

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-30LXXKWDE1-SD6XMWSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Wed Sep 30 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00488_2_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-30L-xxK-WD-E1-SD6x-MW-SOX

[LUMINAIRE] 6" 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: 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	2207
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.92
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	1174	1317	1308
55	922	879	1025
65	757	684	919
75	523	437	618
85	188	159	228

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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	2463.378	2463.378	2463.378	2463.378	2463.378
5	2156.142	2159.214	2166.624	2208.600	2188.602
10	2090.184	2059.746	2111.292	2077.878	2076.972
15	2153.724	2149.482	2165.898	2184.960	2138.970
20	1839.384	1843.440	1830.162	1835.934	1840.566
25	1459.476	1469.574	1483.380	1467.198	1475.208
30	1036.932	1118.538	1163.532	1123.026	1046.628
35	335.910	588.348	890.076	587.394	331.776
40	146.022	190.218	526.770	192.144	143.532
45	115.068	122.310	149.484	121.464	118.674
50	104.760	109.338	111.132	110.028	102.702
55	89.202	96.030	100.824	94.404	90.540
60	80.802	88.482	89.070	88.164	81.828
65	70.134	76.380	76.830	75.924	76.506
70	60.942	63.684	60.912	61.962	61.194
75	44.784	47.178	46.590	48.096	46.728
80	29.436	30.342	30.966	30.510	30.906
85	14.304	15.924	15.522	14.958	14.988
90	4.014	3.948	4.758	3.510	4.488

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	789.23	N.A.	35.80
0-30	1463.27	N.A.	66.30
0-40	1859.37	N.A.	84.20
0-60	2065.87	N.A.	93.60
0-80	2189.32	N.A.	99.20
0-90	2207.06	N.A.	100.00
10-90	1999.2	N.A.	90.60
20-40	1070.14	N.A.	48.50
20-50	1190.24	N.A.	53.90
40-70	280.80	N.A.	12.70
60-80	123.45	N.A.	5.60
70-80	49.15	N.A.	2.20
80-90	17.74	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	2207.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	207.86
10-20	581.38
20-30	674.04
30-40	396.10
40-50	120.10
50-60	86.40
60-70	74.29
70-80	49.15
80-90	17.74
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

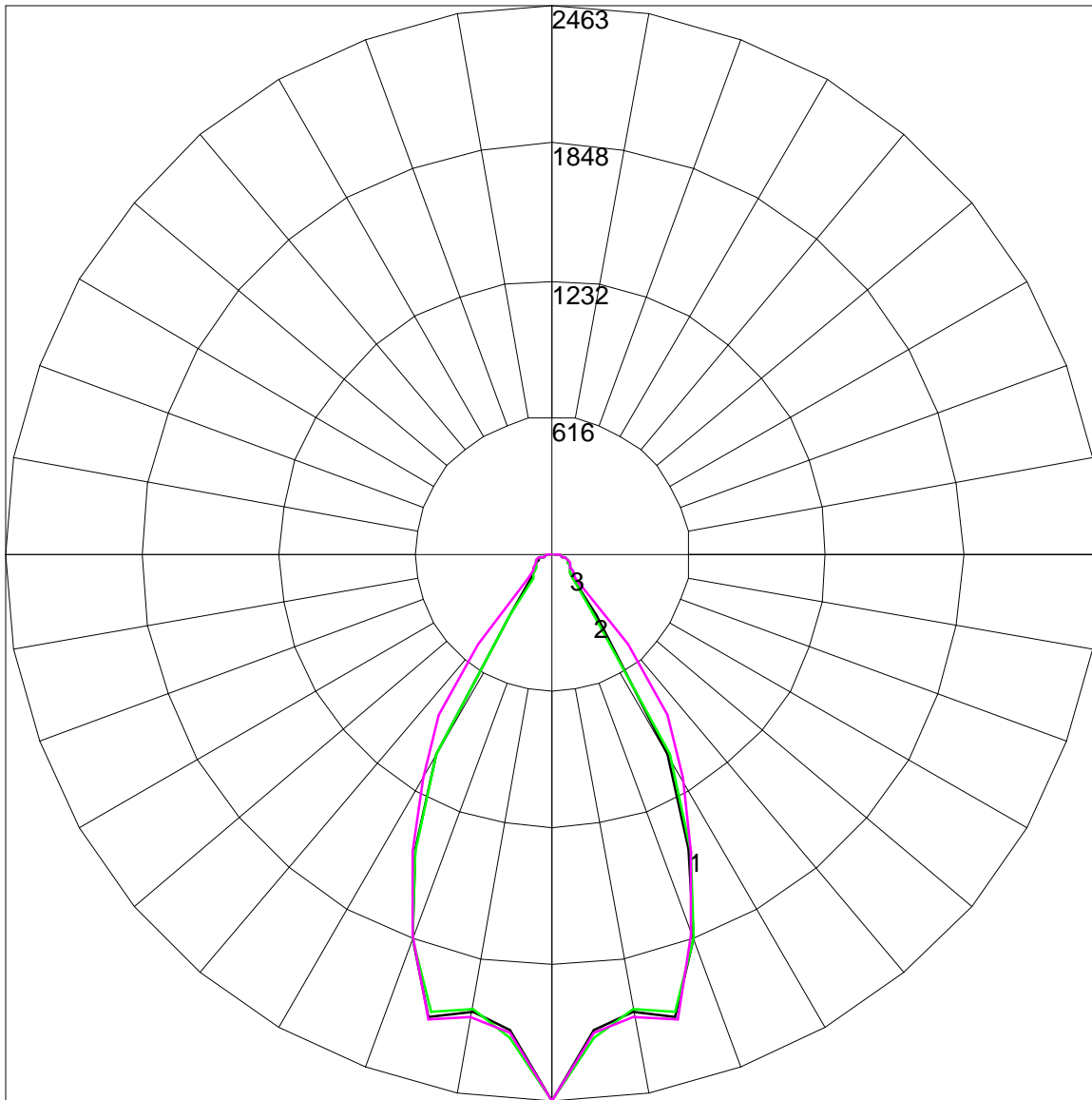
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57
8	76	66	60	55	75	66	59	55	64	59	55	63	58	55	62	58	54	53
9	73	62	56	52	71	62	56	52	61	55	52	60	55	51	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	49	57	52	48	56	52	48	47

POLAR GRAPH



Maximum Candela = 2463.378 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)