

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX4XT-40LXXKMDE1-SD4XMWSOX.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-00487_1_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx4LEDXT-40L-xxK-MD-E1-SD4x-MW-SOX

[LUMINAIRE] 4" Square, Downlight, Medium 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	2643
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.72
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	21109	19756	21164
55	23057	21952	23067
65	23805	22474	23308
75	19535	20575	20600
85	18106	18746	18661

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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	4910.036	4910.036	4910.036	4910.036	4910.036
5	4522.279	4611.861	4624.535	4552.679	4634.676
10	3675.918	3707.473	3705.918	3720.086	3715.512
15	2661.051	2731.837	2819.116	2737.119	2671.546
20	2037.435	2140.200	2309.022	2134.486	2046.167
25	1561.075	1700.252	1829.012	1713.666	1591.567
30	618.880	902.825	1375.574	914.775	622.314
35	235.974	299.515	704.681	297.774	239.670
40	162.385	164.811	203.696	158.782	171.487
45	154.192	151.359	144.306	147.047	154.593
50	148.325	140.232	138.253	139.817	150.443
55	136.613	130.546	130.068	128.705	136.675
60	124.139	119.535	118.026	119.781	122.769
65	103.927	103.118	98.113	103.727	101.755
70	76.384	78.016	80.049	77.570	74.467
75	52.229	57.812	55.009	56.056	55.078
80	33.795	35.651	36.868	35.127	31.293
85	16.301	17.156	16.878	17.040	16.801
90	4.859	4.889	4.320	4.497	5.559

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1196.26	N.A.	45.30
0-30	1937.63	N.A.	73.30
0-40	2227.9	N.A.	84.30
0-60	2464.14	N.A.	93.20
0-80	2622.79	N.A.	99.20
0-90	2642.83	N.A.	100.00
10-90	2232.35	N.A.	84.50
20-40	1031.64	N.A.	39.00
20-50	1150.26	N.A.	43.50
40-70	335.75	N.A.	12.70
60-80	158.64	N.A.	6.00
70-80	59.13	N.A.	2.20
80-90	20.04	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	2642.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	410.48
10-20	785.78
20-30	741.37
30-40	290.27
40-50	118.62
50-60	117.63
60-70	99.51
70-80	59.13
80-90	20.04
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

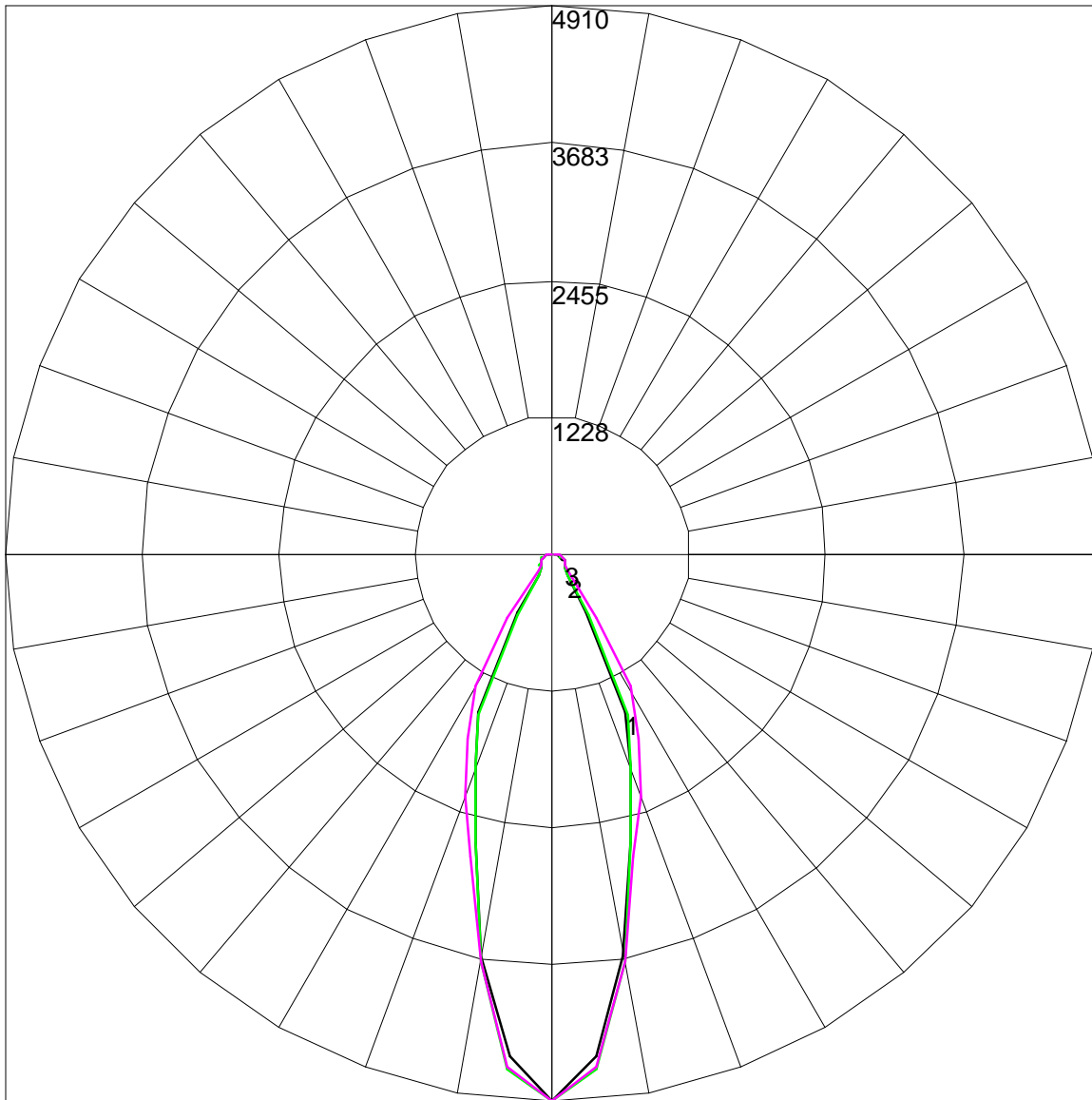
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	107	104	110	107	105	103	103	101	99	100	98	96	96	95	94	92
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	101	94	89	85	99	93	88	84	90	86	82	88	84	81	85	82	80	78
4	96	88	82	78	94	87	81	77	85	80	76	83	79	75	81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	72	67	86	77	71	67	76	71	67	74	70	66	73	69	66	64
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	67	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

POLAR GRAPH



Maximum Candela = 4910.036 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)