

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-40LXXKXWE1-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-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6LEDXT-40L-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	2894
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	39.9
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	10526	13439	10617
55	8317	9805	8654
65	8867	9465	9000
75	9233	9393	9063
85	8262	8965	9364

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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	3240.714	3240.714	3240.714	3240.714	3240.714
5	3131.113	3157.216	3138.943	3117.260	3194.668
10	2997.826	2976.381	3013.834	2980.146	2966.132
15	2588.008	2634.532	2639.799	2628.326	2625.153
20	2145.197	2150.371	2158.094	2143.287	2113.950
25	1833.031	1861.991	1884.729	1857.825	1852.143
30	1483.528	1565.610	1572.833	1552.659	1473.718
35	562.816	884.122	1266.712	890.428	558.134
40	217.456	271.194	703.603	275.383	219.820
45	173.034	185.847	220.913	186.702	174.520
50	130.145	140.171	143.112	140.109	129.368
55	110.895	122.753	130.746	124.694	115.400
60	96.681	104.304	106.106	106.383	102.479
65	87.118	89.998	92.993	91.337	88.427
70	71.417	74.967	76.207	74.867	71.402
75	55.555	58.443	56.518	57.627	54.531
80	34.796	36.952	38.700	36.382	35.197
85	16.740	19.057	18.164	19.165	18.973
90	5.097	5.775	5.120	5.413	4.220

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1022.13	N.A.	35.30
0-30	1873.21	N.A.	64.70
0-40	2444.43	N.A.	84.50
0-60	2723.87	N.A.	94.10
0-80	2872.31	N.A.	99.30
0-90	2893.86	N.A.	100.00
10-90	2598.16	N.A.	89.80
20-40	1422.3	N.A.	49.10
20-50	1592.51	N.A.	55.00
40-70	368.50	N.A.	12.70
60-80	148.44	N.A.	5.10
70-80	59.37	N.A.	2.10
80-90	21.55	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	2893.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	295.70
10-20	726.43
20-30	851.08
30-40	571.23
40-50	170.21
50-60	109.23
60-70	89.06
70-80	59.37
80-90	21.55
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

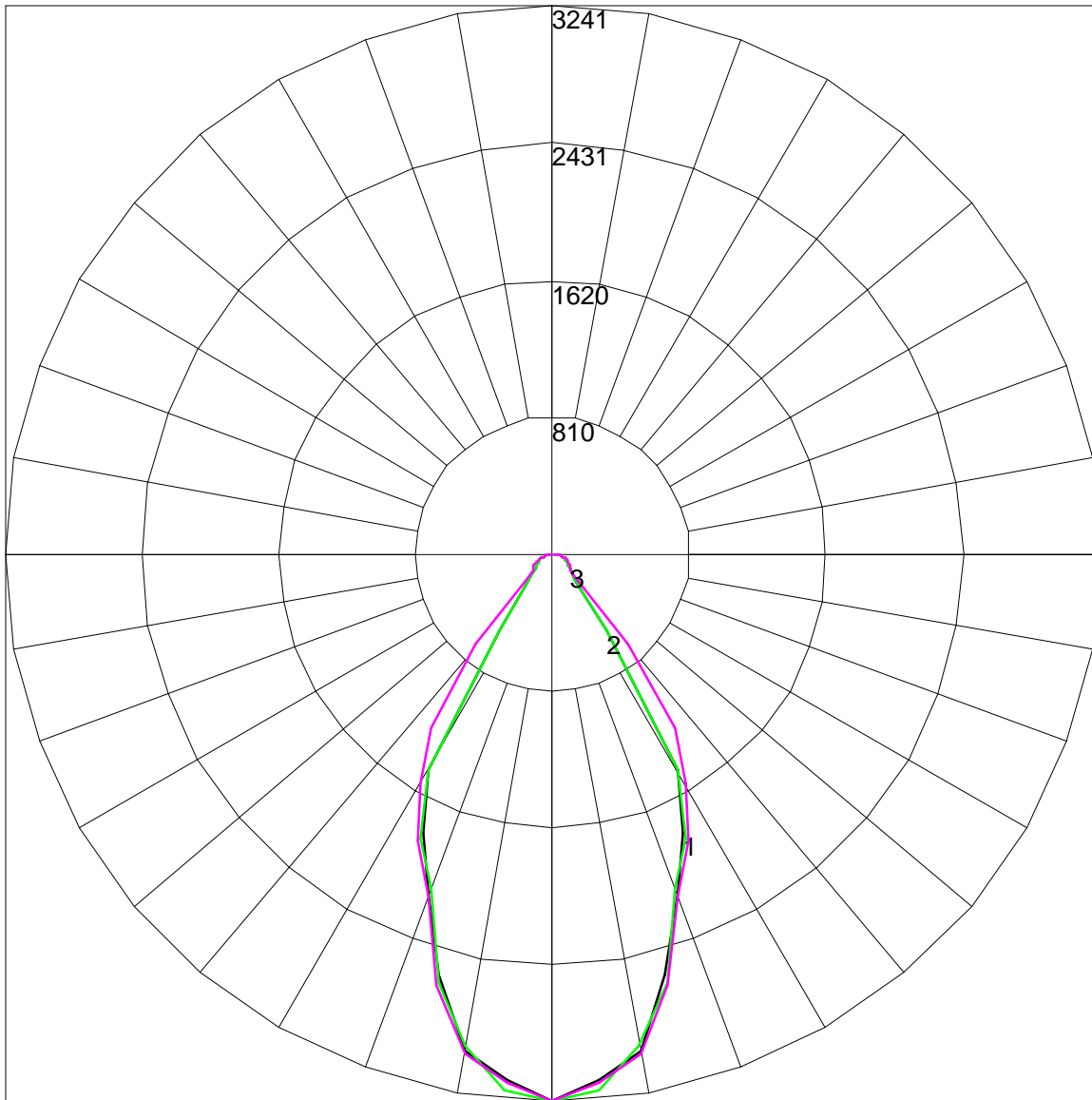
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3240.714 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)