

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT30LE1-SDD4X-XXK-NDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.3_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/21/2017
[UPDATE] 4/20/2017
[LUMCAT] SS4MRx-XT30L-E1-SDD4x-xxK-ND-MW-NL
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Narrow Beam
[OTHER] Matte White Trim, No lens
[OTHER] 21.5 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	2169
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.38
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.36
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	13563	14783	7153
55	9903	16077	13868
65	10173	10905	8079
75	1715	2464	2784
85	3550	3371	3302

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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	10811.431	10811.431	10811.431	10811.431	10811.431
5	9942.023	9695.181	8717.620	8687.005	8143.941
10	5849.422	5526.888	4725.610	4570.840	4135.771
15	2747.264	2655.593	2235.280	2197.759	1986.954
20	1491.655	1417.187	1236.796	1295.770	1219.646
25	954.522	986.618	959.037	917.190	816.108
30	474.213	634.652	803.794	534.128	389.239
35	135.444	261.940	463.208	188.994	101.566
40	53.288	68.944	139.753	43.543	34.138
45	34.964	37.878	38.108	26.157	18.440
50	20.122	27.606	33.928	21.908	14.370
55	20.707	28.272	33.618	30.011	28.999
60	29.453	32.696	31.793	31.962	32.645
65	15.674	19.293	16.801	18.027	12.448
70	3.870	6.979	3.854	4.759	4.481
75	1.618	1.943	2.325	2.878	2.627
80	1.480	1.564	0.898	1.230	2.444
85	1.128	1.053	1.071	1.168	1.049
90	1.343	0.622	1.119	0.362	1.065

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Zone	Lumens	%Lamp	%Fixt
0-20	1475.95	N.A.	68.10
0-30	1907.98	N.A.	88.00
0-40	2089.93	N.A.	96.40
0-60	2147.12	N.A.	99.00
0-80	2167.48	N.A.	99.90
0-90	2168.69	N.A.	100.00
10-90	1430.96	N.A.	66.00
20-40	613.98	N.A.	28.30
20-50	645.24	N.A.	29.80
40-70	74.65	N.A.	3.40
60-80	20.36	N.A.	0.90
70-80	2.90	N.A.	0.10
80-90	1.21	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	2168.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	737.72
10-20	738.23
20-30	432.04
30-40	181.95
40-50	31.26
50-60	25.93
60-70	17.46
70-80	2.90
80-90	1.21
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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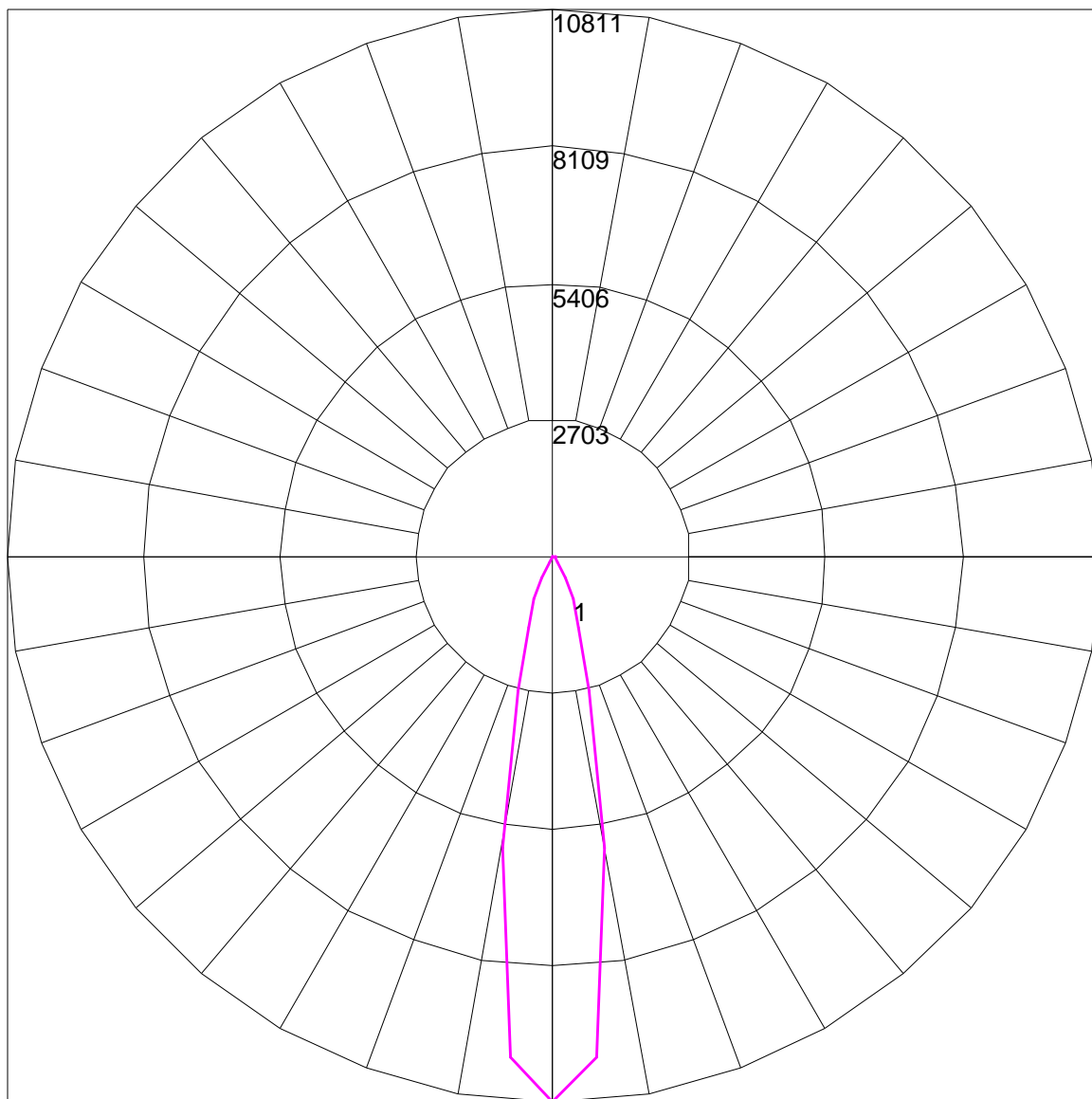
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	94	93	92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	87	92	89	87	90	88	86	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	77	75
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73
9	87	80	75	72	86	80	75	72	79	75	72	78	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69

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POLAR GRAPH



Maximum Candela = 10811.431 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)