

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-30LXXKXWE1-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] Wed Jul 13 2016

[TEST] SP-00488_3_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6LEDXT-30L-xxK-XW-E1-SD6x-MW-SOX

[LUMINAIRE] 6" Square, Downlight, Xtra 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	2255
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.82
Spacing Criterion (90-270)	0.80
Spacing Criterion (Diagonal)	0.94
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 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	8202	10472	8273
55	6480	7640	6744
65	6909	7375	7013
75	7195	7319	7062
85	6438	6986	7297

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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	2525.232	2525.232	2525.232	2525.232	2525.232
5	2439.828	2460.168	2445.930	2429.034	2489.352
10	2335.968	2319.258	2348.442	2322.192	2311.272
15	2016.630	2052.882	2056.986	2048.046	2045.574
20	1671.582	1675.614	1681.632	1670.094	1647.234
25	1428.336	1450.902	1468.620	1447.656	1443.228
30	1155.996	1219.956	1225.584	1209.864	1148.352
35	438.558	688.926	987.048	693.840	434.910
40	169.446	211.320	548.262	214.584	171.288
45	134.832	144.816	172.140	145.482	135.990
50	101.412	109.224	111.516	109.176	100.806
55	86.412	95.652	101.880	97.164	89.922
60	75.336	81.276	82.680	82.896	79.854
65	67.884	70.128	72.462	71.172	68.904
70	55.650	58.416	59.382	58.338	55.638
75	43.290	45.540	44.040	44.904	42.492
80	27.114	28.794	30.156	28.350	27.426
85	13.044	14.850	14.154	14.934	14.784
90	3.972	4.500	3.990	4.218	3.288

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	796.46	N.A.	35.30
0-30	1459.64	N.A.	64.70
0-40	1904.75	N.A.	84.50
0-60	2122.5	N.A.	94.10
0-80	2238.16	N.A.	99.30
0-90	2254.95	N.A.	100.00
10-90	2024.54	N.A.	89.80
20-40	1108.29	N.A.	49.10
20-50	1240.92	N.A.	55.00
40-70	287.14	N.A.	12.70
60-80	115.67	N.A.	5.10
70-80	46.27	N.A.	2.10
80-90	16.79	N.A.	0.70
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	2254.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	230.41
10-20	566.05
20-30	663.18
30-40	445.11
40-50	132.63
50-60	85.11
60-70	69.40
70-80	46.27
80-90	16.79
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

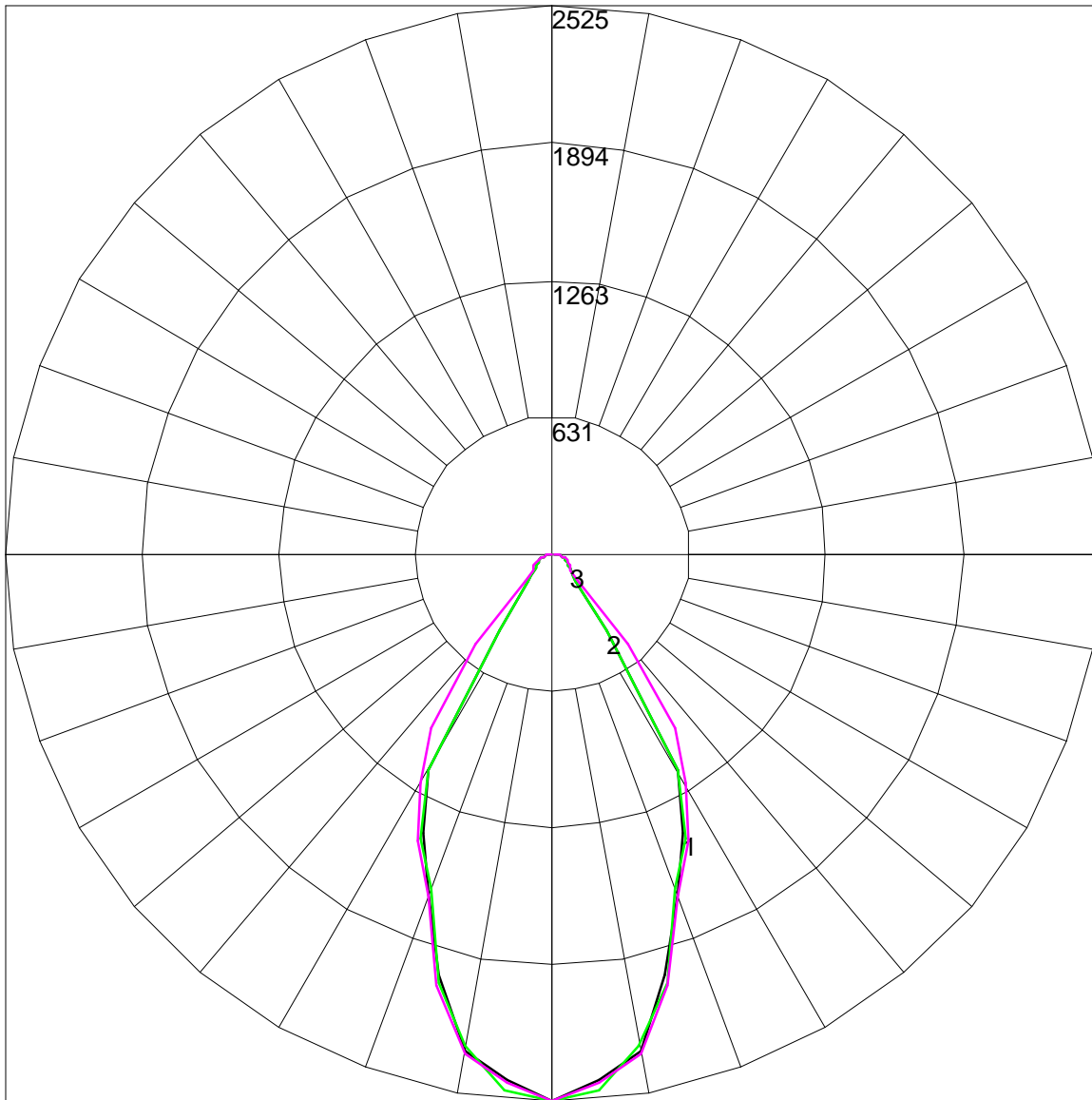
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	90	87	85	83
3	100	93	87	83	98	91	86	82	89	84	81	86	83	79	84	81	78	77
4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	71
5	89	80	74	69	88	79	73	69	77	72	68	76	71	68	74	70	67	65
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	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	48	57	52	48	56	51	48	47

POLAR GRAPH



Maximum Candela = 2525.232 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)