

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-13LXXKXWE1-SD6XMWSOX.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] Wed Jul 13 2016

[TEST] SP-00488_3_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6LEDXT-13L-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: SDFI6, SDFO6, SDZI6, 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	977
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	15
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	3554	4538	3585
55	2808	3311	2922
65	2994	3196	3039
75	3118	3172	3060
85	2790	3027	3162

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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	1094.267	1094.267	1094.267	1094.267	1094.267
5	1057.259	1066.073	1059.903	1052.581	1078.719
10	1012.253	1005.012	1017.658	1006.283	1001.551
15	873.873	889.582	891.361	887.487	886.415
20	724.352	726.099	728.707	723.707	713.801
25	618.946	628.724	636.402	627.318	625.399
30	500.932	528.648	531.086	524.274	497.619
35	190.042	298.535	427.721	300.664	188.461
40	73.427	91.572	237.580	92.986	74.225
45	58.427	62.754	74.594	63.042	58.929
50	43.945	47.330	48.324	47.310	43.683
55	37.445	41.449	44.148	42.104	38.966
60	32.646	35.220	35.828	35.922	34.603
65	29.416	30.389	31.400	30.841	29.858
70	24.115	25.314	25.732	25.280	24.110
75	18.759	19.734	19.084	19.458	18.413
80	11.749	12.477	13.068	12.285	11.885
85	5.652	6.435	6.133	6.471	6.406
90	1.721	1.950	1.729	1.828	1.425

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	345.13	N.A.	35.30
0-30	632.51	N.A.	64.70
0-40	825.39	N.A.	84.50
0-60	919.75	N.A.	94.10
0-80	969.87	N.A.	99.30
0-90	977.15	N.A.	100.00
10-90	877.30	N.A.	89.80
20-40	480.26	N.A.	49.10
20-50	537.73	N.A.	55.00
40-70	124.43	N.A.	12.70
60-80	50.12	N.A.	5.10
70-80	20.05	N.A.	2.10
80-90	7.28	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	977.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.85
10-20	245.29
20-30	287.38
30-40	192.88
40-50	57.47
50-60	36.88
60-70	30.07
70-80	20.05
80-90	7.28
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

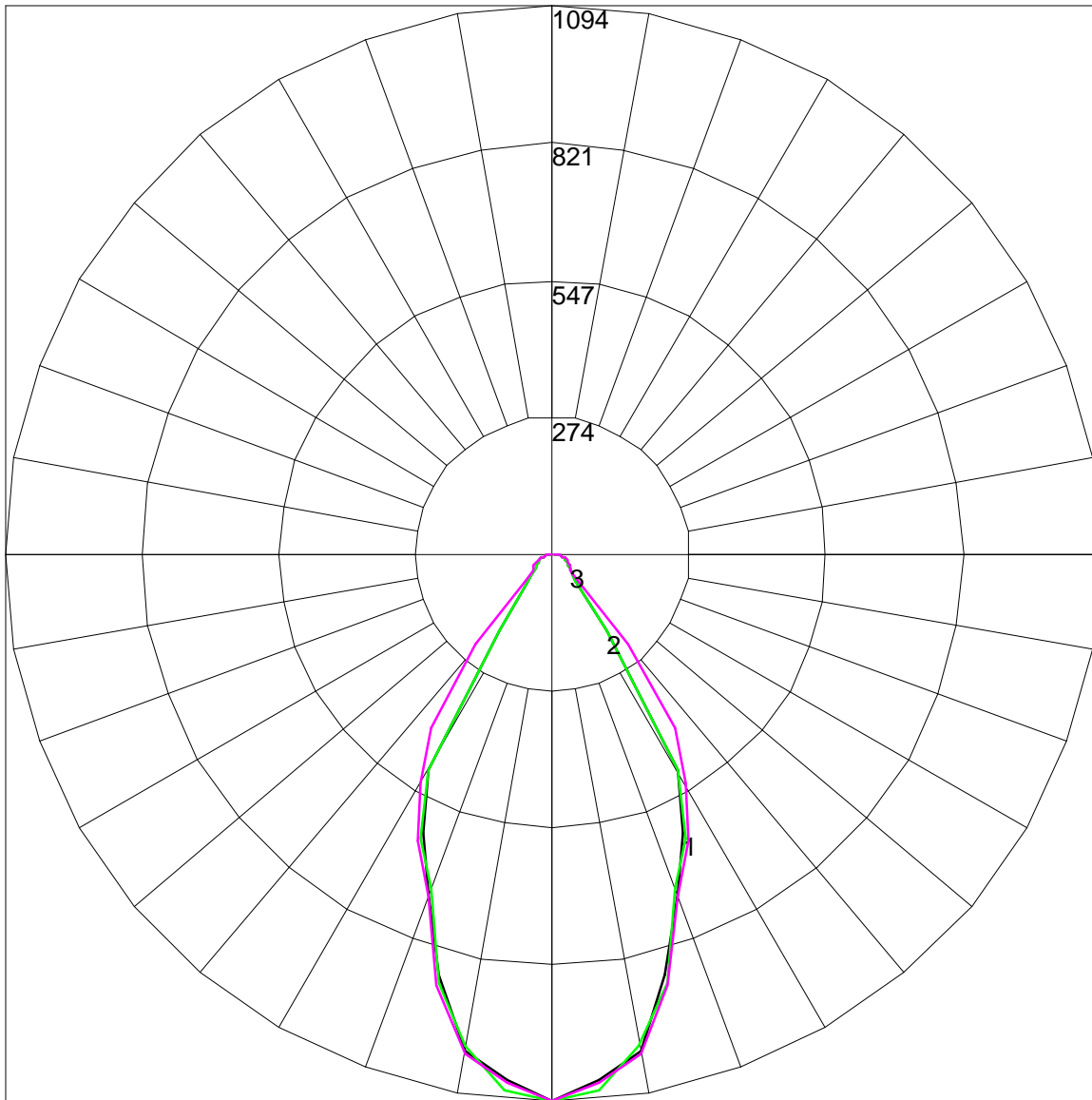
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	55	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	51	48	47

POLAR GRAPH



Maximum Candela = 1094.267 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)