



OPPLE Lighting Lab

欧普照明实验室

PHOTOMETRIC RESULTS



Name:	OPZS201705098-01002-sidaitongdeng-yuan6W-3000K		
Program:	Far-C15-G1-Downlight		
Lum. flux:	421.38 lm	Av. Voltage:	219.9574 V
Efficacy:	70.57 lm/ W	Av. Current:	0.05340 A
Maximum:	145.597 cd	Av. Power:	5.968 W
FluxCone-90:	224.76 lm	Av. Power Factor:	0.5081
FluxCone-120:	331.94 lm	Company:	Oppl
Date:	5/17/2017 2:25:23 PM	Operator:	SLY

Protocol

LiTG-class: A41
 UTE-class: 1.00 E
 IES-class: 47 - 79 - 96 - 100 - 100
 TM5-class: BZ4

Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	114.2°	114.1°
Half peak side angle (left)	-55.3°	-56.9°
Half peak side angle (right)	58.9°	57.2°
One tenth peak divergence	161.0°	161.1°
Tenth peak side angle (left)	-78.7°	-80.4°
Tenth peak side angle (right)	82.3°	80.7°

C-planes:	0.0°	15.0°	30.0°	45.0°	60.0°	75.0°	90.0°	105.0°	120.0°	135.0°
	150.0°	165.0°	180.0°	195.0°	210.0°	225.0°	240.0°	255.0°	270.0°	285.0°
	300.0°	315.0°	330.0°	345.0°						

Gamma:	0.0°	1.0°	2.0°	3.0°	4.0°	5.0°	6.0°	7.0°	8.0°	9.0°
	10.0°	11.0°	12.0°	13.0°	14.0°	15.0°	16.0°	17.0°	18.0°	19.0°
	20.0°	21.0°	22.0°	23.0°	24.0°	25.0°	26.0°	27.0°	28.0°	29.0°
	30.0°	31.0°	32.0°	33.0°	34.0°	35.0°	36.0°	37.0°	38.0°	39.0°
	40.0°	41.0°	42.0°	43.0°	44.0°	45.0°	46.0°	47.0°	48.0°	49.0°
	50.0°	51.0°	52.0°	53.0°	54.0°	55.0°	56.0°	57.0°	58.0°	59.0°
	60.0°	61.0°	62.0°	63.0°	64.0°	65.0°	66.0°	67.0°	68.0°	69.0°
	70.0°	71.0°	72.0°	73.0°	74.0°	75.0°	76.0°	77.0°	78.0°	79.0°
	80.0°	81.0°	82.0°	83.0°	84.0°	85.0°	86.0°	87.0°	88.0°	89.0°
	90.0°	91.0°	92.0°	93.0°	94.0°	95.0°	96.0°	97.0°	98.0°	99.0°
	100.0°									



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Electrical protocol OPZS201705098-01002-sidaitongdeng-yuan6W-3000K / C-Plane measurement

[deg]	U [V]	I [A]	P [W]	PF
0.0	219.9570	0.05340	5.971	0.5084
15.0	219.9570	0.05340	5.968	0.5081
30.0	219.9570	0.05339	5.964	0.5079
45.0	219.9570	0.05340	5.967	0.5081
60.0	219.9580	0.05341	5.968	0.5080
75.0	219.9580	0.05340	5.967	0.5080
90.0	219.9580	0.05339	5.968	0.5082
180.0	219.9570	0.05340	5.971	0.5084
195.0	219.9570	0.05340	5.968	0.5081
210.0	219.9570	0.05339	5.964	0.5079
225.0	219.9570	0.05340	5.967	0.5081
240.0	219.9580	0.05341	5.968	0.5080
255.0	219.9580	0.05340	5.967	0.5080
270.0	219.9580	0.05339	5.968	0.5082



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Zonal flux OPZS201705098-01002-sidaitongdeng-yuan6W-3000K / C-Plane measurement

Gamm a [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
0.0	145.3	145.6	145.5	0.00	0.00	0.00	0.00
1.0	145.3	145.6	145.5	0.14	0.14	0.03	0.03
2.0	145.1	145.5	145.4	0.42	0.56	0.10	0.13
3.0	144.9	145.5	145.3	0.70	1.25	0.17	0.30
4.0	144.7	145.4	145.2	0.97	2.22	0.23	0.53
5.0	144.4	145.3	145.0	1.25	3.47	0.30	0.82
6.0	144.0	145.1	144.7	1.52	5.00	0.36	1.19
7.0	143.6	144.9	144.4	1.79	6.79	0.43	1.61
8.0	143.1	144.6	144.0	2.06	8.85	0.49	2.10
9.0	142.6	144.3	143.6	2.33	11.18	0.55	2.65
10.0	142.0	144.0	143.1	2.59	13.78	0.62	3.27
11.0	141.4	143.5	142.6	2.86	16.63	0.68	3.95
12.0	140.8	143.1	142.1	3.11	19.75	0.74	4.69
13.0	140.1	142.4	141.4	3.36	23.11	0.80	5.48
14.0	139.3	141.9	140.8	3.61	26.72	0.86	6.34
15.0	138.5	141.3	140.1	3.86	30.58	0.91	7.26
16.0	137.7	140.6	139.3	4.09	34.67	0.97	8.23
17.0	136.9	139.9	138.5	4.33	39.00	1.03	9.25
18.0	135.8	139.1	137.6	4.55	43.55	1.08	10.33
19.0	134.9	138.3	136.7	4.77	48.32	1.13	11.47
20.0	133.9	137.5	135.8	4.99	53.31	1.18	12.65

**Zonal flux OPZS201705098-01002-sidaitongdeng-yuan6W-3000K / C-Plane measurement**

Gamm a [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
21.0	132.8	136.5	134.8	5.20	58.51	1.23	13.88
22.0	131.8	135.6	133.8	5.40	63.91	1.28	15.17
23.0	130.5	134.6	132.7	5.59	69.50	1.33	16.49
24.0	129.3	133.6	131.6	5.78	75.28	1.37	17.86
25.0	128.1	132.5	130.4	5.96	81.23	1.41	19.28
26.0	126.9	131.5	129.3	6.13	87.36	1.45	20.73
27.0	125.6	130.2	128.0	6.29	93.66	1.49	22.23
28.0	124.2	129.0	126.7	6.45	100.11	1.53	23.76
29.0	122.7	127.9	125.4	6.60	106.71	1.57	25.32
30.0	121.4	126.5	124.0	6.74	113.44	1.60	26.92
31.0	119.9	125.2	122.6	6.86	120.31	1.63	28.55
32.0	118.4	123.7	121.2	6.98	127.29	1.66	30.21
33.0	116.8	122.4	119.7	7.10	134.39	1.68	31.89
34.0	115.3	121.0	118.2	7.20	141.59	1.71	33.60
35.0	113.6	119.5	116.6	7.29	148.88	1.73	35.33
36.0	111.9	117.9	115.0	7.38	156.26	1.75	37.08
37.0	110.2	116.4	113.4	7.45	163.71	1.77	38.85
38.0	108.6	114.7	111.8	7.52	171.23	1.78	40.63
39.0	106.8	113.2	110.0	7.57	178.80	1.80	42.43
40.0	104.9	111.3	108.2	7.61	186.41	1.81	44.24
41.0	103.0	109.7	106.4	7.64	194.05	1.81	46.05
42.0	101.2	107.9	104.6	7.67	201.72	1.82	47.87
43.0	99.3	106.0	102.8	7.68	209.40	1.82	49.69
44.0	97.3	104.2	100.9	7.69	217.09	1.82	51.52
45.0	95.3	102.5	98.9	7.68	224.76	1.82	53.34
46.0	93.2	100.5	96.9	7.66	232.42	1.82	55.16
47.0	91.2	98.6	94.9	7.63	240.06	1.81	56.97
48.0	89.1	96.5	92.8	7.59	247.65	1.80	58.77
49.0	86.8	94.6	90.8	7.54	255.19	1.79	60.56
50.0	84.8	92.5	88.7	7.48	262.67	1.78	62.34
51.0	82.5	90.5	86.5	7.41	270.08	1.76	64.10
52.0	80.2	88.3	84.3	7.33	277.42	1.74	65.84
53.0	78.0	86.0	82.1	7.24	284.65	1.72	67.55
54.0	75.7	83.9	79.9	7.14	291.79	1.69	69.25
55.0	73.3	81.7	77.6	7.03	298.82	1.67	70.91
56.0	71.0	79.4	75.2	6.91	305.72	1.64	72.55
57.0	68.5	77.2	72.9	6.77	312.50	1.61	74.16
58.0	66.2	74.8	70.5	6.63	319.13	1.57	75.74
59.0	63.7	72.5	68.1	6.48	325.61	1.54	77.27
60.0	61.2	70.0	65.7	6.32	331.94	1.50	78.77

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Gamm a [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
61.0	58.8	67.7	63.3	6.15	338.09	1.46	80.24
62.0	56.3	65.4	60.8	5.98	344.07	1.42	81.65
63.0	53.8	62.9	58.4	5.80	349.87	1.38	83.03
64.0	51.2	60.4	55.8	5.60	355.47	1.33	84.36
65.0	48.7	57.8	53.3	5.40	360.87	1.28	85.64
66.0	46.1	55.4	50.7	5.19	366.06	1.23	86.87
67.0	43.6	52.8	48.2	4.97	371.03	1.18	88.05
68.0	41.0	50.2	45.6	4.75	375.79	1.13	89.18
69.0	38.4	47.7	43.1	4.52	380.31	1.07	90.25
70.0	35.8	45.2	40.5	4.29	384.60	1.02	91.27
71.0	33.3	42.5	37.9	4.05	388.65	0.96	92.23
72.0	30.7	40.0	35.3	3.81	392.46	0.90	93.14
73.0	28.2	37.2	32.7	3.56	396.01	0.84	93.98
74.0	25.6	34.8	30.2	3.31	399.32	0.78	94.77
75.0	23.3	32.1	27.7	3.06	402.38	0.73	95.49
76.0	20.7	29.6	25.2	2.81	405.19	0.67	96.16
77.0	18.3	27.0	22.7	2.55	407.74	0.61	96.76
78.0	16.0	24.6	20.3	2.30	410.04	0.55	97.31
79.0	13.8	22.3	18.0	2.06	412.10	0.49	97.80
80.0	11.7	19.7	15.7	1.81	413.91	0.43	98.23
81.0	9.7	17.4	13.4	1.57	415.48	0.37	98.60
82.0	7.5	15.3	11.3	1.34	416.83	0.32	98.92
83.0	5.8	13.0	9.3	1.12	417.95	0.27	99.19
84.0	4.2	10.9	7.4	0.91	418.85	0.22	99.40
85.0	2.6	8.8	5.6	0.70	419.56	0.17	99.57
86.0	1.4	7.0	4.0	0.52	420.08	0.12	99.69
87.0	0.7	5.2	2.6	0.36	420.44	0.09	99.78
88.0	0.4	3.6	1.5	0.22	420.66	0.05	99.83
89.0	0.4	2.2	0.9	0.13	420.79	0.03	99.86
90.0	0.4	1.2	0.6	0.08	420.87	0.02	99.88
91.0	0.4	0.6	0.5	0.06	420.93	0.01	99.89
92.0	0.4	0.5	0.5	0.05	420.98	0.01	99.91
93.0	0.4	0.5	0.5	0.05	421.03	0.01	99.92
94.0	0.4	0.5	0.5	0.05	421.08	0.01	99.93
95.0	0.4	0.5	0.5	0.05	421.13	0.01	99.94
96.0	0.4	0.5	0.5	0.05	421.18	0.01	99.95
97.0	0.4	0.5	0.5	0.05	421.23	0.01	99.96
98.0	0.4	0.5	0.5	0.05	421.28	0.01	99.98
99.0	0.4	0.5	0.5	0.05	421.33	0.01	99.99
100.0	0.4	0.5	0.5	0.05	421.38	0.01	100.00



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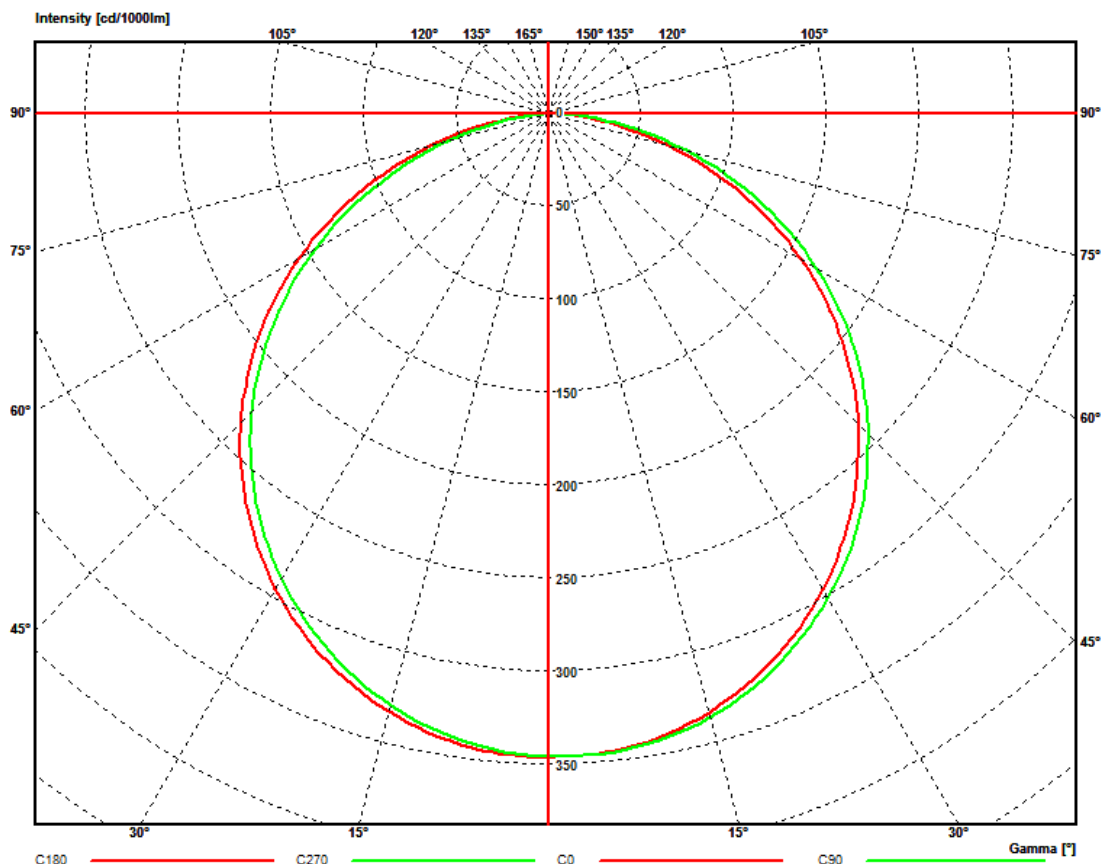
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Polar diagram OPZS201705098-01002-sidaitongdeng-yuan6W-3000K / C-Plane measurement





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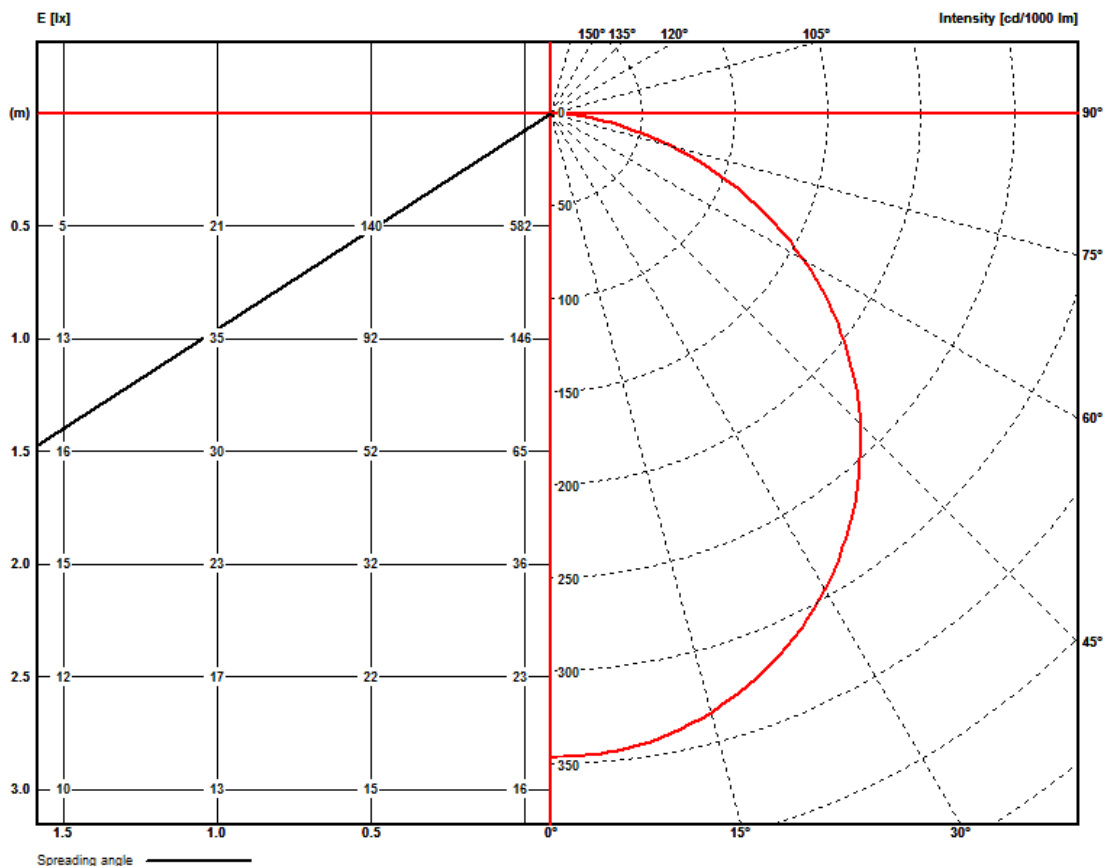
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Illuminance and Intensity diagram OPZS201705098-01002-sidaitongdeng-yuan6W-3000K / C-Plane measurement





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Cartesian diagram OPZS201705098-01002-sidaitongdeng-yuan6W-3000K / C-Plane measurement

