

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX6XT-10LXXKNDE1-SD6XMWGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Wed Sep 30 2015

[UPDATE] Tue Dec 1 2015

[TEST] SP-00488\_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-10L-xxK-ND-E1-SD6x-MW-GLX

[LUMINAIRE] 6" Square, Downlight, Narrow Beam

[TRIM] Matte White, regressed clear glass 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	762
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.44
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	109	145	115
55	86	79	101
65	65	57	69
75	44	42	56
85	23	20	26

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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>	2912.227	2912.227	2912.227	2912.227	2912.227
<b>5</b>	2509.560	2528.848	2502.701	2503.467	2507.769
<b>10</b>	1766.753	1750.732	1762.163	1763.144	1774.905
<b>15</b>	991.912	1004.196	998.285	997.862	1001.510
<b>20</b>	446.164	447.947	443.844	445.610	445.863
<b>25</b>	286.312	285.536	289.423	288.747	287.066
<b>30</b>	242.111	250.128	252.214	253.311	237.463
<b>35</b>	69.656	132.991	178.330	133.018	70.356
<b>40</b>	11.667	22.764	71.723	22.608	10.937
<b>45</b>	10.665	10.590	16.455	10.358	10.410
<b>50</b>	10.601	10.256	9.936	9.787	9.449
<b>55</b>	8.318	9.216	9.083	8.679	8.922
<b>60</b>	7.434	7.795	8.042	8.010	7.475
<b>65</b>	6.010	6.496	6.444	6.552	5.784
<b>70</b>	4.690	5.356	5.726	5.331	4.692
<b>75</b>	3.767	4.638	4.528	4.425	4.207
<b>80</b>	2.947	3.700	3.571	3.719	3.171
<b>85</b>	1.752	2.212	1.947	2.266	1.727
<b>90</b>	0.591	0.772	0.791	0.683	0.511

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	500.56	N.A.	65.70
0-30	645.37	N.A.	84.70
0-40	727.76	N.A.	95.60
0-60	748.34	N.A.	98.30
0-80	759.37	N.A.	99.70
0-90	761.63	N.A.	100.00
10-90	543.96	N.A.	71.40
20-40	227.21	N.A.	29.80
20-50	239.81	N.A.	31.50
40-70	26.97	N.A.	3.50
60-80	11.03	N.A.	1.40
70-80	4.64	N.A.	0.60
80-90	2.26	N.A.	0.30
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	761.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	217.68
10-20	282.88
20-30	144.81
30-40	82.39
40-50	12.61
50-60	7.98
60-70	6.39
70-80	4.64
80-90	2.26
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

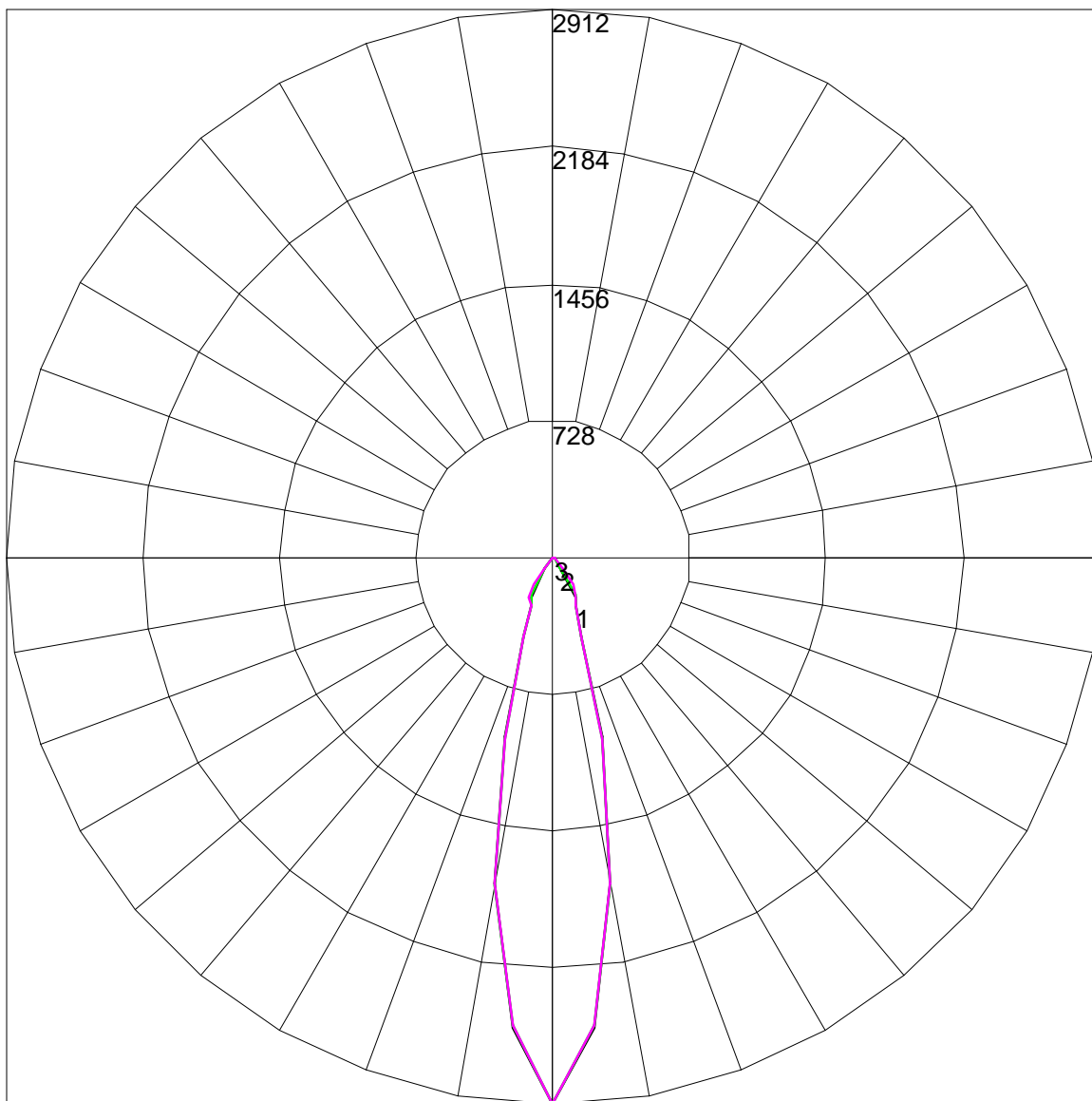
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	82
5	98	91	86	83	96	90	86	82	88	84	82	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	84	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	65

POLAR GRAPH



Maximum Candela = 2912.227 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)