

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-40LXXKNDE1-SD6XMWGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Wed Sep 30 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00488_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-40L-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: SDFO6, 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	3039
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	39.9
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-40LXXKNDE1-SD6XMWGLX.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	434	579	458
55	343	316	403
65	259	229	277
75	176	169	222
85	92	79	105

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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	11618.730	11618.730	11618.730	11618.730	11618.730
5	10012.233	10089.187	9984.867	9987.924	10005.087
10	7048.703	6984.785	7030.392	7034.304	7081.228
15	3957.369	4006.379	3982.794	3981.108	3995.661
20	1780.032	1787.147	1770.777	1777.822	1778.831
25	1142.280	1139.184	1154.692	1151.997	1145.290
30	965.934	997.920	1006.244	1010.617	947.393
35	277.901	530.584	711.472	530.692	280.696
40	46.546	90.821	286.147	90.198	43.636
45	42.550	42.250	65.650	41.326	41.534
50	42.296	40.918	39.640	39.047	37.699
55	33.187	36.767	36.236	34.627	35.597
60	29.660	31.100	32.086	31.955	29.822
65	23.978	25.918	25.710	26.141	23.077
70	18.711	21.367	22.846	21.267	18.719
75	15.030	18.503	18.064	17.656	16.786
80	11.758	14.761	14.245	14.838	12.651
85	6.992	8.824	7.769	9.040	6.891
90	2.356	3.080	3.157	2.726	2.040

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1997.03	N.A.	65.70
0-30	2574.79	N.A.	84.70
0-40	2903.5	N.A.	95.60
0-60	2985.61	N.A.	98.30
0-80	3029.63	N.A.	99.70
0-90	3038.64	N.A.	100.00
10-90	2170.18	N.A.	71.40
20-40	906.47	N.A.	29.80
20-50	956.76	N.A.	31.50
40-70	107.60	N.A.	3.50
60-80	44.01	N.A.	1.40
70-80	18.53	N.A.	0.60
80-90	9.01	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	3038.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	868.46
10-20	1128.58
20-30	577.76
30-40	328.71
40-50	50.29
50-60	31.82
60-70	25.49
70-80	18.53
80-90	9.01
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

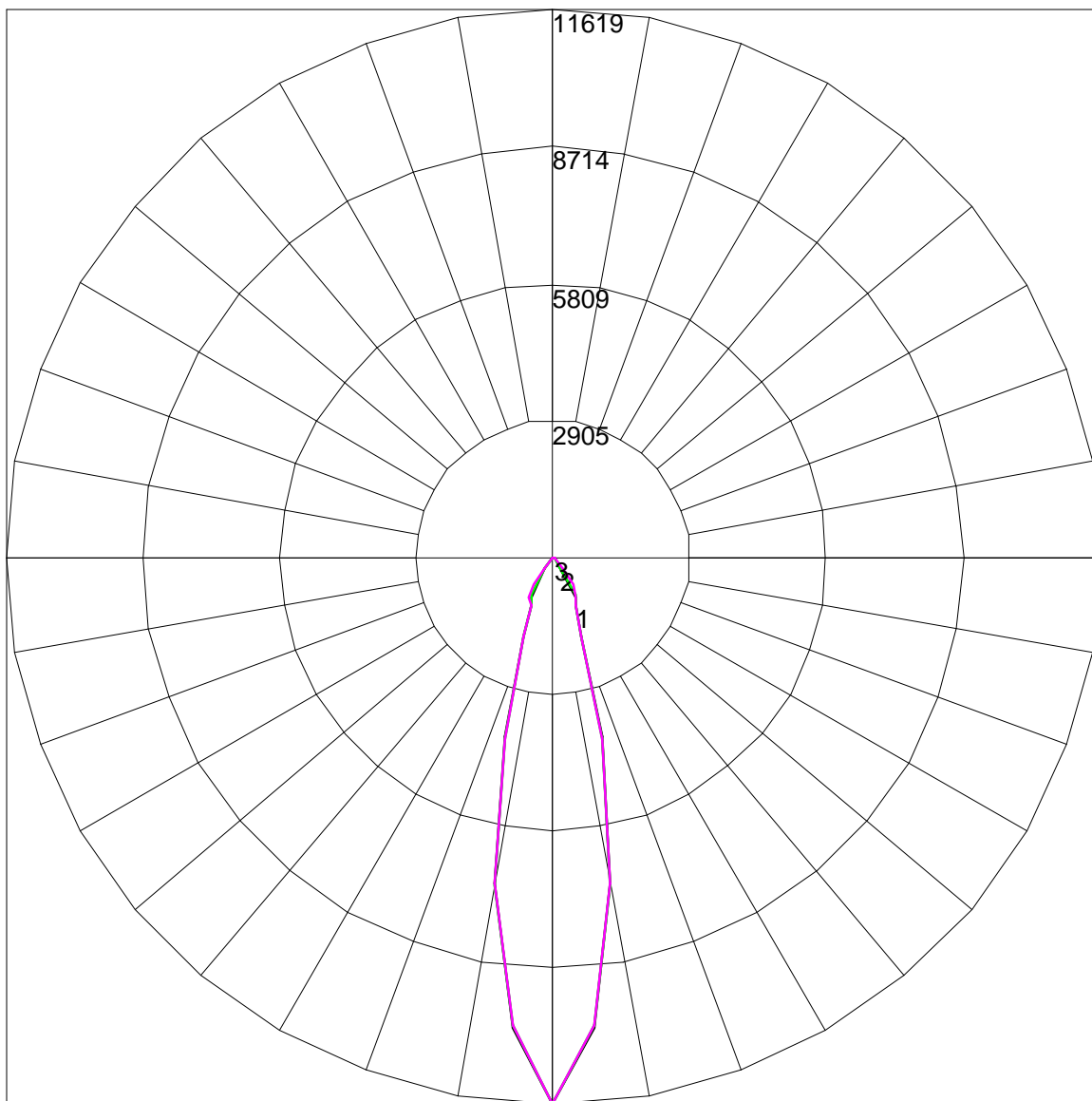
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	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	85	82	87	83	81	85	83	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	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

POLAR GRAPH



Maximum Candela = 11618.73 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)