

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX4XT-30LXXKMDE1-SD4XMWSOX.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-00487_1_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx4LEDXT-30L-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	2059
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	34.6
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	16449	15394	16491
55	17966	17105	17974
65	18550	17512	18162
75	15222	16032	16052
85	14108	14608	14541

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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	3826.002	3826.002	3826.002	3826.002	3826.002
5	3523.854	3593.658	3603.534	3547.542	3611.436
10	2864.352	2888.940	2887.728	2898.768	2895.204
15	2073.546	2128.704	2196.714	2132.820	2081.724
20	1587.612	1667.688	1799.238	1663.236	1594.416
25	1216.422	1324.872	1425.204	1335.324	1240.182
30	482.244	703.500	1071.876	712.812	484.920
35	183.876	233.388	549.102	232.032	186.756
40	126.534	128.424	158.724	123.726	133.626
45	120.150	117.942	112.446	114.582	120.462
50	115.578	109.272	107.730	108.948	117.228
55	106.452	101.724	101.352	100.290	106.500
60	96.732	93.144	91.968	93.336	95.664
65	80.982	80.352	76.452	80.826	79.290
70	59.520	60.792	62.376	60.444	58.026
75	40.698	45.048	42.864	43.680	42.918
80	26.334	27.780	28.728	27.372	24.384
85	12.702	13.368	13.152	13.278	13.092
90	3.786	3.810	3.366	3.504	4.332

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	932.15	N.A.	45.30
0-30	1509.84	N.A.	73.30
0-40	1736.03	N.A.	84.30
0-60	1920.11	N.A.	93.20
0-80	2043.73	N.A.	99.20
0-90	2059.35	N.A.	100.00
10-90	1739.49	N.A.	84.50
20-40	803.88	N.A.	39.00
20-50	896.30	N.A.	43.50
40-70	261.62	N.A.	12.70
60-80	123.62	N.A.	6.00
70-80	46.08	N.A.	2.20
80-90	15.62	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	2059.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	319.86
10-20	612.30
20-30	577.69
30-40	226.18
40-50	92.43
50-60	91.66
60-70	77.54
70-80	46.08
80-90	15.62
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

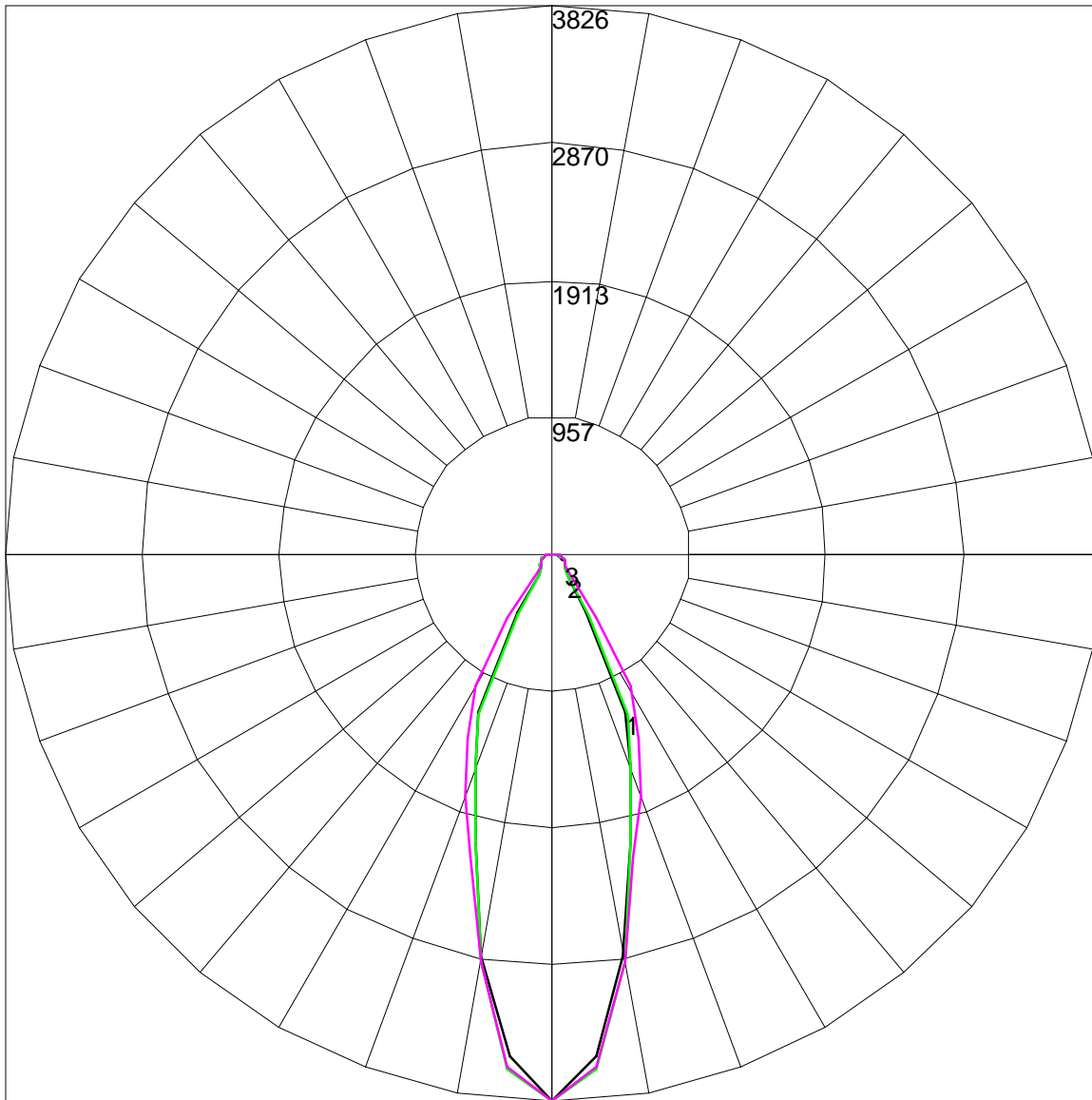
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	95	92	96	93	90	93	90	88	90	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	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	60	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 = 3826.002 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)