

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX4XT-30LXXKWDE1-SD4XMWSOX.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] Wed Jul 13 2016

[TEST] SP-00487_2_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx4LEDXT-30L-xxK-WD-E1-SD4x-MW-SOX

[LUMINAIRE] 4" Square, Downlight, Wide Beam

[TRIM] Matte White, regressed Solite Lens

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: SDFO4 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	2148
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.84
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	18713	17323	18620
55	18438	17939	18103
65	18732	17926	18936
75	17381	17477	16658
85	15634	15541	13535

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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	2763.012	2763.012	2763.012	2763.012	2763.012
5	2579.406	2494.812	2561.886	2543.952	2573.670
10	2514.306	2500.758	2529.228	2537.772	2538.648
15	2444.502	2455.422	2489.394	2470.032	2437.674
20	1871.490	2005.410	2107.296	1996.488	1869.774
25	1244.622	1394.778	1579.914	1425.780	1242.138
30	566.682	801.768	1164.306	805.488	555.258
35	199.830	248.130	555.582	254.478	193.740
40	164.478	163.728	192.234	165.576	167.244
45	136.692	125.382	126.534	127.314	136.008
50	127.002	116.898	116.070	118.002	129.192
55	109.248	106.794	106.290	106.776	107.262
60	96.930	96.234	93.984	95.520	101.544
65	81.780	82.272	78.258	82.806	82.668
70	65.358	65.508	65.424	66.360	60.216
75	46.470	47.364	46.728	47.088	44.538
80	27.822	28.380	30.750	29.430	26.640
85	14.076	14.088	13.992	15.096	12.186
90	4.134	3.612	4.140	4.410	4.782

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	908.08	N.A.	42.30
0-30	1549.29	N.A.	72.10
0-40	1799.19	N.A.	83.80
0-60	2001.42	N.A.	93.20
0-80	2131.1	N.A.	99.20
0-90	2147.79	N.A.	100.00
10-90	1903.05	N.A.	88.60
20-40	891.11	N.A.	41.50
20-50	997.04	N.A.	46.40
40-70	282.48	N.A.	13.20
60-80	129.68	N.A.	6.00
70-80	49.43	N.A.	2.30
80-90	16.68	N.A.	0.80
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	2147.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	244.74
10-20	663.34
20-30	641.21
30-40	249.90
40-50	105.93
50-60	96.30
60-70	80.25
70-80	49.43
80-90	16.68
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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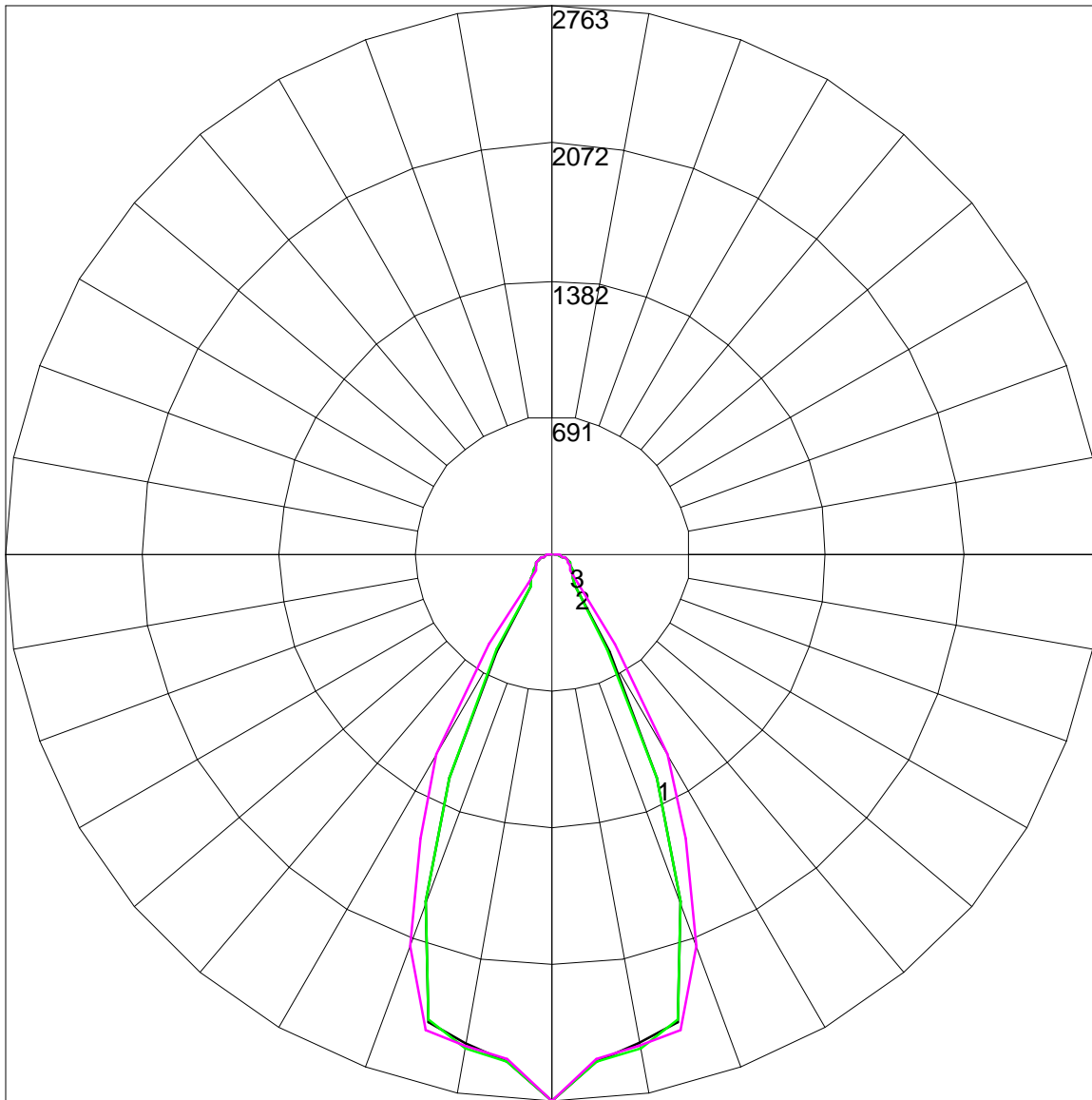
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	82	72	66	62	80	72	66	61	70	65	61	69	64	61	68	64	60	59
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	75	65	59	55	73	64	58	55	63	58	54	62	58	54	61	57	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

POLAR GRAPH



Maximum Candela = 2763.012 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)