

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_14 ~ SS4MX-XT30LE1-SDD4X-XXK-XWMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.14_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 3/21/2017
[UPDATE] 4/21/2017
[LUMCAT] SS4MRx-XT30L-E1-SDD4x-xxK-XW-MW-SO
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Xtra Wide Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 53.3 Degree Beam Angle
[LAMP] N/A
[LAMPCAT] N/A, Min. 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] For New Construction Non-IC Housing: SS4MO-XT-series
[OTHER] For Remodel/Retrofit Housing: SS4MR-XT-Series
[OTHER] For SDD4F or SDD4N Downlight Trim
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2128
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	53845	69099	51937
55	20228	26077	19706
65	10994	11808	11286
75	2476	3062	2573
85	3855	3169	2559

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2539.514	2539.514	2539.514	2539.514	2539.514
5	2520.785	2523.452	2513.871	2514.942	2502.364
10	2412.932	2422.681	2410.744	2405.337	2385.283
15	2206.019	2234.866	2227.529	2219.012	2181.647
20	1885.903	1942.914	1960.556	1927.175	1864.953
25	1434.156	1532.418	1589.651	1518.805	1420.117
30	932.172	1043.583	1126.687	1019.439	910.230
35	516.878	610.227	676.493	572.011	492.060
40	265.259	317.077	355.493	293.043	253.446
45	138.803	159.266	178.124	154.197	133.884
50	72.374	82.566	94.368	82.394	70.426
55	42.297	47.350	54.528	47.226	41.206
60	25.874	29.441	32.484	29.578	26.826
65	16.938	17.571	18.193	18.125	17.388
70	8.006	9.542	8.810	9.336	8.832
75	2.336	3.028	2.889	3.124	2.428
80	1.555	1.153	1.549	1.576	1.532
85	1.225	1.206	1.007	1.676	0.813
90	0.863	1.163	1.099	0.879	1.500

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Zone	Lumens	%Lamp	%Fixt
0-20	852.81	N.A.	40.10
0-30	1536.01	N.A.	72.20
0-40	1924.02	N.A.	90.40
0-60	2104.41	N.A.	98.90
0-80	2126.93	N.A.	99.90
0-90	2128.29	N.A.	100.00
10-90	1891.66	N.A.	88.90
20-40	1071.2	N.A.	50.30
20-50	1205.4	N.A.	56.60
40-70	198.65	N.A.	9.30
60-80	22.52	N.A.	1.10
70-80	4.26	N.A.	0.20
80-90	1.36	N.A.	0.10
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	2128.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	236.63
10-20	616.18
20-30	683.20
30-40	388.00
40-50	134.20
50-60	46.19
60-70	18.26
70-80	4.26
80-90	1.36
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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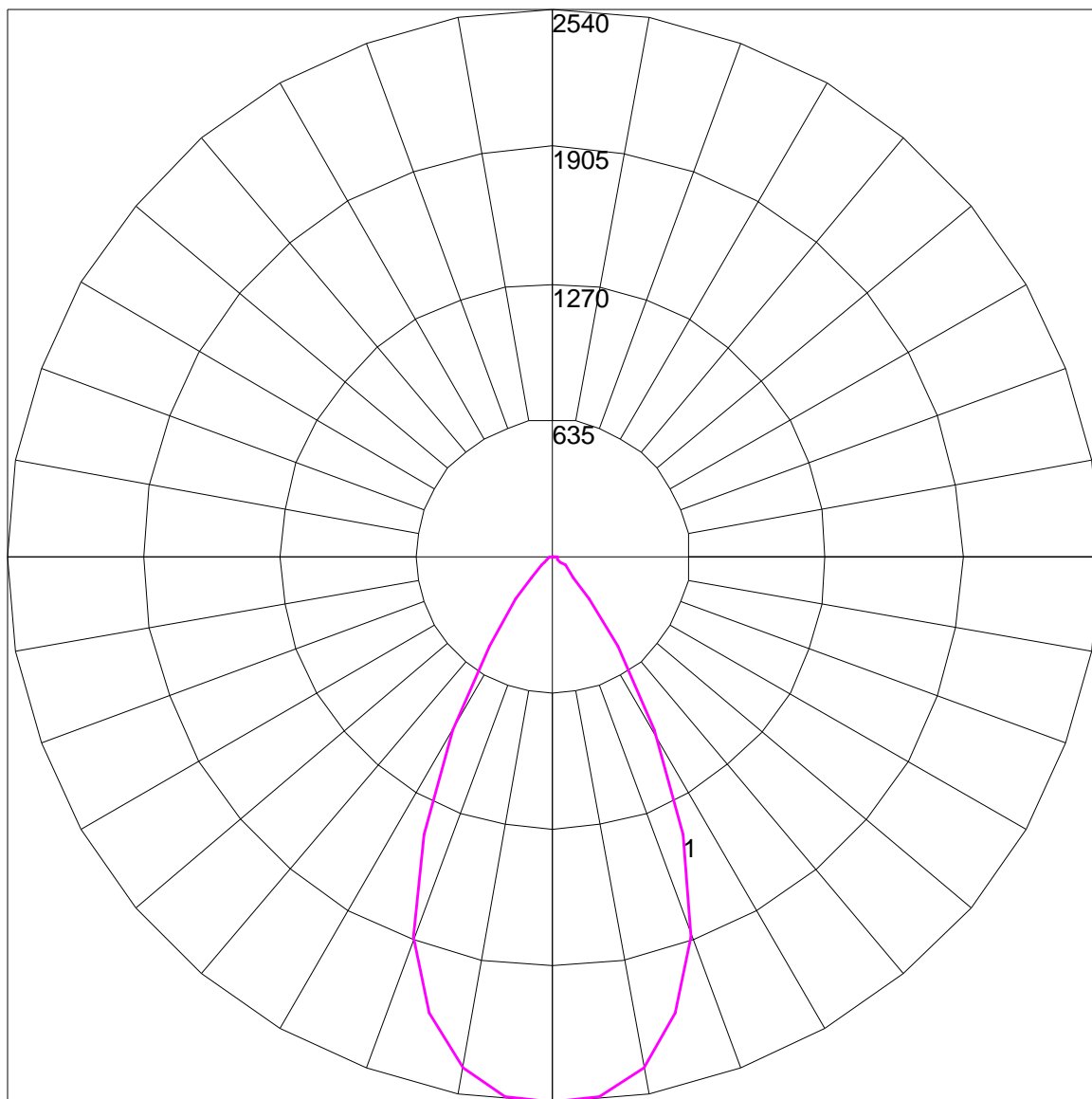
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	77	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	72	68	76	72	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	52	51

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POLAR GRAPH



Maximum Candela = 2539.514 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)