



## PHOTOMETRIC RESULTS



<b>Name:</b>	OPZS201705098-08002-sidaitongdeng-fang24W-3000K		
<b>Program:</b>	Far-C15-G1-Downlight		
<b>Lum. flux:</b>	1938.75 lm	<b>Av. Voltage:</b>	220.0354 V
<b>Efficacy:</b>	85.09 lm/ W	<b>Av. Current:</b>	0.17213 A
<b>Maximum:</b>	661.590 cd	<b>Av. Power:</b>	22.789 W
<b>FluxCone-90:</b>	1021.76 lm	<b>Av. Power Factor:</b>	0.6017
<b>FluxCone-120:</b>	1510.09 lm	<b>Company:</b>	Oppl
<b>Date:</b>	5/22/2017 9:41:39 AM	<b>Operator:</b>	SLY

### Protocol

**LiTG-class:** A41  
**UTE-class:** 1.00 E  
**IES-class:** 46 - 78 - 95 - 100 - 100  
**TM5-class:** BZ4/0.75/BZ5/1.00/BZ4

#### Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	114.5°	114.5°
Half peak side angle (left)	-55.9°	-56.4°
Half peak side angle (right)	58.6°	58.0°
One tenth peak divergence	163.2°	163.4°
Tenth peak side angle (left)	-80.2°	-81.0°
Tenth peak side angle (right)	83.0°	82.4°

<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 OPZS201705098-08002-sidaitongdeng-fang24W-3000K / C-Plane measurement

[deg]	U [V]	I [A]	P [W]	PF
0.0	220.0350	0.17212	22.786	0.6017
15.0	220.0340	0.17212	22.789	0.6017
30.0	220.0360	0.17213	22.791	0.6017
45.0	220.0360	0.17213	22.788	0.6017
60.0	220.0350	0.17215	22.791	0.6017
75.0	220.0350	0.17216	22.790	0.6016
90.0	220.0370	0.17213	22.785	0.6016
180.0	220.0350	0.17212	22.786	0.6017
195.0	220.0340	0.17212	22.789	0.6017
210.0	220.0360	0.17213	22.791	0.6017
225.0	220.0360	0.17213	22.788	0.6017
240.0	220.0350	0.17215	22.791	0.6017
255.0	220.0350	0.17216	22.790	0.6016
270.0	220.0370	0.17213	22.785	0.6016



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## Zonal flux OPZS201705098-08002-sidaitongdeng-fang24W-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	661.5	661.6	661.6	0.00	0.00	0.00	0.00
1.0	661.2	661.6	661.4	0.63	0.63	0.03	0.03
2.0	660.8	661.4	661.1	1.90	2.53	0.10	0.13
3.0	660.2	661.0	660.6	3.16	5.69	0.16	0.29
4.0	659.4	660.4	659.9	4.42	10.11	0.23	0.52
5.0	658.2	659.6	658.9	5.67	15.79	0.29	0.81
6.0	656.9	658.4	657.7	6.92	22.71	0.36	1.17
7.0	655.3	657.2	656.3	8.16	30.86	0.42	1.59
8.0	653.5	655.7	654.6	9.38	40.24	0.48	2.08
9.0	651.5	654.1	652.8	10.60	50.84	0.55	2.62
10.0	649.2	652.0	650.6	11.80	62.63	0.61	3.23
11.0	646.7	649.8	648.3	12.98	75.61	0.67	3.90
12.0	643.9	647.3	645.7	14.15	89.76	0.73	4.63
13.0	641.2	644.7	642.9	15.29	105.05	0.79	5.42
14.0	638.0	641.9	639.9	16.42	121.47	0.85	6.27
15.0	634.7	638.7	636.8	17.53	139.00	0.90	7.17
16.0	631.2	635.3	633.3	18.61	157.61	0.96	8.13
17.0	627.5	632.0	629.7	19.67	177.28	1.01	9.14
18.0	623.5	628.1	625.9	20.70	197.98	1.07	10.21
19.0	619.3	624.3	621.8	21.71	219.69	1.12	11.33
20.0	614.9	620.0	617.6	22.68	242.37	1.17	12.50

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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	610.3	615.8	613.1	23.63	266.01	1.22	13.72
22.0	605.7	611.3	608.6	24.55	290.56	1.27	14.99
23.0	600.7	606.5	603.6	25.43	315.99	1.31	16.30
24.0	595.5	601.3	598.4	26.28	342.27	1.36	17.65
25.0	589.8	596.4	593.1	27.09	369.36	1.40	19.05
26.0	584.5	591.0	587.7	27.87	397.24	1.44	20.49
27.0	578.9	585.4	582.1	28.62	425.86	1.48	21.97
28.0	573.0	579.4	576.2	29.33	455.19	1.51	23.48
29.0	566.6	573.8	570.2	29.99	485.18	1.55	25.03
30.0	560.4	567.6	564.0	30.62	515.80	1.58	26.60
31.0	553.9	561.2	557.5	31.21	547.01	1.61	28.21
32.0	547.2	554.6	550.9	31.76	578.77	1.64	29.85
33.0	540.3	548.2	544.2	32.26	611.03	1.66	31.52
34.0	533.6	541.3	537.4	32.73	643.76	1.69	33.21
35.0	526.3	534.5	530.2	33.15	676.92	1.71	34.92
36.0	518.9	526.9	522.8	33.53	710.44	1.73	36.64
37.0	511.1	520.0	515.4	33.86	744.30	1.75	38.39
38.0	503.8	512.4	507.8	34.15	778.46	1.76	40.15
39.0	495.8	504.4	500.0	34.40	812.86	1.77	41.93
40.0	487.5	496.3	491.8	34.59	847.45	1.78	43.71
41.0	479.0	488.6	483.7	34.74	882.19	1.79	45.50
42.0	471.0	480.3	475.4	34.85	917.03	1.80	47.30
43.0	462.4	471.8	467.0	34.91	951.94	1.80	49.10
44.0	453.9	463.4	458.4	34.92	986.87	1.80	50.90
45.0	444.8	454.7	449.6	34.89	1021.76	1.80	52.70
46.0	435.8	445.6	440.6	34.82	1056.58	1.80	54.50
47.0	426.6	437.0	431.6	34.69	1091.27	1.79	56.29
48.0	417.4	427.3	422.1	34.51	1125.78	1.78	58.07
49.0	407.6	418.1	412.9	34.29	1160.07	1.77	59.84
50.0	398.5	409.1	403.5	34.04	1194.10	1.76	61.59
51.0	388.6	399.3	393.8	33.73	1227.83	1.74	63.33
52.0	378.7	389.0	383.8	33.37	1261.20	1.72	65.05
53.0	368.4	379.1	373.9	32.96	1294.16	1.70	66.75
54.0	358.7	369.6	363.9	32.52	1326.68	1.68	68.43
55.0	348.4	359.2	353.8	32.04	1358.71	1.65	70.08
56.0	338.3	349.1	343.4	31.50	1390.21	1.62	71.71
57.0	327.3	338.7	333.0	30.93	1421.14	1.60	73.30
58.0	317.3	328.7	322.6	30.32	1451.46	1.56	74.87
59.0	306.2	317.4	311.9	29.67	1481.13	1.53	76.40
60.0	295.7	307.0	301.1	28.96	1510.09	1.49	77.89

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61.0	285.1	296.1	290.3	28.23	1538.31	1.46	79.35
62.0	274.1	285.8	279.6	27.46	1565.78	1.42	80.76
63.0	262.9	274.8	268.8	26.67	1592.45	1.38	82.14
64.0	251.8	263.3	257.5	25.83	1618.28	1.33	83.47
65.0	241.0	252.2	246.5	24.94	1643.22	1.29	84.76
66.0	229.7	241.6	235.5	24.05	1667.27	1.24	86.00
67.0	218.9	230.2	224.4	23.13	1690.40	1.19	87.19
68.0	207.6	219.2	213.2	22.17	1712.57	1.14	88.33
69.0	196.4	207.7	202.1	21.19	1733.75	1.09	89.43
70.0	184.9	197.2	190.8	20.18	1753.93	1.04	90.47
71.0	174.3	185.8	179.7	19.15	1773.08	0.99	91.45
72.0	162.8	174.1	168.4	18.10	1791.18	0.93	92.39
73.0	151.7	163.2	157.3	17.03	1808.21	0.88	93.27
74.0	140.7	152.5	146.4	15.96	1824.18	0.82	94.09
75.0	130.3	141.2	135.7	14.91	1839.08	0.77	94.86
76.0	118.9	130.3	124.5	13.81	1852.90	0.71	95.57
77.0	108.1	119.1	113.7	12.70	1865.60	0.66	96.23
78.0	97.4	108.9	103.2	11.61	1877.21	0.60	96.83
79.0	87.3	98.5	92.9	10.54	1887.74	0.54	97.37
80.0	77.1	88.0	82.4	9.45	1897.20	0.49	97.86
81.0	66.7	78.0	72.1	8.36	1905.55	0.43	98.29
82.0	56.6	67.8	62.2	7.29	1912.84	0.38	98.66
83.0	47.3	58.0	52.6	6.24	1919.08	0.32	98.99
84.0	37.8	48.2	43.0	5.21	1924.29	0.27	99.25
85.0	28.9	39.0	33.9	4.20	1928.49	0.22	99.47
86.0	20.6	30.7	25.4	3.24	1931.74	0.17	99.64
87.0	13.9	22.5	17.7	2.36	1934.10	0.12	99.76
88.0	8.0	15.4	11.2	1.58	1935.68	0.08	99.84
89.0	4.0	9.4	6.2	0.95	1936.63	0.05	99.89
90.0	1.8	5.1	3.1	0.51	1937.14	0.03	99.92
91.0	1.2	2.5	1.6	0.25	1937.39	0.01	99.93
92.0	1.2	1.4	1.3	0.16	1937.55	0.01	99.94
93.0	1.2	1.4	1.4	0.15	1937.70	0.01	99.95
94.0	1.3	1.4	1.4	0.15	1937.85	0.01	99.95
95.0	1.3	1.4	1.4	0.15	1938.00	0.01	99.96
96.0	1.3	1.4	1.4	0.15	1938.15	0.01	99.97
97.0	1.3	1.4	1.4	0.15	1938.30	0.01	99.98
98.0	1.3	1.4	1.4	0.15	1938.45	0.01	99.98
99.0	1.3	1.4	1.4	0.15	1938.60	0.01	99.99
100.0	1.4	1.4	1.4	0.15	1938.75	0.01	100.00



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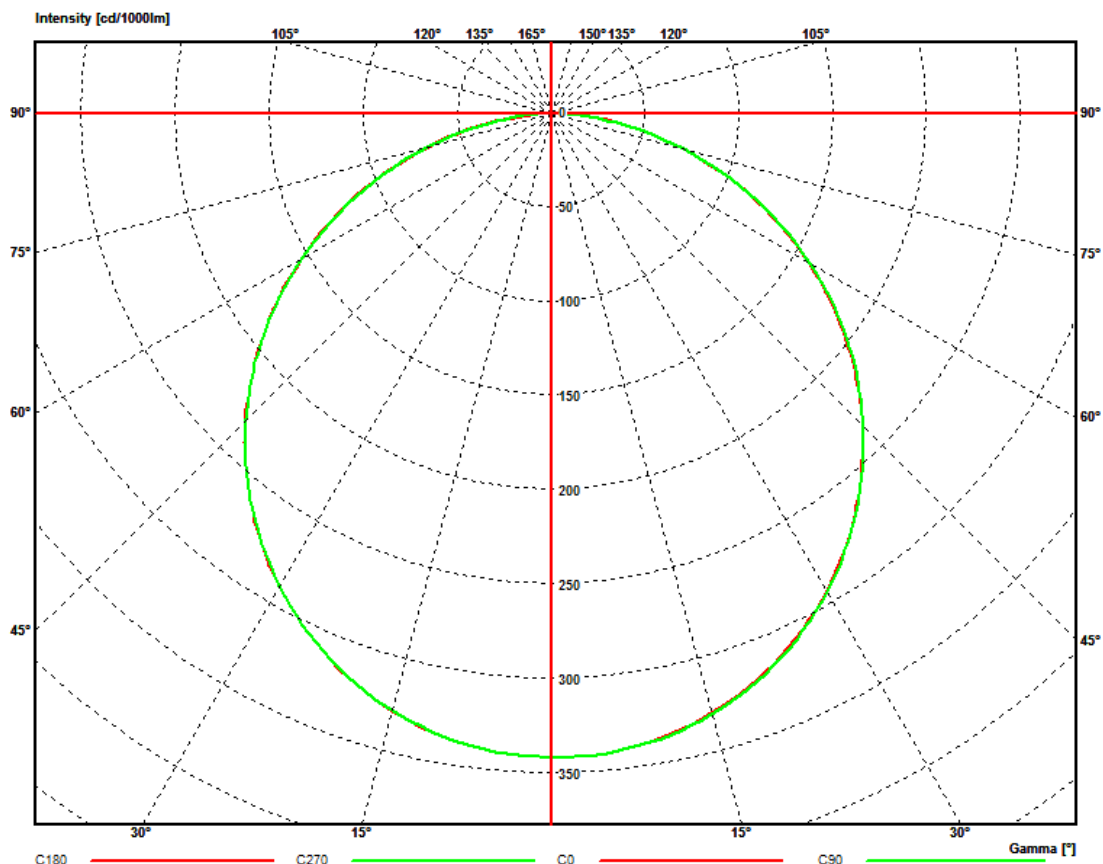
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**Polar diagram OPZS201705098-08002-sidaitongdeng-fang24W-3000K / C-Plane measurement**





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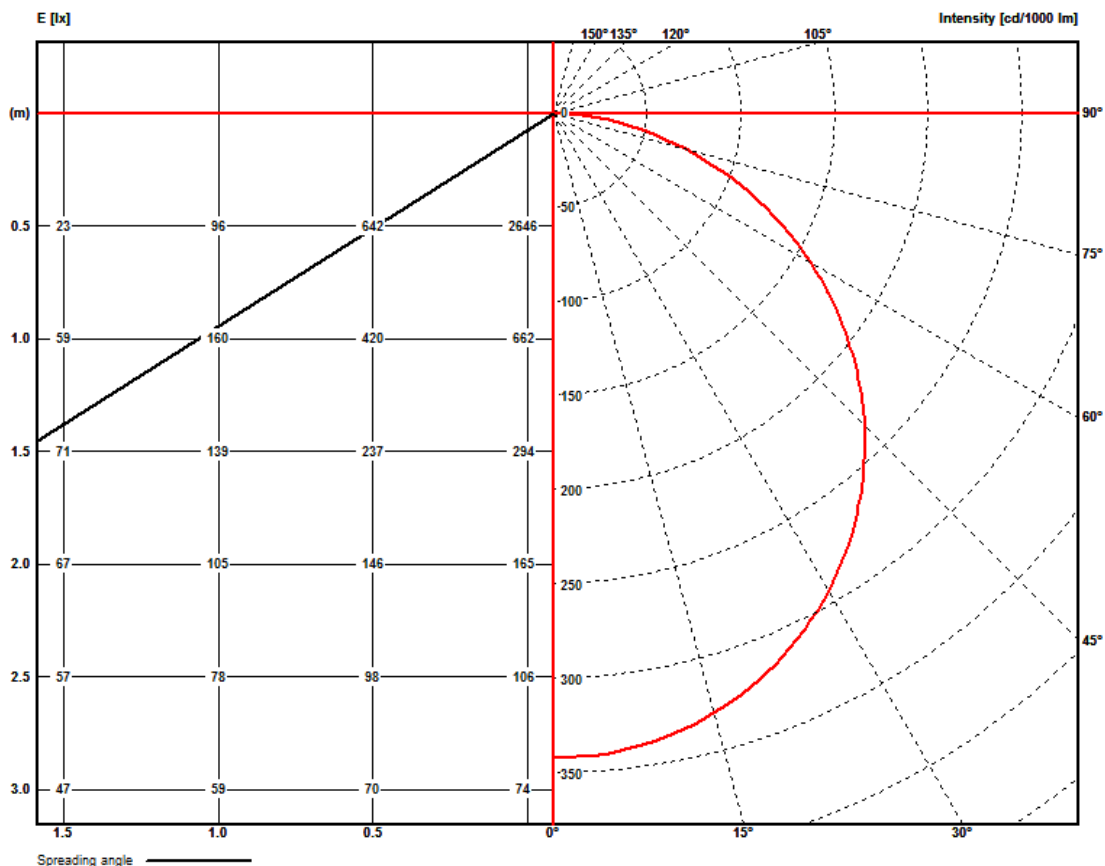
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### Illuminance and Intensity diagram OPZS201705098-08002-sidaitongdeng-fang24W-3000K / C-Plane measurement





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Cartesian diagram OPZS201705098-08002-sidaitongdeng-fang24W-3000K / C-Plane measurement

