

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX6XT-30LXXKMDE1-SD6XMWSOX.IES.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUE DATE]

[TEST DATE] Wed Sep 30 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00488\_1\_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-30L-xxK-MD-E1-SD6x-MW-SOX

[LUMINAIRE] 6" Square, Downlight, Medium Beam

[TRIM] Matte White, regressed Solite Lens

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: SDFO6, and SDZO6 series

[OTHER] For Trims: SD6F and SD6N series

[OTHER] LEDXT lumen output is the same for all available color temperatures

[OTHER] This report prepared by Spectrum Lighting, scaled from 50L report

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2186
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.76
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.79 ft
Luminous Width (90-270)	0.93 ft
Luminous Height	0.82 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX6XT-30LXXKMDE1-SD6XMWSOX.IES.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1195	1374	1321
55	1016	936	1119
65	825	721	934
75	553	484	655
85	218	172	247

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX6XT-30LXXKMDE1-SD6XMWSOX.IES.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	3319.788	3319.788	3319.788	3319.788	3319.788
<b>5</b>	3015.084	3018.930	3058.686	3031.776	3112.680
<b>10</b>	2494.362	2475.336	2486.712	2472.066	2465.670
<b>15</b>	1908.516	1917.822	1903.794	1898.082	1900.944
<b>20</b>	1637.208	1636.164	1660.596	1643.406	1620.312
<b>25</b>	1318.794	1349.802	1356.786	1361.610	1315.428
<b>30</b>	949.494	1023.732	1076.766	1032.498	947.760
<b>35</b>	342.564	592.374	906.492	593.454	343.896
<b>40</b>	132.744	173.898	507.600	172.920	130.398
<b>45</b>	117.120	128.100	155.940	124.740	119.814
<b>50</b>	115.188	115.782	119.532	117.372	106.554
<b>55</b>	98.316	103.578	107.292	105.954	98.844
<b>60</b>	89.064	93.360	96.606	91.896	89.664
<b>65</b>	76.422	81.450	80.988	82.716	77.748
<b>70</b>	65.712	68.772	68.826	67.848	65.244
<b>75</b>	47.310	49.512	51.666	50.166	49.506
<b>80</b>	31.860	31.806	31.536	31.992	31.746
<b>85</b>	16.566	15.234	16.842	16.146	16.206
<b>90</b>	5.232	4.512	3.690	4.230	3.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX6XT-30LXXKMDE1-SD6XMWSOX.IES.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	826.13	N.A.	37.80
0-30	1439.09	N.A.	65.80
0-40	1821.73	N.A.	83.30
0-60	2035.06	N.A.	93.10
0-80	2167.38	N.A.	99.20
0-90	2185.96	N.A.	100.00
10-90	1912.36	N.A.	87.50
20-40	995.60	N.A.	45.50
20-50	1115.69	N.A.	51.00
40-70	293.03	N.A.	13.40
60-80	132.32	N.A.	6.10
70-80	52.62	N.A.	2.40
80-90	18.58	N.A.	0.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2185.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

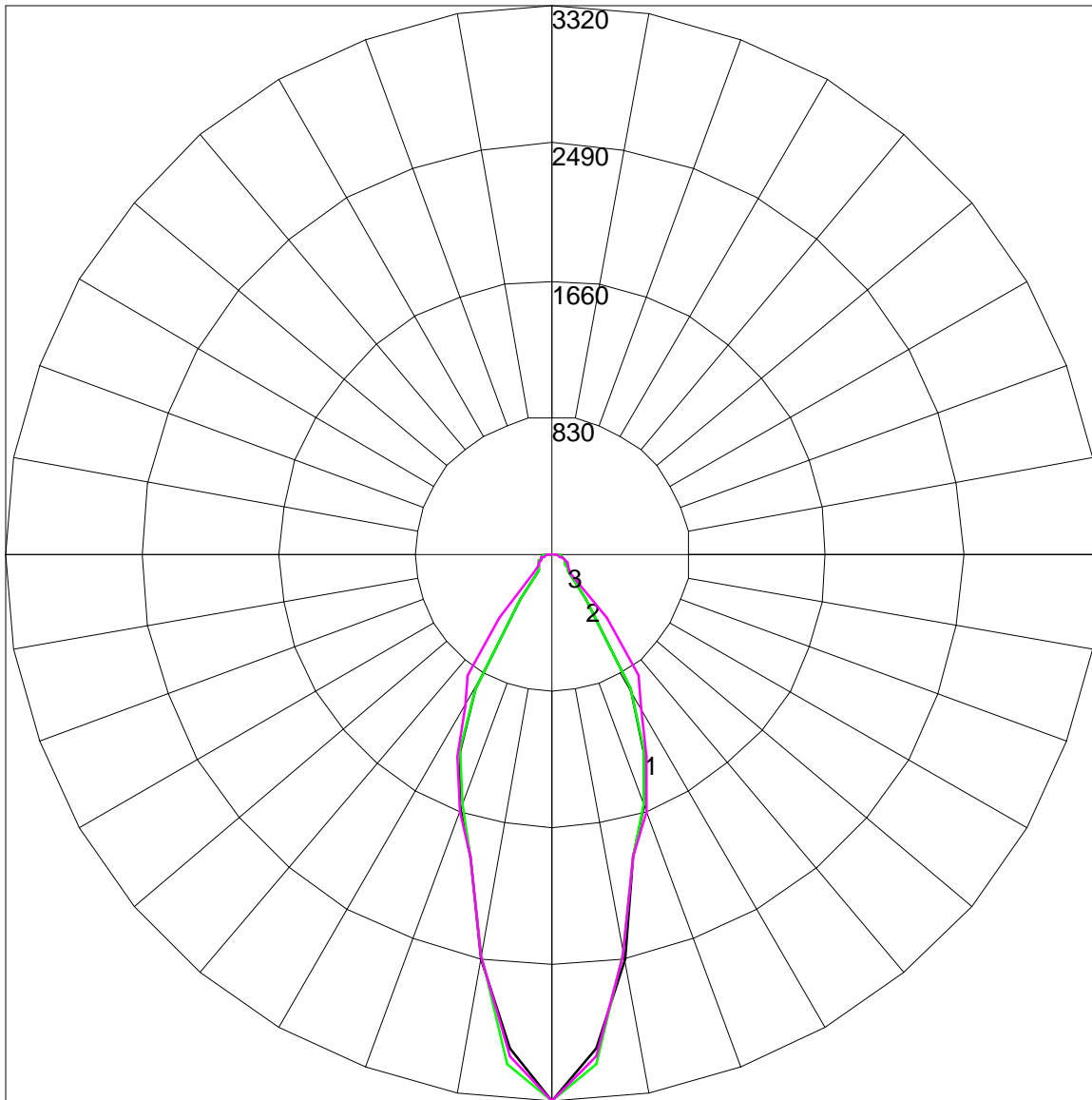
Zone	Lumens
0-10	273.60
10-20	552.53
20-30	612.96
30-40	382.64
40-50	120.10
50-60	93.24
60-70	79.69
70-80	52.62
80-90	18.58
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71
5	90	80	74	69	88	80	74	69	78	72	68	76	71	68	74	70	67	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61
7	81	71	64	60	79	70	64	60	69	63	59	68	63	59	66	62	59	57
8	77	67	61	56	76	66	60	56	65	60	56	64	59	56	63	59	55	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48

POLAR GRAPH



Maximum Candela = 3319.788 Located At Horizontal Angle = 0, Vertical Angle = 0

# 1 - Vertical Plane Through Horizontal Angles (0 - 180)

# 2 - Vertical Plane Through Horizontal Angles (90 - 270)

# 3 - Vertical Plane Through Horizontal Angles (45 - 225)