

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX6XT-10LXXKMDE1-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] Tue Dec 1 2015

[TEST] SP-00488\_1\_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-10L-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: 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	703
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	11.1
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-10LXXKMDE1-SD6XMWSOX.IES.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	384	442	425
55	327	301	360
65	265	232	300
75	178	156	211
85	70	55	79

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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>	1067.865	1067.865	1067.865	1067.865	1067.865
<b>5</b>	969.852	971.089	983.877	975.221	1001.245
<b>10</b>	802.353	796.233	799.892	795.181	793.124
<b>15</b>	613.906	616.899	612.387	610.550	611.470
<b>20</b>	526.635	526.299	534.158	528.629	521.200
<b>25</b>	424.212	434.186	436.433	437.985	423.129
<b>30</b>	305.421	329.300	346.360	332.120	304.863
<b>35</b>	110.191	190.547	291.588	190.894	110.620
<b>40</b>	42.699	55.937	163.278	55.623	41.945
<b>45</b>	37.674	41.206	50.161	40.125	38.540
<b>50</b>	37.052	37.243	38.449	37.755	34.275
<b>55</b>	31.625	33.318	34.512	34.082	31.795
<b>60</b>	28.649	30.031	31.075	29.560	28.842
<b>65</b>	24.582	26.200	26.051	26.607	25.009
<b>70</b>	21.137	22.122	22.139	21.824	20.987
<b>75</b>	15.218	15.926	16.619	16.137	15.924
<b>80</b>	10.248	10.231	10.144	10.291	10.212
<b>85</b>	5.329	4.900	5.418	5.194	5.213
<b>90</b>	1.683	1.451	1.187	1.361	0.965

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX6XT-10LXXKMDE1-SD6XMWSOX.IES.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	265.74	N.A.	37.80
0-30	462.91	N.A.	65.80
0-40	585.99	N.A.	83.30
0-60	654.61	N.A.	93.10
0-80	697.17	N.A.	99.10
0-90	703.15	N.A.	100.00
10-90	615.14	N.A.	87.50
20-40	320.25	N.A.	45.50
20-50	358.88	N.A.	51.00
40-70	94.26	N.A.	13.40
60-80	42.56	N.A.	6.10
70-80	16.93	N.A.	2.40
80-90	5.98	N.A.	0.90
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	703.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	88.01
10-20	177.73
20-30	197.17
30-40	123.08
40-50	38.63
50-60	29.99
60-70	25.63
70-80	16.93
80-90	5.98
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

# IES INDOOR REPORT

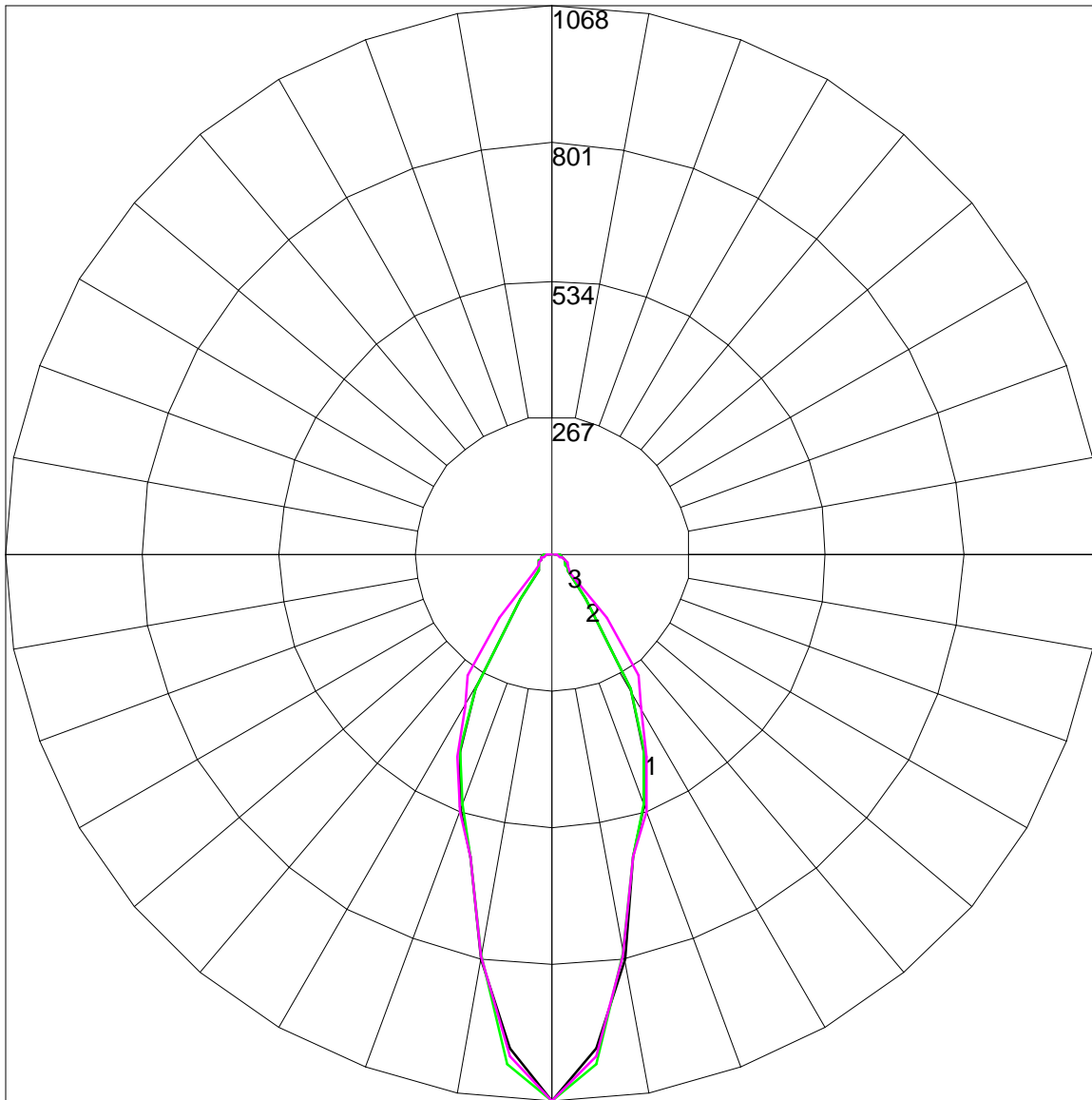
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	83	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	81	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	65	60	79	70	64	60	69	63	60	68	63	59	67	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 = 1067.865 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)