

## 光学检测报告

报告编号.....: OPSZ201807013-G01

主检

(印刷体姓名 + 签名).....: 朱明祥

审批

(印刷体姓名 + 签名).....: 赵俊

签发日期.....: 2018-07-11

总页数.....: 102页



检测实验室.....: 苏州欧普照明有限公司实验室

地址.....: 江苏省苏州市吴江区吴江市汾湖经济开发区汾杨路东侧

申请人名称.....: 苏州欧普照明有限公司

地址.....: 江苏省苏州市吴江区吴江市汾湖经济开发区汾杨路东侧

### 检测规范:

标准.....: ☒ GB/T 9468-2008 ☐ 依据客户委托要求  
☒ IES-LM-79-08

检验结果.....: 数据见检测结果汇总

### 可能的检测结论:

- 被试品符合测试要求: .....: P (符合 Pass)  
- 被试品不符合测试要求.....: F (不符合 Fail)  
- 测试条款不适用于被试品.....: N/A (不适合 Not applicable)  
- 被试品未被检测.....: N/T (未被检测 Not tested)

### 一般说明:

本报告所提及的检测结果仅对被测样品负责。  
本报告中样品信息来源于客户,实验室不负责其真实性。  
未经签发实验室书面同意,不得复制本报告的任何部分。  
测试结果已经包括了测试设备和测试方法方面的不确定度考虑。

样品名称	固定式灯具	规格型号	见样品说明
项目名称	18 年商用 LED 天棚灯 - 鹏皓	研发项目编号	2180310003
委托部门	平台管理室	制造商	苏州欧普照明有限公司
委托人/联系人	吴宝金	联系电话	5248
产品商标	/	样品数量	5 只
送样日期	2018-07-04	检测类别	委托测试
验讫日期	2018-07-10	环境温度	25±1℃

#### 使用设备

<input type="checkbox"/> YF1000 光色电综合分析系统	编号SH011110002	有效期 2019-3-13
<input type="checkbox"/> YF1000 光色电综合分析系统	编号SH011110004	有效期 2018-7-31
<input checked="" type="checkbox"/> YF1000 光色电综合分析系统	编号SH011110008	有效期 2019-3-13
<input checked="" type="checkbox"/> GMS-2000 立式分布式光度计	编号SH011120002	有效期 2018-7-24
<input type="checkbox"/> G0-V 1920 卧式分布式光度计	编号SH011120005	有效期 2018-7-24
<input type="checkbox"/> 手持式照度计	编号SH014110002	
<input type="checkbox"/> LFA-3000		

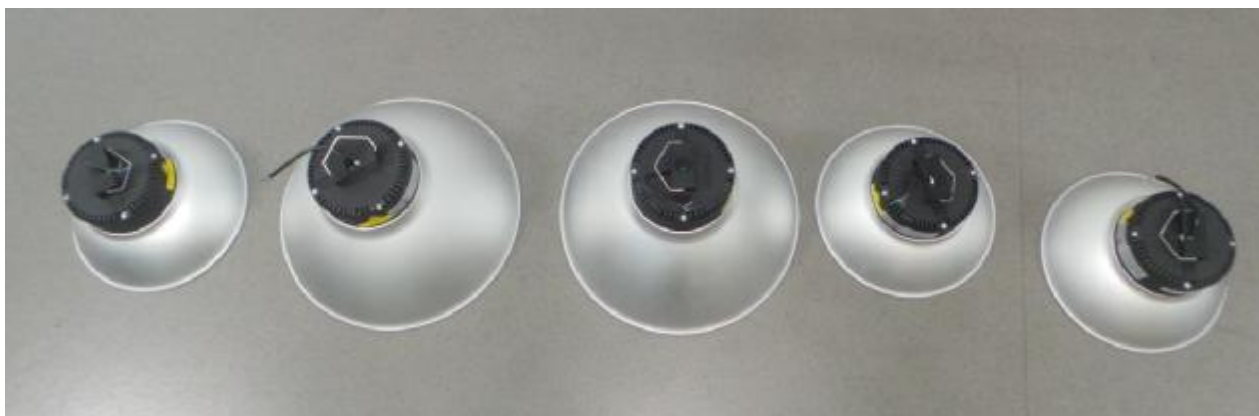
#### 检测项目

<input checked="" type="checkbox"/> 光色电	<input type="checkbox"/> 自吸收系数	<input checked="" type="checkbox"/> 配光曲线	<input type="checkbox"/> 光源启动上升时间
<input type="checkbox"/> 频闪			

#### 样品说明

样品编号	样品描述	备注
01001	35W	
02001	50W 大罩	
03001	70W 大罩	
04011	70W	
05010	50W	

样品图片





报告编号: OPSZ201807013-G01

## 检测结果汇总

样品 编 号	电参数				光参数			色品参数					配光参数				光度修正	
	I (A)	U (V)	P (W)	PF	$\Phi$ (lm)	$\Phi_e$ (m W)	光效 (lm/ W)	x	y	CCT (K)	Ra	SDCM	中心光 强 (cd)	最大光 强 (cd)	光束角°		自吸收 系数	修正光 通量
															0°- 180°	90°- 270°		
01001	0.164	220.0	35.7	0.989	3559.0	/	99.6	0.3273	0.3393	5732	84.5	/	2309.1	2310.0	75.0	75.9	/	/
02001	0.239	220.0	51.9	0.988	4728.6	/	91.2	0.3271	0.3396	5741	84.6	/	4072.7	4078.4	63.9	64.1	/	/
03001	0.324	220.0	70.3	0.988	7531.2	/	107.1	0.3274	0.3386	5727	84.8	/	6978.8	6991.6	59.8	59.9	/	/
04011	0.320	220.0	69.4	0.987	7449.1	/	107.4	/	/	/	/	/	4656.8	4662.5	80.2	80.4	/	/
05010	0.236	220.1	51.3	0.987	4904.7	/	95.6	/	/	/	/	/	3076.0	3080.3	79.1	78.8	/	/
备注: 附件		<input checked="" type="checkbox"/> 光源光谱测试数据 <input checked="" type="checkbox"/> 分布光度数据 <input type="checkbox"/> 光通维持率 <input type="checkbox"/> 光源启动上升时间数据																

\*\*\*\*\* 报告结束 \*\*\*\*\*

## 光源光谱测试报告

样品名称 :  
样品型号 : 35W  
样品编号 : OPSZ201807013-01001  
制造厂商 :  
备注 : 0h

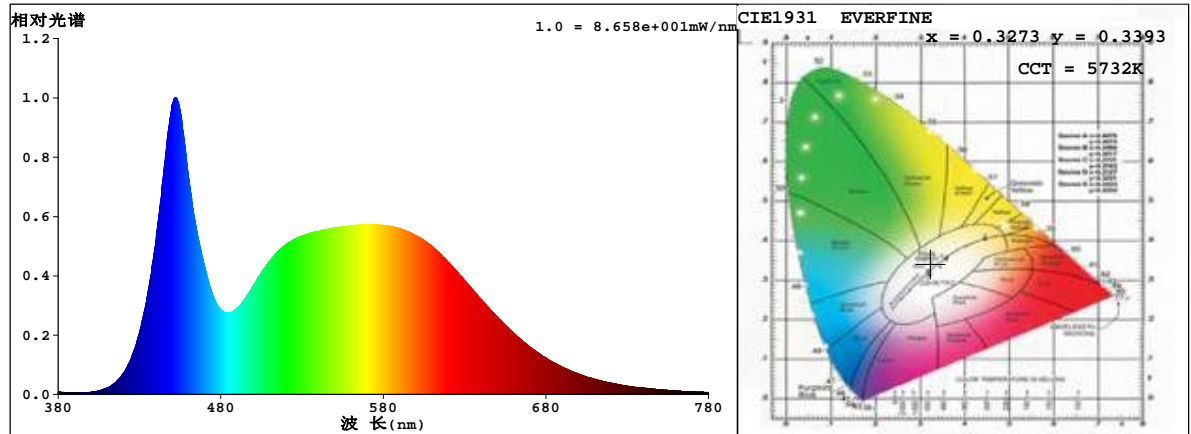
测试日期 : 2018-07-03 14:26:35  
样品状态 :  
测试仪器 : HaasSuite(EVERFINE)  
测试人员 : JJY

### 测试条件

环境温度 : 25.3Deg  
测试范围 : 380nm-780nm  
测量模式 : 快速测试

环境湿度 : 65.0%  
峰值IP : 53292 (81%)  
积分时间 : 87 ms  
灵敏度 : 高

### 光谱参数



光谱分布

CIE1931色品图

### CIE颜色参数

色品坐标:  $x = 0.3273$   $y = 0.3393$  /  $u' = 0.2040$   $v' = 0.4759$  ( $duv=1.43e-03$ )

相关色温:CCT=5732K 主波长: $\lambda_d=505.3nm$  色纯度:Purity=1.8%

峰值波长: $\lambda_p=452nm$  半峰带宽:FWHM=27.6nm 色比:R=14.7% G=80.1% B=5.1%

显色指数:  $R_a = 84.5$

R1 =83 R2 =89 R3 =91 R4 =85 R5 =84 R6 =84 R7 =89  
R8 =72 R9 =17 R10=72 R11=84 R12=63 R13=85 R14=95 R15=79

### 光度&辐射度参数

### 电参数

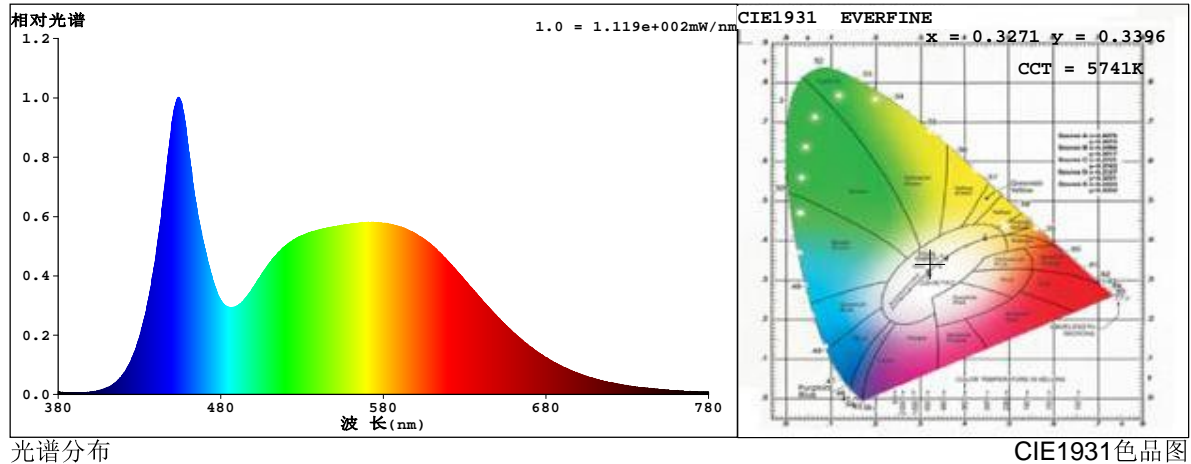
## 光源光谱测试报告

样品名称	:	测试日期	: 2018-07-03 14:45:34
样品型号	: 50W-大罩	样品状态	:
样品编号	: OPSZ201807013-02001	测试仪器	: HaasSuite(EVERFINE)
制造厂商	:	测试人员	: JJY
备注	: 0h		

### 测试条件

环境温度	: 25.3Deg	环境湿度	: 65.0%
测试范围	: 380nm-780nm	峰值IP	: 56278 (86%)
测量模式	: 快速测试	积分时间	: 69 ms
		灵敏度	: 高

### 光谱参数



### CIE颜色参数

色品坐标:  $x = 0.3271$   $y = 0.3396$  /  $u' = 0.2038$   $v' = 0.4760$  ( $duv=1.64e-03$ )  
相关色温: CCT=5741K 主波长:  $\lambda_d=505.4nm$  色纯度: Purity=1.9%  
峰值波长:  $\lambda_p=454nm$  半峰带宽: FWHM=28.8nm 色比: R=14.7% G=80.0% B=5.3%

显色指数: Ra = 84.6

R1 =83	R2 =90	R3 =92	R4 =84	R5 =84	R6 =85	R7 =88	
R8 =71	R9 =16	R10=74	R11=82	R12=63	R13=85	R14=96	R15=79

### 光度&辐射度参数

### 电参数

## 光源光谱测试报告

样品名称 :  
样品型号 : 70W-大罩  
样品编号 : OPSZ201807013-03001  
制造厂商 :  
备注 : 0h

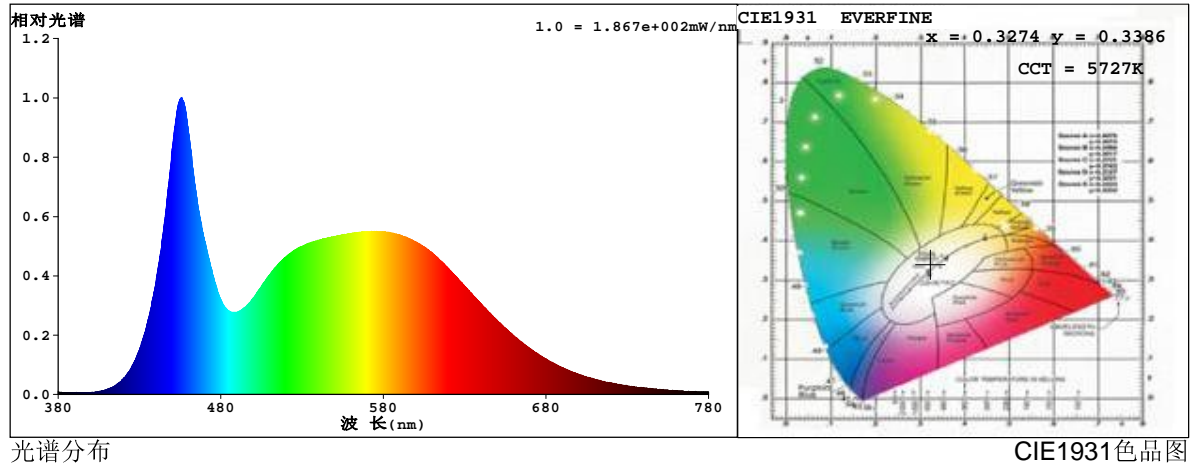
测试日期 : 2018-07-03 15:16:28  
样品状态 :  
测试仪器 : HaasSuite(EVERFINE)  
测试人员 : JJY

### 测试条件

环境温度 : 25.3Deg  
测试范围 : 380nm-780nm  
测量模式 : 快速测试

环境湿度 : 65.0%  
峰值IP : 48798 (74%)  
积分时间 : 35 ms  
灵敏度 : 高

### 光谱参数



光谱分布

CIE1931色品图

### CIE颜色参数

色品坐标:  $x = 0.3274$   $y = 0.3386$  /  $u' = 0.2044$   $v' = 0.4755$  ( $duv=1.02e-03$ )

相关色温:  $CCT=5727K$  主波长:  $\lambda_d=503.7nm$  色纯度:  $Purity=1.8\%$

峰值波长:  $\lambda_p=456nm$  半峰带宽:  $FWHM=27.3nm$  色比:  $R=14.8\%$   $G=79.7\%$   $B=5.5\%$

显色指数:  $Ra = 84.8$

$R1 = 84$   $R2 = 91$   $R3 = 93$   $R4 = 83$   $R5 = 84$   $R6 = 86$   $R7 = 88$   
 $R8 = 71$   $R9 = 18$   $R10 = 76$   $R11 = 81$   $R12 = 61$   $R13 = 86$   $R14 = 96$   $R15 = 80$

### 光度&辐射度参数

### 电参数

灯具名称: 35W

灯具描述:

报告编号:

测试编号: OPSZ201807013-01001

光源规格型号:

每个光源光通量(lm): -1.0

光源数量: 1

发光面长度(ft.): 0.000

测试模式: C

电压(V): 219.9900

电流(A): 0.1640

功率(W): 35.7400

功率因数: 0.9894

镇流器型号:

发光面宽度(ft.): 0.000

发光面高度(ft.): 0.000

## 光度结果

灯具光通量(lm): 3559.03

灯具效率(%): 0.00%

灯具效能(lm/w): 99.59

中心光强(cd): 2309.116

最大光强(cd): 2309.973

最大光强角度: C=150.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=75.0

[C90/270]Total=75.9

光束扩散角(10%Imax): [C0/180]Total=119.1

[C90/270]Total=118.8

最大允许距高比(1/2): C0\_180=0.97 C90\_270=0.97

最大允许距高比(1/4): C0\_180=1.09 C90\_270=1.09

上射光通比(%): 0.00%

下射光通比(%): 0.00%

上射光通比(占灯具): 0.45%

下射光通比(占灯具): 99.56%

CIE Type: 直接型

$\pi$ 立体角内输出光通量比: 97.372%





35W

环带光通分布数据表

附页 第 2 页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
0.0	2309.069	0.552	0.552	.000%	.016%
1.0	2307.760	4.417	4.969	.000%	.140%
2.0	2302.845	8.813	13.782	.000%	.387%
3.0	2296.467	13.180	26.962	.000%	.758%
4.0	2286.185	17.488	44.451	.000%	1.249%
5.0	2271.916	21.714	66.165	.000%	1.859%
6.0	2258.231	25.885	92.05	.000%	2.586%
7.0	2239.441	29.929	121.979	.000%	3.427%
8.0	2217.759	33.847	155.826	.000%	4.378%
9.0	2196.017	37.672	193.498	.000%	5.437%
10.0	2169.253	41.308	234.806	.000%	6.597%
11.0	2140.931	44.797	279.603	.000%	7.856%
12.0	2114.572	48.212	327.815	.000%	9.211%
13.0	2082.870	51.381	379.196	.000%	10.654%
14.0	2047.883	54.329	433.525	.000%	12.181%
15.0	2016.240	57.226	490.75	.000%	13.789%
16.0	1981.028	59.880	550.63	.000%	15.471%
17.0	1939.996	62.200	612.83	.000%	17.219%
18.0	1905.402	64.568	677.398	.000%	19.033%
19.0	1869.166	66.733	744.131	.000%	20.908%
20.0	1825.742	68.477	812.608	.000%	22.832%
21.0	1787.471	70.246	882.854	.000%	24.806%
22.0	1750.699	71.918	954.772	.000%	26.827%
23.0	1703.610	72.996	1027.768	.000%	28.878%
24.0	1668.124	74.403	1102.172	.000%	30.968%
25.0	1629.139	75.502	1177.673	.000%	33.090%
26.0	1587.880	76.333	1254.006	.000%	35.234%
27.0	1547.539	77.044	1331.051	.000%	37.399%
28.0	1508.399	77.656	1408.707	.000%	39.581%
29.0	1470.735	78.191	1486.898	.000%	41.778%
30.0	1430.893	78.456	1565.355	.000%	43.983%
31.0	1391.646	78.600	1643.954	.000%	46.191%
32.0	1357.112	78.864	1722.818	.000%	48.407%
33.0	1319.816	78.827	1801.645	.000%	50.622%
34.0	1281.998	78.614	1880.259	.000%	52.831%
35.0	1247.237	78.450	1958.708	.000%	55.035%
36.0	1214.024	78.252	2036.961	.000%	57.234%
37.0	1179.537	77.844	2114.805	.000%	59.421%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

35W

环带光通分布数据表

附页 第 3 页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
38.0	1148.929	77.569	2192.374	.000%	61.600%
39.0	1120.119	77.301	2269.675	.000%	63.772%
40.0	1089.071	76.767	2346.442	.000%	65.929%
41.0	1059.595	76.231	2422.674	.000%	68.071%
42.0	1033.069	75.804	2498.478	.000%	70.201%
43.0	1001.855	74.927	2573.405	.000%	72.306%
44.0	973.758	74.178	2647.583	.000%	74.391%
45.0	947.673	73.484	2721.067	.000%	76.455%
46.0	917.637	72.386	2793.454	.000%	78.489%
47.0	886.018	71.059	2864.513	.000%	80.486%
48.0	859.647	70.056	2934.569	.000%	82.454%
49.0	816.747	67.596	3002.165	.000%	84.353%
50.0	770.039	64.687	3066.852	.000%	86.171%
51.0	721.783	61.512	3128.364	.000%	87.899%
52.0	654.583	56.565	3184.929	.000%	89.489%
53.0	592.428	51.884	3236.814	.000%	90.946%
54.0	532.820	47.270	3284.084	.000%	92.275%
55.0	464.025	41.683	3325.767	.000%	93.446%
56.0	406.321	36.940	3362.707	.000%	94.484%
57.0	352.163	32.388	3395.095	.000%	95.394%
58.0	298.552	27.765	3422.86	.000%	96.174%
59.0	251.166	23.609	3446.469	.000%	96.837%
60.0	205.231	19.491	3465.959	.000%	97.385%
61.0	162.069	15.544	3481.504	.000%	97.822%
62.0	125.726	12.173	3493.677	.000%	98.164%
63.0	92.465	9.035	3502.712	.000%	98.418%
64.0	65.725	6.478	3509.19	.000%	98.600%
65.0	47.863	4.757	3513.947	.000%	98.733%
66.0	34.415	3.448	3517.394	.000%	98.830%
67.0	27.585	2.784	3520.179	.000%	98.908%
68.0	24.276	2.468	3522.647	.000%	98.978%
69.0	21.194	2.170	3524.817	.000%	99.039%
70.0	19.588	2.018	3526.835	.000%	99.095%
71.0	17.815	1.847	3528.682	.000%	99.147%
72.0	16.101	1.679	3530.362	.000%	99.194%
73.0	14.982	1.571	3531.933	.000%	99.239%
74.0	13.519	1.425	3533.358	.000%	99.279%
75.0	12.305	1.303	3534.661	.000%	99.315%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

35W

环带光通分布数据表

附页 第 4页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
76.0	11.269	1.199	3535.86	.000%	99.349%
77.0	10.258	1.096	3536.957	.000%	99.380%
78.0	9.246	0.992	3537.948	.000%	99.408%
79.0	8.116	0.874	3538.822	.000%	99.432%
80.0	7.521	0.812	3539.634	.000%	99.455%
81.0	6.819	0.739	3540.373	.000%	99.476%
82.0	5.724	0.622	3540.994	.000%	99.493%
83.0	5.177	0.563	3541.558	.000%	99.509%
84.0	4.558	0.497	3542.055	.000%	99.523%
85.0	3.879	0.424	3542.479	.000%	99.535%
86.0	2.904	0.318	3542.796	.000%	99.544%
87.0	2.237	0.245	3543.041	.000%	99.551%
88.0	1.714	0.188	3543.229	.000%	99.556%
89.0	0.738	0.081	3543.31	.000%	99.558%
90.0	0.369	0.040	3543.35	.000%	99.559%
91.0	0.607	0.067	3543.417	.000%	99.561%
92.0	0.536	0.059	3543.476	.000%	99.563%
93.0	0.595	0.065	3543.541	.000%	99.565%
94.0	0.524	0.057	3543.598	.000%	99.566%
95.0	0.655	0.072	3543.67	.000%	99.568%
96.0	0.405	0.044	3543.714	.000%	99.570%
97.0	0.571	0.062	3543.776	.000%	99.571%
98.0	0.547	0.059	3543.835	.000%	99.573%
99.0	0.607	0.066	3543.901	.000%	99.575%
100.0	0.643	0.069	3543.971	.000%	99.577%
101.0	0.524	0.056	3544.027	.000%	99.578%
102.0	0.976	0.105	3544.132	.000%	99.581%
103.0	0.809	0.086	3544.218	.000%	99.584%
104.0	0.476	0.051	3544.269	.000%	99.585%
105.0	0.857	0.091	3544.359	.000%	99.588%
106.0	1.012	0.107	3544.466	.000%	99.591%
107.0	0.750	0.079	3544.545	.000%	99.593%
108.0	0.916	0.096	3544.64	.000%	99.596%
109.0	0.762	0.079	3544.719	.000%	99.598%
110.0	0.916	0.094	3544.814	.000%	99.601%
111.0	0.964	0.099	3544.912	.000%	99.603%
112.0	0.821	0.083	3544.996	.000%	99.606%
113.0	1.131	0.114	3545.11	.000%	99.609%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

35W

环带光通分布数据表

附页 第 5 页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
114.0	0.845	0.085	3545.195	.000%	99.611%
115.0	0.869	0.086	3545.281	.000%	99.614%
116.0	1.095	0.108	3545.389	.000%	99.617%
117.0	0.893	0.087	3545.476	.000%	99.619%
118.0	1.226	0.119	3545.595	.000%	99.622%
119.0	0.916	0.088	3545.683	.000%	99.625%
120.0	0.916	0.087	3545.77	.000%	99.627%
121.0	1.297	0.122	3545.892	.000%	99.631%
122.0	0.988	0.092	3545.983	.000%	99.633%
123.0	0.809	0.074	3546.058	.000%	99.635%
124.0	1.178	0.107	3546.165	.000%	99.639%
125.0	1.154	0.104	3546.269	.000%	99.641%
126.0	1.190	0.106	3546.374	.000%	99.644%
127.0	1.333	0.117	3546.491	.000%	99.648%
128.0	1.452	0.125	3546.616	.000%	99.651%
129.0	1.630	0.139	3546.755	.000%	99.655%
130.0	1.476	0.124	3546.879	.000%	99.659%
131.0	1.726	0.143	3547.022	.000%	99.663%
132.0	2.202	0.179	3547.201	.000%	99.668%
133.0	1.880	0.151	3547.352	.000%	99.672%
134.0	2.178	0.172	3547.524	.000%	99.677%
135.0	2.582	0.200	3547.724	.000%	99.682%
136.0	2.511	0.191	3547.916	.000%	99.688%
137.0	2.701	0.202	3548.118	.000%	99.693%
138.0	2.916	0.214	3548.332	.000%	99.699%
139.0	3.213	0.231	3548.563	.000%	99.706%
140.0	3.380	0.238	3548.801	.000%	99.713%
141.0	3.273	0.226	3549.027	.000%	99.719%
142.0	3.784	0.255	3549.282	.000%	99.726%
143.0	4.117	0.272	3549.554	.000%	99.734%
144.0	4.010	0.258	3549.813	.000%	99.741%
145.0	4.260	0.268	3550.08	.000%	99.749%
146.0	4.534	0.278	3550.359	.000%	99.756%
147.0	4.879	0.291	3550.65	.000%	99.765%
148.0	4.950	0.288	3550.938	.000%	99.773%
149.0	5.022	0.284	3551.221	.000%	99.781%
150.0	5.641	0.309	3551.531	.000%	99.789%
151.0	5.903	0.314	3551.844	.000%	99.798%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

35W

环带光通分布数据表

附页 第 6页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
152.0	6.152	0.317	3552.161	.000%	99.807%
153.0	6.855	0.341	3552.502	.000%	99.817%
154.0	7.461	0.359	3552.861	.000%	99.827%
155.0	8.080	0.374	3553.235	.000%	99.837%
156.0	8.532	0.381	3553.616	.000%	99.848%
157.0	8.925	0.382	3553.998	.000%	99.859%
158.0	9.449	0.388	3554.387	.000%	99.870%
159.0	9.484	0.373	3554.759	.000%	99.880%
160.0	9.830	0.369	3555.128	.000%	99.890%
161.0	9.699	0.346	3555.474	.000%	99.900%
162.0	9.877	0.335	3555.809	.000%	99.909%
163.0	10.270	0.329	3556.138	.000%	99.919%
164.0	10.127	0.306	3556.444	.000%	99.927%
165.0	10.389	0.295	3556.739	.000%	99.936%
166.0	10.698	0.284	3557.023	.000%	99.944%
167.0	11.020	0.272	3557.295	.000%	99.951%
168.0	11.281	0.257	3557.552	.000%	99.958%
169.0	11.496	0.241	3557.793	.000%	99.965%
170.0	11.650	0.222	3558.014	.000%	99.971%
171.0	11.793	0.202	3558.217	.000%	99.977%
172.0	11.757	0.179	3558.396	.000%	99.982%
173.0	11.591	0.155	3558.551	.000%	99.987%
174.0	11.627	0.133	3558.684	.000%	99.990%
175.0	11.829	0.113	3558.797	.000%	99.993%
176.0	11.734	0.090	3558.887	.000%	99.996%
177.0	12.126	0.070	3558.957	.000%	99.998%
178.0	12.329	0.047	3559.004	.000%	99.999%
179.0	12.352	0.024	3559.028	.000%	100.000%
180.0	12.662	0.003	3559.031	.000%	100.000%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

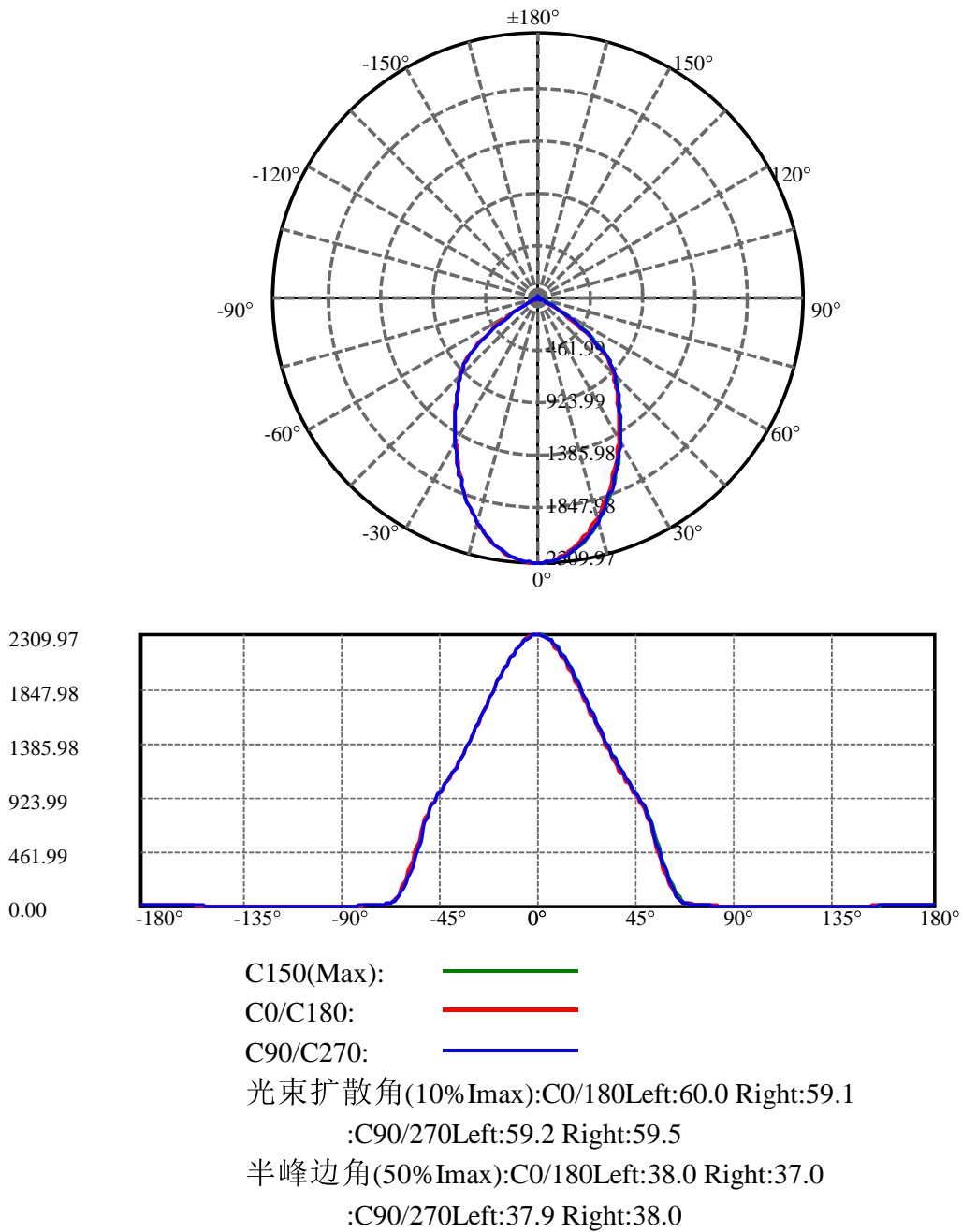
测试人员: Evan  
测试距离(m): 11.95

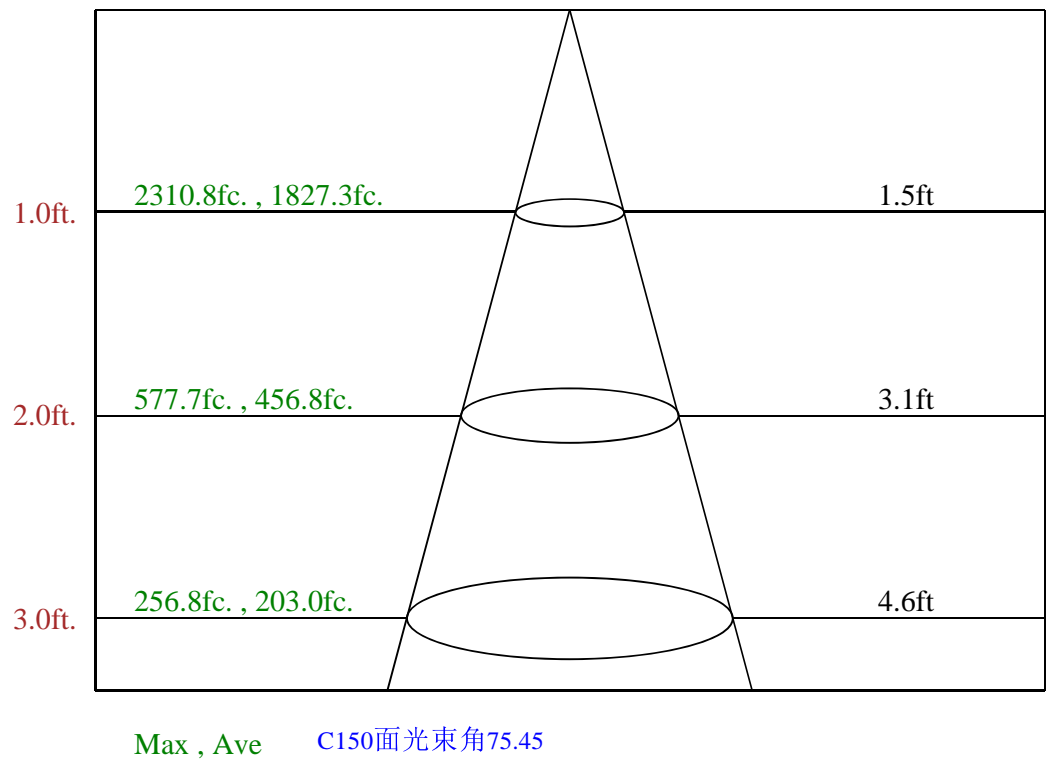
## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1565.35	N.A.	43.98%
0-40	2346.44	N.A.	65.93%
0-60	3465.96	N.A.	97.38%
0-90	3543.35	N.A.	99.56%
0-120	3545.77	N.A.	99.63%
0-180	3559.03	N.A.	100.00%
60-90	96.88	N.A.	2.72%
90-120	2.46	N.A.	0.07%
90-130	3.57	N.A.	0.10%
90-150	8.22	N.A.	0.23%
90-180	15.72	N.A.	0.44%
0-46.76	2847.23	N.A.	80.00%

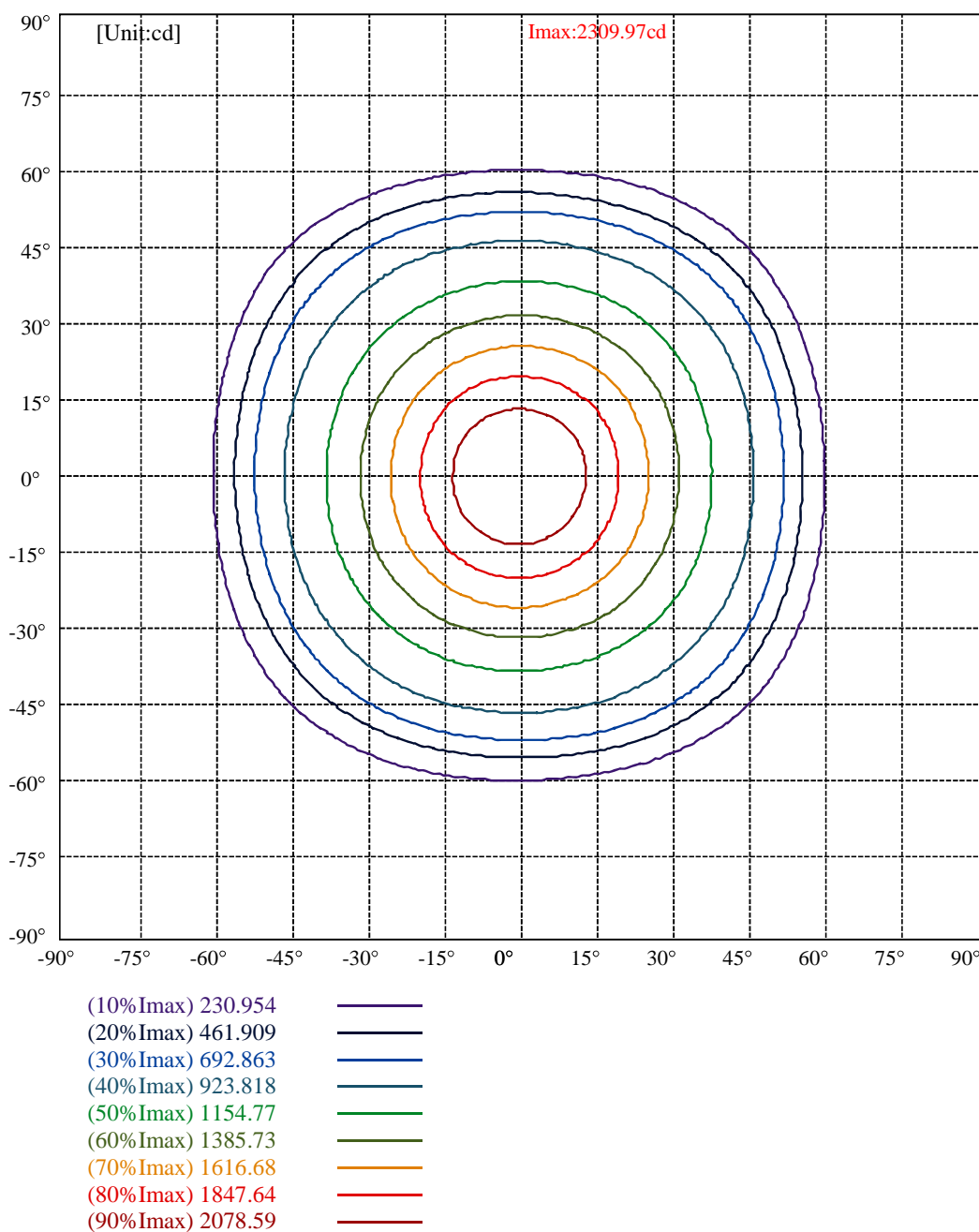
## ZONAL LUMEN SUMMARY

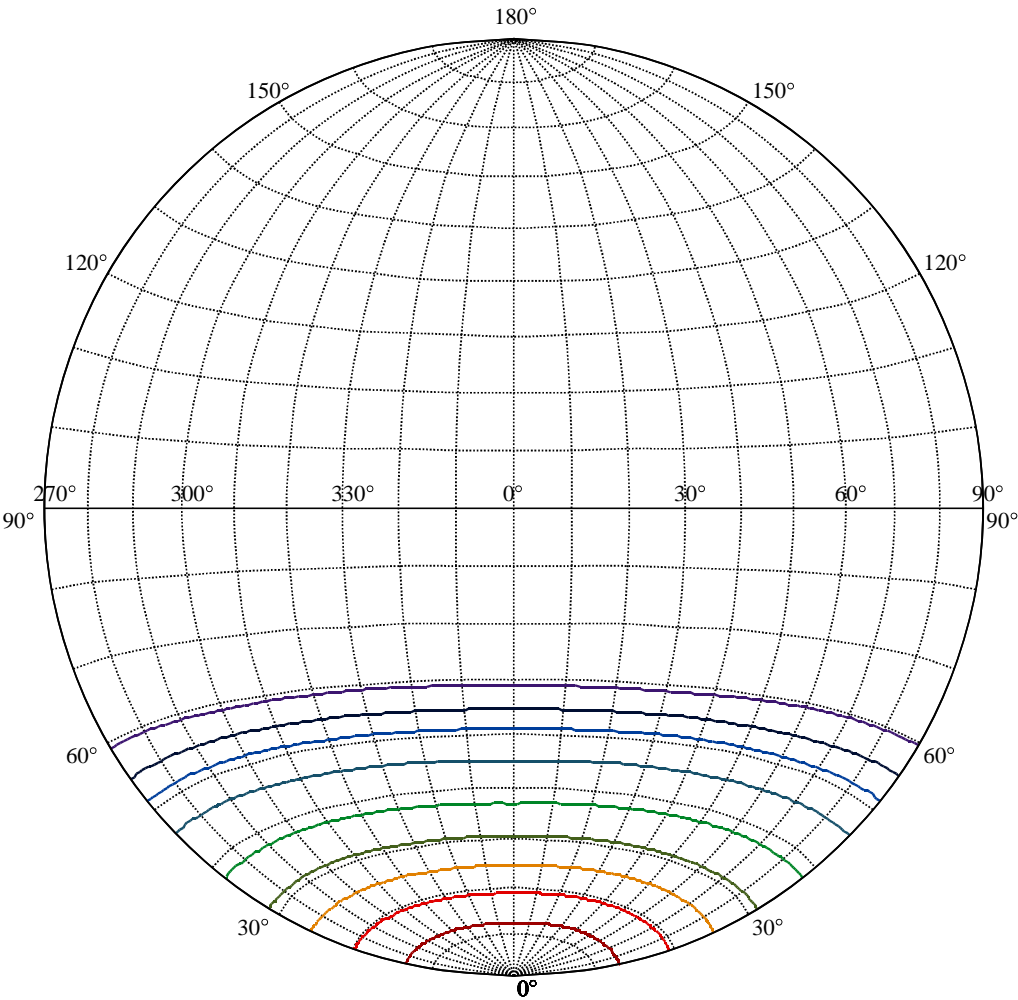
0-10	234.81
10-20	577.80
20-30	752.75
30-40	781.09
40-50	720.41
50-60	399.11
60-70	60.88
70-80	12.80
80-90	3.72
90-100	0.62
100-110	0.84
110-120	0.96
120-130	1.11
130-140	1.92
140-150	2.73
150-160	3.60
160-170	2.89
170-180	1.01









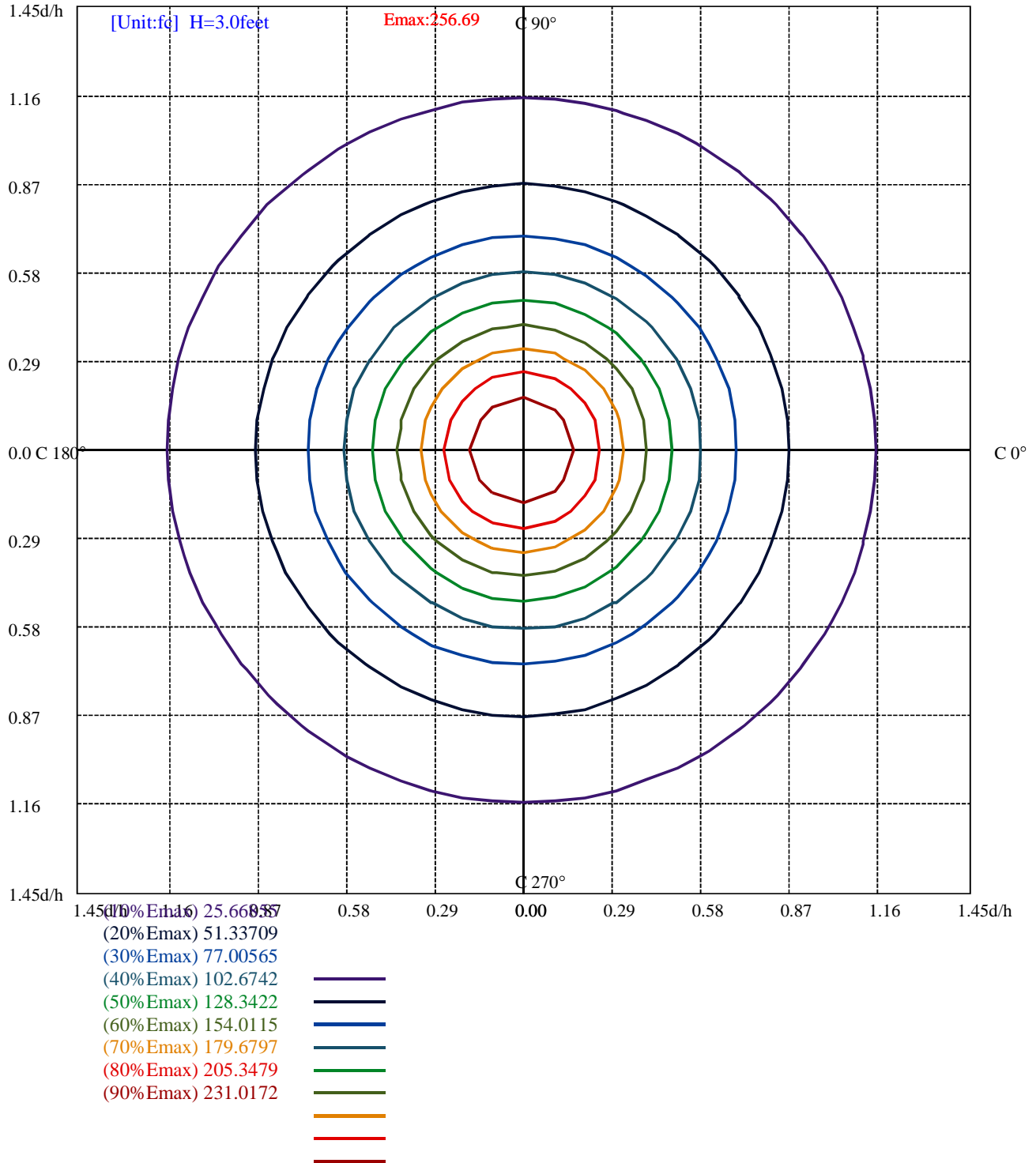


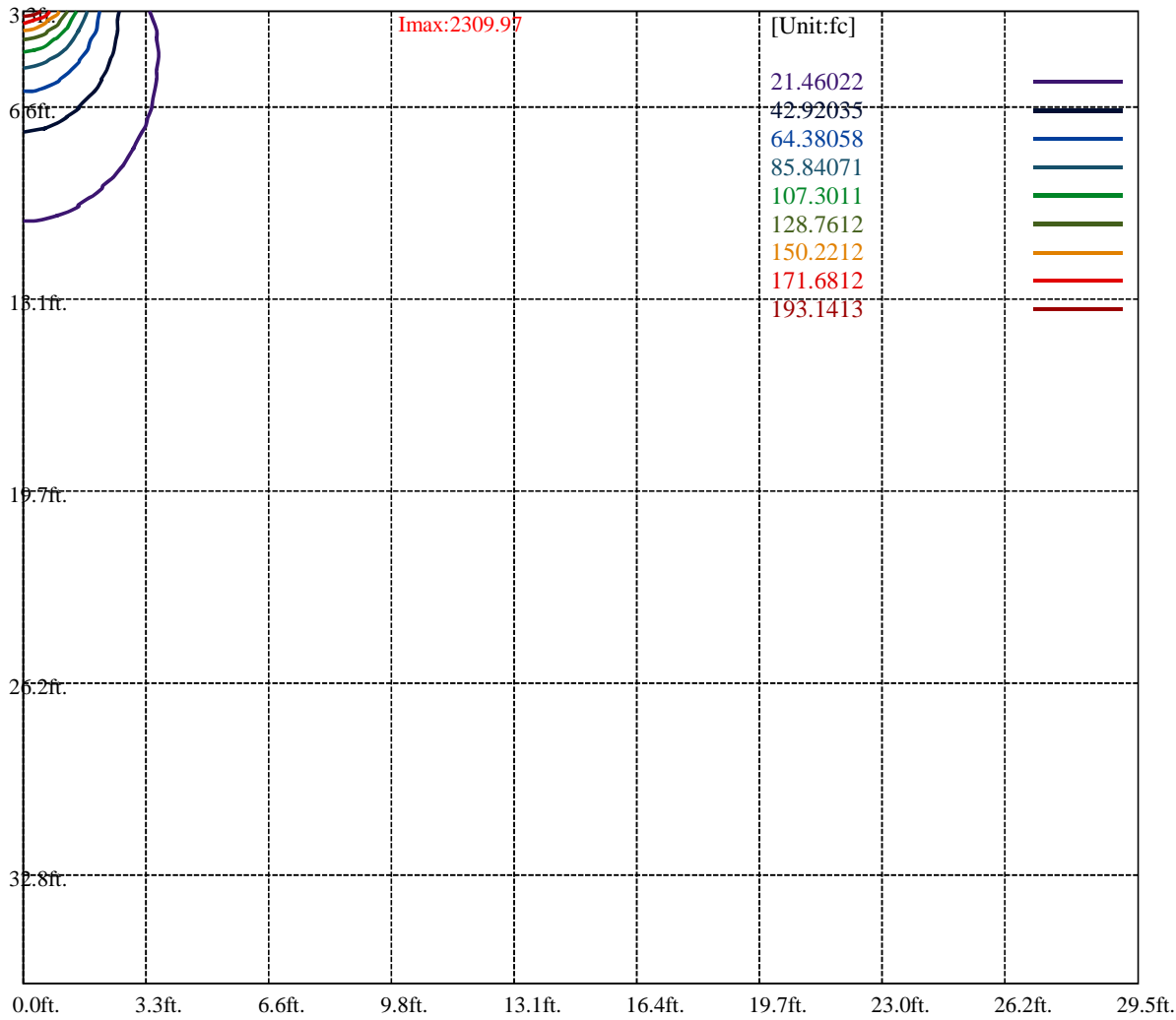
屋边

[单位: cd]

路边

Imax:2309.97	
(10%Imax)	230.997
(20%Imax)	461.995
(30%Imax)	692.992
(40%Imax)	923.989
(50%Imax)	1154.99
(60%Imax)	1385.98
(70%Imax)	1616.98
(80%Imax)	1847.98
(90%Imax)	2078.98





35W

光强数据表(cd)

附页 第 14页 共19页

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	2309.12	2308.83	2300.12	2294.41	2282.98	2263.56	2251.14	2230.58	2200.44
30.0	2309.69	2305.69	2299.55	2292.69	2277.99	2262.42	2249.14	2223.72	2207.30
60.0	2308.97	2304.83	2300.41	2291.41	2283.55	2265.99	2249.00	2235.29	2208.87
90.0	2307.26	2305.83	2298.98	2295.12	2284.55	2272.56	2261.42	2238.00	2217.44
120.0	2308.97	2306.97	2302.69	2297.84	2285.41	2273.27	2261.42	2243.86	2219.29
150.0	2309.97	2309.12	2303.12	2298.69	2289.70	2273.70	2262.99	2245.14	2230.86
180.0	2309.97	2309.54	2306.55	2301.41	2291.98	2280.27	2268.85	2248.28	2228.43
210.0	2309.69	2309.97	2306.97	2298.26	2291.41	2280.56	2260.99	2253.14	2229.15
240.0	2308.97	2308.40	2306.55	2299.41	2289.84	2280.41	2262.99	2245.71	2229.86
270.0	2307.26	2307.26	2303.26	2296.12	2288.27	2272.27	2260.14	2243.28	2217.58
300.0	2308.97	2308.12	2302.98	2297.69	2283.41	2270.13	2259.99	2236.29	2215.58
330.0	2309.97	2308.55	2302.98	2294.55	2285.13	2267.85	2250.71	2230.00	2208.30
360.0	2309.12	2308.83	2300.12	2294.41	2282.98	2263.56	2251.14	2230.58	2200.44
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2182.31	2154.03	2116.33	2093.34	2060.21	2017.23	1990.38	1954.25	1908.27
30.0	2183.59	2151.03	2130.90	2100.62	2076.35	2036.22	2002.52	1966.53	1928.98
60.0	2185.31	2166.89	2132.61	2101.77	2077.21	2036.22	2010.23	1975.24	1929.83
90.0	2200.87	2170.03	2141.75	2120.76	2079.92	2045.79	2020.80	1974.67	1937.54
120.0	2202.16	2177.45	2142.89	2120.05	2088.06	2064.35	2019.94	1983.53	1956.54
150.0	2208.58	2176.88	2156.03	2118.33	2095.34	2061.93	2016.51	1989.52	1951.82
180.0	2197.59	2179.02	2151.46	2129.76	2089.63	2056.36	2030.08	1993.81	1947.11
210.0	2200.16	2181.88	2155.03	2126.47	2104.05	2064.21	2030.08	2003.95	1957.97
240.0	2202.44	2177.45	2157.32	2122.62	2092.91	2068.07	2026.80	1999.66	1963.53
270.0	2200.44	2175.88	2143.47	2121.62	2091.77	2051.36	2026.94	1991.81	1944.54
300.0	2199.30	2165.46	2137.18	2115.62	2075.78	2042.08	2016.23	1980.67	1933.12
330.0	2189.45	2155.03	2126.19	2103.91	2063.21	2030.79	2004.38	1958.68	1920.69
360.0	2182.31	2154.03	2116.33	2093.34	2060.21	2017.23	1990.38	1954.25	1908.27
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1878.42	1839.72	1800.74	1759.76	1720.91	1672.50	1641.66	1602.24	1562.40
30.0	1890.13	1860.57	1812.73	1772.89	1742.62	1692.64	1652.08	1621.24	1571.26
60.0	1901.27	1862.43	1813.59	1783.32	1742.90	1693.35	1662.65	1622.95	1593.39
90.0	1909.70	1861.29	1821.73	1791.60	1751.19	1701.06	1670.93	1629.95	1580.54
120.0	1907.27	1868.00	1838.87	1788.46	1747.47	1717.34	1665.65	1625.24	1595.39
150.0	1903.70	1875.43	1835.30	1784.46	1754.47	1714.20	1672.22	1631.38	1600.67
180.0	1919.12	1879.42	1829.44	1800.74	1760.75	1708.92	1678.93	1638.23	1586.54
210.0	1920.12	1891.28	1841.30	1800.74	1770.32	1717.77	1676.64	1645.94	1594.10
240.0	1918.69	1889.85	1850.58	1801.60	1771.61	1731.34	1680.21	1648.94	1608.38
270.0	1918.12	1880.85	1841.15	1801.88	1762.18	1711.35	1692.21	1640.94	1600.24
300.0	1905.13	1866.86	1818.45	1789.03	1749.19	1699.49	1670.08	1629.23	1578.97
330.0	1893.13	1854.29	1805.02	1775.18	1734.76	1683.36	1654.22	1613.38	1582.68
360.0	1878.42	1839.72	1800.74	1759.76	1720.91	1672.50	1641.66	1602.24	1562.40
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1532.70	1482.72	1443.45	1414.17	1366.33	1328.78	1300.50	1256.38	1220.82
30.0	1530.41	1500.28	1451.59	1422.74	1384.47	1338.35	1310.78	1274.51	1230.53
60.0	1543.41	1503.28	1473.86	1425.31	1387.33	1359.19	1312.64	1277.08	1250.38
90.0	1550.41	1510.71	1481.43	1432.31	1394.47	1366.48	1319.78	1283.65	1257.38
120.0	1543.27	1503.42	1474.72	1425.88	1388.04	1360.91	1314.07	1278.23	1251.24
150.0	1551.12	1510.85	1481.72	1432.02	1393.75	1365.76	1318.50	1291.36	1255.66
180.0	1556.69	1516.71	1466.72	1448.87	1400.04	1362.91	1335.35	1289.79	1254.52
210.0	1553.41	1523.56	1483.58	1433.17	1404.61	1366.33	1337.20	1291.93	1256.38
240.0	1557.55	1527.56	1487.86	1437.59	1408.75	1370.05	1331.92	1303.64	1258.09
270.0	1569.83	1519.42	1479.01	1450.44	1400.61	1362.05	1335.20	1287.65	1251.38
300.0	1549.41	1509.71	1461.58	1432.31	1394.18	1356.77	1319.78	1283.22	1239.38
330.0	1532.27	1492.57	1463.30	1415.89	1377.19	1347.77	1302.07	1266.52	1241.10
360.0	1532.70	1482.72	1443.45	1414.17	1366.33	1328.78	1300.50	1256.38	1220.82

35W

光强数据表(cd)

附页 第 15页 共19页

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1194.83	1154.84	1130.85	1100.44	1064.88	1042.17	1013.75	979.34	957.63
30.0	1204.97	1171.84	1140.85	1117.00	1081.73	1051.45	1029.03	994.19	965.20
60.0	1207.40	1182.98	1152.27	1114.86	1092.58	1061.59	1025.32	1001.76	972.06
90.0	1213.68	1183.83	1152.84	1128.43	1092.44	1061.74	1038.75	1002.76	973.20
120.0	1216.11	1174.26	1150.13	1120.00	1082.44	1060.31	1031.75	995.76	974.20
150.0	1211.39	1186.40	1153.13	1113.72	1092.15	1062.88	1026.46	1005.47	977.48
180.0	1229.39	1186.26	1154.13	1131.71	1093.01	1063.88	1043.74	1007.19	978.63
210.0	1229.96	1187.83	1156.56	1133.28	1096.72	1068.02	1046.60	1009.90	980.34
240.0	1222.96	1197.40	1157.99	1127.28	1104.86	1068.02	1038.60	1016.33	980.34
270.0	1225.39	1182.83	1151.56	1129.85	1099.72	1062.16	1041.17	1012.47	976.91
300.0	1214.39	1180.98	1144.13	1120.29	1092.15	1057.02	1033.89	1005.62	977.77
330.0	1197.83	1164.98	1142.71	1104.58	1076.16	1055.88	1027.75	991.48	971.34
360.0	1194.83	1154.84	1130.85	1100.44	1064.88	1042.17	1013.75	979.34	957.63
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	928.93	894.37	870.81	838.96	789.70	752.43	696.02	616.91	567.50
30.0	942.78	907.08	877.09	852.10	806.12	758.00	714.44	651.18	567.93
60.0	935.36	911.94	881.66	857.53	807.26	756.14	713.58	637.18	572.07
90.0	950.64	914.94	884.66	860.24	812.83	762.99	718.87	657.75	581.92
120.0	946.21	923.79	888.80	857.96	814.97	793.27	732.29	672.89	623.90
150.0	943.21	921.93	893.66	857.24	833.25	796.12	735.15	690.02	624.90
180.0	959.20	931.50	894.09	872.52	839.25	786.41	747.29	689.74	644.32
210.0	958.49	921.65	890.94	867.38	819.40	769.28	726.29	649.18	587.35
240.0	958.06	928.79	891.23	866.95	828.40	766.28	723.01	657.18	605.05
270.0	956.06	927.79	888.95	864.24	825.97	762.71	717.73	650.32	563.36
300.0	949.78	920.65	884.09	866.53	818.97	768.99	726.86	650.18	583.78
330.0	943.35	907.22	886.23	854.10	804.83	767.85	709.87	632.47	587.06
360.0	928.93	894.37	870.81	838.96	789.70	752.43	696.02	616.91	567.50
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	500.95	436.12	388.99	319.31	269.04	233.77	182.07	143.94	117.24
30.0	517.09	451.40	374.71	332.30	281.46	225.49	194.35	155.94	113.24
60.0	523.37	445.54	388.42	348.72	285.61	248.90	201.78	147.80	118.53
90.0	536.79	477.53	405.56	363.29	309.17	257.33	208.21	162.94	131.38
120.0	543.08	494.95	434.26	363.72	322.88	271.75	212.49	177.93	136.95
150.0	574.64	495.67	434.98	390.56	321.45	269.33	232.34	187.93	139.09
180.0	564.07	501.67	457.68	386.85	333.59	295.03	231.20	184.07	152.51
210.0	541.79	464.82	407.42	366.43	313.31	248.76	213.35	167.79	116.96
240.0	520.52	455.40	408.27	339.01	289.89	254.62	199.21	157.80	129.24
270.0	512.23	445.12	381.71	324.30	273.61	239.62	197.50	149.66	124.95
300.0	533.51	452.54	391.14	348.15	280.75	231.63	198.21	147.23	112.67
330.0	525.80	447.54	402.70	343.30	301.88	237.77	192.07	161.80	115.96
360.0	500.95	436.12	388.99	319.31	269.04	233.77	182.07	143.94	117.24
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	81.68	58.98	45.41	33.42	28.85	25.56	23.28	21.56	19.71
30.0	90.25	64.83	42.56	33.99	28.56	24.99	22.13	20.71	18.85
60.0	85.68	55.41	42.84	32.13	25.85	22.71	20.14	18.14	16.42
90.0	88.25	61.55	45.70	31.13	25.56	21.99	19.28	17.42	15.42
120.0	93.54	71.97	49.41	30.70	24.28	20.14	16.71	16.85	13.71
150.0	112.39	81.40	50.69	37.27	25.85	19.85	17.85	15.71	13.71
180.0	104.10	73.26	56.12	38.84	26.13	23.42	18.56	16.71	16.42
210.0	92.68	65.69	49.98	33.70	27.85	24.99	21.42	19.56	18.28
240.0	89.11	64.40	50.41	34.70	28.85	26.42	22.85	20.85	19.99
270.0	94.82	62.98	49.27	36.41	28.85	26.42	23.13	21.13	19.71
300.0	90.82	60.12	47.84	36.56	29.27	28.56	25.13	23.13	21.71
330.0	86.25	68.12	44.13	34.13	31.13	26.28	23.85	23.28	19.85
360.0	81.68	58.98	45.41	33.42	28.85	25.56	23.28	21.56	19.71

35W

光强数据表(cd)

附页 第 16页 共19页

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.14	16.85	15.57	14.28	12.71	12.14	11.14	9.00	8.85
30.0	16.85	15.99	14.85	13.14	12.57	11.42	10.57	9.14	8.14
60.0	14.85	13.99	12.28	11.28	11.00	9.57	8.85	7.43	7.57
90.0	14.42	13.14	12.14	11.28	9.57	9.57	8.57	6.57	6.85
120.0	12.42	12.28	10.00	9.00	8.85	7.57	6.71	6.28	5.71
150.0	12.71	11.42	10.28	9.14	8.28	8.00	7.43	6.00	5.43
180.0	14.71	12.14	11.85	10.42	9.42	8.43	7.57	7.57	6.14
210.0	15.99	14.42	14.14	11.57	10.42	10.42	8.43	7.57	7.14
240.0	17.28	16.99	14.14	13.99	12.42	10.28	10.00	8.71	7.71
270.0	17.99	16.57	14.99	13.57	13.14	11.28	10.42	10.00	8.71
300.0	19.56	17.99	16.71	15.14	13.57	13.00	11.00	9.85	9.71
330.0	18.28	17.99	15.28	14.85	13.28	11.42	10.28	9.28	8.28
360.0	18.14	16.85	15.57	14.28	12.71	12.14	11.14	9.00	8.85
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.00	5.57	5.71	4.71	4.57	2.57	1.57	1.86	0.00
30.0	8.00	7.00	5.00	5.14	4.28	2.28	2.43	1.43	0.14
60.0	7.00	5.57	5.57	5.00	4.00	3.57	2.57	2.28	0.71
90.0	6.00	4.28	4.28	3.57	3.86	2.14	1.57	1.00	0.43
120.0	5.28	4.28	4.43	4.14	2.86	2.28	2.86	1.43	1.57
150.0	5.14	4.57	3.86	3.57	3.14	2.14	1.43	1.86	0.43
180.0	5.71	5.85	4.71	4.43	3.14	3.43	3.00	1.71	1.71
210.0	6.14	5.57	4.57	4.57	4.00	2.71	2.71	1.71	1.00
240.0	6.71	6.43	5.43	4.43	4.43	3.14	2.57	1.71	1.14
270.0	8.14	6.85	6.43	5.28	3.28	3.57	2.43	2.14	0.29
300.0	7.57	6.28	6.57	4.43	4.71	3.57	1.43	1.43	0.43
330.0	8.14	6.43	5.57	5.43	4.28	3.43	2.28	2.00	1.00
360.0	8.00	5.57	5.71	4.71	4.57	2.57	1.57	1.86	0.00
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.43	0.00	0.00	1.00	0.14	0.29	0.00
60.0	0.14	1.00	0.00	1.00	0.57	0.00	0.14	0.00	0.00
90.0	0.00	0.00	0.29	0.43	0.00	1.00	1.00	0.43	1.14
120.0	0.71	0.71	1.00	1.00	1.14	1.14	0.57	1.14	1.14
150.0	0.00	0.86	0.14	1.14	0.43	0.43	1.14	0.86	1.00
180.0	1.14	0.86	1.00	0.57	1.00	1.14	0.00	1.00	0.00
210.0	0.71	0.71	0.86	0.00	0.71	0.57	0.14	0.14	0.00
240.0	1.00	1.00	0.71	0.43	0.86	0.00	0.14	0.57	0.00
270.0	0.00	0.71	0.57	0.43	0.00	1.00	1.00	0.43	1.14
300.0	0.71	0.71	1.00	1.00	1.14	1.14	0.14	1.14	1.14
330.0	0.00	0.71	0.43	1.14	0.43	0.43	0.43	0.86	1.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.43	0.00	0.00	0.57	0.00	0.00	0.71	0.14	0.43
30.0	0.71	0.86	0.00	1.29	1.29	0.57	1.57	1.57	1.43
60.0	0.71	0.00	0.14	0.14	0.43	0.71	0.00	1.14	1.29
90.0	1.29	0.86	1.00	1.29	1.43	0.57	0.57	1.43	1.14
120.0	1.14	0.86	0.71	1.43	0.29	0.29	1.29	0.29	0.14
150.0	0.14	1.29	1.14	1.29	1.43	1.43	1.57	1.43	1.43
180.0	0.00	0.43	0.29	0.29	0.00	0.14	1.00	0.29	0.43
210.0	0.71	0.43	0.00	1.29	1.29	0.57	1.57	1.57	0.29
240.0	0.71	0.00	0.14	0.14	0.43	0.14	0.00	1.14	0.57
270.0	0.14	0.86	1.00	1.29	1.43	0.57	0.14	1.43	0.43
300.0	1.14	0.86	0.71	1.43	0.29	0.29	0.29	0.29	0.57
330.0	0.14	1.29	1.14	1.29	1.43	0.43	1.57	1.43	0.86
360.0	0.43	0.00	0.00	0.57	0.00	0.00	0.71	0.14	0.43

35W

光强数据表(cd)

附页 第 17页 共19页

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.43	0.00	0.86	0.86	0.14	0.86	0.86	0.57	0.86
30.0	1.43	1.14	1.71	1.00	1.86	1.71	0.57	1.57	1.43
60.0	0.57	0.43	1.43	1.29	1.86	1.71	0.71	0.57	1.43
90.0	1.14	1.00	0.86	1.71	0.71	0.57	1.43	0.57	0.71
120.0	0.86	0.71	0.57	0.43	0.43	1.29	0.57	0.71	1.86
150.0	1.29	1.14	1.57	1.14	1.71	0.86	0.71	1.86	0.71
180.0	1.43	0.71	0.86	1.14	0.43	1.57	1.86	1.00	1.86
210.0	1.43	1.14	0.86	0.86	0.43	0.71	0.57	0.86	1.00
240.0	0.57	0.43	0.43	0.57	0.71	1.71	1.00	0.86	0.71
270.0	0.57	1.00	0.71	0.86	0.29	0.86	0.86	0.71	0.71
300.0	0.71	0.71	0.86	0.86	0.57	0.86	0.57	1.00	1.14
330.0	0.57	0.71	0.29	0.86	0.71	0.86	0.43	0.14	0.71
360.0	0.43	0.00	0.86	0.86	0.14	0.86	0.86	0.57	0.86
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.86	1.14	0.71	0.57	1.57	0.43	0.43	1.57	1.43
30.0	0.71	1.14	0.86	0.86	1.71	0.86	0.71	1.29	1.14
60.0	0.57	1.00	0.71	1.14	1.43	0.71	2.00	1.14	1.29
90.0	1.00	0.86	1.00	0.71	1.43	1.57	0.86	1.00	2.14
120.0	1.14	1.43	1.57	0.71	2.00	2.00	1.43	2.28	2.14
150.0	1.57	1.57	0.57	1.43	1.29	1.14	1.00	1.00	1.00
180.0	1.57	1.71	1.71	2.00	2.00	1.14	2.00	2.00	0.86
210.0	0.14	1.00	0.71	0.86	0.43	0.29	0.43	0.29	0.43
240.0	0.71	1.00	1.14	0.29	0.14	1.14	0.14	0.86	0.43
270.0	0.57	1.14	0.43	0.29	1.14	0.29	0.29	1.14	1.00
300.0	0.29	1.14	1.00	0.71	1.14	0.86	0.14	0.71	0.71
330.0	1.57	1.57	0.57	1.43	1.29	1.43	0.29	0.86	1.29
360.0	0.86	1.14	0.71	0.57	1.57	0.43	0.43	1.57	1.43
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	0.43	1.29	1.29	0.86	1.29	1.14	1.43	1.29	1.29
30.0	1.29	1.14	1.86	2.14	1.29	2.57	2.86	2.14	3.28
60.0	2.43	2.00	2.28	2.43	1.71	2.71	2.86	2.71	2.86
90.0	1.29	1.71	2.57	2.14	2.43	2.43	2.86	3.14	2.43
120.0	2.28	1.86	1.71	2.43	1.57	1.57	2.28	1.71	2.00
150.0	1.00	1.86	1.14	1.86	1.29	1.43	1.71	2.00	2.14
180.0	1.71	1.57	1.43	1.43	1.43	1.71	2.28	1.57	1.86
210.0	1.57	0.71	0.86	0.71	1.71	1.86	1.14	1.57	2.71
240.0	0.57	0.57	0.71	1.57	0.86	1.14	2.57	2.00	2.28
270.0	0.43	0.86	1.00	0.86	1.00	1.00	1.71	1.00	1.43
300.0	0.71	0.57	0.57	1.57	1.00	1.14	2.43	1.57	2.00
330.0	0.57	1.86	2.00	1.57	2.14	2.00	2.28	1.86	1.86
360.0	0.43	1.29	1.29	0.86	1.29	1.14	1.43	1.29	1.29
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	2.28	1.86	2.00	3.28	2.57	3.00	2.71	3.71	4.00
30.0	3.28	3.14	3.28	3.86	4.00	3.43	3.86	4.43	4.43
60.0	2.86	3.43	2.71	2.57	3.57	2.86	2.86	3.43	3.57
90.0	3.43	3.43	2.43	3.43	3.43	3.43	4.28	3.43	3.57
120.0	2.14	2.28	2.86	2.43	2.71	4.00	3.43	3.71	4.57
150.0	1.86	2.71	3.14	2.43	3.71	4.00	3.28	4.43	4.57
180.0	2.14	2.43	2.71	2.28	3.57	3.86	3.00	4.28	4.71
210.0	2.43	2.71	2.86	2.86	3.43	2.86	3.86	3.86	3.86
240.0	2.71	2.86	3.14	2.43	3.43	3.43	2.71	3.43	3.43
270.0	2.57	1.86	2.14	3.57	2.86	3.14	2.57	3.86	4.28
300.0	2.43	1.57	3.14	3.28	2.71	3.71	4.00	3.86	4.28
330.0	2.86	1.86	2.00	2.57	2.57	2.86	2.71	3.00	4.14
360.0	2.28	1.86	2.00	3.28	2.57	3.00	2.71	3.71	4.00



35W

光强数据表(cd)

附页 第 18页 共19页

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	3.43	3.71	5.14	4.28	4.86	5.85	5.71	6.43	7.28
30.0	3.57	4.57	4.57	4.14	4.57	4.71	5.14	5.00	5.00
60.0	4.00	3.71	4.00	5.14	4.28	4.71	5.85	5.71	6.00
90.0	4.57	3.71	4.00	4.86	4.43	4.57	4.86	5.28	5.57
120.0	4.71	5.00	4.57	5.43	5.43	4.57	5.57	5.43	5.43
150.0	4.14	4.57	5.28	5.14	5.57	5.43	6.00	6.14	5.57
180.0	4.14	4.57	5.00	5.28	5.43	5.00	6.00	5.85	5.14
210.0	3.28	3.86	4.14	5.00	4.14	4.57	6.00	5.57	6.28
240.0	4.57	3.57	3.86	4.57	4.28	4.71	4.86	6.00	7.00
270.0	3.43	4.86	5.00	4.43	5.57	5.71	5.71	6.43	7.28
300.0	4.71	5.00	4.43	5.28	5.43	4.57	5.71	6.14	6.43
330.0	3.57	4.00	4.43	5.00	5.43	5.85	6.28	6.85	6.85
360.0	3.43	3.71	5.14	4.28	4.86	5.85	5.71	6.43	7.28
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	8.14	8.85	8.85	9.71	10.14	9.14	10.28	10.14	9.57
30.0	5.43	6.14	6.71	7.28	8.28	9.00	8.57	10.00	10.00
60.0	6.71	7.14	7.85	7.85	9.14	9.57	9.57	9.85	9.42
90.0	5.43	7.00	7.71	7.28	8.00	9.71	9.14	9.57	10.42
120.0	6.43	6.14	7.28	7.57	8.00	8.71	8.71	9.57	8.85
150.0	6.71	7.14	6.71	8.14	8.57	8.85	9.85	9.14	9.00
180.0	6.14	6.43	6.57	7.43	7.85	8.85	8.43	8.85	9.00
210.0	6.57	8.28	9.14	9.57	9.00	10.42	9.71	10.14	10.85
240.0	6.85	7.57	9.42	9.14	9.71	10.28	10.42	10.42	9.85
270.0	8.00	8.57	9.00	10.00	10.28	9.42	10.42	10.42	9.28
300.0	7.85	7.71	8.28	9.42	8.85	9.28	9.42	9.71	10.14
330.0	8.00	8.57	9.42	9.00	9.28	10.14	9.28	10.14	10.00
360.0	8.14	8.85	8.85	9.71	10.14	9.14	10.28	10.14	9.57
C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	10.14	10.28	10.42	10.42	10.57	10.85	11.42	11.00	11.00
30.0	9.42	10.57	10.85	10.14	10.71	11.28	11.71	12.00	11.57
60.0	9.42	10.42	9.42	10.14	10.28	10.14	10.71	10.71	11.57
90.0	10.00	10.28	10.42	10.71	10.71	10.85	11.71	12.00	11.57
120.0	9.14	10.42	9.71	9.85	10.85	11.00	11.42	11.42	12.28
150.0	10.14	9.28	9.14	9.85	9.57	10.00	10.28	11.14	11.42
180.0	9.28	9.57	10.00	9.42	10.85	11.28	10.71	11.85	12.28
210.0	10.85	11.00	10.85	11.57	11.71	11.14	11.42	12.28	12.00
240.0	10.57	10.71	9.85	10.85	11.14	10.85	11.14	11.14	11.14
270.0	10.14	10.00	9.71	10.57	10.71	11.85	11.00	11.14	11.71
300.0	9.57	10.71	11.00	10.28	10.71	12.14	11.85	12.28	12.00
330.0	9.85	10.00	10.14	10.85	10.57	10.85	12.00	11.00	11.28
360.0	10.14	10.28	10.42	10.42	10.57	10.85	11.42	11.00	11.00
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	11.00	11.42	10.57	10.57	12.14	12.42	12.00	13.14	12.57
30.0	12.42	12.57	11.42	12.28	12.00	11.28	12.57	11.85	12.00
60.0	12.00	11.28	12.57	12.57	11.71	12.42	12.42	12.42	13.14
90.0	12.57	12.57	12.85	12.00	11.71	12.28	11.57	11.57	12.85
120.0	12.42	12.57	12.42	12.14	12.42	11.28	11.14	12.00	11.57
150.0	11.14	12.28	11.42	11.42	12.42	11.42	11.71	12.00	11.57
180.0	11.85	12.42	12.28	12.57	12.28	11.57	12.42	12.57	11.71
210.0	10.85	11.28	11.00	10.57	10.71	11.00	12.28	11.71	12.14
240.0	11.57	11.00	10.85	10.85	11.42	12.00	11.57	13.14	13.28
270.0	11.57	10.85	11.00	10.85	11.28	11.14	12.42	12.85	12.00
300.0	12.42	12.14	11.00	11.85	12.00	11.42	12.28	12.28	12.14
330.0	11.71	10.71	11.71	11.85	11.85	12.57	13.14	12.42	13.28
360.0	11.00	11.42	10.57	10.57	12.14	12.42	12.00	13.14	12.57

35W

光强数据表(cd)

附页 第 19页 共19页

C/γ(°)	180.0
0.0	12.57
30.0	13.14
60.0	12.71
90.0	12.14
120.0	12.28
150.0	13.14
180.0	12.57
210.0	13.14
240.0	12.71
270.0	12.14
300.0	12.28
330.0	13.14
360.0	12.57

灯具名称: 50W 大罩

灯具描述:

报告编号:

测试编号: OPSZ201807013-02001

光源规格型号:

每个光源光通量(lm): -1.0

光源数量: 1

发光面长度(ft.):0.000

测试模式: C

电压(V): 220.0400

电流(A): 0.2390

功率(W): 51.8500

功率因数: 0.9876

镇流器型号:

发光面宽度(ft.):0.000

发光面高度(ft.):0.000

## 光度结果

灯具光通量(lm): 4728.62

灯具效率(%): 0.00%

灯具效能(lm/w): 91.21

中心光强(cd): 4072.727

最大光强(cd): 4078.439

最大光强角度: C=300.0  $\gamma$ =1.0

半峰边角(50%Imax): [C0/180]Total=63.9

[C90/270]Total=64.1

光束扩散角(10%Imax): [C0/180]Total=102.4

[C90/270]Total=102.1

最大允许距高比(1/2): C0\_180=0.87 C90\_270=0.87

最大允许距高比(1/4): C0\_180=0.98 C90\_270=0.97

上射光通比(%): 0.00%

下射光通比(%): 0.00%

上射光通比(占灯具): 0.49%

下射光通比(占灯具): 99.52%

CIE Type : 直接型

$\pi$ 立体角内输出光通量比: 98.426%



## 50W 大罩

环带光通分布数据表

附页 第 2 页 共 19 页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
0.0	4075.226	0.975	0.975	.000%	.021%
1.0	4071.775	7.793	8.768	.000%	.185%
2.0	4062.136	15.546	24.314	.000%	.514%
3.0	4042.858	23.203	47.517	.000%	1.005%
4.0	4016.915	30.728	78.244	.000%	1.655%
5.0	3990.140	38.136	116.38	.000%	2.461%
6.0	3947.299	45.247	161.627	.000%	3.418%
7.0	3903.268	52.164	213.792	.000%	4.521%
8.0	3859.595	58.905	272.696	.000%	5.767%
9.0	3794.857	65.100	337.796	.000%	7.144%
10.0	3738.688	71.194	408.99	.000%	8.649%
11.0	3678.830	76.977	485.966	.000%	10.277%
12.0	3597.314	82.018	567.984	.000%	12.012%
13.0	3531.863	87.125	655.11	.000%	13.854%
14.0	3460.343	91.801	746.91	.000%	15.796%
15.0	3371.448	95.690	842.6	.000%	17.819%
16.0	3295.525	99.613	942.212	.000%	19.926%
17.0	3218.887	103.203	1045.415	.000%	22.108%
18.0	3128.922	106.030	1151.445	.000%	24.351%
19.0	3048.476	108.837	1260.282	.000%	26.652%
20.0	2924.571	109.690	1369.972	.000%	28.972%
21.0	2847.803	111.916	1481.888	.000%	31.339%
22.0	2804.855	115.223	1597.11	.000%	33.775%
23.0	2728.039	116.891	1714.001	.000%	36.247%
24.0	2642.025	117.842	1831.844	.000%	38.740%
25.0	2558.652	118.580	1950.424	.000%	41.247%
26.0	2484.597	119.440	2069.864	.000%	43.773%
27.0	2400.308	119.499	2189.363	.000%	46.300%
28.0	2323.789	119.635	2308.998	.000%	48.830%
29.0	2250.889	119.668	2428.665	.000%	51.361%
30.0	2176.060	119.314	2547.98	.000%	53.884%
31.0	2101.089	118.669	2666.648	.000%	56.394%
32.0	2031.925	118.078	2784.726	.000%	58.891%
33.0	1962.463	117.209	2901.936	.000%	61.370%
34.0	1894.977	116.203	3018.139	.000%	63.827%
35.0	1824.576	114.764	3132.902	.000%	66.254%
36.0	1765.812	113.819	3246.721	.000%	68.661%
37.0	1701.551	112.295	3359.016	.000%	71.036%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

## 50W 大罩

环带光通分布数据表

附页 第 3 页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
38.0	1644.966	111.058	3470.074	.000%	73.385%
39.0	1596.853	110.202	3580.276	.000%	75.715%
40.0	1545.480	108.939	3689.215	.000%	78.019%
41.0	1491.596	107.311	3796.526	.000%	80.288%
42.0	1439.771	105.647	3902.173	.000%	82.522%
43.0	1357.980	101.561	4003.735	.000%	84.670%
44.0	1256.912	95.748	4099.482	.000%	86.695%
45.0	1144.693	88.762	4188.244	.000%	88.572%
46.0	1012.315	79.855	4268.099	.000%	90.261%
47.0	881.234	70.676	4338.774	.000%	91.756%
48.0	777.631	63.372	4402.147	.000%	93.096%
49.0	713.203	59.026	4461.173	.000%	94.344%
50.0	541.317	45.473	4506.646	.000%	95.306%
51.0	419.708	35.769	4542.415	.000%	96.062%
52.0	323.507	27.956	4570.37	.000%	96.653%
53.0	241.586	21.158	4591.528	.000%	97.101%
54.0	176.551	15.663	4607.191	.000%	97.432%
55.0	132.116	11.868	4619.059	.000%	97.683%
56.0	104.103	9.464	4628.524	.000%	97.883%
57.0	88.859	8.172	4636.696	.000%	98.056%
58.0	76.697	7.133	4643.829	.000%	98.207%
59.0	64.416	6.055	4649.884	.000%	98.335%
60.0	54.170	5.144	4655.028	.000%	98.444%
61.0	47.660	4.571	4659.599	.000%	98.540%
62.0	43.055	4.169	4663.768	.000%	98.629%
63.0	39.616	3.871	4667.639	.000%	98.710%
64.0	36.165	3.564	4671.203	.000%	98.786%
65.0	33.011	3.281	4674.484	.000%	98.855%
66.0	30.714	3.077	4677.561	.000%	98.920%
67.0	28.025	2.829	4680.39	.000%	98.980%
68.0	25.562	2.599	4682.989	.000%	99.035%
69.0	23.931	2.450	4685.439	.000%	99.087%
70.0	21.849	2.251	4687.69	.000%	99.134%
71.0	19.731	2.046	4689.736	.000%	99.178%
72.0	18.493	1.929	4691.665	.000%	99.218%
73.0	16.827	1.765	4693.43	.000%	99.256%
74.0	15.078	1.589	4695.019	.000%	99.289%
75.0	13.947	1.477	4696.496	.000%	99.321%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

## 50W 大罩

## 环带光通分布数据表

附页 第 4页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
76.0	12.757	1.357	4697.854	.000%	99.349%
77.0	11.472	1.226	4699.079	.000%	99.375%
78.0	10.341	1.109	4700.189	.000%	99.399%
79.0	9.592	1.032	4701.221	.000%	99.421%
80.0	8.152	0.880	4702.102	.000%	99.439%
81.0	7.271	0.788	4702.889	.000%	99.456%
82.0	6.605	0.717	4703.606	.000%	99.471%
83.0	5.903	0.642	4704.249	.000%	99.485%
84.0	4.796	0.523	4704.772	.000%	99.496%
85.0	3.975	0.434	4705.206	.000%	99.505%
86.0	3.296	0.361	4705.567	.000%	99.512%
87.0	2.654	0.291	4705.857	.000%	99.519%
88.0	1.583	0.173	4706.031	.000%	99.522%
89.0	0.952	0.104	4706.135	.000%	99.525%
90.0	0.536	0.059	4706.194	.000%	99.526%
91.0	0.417	0.046	4706.239	.000%	99.527%
92.0	0.393	0.043	4706.282	.000%	99.528%
93.0	0.202	0.022	4706.305	.000%	99.528%
94.0	0.619	0.068	4706.372	.000%	99.530%
95.0	0.393	0.043	4706.415	.000%	99.530%
96.0	0.262	0.029	4706.444	.000%	99.531%
97.0	0.774	0.084	4706.528	.000%	99.533%
98.0	0.476	0.052	4706.58	.000%	99.534%
99.0	0.417	0.045	4706.625	.000%	99.535%
100.0	0.583	0.063	4706.688	.000%	99.536%
101.0	0.785	0.085	4706.772	.000%	99.538%
102.0	0.714	0.077	4706.849	.000%	99.540%
103.0	0.583	0.062	4706.911	.000%	99.541%
104.0	0.785	0.084	4706.995	.000%	99.543%
105.0	0.857	0.091	4707.085	.000%	99.545%
106.0	0.738	0.078	4707.163	.000%	99.546%
107.0	0.726	0.076	4707.239	.000%	99.548%
108.0	0.857	0.089	4707.329	.000%	99.550%
109.0	0.881	0.091	4707.42	.000%	99.552%
110.0	0.809	0.083	4707.503	.000%	99.553%
111.0	1.000	0.102	4707.606	.000%	99.556%
112.0	0.762	0.077	4707.683	.000%	99.557%
113.0	0.988	0.100	4707.783	.000%	99.559%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

## 50W 大罩

环带光通分布数据表

附页 第 5 页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
114.0	0.988	0.099	4707.882	.000%	99.561%
115.0	1.000	0.099	4707.981	.000%	99.564%
116.0	0.904	0.089	4708.07	.000%	99.565%
117.0	0.857	0.084	4708.154	.000%	99.567%
118.0	1.166	0.113	4708.267	.000%	99.570%
119.0	0.940	0.090	4708.357	.000%	99.571%
120.0	1.107	0.105	4708.462	.000%	99.574%
121.0	1.107	0.104	4708.566	.000%	99.576%
122.0	1.059	0.098	4708.665	.000%	99.578%
123.0	1.059	0.097	4708.762	.000%	99.580%
124.0	1.166	0.106	4708.868	.000%	99.582%
125.0	1.333	0.120	4708.988	.000%	99.585%
126.0	1.535	0.136	4709.124	.000%	99.588%
127.0	1.547	0.135	4709.26	.000%	99.591%
128.0	1.952	0.169	4709.428	.000%	99.594%
129.0	1.892	0.161	4709.59	.000%	99.598%
130.0	2.118	0.178	4709.767	.000%	99.601%
131.0	2.404	0.199	4709.966	.000%	99.606%
132.0	2.582	0.210	4710.177	.000%	99.610%
133.0	2.832	0.227	4710.404	.000%	99.615%
134.0	3.296	0.260	4710.664	.000%	99.620%
135.0	3.463	0.269	4710.933	.000%	99.626%
136.0	3.749	0.286	4711.218	.000%	99.632%
137.0	3.998	0.299	4711.517	.000%	99.638%
138.0	4.320	0.317	4711.834	.000%	99.645%
139.0	4.546	0.327	4712.161	.000%	99.652%
140.0	4.927	0.347	4712.508	.000%	99.659%
141.0	5.319	0.367	4712.876	.000%	99.667%
142.0	5.569	0.376	4713.252	.000%	99.675%
143.0	5.938	0.392	4713.643	.000%	99.683%
144.0	6.152	0.397	4714.04	.000%	99.692%
145.0	6.533	0.411	4714.451	.000%	99.700%
146.0	7.021	0.431	4714.882	.000%	99.709%
147.0	7.176	0.429	4715.31	.000%	99.719%
148.0	7.711	0.448	4715.758	.000%	99.728%
149.0	8.033	0.454	4716.212	.000%	99.738%
150.0	8.402	0.461	4716.673	.000%	99.747%
151.0	8.985	0.478	4717.15	.000%	99.757%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

## 50W 大罩

环带光通分布数据表

附页 第 6页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
152.0	9.639	0.496	4717.646	.000%	99.768%
153.0	10.496	0.523	4718.169	.000%	99.779%
154.0	11.615	0.558	4718.727	.000%	99.791%
155.0	12.400	0.575	4719.302	.000%	99.803%
156.0	13.435	0.599	4719.901	.000%	99.816%
157.0	14.316	0.613	4720.515	.000%	99.829%
158.0	14.625	0.601	4721.115	.000%	99.841%
159.0	15.220	0.598	4721.714	.000%	99.854%
160.0	15.625	0.586	4722.3	.000%	99.866%
161.0	15.696	0.560	4722.86	.000%	99.878%
162.0	16.101	0.546	4723.406	.000%	99.890%
163.0	16.256	0.521	4723.927	.000%	99.901%
164.0	16.672	0.504	4724.431	.000%	99.911%
165.0	17.196	0.488	4724.919	.000%	99.922%
166.0	17.434	0.463	4725.381	.000%	99.932%
167.0	18.005	0.444	4725.826	.000%	99.941%
168.0	18.279	0.417	4726.242	.000%	99.950%
169.0	18.398	0.385	4726.627	.000%	99.958%
170.0	18.731	0.357	4726.984	.000%	99.965%
171.0	18.921	0.325	4727.309	.000%	99.972%
172.0	18.660	0.285	4727.593	.000%	99.978%
173.0	18.743	0.250	4727.844	.000%	99.984%
174.0	18.945	0.217	4728.061	.000%	99.988%
175.0	18.707	0.179	4728.24	.000%	99.992%
176.0	19.076	0.146	4728.386	.000%	99.995%
177.0	19.766	0.113	4728.499	.000%	99.997%
178.0	19.909	0.076	4728.575	.000%	99.999%
179.0	20.445	0.039	4728.614	.000%	100.000%
180.0	20.992	0.005	4728.619	.000%	100.000%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

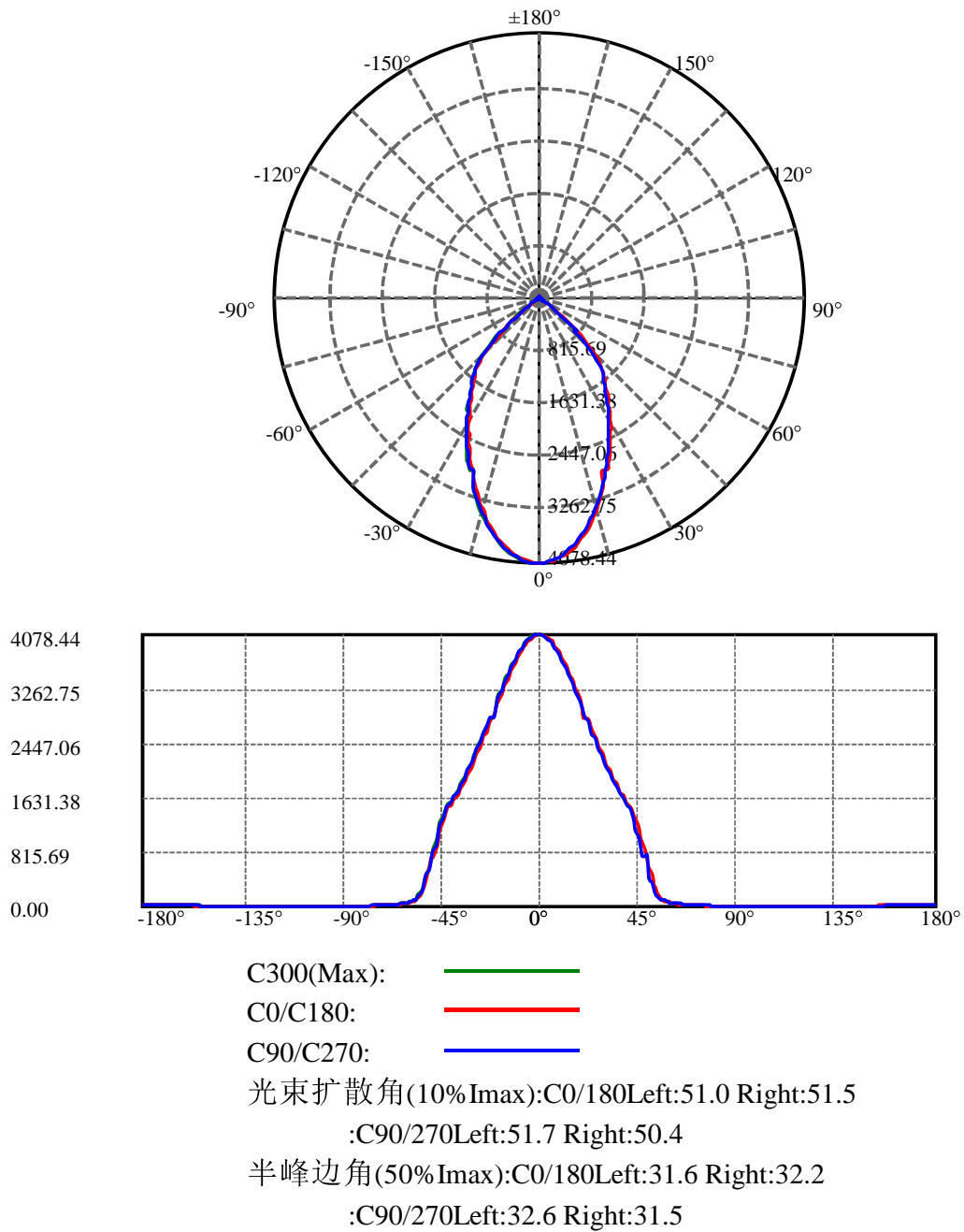


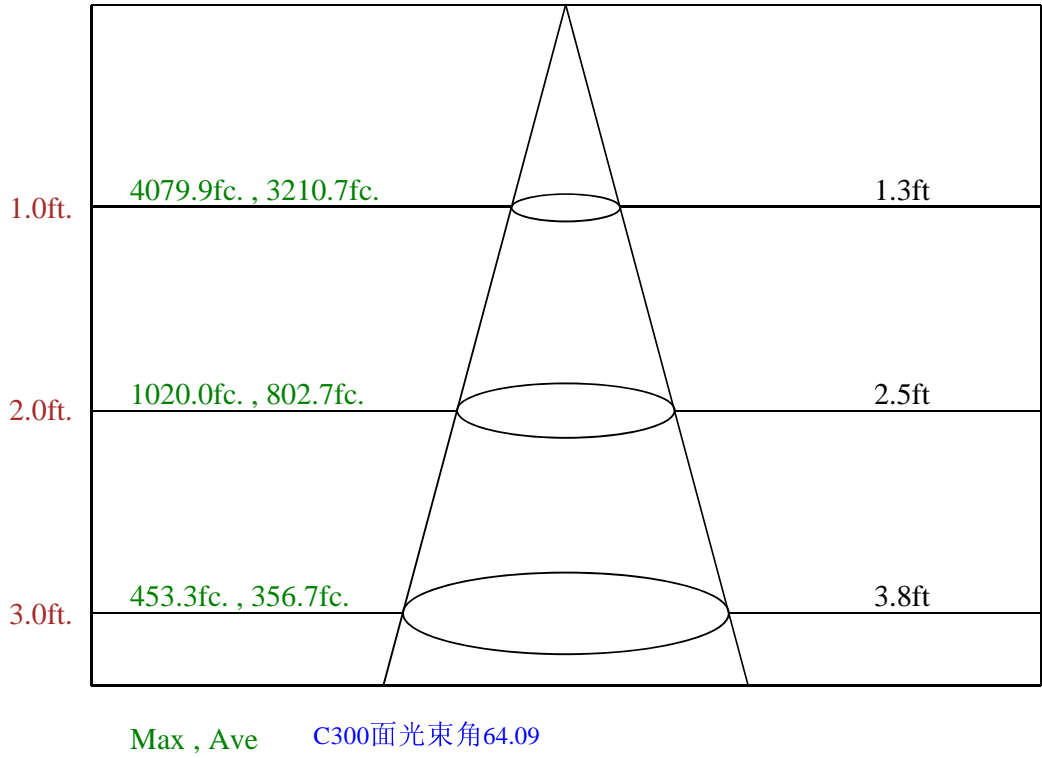
## ZONAL LUMEN SUMMARY

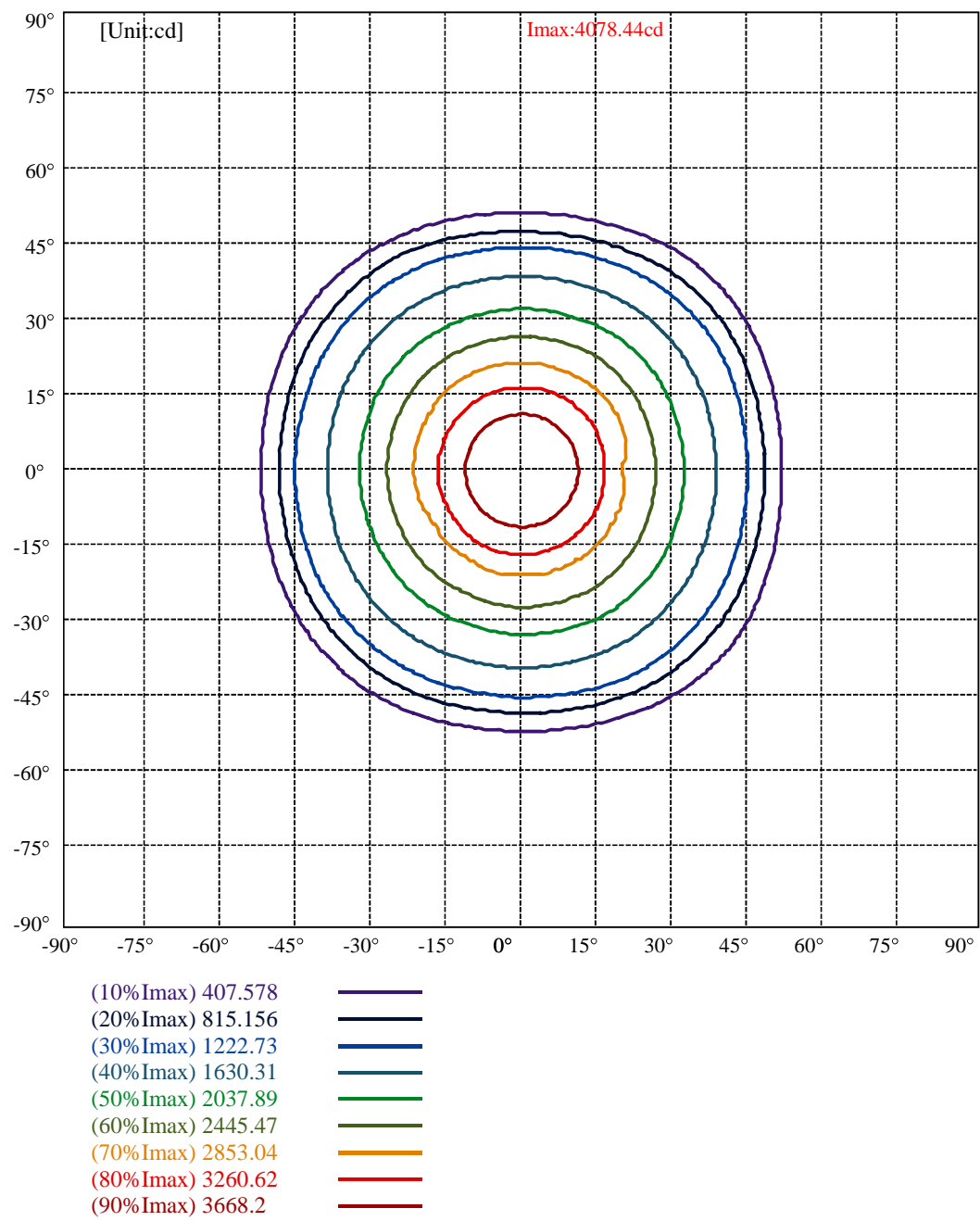
Zone	Lumens	%Lamp	%Fixt
0-30	2547.98	N.A.	53.88%
0-40	3689.22	N.A.	78.02%
0-60	4655.03	N.A.	98.44%
0-90	4706.19	N.A.	99.53%
0-120	4708.46	N.A.	99.57%
0-180	4728.62	N.A.	100.00%
60-90	56.31	N.A.	1.19%
90-120	2.33	N.A.	0.05%
90-130	3.63	N.A.	0.08%
90-150	10.54	N.A.	0.22%
90-180	22.48	N.A.	0.48%
0-40.87	3782.90	N.A.	80.00%

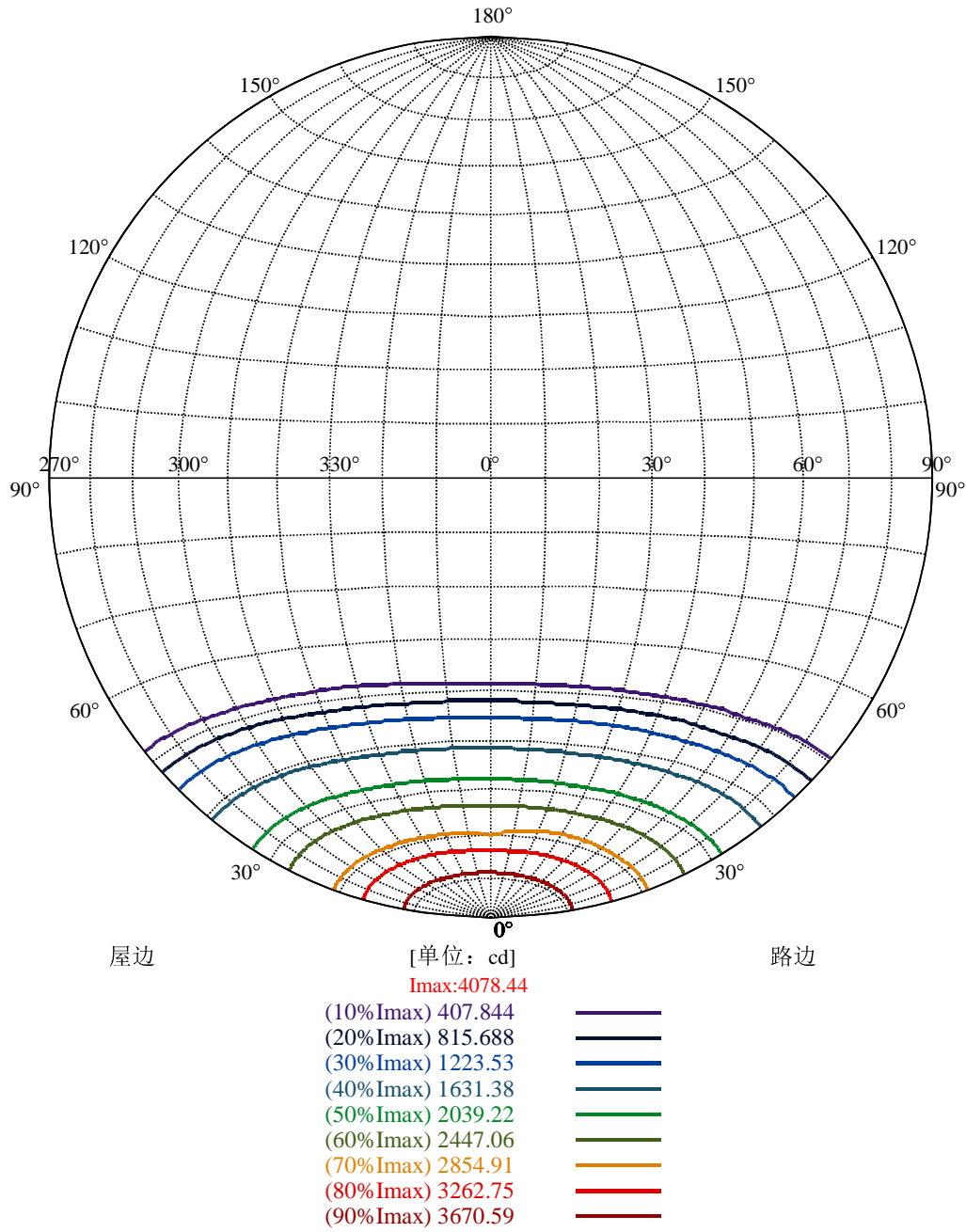
## ZONAL LUMEN SUMMARY

0-10	408.99
10-20	960.98
20-30	1178.01
30-40	1141.24
40-50	817.43
50-60	148.38
60-70	32.66
70-80	14.41
80-90	4.09
90-100	0.49
100-110	0.82
110-120	0.96
120-130	1.31
130-140	2.74
140-150	4.16
150-160	5.63
160-170	4.68
170-180	1.63

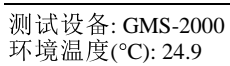






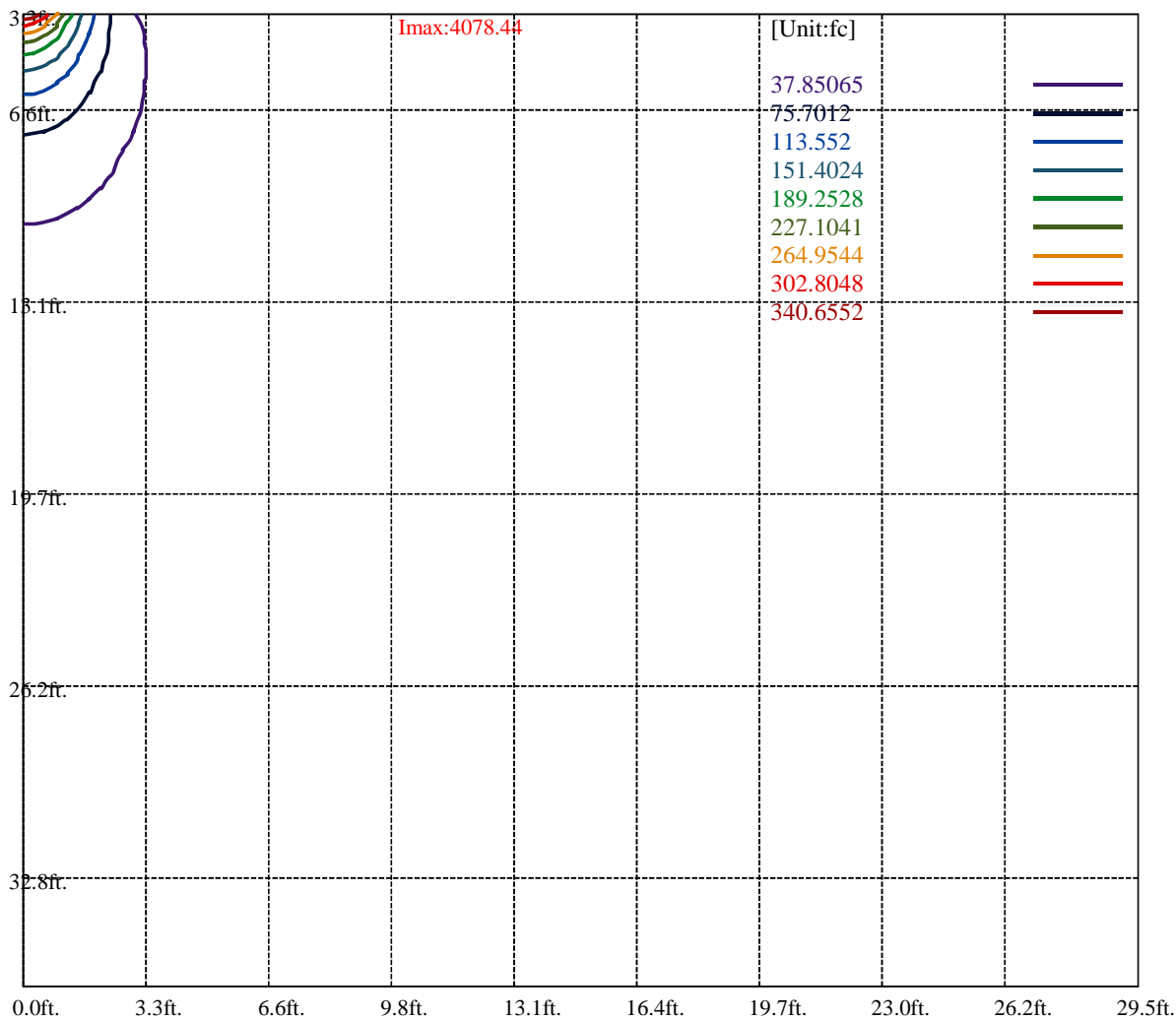


附页 第 12页 共19页



测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95



## 50W 大罩

## 光强数据表(cd)

附页 第 14页 共19页

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	4072.73	4074.16	4065.59	4052.73	4022.75	4001.33	3965.63	3912.79	3874.23
30.0	4074.16	4071.30	4059.88	4041.31	4024.17	3987.05	3948.49	3915.64	3865.66
60.0	4074.16	4065.59	4057.02	4035.60	4008.47	3985.62	3934.21	3888.51	3849.96
90.0	4075.58	4068.44	4057.02	4032.74	4004.18	3978.48	3927.07	3881.37	3841.39
120.0	4075.58	4069.87	4059.88	4032.74	4007.04	3979.91	3927.07	3878.52	3841.39
150.0	4077.01	4065.59	4055.59	4032.74	3995.61	3967.05	3927.07	3867.09	3827.11
180.0	4077.01	4074.16	4059.88	4032.74	4011.32	3978.48	3937.06	3902.79	3839.96
210.0	4074.16	4069.87	4055.59	4041.31	4014.18	3992.76	3944.21	3897.08	3859.95
240.0	4074.16	4071.30	4062.73	4048.45	4017.03	3994.19	3954.20	3899.94	3875.66
270.0	4075.58	4074.16	4068.44	4052.73	4024.17	4001.33	3965.63	3932.78	3872.80
300.0	4075.58	4078.44	4071.30	4055.59	4041.31	4005.61	3971.34	3939.92	3881.37
330.0	4077.01	4078.44	4072.73	4055.59	4032.74	4009.89	3965.63	3922.78	3885.66
360.0	4072.73	4074.16	4065.59	4052.73	4022.75	4001.33	3965.63	3912.79	3874.23
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3819.97	3744.28	3695.73	3625.76	3534.36	3475.81	3397.27	3295.88	3233.05
30.0	3795.69	3749.99	3685.73	3598.62	3544.36	3468.67	3371.57	3313.02	3233.05
60.0	3778.55	3732.86	3665.74	3577.20	3521.51	3445.82	3347.29	3284.46	3204.49
90.0	3768.56	3704.30	3655.74	3565.78	3491.52	3432.97	3354.43	3253.04	3191.64
120.0	3767.13	3704.30	3654.32	3567.21	3491.52	3432.97	3333.01	3250.18	3187.35
150.0	3767.13	3705.72	3654.32	3565.78	3490.09	3432.97	3334.44	3253.04	3191.64
180.0	3781.41	3735.71	3651.46	3581.49	3525.79	3430.12	3350.15	3288.74	3185.92
210.0	3787.12	3724.29	3674.31	3584.34	3511.51	3454.39	3353.00	3270.18	3207.34
240.0	3805.69	3745.71	3695.73	3608.62	3554.35	3477.24	3377.28	3318.73	3235.90
270.0	3818.54	3772.84	3695.73	3628.61	3577.20	3484.38	3405.84	3344.43	3244.47
300.0	3828.54	3784.27	3705.72	3638.61	3585.77	3491.52	3432.97	3355.86	3254.47
330.0	3819.97	3759.99	3711.44	3625.76	3554.35	3497.23	3400.13	3318.73	3257.33
360.0	3819.97	3744.28	3695.73	3625.76	3534.36	3475.81	3397.27	3295.88	3233.05
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3150.22	3043.12	2838.77	2838.77	2818.35	2754.37	2650.99	2569.73	2509.47
30.0	3130.23	3067.40	2984.57	2900.32	2838.91	2734.67	2631.85	2570.45	2487.62
60.0	3101.67	3040.27	2957.44	2854.62	2794.64	2710.39	2648.99	2547.60	2466.20
90.0	3087.39	3003.14	2940.30	2836.06	2774.65	2691.83	2589.01	2529.03	2449.06
120.0	3104.53	2998.85	2936.02	2854.62	2750.38	2688.97	2606.15	2500.47	2440.49
150.0	3088.82	3025.98	2943.16	2838.91	2776.08	2691.83	2589.01	2530.46	2450.49
180.0	3100.24	3037.41	2931.74	2850.34	2790.36	2707.54	2606.15	2546.17	2466.20
210.0	3123.09	3017.42	2837.63	2837.63	2774.80	2710.82	2627.71	2526.18	2464.34
240.0	3131.66	3068.83	2848.62	2848.62	2826.35	2741.38	2636.56	2574.87	2494.05
270.0	3161.65	3098.81	2924.60	2838.63	2838.63	2775.79	2712.68	2611.29	2530.03
300.0	3193.06	3110.24	2943.16	2845.91	2845.91	2761.66	2720.96	2616.57	2535.74
330.0	3174.50	3070.25	3008.85	2829.20	2829.20	2767.23	2684.26	2581.01	2521.46
360.0	3150.22	3043.12	2838.77	2838.77	2818.35	2754.37	2650.99	2569.73	2509.47
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2411.79	2334.54	2277.27	2184.16	2110.62	2056.64	1969.10	1900.42	1849.58
30.0	2386.23	2327.68	2250.57	2193.45	2122.05	2032.08	1977.81	1909.27	1825.02
60.0	2407.65	2306.26	2233.43	2174.88	2080.63	2009.23	1954.97	1869.28	1800.74
90.0	2347.67	2289.12	2212.01	2137.75	2082.06	1992.09	1920.69	1869.28	1786.46
120.0	2361.95	2303.40	2210.58	2136.33	2044.93	1992.09	1919.27	1865.00	1780.75
150.0	2351.96	2294.84	2217.72	2123.47	2069.21	1996.38	1907.84	1875.00	1790.74
180.0	2369.09	2311.97	2234.86	2142.04	2086.34	2012.09	1959.25	1873.57	1806.45
210.0	2384.52	2287.55	2229.15	2154.18	2064.78	2010.94	1941.26	1858.00	1808.02
240.0	2394.66	2336.25	2259.99	2167.31	2112.91	2041.65	1955.11	1903.84	1837.15
270.0	2469.20	2370.81	2293.84	2237.29	2144.61	2070.78	2016.66	1928.98	1860.57
300.0	2476.91	2379.09	2303.26	2248.57	2155.18	2082.63	2029.79	1940.40	1871.28
330.0	2442.07	2343.96	2287.98	2213.30	2139.75	2086.49	1997.81	1946.68	1878.14
360.0	2411.79	2334.54	2277.27	2184.16	2110.62	2056.64	1969.10	1900.42	1849.58



## 50W 大罩

## 光强数据表(cd)

附页 第 15页 共19页

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1766.32	1702.92	1660.36	1607.24	1542.98	1504.71	1453.30	1376.76	1306.79
30.0	1775.04	1712.20	1640.80	1600.82	1547.98	1483.72	1445.16	1358.05	1283.79
60.0	1752.19	1695.07	1627.95	1589.39	1536.55	1472.29	1426.60	1340.92	1189.54
90.0	1739.33	1686.50	1617.95	1566.54	1527.99	1458.01	1403.75	1303.79	1148.13
120.0	1717.91	1676.50	1609.38	1557.98	1519.42	1455.16	1379.47	1296.65	1172.41
150.0	1725.05	1682.21	1613.67	1563.69	1526.56	1459.44	1415.17	1332.35	1195.26
180.0	1756.47	1680.79	1625.09	1586.54	1523.70	1485.15	1432.31	1346.63	1270.94
210.0	1744.19	1673.07	1646.08	1579.40	1528.27	1491.14	1423.60	1344.34	1267.51
240.0	1788.89	1711.77	1656.79	1617.52	1565.69	1501.71	1462.15	1367.33	1253.09
270.0	1810.88	1732.34	1677.07	1637.66	1573.97	1523.27	1485.15	1403.32	1304.93
300.0	1820.73	1738.33	1681.21	1641.66	1577.25	1539.84	1489.72	1420.46	1341.20
330.0	1792.74	1726.91	1683.21	1613.81	1575.40	1524.70	1460.87	1405.18	1349.34
360.0	1766.32	1702.92	1660.36	1607.24	1542.98	1504.71	1453.30	1376.76	1306.79
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1190.40	1040.74	954.78	832.54	673.60	584.21	470.53	338.87	268.47
30.0	1168.12	1038.17	933.93	765.42	734.00	734.00	435.69	331.30	263.61
60.0	1086.73	946.78	778.27	745.43	745.43	435.26	369.00	287.03	230.63
90.0	1045.31	908.22	749.71	749.71	749.71	438.12	362.86	253.47	188.07
120.0	1023.89	938.21	815.40	752.57	752.57	445.69	320.02	255.47	184.36
150.0	1101.01	966.77	803.98	741.14	741.14	452.40	374.43	281.18	204.78
180.0	1145.28	972.49	868.24	734.00	734.00	608.20	399.85	292.46	254.33
210.0	1112.57	1010.04	869.52	708.30	628.33	526.66	392.42	317.16	231.91
240.0	1160.13	1039.03	889.52	793.70	669.03	524.09	442.26	338.01	226.48
270.0	1220.82	1058.45	921.08	823.68	703.16	559.64	476.53	371.86	257.47
300.0	1260.95	1099.29	995.19	859.24	696.73	573.92	489.96	391.28	289.03
330.0	1221.10	1129.57	995.19	825.83	730.72	613.62	502.95	423.98	299.89
360.0	1190.40	1040.74	954.78	832.54	673.60	584.21	470.53	338.87	268.47
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	190.36	134.66	108.10	87.54	75.40	65.83	52.12	44.98	40.56
30.0	175.50	129.66	108.39	88.54	76.40	67.83	52.69	48.55	43.98
60.0	155.80	120.38	106.25	90.11	76.97	66.26	56.98	50.55	46.70
90.0	152.08	113.67	99.39	90.82	74.11	62.40	57.69	50.69	46.41
120.0	126.81	109.67	95.39	82.97	74.69	60.26	55.98	49.12	44.98
150.0	161.94	113.67	94.96	86.82	71.12	58.69	53.41	46.13	42.27
180.0	170.36	124.10	103.53	85.25	72.83	63.26	50.69	45.27	42.27
210.0	154.94	124.81	99.39	81.68	73.54	60.69	48.55	45.41	41.13
240.0	175.65	128.38	99.25	89.25	76.83	60.83	56.12	46.70	42.13
270.0	202.64	147.94	107.24	95.53	82.83	72.69	57.26	49.41	44.84
300.0	233.20	166.51	112.10	95.82	82.83	67.40	56.98	47.55	41.41
330.0	219.34	171.93	115.24	91.96	82.83	66.83	51.55	47.55	39.98
360.0	190.36	134.66	108.10	87.54	75.40	65.83	52.12	44.98	40.56
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	36.84	33.56	30.56	28.27	25.99	23.42	21.85	19.99	17.85
30.0	38.41	36.84	33.84	29.70	28.70	26.42	22.99	22.42	20.71
60.0	42.98	39.41	36.27	33.27	30.99	28.27	26.13	24.42	21.99
90.0	44.27	39.27	36.27	34.70	30.85	28.42	27.56	25.28	22.13
120.0	42.84	39.56	35.13	33.84	31.27	27.56	26.70	24.56	21.56
150.0	40.13	35.56	32.70	31.42	27.56	25.42	24.56	21.42	19.71
180.0	37.41	34.13	32.56	28.70	26.42	25.28	22.13	21.28	19.42
210.0	37.70	34.56	31.56	29.13	26.70	24.56	22.42	20.28	18.85
240.0	40.13	34.84	31.84	30.56	26.56	24.42	23.56	20.42	18.56
270.0	40.56	37.13	33.99	31.27	28.85	26.13	24.28	22.28	20.14
300.0	38.13	34.84	31.42	30.42	26.42	24.13	23.42	20.14	18.42
330.0	35.99	34.27	29.99	27.28	25.99	22.71	21.56	19.71	17.42
360.0	36.84	33.56	30.56	28.27	25.99	23.42	21.85	19.99	17.85

## 50W 大罩

## 光强数据表(cd)

附页 第 16页 共19页

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.42	15.42	13.71	12.71	12.14	10.71	10.00	9.14	8.28
30.0	19.14	17.56	16.14	13.57	13.28	11.85	10.57	10.71	8.28
60.0	20.28	18.56	16.85	16.14	14.28	13.00	11.85	10.42	9.85
90.0	21.56	19.71	16.85	16.57	14.85	14.71	11.85	10.42	9.28
120.0	20.85	19.14	16.42	15.99	14.42	11.71	11.71	10.28	8.14
150.0	18.99	17.42	14.85	14.57	13.28	10.57	10.57	9.42	7.14
180.0	16.71	16.42	14.85	12.14	11.85	10.57	9.42	9.42	7.14
210.0	17.14	15.28	14.57	13.14	11.71	10.85	9.71	8.85	7.57
240.0	17.85	15.28	13.99	13.14	11.57	10.57	9.28	9.00	7.43
270.0	18.71	17.14	15.28	14.28	13.00	11.85	10.42	10.00	9.00
300.0	17.85	15.28	13.85	13.14	11.71	10.57	9.42	9.00	7.57
330.0	16.42	14.71	13.57	12.00	11.00	10.71	9.28	8.43	8.14
360.0	16.42	15.42	13.71	12.71	12.14	10.71	10.00	9.14	8.28
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.43	6.28	6.14	5.43	3.57	3.86	3.00	2.14	1.71
30.0	7.28	7.28	5.57	4.57	4.14	3.14	2.28	1.43	1.00
60.0	8.85	7.14	7.00	6.14	4.43	4.00	3.28	2.00	1.29
90.0	8.14	6.85	6.57	5.28	3.86	2.86	2.00	1.14	0.00
120.0	7.85	6.57	6.71	4.43	3.28	2.28	1.43	0.57	0.14
150.0	7.14	6.14	6.28	4.00	3.00	2.14	2.28	0.43	0.29
180.0	6.00	6.14	4.57	3.86	3.14	2.86	2.28	1.00	1.14
210.0	6.71	6.57	4.71	3.86	4.28	3.43	2.71	1.86	1.00
240.0	6.71	6.71	5.43	4.86	4.28	3.57	3.14	2.43	0.71
270.0	7.14	6.14	6.43	5.43	4.86	3.71	2.86	1.14	1.14
300.0	6.85	6.85	5.57	5.00	4.28	4.00	3.28	2.71	1.86
330.0	7.14	6.57	5.85	4.71	4.57	3.71	3.28	2.14	1.14
360.0	7.43	6.28	6.14	5.43	3.57	3.86	3.00	2.14	1.71
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	0.43	0.86	0.00	0.00	0.57	0.00	0.00	0.14	0.00
30.0	0.00	0.00	0.71	0.00	0.00	0.14	0.29	0.29	0.57
60.0	0.86	0.71	0.86	0.43	1.00	1.00	0.43	0.86	1.00
90.0	0.00	0.86	0.00	0.00	1.14	0.43	0.57	0.86	1.00
120.0	0.14	0.29	0.00	0.00	0.71	0.00	0.00	1.14	0.29
150.0	0.00	0.00	0.00	0.00	0.43	0.00	0.00	1.00	0.00
180.0	1.00	0.29	0.57	0.57	1.00	1.00	0.14	0.86	0.71
210.0	0.43	0.29	0.71	0.86	0.00	0.14	0.71	0.29	0.57
240.0	0.71	0.71	0.86	0.14	1.00	1.00	0.43	0.86	0.14
270.0	0.43	0.71	0.00	0.00	0.43	0.43	0.57	0.86	1.00
300.0	1.14	0.29	1.00	0.14	0.71	0.57	0.00	1.14	0.29
330.0	1.29	0.00	0.00	0.29	0.43	0.00	0.00	1.00	0.14
360.0	0.43	0.86	0.00	0.00	0.57	0.00	0.00	0.14	0.00
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00
30.0	0.00	0.86	1.00	0.14	1.14	1.29	0.57	1.43	1.29
60.0	0.86	0.71	0.86	1.29	0.43	0.43	1.14	0.29	0.14
90.0	1.00	0.57	1.29	1.29	1.14	1.14	1.00	0.86	1.43
120.0	0.57	0.00	0.86	1.29	0.43	1.29	1.43	0.86	1.43
150.0	0.29	1.14	0.57	0.71	0.86	1.14	1.43	1.43	0.71
180.0	0.00	0.43	0.29	0.14	0.00	0.00	0.71	0.43	0.43
210.0	0.29	0.86	1.00	0.14	1.14	1.29	0.57	1.43	1.29
240.0	0.14	0.71	0.86	1.29	0.14	0.43	1.14	0.57	0.71
270.0	1.00	0.57	1.29	1.29	1.14	0.29	1.00	0.86	0.71
300.0	0.57	0.00	0.86	0.29	0.43	1.29	0.71	0.14	0.29
330.0	0.29	1.14	0.57	0.71	0.14	0.71	0.57	0.57	0.29
360.0	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00

## 50W 大罩

## 光强数据表(cd)

附页 第 17页 共19页

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.00	0.00	0.00	0.00	0.14	0.43	0.00	0.71	0.86
30.0	1.14	1.29	1.14	1.57	1.14	1.14	1.71	1.71	0.86
60.0	1.00	1.00	0.86	1.57	0.57	0.43	1.29	0.57	0.57
90.0	0.57	0.57	1.43	0.57	0.43	1.14	0.43	0.57	0.86
120.0	1.43	1.43	1.14	1.14	1.71	1.71	0.86	1.71	1.71
150.0	1.57	1.43	1.29	1.14	1.14	1.86	1.00	0.86	1.71
180.0	0.57	0.86	1.14	1.43	0.57	1.71	1.71	1.29	1.71
210.0	1.14	1.29	0.29	1.57	1.14	0.71	1.71	1.71	1.00
240.0	1.00	0.71	0.71	0.57	0.71	0.43	0.86	0.86	0.57
270.0	0.57	0.57	0.86	0.43	0.43	0.86	0.71	0.86	0.29
300.0	0.57	0.57	0.71	1.14	0.29	0.71	0.86	0.43	0.29
330.0	0.71	0.86	0.14	0.86	0.86	0.71	0.71	0.71	0.43
360.0	0.00	0.00	0.00	0.00	0.14	0.43	0.00	0.71	0.86
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.29	1.14	1.14	0.86	1.14	1.00	1.57	1.00	1.14
30.0	1.71	1.71	0.71	1.71	1.57	2.14	1.57	1.43	1.29
60.0	1.00	0.86	0.86	0.86	0.86	1.71	1.00	1.14	2.28
90.0	0.86	1.00	0.71	0.71	1.71	1.00	1.14	2.14	1.57
120.0	0.71	1.57	1.43	0.86	1.29	1.14	1.43	1.14	1.29
150.0	0.71	1.71	1.57	0.86	1.14	1.14	1.57	1.14	1.14
180.0	1.57	2.00	1.29	2.14	2.00	1.00	1.00	1.57	1.29
210.0	0.29	0.57	0.71	1.71	1.14	1.29	0.43	1.86	2.00
240.0	0.86	0.57	0.86	0.43	0.29	0.43	0.43	0.43	0.43
270.0	1.00	1.14	0.43	1.14	1.29	1.29	1.29	1.29	1.86
300.0	0.14	1.57	1.43	0.86	0.71	0.43	0.43	0.43	1.14
330.0	1.14	0.14	0.14	1.14	0.14	0.14	0.86	0.43	0.57
360.0	0.29	1.14	1.14	0.86	1.14	1.00	1.57	1.00	1.14
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	1.86	1.14	2.00	2.00	2.00	1.29	2.14	2.14	2.14
30.0	1.43	1.43	2.43	1.57	1.71	2.43	2.14	2.43	2.86
60.0	1.57	1.86	2.86	2.57	2.86	3.00	3.43	3.71	4.14
90.0	1.86	2.86	2.28	2.57	3.00	3.14	3.43	2.86	4.14
120.0	1.29	2.00	1.57	1.86	2.00	2.57	2.86	2.57	3.71
150.0	2.28	1.43	1.71	2.00	2.00	2.71	3.00	2.57	4.00
180.0	2.43	1.43	1.57	2.43	1.86	2.14	3.43	2.86	3.28
210.0	1.14	2.14	2.43	2.00	2.71	2.71	2.71	3.14	3.14
240.0	1.00	1.00	1.43	1.14	2.14	2.43	1.86	3.14	3.57
270.0	1.14	1.29	2.14	1.29	1.43	2.28	1.57	2.43	2.71
300.0	1.57	0.86	2.14	2.28	1.71	2.71	2.71	3.00	3.43
330.0	0.86	1.14	0.86	1.00	2.00	1.43	1.71	3.14	2.43
360.0	1.86	1.14	2.00	2.00	2.00	1.29	2.14	2.14	2.14
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	2.57	2.71	3.28	3.28	3.57	4.71	4.28	4.57	5.14
30.0	3.00	3.43	3.43	4.14	4.57	4.14	5.43	6.00	5.28
60.0	3.86	4.43	4.57	5.00	4.86	5.00	5.85	5.28	5.43
90.0	4.28	4.14	4.43	5.00	5.28	5.57	5.57	5.71	6.71
120.0	4.14	3.43	3.86	5.14	4.71	5.14	6.00	6.28	6.57
150.0	4.14	3.71	4.86	5.28	5.00	5.57	5.85	6.43	6.14
180.0	4.28	4.28	4.71	4.00	4.57	5.71	5.57	6.14	6.28
210.0	3.71	4.14	3.71	4.57	5.00	4.28	5.57	5.71	6.14
240.0	3.28	4.00	4.14	4.57	4.14	5.28	5.43	5.85	6.14
270.0	2.43	2.86	3.14	3.28	3.57	4.43	4.28	4.57	6.00
300.0	2.86	3.86	4.14	3.43	4.43	4.28	4.43	4.86	5.14
330.0	3.00	4.00	3.71	4.14	4.86	5.00	5.57	5.43	6.28
360.0	2.57	2.71	3.28	3.28	3.57	4.71	4.28	4.57	5.14

## 50W 大罩

## 光强数据表(cd)

附页 第 18页 共19页

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	5.43	6.00	6.71	6.43	7.71	7.28	7.85	10.00	9.85
30.0	5.71	6.00	6.71	7.14	8.43	8.00	8.43	9.28	9.57
60.0	6.57	6.14	7.00	7.28	7.28	8.43	7.85	8.14	8.43
90.0	6.14	6.43	7.57	7.00	7.28	8.14	8.43	8.14	8.85
120.0	6.71	7.28	7.85	7.28	8.43	8.57	8.00	9.14	9.28
150.0	6.14	7.43	7.57	6.85	8.00	8.14	7.85	8.43	8.71
180.0	6.85	7.28	6.85	8.00	8.14	7.57	8.57	8.71	8.43
210.0	6.71	6.71	6.85	7.85	7.57	7.85	9.14	9.14	10.14
240.0	6.14	6.28	7.28	6.85	7.14	8.14	8.14	9.14	9.85
270.0	5.43	6.00	6.28	7.00	7.57	8.00	8.85	8.71	10.85
300.0	5.43	6.28	6.28	6.85	6.85	8.14	9.14	9.00	11.28
330.0	6.57	6.57	7.28	7.57	8.14	8.14	8.57	10.00	10.42
360.0	5.43	6.00	6.71	6.43	7.71	7.28	7.85	10.00	9.85
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	11.14	13.71	13.57	14.42	15.71	15.57	15.85	16.42	16.57
30.0	10.00	11.14	12.00	13.00	14.14	13.99	15.57	15.85	15.57
60.0	9.00	9.85	10.71	12.28	13.42	13.42	15.14	15.57	14.85
90.0	9.14	10.28	10.85	11.85	13.57	13.71	14.14	15.42	14.99
120.0	9.28	10.85	11.00	12.00	13.57	13.57	14.14	14.71	14.71
150.0	9.57	9.85	10.71	13.00	12.85	13.85	15.57	14.99	15.42
180.0	9.28	9.85	10.85	12.28	12.71	13.71	14.28	14.71	15.14
210.0	11.57	12.42	13.42	14.28	14.71	15.14	15.14	15.28	16.42
240.0	10.85	13.28	13.28	13.99	15.71	16.28	15.85	16.57	16.71
270.0	12.28	12.28	14.57	15.28	14.85	16.28	16.42	16.14	16.85
300.0	12.57	12.85	14.42	14.99	15.71	15.28	15.42	16.28	15.57
330.0	11.28	13.00	13.42	13.85	14.85	14.71	15.14	15.57	15.57
360.0	11.14	13.71	13.57	14.42	15.71	15.57	15.85	16.42	16.57
C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	16.85	17.28	16.71	18.14	18.42	17.71	18.71	18.71	17.56
30.0	16.14	16.28	16.71	16.57	17.42	17.85	18.28	18.99	19.56
60.0	16.14	16.57	16.14	16.99	17.42	17.85	18.42	18.99	19.42
90.0	14.99	15.42	15.57	16.14	16.71	16.71	17.85	18.28	18.14
120.0	15.28	15.28	15.99	16.57	16.14	17.71	18.28	17.85	19.28
150.0	15.85	15.28	16.57	16.85	16.42	17.99	18.56	17.99	19.56
180.0	16.28	15.85	16.28	15.85	17.28	17.85	17.28	18.99	19.42
210.0	15.85	16.14	17.56	16.99	17.56	18.71	17.85	17.99	18.56
240.0	17.14	16.99	17.85	18.28	18.14	19.14	19.28	18.42	18.99
270.0	16.85	17.28	17.71	18.14	18.56	18.85	18.85	18.71	18.85
300.0	15.85	16.71	16.42	18.14	17.71	17.99	17.85	18.14	17.85
330.0	15.99	15.99	16.57	17.71	17.42	17.71	18.14	17.71	17.56
360.0	16.85	17.28	16.71	18.14	18.42	17.71	18.71	18.71	17.56
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	18.42	18.28	17.28	18.42	18.99	18.56	20.42	20.71	20.14
30.0	19.85	19.99	19.99	19.99	19.42	19.28	19.99	19.99	20.71
60.0	19.71	19.85	19.85	19.85	19.28	19.42	19.71	20.14	20.99
90.0	18.99	18.99	18.85	18.85	18.42	18.42	18.71	19.28	20.14
120.0	19.71	18.71	18.85	19.56	18.42	18.28	19.56	18.99	19.99
150.0	19.85	19.14	19.99	19.85	18.71	19.42	19.85	19.14	19.99
180.0	18.85	19.85	19.99	18.99	18.71	19.42	18.56	19.28	21.13
210.0	17.56	17.42	18.14	17.71	17.99	18.71	19.28	19.85	20.28
240.0	18.71	18.56	18.28	18.85	19.28	19.28	20.42	20.99	20.99
270.0	18.28	18.14	18.71	18.28	18.71	20.14	19.85	20.28	20.14
300.0	18.56	17.56	17.56	18.42	18.28	18.99	20.42	20.14	20.42
330.0	18.56	17.42	17.42	18.56	18.28	18.99	20.42	20.14	20.42
360.0	18.42	18.28	17.28	18.42	18.99	18.56	20.42	20.71	20.14

50W 大罩

光强数据表(cd)

附页 第 19页 共19页

C/γ(°)	180.0
0.0	20.42
30.0	20.85
60.0	21.42
90.0	20.56
120.0	21.42
150.0	21.28
180.0	20.42
210.0	20.85
240.0	21.42
270.0	20.56
300.0	21.42
330.0	21.28
360.0	20.42

灯具名称: 70W 大罩

灯具描述:

报告编号:

测试编号: OPSZ201807013-03001

光源规格型号:

每个光源光通量(lm): -1.0

光源数量: 1

发光面长度(ft.):0.000

测试模式: C

电压(V): 219.9900

电流(A): 0.3240

功率(W): 70.3300

功率因数: 0.9876

镇流器型号:

发光面宽度(ft.):0.000

发光面高度(ft.):0.000

## 光度结果

灯具光通量(lm): 7531.17

灯具效率(%): 0.00%

灯具效能(lm/w): 107.10

中心光强(cd): 6978.757

最大光强(cd): 6991.610

最大光强角度: C=240.0  $\gamma$ =1.0

半峰边角(50%Imax): [C0/180]Total=59.8

[C90/270]Total=59.9

光束扩散角(10%Imax): [C0/180]Total=102.8

[C90/270]Total=102.3

最大允许距高比(1/2): C0\_180=0.86 C90\_270=0.83

最大允许距高比(1/4): C0\_180=0.95 C90\_270=0.93

上射光通比(%): 0.00%

下射光通比(%): 0.00%

上射光通比(占灯具): 0.50%

下射光通比(占灯具): 99.52%

CIE Type : 直接型

$\pi$ 立体角内输出光通量比: 98.851%



## 70W 大罩

环带光通分布数据表

附页 第 2 页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
0.0	6978.639	1.670	1.67	.000%	.022%
1.0	6969.833	13.339	15.009	.000%	.199%
2.0	6949.008	26.595	41.603	.000%	.552%
3.0	6917.115	39.699	81.302	.000%	1.080%
4.0	6870.109	52.553	133.855	.000%	1.777%
5.0	6808.704	65.075	198.93	.000%	2.641%
6.0	6740.278	77.262	276.192	.000%	3.667%
7.0	6661.856	89.031	365.223	.000%	4.849%
8.0	6561.775	100.145	465.368	.000%	6.179%
9.0	6458.362	110.792	576.159	.000%	7.650%
10.0	6351.498	120.948	697.107	.000%	9.256%
11.0	6219.525	130.139	827.246	.000%	10.984%
12.0	6097.905	139.031	966.277	.000%	12.830%
13.0	5967.835	147.217	1113.494	.000%	14.785%
14.0	5823.962	154.506	1268	.000%	16.837%
15.0	5674.495	161.055	1429.055	.000%	18.975%
16.0	5531.336	167.194	1596.249	.000%	21.195%
17.0	5376.276	172.373	1768.621	.000%	23.484%
18.0	5226.095	177.097	1945.718	.000%	25.836%
19.0	5074.130	181.157	2126.875	.000%	28.241%
20.0	4919.308	184.505	2311.38	.000%	30.691%
21.0	4758.536	187.005	2498.386	.000%	33.174%
22.0	4611.926	189.456	2687.842	.000%	35.690%
23.0	4463.173	191.238	2879.08	.000%	38.229%
24.0	4317.039	192.553	3071.633	.000%	40.786%
25.0	4163.407	192.952	3264.585	.000%	43.348%
26.0	4034.052	193.926	3458.51	.000%	45.923%
27.0	3889.107	193.619	3652.13	.000%	48.494%
28.0	3739.164	192.502	3844.632	.000%	51.050%
29.0	3620.162	192.465	4037.096	.000%	53.605%
30.0	3487.832	191.239	4228.336	.000%	56.145%
31.0	3345.030	188.926	4417.262	.000%	58.653%
32.0	3238.285	188.181	4605.443	.000%	61.152%
33.0	3108.453	185.654	4791.097	.000%	63.617%
34.0	2947.503	180.746	4971.843	.000%	66.017%
35.0	2834.558	178.291	5150.133	.000%	68.384%
36.0	2766.798	178.340	5328.473	.000%	70.752%
37.0	2666.206	175.958	5504.431	.000%	73.089%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

## 70W 大罩

## 环带光通分布数据表

附页 第 3页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
38.0	2583.726	174.438	5678.868	.000%	75.405%
39.0	2489.845	171.829	5850.697	.000%	77.686%
40.0	2385.492	168.150	6018.847	.000%	79.919%
41.0	2268.906	163.234	6182.081	.000%	82.087%
42.0	2111.740	154.954	6337.035	.000%	84.144%
43.0	1952.919	146.056	6483.091	.000%	86.084%
44.0	1788.625	136.252	6619.343	.000%	87.893%
45.0	1609.491	124.803	6744.146	.000%	89.550%
46.0	1451.135	114.471	6858.617	.000%	91.070%
47.0	1283.437	102.933	6961.55	.000%	92.437%
48.0	1109.266	90.398	7051.948	.000%	93.637%
49.0	965.119	79.875	7131.823	.000%	94.697%
50.0	831.039	69.812	7201.635	.000%	95.624%
51.0	726.758	61.936	7263.571	.000%	96.447%
52.0	588.192	50.828	7314.399	.000%	97.122%
53.0	432.668	37.893	7352.292	.000%	97.625%
54.0	312.202	27.698	7379.989	.000%	97.993%
55.0	230.638	20.718	7400.707	.000%	98.268%
56.0	162.545	14.777	7415.485	.000%	98.464%
57.0	113.742	10.461	7425.946	.000%	98.603%
58.0	89.418	8.316	7434.261	.000%	98.713%
59.0	70.366	6.614	7440.875	.000%	98.801%
60.0	54.610	5.186	7446.062	.000%	98.870%
61.0	47.875	4.592	7450.653	.000%	98.931%
62.0	42.412	4.107	7454.76	.000%	98.985%
63.0	38.307	3.743	7458.503	.000%	99.035%
64.0	35.248	3.474	7461.977	.000%	99.081%
65.0	31.952	3.176	7465.153	.000%	99.123%
66.0	29.227	2.928	7468.081	.000%	99.162%
67.0	26.787	2.704	7470.785	.000%	99.198%
68.0	24.300	2.471	7473.255	.000%	99.231%
69.0	22.349	2.288	7475.543	.000%	99.261%
70.0	20.540	2.117	7477.66	.000%	99.290%
71.0	18.636	1.932	7479.592	.000%	99.315%
72.0	17.136	1.787	7481.379	.000%	99.339%
73.0	15.684	1.645	7483.024	.000%	99.361%
74.0	14.221	1.499	7484.523	.000%	99.381%
75.0	13.090	1.387	7485.91	.000%	99.399%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95



## 70W 大罩

## 环带光通分布数据表

附页 第 4页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
76.0	11.841	1.260	7487.17	.000%	99.416%
77.0	10.710	1.144	7488.314	.000%	99.431%
78.0	9.699	1.040	7489.354	.000%	99.445%
79.0	8.747	0.942	7490.296	.000%	99.457%
80.0	7.688	0.830	7491.126	.000%	99.468%
81.0	6.807	0.737	7491.863	.000%	99.478%
82.0	5.807	0.631	7492.494	.000%	99.487%
83.0	5.153	0.561	7493.055	.000%	99.494%
84.0	4.522	0.493	7493.548	.000%	99.501%
85.0	3.713	0.406	7493.954	.000%	99.506%
86.0	2.975	0.325	7494.279	.000%	99.510%
87.0	2.309	0.253	7494.532	.000%	99.514%
88.0	1.666	0.183	7494.715	.000%	99.516%
89.0	0.964	0.106	7494.82	.000%	99.517%
90.0	0.678	0.074	7494.895	.000%	99.518%
91.0	0.381	0.042	7494.936	.000%	99.519%
92.0	0.571	0.063	7494.999	.000%	99.520%
93.0	0.393	0.043	7495.042	.000%	99.520%
94.0	0.405	0.044	7495.086	.000%	99.521%
95.0	0.405	0.044	7495.131	.000%	99.522%
96.0	0.488	0.053	7495.184	.000%	99.522%
97.0	0.583	0.063	7495.247	.000%	99.523%
98.0	0.714	0.078	7495.325	.000%	99.524%
99.0	0.476	0.052	7495.376	.000%	99.525%
100.0	0.678	0.073	7495.45	.000%	99.526%
101.0	0.916	0.099	7495.548	.000%	99.527%
102.0	0.762	0.082	7495.63	.000%	99.528%
103.0	0.797	0.085	7495.715	.000%	99.529%
104.0	0.738	0.079	7495.794	.000%	99.530%
105.0	0.928	0.098	7495.892	.000%	99.532%
106.0	1.012	0.107	7495.999	.000%	99.533%
107.0	0.690	0.072	7496.071	.000%	99.534%
108.0	1.131	0.118	7496.189	.000%	99.536%
109.0	1.142	0.118	7496.307	.000%	99.537%
110.0	0.821	0.085	7496.392	.000%	99.538%
111.0	0.857	0.088	7496.48	.000%	99.539%
112.0	0.916	0.093	7496.573	.000%	99.541%
113.0	1.333	0.135	7496.707	.000%	99.542%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

## 70W 大罩

## 环带光通分布数据表

附页 第 5 页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
114.0	1.297	0.130	7496.837	.000%	99.544%
115.0	1.107	0.110	7496.947	.000%	99.546%
116.0	1.321	0.130	7497.077	.000%	99.547%
117.0	1.261	0.123	7497.201	.000%	99.549%
118.0	1.488	0.144	7497.345	.000%	99.551%
119.0	1.726	0.165	7497.51	.000%	99.553%
120.0	1.714	0.163	7497.673	.000%	99.555%
121.0	1.856	0.175	7497.847	.000%	99.558%
122.0	2.213	0.206	7498.053	.000%	99.560%
123.0	2.178	0.200	7498.254	.000%	99.563%
124.0	2.368	0.215	7498.469	.000%	99.566%
125.0	2.678	0.241	7498.709	.000%	99.569%
126.0	2.808	0.249	7498.959	.000%	99.572%
127.0	2.820	0.247	7499.206	.000%	99.576%
128.0	3.165	0.274	7499.479	.000%	99.579%
129.0	3.332	0.284	7499.763	.000%	99.583%
130.0	3.522	0.296	7500.059	.000%	99.587%
131.0	3.820	0.316	7500.375	.000%	99.591%
132.0	4.201	0.342	7500.717	.000%	99.596%
133.0	4.355	0.349	7501.067	.000%	99.600%
134.0	4.760	0.375	7501.442	.000%	99.605%
135.0	5.129	0.398	7501.84	.000%	99.611%
136.0	5.688	0.433	7502.273	.000%	99.616%
137.0	6.045	0.452	7502.725	.000%	99.622%
138.0	6.355	0.466	7503.192	.000%	99.629%
139.0	7.200	0.518	7503.71	.000%	99.635%
140.0	7.664	0.540	7504.25	.000%	99.643%
141.0	8.199	0.566	7504.816	.000%	99.650%
142.0	8.759	0.591	7505.407	.000%	99.658%
143.0	9.473	0.625	7506.032	.000%	99.666%
144.0	10.341	0.667	7506.699	.000%	99.675%
145.0	10.544	0.663	7507.362	.000%	99.684%
146.0	11.424	0.701	7508.063	.000%	99.693%
147.0	12.269	0.733	7508.795	.000%	99.703%
148.0	12.471	0.725	7509.52	.000%	99.713%
149.0	13.316	0.752	7510.272	.000%	99.723%
150.0	14.399	0.790	7511.062	.000%	99.733%
151.0	15.137	0.805	7511.866	.000%	99.744%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

## 70W 大罩

环带光通分布数据表

附页 第 6页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
152.0	16.315	0.840	7512.706	.000%	99.755%
153.0	17.827	0.887	7513.594	.000%	99.767%
154.0	19.397	0.932	7514.526	.000%	99.779%
155.0	21.111	0.978	7515.505	.000%	99.792%
156.0	22.610	1.008	7516.513	.000%	99.805%
157.0	23.872	1.023	7517.536	.000%	99.819%
158.0	24.871	1.022	7518.558	.000%	99.833%
159.0	25.502	1.002	7519.56	.000%	99.846%
160.0	26.085	0.978	7520.538	.000%	99.859%
161.0	26.288	0.939	7521.477	.000%	99.871%
162.0	26.823	0.909	7522.386	.000%	99.883%
163.0	27.513	0.882	7523.268	.000%	99.895%
164.0	27.870	0.842	7524.11	.000%	99.906%
165.0	28.608	0.812	7524.922	.000%	99.917%
166.0	29.560	0.784	7525.707	.000%	99.928%
167.0	30.096	0.742	7526.449	.000%	99.937%
168.0	30.607	0.698	7527.147	.000%	99.947%
169.0	31.262	0.654	7527.801	.000%	99.955%
170.0	31.428	0.598	7528.399	.000%	99.963%
171.0	31.571	0.542	7528.941	.000%	99.970%
172.0	31.774	0.485	7529.426	.000%	99.977%
173.0	31.821	0.425	7529.851	.000%	99.983%
174.0	31.714	0.364	7530.215	.000%	99.987%
175.0	32.023	0.306	7530.521	.000%	99.991%
176.0	32.440	0.248	7530.769	.000%	99.995%
177.0	33.261	0.191	7530.96	.000%	99.997%
178.0	34.118	0.131	7531.09	.000%	99.999%
179.0	34.844	0.067	7531.157	.000%	100.000%
180.0	35.177	0.008	7531.165	.000%	100.000%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/4  
环境湿度(%): 55.0%

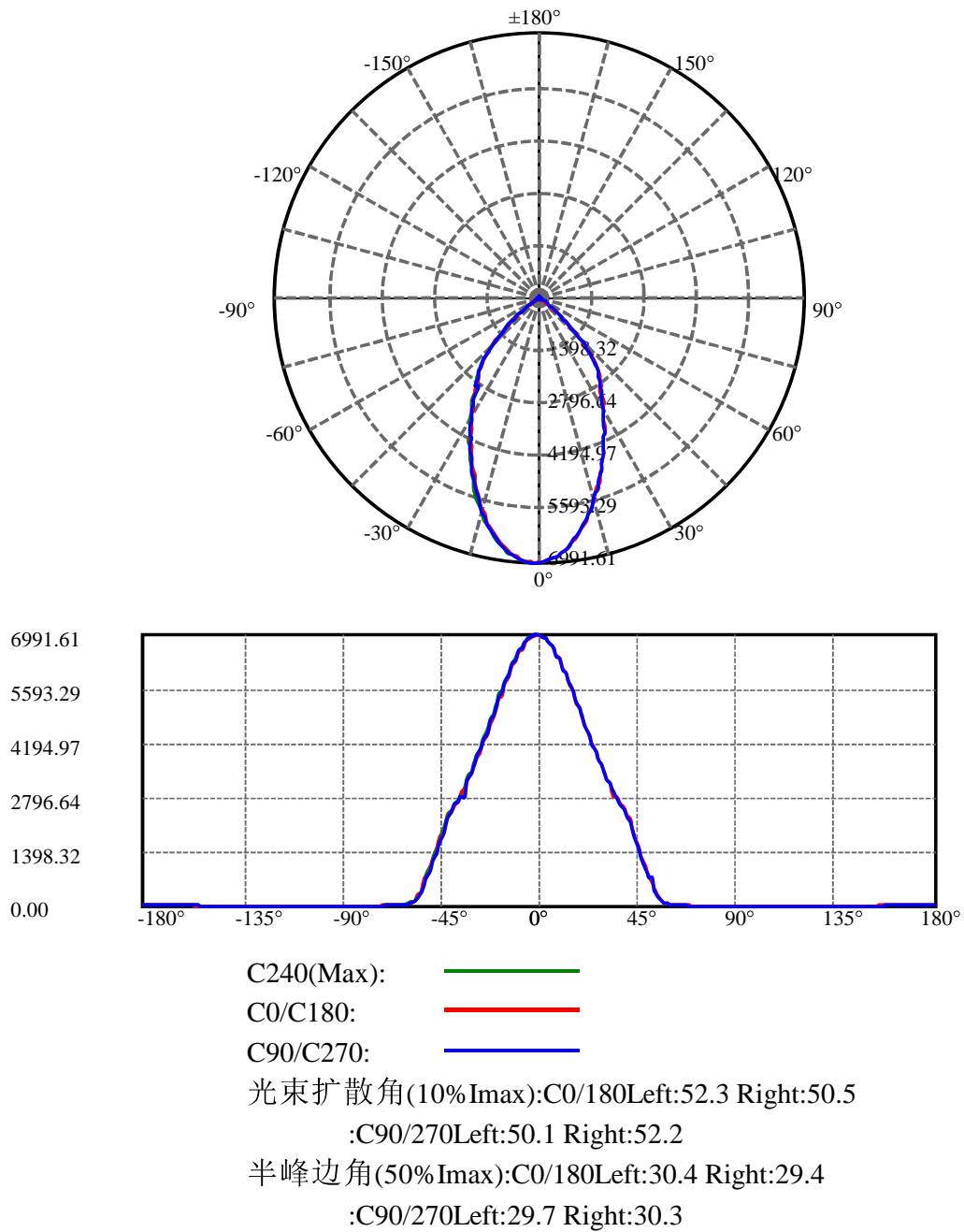
测试人员: Evan  
测试距离(m): 11.95

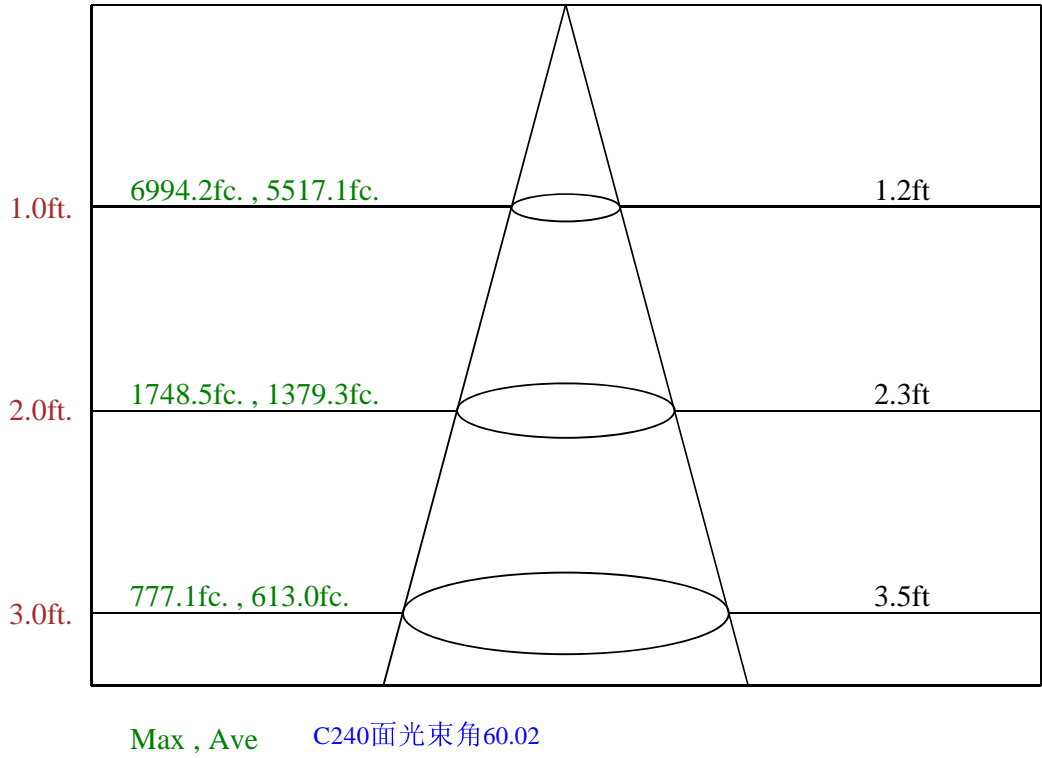
## ZONAL LUMEN SUMMARY

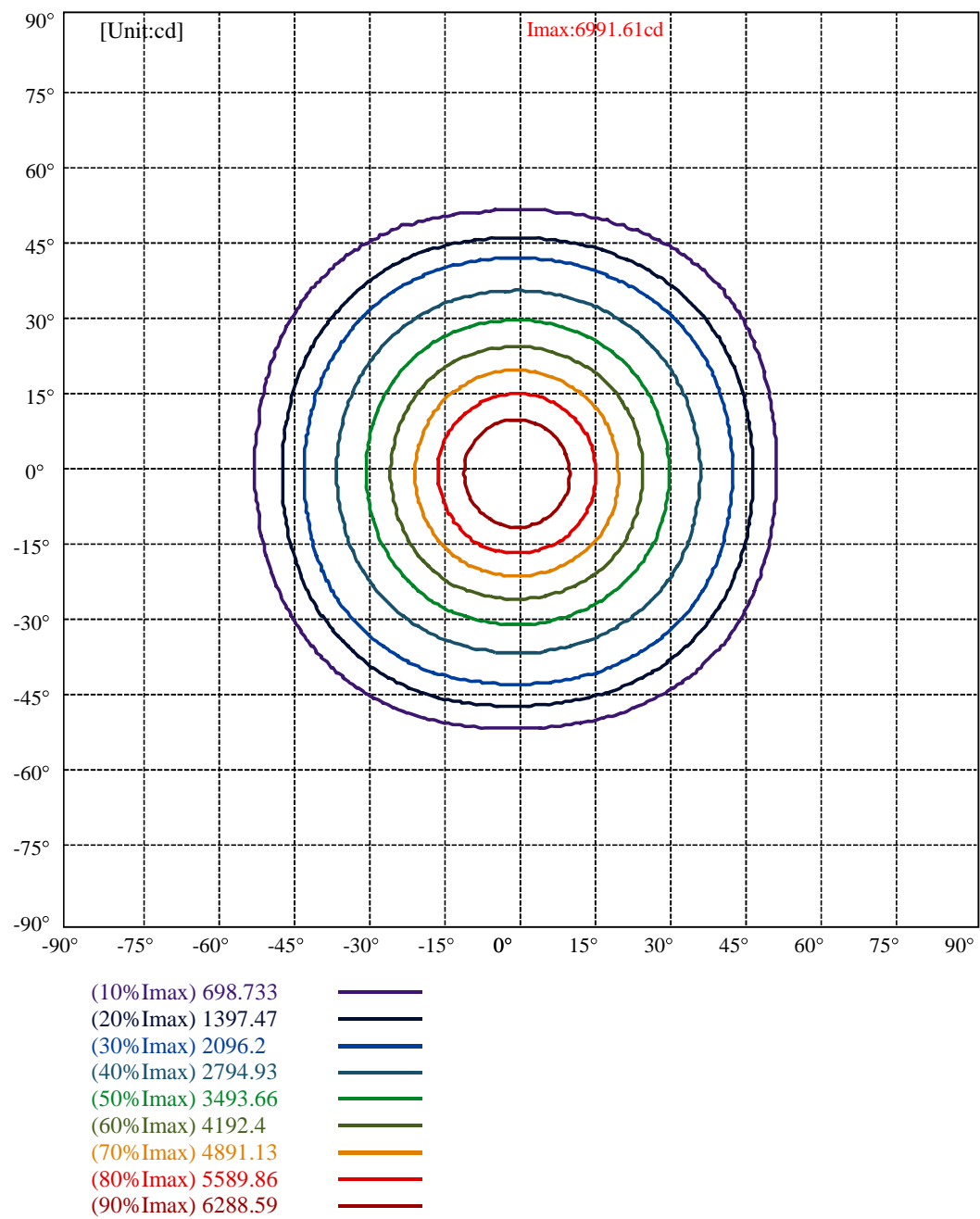
Zone	Lumens	%Lamp	%Fixt
0-30	4228.34	N.A.	56.14%
0-40	6018.85	N.A.	79.92%
0-60	7446.06	N.A.	98.87%
0-90	7494.89	N.A.	99.52%
0-120	7497.67	N.A.	99.56%
0-180	7531.17	N.A.	100.00%
60-90	54.02	N.A.	0.72%
90-120	2.85	N.A.	0.04%
90-130	5.24	N.A.	0.07%
90-150	16.24	N.A.	0.22%
90-180	36.34	N.A.	0.48%
0-40.04	6024.93	N.A.	80.00%

## ZONAL LUMEN SUMMARY

0-10	697.11
10-20	1614.27
20-30	1916.96
30-40	1790.51
40-50	1182.79
50-60	244.43
60-70	31.60
70-80	13.47
80-90	3.77
90-100	0.55
100-110	0.94
110-120	1.28
120-130	2.39
130-140	4.19
140-150	6.81
150-160	9.48
160-170	7.86
170-180	2.76



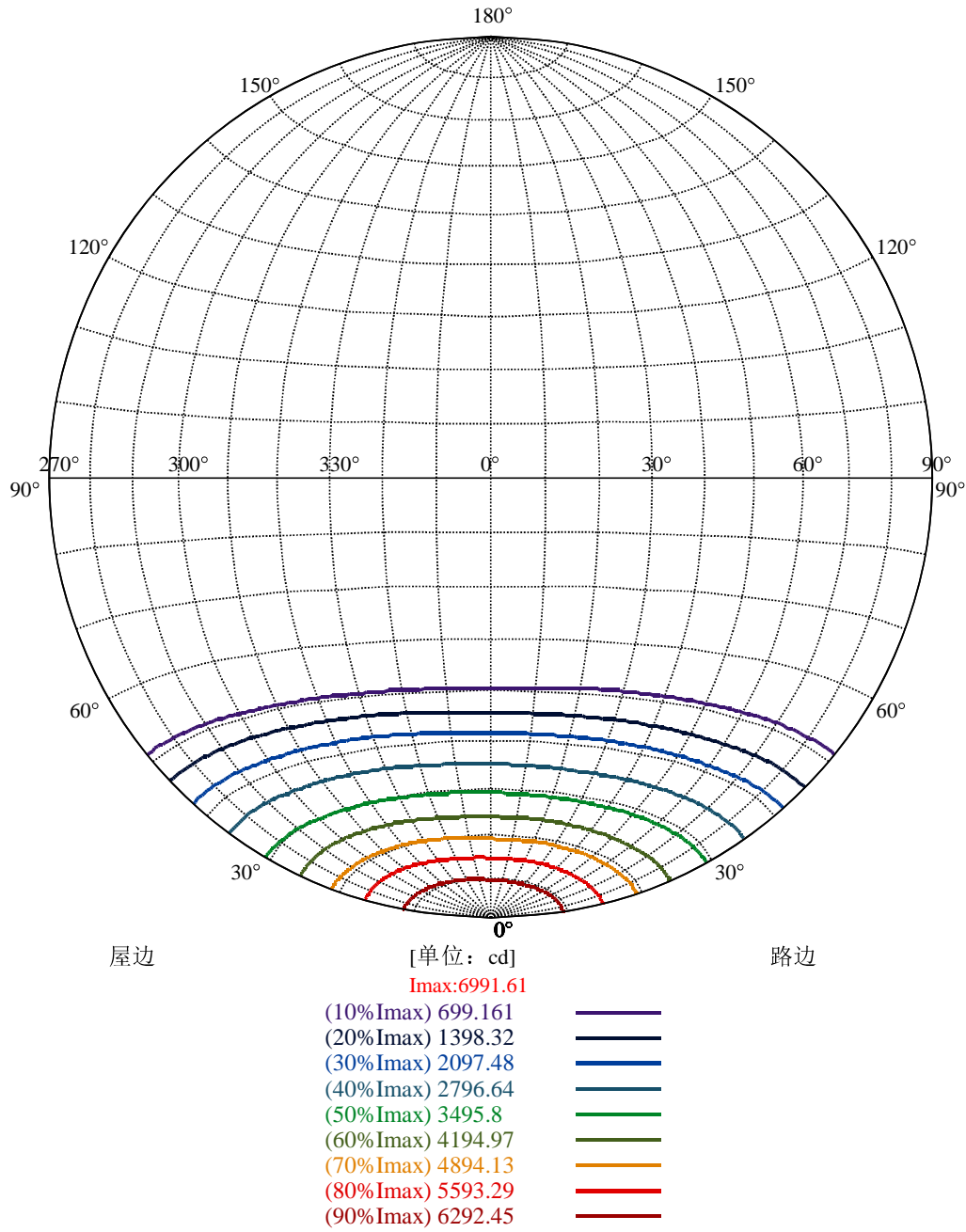




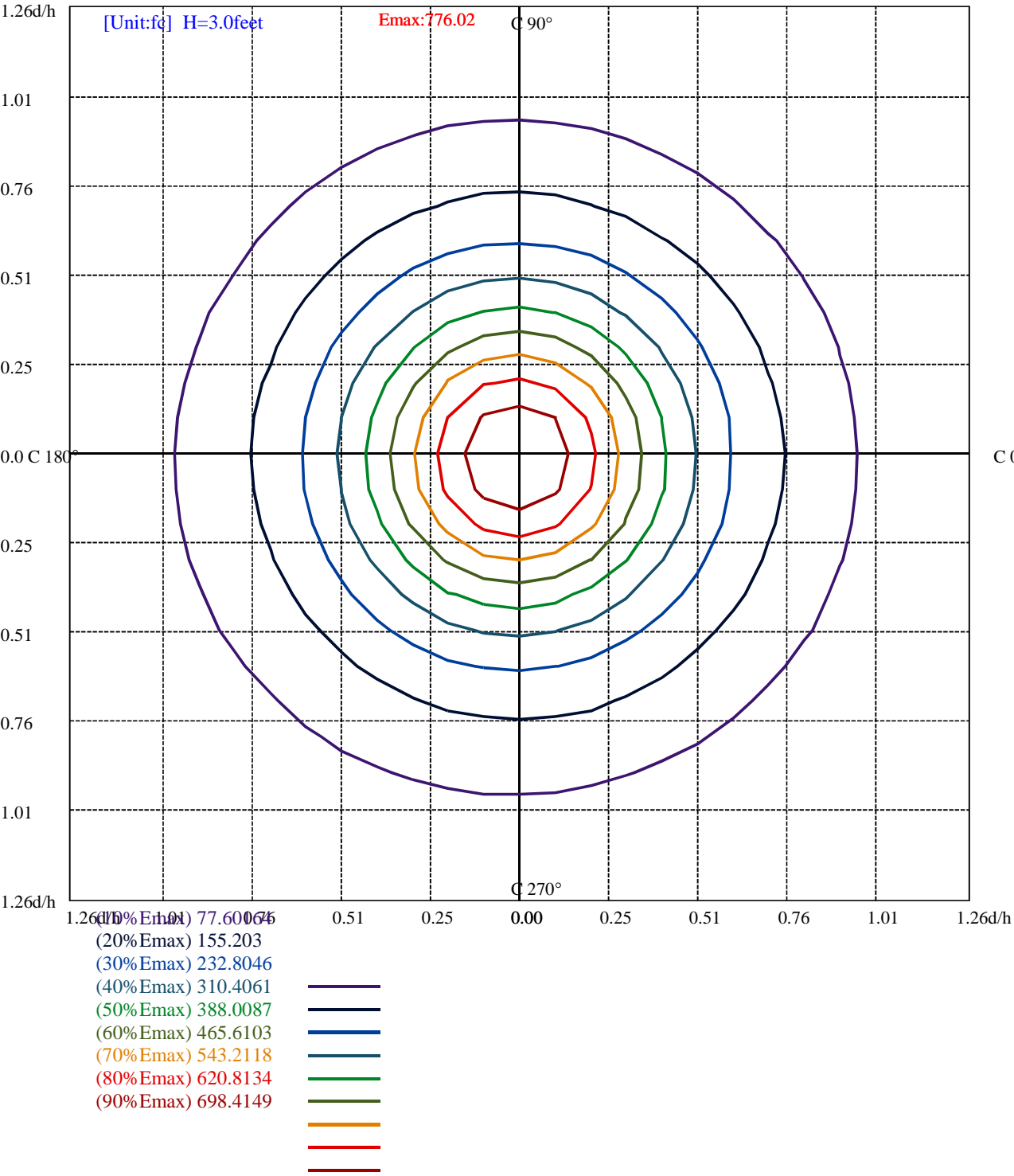
测试设备: GMS-2000  
环境温度(°C): 24.9

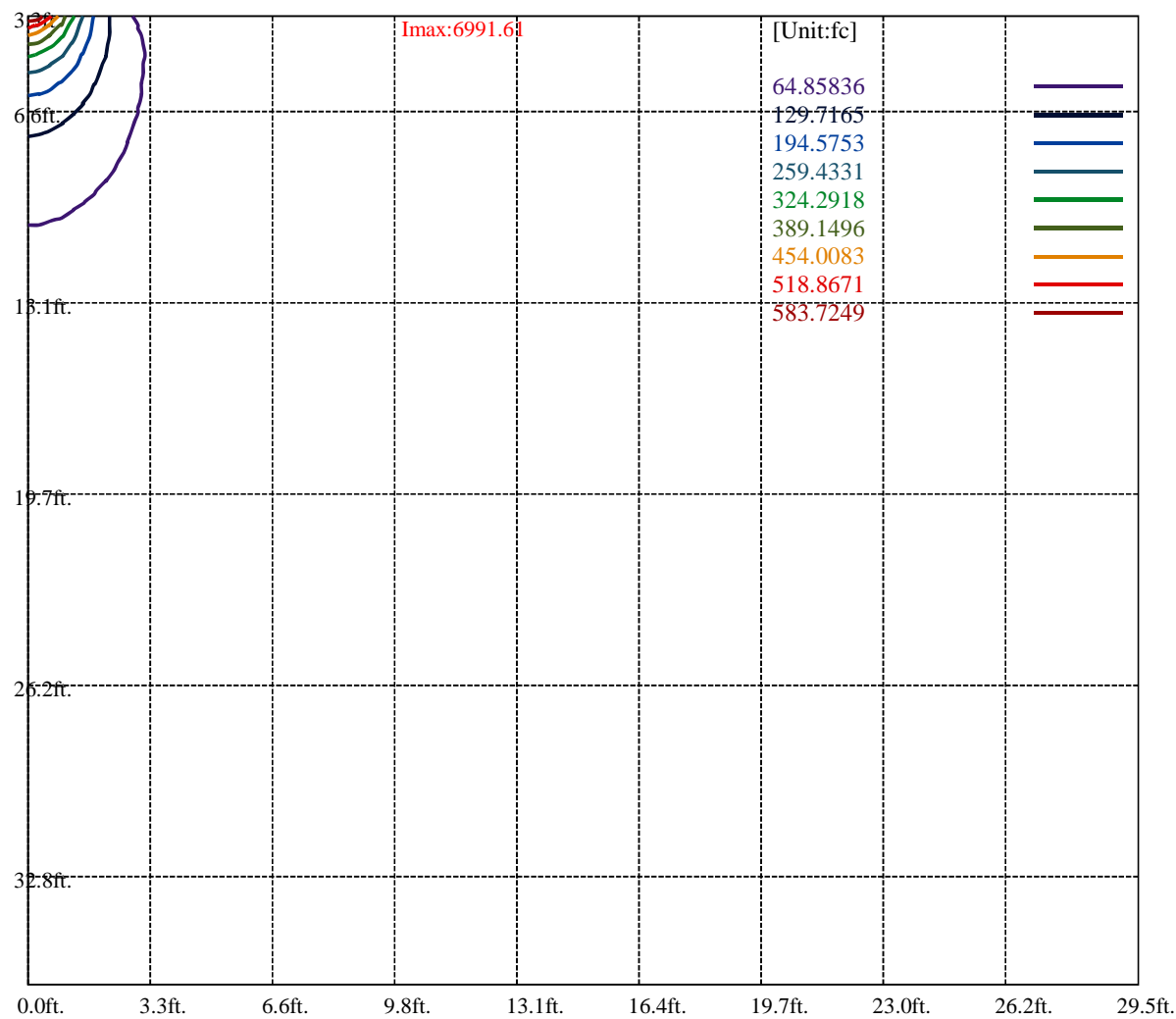
测试日期: 2018/7/4  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95









## 70W 大罩

## 光强数据表(cd)

附页 第 14页 共19页

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	6978.76	6947.34	6917.35	6885.94	6817.39	6745.99	6687.44	6570.34	6467.53
30.0	6978.76	6964.48	6931.63	6874.51	6828.82	6758.84	6651.74	6578.91	6471.81
60.0	6984.47	6963.05	6917.35	6880.22	6818.82	6726.00	6658.88	6561.77	6484.66
90.0	6983.04	6965.91	6920.21	6885.94	6827.39	6737.42	6674.59	6581.77	6447.53
120.0	6978.76	6958.77	6938.77	6898.79	6831.67	6781.69	6703.15	6638.89	6514.65
150.0	6973.05	6968.76	6955.91	6920.21	6875.94	6835.96	6748.85	6663.16	6593.19
180.0	6968.76	6971.62	6958.77	6943.06	6900.22	6850.24	6805.97	6708.86	6620.32
210.0	6978.76	6984.47	6974.47	6960.19	6927.35	6867.37	6821.68	6731.71	6670.30
240.0	6984.47	6991.61	6990.18	6964.48	6940.20	6894.50	6824.53	6774.55	6668.88
270.0	6983.04	6987.33	6978.76	6954.48	6928.78	6873.08	6813.11	6758.84	6654.60
300.0	6978.76	6977.33	6965.91	6934.49	6904.50	6840.24	6774.55	6717.43	6607.47
330.0	6973.05	6957.34	6938.77	6903.07	6840.24	6793.11	6718.86	6656.02	6540.35
360.0	6978.76	6947.34	6917.35	6885.94	6817.39	6745.99	6687.44	6570.34	6467.53
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6383.27	6233.33	6106.23	6004.85	5832.05	5686.40	5575.01	5385.08	5232.28
30.0	6324.72	6230.47	6099.09	5996.28	5817.77	5670.69	5557.87	5365.09	5210.86
60.0	6339.00	6213.34	6114.80	5942.01	5799.21	5687.82	5499.32	5347.95	5230.86
90.0	6364.71	6241.90	6079.10	5976.28	5834.91	5724.95	5539.31	5390.79	5275.12
120.0	6406.12	6317.58	6160.50	6026.27	5922.02	5743.52	5597.86	5485.04	5297.97
150.0	6460.39	6346.14	6251.89	6089.10	5952.01	5847.76	5663.55	5552.16	5399.36
180.0	6546.07	6408.98	6290.45	6196.20	6064.82	5892.03	5783.50	5634.99	5445.06
210.0	6574.63	6471.81	6327.58	6236.19	6106.23	5970.57	5824.91	5640.70	5529.31
240.0	6576.06	6500.37	6390.41	6239.04	6144.79	6009.13	5832.05	5722.10	5573.58
270.0	6583.20	6478.95	6336.15	6246.18	6117.66	5946.30	5839.19	5692.11	5503.61
300.0	6507.51	6426.11	6281.88	6156.22	6057.68	5886.32	5740.66	5629.27	5439.35
330.0	6434.68	6349.00	6196.20	6066.25	5964.86	5822.06	5640.70	5530.74	5377.94
360.0	6383.27	6233.33	6106.23	6004.85	5832.05	5686.40	5575.01	5385.08	5232.28
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	5116.61	4920.97	4769.60	4655.36	4468.29	4358.33	4214.10	4037.03	3932.78
30.0	5093.77	4899.55	4745.33	4633.94	4445.44	4296.93	4186.97	4008.47	3869.95
60.0	5036.64	4879.56	4765.32	4573.96	4424.02	4312.64	4134.13	3992.76	3889.94
90.0	5085.20	4930.97	4816.73	4628.23	4478.29	4368.33	4186.97	4045.59	3939.92
120.0	5142.32	5029.50	4836.72	4685.35	4571.11	4381.18	4272.65	4125.56	3984.19
150.0	5206.58	5090.91	4933.83	4739.61	4622.52	4471.15	4356.90	4171.26	4024.17
180.0	5330.82	5175.16	4982.38	4863.85	4709.63	4519.70	4404.03	4252.66	4144.13
210.0	5379.37	5223.72	5108.05	4910.98	4755.32	4638.23	4446.87	4294.07	4181.26
240.0	5459.34	5267.98	5110.90	4956.67	4801.02	4645.37	4529.70	4338.34	4224.10
270.0	5389.37	5230.86	5035.22	4916.69	4758.18	4563.97	4446.87	4294.07	4105.57
300.0	5283.69	5166.59	5009.51	4812.44	4695.35	4541.12	4349.76	4235.52	4088.44
330.0	5189.44	5073.77	4918.12	4725.33	4613.95	4461.15	4275.51	4165.55	4024.17
360.0	5116.61	4920.97	4769.60	4655.36	4468.29	4358.33	4214.10	4037.03	3932.78
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	3797.12	3631.47	3535.79	3408.70	3255.90	3167.36	2951.73	2842.20	2842.20
30.0	3769.99	3605.76	3475.81	3382.99	3258.75	3168.79	3023.13	2910.31	2773.22
60.0	3752.85	3585.77	3487.24	3361.57	3205.92	3115.95	2998.85	2884.61	2773.22
90.0	3765.70	3631.47	3530.08	3398.70	3241.62	3150.22	3028.84	2941.73	2800.36
120.0	3878.52	3704.30	3567.21	3467.24	3304.45	3180.21	3091.67	2944.59	2831.77
150.0	3917.07	3742.85	3608.62	3505.80	3343.01	3217.34	3124.52	2974.58	2858.91
180.0	3961.34	3817.11	3712.87	3541.50	3410.12	3313.02	3158.79	3038.84	2948.87
210.0	3998.47	3857.10	3749.99	3580.06	3445.82	3350.15	3223.05	3101.67	2840.06
240.0	4038.45	3894.22	3785.69	3647.18	3477.24	3378.71	3250.18	3093.10	2829.49
270.0	4031.31	3849.96	3708.58	3604.34	3434.40	3303.02	3207.34	2843.05	2843.05
300.0	3909.93	3804.26	3667.17	3501.52	3402.98	3274.46	3118.81	2950.30	2828.49
330.0	3848.53	3745.71	3612.90	3454.39	3360.14	3240.19	3124.52	2845.05	2845.05
360.0	3797.12	3631.47	3535.79	3408.70	3255.90	3167.36	2951.73	2842.20	2842.20

## 70W 大罩

## 光强数据表(cd)

附页 第 15页 共19页

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	2734.67	2640.13	2572.44	2463.77	2350.39	2242.71	2047.65	1882.57	1754.90
30.0	2693.26	2599.01	2533.32	2427.64	2309.12	2202.01	1994.95	1816.45	1687.93
60.0	2647.56	2579.01	2493.33	2373.38	2269.13	2116.33	1957.82	1830.73	1615.10
90.0	2693.26	2594.72	2527.60	2441.92	2293.41	2192.02	2003.52	1833.58	1699.35
120.0	2748.95	2627.57	2536.17	2470.48	2349.10	2206.30	2092.06	1932.12	1719.34
150.0	2776.08	2648.99	2577.59	2491.90	2373.38	2273.42	2119.19	1906.41	1770.75
180.0	2807.50	2697.54	2623.28	2533.32	2421.93	2339.10	2196.30	2003.52	1883.56
210.0	2840.06	2726.24	2648.99	2553.02	2485.76	2372.24	2245.00	2140.75	1952.11
240.0	2829.49	2744.38	2665.27	2567.87	2477.91	2408.22	2253.85	2104.62	1947.97
270.0	2843.05	2708.96	2636.13	2543.46	2420.93	2320.68	2170.74	1959.11	1828.16
300.0	2797.93	2717.82	2598.72	2507.90	2438.07	2274.13	2123.04	2004.66	1797.74
330.0	2789.79	2710.11	2591.87	2503.47	2436.78	2279.70	2136.75	2020.51	1806.59
360.0	2734.67	2640.13	2572.44	2463.77	2350.39	2242.71	2047.65	1882.57	1754.90
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1531.13	1355.05	1227.67	1034.75	888.09	778.56	603.05	474.53	385.42
30.0	1493.71	1343.77	1225.25	1019.61	861.10	749.71	749.71	440.97	354.01
60.0	1433.74	1303.79	1102.44	992.48	848.25	738.29	738.29	434.69	300.03
90.0	1470.87	1293.79	1165.27	963.92	852.53	746.86	746.86	443.40	360.29
120.0	1585.11	1406.60	1186.69	1066.73	926.79	759.71	725.44	725.44	358.01
150.0	1605.10	1418.03	1299.50	1135.28	936.78	825.40	754.00	754.00	410.41
180.0	1717.91	1586.54	1366.62	1199.54	1083.87	902.51	756.85	756.85	581.49
210.0	1783.03	1650.37	1425.03	1253.38	1129.42	927.93	777.13	674.74	528.51
240.0	1783.60	1611.81	1479.15	1264.52	1107.15	994.05	808.40	663.46	560.64
270.0	1662.36	1470.72	1352.91	1185.83	982.77	870.38	723.87	546.51	449.69
300.0	1623.24	1486.72	1308.07	1101.58	992.05	855.39	680.17	573.92	443.83
330.0	1624.09	1486.43	1262.66	1093.58	972.63	823.68	657.32	569.78	459.68
360.0	1531.13	1355.05	1227.67	1034.75	888.09	778.56	603.05	474.53	385.42
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	282.89	183.36	138.09	102.67	77.97	63.26	51.27	43.55	40.56
30.0	253.62	160.51	121.81	92.39	68.97	53.98	43.84	38.70	34.70
60.0	214.06	161.22	101.10	84.97	64.26	48.27	43.84	36.99	33.27
90.0	257.47	193.50	117.53	90.54	76.26	52.84	44.98	41.84	35.99
120.0	283.32	200.78	149.94	100.68	80.40	64.12	49.27	43.70	39.56
150.0	299.74	210.35	160.22	107.24	86.68	71.40	53.27	47.12	43.84
180.0	364.00	289.32	188.50	131.24	107.96	81.11	62.83	56.55	48.55
210.0	422.27	341.87	221.20	150.51	117.95	89.11	67.83	58.55	49.41
240.0	406.56	301.31	235.20	150.66	110.39	93.96	67.83	57.12	49.98
270.0	333.44	237.19	180.93	119.81	96.25	81.11	58.69	52.84	45.70
300.0	306.74	239.62	167.22	125.81	93.39	72.69	58.26	48.84	43.84
330.0	322.31	248.62	168.79	108.39	92.54	72.54	53.41	48.70	43.55
360.0	282.89	183.36	138.09	102.67	77.97	63.26	51.27	43.55	40.56
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	36.70	32.70	30.70	27.99	25.28	23.56	21.28	18.99	17.99
30.0	31.42	29.27	25.85	23.28	22.13	19.42	17.56	17.14	14.57
60.0	31.84	27.28	24.85	24.13	20.56	18.85	18.42	15.57	14.28
90.0	32.42	30.70	27.85	24.13	22.99	20.14	18.28	17.28	15.71
120.0	35.56	32.42	29.42	26.85	24.70	22.42	20.56	18.99	17.14
150.0	38.56	35.13	33.13	29.27	26.85	25.70	23.56	20.71	19.99
180.0	45.55	41.41	36.56	34.70	31.70	28.13	26.70	24.42	21.85
210.0	44.55	42.41	36.70	35.13	31.99	27.70	26.70	24.56	20.99
240.0	43.84	40.56	36.99	32.84	30.56	27.99	24.85	23.42	21.28
270.0	41.27	38.99	35.56	31.13	29.70	27.13	23.56	22.85	20.99
300.0	39.84	36.13	32.99	29.99	27.56	25.28	22.85	21.42	19.28
330.0	38.13	35.99	32.84	31.27	27.42	25.28	23.85	21.13	19.56
360.0	36.70	32.70	30.70	27.99	25.28	23.56	21.28	18.99	17.99

## 70W 大罩

## 光强数据表(cd)

附页 第 16页 共19页

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.42	14.71	13.71	12.42	11.28	10.71	8.71	8.71	7.71
30.0	13.28	12.71	11.00	10.14	9.28	8.28	7.71	6.43	5.71
60.0	13.99	11.71	10.71	9.85	9.00	8.28	7.00	6.28	6.57
90.0	14.14	12.71	11.71	11.28	9.71	8.85	8.85	7.71	7.00
120.0	15.99	13.99	13.57	12.42	10.71	10.57	9.57	8.43	7.71
150.0	18.28	16.42	15.42	13.99	13.00	11.42	10.14	10.00	7.71
180.0	20.56	18.85	17.14	15.14	14.57	13.28	11.57	11.00	9.71
210.0	20.28	18.56	15.85	16.42	13.71	12.00	10.85	9.71	8.57
240.0	18.85	17.71	16.14	14.28	13.14	11.71	10.85	10.14	8.28
270.0	17.71	17.56	15.85	13.14	12.71	11.28	10.00	8.85	7.71
300.0	17.71	16.42	14.99	13.85	12.14	11.57	10.71	8.28	8.43
330.0	18.42	16.85	14.57	14.14	12.85	10.57	10.42	9.42	7.14
360.0	16.42	14.71	13.71	12.42	11.28	10.71	8.71	8.71	7.71
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.57	4.71	4.86	3.14	3.00	2.14	1.29	1.57	0.00
30.0	5.71	4.43	3.71	4.14	2.57	2.14	2.28	1.14	0.71
60.0	5.14	4.71	4.71	3.86	3.43	2.28	2.43	1.57	0.71
90.0	5.71	5.71	5.14	4.14	3.57	2.86	2.57	0.86	0.00
120.0	6.71	4.71	5.00	4.14	4.28	3.57	1.57	1.86	1.14
150.0	6.57	6.85	4.86	4.00	3.86	2.57	2.14	1.14	1.00
180.0	8.71	7.71	6.71	6.14	4.86	3.71	3.71	2.86	1.00
210.0	8.00	6.71	6.00	4.71	4.57	3.86	2.43	2.57	1.86
240.0	7.43	6.43	5.71	5.00	3.71	3.71	3.00	1.71	2.00
270.0	7.43	6.00	5.43	5.43	3.71	3.71	3.14	1.71	1.86
300.0	7.28	5.43	5.28	4.28	3.43	2.43	1.71	1.86	0.86
330.0	7.43	6.28	4.43	5.28	3.57	2.71	1.43	1.14	0.43
360.0	5.57	4.71	4.86	3.14	3.00	2.14	1.29	1.57	0.00
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	0.43	0.00	0.00	0.00	0.14	0.29	0.43	0.00	0.71
30.0	0.00	0.71	0.86	0.00	1.00	1.14	0.43	1.29	1.29
60.0	0.86	0.71	0.57	1.14	0.14	0.00	0.86	0.00	0.00
90.0	0.86	0.00	0.00	0.14	0.00	0.43	0.00	0.00	1.14
120.0	0.00	0.43	0.29	0.00	0.14	0.00	0.14	0.00	0.00
150.0	0.86	0.00	1.00	0.14	0.43	0.71	1.00	1.00	1.14
180.0	1.14	0.00	0.71	0.71	0.57	0.00	0.29	0.14	1.00
210.0	0.86	0.71	0.86	0.86	0.29	0.86	0.71	1.29	0.57
240.0	1.14	0.29	0.71	0.71	0.71	0.29	0.14	0.86	0.00
270.0	1.14	0.71	0.57	0.29	0.86	0.43	0.00	0.57	1.14
300.0	0.00	1.00	0.29	0.57	0.14	0.00	0.86	0.86	0.43
330.0	0.86	0.00	1.00	0.14	0.43	0.71	1.00	1.00	1.14
360.0	0.43	0.00	0.00	0.00	0.14	0.29	0.43	0.00	0.71
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.71	0.14	0.71	0.57	0.57	0.29	0.71	0.71	0.00
30.0	1.00	1.43	1.29	1.43	1.43	1.14	1.71	1.86	1.00
60.0	0.43	0.29	0.57	0.29	0.29	1.43	0.71	0.86	0.57
90.0	0.29	0.43	1.43	1.00	1.29	1.29	1.71	1.71	0.71
120.0	0.71	0.00	0.14	0.29	0.29	0.43	0.57	0.43	1.14
150.0	0.57	1.29	1.14	1.29	1.00	1.00	0.43	0.57	0.57
180.0	0.00	0.00	0.86	0.00	0.00	0.43	0.29	0.57	0.29
210.0	0.29	1.43	1.29	1.43	1.43	0.43	1.71	1.86	1.00
240.0	0.43	0.57	0.29	0.29	0.29	1.43	0.57	0.86	0.57
270.0	0.14	0.43	1.43	1.00	1.29	0.14	1.71	1.71	0.71
300.0	0.57	0.86	0.71	0.29	0.71	0.57	0.57	0.43	1.14
330.0	0.57	1.29	1.14	1.29	1.00	0.29	0.43	0.57	0.57
360.0	0.71	0.14	0.71	0.57	0.57	0.29	0.71	0.71	0.00

## 70W 大罩

## 光强数据表(cd)

附页 第 17页 共19页

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.57	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.86
30.0	1.86	1.86	1.00	1.71	1.86	2.28	1.57	1.71	2.57
60.0	1.29	0.86	0.71	0.86	1.29	1.14	1.29	1.29	1.57
90.0	1.57	1.57	1.43	2.00	1.14	1.14	1.86	1.14	1.43
120.0	1.14	0.57	1.57	1.86	0.86	2.14	2.14	1.57	2.57
150.0	0.57	1.29	0.57	0.71	1.00	1.29	1.43	1.00	2.14
180.0	0.43	1.14	0.57	0.57	1.86	0.86	1.29	2.28	1.71
210.0	1.86	1.86	1.00	0.14	0.43	2.28	0.71	0.86	0.14
240.0	1.29	0.86	0.71	0.86	0.29	0.57	1.29	1.00	1.14
270.0	1.57	1.57	0.14	0.43	0.43	0.86	1.86	1.00	0.43
300.0	1.14	0.57	1.57	0.43	0.86	2.14	1.00	0.43	0.71
330.0	0.29	1.29	0.57	0.71	1.00	1.29	1.14	1.00	0.57
360.0	0.57	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.86
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.00	0.14	0.57	0.29	1.29	2.00	0.86	2.28	2.57
30.0	1.57	1.57	2.57	1.71	1.71	2.57	1.86	2.14	2.57
60.0	1.86	1.43	2.28	2.43	1.71	2.86	3.14	2.43	3.57
90.0	1.43	1.86	1.57	1.71	2.86	2.14	2.43	3.57	3.14
120.0	2.71	2.14	2.28	2.71	2.86	2.86	2.86	3.14	3.43
150.0	2.28	1.57	2.71	2.28	2.57	2.86	2.00	3.14	3.43
180.0	2.00	2.43	2.43	2.57	2.28	2.86	3.00	2.00	3.14
210.0	0.29	1.43	0.86	1.14	1.71	1.71	1.71	1.86	2.57
240.0	0.57	1.14	1.14	1.43	1.71	1.14	2.00	2.00	1.14
270.0	0.57	1.29	1.43	1.43	1.43	1.86	2.14	1.57	2.43
300.0	0.86	1.29	1.43	1.14	1.29	1.71	2.00	2.43	1.71
330.0	1.00	1.57	1.43	1.71	0.86	2.00	2.14	1.86	2.43
360.0	0.00	0.14	0.57	0.29	1.29	2.00	0.86	2.28	2.57
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	2.14	3.00	3.14	3.43	3.28	3.28	4.28	3.71	4.00
30.0	2.57	2.86	2.86	3.14	4.00	3.71	4.86	5.43	5.00
60.0	3.86	3.28	4.28	4.00	4.43	5.00	5.28	5.71	6.28
90.0	3.43	3.57	4.00	4.43	3.57	4.57	4.86	4.43	5.14
120.0	3.00	3.86	4.14	3.28	4.28	4.43	5.14	5.14	5.43
150.0	3.00	3.57	3.57	4.14	3.71	4.00	5.00	4.28	4.71
180.0	3.14	2.43	3.28	3.14	4.28	4.43	3.71	4.14	5.14
210.0	2.57	2.00	3.14	3.28	3.43	3.57	3.71	4.57	4.14
240.0	2.00	2.14	1.86	2.14	2.43	3.00	3.43	3.28	3.71
270.0	2.57	1.71	2.86	3.00	2.28	3.14	3.43	3.43	4.00
300.0	2.71	2.71	1.86	2.86	2.86	2.71	3.00	3.28	4.43
330.0	2.71	2.71	3.00	3.14	3.71	4.00	3.71	4.86	5.14
360.0	2.14	3.00	3.14	3.43	3.28	3.28	4.28	3.71	4.00
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	5.14	5.57	5.43	6.14	6.57	7.57	7.57	8.28	9.00
30.0	6.43	6.00	6.43	7.00	7.00	8.43	9.00	8.71	10.28
60.0	5.71	7.14	7.71	7.43	8.43	9.00	9.42	9.85	10.28
90.0	5.43	6.14	6.85	6.57	7.43	7.85	8.57	8.57	10.14
120.0	6.43	6.00	6.43	7.57	8.00	7.71	9.00	9.42	9.28
150.0	5.57	5.85	6.14	6.57	6.85	8.00	7.85	8.43	10.28
180.0	4.86	5.28	5.85	6.43	7.14	7.14	8.57	8.28	9.00
210.0	4.57	5.71	5.28	5.85	7.14	7.43	7.43	8.43	9.00
240.0	4.14	5.00	5.71	5.28	7.14	7.85	7.57	9.28	9.85
270.0	4.28	5.00	5.14	5.43	6.71	6.71	7.43	8.14	8.71
300.0	4.28	4.57	5.28	6.00	6.85	6.71	8.28	9.00	8.71
330.0	4.71	6.00	6.28	6.00	7.14	7.57	7.71	8.71	9.14
360.0	5.14	5.57	5.43	6.14	6.57	7.57	7.57	8.28	9.00

## 70W 大罩

## 光强数据表(cd)

附页 第 18页 共19页

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	9.57	10.28	12.28	12.14	12.85	14.28	15.14	16.85	16.99
30.0	11.14	10.57	12.42	13.00	12.71	14.14	14.71	14.99	15.85
60.0	11.14	11.28	11.71	13.00	12.71	13.14	14.57	14.99	14.85
90.0	10.85	10.57	11.28	13.00	12.85	13.57	14.71	15.14	15.85
120.0	10.28	10.85	11.28	11.71	12.28	13.28	13.28	13.85	15.57
150.0	10.85	10.71	12.28	12.28	13.00	13.85	14.14	14.99	15.71
180.0	10.71	10.28	11.14	11.85	11.57	13.28	13.99	13.71	15.42
210.0	9.28	10.00	10.57	11.57	11.85	12.57	14.57	15.14	16.85
240.0	10.00	10.71	11.57	12.42	12.57	12.85	14.71	15.57	17.14
270.0	9.28	9.71	10.42	11.71	11.57	12.42	14.57	14.85	16.57
300.0	10.57	11.28	11.28	12.42	13.00	13.71	14.57	15.99	17.85
330.0	10.42	10.28	10.85	12.14	12.71	12.71	13.85	15.57	17.14
360.0	9.57	10.28	12.28	12.14	12.85	14.28	15.14	16.85	16.99
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	20.28	22.28	22.85	24.99	25.85	25.42	25.99	27.42	26.85
30.0	16.57	17.85	19.71	21.56	22.99	24.70	25.28	25.85	26.28
60.0	16.14	17.42	18.85	20.85	22.56	23.56	25.13	25.56	25.28
90.0	16.42	17.99	19.56	21.13	22.99	24.42	24.85	25.85	26.28
120.0	15.28	16.71	19.71	20.14	21.85	24.42	24.28	24.70	24.99
150.0	15.85	17.85	19.28	20.71	22.99	24.28	24.42	25.70	25.99
180.0	16.28	16.85	19.28	21.13	22.28	24.42	25.28	25.28	26.13
210.0	18.71	20.85	22.56	23.56	25.13	25.28	25.70	26.42	26.56
240.0	19.71	21.71	22.85	24.56	25.42	25.28	26.56	26.99	26.56
270.0	19.85	20.56	22.28	24.28	24.28	24.99	25.99	25.85	26.28
300.0	19.85	21.56	23.71	24.70	24.99	26.42	26.85	26.56	27.70
330.0	18.99	21.13	22.71	23.71	25.13	25.28	25.70	26.85	26.56
360.0	20.28	22.28	22.85	24.99	25.85	25.42	25.99	27.42	26.85
C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	27.13	28.70	28.27	29.13	30.99	30.27	30.70	31.56	30.42
30.0	26.85	26.99	27.42	28.13	28.56	29.56	29.27	31.56	32.27
60.0	26.42	26.99	27.42	27.85	28.70	29.42	30.56	31.56	32.13
90.0	25.99	27.13	27.56	27.42	28.85	29.70	30.70	30.85	32.56
120.0	25.85	25.85	26.28	27.28	27.42	28.42	30.13	30.42	31.27
150.0	25.56	26.99	27.28	27.70	28.56	29.56	30.42	31.27	32.56
180.0	26.56	26.56	27.56	27.99	28.27	29.70	30.85	31.27	32.56
210.0	26.99	28.42	28.27	29.27	30.85	30.56	30.70	31.56	30.42
240.0	27.85	28.42	28.27	29.99	30.70	31.27	31.42	31.27	29.99
270.0	27.28	28.13	27.99	28.99	30.70	30.27	30.42	31.56	30.42
300.0	28.27	27.85	29.13	30.27	30.42	31.27	31.56	30.99	31.42
330.0	27.13	28.13	28.99	29.27	30.70	31.13	30.56	31.27	31.13
360.0	27.13	28.70	28.27	29.13	30.99	30.27	30.70	31.56	30.42
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	30.13	30.70	29.70	29.85	31.84	31.70	32.99	34.13	34.42
30.0	31.70	32.99	33.13	31.99	32.13	32.13	31.42	33.42	33.56
60.0	32.99	33.13	33.13	32.99	32.27	31.99	32.56	33.56	34.42
90.0	32.99	32.70	33.56	33.13	32.13	32.56	32.99	32.99	35.27
120.0	32.56	32.13	32.27	33.13	32.56	31.42	32.70	33.56	34.27
150.0	32.99	33.27	33.27	33.27	32.70	32.56	32.84	33.70	35.13
180.0	33.13	32.99	33.56	32.99	32.42	32.70	32.56	33.42	33.42
210.0	30.27	30.85	30.85	30.56	31.99	32.99	33.99	35.13	35.70
240.0	30.85	30.56	30.85	30.70	31.70	32.70	34.13	34.99	35.56
270.0	30.13	30.85	29.99	30.42	31.70	32.27	33.99	35.13	34.99
300.0	31.13	30.42	30.99	31.27	30.99	33.27	34.56	34.27	35.84
330.0	29.99	30.70	30.56	30.27	31.84	32.99	34.42	35.13	35.56
360.0	30.13	30.70	29.70	29.85	31.84	31.70	32.99	34.13	34.42

70W 大罩

光强数据表(cd)

附页 第 19页 共19页

<b>C/γ(°)</b>	<b>180.0</b>
<b>0.0</b>	<b>34.27</b>
<b>30.0</b>	<b>34.56</b>
<b>60.0</b>	<b>35.27</b>
<b>90.0</b>	<b>35.70</b>
<b>120.0</b>	<b>35.70</b>
<b>150.0</b>	<b>35.56</b>
<b>180.0</b>	<b>34.27</b>
<b>210.0</b>	<b>34.56</b>
<b>240.0</b>	<b>35.27</b>
<b>270.0</b>	<b>35.70</b>
<b>300.0</b>	<b>35.70</b>
<b>330.0</b>	<b>35.56</b>
<b>360.0</b>	<b>34.27</b>





苏州欧普照明有限公司实验室

<http://www.opple.com.cn/>

Email: [niefenfen@opple.com](mailto:niefenfen@opple.com)

Tel: 0512-63828888-7684

Address: 江苏省苏州市吴江区吴江市汾湖经济开发区汾杨路东侧

灯具名称: 70W

灯具描述:

报告编号:

测试编号: OPSZ201807013-04011

光源规格型号:

每个光源光通量(lm): -1.0

光源数量: 1

发光面长度(ft.): 0.000

测试模式: C

电压(V): 220.0100

电流(A): 0.3200

功率(W): 69.4000

功率因数: 0.9870

镇流器型号:

发光面宽度(ft.): 0.000

发光面高度(ft.): 0.000

## 光度结果

灯具光通量(lm): 7449.08

灯具效率(%): 0.00%

灯具效能(lm/w): 107.35

中心光强(cd): 4656.789

最大光强(cd): 4662.501

最大光强角度: C=180.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=80.2

[C90/270]Total=80.4

光束扩散角(10%Imax): [C0/180]Total=119.5

[C90/270]Total=119.5

最大允许距高比(1/2): C0\_180=1.04 C90\_270=1.03

最大允许距高比(1/4): C0\_180=1.14 C90\_270=1.13

上射光通比(%): 0.00%

下射光通比(%): 0.00%

上射光通比(占灯具): 0.45%

下射光通比(占灯具): 99.56%

CIE Type: 直接型

$\pi$ 立体角内输出光通量比: 97.077%



测试设备: GMS-2000  
环境温度(°C): 24.9

测试日期: 2018/7/3  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

70W

环带光通分布数据表

附页 第 2页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
0.0	4658.456	1.115	1.115	.000%	.015%
1.0	4656.433	8.912	10.026	.000%	.135%
2.0	4649.411	17.794	27.82	.000%	.373%
3.0	4638.701	26.622	54.442	.000%	.731%
4.0	4622.279	35.358	89.801	.000%	1.206%
5.0	4602.882	43.992	133.793	.000%	1.796%
6.0	4578.248	52.479	186.272	.000%	2.501%
7.0	4550.283	60.811	247.084	.000%	3.317%
8.0	4518.985	68.968	316.052	.000%	4.243%
9.0	4477.929	76.818	392.869	.000%	5.274%
10.0	4437.350	84.498	477.367	.000%	6.408%
11.0	4396.056	91.984	569.352	.000%	7.643%
12.0	4344.528	99.054	668.406	.000%	8.973%
13.0	4293.119	105.904	774.31	.000%	10.395%
14.0	4242.305	112.546	886.856	.000%	11.906%
15.0	4177.449	118.566	1005.421	.000%	13.497%
16.0	4120.685	124.554	1129.976	.000%	15.169%
17.0	4059.161	130.144	1260.119	.000%	16.916%
18.0	3991.925	135.275	1395.394	.000%	18.732%
19.0	3917.906	139.877	1535.272	.000%	20.610%
20.0	3850.907	144.433	1679.705	.000%	22.549%
21.0	3777.126	148.437	1828.142	.000%	24.542%
22.0	3701.917	152.074	1980.215	.000%	26.583%
23.0	3628.136	155.458	2135.673	.000%	28.670%
24.0	3547.095	158.211	2293.885	.000%	30.794%
25.0	3466.888	160.672	2454.557	.000%	32.951%
26.0	3396.795	163.291	2617.848	.000%	35.143%
27.0	3314.208	164.998	2782.846	.000%	37.358%
28.0	3232.216	166.403	2949.249	.000%	39.592%
29.0	3161.290	168.069	3117.318	.000%	41.848%
30.0	3072.991	168.493	3285.811	.000%	44.110%
31.0	2959.332	167.142	3452.953	.000%	46.354%
32.0	2890.775	167.987	3620.94	.000%	48.609%
33.0	2845.768	169.965	3790.905	.000%	50.891%
34.0	2771.678	169.964	3960.869	.000%	53.173%
35.0	2699.931	169.823	4130.691	.000%	55.452%
36.0	2623.068	169.075	4299.767	.000%	57.722%
37.0	2548.227	168.172	4467.938	.000%	59.980%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/3  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

70W

环带光通分布数据表

附页 第 3页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
38.0	2479.147	167.377	4635.315	.000%	62.227%
39.0	2410.399	166.346	4801.661	.000%	64.460%
40.0	2341.652	165.060	4966.721	.000%	66.676%
41.0	2276.462	163.778	5130.499	.000%	68.874%
42.0	2213.284	162.405	5292.904	.000%	71.054%
43.0	2150.546	160.836	5453.74	.000%	73.214%
44.0	2069.351	157.637	5611.377	.000%	75.330%
45.0	1985.728	153.977	5765.354	.000%	77.397%
46.0	1886.338	148.801	5914.155	.000%	79.394%
47.0	1785.460	143.195	6057.351	.000%	81.317%
48.0	1681.404	137.024	6194.375	.000%	83.156%
49.0	1568.900	129.845	6324.22	.000%	84.899%
50.0	1453.004	122.060	6446.28	.000%	86.538%
51.0	1350.507	115.094	6561.373	.000%	88.083%
52.0	1224.127	105.782	6667.155	.000%	89.503%
53.0	1114.716	97.626	6764.781	.000%	90.814%
54.0	1010.078	89.612	6854.393	.000%	92.017%
55.0	906.891	81.465	6935.858	.000%	93.110%
56.0	800.622	72.787	7008.645	.000%	94.087%
57.0	715.381	65.793	7074.438	.000%	94.971%
58.0	663.187	61.675	7136.113	.000%	95.799%
59.0	576.660	54.205	7190.317	.000%	96.526%
60.0	441.510	41.930	7232.247	.000%	97.089%
61.0	376.534	36.114	7268.361	.000%	97.574%
62.0	299.802	29.028	7297.389	.000%	97.964%
63.0	235.672	23.027	7320.416	.000%	98.273%
64.0	180.978	17.838	7338.254	.000%	98.512%
65.0	130.914	13.011	7351.265	.000%	98.687%
66.0	90.763	9.093	7360.358	.000%	98.809%
67.0	68.498	6.914	7367.272	.000%	98.902%
68.0	54.015	5.492	7372.764	.000%	98.975%
69.0	45.982	4.708	7377.472	.000%	99.039%
70.0	41.901	4.318	7381.79	.000%	99.097%
71.0	37.926	3.932	7385.722	.000%	99.149%
72.0	34.285	3.576	7389.298	.000%	99.197%
73.0	31.393	3.292	7392.59	.000%	99.242%
74.0	28.501	3.004	7395.594	.000%	99.282%
75.0	25.895	2.743	7398.337	.000%	99.319%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/3  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

70W

环带光通分布数据表

附页 第 4页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
76.0	23.872	2.540	7400.877	.000%	99.353%
77.0	21.563	2.304	7403.181	.000%	99.384%
78.0	19.362	2.077	7405.258	.000%	99.412%
79.0	17.743	1.910	7407.168	.000%	99.437%
80.0	15.875	1.714	7408.882	.000%	99.460%
81.0	13.971	1.513	7410.396	.000%	99.481%
82.0	12.638	1.372	7411.768	.000%	99.499%
83.0	10.984	1.196	7412.964	.000%	99.515%
84.0	9.306	1.015	7413.978	.000%	99.529%
85.0	7.949	0.868	7414.847	.000%	99.540%
86.0	6.176	0.676	7415.522	.000%	99.549%
87.0	4.831	0.529	7416.052	.000%	99.557%
88.0	3.392	0.372	7416.423	.000%	99.562%
89.0	1.952	0.214	7416.637	.000%	99.564%
90.0	1.107	0.121	7416.759	.000%	99.566%
91.0	0.916	0.100	7416.859	.000%	99.567%
92.0	0.940	0.103	7416.962	.000%	99.569%
93.0	1.142	0.125	7417.087	.000%	99.570%
94.0	1.190	0.130	7417.217	.000%	99.572%
95.0	0.809	0.088	7417.306	.000%	99.573%
96.0	0.893	0.097	7417.403	.000%	99.575%
97.0	1.000	0.109	7417.512	.000%	99.576%
98.0	1.202	0.131	7417.642	.000%	99.578%
99.0	1.131	0.122	7417.765	.000%	99.580%
100.0	1.071	0.116	7417.881	.000%	99.581%
101.0	1.238	0.133	7418.014	.000%	99.583%
102.0	1.226	0.131	7418.145	.000%	99.585%
103.0	0.952	0.102	7418.247	.000%	99.586%
104.0	1.154	0.123	7418.37	.000%	99.588%
105.0	1.642	0.174	7418.544	.000%	99.590%
106.0	1.214	0.128	7418.672	.000%	99.592%
107.0	1.464	0.153	7418.825	.000%	99.594%
108.0	1.380	0.144	7418.969	.000%	99.596%
109.0	1.416	0.147	7419.116	.000%	99.598%
110.0	1.607	0.166	7419.282	.000%	99.600%
111.0	1.428	0.146	7419.428	.000%	99.602%
112.0	1.630	0.166	7419.594	.000%	99.604%
113.0	1.797	0.181	7419.775	.000%	99.607%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/3  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

70W

环带光通分布数据表

附页 第 5页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
114.0	1.737	0.174	7419.949	.000%	99.609%
115.0	1.773	0.176	7420.125	.000%	99.611%
116.0	2.047	0.202	7420.327	.000%	99.614%
117.0	2.083	0.203	7420.53	.000%	99.617%
118.0	2.047	0.198	7420.729	.000%	99.619%
119.0	2.202	0.211	7420.94	.000%	99.622%
120.0	2.332	0.222	7421.161	.000%	99.625%
121.0	2.356	0.221	7421.383	.000%	99.628%
122.0	2.404	0.224	7421.606	.000%	99.631%
123.0	2.487	0.229	7421.835	.000%	99.634%
124.0	2.678	0.243	7422.078	.000%	99.637%
125.0	2.797	0.251	7422.33	.000%	99.641%
126.0	2.725	0.242	7422.571	.000%	99.644%
127.0	3.082	0.270	7422.841	.000%	99.648%
128.0	3.154	0.273	7423.114	.000%	99.651%
129.0	3.237	0.276	7423.39	.000%	99.655%
130.0	3.546	0.298	7423.688	.000%	99.659%
131.0	3.796	0.314	7424.002	.000%	99.663%
132.0	4.022	0.328	7424.33	.000%	99.668%
133.0	4.320	0.346	7424.676	.000%	99.672%
134.0	4.486	0.354	7425.03	.000%	99.677%
135.0	5.022	0.389	7425.419	.000%	99.682%
136.0	5.319	0.405	7425.825	.000%	99.688%
137.0	5.688	0.425	7426.25	.000%	99.693%
138.0	6.129	0.450	7426.7	.000%	99.700%
139.0	6.450	0.464	7427.164	.000%	99.706%
140.0	6.878	0.485	7427.649	.000%	99.712%
141.0	7.545	0.521	7428.169	.000%	99.719%
142.0	7.723	0.521	7428.691	.000%	99.726%
143.0	8.306	0.548	7429.239	.000%	99.734%
144.0	8.878	0.572	7429.811	.000%	99.741%
145.0	9.187	0.578	7430.389	.000%	99.749%
146.0	9.711	0.595	7430.984	.000%	99.757%
147.0	10.103	0.603	7431.588	.000%	99.765%
148.0	10.496	0.610	7432.198	.000%	99.773%
149.0	10.912	0.616	7432.814	.000%	99.782%
150.0	11.496	0.630	7433.444	.000%	99.790%
151.0	12.436	0.661	7434.106	.000%	99.799%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/3  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

70W

环带光通分布数据表

附页 第 6页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
152.0	13.328	0.686	7434.792	.000%	99.808%
153.0	14.161	0.705	7435.497	.000%	99.818%
154.0	15.732	0.756	7436.253	.000%	99.828%
155.0	16.886	0.783	7437.036	.000%	99.838%
156.0	17.565	0.783	7437.819	.000%	99.849%
157.0	18.790	0.805	7438.624	.000%	99.860%
158.0	19.540	0.803	7439.427	.000%	99.870%
159.0	19.814	0.779	7440.206	.000%	99.881%
160.0	20.337	0.763	7440.968	.000%	99.891%
161.0	20.409	0.729	7441.697	.000%	99.901%
162.0	20.504	0.695	7442.392	.000%	99.910%
163.0	20.897	0.670	7443.062	.000%	99.919%
164.0	21.254	0.642	7443.704	.000%	99.928%
165.0	21.730	0.617	7444.321	.000%	99.936%
166.0	22.253	0.590	7444.911	.000%	99.944%
167.0	22.956	0.566	7445.478	.000%	99.952%
168.0	23.396	0.533	7446.011	.000%	99.959%
169.0	23.848	0.499	7446.51	.000%	99.965%
170.0	24.193	0.461	7446.971	.000%	99.972%
171.0	24.538	0.421	7447.392	.000%	99.977%
172.0	24.348	0.372	7447.763	.000%	99.982%
173.0	24.324	0.325	7448.088	.000%	99.987%
174.0	24.181	0.277	7448.366	.000%	99.990%
175.0	24.074	0.230	7448.596	.000%	99.993%
176.0	24.574	0.188	7448.784	.000%	99.996%
177.0	25.324	0.145	7448.929	.000%	99.998%
178.0	25.490	0.098	7449.026	.000%	99.999%
179.0	26.085	0.050	7449.076	.000%	100.000%
180.0	26.561	0.006	7449.083	.000%	100.000%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/3  
环境湿度(%): 55.0%

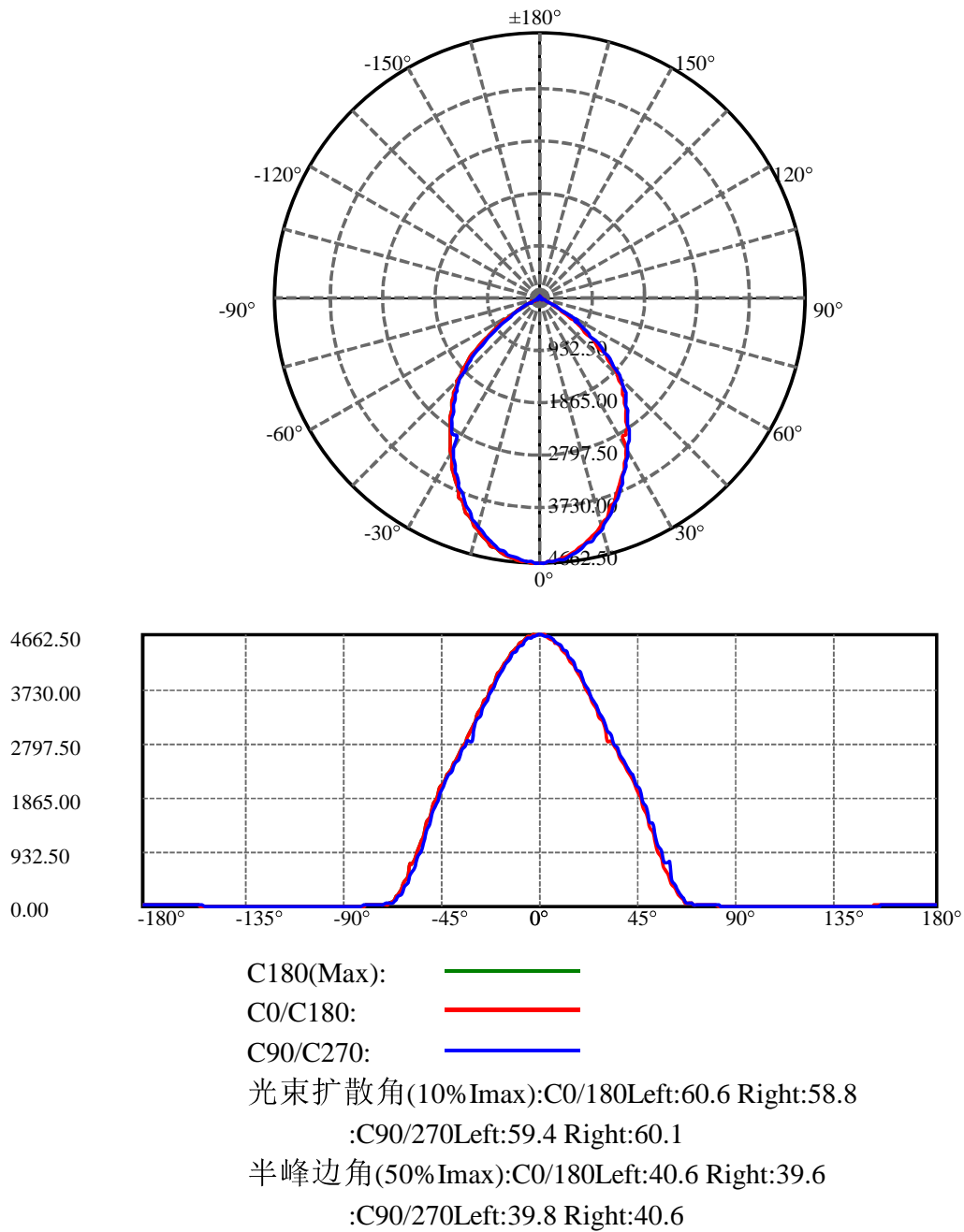
测试人员: Evan  
测试距离(m): 11.95

## ZONAL LUMEN SUMMARY

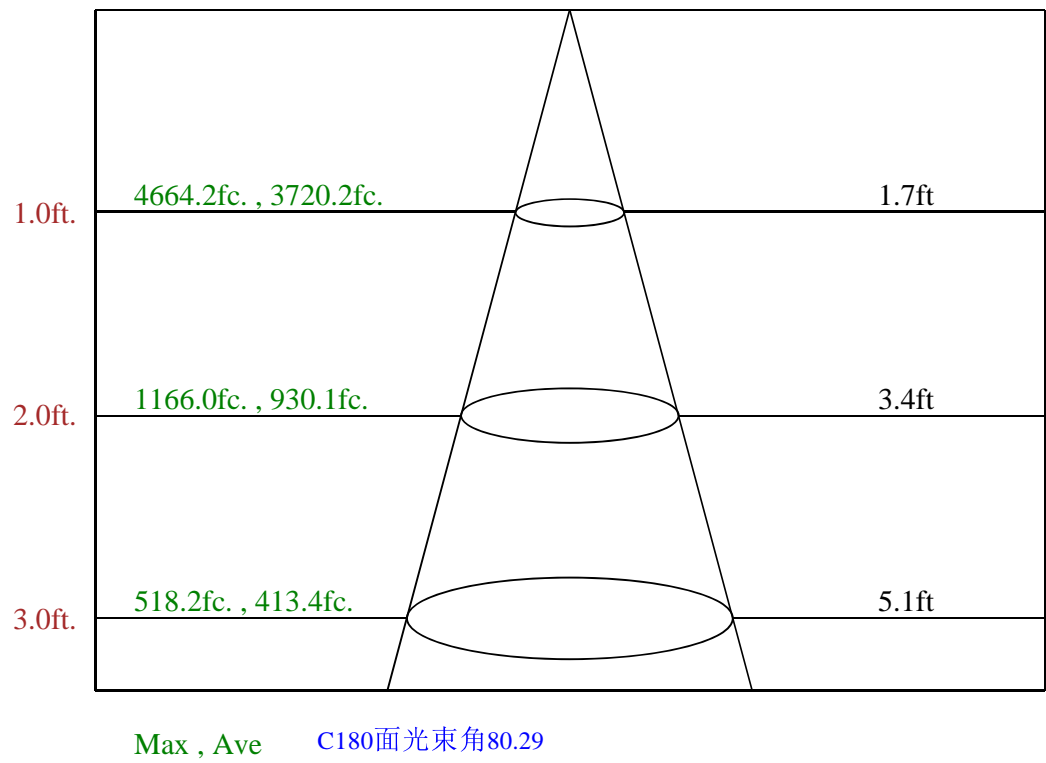
Zone	Lumens	%Lamp	%Fixt
0-30	3285.81	N.A.	44.11%
0-40	4966.72	N.A.	66.68%
0-60	7232.25	N.A.	97.09%
0-90	7416.76	N.A.	99.57%
0-120	7421.16	N.A.	99.63%
0-180	7449.08	N.A.	100.00%
60-90	226.44	N.A.	3.04%
90-120	4.52	N.A.	0.06%
90-130	7.05	N.A.	0.09%
90-150	16.81	N.A.	0.23%
90-180	32.44	N.A.	0.44%
0-46.32	5959.27	N.A.	80.00%

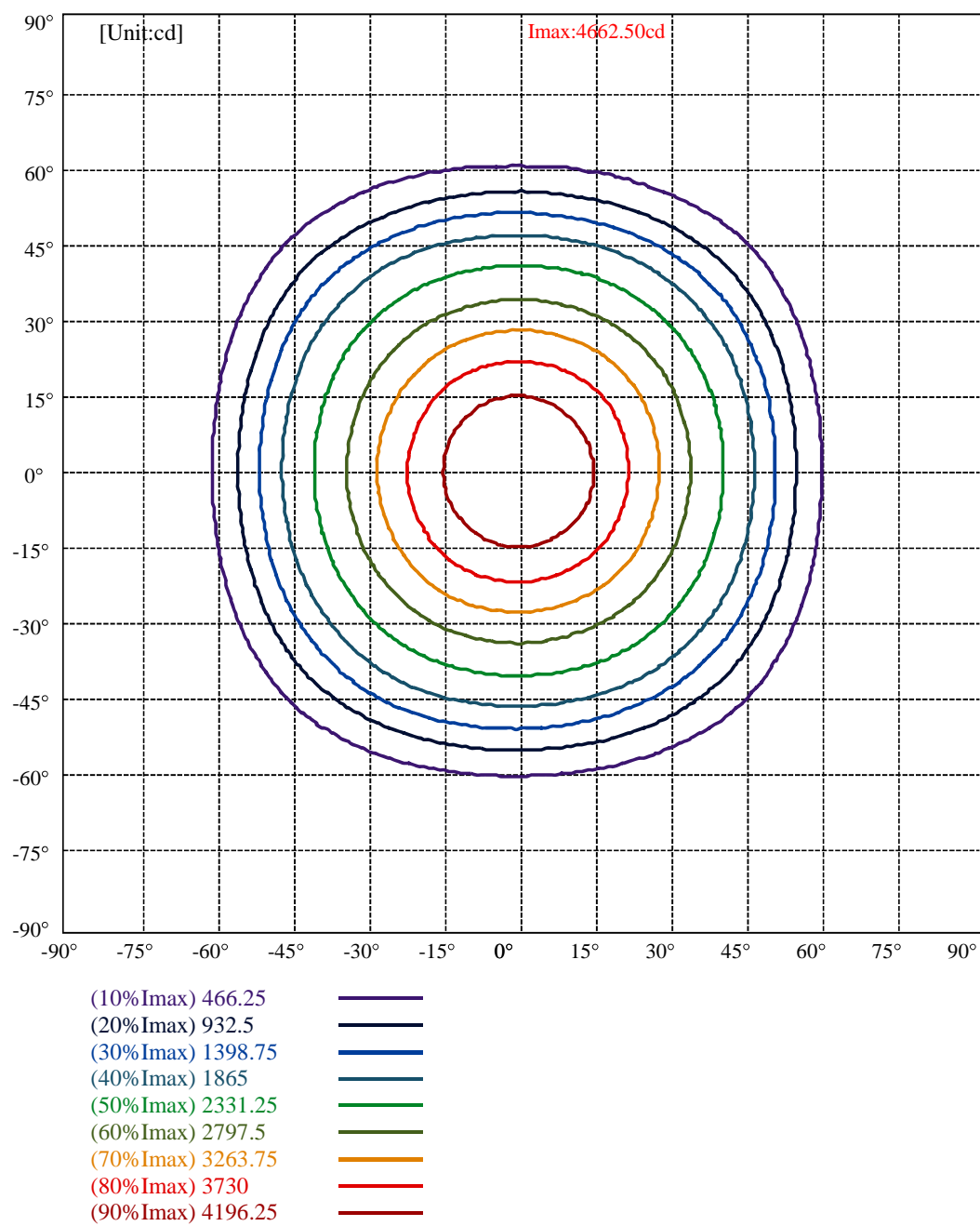
## ZONAL LUMEN SUMMARY

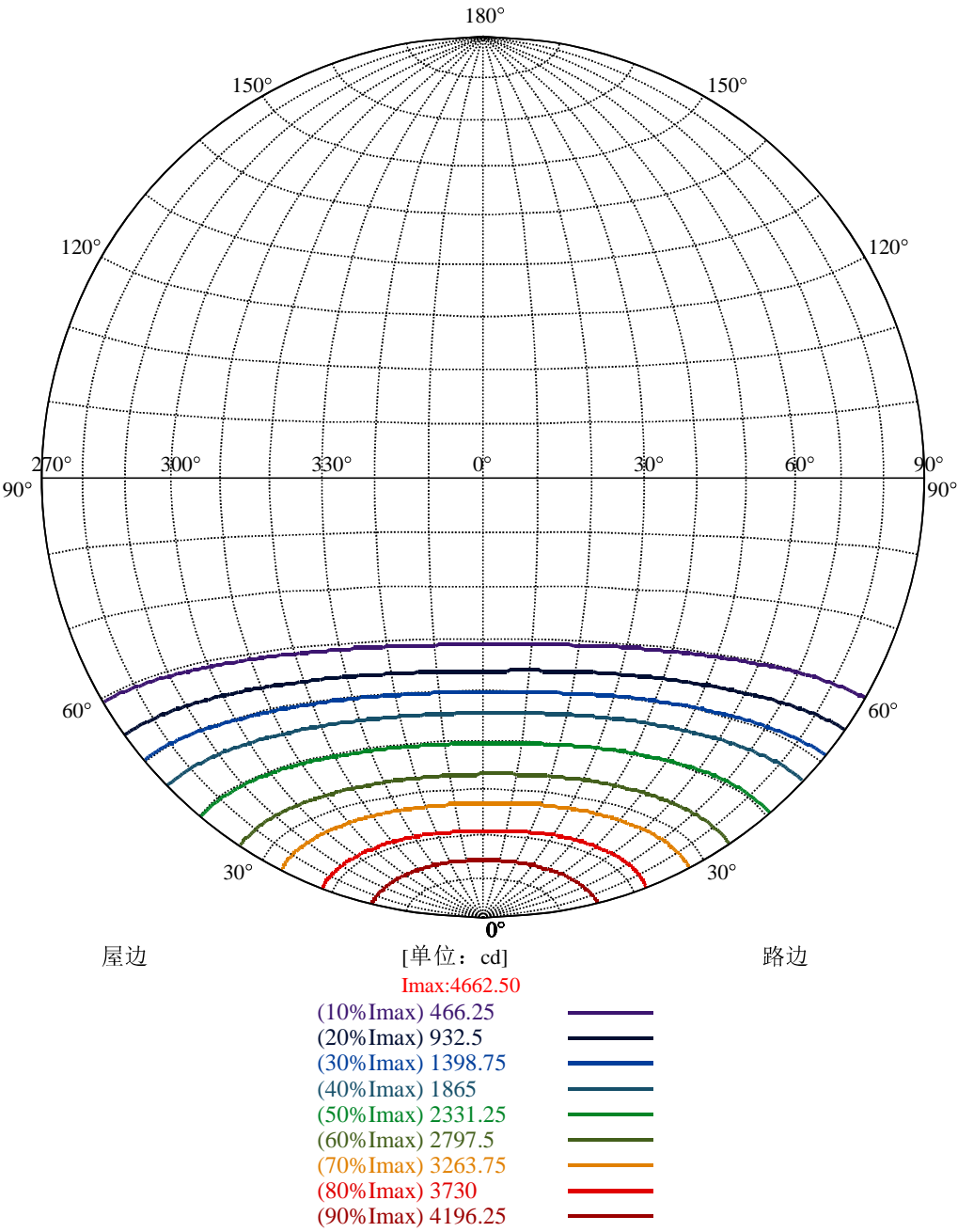
0-10	477.37
10-20	1202.34
20-30	1606.11
30-40	1680.91
40-50	1479.56
50-60	785.97
60-70	149.54
70-80	27.09
80-90	7.88
90-100	1.12
100-110	1.40
110-120	1.88
120-130	2.53
130-140	3.96
140-150	5.80
150-160	7.52
160-170	6.00
170-180	2.11

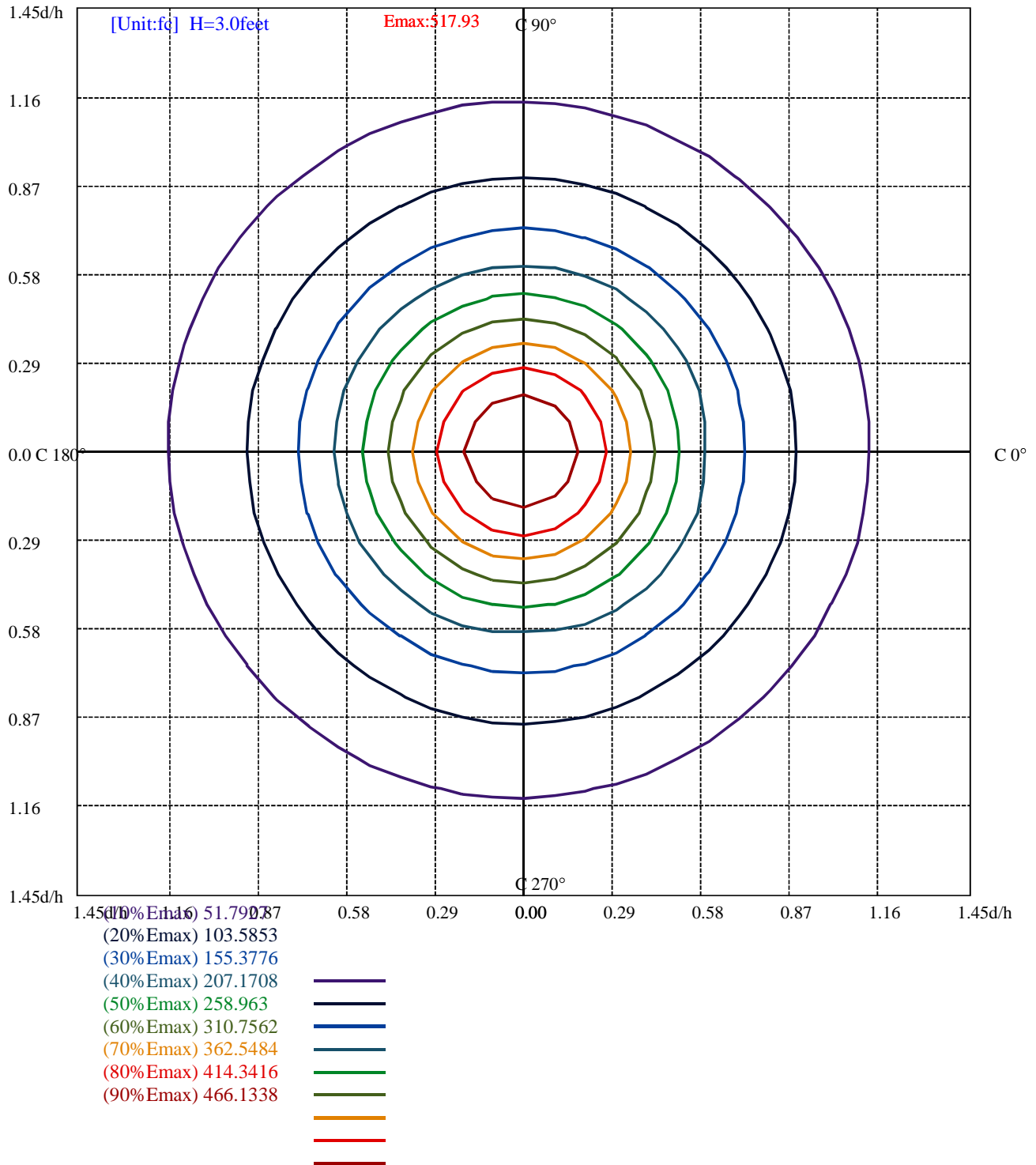


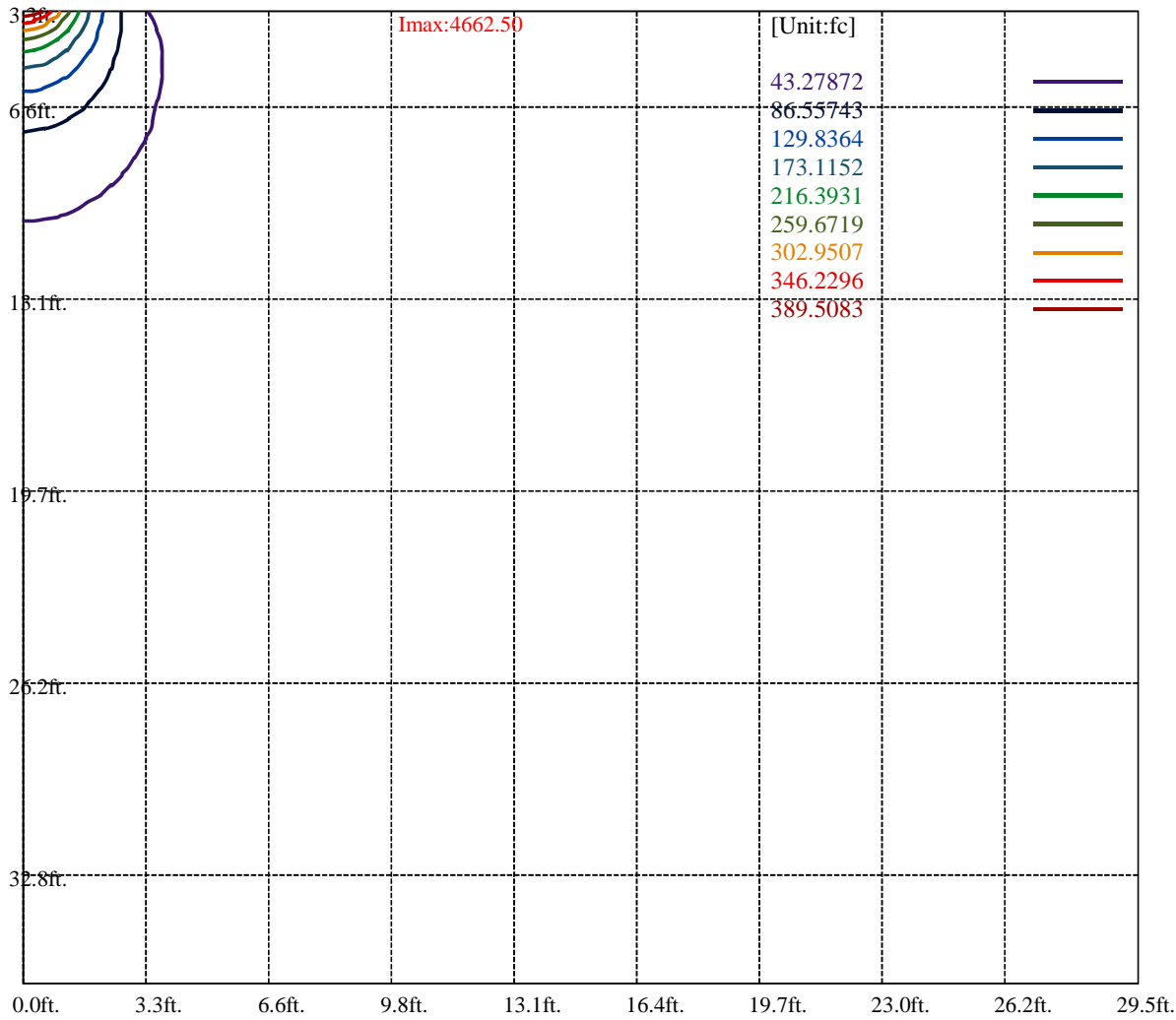












70W

光强数据表(cd)

附页 第 14页 共19页

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	4656.79	4656.79	4649.65	4633.94	4609.66	4589.67	4563.97	4523.98	4505.42
30.0	4659.65	4655.36	4648.22	4633.94	4615.38	4599.67	4566.82	4542.55	4508.27
60.0	4659.65	4656.79	4649.65	4635.37	4621.09	4602.52	4569.68	4548.26	4513.99
90.0	4656.79	4655.36	4646.79	4639.65	4625.37	4606.81	4588.24	4553.97	4522.56
120.0	4653.93	4655.36	4649.65	4641.08	4631.09	4609.66	4586.82	4566.82	4528.27
150.0	4661.07	4661.07	4658.22	4651.08	4641.08	4621.09	4598.24	4578.25	4541.12
180.0	4662.50	4662.50	4661.07	4649.65	4636.80	4623.94	4596.81	4571.11	4549.69
210.0	4659.65	4658.22	4652.51	4641.08	4623.94	4615.38	4586.82	4559.68	4526.84
240.0	4659.65	4655.36	4648.22	4641.08	4621.09	4601.10	4581.10	4552.54	4519.70
270.0	4656.79	4653.93	4645.37	4635.37	4615.38	4593.96	4573.96	4545.40	4502.56
300.0	4653.93	4649.65	4638.23	4629.66	4612.52	4585.39	4563.97	4531.12	4505.42
330.0	4661.07	4656.79	4645.37	4632.51	4613.95	4585.39	4562.54	4529.70	4503.99
360.0	4656.79	4656.79	4649.65	4633.94	4609.66	4589.67	4563.97	4523.98	4505.42
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4456.87	4399.75	4362.62	4309.78	4255.51	4212.67	4136.99	4074.16	4024.17
30.0	4458.29	4428.31	4379.75	4316.92	4275.51	4218.39	4145.56	4099.86	4034.17
60.0	4466.86	4435.45	4389.75	4326.92	4288.36	4232.67	4159.84	4129.85	4049.88
90.0	4475.43	4445.44	4401.17	4364.04	4299.78	4244.09	4201.25	4125.56	4062.73
120.0	4491.14	4464.01	4411.17	4374.04	4325.49	4258.37	4215.53	4154.12	4075.58
150.0	4508.27	4479.71	4426.88	4378.32	4339.77	4285.50	4212.67	4166.98	4087.01
180.0	4516.84	4468.29	4436.87	4376.90	4338.34	4284.08	4211.25	4165.55	4101.29
210.0	4492.57	4441.16	4408.31	4361.19	4295.50	4268.37	4196.97	4149.84	4088.44
240.0	4482.57	4442.59	4411.17	4349.76	4298.36	4245.52	4186.97	4125.56	4078.44
270.0	4474.00	4422.59	4375.47	4339.77	4286.93	4231.24	4172.69	4109.86	4061.30
300.0	4456.87	4411.17	4375.47	4325.49	4258.37	4214.10	4138.42	4074.16	4024.17
330.0	4455.44	4409.74	4374.04	4311.21	4255.51	4212.67	4151.27	4072.73	4022.75
360.0	4456.87	4399.75	4362.62	4309.78	4255.51	4212.67	4136.99	4074.16	4024.17
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3939.92	3868.52	3814.25	3722.86	3647.18	3588.63	3491.52	3414.41	3354.43
30.0	3985.62	3899.94	3829.96	3774.27	3682.88	3605.76	3548.64	3450.11	3370.14
60.0	3982.76	3932.78	3841.39	3768.56	3712.87	3617.19	3538.65	3481.52	3381.56
90.0	4011.32	3924.21	3854.24	3798.55	3707.15	3628.61	3571.49	3472.96	3412.98
120.0	4024.17	3955.63	3865.66	3809.97	3735.71	3678.59	3582.91	3504.37	3444.40
150.0	4037.03	3967.05	3879.94	3824.25	3748.57	3654.32	3594.34	3518.65	3457.25
180.0	4035.60	3984.19	3897.08	3822.82	3765.70	3671.45	3592.91	3535.79	3435.83
210.0	4005.61	3937.06	3882.80	3792.83	3735.71	3657.17	3560.07	3501.52	3420.12
240.0	3995.61	3908.50	3872.80	3781.41	3724.29	3648.60	3551.50	3471.53	3411.55
270.0	3977.05	3905.65	3851.38	3758.56	3682.88	3624.33	3527.22	3447.25	3387.28
300.0	3954.20	3867.09	3811.40	3737.14	3642.89	3584.34	3505.80	3405.84	3345.86
330.0	3954.20	3864.24	3809.97	3734.29	3637.18	3578.63	3500.09	3398.70	3340.15
360.0	3939.92	3868.52	3814.25	3722.86	3647.18	3588.63	3491.52	3414.41	3354.43
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	3255.90	3194.49	3115.95	3017.42	2847.48	2847.48	2807.35	2749.80	2653.98
30.0	3311.59	3210.20	3131.66	3071.68	2993.14	2896.03	2837.49	2760.37	2667.55
60.0	3323.01	3243.04	3144.51	3083.11	3004.56	2906.03	2848.91	2771.80	2716.10
90.0	3334.44	3254.47	3197.35	3097.39	3001.71	2946.02	2868.90	2791.79	2716.10
120.0	3345.86	3265.89	3205.92	3105.95	3027.41	2970.29	2876.04	2800.36	2741.81
150.0	3377.28	3275.89	3215.91	3115.95	3038.84	2977.43	2901.75	2804.64	2748.95
180.0	3377.28	3295.88	3195.92	3135.94	3055.97	2957.44	2898.89	2821.78	2726.10
210.0	3320.16	3258.75	3178.78	3078.82	3017.42	2831.63	2831.63	2792.65	2715.10
240.0	3310.16	3251.61	3171.64	3070.25	3010.28	2841.77	2841.77	2781.79	2702.54
270.0	3285.89	3205.92	3147.37	3047.41	2837.91	2837.91	2837.91	2739.81	2681.55
300.0	3268.75	3170.22	3110.24	3031.70	2842.91	2842.91	2803.07	2726.39	2668.55
330.0	3260.18	3160.22	3120.23	3020.27	2834.34	2834.34	2795.50	2718.96	2660.84
360.0	3255.90	3194.49	3115.95	3017.42	2847.48	2847.48	2807.35	2749.80	2653.98

70W

光强数据表(cd)

附页 第 15页 共19页

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	2579.87	2526.03	2439.35	2371.81	2305.55	2240.14	2173.74	2123.19	2019.66
30.0	2611.86	2539.03	2453.35	2401.94	2336.25	2256.28	2209.15	2143.47	2043.50
60.0	2623.28	2534.74	2500.47	2414.79	2350.53	2301.98	2220.58	2153.46	2099.20
90.0	2643.27	2583.30	2496.19	2427.64	2379.09	2294.84	2244.86	2179.17	2093.48
120.0	2647.56	2573.30	2520.46	2436.21	2366.24	2317.68	2252.00	2172.03	2122.05
150.0	2671.83	2580.44	2526.18	2456.20	2387.66	2320.54	2256.28	2206.30	2123.47
180.0	2667.55	2594.72	2503.33	2450.49	2381.95	2297.69	2249.14	2182.02	2113.48
210.0	2657.13	2563.16	2490.19	2436.50	2350.10	2280.98	2212.30	2143.89	2073.78
240.0	2607.86	2550.45	2478.77	2391.51	2339.25	2270.99	2203.73	2152.03	2065.64
270.0	2605.86	2514.04	2461.63	2392.80	2308.83	2258.85	2192.02	2142.32	2050.50
300.0	2592.29	2521.18	2433.64	2383.80	2299.26	2232.86	2183.02	2114.62	1999.24
330.0	2568.45	2498.33	2446.21	2361.10	2295.12	2244.71	2162.60	2094.06	2028.22
360.0	2579.87	2526.03	2439.35	2371.81	2305.55	2240.14	2173.74	2123.19	2019.66
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1920.41	1843.29	1712.06	1601.24	1514.99	1369.33	1279.51	1162.13	1021.47
30.0	1967.82	1867.86	1737.91	1657.94	1542.27	1423.74	1333.78	1185.26	1098.15
60.0	1980.67	1879.28	1797.88	1656.51	1543.70	1458.01	1316.64	1200.97	1118.14
90.0	2033.51	1932.12	1800.74	1719.34	1605.10	1462.30	1405.18	1265.23	1129.57
120.0	2054.93	1940.69	1866.43	1766.47	1635.09	1550.84	1436.59	1289.51	1199.54
150.0	2056.36	1994.95	1876.42	1775.04	1699.35	1562.26	1448.02	1360.91	1213.82
180.0	2063.50	1956.39	1857.86	1777.89	1645.08	1532.27	1449.45	1309.50	1199.54
210.0	2015.66	1898.27	1796.17	1714.06	1576.25	1464.87	1380.47	1270.09	1136.71
240.0	1955.39	1882.14	1782.46	1703.21	1567.83	1454.87	1367.19	1221.39	1105.01
270.0	1954.68	1830.44	1752.76	1645.94	1563.97	1420.03	1302.50	1155.84	1069.31
300.0	1923.98	1789.17	1734.91	1593.39	1452.16	1368.48	1256.66	1118.43	1040.46
330.0	1901.84	1821.45	1709.92	1565.83	1481.00	1369.05	1230.10	1150.27	1044.89
360.0	1920.41	1843.29	1712.06	1601.24	1514.99	1369.33	1279.51	1162.13	1021.47
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	913.22	833.54	709.44	638.61	551.22	450.26	373.71	318.74	253.05
30.0	985.34	852.53	776.85	726.86	726.86	499.09	420.84	329.45	278.89
60.0	986.77	886.80	812.55	739.72	739.72	524.80	419.27	398.42	286.03
90.0	1051.03	948.21	819.69	745.43	745.43	524.80	419.27	398.42	286.03
120.0	1082.44	942.50	861.10	761.14	736.86	736.86	497.10	437.55	360.72
150.0	1096.72	1012.47	876.81	776.85	725.44	725.44	499.67	440.40	365.43
180.0	1116.72	986.77	883.95	811.12	736.86	736.86	520.23	434.12	373.57
210.0	1057.60	956.21	831.82	756.57	658.03	541.22	474.53	391.85	298.46
240.0	1020.32	885.09	782.41	708.59	616.62	512.66	452.40	376.71	289.03
270.0	957.35	876.66	773.13	653.32	589.63	508.23	412.27	358.15	272.04
300.0	937.78	862.24	739.29	645.32	577.64	471.53	390.85	333.02	246.33
330.0	915.65	839.68	740.43	621.05	553.93	467.54	366.29	311.45	243.91
360.0	913.22	833.54	709.44	638.61	551.22	450.26	373.71	318.74	253.05
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	208.78	146.23	104.39	68.97	58.26	51.27	46.70	41.98	38.27
30.0	218.49	177.08	119.24	83.25	64.69	52.69	46.84	42.98	38.70
60.0	221.06	177.50	118.95	84.54	66.40	52.69	46.70	42.70	38.41
90.0	259.19	184.36	143.94	93.54	67.55	55.41	47.55	42.70	38.70
120.0	272.61	224.49	169.51	112.53	84.82	59.55	47.12	43.13	38.84
150.0	279.89	232.48	176.79	117.38	87.25	59.41	45.84	40.56	36.41
180.0	281.89	202.49	159.80	112.81	77.26	58.83	43.27	37.27	34.70
210.0	247.48	186.93	124.24	102.53	65.26	47.41	42.70	38.13	34.56
240.0	240.48	183.64	124.24	93.96	65.69	50.69	45.27	40.70	36.56
270.0	212.35	173.36	126.38	80.40	64.12	54.12	46.13	43.70	39.84
300.0	186.64	147.80	106.53	72.69	61.41	53.69	47.98	44.13	40.27
330.0	199.21	135.38	96.96	66.55	59.26	52.41	45.70	44.84	39.84
360.0	208.78	146.23	104.39	68.97	58.26	51.27	46.70	41.98	38.27

70W

光强数据表(cd)

附页 第 16页 共19页

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	34.99	31.84	29.13	26.28	23.99	21.56	19.14	17.28	15.57
30.0	35.13	32.13	28.85	26.13	23.99	21.28	19.28	17.42	14.99
60.0	34.99	31.99	29.13	26.42	23.99	21.85	19.71	17.56	15.99
90.0	35.27	32.27	29.13	26.70	24.85	22.13	20.14	18.56	16.28
120.0	34.27	31.99	29.27	25.99	24.56	22.42	19.28	18.71	16.85
150.0	32.84	29.85	27.13	24.99	22.28	20.42	18.71	16.71	15.14
180.0	30.13	27.28	24.70	22.28	21.28	19.42	16.57	16.14	14.42
210.0	31.42	28.56	25.28	23.71	21.71	19.28	17.42	16.42	14.99
240.0	33.42	30.42	27.70	25.28	22.99	20.85	20.28	17.14	15.57
270.0	34.84	33.27	30.42	26.28	25.28	23.13	19.71	19.14	17.28
300.0	36.70	33.70	30.70	28.13	25.56	23.42	20.99	18.99	16.85
330.0	37.41	33.42	30.56	28.56	25.99	22.99	21.13	18.85	16.57
360.0	34.99	31.84	29.13	26.28	23.99	21.56	19.14	17.28	15.57
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.28	12.14	10.28	8.28	6.85	5.00	3.86	2.43	0.43
30.0	13.42	11.71	10.00	8.71	6.85	5.43	4.43	2.43	1.14
60.0	13.71	12.14	11.28	9.00	7.71	6.85	5.00	3.57	2.28
90.0	14.57	13.42	11.71	10.42	8.43	7.71	6.14	4.28	3.14
120.0	15.14	14.57	11.71	10.14	9.71	6.85	5.28	5.00	2.28
150.0	13.71	12.57	11.42	9.42	8.28	7.57	5.85	4.71	3.57
180.0	12.14	11.42	10.00	8.43	7.43	6.00	5.00	3.71	2.28
210.0	13.28	12.00	10.71	9.57	7.57	6.00	5.57	2.86	1.43
240.0	14.57	12.14	11.28	9.42	7.71	6.28	4.57	3.43	1.71
270.0	13.99	13.28	11.42	9.42	9.00	5.57	3.86	3.28	0.29
300.0	14.85	13.14	11.57	9.28	8.14	6.28	4.28	2.71	1.29
330.0	14.99	13.14	10.42	9.57	7.71	4.57	4.14	2.28	3.57
360.0	13.28	12.14	10.28	8.28	6.85	5.00	3.86	2.43	0.43
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	1.14	0.86	0.00	0.57	0.29	0.00	0.00	0.00	0.00
30.0	1.71	0.86	1.00	1.86	1.43	1.57	1.71	1.00	2.00
60.0	0.57	1.57	1.71	1.00	1.86	0.71	1.43	1.71	1.71
90.0	1.71	1.57	1.57	1.29	1.71	1.86	0.71	1.71	1.57
120.0	0.57	0.86	0.43	0.57	0.57	0.71	0.43	0.43	0.43
150.0	2.28	1.71	1.14	1.71	1.71	0.71	1.29	1.57	1.43
180.0	1.71	0.57	0.43	0.57	0.29	0.71	1.00	0.43	1.14
210.0	1.00	0.57	1.00	1.86	1.43	1.57	1.71	1.00	2.00
240.0	0.57	0.86	1.71	1.00	1.00	0.14	0.43	0.43	1.71
270.0	0.29	0.29	1.57	1.29	1.71	0.29	0.71	1.71	0.57
300.0	1.00	0.71	0.43	1.00	0.57	0.71	0.57	0.43	0.43
330.0	0.71	0.57	0.29	1.00	1.71	0.71	0.71	1.57	1.43
360.0	1.14	0.86	0.00	0.57	0.29	0.00	0.00	0.00	0.00
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.43
30.0	2.00	1.57	2.00	2.14	2.00	2.00	2.14	2.57	2.57
60.0	1.86	1.43	1.29	2.14	1.29	2.14	2.00	1.43	2.00
90.0	0.71	1.43	1.29	0.86	1.00	1.00	1.86	1.29	1.29
120.0	1.14	0.71	0.86	0.86	1.14	1.43	1.00	1.57	2.00
150.0	1.71	1.29	1.29	2.00	1.14	1.29	2.14	1.14	1.29
180.0	1.43	0.71	1.86	1.86	1.14	2.28	2.43	1.86	2.00
210.0	2.00	1.57	2.00	0.14	0.43	2.00	2.14	0.86	2.57
240.0	0.71	0.71	1.29	1.00	0.86	0.43	1.00	1.00	0.71
270.0	0.71	1.43	0.86	0.86	0.14	0.29	1.86	0.57	0.71
300.0	1.14	0.71	0.86	0.86	1.14	0.57	1.00	1.57	1.14
330.0	0.14	1.29	1.29	2.00	1.14	0.43	2.14	0.57	0.86
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.43



70W

光强数据表(cd)

附页 第 17页 共19页

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.00	0.71	1.00	0.00	1.14	1.29	0.86	1.29	1.43
30.0	1.86	2.86	2.71	1.86	2.71	2.57	2.00	2.57	2.43
60.0	1.86	1.86	1.86	2.00	1.71	2.57	2.86	2.14	3.28
90.0	1.57	1.43	1.86	2.28	1.71	2.86	3.00	2.14	3.28
120.0	1.29	2.57	2.57	1.71	2.86	3.00	2.43	2.71	3.14
150.0	2.14	1.29	1.43	2.14	2.00	1.71	2.00	2.14	2.28
180.0	2.43	2.28	2.57	2.28	2.86	3.00	2.43	3.14	3.14
210.0	0.29	1.14	0.71	0.86	0.86	1.29	1.29	0.57	1.43
240.0	1.00	0.71	1.14	0.57	0.43	1.14	1.29	0.43	1.43
270.0	1.57	1.00	1.00	0.29	1.14	1.29	0.86	1.29	1.43
300.0	0.43	0.57	1.00	1.00	1.14	0.57	1.29	1.43	1.14
330.0	2.14	0.57	1.43	2.14	1.00	0.29	0.57	1.43	0.14
360.0	0.00	0.71	1.00	0.00	1.14	1.29	0.86	1.29	1.43
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	1.43	1.71	1.43	2.00	2.14	1.57	2.43	2.57	1.86
30.0	2.43	2.43	2.43	2.43	3.14	2.57	2.57	3.00	3.00
60.0	3.43	2.86	3.71	3.57	3.57	3.71	3.28	3.86	4.00
90.0	3.43	3.14	3.43	3.14	3.71	3.00	2.71	3.71	3.71
120.0	3.14	3.28	3.14	3.57	3.57	2.86	3.71	3.71	2.71
150.0	2.00	2.00	2.71	2.14	2.14	3.28	2.57	2.57	3.86
180.0	2.14	3.00	3.00	2.14	3.00	2.86	2.71	3.71	2.86
210.0	1.43	1.29	1.86	1.29	1.29	2.14	1.29	1.43	2.28
240.0	1.29	0.57	1.43	1.57	0.86	1.57	1.57	1.57	1.71
270.0	1.43	1.43	1.43	2.00	1.57	2.43	2.57	1.86	2.86
300.0	1.57	1.29	1.14	2.00	1.14	1.14	2.00	1.43	1.86
330.0	1.29	1.57	0.71	2.14	2.14	1.71	2.43	2.71	2.86
360.0	1.43	1.71	1.43	2.00	2.14	1.57	2.43	2.57	1.86
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	2.86	2.86	2.28	3.71	3.14	3.28	4.28	3.57	3.86
30.0	3.28	3.14	3.86	4.14	3.57	4.86	5.28	4.57	5.00
60.0	3.00	4.00	4.00	3.43	4.00	4.14	4.57	5.14	4.71
90.0	2.86	3.71	3.57	3.57	3.71	3.86	4.71	4.43	4.71
120.0	3.57	3.57	3.14	3.71	3.71	4.14	4.14	4.43	4.57
150.0	3.00	3.28	3.57	3.28	4.14	3.57	3.86	5.28	4.71
180.0	2.71	3.71	3.00	3.28	3.86	3.86	4.14	4.28	4.43
210.0	1.71	2.14	2.28	2.71	3.14	2.71	4.14	4.43	3.86
240.0	2.00	2.28	2.28	2.43	3.28	2.86	3.00	4.43	3.71
270.0	3.00	2.86	3.57	3.14	3.14	4.14	3.57	3.71	4.71
300.0	1.86	2.57	2.71	2.43	2.86	4.14	3.28	4.00	5.14
330.0	2.86	2.86	3.57	3.00	4.00	4.00	3.28	3.57	4.43
360.0	2.86	2.86	2.28	3.71	3.14	3.28	4.28	3.57	3.86
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	5.00	4.43	4.86	5.71	5.71	6.14	6.71	7.14	7.43
30.0	6.28	5.85	6.43	7.43	7.28	7.85	8.14	8.71	9.14
60.0	5.14	5.57	5.85	6.43	6.28	7.43	8.00	7.43	9.00
90.0	6.14	5.71	6.00	5.85	6.28	7.85	8.14	7.57	9.14
120.0	5.28	5.28	5.85	5.85	6.71	7.14	6.85	8.28	8.71
150.0	5.00	6.43	6.00	6.28	7.57	7.28	7.85	8.57	8.71
180.0	5.43	5.14	6.43	6.85	6.28	6.71	8.28	7.71	8.28
210.0	4.43	5.71	5.57	6.00	6.71	7.14	7.71	7.43	8.57
240.0	4.14	4.71	4.86	5.71	6.28	5.85	7.28	7.85	7.43
270.0	4.14	4.57	5.43	5.28	5.57	6.43	6.57	7.14	7.43
300.0	5.14	5.57	5.85	6.57	7.00	6.57	7.57	7.85	8.28
330.0	4.14	4.86	5.14	5.57	5.71	6.14	7.43	7.00	7.57
360.0	5.00	4.43	4.86	5.71	5.71	6.14	6.71	7.14	7.43

## 70W

## 光强数据表(cd)

附页 第 18页 共19页

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	7.71	9.00	9.57	9.28	9.71	10.42	11.14	12.42	15.14
30.0	8.85	9.28	10.28	10.42	11.00	11.14	11.28	12.28	11.85
60.0	9.42	9.14	10.28	10.57	10.85	11.00	11.28	12.28	11.85
90.0	9.71	9.42	10.28	10.57	11.00	11.14	11.42	12.42	12.71
120.0	8.28	10.00	10.28	10.00	11.00	11.14	11.57	12.14	12.14
150.0	9.14	9.57	10.28	10.57	10.42	11.42	11.85	11.28	12.57
180.0	9.57	9.57	10.00	10.14	11.00	11.42	11.71	11.85	12.42
210.0	8.85	8.43	9.42	9.71	9.85	10.57	11.14	12.28	13.85
240.0	9.00	9.57	9.14	9.71	11.00	11.00	12.00	13.71	14.71
270.0	7.71	9.00	8.71	10.14	10.85	10.28	11.14	13.71	13.85
300.0	9.14	8.71	9.00	10.28	9.71	10.28	11.28	12.71	14.14
330.0	9.14	8.57	9.28	9.85	9.57	11.14	12.14	12.14	14.71
360.0	7.71	9.00	9.57	9.28	9.71	10.42	11.14	12.42	15.14
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	15.28	16.85	19.14	18.71	19.42	20.85	19.99	20.28	20.71
30.0	12.42	14.14	14.57	15.85	17.42	18.28	18.85	19.85	19.42
60.0	12.42	13.99	14.71	15.99	17.56	18.71	18.85	19.71	19.85
90.0	12.57	14.28	15.42	16.14	17.99	19.14	19.99	20.28	20.56
120.0	13.28	14.42	14.85	16.71	17.99	18.42	19.56	19.99	19.42
150.0	13.14	14.14	15.57	16.57	17.85	19.14	19.56	19.99	20.56
180.0	12.85	14.14	15.14	16.14	17.99	18.56	19.14	20.28	19.71
210.0	14.99	17.99	17.99	18.71	19.28	19.71	20.14	20.56	20.85
240.0	16.28	16.57	19.14	19.85	19.56	20.99	21.28	20.28	21.13
270.0	15.42	18.28	18.28	18.85	20.71	19.99	20.14	21.13	20.28
300.0	14.99	17.42	18.71	18.56	20.28	19.85	20.14	21.28	20.71
330.0	16.28	16.57	19.14	18.71	19.42	20.85	20.14	20.42	21.71
360.0	15.28	16.85	19.14	18.71	19.42	20.85	19.99	20.28	20.71
C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	20.99	21.28	21.85	22.71	22.71	23.71	23.99	23.42	23.99
30.0	19.71	20.71	20.28	20.56	21.56	21.85	22.56	23.85	23.42
60.0	19.85	20.42	20.85	20.99	21.56	21.99	22.71	23.56	24.13
90.0	19.85	20.99	21.13	21.42	22.13	22.85	23.28	24.56	25.13
120.0	20.28	20.56	20.56	21.28	21.13	22.42	23.13	23.42	24.85
150.0	20.71	20.99	21.28	21.42	21.85	22.28	23.28	23.56	24.42
180.0	20.14	21.13	20.71	20.99	22.28	22.99	22.42	23.85	24.28
210.0	20.85	21.28	21.42	22.28	22.85	23.42	23.99	24.13	23.99
240.0	21.42	20.56	21.99	22.99	22.71	24.42	24.85	23.99	25.13
270.0	20.42	20.42	20.85	21.85	22.99	23.28	23.71	24.70	23.85
300.0	20.99	21.13	21.42	21.99	22.71	23.28	23.71	23.85	23.71
330.0	20.85	21.28	22.71	22.28	22.56	22.99	23.13	23.28	23.42
360.0	20.99	21.28	21.85	22.71	22.71	23.71	23.99	23.42	23.99
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	24.13	22.99	23.71	23.71	23.85	25.28	25.99	25.70	26.70
30.0	24.56	24.99	24.85	24.13	24.56	24.70	25.56	25.13	26.13
60.0	25.28	24.56	24.56	25.56	24.28	24.28	25.28	24.85	25.70
90.0	25.13	25.99	25.99	24.99	25.13	24.99	24.28	25.70	26.70
120.0	25.28	24.70	25.70	25.56	23.99	24.56	24.70	24.56	25.85
150.0	25.42	25.56	24.99	25.28	24.28	24.13	24.99	24.42	25.42
180.0	23.85	24.85	25.13	24.13	24.42	24.56	24.28	25.28	25.70
210.0	23.85	23.42	23.13	22.71	22.85	23.56	25.13	25.13	25.70
240.0	25.13	23.85	24.28	24.13	23.42	25.28	26.13	25.70	25.99
270.0	23.71	24.28	22.99	22.99	24.28	24.99	25.56	26.85	27.13
300.0	24.13	23.85	23.28	23.85	24.28	24.13	25.99	26.56	25.85
330.0	23.99	23.13	23.28	23.13	23.56	24.42	25.99	25.99	26.13
360.0	24.13	22.99	23.71	23.71	23.85	25.28	25.99	25.70	26.70

70W

光强数据表(cd)

附页 第 19页 共19页

<b>C/γ(°)</b>	<b>180.0</b>
<b>0.0</b>	<b>25.56</b>
<b>30.0</b>	<b>27.28</b>
<b>60.0</b>	<b>26.85</b>
<b>90.0</b>	<b>26.28</b>
<b>120.0</b>	<b>26.56</b>
<b>150.0</b>	<b>26.85</b>
<b>180.0</b>	<b>25.56</b>
<b>210.0</b>	<b>27.28</b>
<b>240.0</b>	<b>26.85</b>
<b>270.0</b>	<b>26.28</b>
<b>300.0</b>	<b>26.56</b>
<b>330.0</b>	<b>26.85</b>
<b>360.0</b>	<b>25.56</b>

灯具名称: 50W

灯具描述:

报告编号:

测试编号: OPSZ201807013-05010

光源规格型号:

每个光源光通量(lm): -1.0

光源数量: 1

发光面长度(ft.): 0.000

测试模式: C

电压(V): 220.0500

电流(A): 0.2360

功率(W): 51.3000

功率因数: 0.9870

镇流器型号:

发光面宽度(ft.): 0.000

发光面高度(ft.): 0.000

## 光度结果

灯具光通量(lm): 4904.65

灯具效率(%): 0.00%

灯具效能(lm/w): 95.62

中心光强(cd): 3075.966

最大光强(cd): 3080.250

最大光强角度: C=210.0  $\gamma$ =1.0

半峰边角(50%Imax): [C0/180]Total=79.1

[C90/270]Total=78.8

光束扩散角(10%Imax): [C0/180]Total=119.2

[C90/270]Total=119.3

最大允许距高比(1/2): C0\_180=1.06 C90\_270=1.01

最大允许距高比(1/4): C0\_180=1.16 C90\_270=1.13

上射光通比(%): 0.00%

下射光通比(%): 0.00%

上射光通比(占灯具): 0.45%

下射光通比(占灯具): 99.56%

CIE Type: 直接型

$\pi$ 立体角内输出光通量比: 97.081%



50W

环带光通分布数据表

附页 第 2 页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
0.0	3068.707	0.734	0.734	.000%	.015%
1.0	3066.446	5.869	6.603	.000%	.135%
2.0	3060.734	11.714	18.317	.000%	.373%
3.0	3051.570	17.514	35.83	.000%	.731%
4.0	3041.812	23.269	59.099	.000%	1.205%
5.0	3025.866	28.920	88.019	.000%	1.795%
6.0	3007.778	34.477	122.496	.000%	2.498%
7.0	2987.785	39.930	162.426	.000%	3.312%
8.0	2954.298	45.088	207.514	.000%	4.231%
9.0	2927.927	50.228	257.741	.000%	5.255%
10.0	2904.044	55.300	313.041	.000%	6.383%
11.0	2870.104	60.055	373.096	.000%	7.607%
12.0	2835.629	64.652	437.748	.000%	8.925%
13.0	2801.392	69.106	506.854	.000%	10.334%
14.0	2764.133	73.331	580.184	.000%	11.829%
15.0	2721.125	77.232	657.416	.000%	13.404%
16.0	2677.725	80.939	738.355	.000%	15.054%
17.0	2632.933	84.416	822.771	.000%	16.775%
18.0	2585.784	87.625	910.396	.000%	18.562%
19.0	2537.291	90.587	1000.983	.000%	20.409%
20.0	2490.249	93.400	1094.382	.000%	22.313%
21.0	2438.769	95.841	1190.223	.000%	24.267%
22.0	2387.670	98.085	1288.308	.000%	26.267%
23.0	2339.045	100.223	1388.531	.000%	28.311%
24.0	2286.399	101.980	1490.512	.000%	30.390%
25.0	2232.872	103.482	1593.994	.000%	32.500%
26.0	2182.962	104.940	1698.933	.000%	34.639%
27.0	2129.971	106.041	1804.974	.000%	36.801%
28.0	2079.550	107.061	1912.035	.000%	38.984%
29.0	2026.903	107.760	2019.794	.000%	41.181%
30.0	1977.517	108.428	2128.222	.000%	43.392%
31.0	1926.275	108.795	2237.018	.000%	45.610%
32.0	1873.426	108.867	2345.885	.000%	47.830%
33.0	1828.158	109.188	2455.073	.000%	50.056%
34.0	1776.356	108.929	2564.002	.000%	52.277%
35.0	1728.910	108.747	2672.748	.000%	54.494%
36.0	1686.974	108.737	2781.486	.000%	56.711%
37.0	1642.574	108.403	2889.888	.000%	58.921%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/3  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

50W

环带光通分布数据表

附页 第 3 页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
38.0	1595.330	107.707	2997.595	.000%	61.117%
39.0	1558.261	107.538	3105.134	.000%	63.310%
40.0	1515.146	106.801	3211.934	.000%	65.488%
41.0	1474.150	106.056	3317.991	.000%	67.650%
42.0	1435.713	105.349	3423.34	.000%	69.798%
43.0	1395.799	104.390	3527.729	.000%	71.926%
44.0	1353.768	103.126	3630.855	.000%	74.029%
45.0	1315.259	101.988	3732.843	.000%	76.108%
46.0	1269.776	100.164	3833.007	.000%	78.151%
47.0	1222.068	98.011	3931.018	.000%	80.149%
48.0	1168.351	95.213	4026.231	.000%	82.090%
49.0	1108.397	91.733	4117.965	.000%	83.961%
50.0	1036.841	87.100	4205.065	.000%	85.736%
51.0	966.642	82.380	4287.444	.000%	87.416%
52.0	887.018	76.651	4364.095	.000%	88.979%
53.0	812.392	71.148	4435.244	.000%	90.429%
54.0	744.501	66.050	4501.294	.000%	91.776%
55.0	658.367	59.140	4560.434	.000%	92.982%
56.0	576.363	52.399	4612.833	.000%	94.050%
57.0	505.699	46.509	4659.342	.000%	94.999%
58.0	449.554	41.808	4701.149	.000%	95.851%
59.0	351.877	33.076	4734.225	.000%	96.525%
60.0	293.162	27.841	4762.066	.000%	97.093%
61.0	235.981	22.633	4784.7	.000%	97.554%
62.0	184.632	17.877	4802.577	.000%	97.919%
63.0	147.991	14.460	4817.037	.000%	98.214%
64.0	110.434	10.885	4827.921	.000%	98.436%
65.0	83.766	8.325	4836.247	.000%	98.605%
66.0	63.642	6.376	4842.622	.000%	98.735%
67.0	47.922	4.837	4847.46	.000%	98.834%
68.0	39.509	4.017	4851.477	.000%	98.916%
69.0	33.511	3.431	4854.907	.000%	98.986%
70.0	29.715	3.062	4857.97	.000%	99.048%
71.0	27.144	2.815	4860.784	.000%	99.106%
72.0	24.729	2.579	4863.363	.000%	99.158%
73.0	22.468	2.356	4865.719	.000%	99.206%
74.0	20.504	2.161	4867.881	.000%	99.250%
75.0	18.731	1.984	4869.865	.000%	99.291%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/3  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

50W

环带光通分布数据表

附页 第 4页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
76.0	17.053	1.814	4871.679	.000%	99.328%
77.0	15.589	1.666	4873.345	.000%	99.362%
78.0	14.030	1.505	4874.85	.000%	99.393%
79.0	12.733	1.371	4876.221	.000%	99.420%
80.0	11.400	1.231	4877.452	.000%	99.446%
81.0	10.175	1.102	4878.554	.000%	99.468%
82.0	8.759	0.951	4879.505	.000%	99.487%
83.0	7.807	0.850	4880.355	.000%	99.505%
84.0	6.462	0.705	4881.059	.000%	99.519%
85.0	5.272	0.576	4881.635	.000%	99.531%
86.0	4.379	0.479	4882.114	.000%	99.541%
87.0	3.142	0.344	4882.458	.000%	99.548%
88.0	2.666	0.292	4882.75	.000%	99.554%
89.0	1.964	0.215	4882.966	.000%	99.558%
90.0	1.035	0.114	4883.079	.000%	99.560%
91.0	0.869	0.095	4883.175	.000%	99.562%
92.0	0.488	0.053	4883.228	.000%	99.563%
93.0	0.607	0.066	4883.294	.000%	99.565%
94.0	0.690	0.076	4883.37	.000%	99.566%
95.0	0.393	0.043	4883.413	.000%	99.567%
96.0	0.678	0.074	4883.487	.000%	99.569%
97.0	0.809	0.088	4883.575	.000%	99.570%
98.0	0.655	0.071	4883.646	.000%	99.572%
99.0	1.000	0.108	4883.754	.000%	99.574%
100.0	0.738	0.080	4883.834	.000%	99.576%
101.0	0.857	0.092	4883.926	.000%	99.578%
102.0	0.916	0.098	4884.024	.000%	99.580%
103.0	0.785	0.084	4884.108	.000%	99.581%
104.0	1.107	0.118	4884.226	.000%	99.584%
105.0	1.119	0.118	4884.345	.000%	99.586%
106.0	1.261	0.133	4884.478	.000%	99.589%
107.0	1.333	0.140	4884.617	.000%	99.592%
108.0	1.131	0.118	4884.735	.000%	99.594%
109.0	1.321	0.137	4884.872	.000%	99.597%
110.0	1.452	0.150	4885.022	.000%	99.600%
111.0	1.261	0.129	4885.151	.000%	99.603%
112.0	1.428	0.145	4885.296	.000%	99.605%
113.0	1.250	0.126	4885.422	.000%	99.608%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/3  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95

50W

环带光通分布数据表

附页 第 5 页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
114.0	1.178	0.118	4885.54	.000%	99.610%
115.0	1.737	0.173	4885.713	.000%	99.614%
116.0	0.988	0.097	4885.81	.000%	99.616%
117.0	1.309	0.128	4885.938	.000%	99.619%
118.0	1.392	0.135	4886.073	.000%	99.621%
119.0	1.250	0.120	4886.193	.000%	99.624%
120.0	1.523	0.145	4886.338	.000%	99.627%
121.0	1.202	0.113	4886.451	.000%	99.629%
122.0	1.607	0.149	4886.6	.000%	99.632%
123.0	1.821	0.167	4886.767	.000%	99.635%
124.0	1.666	0.151	4886.919	.000%	99.639%
125.0	2.011	0.181	4887.1	.000%	99.642%
126.0	2.059	0.183	4887.282	.000%	99.646%
127.0	2.202	0.193	4887.475	.000%	99.650%
128.0	2.404	0.208	4887.683	.000%	99.654%
129.0	2.404	0.205	4887.888	.000%	99.658%
130.0	2.535	0.213	4888.1	.000%	99.663%
131.0	2.666	0.221	4888.321	.000%	99.667%
132.0	2.773	0.226	4888.547	.000%	99.672%
133.0	3.058	0.245	4888.792	.000%	99.677%
134.0	3.165	0.250	4889.042	.000%	99.682%
135.0	3.308	0.257	4889.299	.000%	99.687%
136.0	3.522	0.268	4889.567	.000%	99.693%
137.0	3.737	0.279	4889.846	.000%	99.698%
138.0	3.891	0.286	4890.132	.000%	99.704%
139.0	4.129	0.297	4890.429	.000%	99.710%
140.0	4.546	0.320	4890.749	.000%	99.717%
141.0	4.522	0.312	4891.062	.000%	99.723%
142.0	4.855	0.328	4891.389	.000%	99.730%
143.0	5.367	0.354	4891.744	.000%	99.737%
144.0	5.545	0.357	4892.101	.000%	99.744%
145.0	5.748	0.362	4892.462	.000%	99.752%
146.0	6.081	0.373	4892.835	.000%	99.759%
147.0	6.462	0.386	4893.221	.000%	99.767%
148.0	6.712	0.390	4893.611	.000%	99.775%
149.0	7.223	0.408	4894.019	.000%	99.783%
150.0	7.664	0.420	4894.44	.000%	99.792%
151.0	8.068	0.429	4894.868	.000%	99.801%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/3  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95



50W

环带光通分布数据表

附页 第 6页 共19页

$\gamma(^{\circ})$	平均光强(cd)	环带光通(lm)	累积光通(lm)	有效光通(%)	有效累计(%)
152.0	8.497	0.437	4895.306	.000%	99.810%
153.0	9.389	0.467	4895.773	.000%	99.819%
154.0	10.175	0.489	4896.262	.000%	99.829%
155.0	11.055	0.512	4896.775	.000%	99.840%
156.0	11.662	0.520	4897.295	.000%	99.850%
157.0	12.376	0.530	4897.825	.000%	99.861%
158.0	13.007	0.534	4898.36	.000%	99.872%
159.0	13.007	0.511	4898.871	.000%	99.882%
160.0	13.304	0.499	4899.37	.000%	99.892%
161.0	13.471	0.481	4899.851	.000%	99.902%
162.0	13.376	0.453	4900.304	.000%	99.911%
163.0	13.685	0.439	4900.743	.000%	99.920%
164.0	13.828	0.418	4901.161	.000%	99.929%
165.0	13.947	0.396	4901.557	.000%	99.937%
166.0	14.483	0.384	4901.941	.000%	99.945%
167.0	14.780	0.365	4902.305	.000%	99.952%
168.0	15.113	0.345	4902.65	.000%	99.959%
169.0	15.565	0.326	4902.976	.000%	99.966%
170.0	15.613	0.297	4903.273	.000%	99.972%
171.0	15.839	0.272	4903.545	.000%	99.978%
172.0	15.922	0.243	4903.788	.000%	99.983%
173.0	15.792	0.211	4903.999	.000%	99.987%
174.0	15.625	0.179	4904.178	.000%	99.990%
175.0	15.934	0.152	4904.33	.000%	99.994%
176.0	15.851	0.121	4904.451	.000%	99.996%
177.0	16.208	0.093	4904.544	.000%	99.998%
178.0	16.851	0.064	4904.609	.000%	99.999%
179.0	16.839	0.032	4904.641	.000%	100.000%
180.0	17.327	0.004	4904.645	.000%	100.000%

测试设备: GMS-2000  
环境温度( $^{\circ}\text{C}$ ): 24.9

测试日期: 2018/7/3  
环境湿度(%): 55.0%

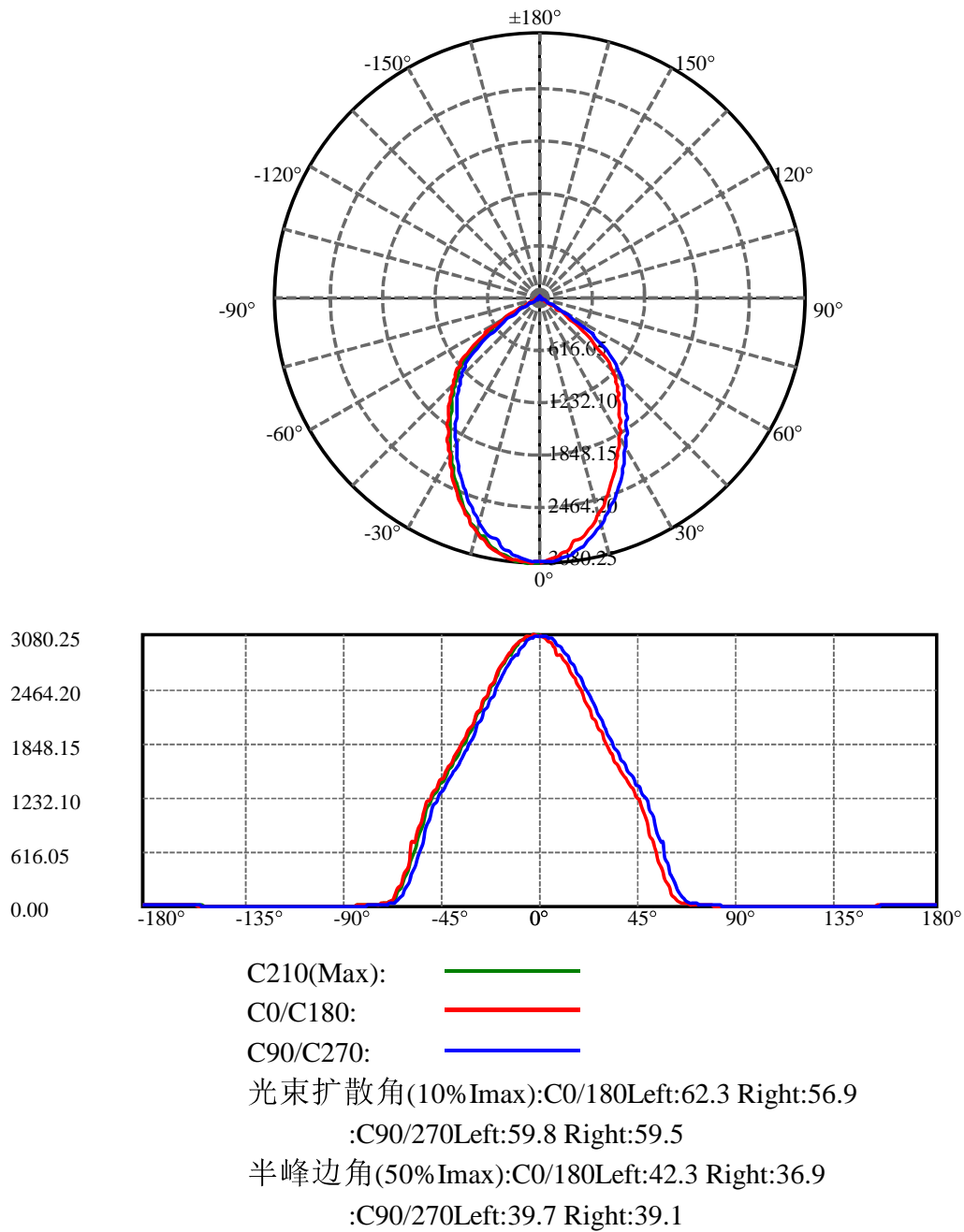
测试人员: Evan  
测试距离(m): 11.95

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2128.22	N.A.	43.39%
0-40	3211.93	N.A.	65.49%
0-60	4762.07	N.A.	97.09%
0-90	4883.08	N.A.	99.56%
0-120	4886.34	N.A.	99.63%
0-180	4904.65	N.A.	100.00%
60-90	148.85	N.A.	3.03%
90-120	3.37	N.A.	0.07%
90-130	5.13	N.A.	0.10%
90-150	11.47	N.A.	0.23%
90-180	21.68	N.A.	0.44%
0-46.93	3923.72	N.A.	80.00%

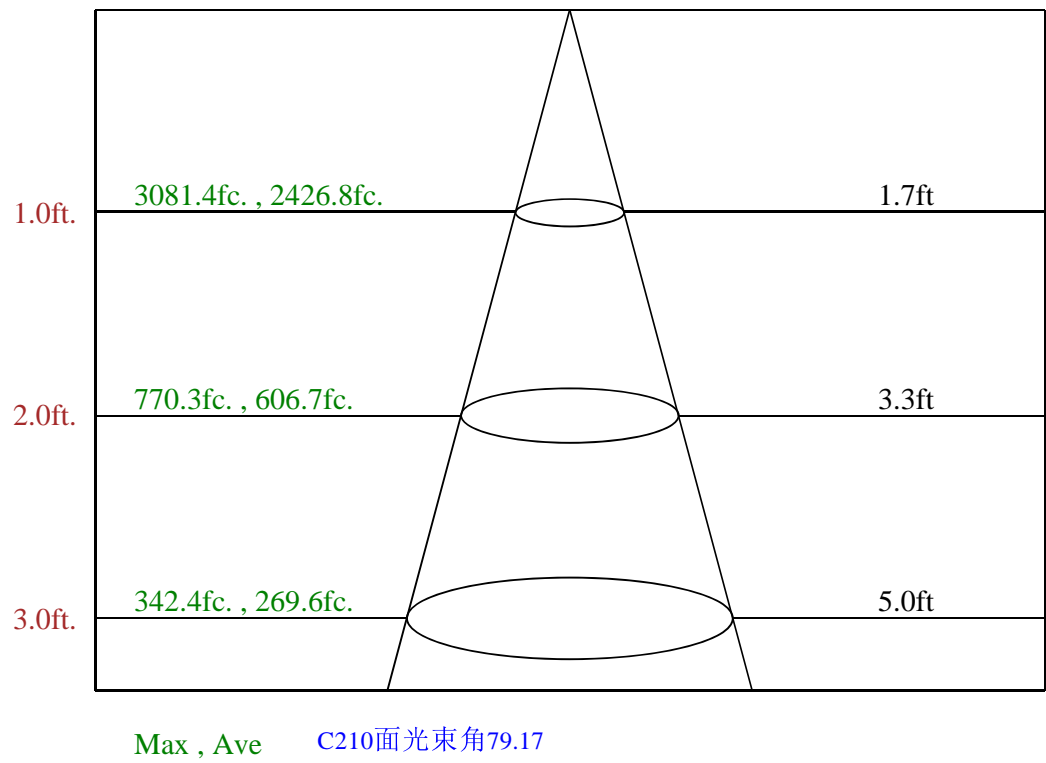
## ZONAL LUMEN SUMMARY

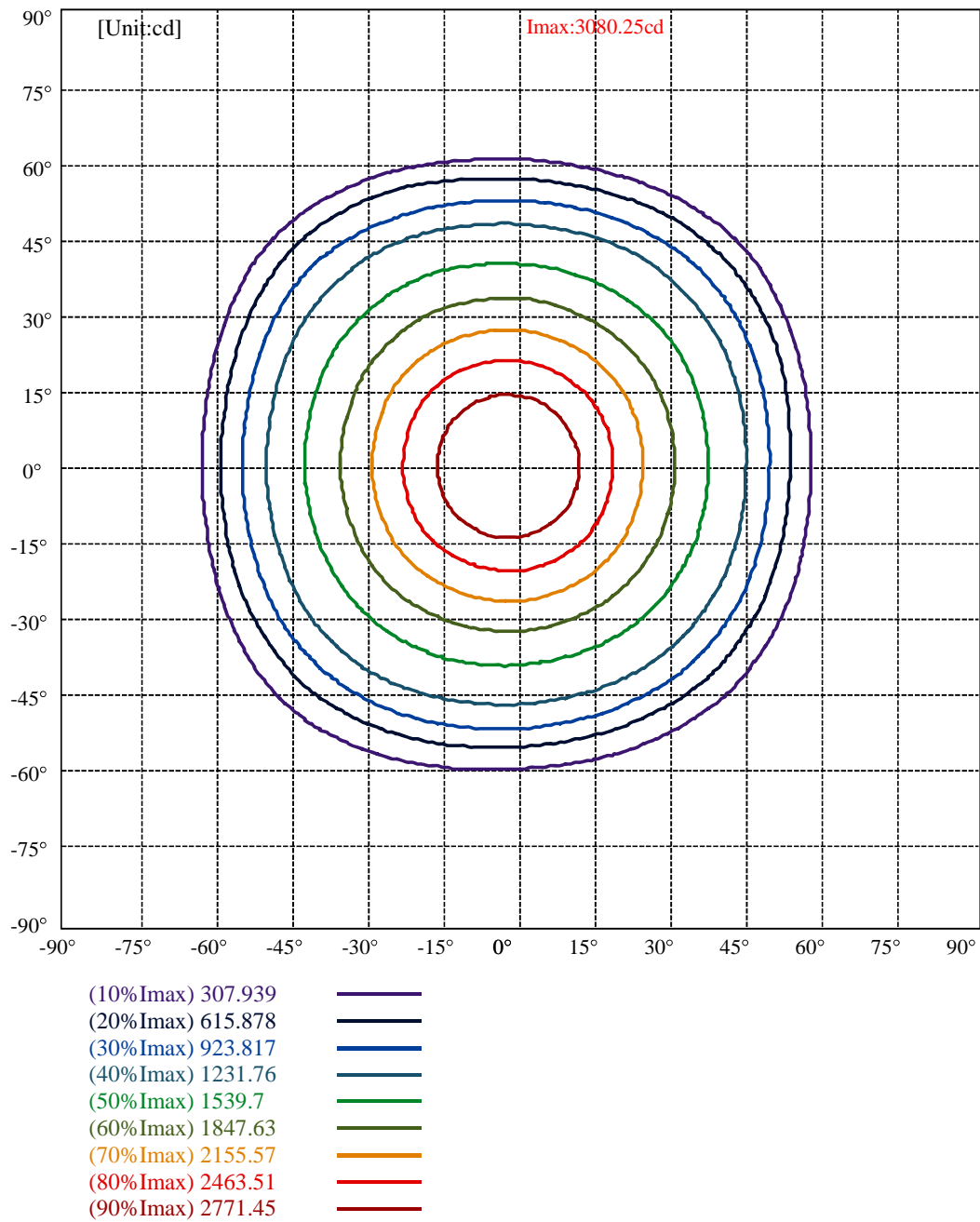
0-10	313.04
10-20	781.34
20-30	1033.84
30-40	1083.71
40-50	993.13
50-60	557.00
60-70	95.90
70-80	19.48
80-90	5.63
90-100	0.75
100-110	1.19
110-120	1.32
120-130	1.76
130-140	2.65
140-150	3.69
150-160	4.93
160-170	3.90
170-180	1.37

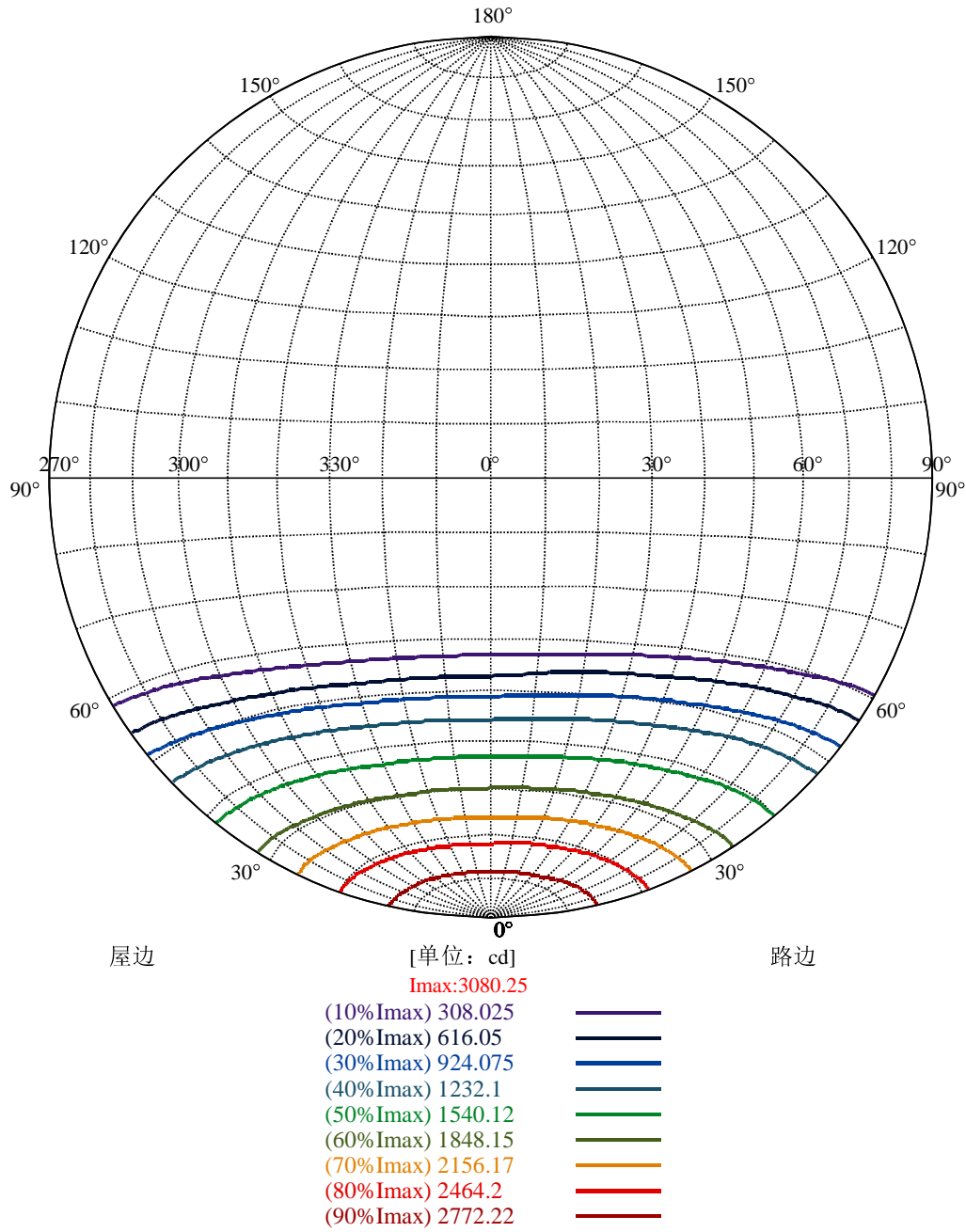


50W

照度距离图表



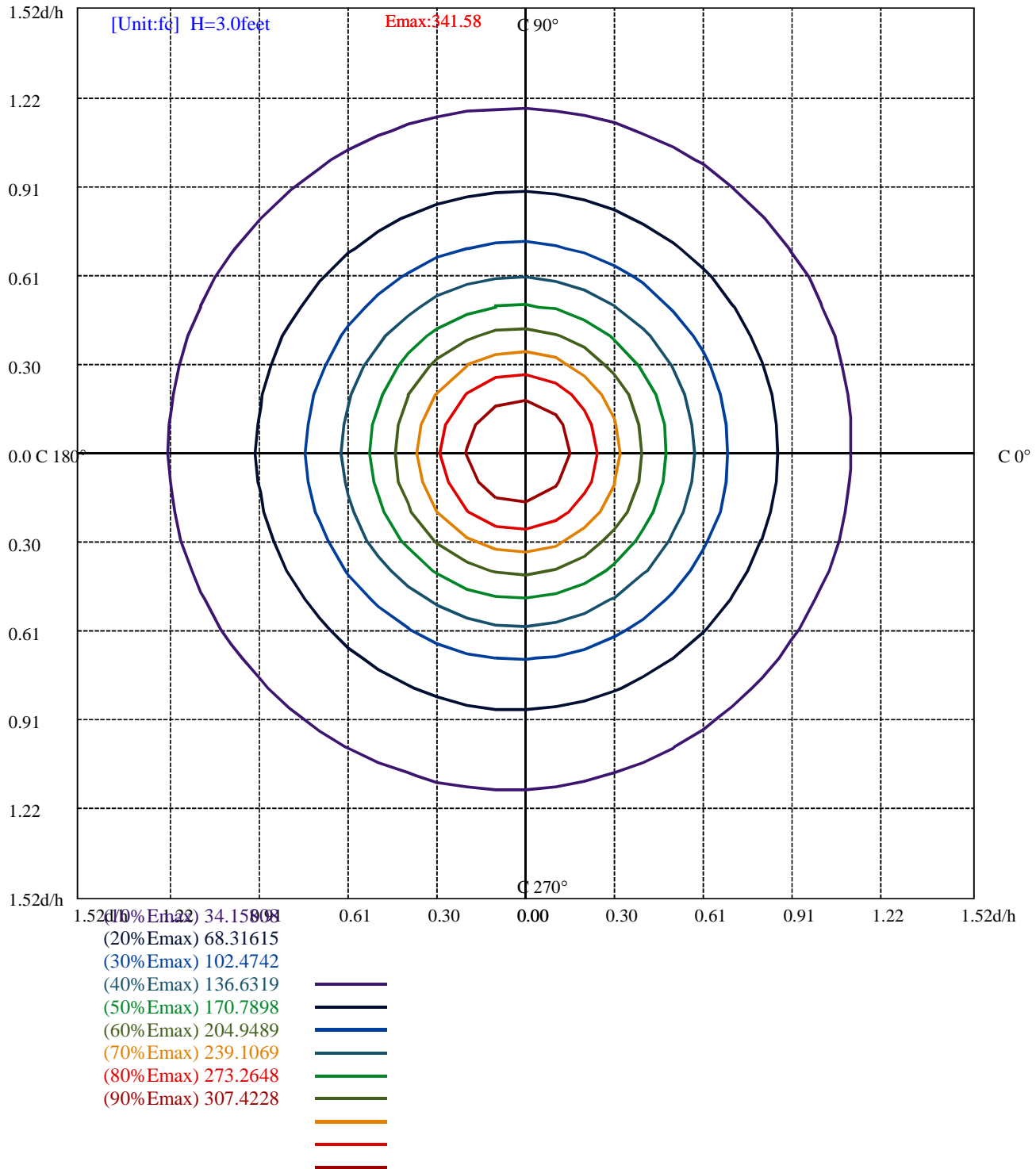




50W

平面等照度曲线

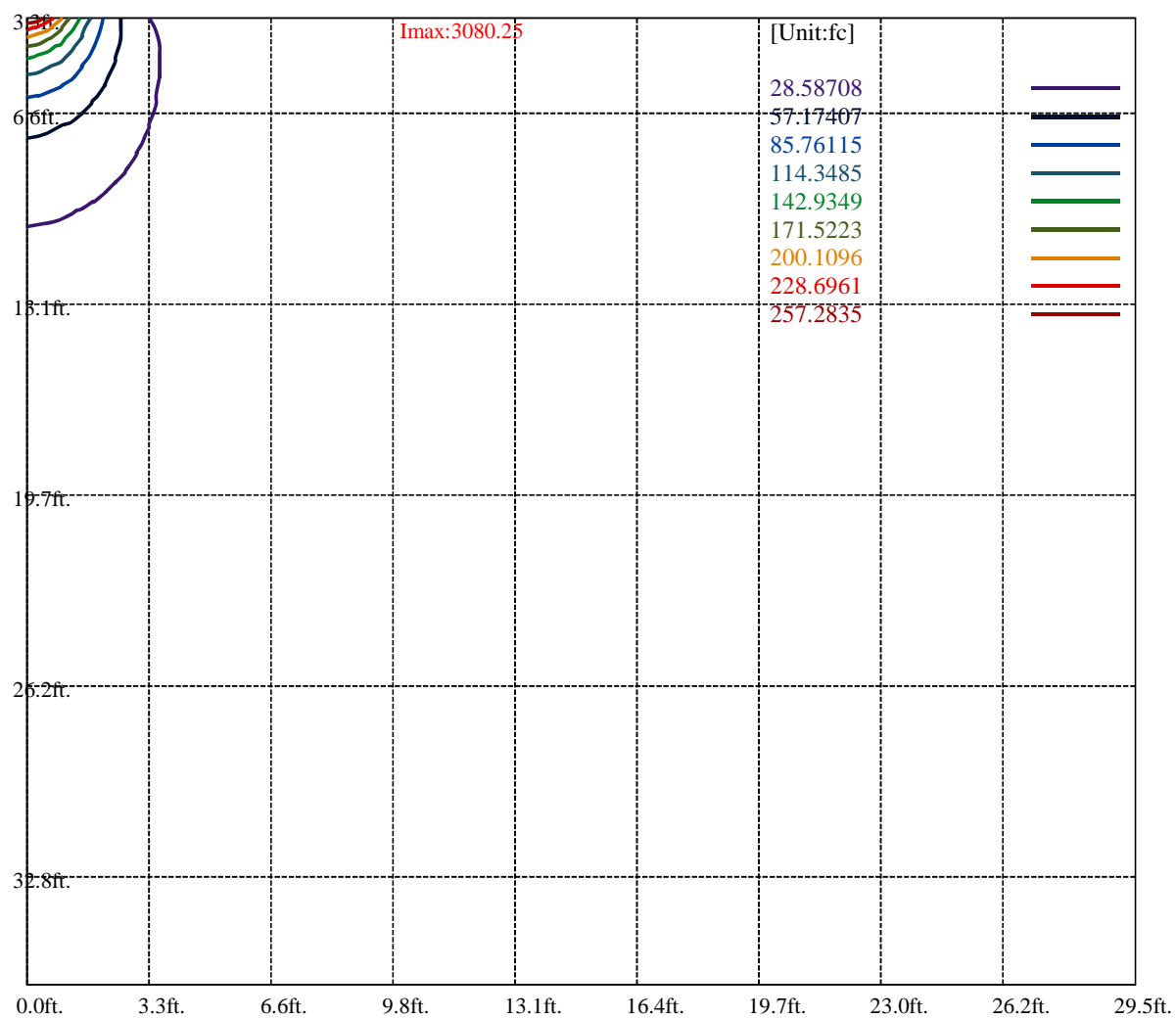
附页 第 12页 共19页



测试设备: GMS-2000  
环境温度(°C): 24.9

测试日期: 2018/7/3  
环境湿度(%): 55.0%

测试人员: Evan  
测试距离(m): 11.95





50W

光强数据表(cd)

附页 第 14页 共19页

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	3075.97	3055.97	3038.84	3021.70	3007.42	2980.29	2954.58	2931.74	2848.62
30.0	3074.54	3065.97	3057.40	3038.84	3024.56	3003.14	2971.72	2951.73	2920.31
60.0	3071.68	3070.25	3060.26	3048.83	3037.41	3018.84	2993.14	2974.58	2940.30
90.0	3068.83	3068.83	3064.54	3057.40	3050.26	3033.13	3017.42	3004.56	2974.58
120.0	3064.54	3068.83	3068.83	3065.97	3061.69	3050.26	3040.27	3024.56	2998.85
150.0	3064.54	3067.40	3071.68	3070.25	3070.25	3060.26	3050.26	3040.27	3018.84
180.0	3061.69	3070.25	3073.11	3071.68	3070.25	3060.26	3053.12	3038.84	3027.41
210.0	3074.54	3080.25	3080.25	3080.25	3070.25	3064.54	3051.69	3031.70	3015.99
240.0	3071.68	3073.11	3071.68	3063.11	3051.69	3043.12	3025.98	3001.71	2983.14
270.0	3068.83	3064.54	3058.83	3047.41	3034.55	3021.70	2996.00	2974.58	2954.58
300.0	3064.54	3058.83	3045.98	3028.84	3017.42	2996.00	2980.29	2947.44	2920.31
330.0	3063.11	3053.12	3037.41	3024.56	3005.99	2978.86	2958.87	2931.74	2848.62
360.0	3075.97	3055.97	3038.84	3021.70	3007.42	2980.29	2954.58	2931.74	2848.62
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2848.62	2838.34	2799.07	2746.95	2714.10	2668.55	2610.57	2574.30	2525.46
30.0	2880.33	2853.19	2816.07	2766.08	2733.24	2690.40	2633.28	2599.01	2550.45
60.0	2908.89	2884.61	2848.91	2803.21	2771.80	2730.38	2698.97	2641.85	2594.72
90.0	2948.87	2927.45	2887.47	2851.77	2823.21	2774.65	2743.24	2698.97	2643.27
120.0	2983.14	2958.87	2920.31	2898.89	2864.62	2836.06	2787.50	2746.09	2714.68
150.0	3003.14	2981.72	2948.87	2926.02	2894.61	2848.91	2820.35	2781.79	2730.38
180.0	3001.71	2978.86	2960.30	2921.74	2888.89	2863.19	2817.49	2777.51	2746.09
210.0	2994.57	2960.30	2938.88	2880.33	2842.20	2842.20	2802.07	2760.09	2727.53
240.0	2956.01	2934.59	2850.05	2850.05	2840.20	2801.64	2749.66	2716.67	2671.12
270.0	2917.46	2848.05	2848.05	2819.78	2789.36	2748.81	2694.97	2660.27	2613.86
300.0	2843.77	2843.77	2824.21	2794.22	2741.24	2697.40	2663.12	2605.00	2556.02
330.0	2848.62	2838.77	2799.07	2768.51	2713.25	2667.41	2632.28	2571.16	2521.61
360.0	2848.62	2838.34	2799.07	2746.95	2714.10	2668.55	2610.57	2574.30	2525.46
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2461.92	2424.22	2372.38	2306.55	2266.85	2214.01	2148.18	2108.48	2056.64
30.0	2513.32	2450.49	2400.51	2361.95	2296.26	2242.00	2202.01	2137.75	2084.92
60.0	2557.59	2497.62	2449.06	2410.51	2346.25	2293.41	2254.85	2189.16	2136.33
90.0	2607.57	2560.45	2500.47	2463.34	2413.36	2363.38	2324.82	2260.56	2207.73
120.0	2658.98	2613.29	2579.01	2519.04	2470.48	2433.35	2370.52	2319.11	2280.56
150.0	2698.97	2653.27	2594.72	2571.87	2511.90	2461.92	2424.79	2360.53	2309.12
180.0	2688.97	2656.13	2609.00	2547.60	2511.90	2460.49	2399.08	2360.53	2310.54
210.0	2670.69	2622.57	2585.58	2523.89	2485.05	2433.50	2369.52	2329.97	2277.99
240.0	2613.43	2576.44	2526.60	2463.63	2424.64	2372.38	2307.12	2266.42	2214.01
270.0	2553.45	2515.47	2465.06	2400.65	2360.81	2308.40	2255.71	2215.58	2150.32
300.0	2520.04	2457.35	2418.79	2367.09	2302.12	2261.99	2209.30	2142.61	2102.62
330.0	2484.48	2420.22	2381.80	2329.11	2262.42	2223.72	2170.88	2103.77	2064.78
360.0	2461.92	2424.22	2372.38	2306.55	2266.85	2214.01	2148.18	2108.48	2056.64
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2004.52	1966.39	1900.27	1863.14	1812.02	1748.33	1712.77	1652.65	1607.67
30.0	2046.36	1994.95	1932.12	1893.56	1843.58	1780.75	1743.62	1695.07	1637.94
60.0	2096.34	2032.08	1982.10	1942.11	1880.71	1830.73	1793.60	1735.05	1687.93
90.0	2156.32	2104.91	2039.22	2002.09	1950.68	1900.70	1865.00	1803.60	1756.47
120.0	2216.29	2163.46	2126.33	2074.92	2022.08	1972.10	1909.27	1872.14	1825.02
150.0	2271.99	2206.30	2154.89	2116.33	2053.50	2000.66	1963.53	1902.13	1853.58
180.0	2247.71	2207.73	2157.75	2093.48	2056.36	2004.95	1967.82	1906.41	1856.43
210.0	2212.44	2172.17	2119.62	2067.21	2013.66	1949.97	1911.41	1860.43	1810.59
240.0	2149.03	2108.05	2055.36	1990.67	1950.68	1899.56	1837.30	1799.17	1750.04
270.0	2097.34	2056.93	1992.52	1940.40	1900.84	1838.01	1788.32	1751.19	1691.35
300.0	2049.64	1983.10	1943.83	1891.42	1826.87	1789.46	1739.62	1679.64	1645.08
330.0	2011.66	1958.54	1918.84	1854.86	1804.31	1765.90	1705.63	1658.79	1624.81
360.0	2004.52	1966.39	1900.27	1863.14	1812.02	1748.33	1712.77	1652.65	1607.67

50W

光强数据表(cd)

附页 第 15页 共19页

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1575.68	1533.13	1481.00	1450.73	1410.17	1360.91	1331.92	1292.36	1239.67
30.0	1605.10	1562.26	1532.27	1482.29	1445.16	1413.74	1365.19	1325.21	1295.22
60.0	1653.65	1607.96	1557.98	1527.99	1489.43	1459.44	1409.46	1369.48	1340.92
90.0	1720.77	1665.08	1620.81	1589.39	1537.98	1498.00	1466.58	1428.03	1378.04
120.0	1765.04	1727.91	1683.64	1629.38	1596.53	1553.69	1513.71	1482.29	1432.31
150.0	1816.45	1769.32	1710.77	1676.50	1630.80	1577.97	1547.98	1506.57	1456.59
180.0	1820.73	1772.18	1713.63	1677.93	1633.66	1580.82	1547.98	1509.42	1458.01
210.0	1774.61	1715.49	1669.93	1636.23	1582.11	1540.70	1500.14	1460.58	1419.74
240.0	1691.07	1655.51	1611.24	1579.82	1527.56	1486.72	1457.01	1417.31	1366.91
270.0	1644.51	1610.81	1556.12	1523.85	1483.15	1432.59	1403.03	1363.05	1314.07
300.0	1604.24	1561.40	1508.71	1477.43	1437.31	1408.18	1357.48	1307.50	1288.79
330.0	1571.83	1529.84	1497.86	1447.59	1407.89	1377.04	1328.06	1287.79	1254.95
360.0	1575.68	1533.13	1481.00	1450.73	1410.17	1360.91	1331.92	1292.36	1239.67
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1204.82	1147.56	1095.01	994.19	912.22	811.12	750.28	668.32	608.34
30.0	1246.67	1200.97	1162.41	1082.44	1005.33	941.07	828.25	738.29	738.29
60.0	1292.36	1253.81	1220.96	1160.98	1096.72	1041.03	938.21	848.25	781.13
90.0	1350.91	1309.50	1258.09	1225.25	1176.69	1098.15	1042.46	963.92	861.10
120.0	1392.32	1362.34	1312.35	1270.94	1238.10	1172.41	1106.72	1051.03	949.64
150.0	1425.17	1385.18	1335.20	1305.21	1262.37	1205.25	1162.41	1098.15	1023.89
180.0	1428.03	1388.04	1339.49	1309.50	1268.09	1213.82	1176.69	1115.29	1059.59
210.0	1389.18	1340.06	1299.36	1268.66	1216.25	1163.84	1114.72	1023.32	943.92
240.0	1338.06	1298.36	1246.81	1214.82	1164.98	1082.16	1025.32	945.78	845.39
270.0	1284.79	1244.67	1189.40	1150.85	1087.01	990.48	927.07	837.97	725.15
300.0	1235.53	1174.69	1129.85	1058.88	956.49	891.37	801.69	691.02	628.19
330.0	1195.26	1132.14	1075.87	978.48	916.51	831.40	725.87	662.89	584.06
360.0	1204.82	1147.56	1095.01	994.19	912.22	811.12	750.28	668.32	608.34
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	509.95	436.12	385.00	302.74	242.76	201.78	140.52	101.82	72.54
30.0	738.29	484.67	432.55	354.72	308.60	250.48	196.35	161.08	111.39
60.0	734.00	734.00	517.52	424.55	358.15	312.74	243.05	205.78	160.22
90.0	795.41	731.15	731.15	548.36	473.53	381.85	347.30	267.75	210.92
120.0	869.67	809.69	729.72	729.72	650.89	466.68	410.41	339.58	259.04
150.0	962.49	853.96	763.99	741.14	741.14	506.52	451.97	366.15	303.17
180.0	959.63	871.10	802.55	735.43	735.43	536.65	443.40	376.00	328.59
210.0	881.09	775.70	690.45	627.90	531.23	475.10	405.42	323.59	261.33
240.0	784.99	702.87	602.06	543.79	467.54	376.57	326.73	263.47	191.64
270.0	660.75	577.35	498.95	443.26	358.58	296.46	252.90	187.21	142.52
300.0	546.65	488.53	397.42	332.30	287.60	232.34	170.93	139.09	102.67
330.0	491.10	435.26	365.00	284.46	239.19	185.36	128.95	100.25	71.54
360.0	509.95	436.12	385.00	302.74	242.76	201.78	140.52	101.82	72.54
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	57.55	42.70	38.41	32.42	29.27	27.28	24.28	22.13	20.71
30.0	81.11	64.69	45.27	38.84	36.27	30.99	28.27	27.42	23.71
60.0	111.53	87.97	63.26	45.13	40.13	35.42	31.42	28.99	26.42
90.0	172.51	119.67	87.11	68.40	49.12	41.27	37.56	32.99	30.70
120.0	229.77	165.51	122.67	95.11	63.55	48.84	42.41	37.13	33.56
150.0	259.47	191.21	168.51	116.81	77.83	61.26	46.27	37.84	36.99
180.0	257.76	204.78	167.36	116.53	83.97	63.83	45.27	38.84	34.42
210.0	216.20	163.08	110.10	84.82	57.41	48.70	38.84	33.99	30.56
240.0	155.80	113.53	73.11	57.55	43.84	34.70	32.13	28.70	26.28
270.0	114.10	75.83	53.55	43.13	34.13	29.56	27.85	23.99	23.13
300.0	67.55	52.12	40.41	33.84	30.13	26.99	24.70	22.28	20.14
330.0	52.55	44.13	35.42	31.13	29.42	25.28	23.13	22.28	19.14
360.0	57.55	42.70	38.41	32.42	29.27	27.28	24.28	22.13	20.71

## 50W

光强数据表(cd)

附页 第 16页 共19页

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.85	16.99	15.42	13.85	13.28	11.42	10.28	9.14	8.43
30.0	21.71	21.28	17.99	16.57	16.28	13.28	11.85	11.85	9.28
60.0	25.70	22.13	20.14	19.71	16.71	15.14	14.71	12.28	11.00
90.0	28.13	25.28	23.71	21.85	19.28	18.42	16.85	14.28	13.85
120.0	30.56	27.99	25.42	23.13	21.56	19.42	17.71	16.57	14.71
150.0	31.99	28.99	27.85	24.28	22.13	21.42	18.56	16.85	16.42
180.0	30.99	27.99	25.56	23.42	21.28	19.42	17.71	17.28	14.42
210.0	27.70	25.56	22.99	21.42	19.42	17.99	16.42	14.99	13.28
240.0	23.99	21.85	19.99	17.99	16.71	15.14	13.57	12.28	10.85
270.0	20.99	17.99	17.42	15.71	12.85	12.71	11.14	9.14	8.57
300.0	18.71	16.42	15.28	14.14	12.71	11.57	10.28	9.57	8.57
330.0	17.42	17.14	14.28	12.71	12.42	11.14	9.28	8.57	7.43
360.0	18.85	16.99	15.42	13.85	13.28	11.42	10.28	9.14	8.43
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.57	5.85	5.57	4.28	3.00	1.86	0.71	0.86	0.14
30.0	9.14	7.71	5.57	5.14	3.71	2.14	1.29	0.14	0.57
60.0	10.00	8.71	7.57	6.00	4.86	4.43	2.57	1.57	1.57
90.0	12.28	9.57	9.42	7.85	5.71	5.00	3.71	3.57	1.29
120.0	13.42	12.14	11.14	9.85	7.85	7.28	6.14	3.57	3.43
150.0	13.42	11.85	11.71	9.14	8.85	7.43	5.28	4.71	3.57
180.0	13.00	12.00	10.14	8.85	8.00	6.71	5.71	4.43	3.28
210.0	12.14	10.85	9.71	7.85	7.57	6.43	4.00	4.00	2.71
240.0	10.14	8.28	7.85	7.00	4.86	5.00	4.00	1.71	2.14
270.0	7.28	6.43	5.14	4.28	3.43	2.71	1.86	1.71	0.57
300.0	7.43	6.57	5.71	3.71	3.43	2.71	1.71	1.00	0.71
330.0	6.28	5.14	4.14	3.57	2.00	0.86	0.71	4.71	3.57
360.0	7.57	5.85	5.57	4.28	3.00	1.86	0.71	0.86	0.14
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.14	1.29	0.43	0.43	0.71	0.29	1.00	1.29
60.0	0.86	1.14	0.14	1.43	1.57	0.57	1.57	1.57	1.43
90.0	0.29	0.43	0.29	0.29	0.00	0.00	1.00	1.14	0.29
120.0	2.28	2.00	0.43	0.29	1.14	0.00	0.00	0.86	0.29
150.0	2.28	1.14	0.14	0.86	0.00	0.00	0.14	0.14	0.43
180.0	3.00	1.43	0.57	1.29	1.29	0.57	1.14	1.00	1.14
210.0	0.71	0.29	1.29	0.43	0.43	0.71	0.71	1.00	0.14
240.0	0.86	1.14	0.43	0.29	1.57	0.57	1.57	1.57	0.71
270.0	0.57	0.71	0.86	0.86	0.71	0.43	0.71	0.43	0.86
300.0	0.71	0.43	0.29	0.86	1.14	0.71	0.71	0.86	0.57
330.0	0.86	0.86	0.14	0.29	0.00	0.43	0.29	0.14	0.71
360.0	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.43	0.00	0.00	0.86	0.43	0.57	0.43	0.86	0.86
30.0	0.43	1.57	1.71	1.00	2.00	1.29	1.71	2.14	2.14
60.0	1.43	1.14	1.71	1.00	0.86	1.86	0.86	0.71	1.57
90.0	1.57	0.86	0.86	1.57	1.57	1.71	1.43	1.86	2.00
120.0	0.43	0.14	0.14	1.14	0.29	0.71	1.71	1.14	1.29
150.0	1.29	0.86	1.00	0.14	1.29	1.43	0.71	1.57	1.71
180.0	1.29	0.71	1.43	1.29	0.14	1.00	1.14	1.71	0.71
210.0	0.86	0.57	0.71	0.29	0.86	0.86	0.57	0.71	0.14
240.0	1.43	1.14	0.29	1.00	0.86	1.86	0.86	0.71	1.57
270.0	1.57	0.71	0.71	1.57	0.43	0.29	1.43	1.86	2.00
300.0	0.43	0.29	0.86	0.29	0.29	0.86	1.71	1.14	1.29
330.0	0.86	0.86	0.86	0.86	0.43	0.86	0.86	0.71	0.71
360.0	0.43	0.00	0.00	0.86	0.43	0.57	0.43	0.86	0.86

50W

光强数据表(cd)

附页 第 17页 共19页

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.00	0.71	0.43	0.00	1.00	0.00	0.00	0.71	0.00
30.0	2.28	2.43	1.57	2.57	2.57	2.57	2.43	2.43	2.86
60.0	0.86	0.86	1.29	1.14	1.14	1.14	1.71	1.86	1.14
90.0	1.00	1.86	1.86	1.71	2.00	1.57	1.29	2.28	1.29
120.0	1.57	1.71	1.86	1.14	1.86	1.57	0.71	1.57	1.29
150.0	1.29	1.71	1.71	1.71	1.71	1.43	2.00	2.00	1.14
180.0	0.57	1.57	0.43	0.43	1.00	0.86	1.00	0.71	1.29
210.0	2.28	0.86	1.57	2.57	0.29	2.57	2.43	2.43	0.43
240.0	0.86	0.14	1.29	0.43	0.71	1.14	1.00	1.86	0.29
270.0	1.00	1.86	1.86	0.57	2.00	1.57	0.14	2.28	0.57
300.0	1.57	1.71	1.86	1.14	1.86	0.29	0.71	1.57	0.29
330.0	0.29	0.43	1.71	1.71	1.00	0.29	0.71	1.14	1.29
360.0	0.00	0.71	0.43	0.00	1.00	0.00	0.00	0.71	0.00
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.14	0.14	0.71	1.00	0.43	1.71	2.00	1.14	2.28
30.0	2.00	1.86	2.86	1.71	1.57	2.43	1.86	1.86	2.00
60.0	2.43	2.57	1.71	2.71	2.86	2.43	2.57	2.71	3.00
90.0	1.14	2.00	1.14	1.29	1.71	1.57	1.71	1.43	2.14
120.0	1.14	1.14	1.00	1.71	1.29	1.43	1.29	2.00	2.14
150.0	2.14	2.14	1.00	1.86	1.86	1.00	1.86	1.71	1.29
180.0	1.71	1.00	1.29	2.28	1.71	1.86	2.28	2.43	2.57
210.0	2.00	1.86	1.29	0.57	0.86	1.29	1.57	1.86	2.14
240.0	0.43	2.57	1.00	1.14	0.43	1.57	1.86	1.14	2.14
270.0	0.86	0.14	1.29	1.43	0.71	2.00	2.00	1.71	2.14
300.0	0.29	0.57	0.14	1.00	0.43	0.57	1.71	0.86	1.14
330.0	1.43	0.71	1.57	1.57	0.57	1.43	1.14	1.14	1.14
360.0	0.14	0.14	0.71	1.00	0.43	1.71	2.00	1.14	2.28
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	2.00	2.28	2.28	2.86	3.00	2.28	3.28	3.28	2.57
30.0	2.28	2.71	2.14	3.28	2.71	3.00	4.14	4.28	4.14
60.0	3.28	2.57	3.14	3.28	3.43	3.28	3.28	4.00	3.14
90.0	2.43	1.71	3.00	2.28	2.43	2.71	2.43	3.28	3.71
120.0	1.43	2.71	2.86	2.28	2.71	3.14	3.43	3.57	3.14
150.0	1.57	1.57	2.57	1.71	1.86	2.43	2.71	2.28	2.71
180.0	2.00	2.86	2.71	1.71	2.57	2.57	2.00	2.43	2.57
210.0	1.57	2.14	2.14	2.43	2.14	2.00	1.86	2.00	2.14
240.0	2.28	2.00	2.43	2.43	2.71	2.71	2.43	3.14	3.43
270.0	2.28	2.43	2.14	2.00	2.86	2.86	2.14	3.14	3.28
300.0	2.28	1.43	1.86	2.86	2.28	2.57	2.71	3.14	3.43
330.0	1.29	2.00	1.57	1.71	1.71	2.43	2.86	2.14	3.71
360.0	2.00	2.28	2.28	2.86	3.00	2.28	3.28	3.28	2.57
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	3.28	3.43	3.28	3.57	3.71	4.43	4.14	4.57	4.86
30.0	4.57	4.28	5.00	5.14	4.28	5.28	5.28	4.86	5.28
60.0	3.28	4.28	3.57	3.86	4.28	4.43	4.71	4.57	5.71
90.0	2.86	4.43	4.57	4.00	5.14	5.43	5.14	5.71	6.00
120.0	4.00	4.14	3.28	4.28	4.28	3.86	4.28	4.43	4.57
150.0	2.71	3.14	3.57	3.28	4.28	4.57	4.00	5.28	5.71
180.0	3.14	3.43	3.14	3.43	3.43	4.14	3.86	4.14	5.71
210.0	3.00	2.43	2.86	3.14	3.57	4.14	3.71	5.00	5.43
240.0	2.57	2.71	3.57	3.14	3.71	3.71	4.28	4.28	4.43
270.0	2.57	3.43	3.57	3.43	3.71	4.00	4.57	4.28	4.57
300.0	3.71	3.00	4.43	4.71	4.28	5.28	5.43	5.28	6.00
330.0	4.00	3.57	4.00	4.71	4.86	5.28	4.86	5.85	6.14
360.0	3.28	3.43	3.28	3.57	3.71	4.43	4.14	4.57	4.86

## 50W

## 光强数据表(cd)

附页 第 18页 共19页

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	5.28	5.71	6.14	5.85	7.00	7.57	7.14	9.14	9.00
30.0	5.28	6.28	5.85	6.14	6.43	7.14	7.57	7.00	8.57
60.0	6.14	5.43	6.00	7.28	6.85	7.85	7.85	8.14	8.14
90.0	6.28	6.14	6.43	7.14	6.57	7.71	7.85	7.00	8.14
120.0	4.86	5.14	5.57	5.71	6.28	6.57	6.43	7.57	8.00
150.0	5.00	5.43	6.71	6.14	6.71	7.43	7.43	7.85	7.28
180.0	6.00	5.57	6.57	6.71	7.00	7.00	7.57	7.85	7.14
210.0	4.86	6.28	5.71	6.28	7.28	7.43	8.14	8.85	8.71
240.0	5.57	5.14	5.57	7.00	6.71	7.00	8.43	8.85	9.71
270.0	5.85	5.28	5.57	6.00	6.14	7.00	7.71	7.57	9.42
300.0	6.14	6.28	6.57	7.28	6.85	7.14	8.28	9.14	9.14
330.0	5.28	6.28	6.28	6.00	6.71	6.85	7.57	7.85	8.71
360.0	5.28	5.71	6.14	5.85	7.00	7.57	7.14	9.14	9.00
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	10.14	12.00	12.42	13.00	13.57	13.99	14.14	14.28	13.99
30.0	9.14	8.85	10.71	11.57	12.00	12.85	12.71	13.71	13.57
60.0	9.14	9.57	10.42	11.14	11.85	12.28	13.28	12.57	12.57
90.0	8.43	8.43	9.71	10.28	11.14	11.71	12.00	12.57	12.42
120.0	7.43	9.57	10.28	10.28	12.14	12.85	12.85	13.28	13.42
150.0	8.71	9.42	9.42	11.14	12.00	12.42	12.71	12.85	13.42
180.0	8.43	8.85	9.00	10.28	10.85	11.71	11.85	12.00	12.14
210.0	10.57	11.57	12.14	12.57	12.71	13.71	12.85	13.14	13.99
240.0	10.71	11.00	12.57	13.00	13.42	13.28	13.99	13.99	12.85
270.0	9.42	10.57	12.57	12.14	12.71	13.99	13.42	13.71	14.14
300.0	10.57	11.57	11.57	12.71	13.14	13.99	13.42	13.42	14.42
330.0	10.00	10.71	11.85	11.85	13.00	13.28	12.85	14.14	14.71
360.0	10.14	12.00	12.42	13.00	13.57	13.99	14.14	14.28	13.99
C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	14.71	14.85	15.14	15.14	15.28	16.14	15.42	15.14	15.99
30.0	12.71	13.57	13.42	13.28	13.57	13.85	14.99	14.71	14.99
60.0	13.42	12.71	12.85	13.28	13.71	13.71	14.85	15.57	15.14
90.0	12.42	13.28	12.71	12.85	14.57	13.99	14.57	16.14	15.71
120.0	13.71	13.99	13.28	13.99	14.28	13.85	14.99	15.57	15.28
150.0	12.85	13.00	13.85	12.85	13.14	14.42	13.99	14.57	15.28
180.0	12.42	12.71	13.14	13.00	14.14	14.71	14.14	15.71	16.14
210.0	13.14	13.28	13.99	13.99	14.57	14.85	15.57	15.99	15.14
240.0	13.71	13.85	13.28	14.28	14.57	15.14	15.14	15.28	16.28
270.0	13.85	14.14	14.42	15.28	15.71	15.42	16.57	16.71	16.28
300.0	13.71	13.71	14.57	14.14	14.42	15.42	14.99	15.14	15.57
330.0	13.85	15.14	15.28	15.28	15.85	15.85	16.14	16.28	15.57
360.0	14.71	14.85	15.14	15.14	15.28	16.14	15.42	15.14	15.99
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	14.99	14.71	15.14	14.42	14.99	15.57	15.85	16.57	16.28
30.0	15.28	15.85	16.14	15.42	16.57	16.71	15.85	16.99	17.56
60.0	16.42	16.85	16.14	16.71	16.57	16.42	16.71	16.42	17.42
90.0	16.14	16.57	15.71	16.57	16.28	15.42	16.57	16.99	16.42
120.0	16.14	16.14	16.99	15.99	15.57	15.14	15.28	15.42	16.71
150.0	15.57	15.71	15.57	15.42	15.85	14.99	15.14	16.71	16.42
180.0	15.57	16.71	16.85	16.57	16.14	16.14	16.85	16.99	16.42
210.0	15.99	15.85	14.85	14.71	15.99	15.71	16.57	17.28	17.42
240.0	15.57	15.42	16.28	15.42	15.71	16.57	15.99	17.56	16.71
270.0	16.57	16.28	15.99	15.71	15.99	16.57	16.85	17.14	17.85
300.0	15.57	14.99	14.99	14.85	15.71	15.42	16.14	17.14	16.42
330.0	16.28	15.99	14.85	15.71	15.85	15.57	16.71	16.99	16.42
360.0	14.99	14.71	15.14	14.42	14.99	15.57	15.85	16.57	16.28

50W

光强数据表(cd)

附页 第 19页 共19页

C/γ(°)	180.0
0.0	17.42
30.0	17.71
60.0	17.71
90.0	17.99
120.0	16.28
150.0	16.85
180.0	17.42
210.0	17.71
240.0	17.71
270.0	17.99
300.0	16.28
330.0	16.85
360.0	17.42