

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT13LE1-SDD4X-XXK-NDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00547.3_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 3/21/2017

[UPDATE] 4/20/2017

[LUMCAT] SS4MRx-XT13L-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 New Construction IC Rated Housing: SS4MI-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	940
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	15
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT13LE1-SDD4X-XXK-NDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5878	6407	3100
55	4292	6968	6010
65	4409	4726	3502
75	743	1068	1206
85	1539	1460	1432

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT13LE1-SDD4X-XXK-NDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4685.601	4685.601	4685.601	4685.601	4685.601
5	4308.806	4201.826	3778.157	3764.889	3529.529
10	2535.100	2395.316	2048.048	1980.971	1792.415
15	1190.646	1150.916	968.755	952.494	861.132
20	646.473	614.199	536.019	561.578	528.586
25	413.683	427.594	415.640	397.504	353.696
30	205.521	275.054	348.359	231.487	168.694
35	58.701	113.523	200.751	81.909	44.018
40	23.095	29.880	60.568	18.871	14.795
45	15.153	16.416	16.516	11.336	7.992
50	8.721	11.964	14.704	9.495	6.228
55	8.974	12.253	14.570	13.007	12.568
60	12.765	14.170	13.779	13.852	14.148
65	6.793	8.361	7.281	7.813	5.395
70	1.677	3.025	1.670	2.062	1.942
75	0.701	0.842	1.008	1.247	1.138
80	0.642	0.678	0.389	0.533	1.059
85	0.489	0.457	0.464	0.506	0.455
90	0.582	0.269	0.485	0.157	0.462

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Zone	Lumens	%Lamp	%Fixt
0-20	639.67	N.A.	68.10
0-30	826.91	N.A.	88.00
0-40	905.76	N.A.	96.40
0-60	930.55	N.A.	99.00
0-80	939.37	N.A.	99.90
0-90	939.89	N.A.	100.00
10-90	620.17	N.A.	66.00
20-40	266.10	N.A.	28.30
20-50	279.64	N.A.	29.80
40-70	32.35	N.A.	3.40
60-80	8.82	N.A.	0.90
70-80	1.25	N.A.	0.10
80-90	0.52	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	939.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	319.72
10-20	319.94
20-30	187.24
30-40	78.85
40-50	13.55
50-60	11.24
60-70	7.57
70-80	1.25
80-90	0.52
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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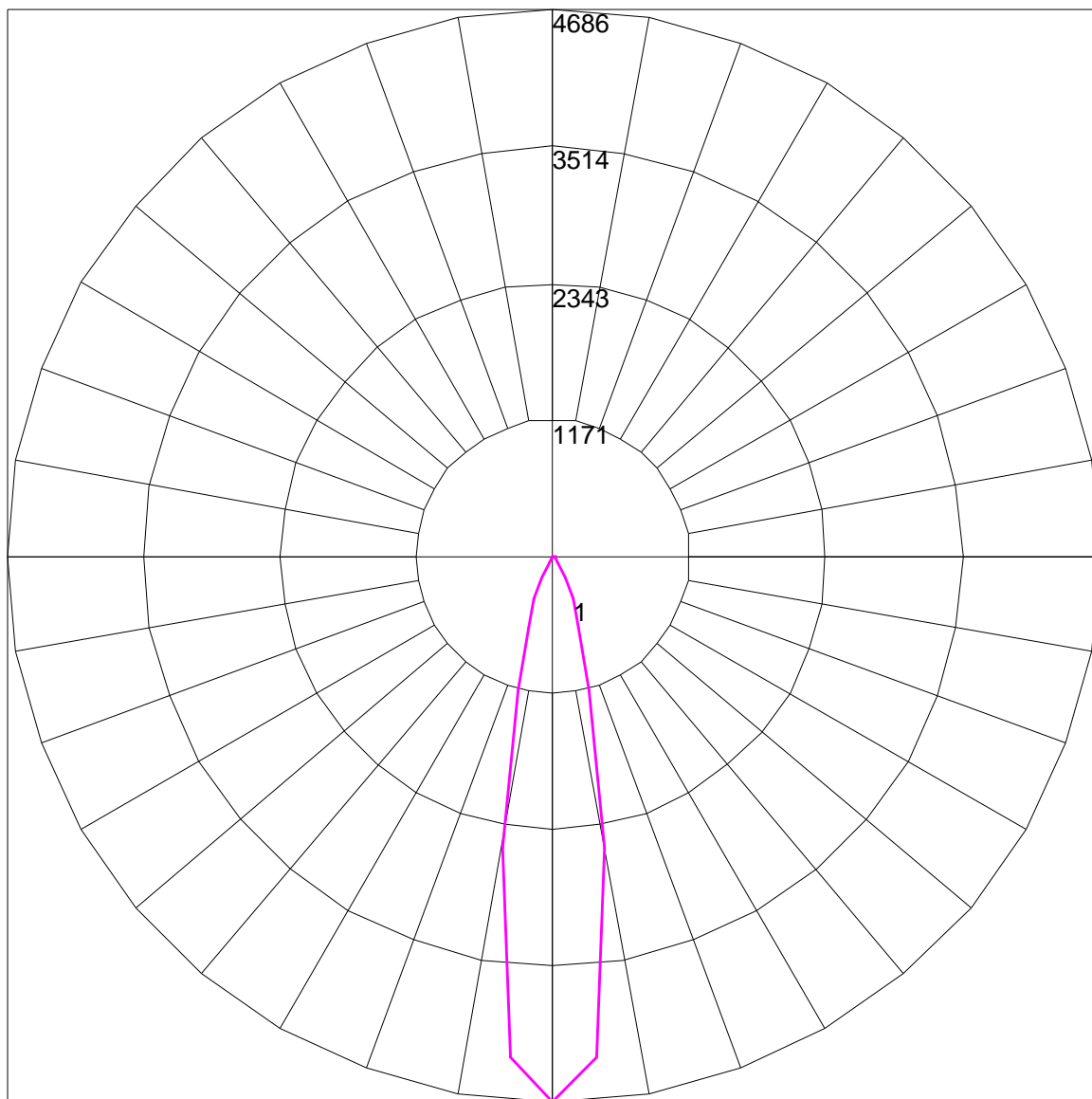
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	88	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 = 4685.601 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)