

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX4XT-10LXXKNDE1-SD4XMWGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Wed Sep 30 2015

[UPDATE] Wed Jul 13 2016

[TEST] SP-00487_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx4XT-10L-xxK-ND-E1-SD4x-MW-GLX

[LUMINAIRE] 4" 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: SDFI4, SDFO4, SDZI4, and SDZO4 series

[OTHER] For Trims: SD4F and SD4N 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	804
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
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
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	0.33 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	2128	2425	2120
55	2536	2582	2437
65	2467	2942	2708
75	2933	2901	2937
85	3126	3068	2549

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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	3145.547	3145.547	3145.547	3145.547	3145.547
5	2778.276	2789.981	2795.833	2778.370	2832.310
10	1957.107	1983.720	1981.869	1983.081	1996.498
15	1101.245	1102.572	1103.950	1100.770	1098.936
20	495.035	497.259	502.972	495.132	497.506
25	297.548	323.177	336.849	321.353	292.368
30	97.762	173.061	275.328	168.946	97.579
35	23.274	40.378	134.801	40.800	22.118
40	16.127	18.318	31.596	18.767	16.144
45	15.542	16.548	17.715	16.253	15.484
50	14.969	15.500	16.563	15.511	14.639
55	15.027	14.726	15.297	15.201	14.442
60	12.927	13.392	13.867	13.309	12.946
65	10.769	11.951	12.844	12.593	11.821
70	10.443	11.022	10.756	11.115	10.308
75	7.842	8.388	7.755	8.295	7.853
80	5.084	5.572	5.520	5.749	5.234
85	2.814	2.710	2.762	2.714	2.295
90	0.971	0.840	0.762	0.809	0.461

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	556.49	N.A.	69.20
0-30	705.18	N.A.	87.70
0-40	753.78	N.A.	93.70
0-60	780.46	N.A.	97.00
0-80	801.06	N.A.	99.60
0-90	804.23	N.A.	100.00
10-90	562.48	N.A.	69.90
20-40	197.29	N.A.	24.50
20-50	210.76	N.A.	26.20
40-70	38.71	N.A.	4.80
60-80	20.60	N.A.	2.60
70-80	8.57	N.A.	1.10
80-90	3.17	N.A.	0.40
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	804.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	241.76
10-20	314.74
20-30	148.69
30-40	48.60
40-50	13.47
50-60	13.21
60-70	12.03
70-80	8.57
80-90	3.17
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

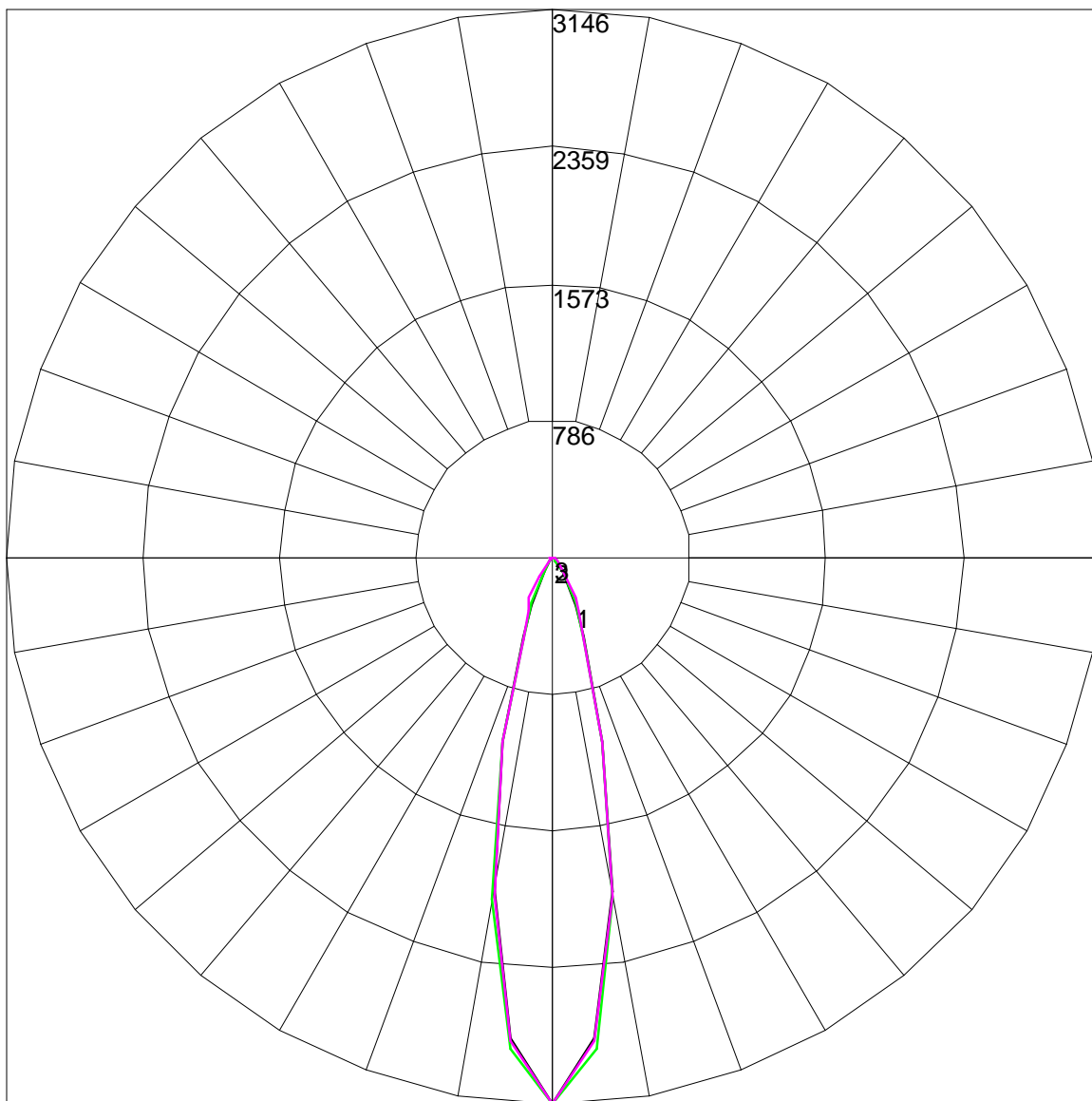
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	110	108	106	106	104	103	102	101	99	98	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	93	104	99	95	92	96	93	90	94	91	89	92	89	88	86
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	95	88	83	79	93	87	82	79	85	82	79	84	81	78	83	80	78	76
7	92	84	80	76	90	84	79	76	83	79	76	81	78	75	80	77	75	74
8	89	81	77	73	88	81	76	73	80	76	73	79	75	73	78	75	72	71
9	86	79	74	71	85	78	74	71	77	73	70	76	73	70	76	72	70	69
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67

POLAR GRAPH



Maximum Candela = 3145.547 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)