

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX6XT-13LXXKWDE1-SD6XMWSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Wed Sep 30 2015

[UPDATE] Tue Dec 1 2015

[TEST] SP-00488\_2\_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-13L-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: SDFI6, SDFO6, SDZI6, 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	956
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	15
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	509	571	567
55	399	381	444
65	328	296	398
75	227	189	268
85	82	69	99

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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>	1067.464	1067.464	1067.464	1067.464	1067.464
<b>5</b>	934.328	935.659	938.870	957.060	948.394
<b>10</b>	905.746	892.557	914.893	900.414	900.021
<b>15</b>	933.280	931.442	938.556	946.816	926.887
<b>20</b>	797.066	798.824	793.070	795.571	797.579
<b>25</b>	632.440	636.815	642.798	635.786	639.257
<b>30</b>	449.337	484.700	504.197	486.645	453.539
<b>35</b>	145.561	254.951	385.700	254.537	143.770
<b>40</b>	63.276	82.428	228.267	83.262	62.197
<b>45</b>	49.863	53.001	64.776	52.634	51.425
<b>50</b>	45.396	47.380	48.157	47.679	44.504
<b>55</b>	38.654	41.613	43.690	40.908	39.234
<b>60</b>	35.014	38.342	38.597	38.204	35.459
<b>65</b>	30.391	33.098	33.293	32.900	33.153
<b>70</b>	26.408	27.596	26.395	26.850	26.517
<b>75</b>	19.406	20.444	20.189	20.842	20.249
<b>80</b>	12.756	13.148	13.419	13.221	13.393
<b>85</b>	6.198	6.900	6.726	6.482	6.495
<b>90</b>	1.739	1.711	2.062	1.521	1.945

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	342.00	N.A.	35.80
0-30	634.08	N.A.	66.30
0-40	805.73	N.A.	84.20
0-60	895.21	N.A.	93.60
0-80	948.71	N.A.	99.20
0-90	956.39	N.A.	100.00
10-90	866.32	N.A.	90.60
20-40	463.73	N.A.	48.50
20-50	515.77	N.A.	53.90
40-70	121.68	N.A.	12.70
60-80	53.49	N.A.	5.60
70-80	21.30	N.A.	2.20
80-90	7.69	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	956.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	90.07
10-20	251.93
20-30	292.08
30-40	171.64
40-50	52.04
50-60	37.44
60-70	32.19
70-80	21.30
80-90	7.69
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

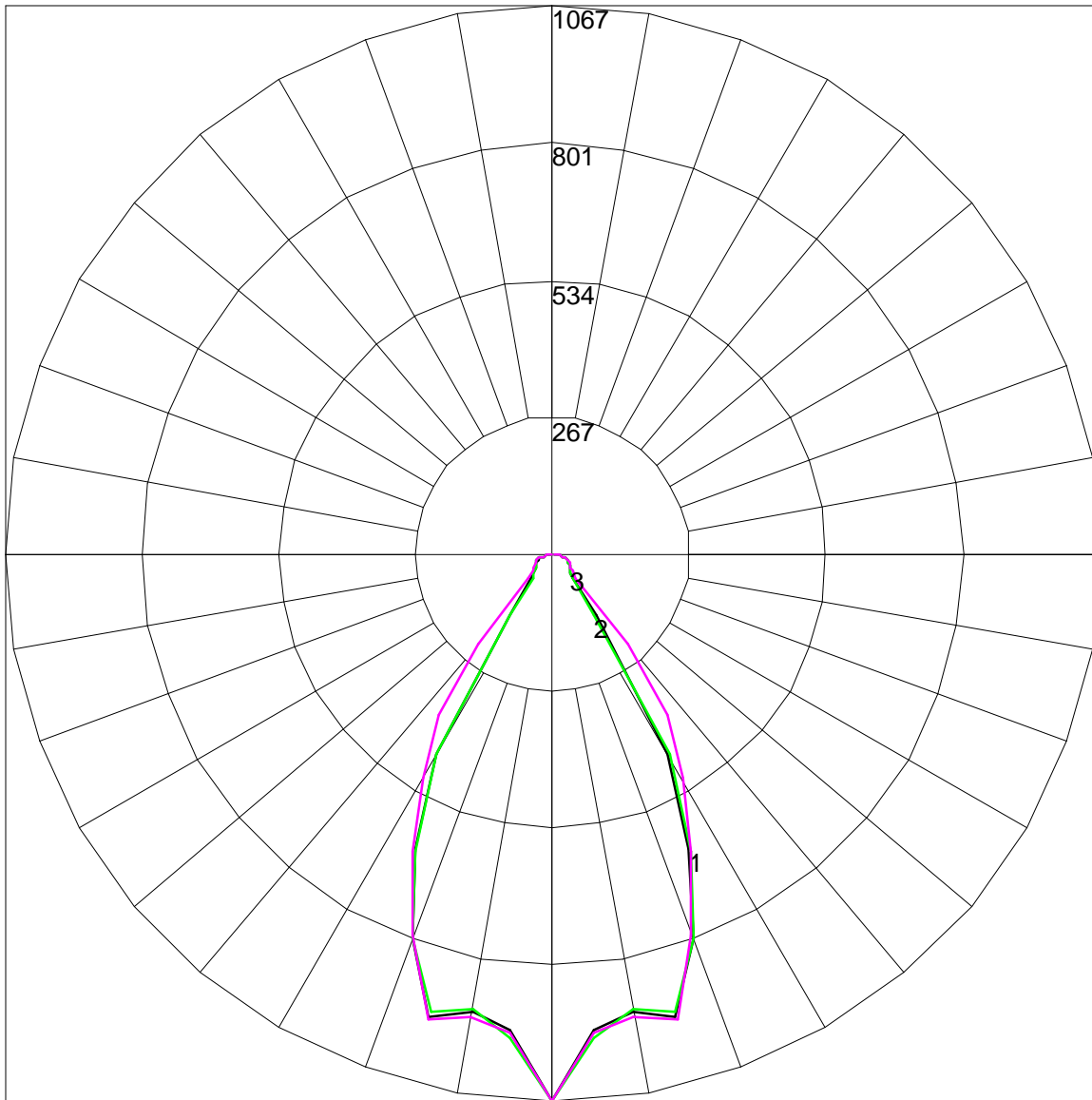
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	64	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	55	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 = 1067.464 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)