

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-30LXXKNDE1-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] Thu Jan 21 2016

[TEST] SP-00488_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-30L-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	2368
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	34.6
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	338	451	357
55	267	246	314
65	202	178	216
75	137	132	173
85	72	62	82

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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	9053.556	9053.556	9053.556	9053.556	9053.556
5	7801.740	7861.704	7780.416	7782.798	7796.172
10	5492.496	5442.690	5478.228	5481.276	5517.840
15	3083.664	3121.854	3103.476	3102.162	3113.502
20	1387.038	1392.582	1379.826	1385.316	1386.102
25	890.088	887.676	899.760	897.660	892.434
30	752.676	777.600	784.086	787.494	738.228
35	216.546	413.442	554.394	413.526	218.724
40	36.270	70.770	222.972	70.284	34.002
45	33.156	32.922	51.156	32.202	32.364
50	32.958	31.884	30.888	30.426	29.376
55	25.860	28.650	28.236	26.982	27.738
60	23.112	24.234	25.002	24.900	23.238
65	18.684	20.196	20.034	20.370	17.982
70	14.580	16.650	17.802	16.572	14.586
75	11.712	14.418	14.076	13.758	13.080
80	9.162	11.502	11.100	11.562	9.858
85	5.448	6.876	6.054	7.044	5.370
90	1.836	2.400	2.460	2.124	1.590

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1556.13	N.A.	65.70
0-30	2006.33	N.A.	84.70
0-40	2262.47	N.A.	95.60
0-60	2326.45	N.A.	98.30
0-80	2360.75	N.A.	99.70
0-90	2367.77	N.A.	100.00
10-90	1691.05	N.A.	71.40
20-40	706.34	N.A.	29.80
20-50	745.53	N.A.	31.50
40-70	83.84	N.A.	3.50
60-80	34.30	N.A.	1.40
70-80	14.44	N.A.	0.60
80-90	7.02	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	2367.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	676.72
10-20	879.41
20-30	450.20
30-40	256.14
40-50	39.19
50-60	24.79
60-70	19.86
70-80	14.44
80-90	7.02
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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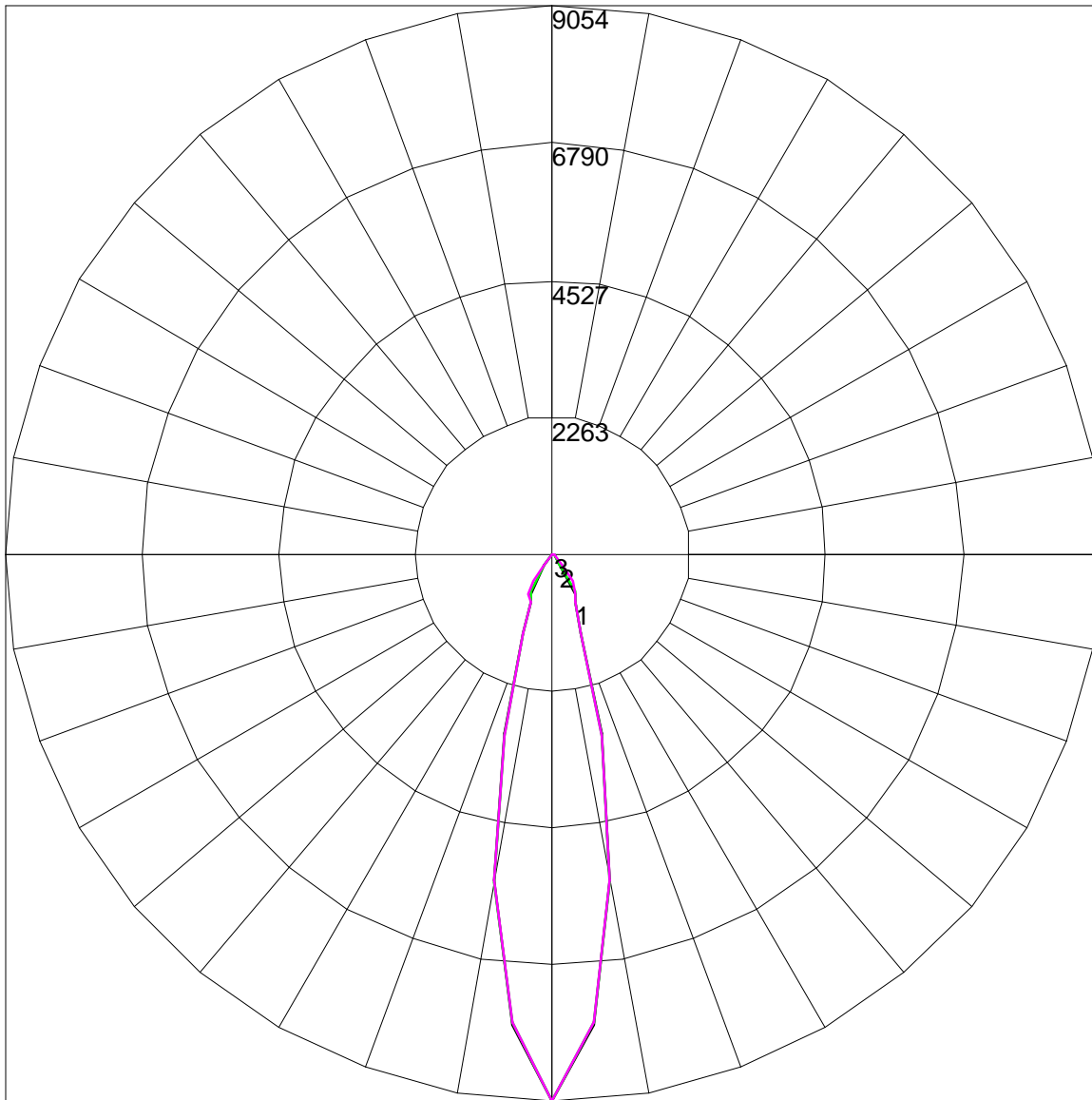
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	89	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	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 = 9053.556 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)