

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX4XT-40LXXKXWE1-SD4XMWSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: www.ltiopics.com/ies

[ISSUEDATE]

[TESTDATE] Wed Sep 30 2015

[UPDATE] Wed Jul 13 2016

[TEST] SP-00487_3_M-40L

[MANUFAC] Spectrum Lighting

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

[LUMINAIRE] 4" 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: 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	2859
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.86
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	26246	24306	26327
55	22105	21294	23054
65	21731	21645	22054
75	18440	19074	18769
85	17105	18704	18686

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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	3708.921	3708.921	3708.921	3708.921	3708.921
5	3653.573	3674.779	3621.125	3639.212	3636.756
10	3493.459	3491.111	3442.300	3473.786	3469.966
15	3013.826	3009.707	3018.754	3016.421	2966.086
20	2331.444	2357.470	2452.727	2387.293	2329.365
25	1795.478	1953.305	2082.249	1958.510	1794.816
30	935.203	1202.440	1674.280	1211.125	909.054
35	391.106	453.699	854.977	465.157	384.446
40	244.768	244.090	287.395	240.348	248.849
45	191.715	179.187	177.547	180.534	192.307
50	147.778	138.585	137.037	141.179	149.919
55	130.977	128.182	126.172	125.702	136.598
60	120.559	113.529	111.673	111.057	117.217
65	94.872	98.067	94.494	100.192	96.281
70	77.601	77.377	74.428	76.553	75.683
75	49.303	54.593	50.997	54.262	50.181
80	33.541	34.273	33.926	33.872	31.054
85	15.400	17.055	16.840	15.592	16.824
90	4.859	4.543	5.074	4.689	4.866

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1171.24	N.A.	41.00
0-30	2030.23	N.A.	71.00
0-40	2426.9	N.A.	84.90
0-60	2687.9	N.A.	94.00
0-80	2839.69	N.A.	99.30
0-90	2859.07	N.A.	100.00
10-90	2516.55	N.A.	88.00
20-40	1255.66	N.A.	43.90
20-50	1401.99	N.A.	49.00
40-70	356.15	N.A.	12.50
60-80	151.79	N.A.	5.30
70-80	56.64	N.A.	2.00
80-90	19.39	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	2859.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	342.52
10-20	828.71
20-30	859.00
30-40	396.67
40-50	146.33
50-60	114.67
60-70	95.15
70-80	56.64
80-90	19.39
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

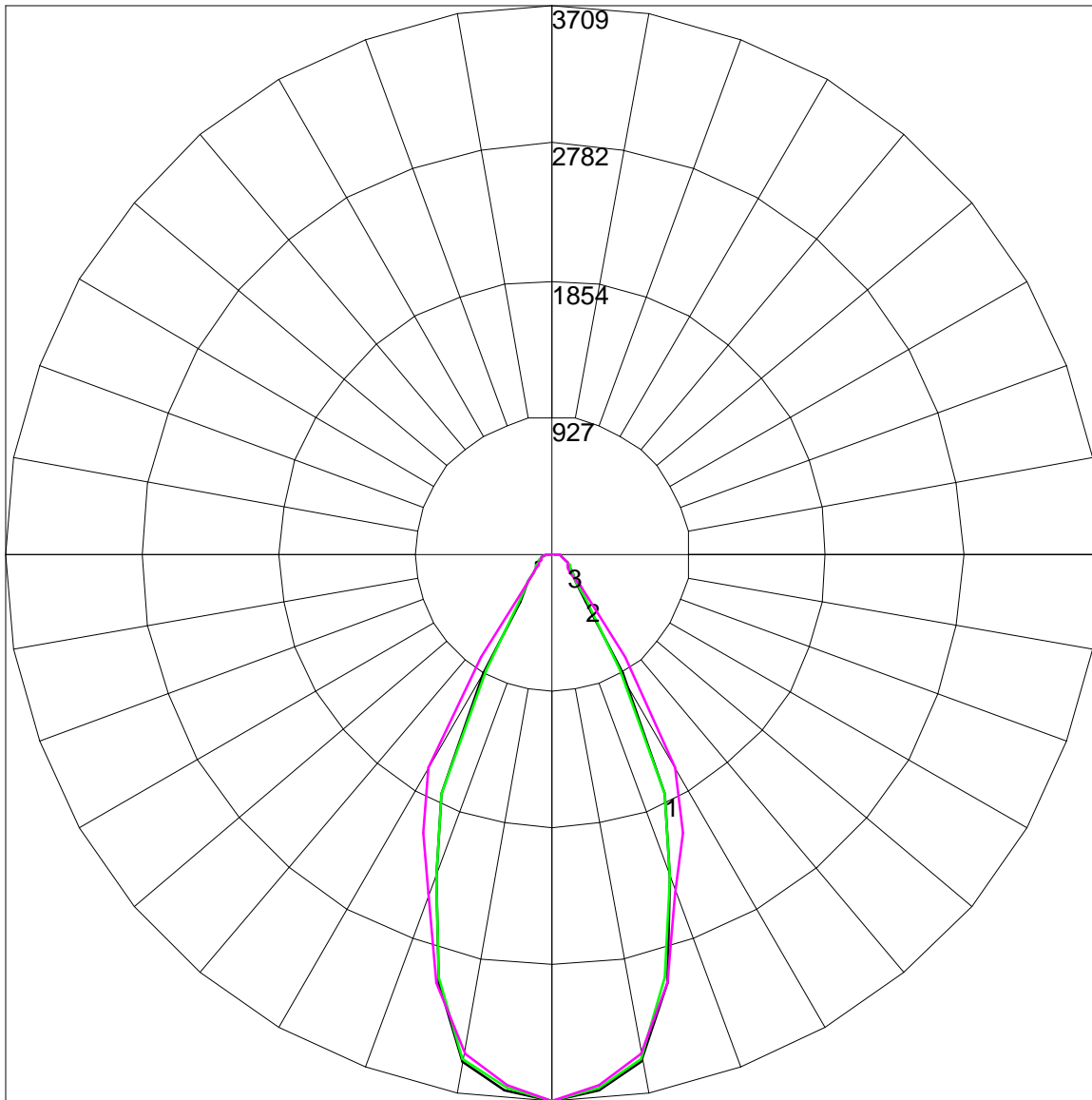
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	103	101	99	99	98	96	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78
4	95	87	81	77	94	86	81	76	84	79	76	82	78	75	80	77	74	72
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63
7	82	72	66	62	81	72	66	62	70	65	61	69	64	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

POLAR GRAPH



Maximum Candela = 3708.921 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)