

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-13LXXKNDE1-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-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-13L-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	1026
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	15
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	147	195	155
55	116	107	136
65	87	77	94
75	59	57	75
85	31	27	35

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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>
0	3923.207	3923.207	3923.207	3923.207	3923.207
5	3380.754	3406.738	3371.513	3372.546	3378.341
10	2380.082	2358.499	2373.899	2375.220	2391.064
15	1336.254	1352.803	1344.840	1344.270	1349.184
20	601.050	603.452	597.925	600.304	600.644
25	385.705	384.660	389.896	388.986	386.721
30	326.160	336.960	339.771	341.247	319.899
35	93.837	179.158	240.237	179.195	94.780
40	15.717	30.667	96.621	30.456	14.734
45	14.368	14.266	22.168	13.954	14.024
50	14.282	13.816	13.385	13.185	12.730
55	11.206	12.415	12.236	11.692	12.020
60	10.015	10.501	10.834	10.790	10.070
65	8.096	8.752	8.681	8.827	7.792
70	6.318	7.215	7.714	7.181	6.321
75	5.075	6.248	6.100	5.962	5.668
80	3.970	4.984	4.810	5.010	4.272
85	2.361	2.980	2.623	3.052	2.327
90	0.796	1.040	1.066	0.920	0.689

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	674.32	N.A.	65.70
0-30	869.41	N.A.	84.70
0-40	980.40	N.A.	95.60
0-60	1008.13	N.A.	98.30
0-80	1022.99	N.A.	99.70
0-90	1026.03	N.A.	100.00
10-90	732.79	N.A.	71.40
20-40	306.08	N.A.	29.80
20-50	323.06	N.A.	31.50
40-70	36.33	N.A.	3.50
60-80	14.86	N.A.	1.40
70-80	6.26	N.A.	0.60
80-90	3.04	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	1026.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	293.24
10-20	381.08
20-30	195.09
30-40	110.99
40-50	16.98
50-60	10.74
60-70	8.61
70-80	6.26
80-90	3.04
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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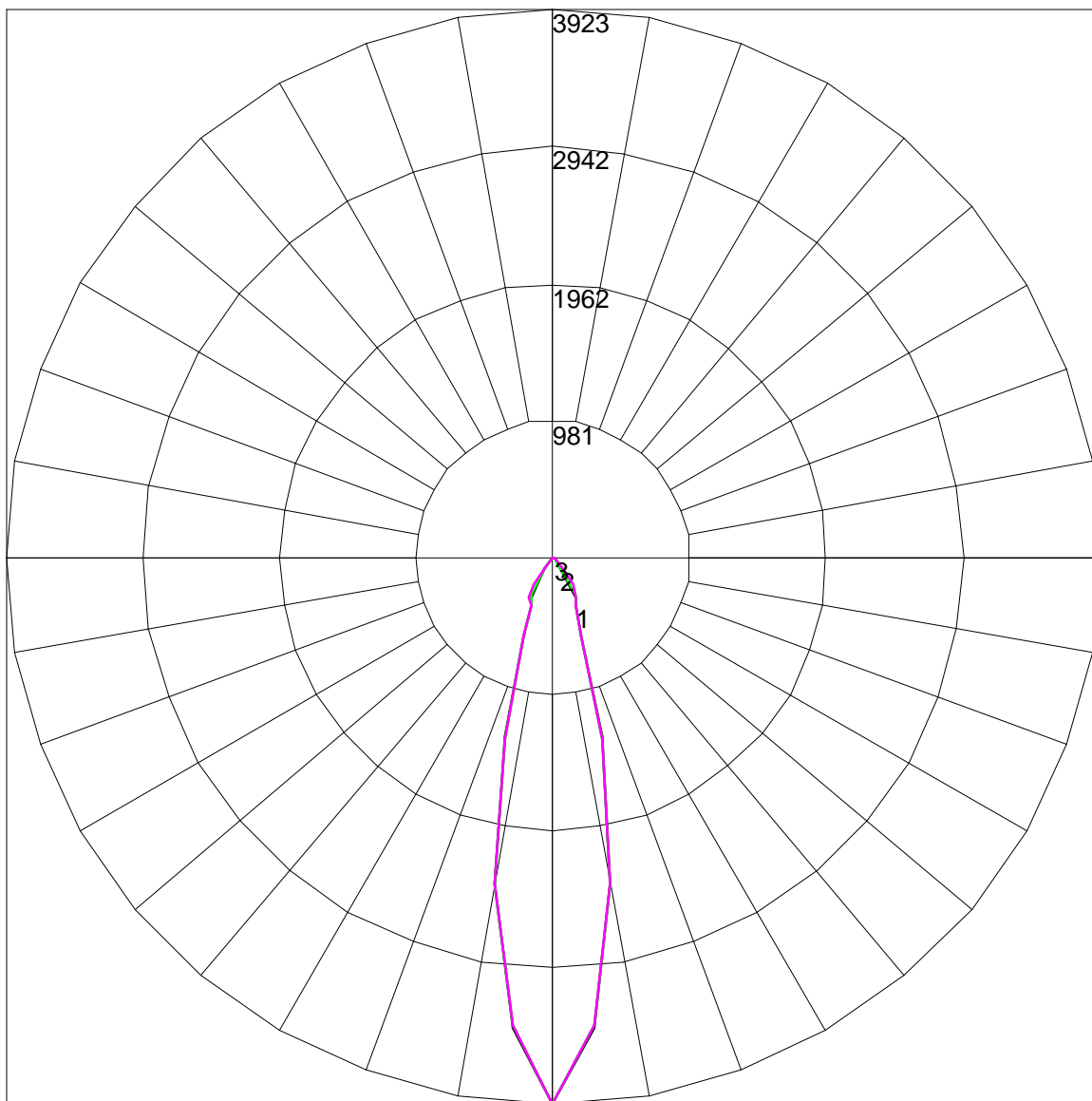
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86
4	101	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79
6	94	87	82	79	93	86	82	79	85	81	78	84	80	78	82	79	77	76
7	91	84	79	75	90	83	78	75	82	78	75	81	77	74	80	77	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	78	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

POLAR GRAPH



Maximum Candela = 3923.207 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)