

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX6XT-40LXXKWDE1-SD6XMWSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: www.ltiopics.com/ies

[ISSUEDATE]

[TESTDATE] Wed Sep 30 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00488\_2\_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-40L-xxK-WD-E1-SD6x-MW-SOX

[LUMINAIRE] 6" Square, Downlight, Wide 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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2832
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.92
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

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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1506	1691	1679
55	1183	1128	1315
65	972	877	1179
75	671	560	793
85	241	204	293

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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>	3161.335	3161.335	3161.335	3161.335	3161.335
<b>5</b>	2767.049	2770.991	2780.501	2834.370	2808.706
<b>10</b>	2682.403	2643.341	2709.491	2666.610	2665.447
<b>15</b>	2763.946	2758.502	2779.569	2804.032	2745.011
<b>20</b>	2360.543	2365.748	2348.708	2356.115	2362.060
<b>25</b>	1872.994	1885.953	1903.671	1882.904	1893.184
<b>30</b>	1330.729	1435.457	1493.199	1441.217	1343.173
<b>35</b>	431.084	755.047	1142.264	753.822	425.779
<b>40</b>	187.395	244.113	676.021	246.585	184.199
<b>45</b>	147.671	156.964	191.838	155.879	152.298
<b>50</b>	134.442	140.317	142.619	141.203	131.801
<b>55</b>	114.476	123.238	129.391	121.152	116.193
<b>60</b>	103.696	113.552	114.306	113.144	105.013
<b>65</b>	90.005	98.021	98.598	97.436	98.183
<b>70</b>	78.209	81.728	78.170	79.518	78.532
<b>75</b>	57.473	60.545	59.790	61.723	59.968
<b>80</b>	37.776	38.939	39.740	39.154	39.663
<b>85</b>	18.357	20.436	19.920	19.196	19.235
<b>90</b>	5.151	5.067	6.106	4.504	5.760

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1012.85	N.A.	35.80
0-30	1877.86	N.A.	66.30
0-40	2386.19	N.A.	84.20
0-60	2651.2	N.A.	93.60
0-80	2809.63	N.A.	99.20
0-90	2832.39	N.A.	100.00
10-90	2565.64	N.A.	90.60
20-40	1373.34	N.A.	48.50
20-50	1527.47	N.A.	53.90
40-70	360.36	N.A.	12.70
60-80	158.42	N.A.	5.60
70-80	63.08	N.A.	2.20
80-90	22.77	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	2832.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	266.75
10-20	746.10
20-30	865.01
30-40	508.33
40-50	154.13
50-60	110.88
60-70	95.34
70-80	63.08
80-90	22.77
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

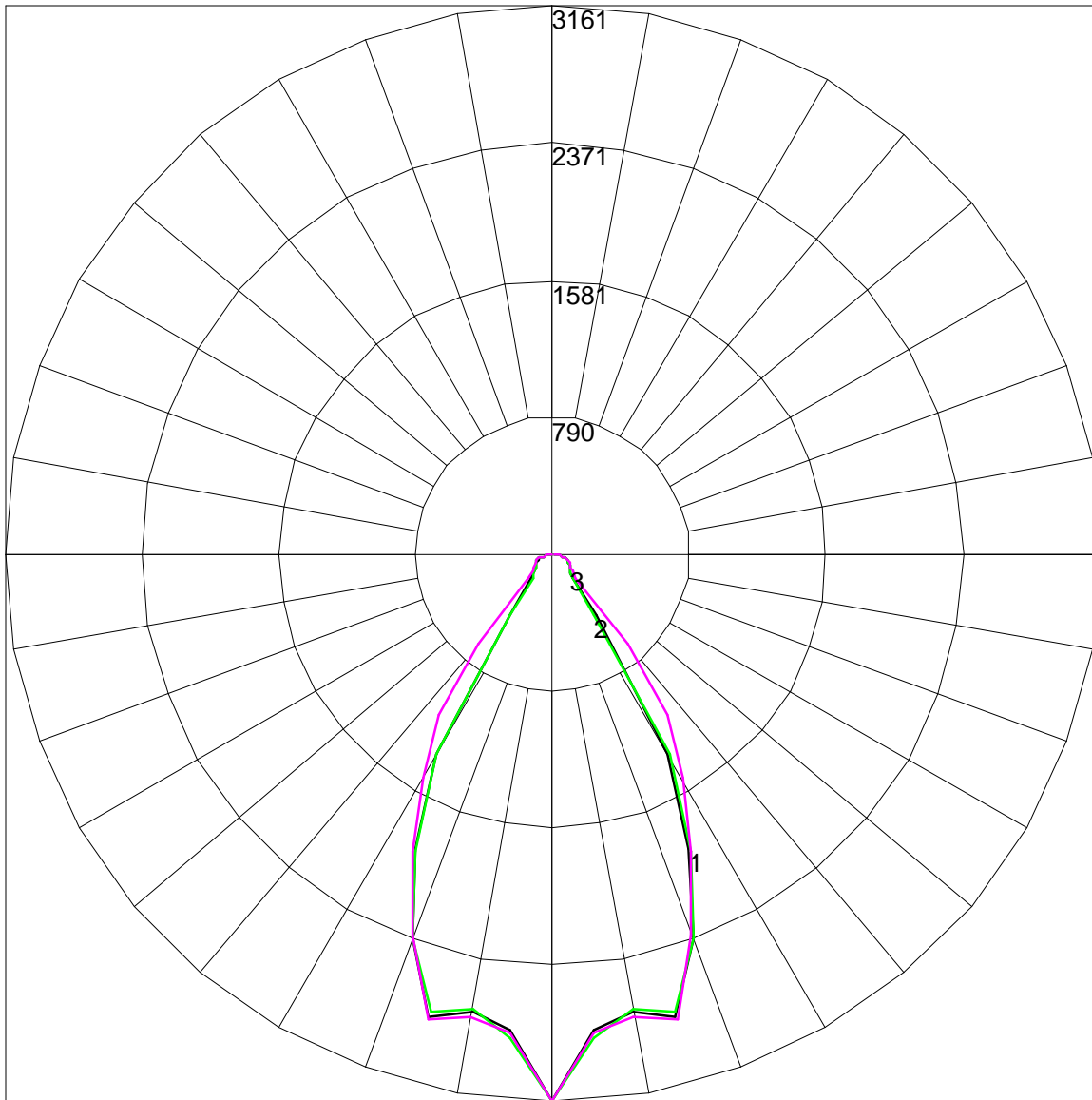
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	62	58	57
8	76	66	60	55	75	66	59	55	64	59	55	63	58	55	62	58	54	53
9	73	62	56	52	71	62	56	52	61	55	52	60	55	51	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	49	57	52	48	56	52	48	47

POLAR GRAPH



Maximum Candela = 3161.335 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)