



OPPLE Lighting Lab

欧普照明实验室

## PHOTOMETRIC RESULTS



<b>Name:</b>	OPZS201705098-05002-sidaitongdeng-fang6W-3000K		
<b>Program:</b>	Far-C15-G1-Downlight		
<b>Lum. flux:</b>	437.93 lm	<b>Av. Voltage:</b>	219.9756 V
<b>Efficacy:</b>	72.72 lm/ W	<b>Av. Current:</b>	0.05392 A
<b>Maximum:</b>	151.290 cd	<b>Av. Power:</b>	6.021 W
<b>FluxCone-90:</b>	233.61 lm	<b>Av. Power Factor:</b>	0.5076
<b>FluxCone-120:</b>	345.04 lm	<b>Company:</b>	Oppl
<b>Date:</b>	5/18/2017 11:10:38 AM	<b>Operator:</b>	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°	114.2°
Half peak side angle (left)	-54.4°	-56.2°
Half peak side angle (right)	59.8°	58.1°
One tenth peak divergence	160.8°	160.9°
Tenth peak side angle (left)	-77.7°	-79.5°
Tenth peak side angle (right)	83.1°	81.4°

<b>C-planes:</b>	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°						

<b>Gamma:</b>	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 OPZS201705098-05002-sidaitongdeng-fang6W-3000K / C-Plane measurement

[deg]	U [V]	I [A]	P [W]	PF
0.0	219.9750	0.05393	6.026	0.5079
15.0	219.9750	0.05394	6.023	0.5076
30.0	219.9760	0.05392	6.019	0.5075
45.0	219.9760	0.05391	6.018	0.5074
60.0	219.9760	0.05392	6.021	0.5076
75.0	219.9750	0.05391	6.022	0.5078
90.0	219.9760	0.05393	6.021	0.5075
180.0	219.9750	0.05393	6.026	0.5079
195.0	219.9750	0.05394	6.023	0.5076
210.0	219.9760	0.05392	6.019	0.5075
225.0	219.9760	0.05391	6.018	0.5074
240.0	219.9760	0.05392	6.021	0.5076
255.0	219.9750	0.05391	6.022	0.5078
270.0	219.9760	0.05393	6.021	0.5075



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### Zonal flux OPZS201705098-05002-sidaitongdeng-fang6W-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	151.1	151.2	151.1	0.00	0.00	0.00	0.00
1.0	150.9	151.2	151.1	0.14	0.14	0.03	0.03
2.0	150.7	151.3	151.1	0.43	0.58	0.10	0.13
3.0	150.5	151.2	151.0	0.72	1.30	0.16	0.30
4.0	150.2	151.2	150.8	1.01	2.31	0.23	0.53
5.0	149.8	151.1	150.6	1.30	3.61	0.30	0.82
6.0	149.4	151.1	150.3	1.58	5.19	0.36	1.18
7.0	148.9	150.9	150.0	1.86	7.05	0.43	1.61
8.0	148.3	150.7	149.6	2.14	9.20	0.49	2.10
9.0	147.7	150.4	149.2	2.42	11.62	0.55	2.65
10.0	147.1	150.1	148.7	2.70	14.32	0.62	3.27
11.0	146.4	149.7	148.2	2.97	17.28	0.68	3.95
12.0	145.7	149.3	147.6	3.23	20.51	0.74	4.68
13.0	145.0	148.7	146.9	3.50	24.01	0.80	5.48
14.0	144.2	148.1	146.3	3.75	27.76	0.86	6.34
15.0	143.3	147.5	145.5	4.01	31.77	0.91	7.25
16.0	142.4	146.9	144.8	4.25	36.02	0.97	8.23
17.0	141.4	146.2	143.9	4.50	40.52	1.03	9.25
18.0	140.4	145.4	143.0	4.73	45.25	1.08	10.33
19.0	139.4	144.6	142.1	4.96	50.21	1.13	11.47
20.0	138.3	143.8	141.1	5.18	55.39	1.18	12.65

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<b>Gamm a [°]</b>	<b>Imin [cd/klm ]</b>	<b>Imax [cd/klm ]</b>	<b>Imean [cd/klm ]</b>	<b>Zonal flux [lm]</b>	<b>Sum. zonal flux [lm]</b>	<b>Rel. zonal flux [%]</b>	<b>Sum. rel. zonal flux [%]</b>
21.0	137.2	143.0	140.1	5.40	60.79	1.23	13.88
22.0	136.0	141.9	139.1	5.61	66.40	1.28	15.16
23.0	134.7	141.0	137.9	5.81	72.22	1.33	16.49
24.0	133.5	139.9	136.8	6.01	78.22	1.37	17.86
25.0	132.1	138.9	135.5	6.19	84.41	1.41	19.28
26.0	130.8	137.7	134.3	6.37	90.79	1.45	20.73
27.0	129.4	136.5	133.1	6.54	97.33	1.49	22.22
28.0	128.0	135.3	131.7	6.70	104.03	1.53	23.76
29.0	126.5	134.1	130.3	6.86	110.89	1.57	25.32
30.0	125.0	132.8	128.9	7.00	117.89	1.60	26.92
31.0	123.3	131.5	127.5	7.14	125.02	1.63	28.55
32.0	121.7	129.9	126.0	7.26	132.28	1.66	30.21
33.0	120.1	128.6	124.5	7.38	139.66	1.68	31.89
34.0	118.4	127.2	122.9	7.49	147.15	1.71	33.60
35.0	116.7	125.7	121.2	7.58	154.73	1.73	35.33
36.0	114.9	124.0	119.6	7.67	162.40	1.75	37.08
37.0	113.1	122.5	117.9	7.74	170.14	1.77	38.85
38.0	111.3	120.9	116.1	7.81	177.95	1.78	40.64
39.0	109.4	119.2	114.3	7.87	185.82	1.80	42.43
40.0	107.5	117.3	112.5	7.91	193.73	1.81	44.24
41.0	105.4	115.7	110.7	7.95	201.68	1.81	46.05
42.0	103.4	113.9	108.7	7.97	209.65	1.82	47.87
43.0	101.5	112.0	106.8	7.99	217.64	1.82	49.70
44.0	99.4	110.2	104.9	7.99	225.63	1.82	51.52
45.0	97.2	108.3	102.9	7.98	233.61	1.82	53.34
46.0	95.2	106.4	100.8	7.96	241.57	1.82	55.16
47.0	92.9	104.4	98.7	7.94	249.51	1.81	56.98
48.0	90.6	102.3	96.5	7.89	257.40	1.80	58.78
49.0	88.4	100.3	94.4	7.84	265.24	1.79	60.57
50.0	86.1	98.2	92.2	7.78	273.02	1.78	62.34
51.0	83.7	96.1	90.0	7.71	280.73	1.76	64.10
52.0	81.3	93.7	87.6	7.62	288.35	1.74	65.84
53.0	78.9	91.6	85.3	7.52	295.88	1.72	67.56
54.0	76.6	89.5	83.1	7.42	303.30	1.69	69.26
55.0	74.1	87.1	80.7	7.31	310.61	1.67	70.93
56.0	71.6	84.7	78.2	7.18	317.79	1.64	72.57
57.0	69.1	82.4	75.8	7.04	324.83	1.61	74.18
58.0	66.5	80.0	73.3	6.90	331.73	1.57	75.75
59.0	63.9	77.6	70.8	6.74	338.47	1.54	77.29
60.0	61.4	75.1	68.3	6.57	345.04	1.50	78.79

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61.0	58.7	72.7	65.7	6.40	351.44	1.46	80.25
62.0	56.2	70.4	63.2	6.21	357.65	1.42	81.67
63.0	53.5	67.7	60.6	6.02	363.68	1.38	83.04
64.0	50.8	65.2	58.0	5.82	369.50	1.33	84.37
65.0	48.2	62.4	55.3	5.61	375.10	1.28	85.65
66.0	45.3	60.0	52.7	5.39	380.49	1.23	86.88
67.0	42.8	57.3	50.1	5.16	385.66	1.18	88.06
68.0	40.1	54.6	47.3	4.93	390.59	1.13	89.19
69.0	37.3	52.0	44.7	4.69	395.29	1.07	90.26
70.0	34.6	49.4	41.9	4.45	399.73	1.02	91.28
71.0	31.9	46.6	39.3	4.20	403.93	0.96	92.24
72.0	29.3	43.9	36.6	3.94	407.88	0.90	93.14
73.0	26.6	41.3	33.9	3.69	411.56	0.84	93.98
74.0	24.1	38.6	31.3	3.43	414.99	0.78	94.76
75.0	21.6	35.9	28.6	3.17	418.15	0.72	95.48
76.0	19.0	33.1	26.0	2.90	421.05	0.66	96.15
77.0	16.6	30.4	23.4	2.63	423.69	0.60	96.75
78.0	14.1	27.9	20.9	2.37	426.05	0.54	97.29
79.0	12.0	25.3	18.5	2.11	428.17	0.48	97.77
80.0	9.9	22.8	16.1	1.86	430.03	0.43	98.20
81.0	7.8	20.2	13.8	1.62	431.65	0.37	98.57
82.0	5.9	17.9	11.6	1.37	433.02	0.31	98.88
83.0	4.2	15.5	9.5	1.15	434.17	0.26	99.14
84.0	2.7	13.1	7.6	0.93	435.10	0.21	99.35
85.0	1.5	10.9	5.8	0.73	435.83	0.17	99.52
86.0	0.8	8.9	4.3	0.55	436.38	0.13	99.65
87.0	0.5	6.9	3.1	0.40	436.78	0.09	99.74
88.0	0.4	5.1	2.1	0.28	437.07	0.06	99.80
89.0	0.4	3.5	1.4	0.19	437.26	0.04	99.85
90.0	0.4	2.2	0.9	0.13	437.39	0.03	99.88
91.0	0.4	1.2	0.6	0.08	437.47	0.02	99.89
92.0	0.4	0.7	0.5	0.06	437.53	0.01	99.91
93.0	0.4	0.5	0.5	0.05	437.58	0.01	99.92
94.0	0.4	0.5	0.5	0.05	437.63	0.01	99.93
95.0	0.4	0.5	0.5	0.05	437.68	0.01	99.94
96.0	0.4	0.5	0.5	0.05	437.73	0.01	99.95
97.0	0.4	0.5	0.5	0.05	437.78	0.01	99.97
98.0	0.4	0.5	0.5	0.05	437.83	0.01	99.98
99.0	0.4	0.5	0.5	0.05	437.88	0.01	99.99
100.0	0.4	0.5	0.5	0.05	437.93	0.01	100.00



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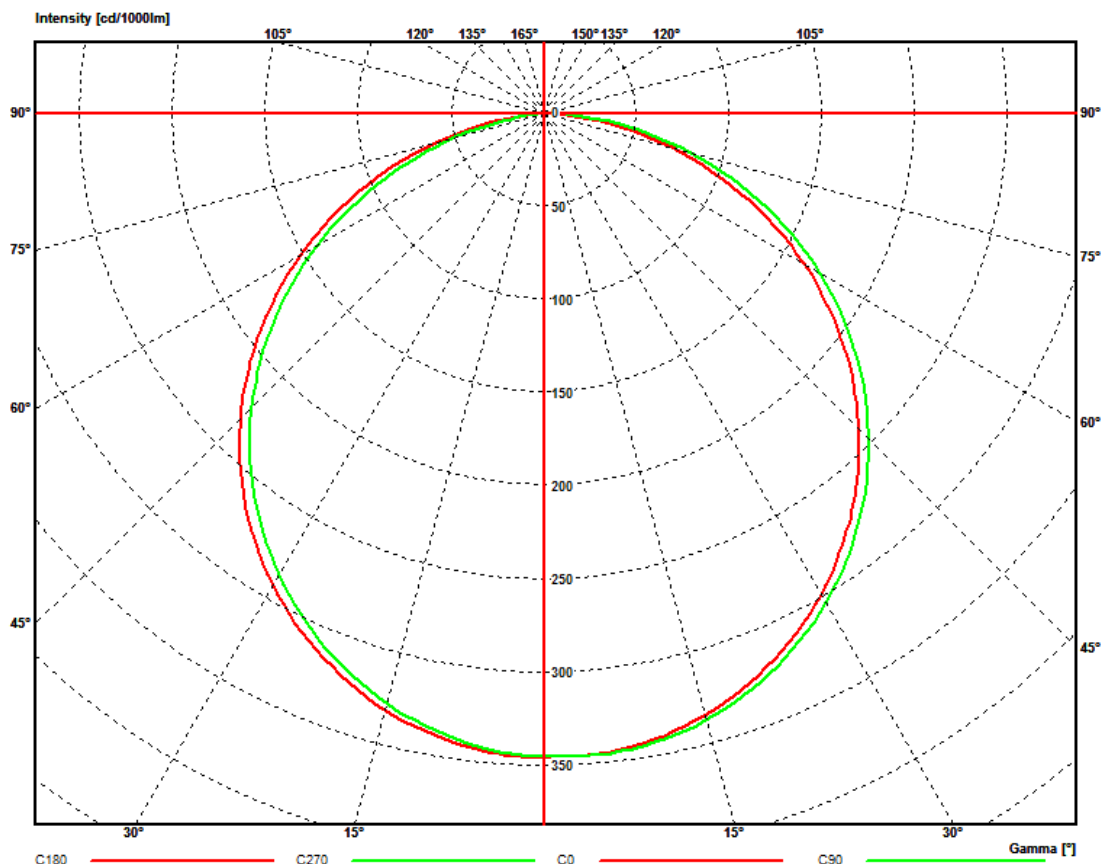
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### Polar diagram OPZS201705098-05002-sidaitongdeng-fang6W-3000K / C-Plane measurement





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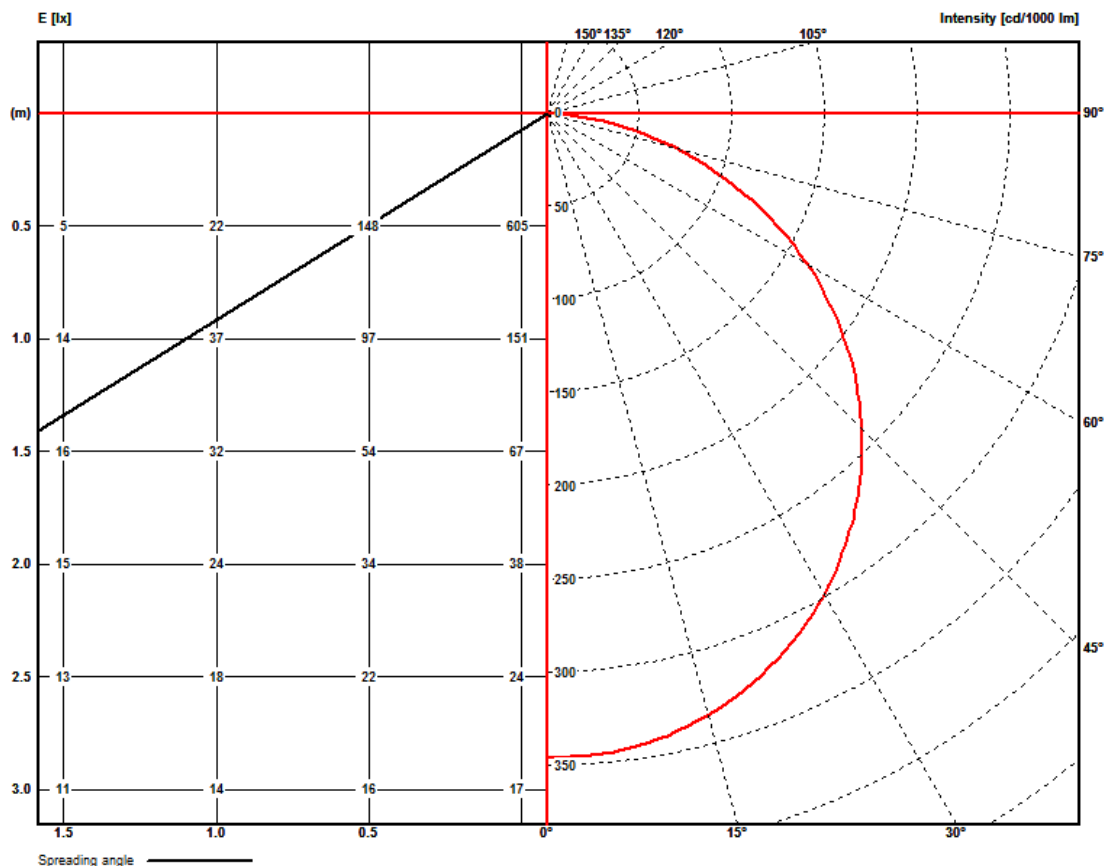
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### Illuminance and Intensity diagram OPZS201705098-05002-sidaitongdeng-fang6W-3000K / C-Plane measurement





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Cartesian diagram OPZS201705098-05002-sidaitongdeng-fang6W-3000K / C-Plane measurement

