

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX6XT-10LXXKXWE1-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] Wed Jul 13 2016

[TEST] SP-00488\_3\_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6LEDXT-10L-xxK-XW-E1-SD6x-MW-SOX

[LUMINAIRE] 6" Square, Downlight, Xtra 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	725
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.82
Spacing Criterion (90-270)	0.80
Spacing Criterion (Diagonal)	0.94
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2638	3368	2661
55	2085	2458	2169
65	2223	2372	2256
75	2314	2354	2272
85	2071	2247	2347

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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>	812.283	812.283	812.283	812.283	812.283
<b>5</b>	784.811	791.354	786.774	781.339	800.742
<b>10</b>	751.403	746.028	755.416	746.972	743.459
<b>15</b>	648.683	660.344	661.664	658.788	657.993
<b>20</b>	537.692	538.989	540.925	537.214	529.860
<b>25</b>	459.448	466.707	472.406	465.663	464.238
<b>30</b>	371.845	392.419	394.230	389.173	369.387
<b>35</b>	141.069	221.605	317.500	223.185	139.896
<b>40</b>	54.505	67.975	176.358	69.025	55.098
<b>45</b>	43.371	46.582	55.372	46.797	43.743
<b>50</b>	32.621	35.134	35.871	35.118	32.426
<b>55</b>	27.796	30.768	32.771	31.254	28.925
<b>60</b>	24.233	26.144	26.595	26.665	25.686
<b>65</b>	21.836	22.558	23.309	22.894	22.164
<b>70</b>	17.901	18.790	19.101	18.765	17.897
<b>75</b>	13.925	14.649	14.166	14.444	13.668
<b>80</b>	8.722	9.262	9.700	9.119	8.822
<b>85</b>	4.196	4.777	4.553	4.804	4.756
<b>90</b>	1.278	1.448	1.283	1.357	1.058

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	256.20	N.A.	35.30
0-30	469.52	N.A.	64.70
0-40	612.70	N.A.	84.50
0-60	682.74	N.A.	94.10
0-80	719.94	N.A.	99.30
0-90	725.34	N.A.	100.00
10-90	651.23	N.A.	89.80
20-40	356.50	N.A.	49.10
20-50	399.16	N.A.	55.00
40-70	92.36	N.A.	12.70
60-80	37.21	N.A.	5.10
70-80	14.88	N.A.	2.10
80-90	5.40	N.A.	0.70
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	725.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	74.12
10-20	182.08
20-30	213.32
30-40	143.18
40-50	42.66
50-60	27.38
60-70	22.32
70-80	14.88
80-90	5.40
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

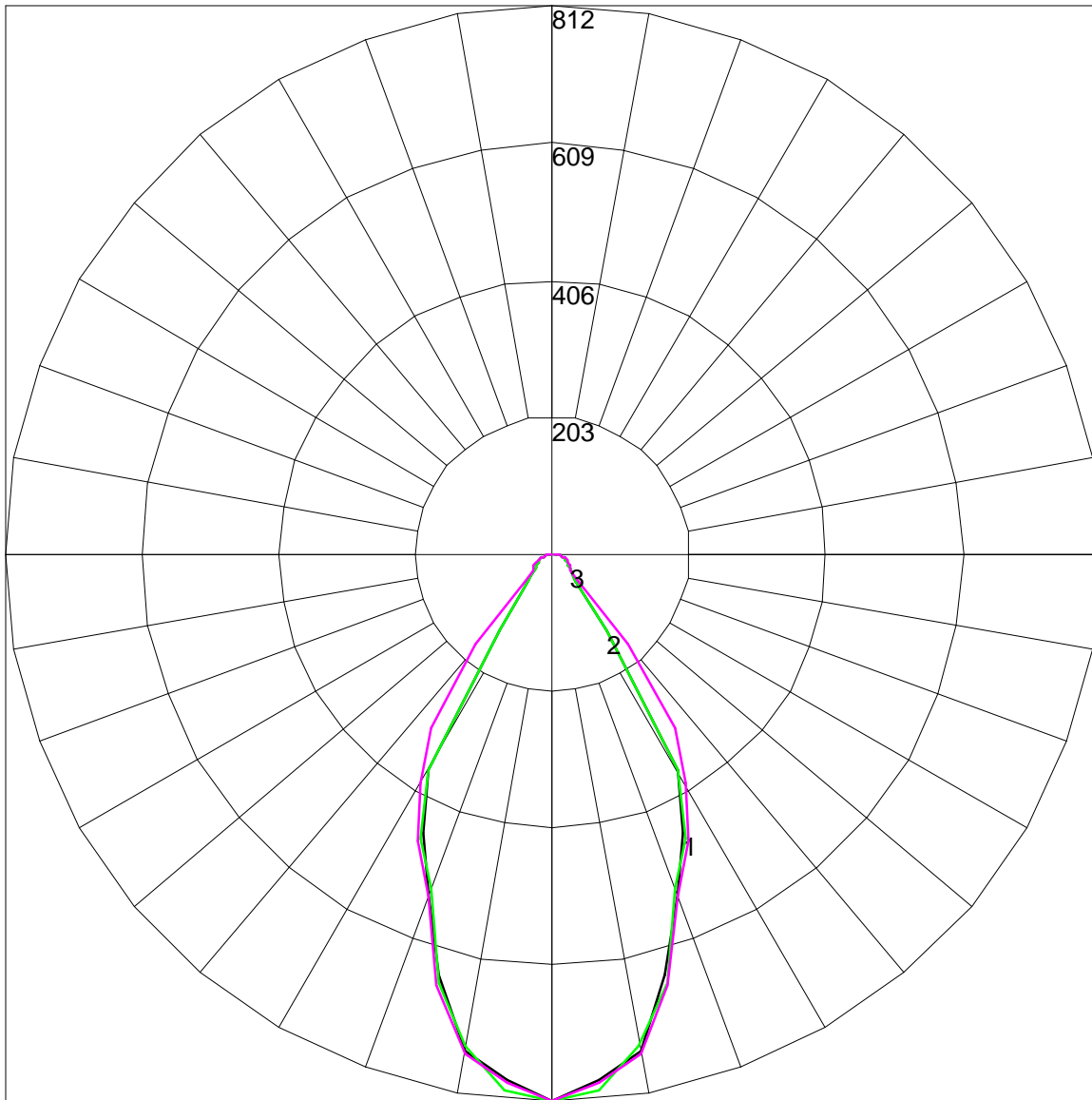
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	98	96	96	94	93	91
2	106	100	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83
3	100	93	87	83	98	91	86	82	89	84	81	86	83	79	84	81	78	77
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71
5	89	80	74	69	88	79	73	69	77	72	68	76	71	68	74	70	67	65
6	85	75	69	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	59	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 = 812.283 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)