

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_6 ~ SS4MX-XT13LE1-SDD4X-XXK-MDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.6_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/20/2017
 [LUMCAT] SS4MRx-XT13L-E1-SDD4x-xxK-MD-MW-NL
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile , Medium Beam
 [OTHER] Matte White Trim, No lens
 [OTHER] 27.5 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	957
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.50
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_6 ~ SS4MX-XT13LE1-SDD4X-XXK-MDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6684	11119	6855
55	11419	11860	11774
65	4303	4931	4386
75	1389	729	1556
85	2134	2294	2077

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_6 ~ SS4MX-XT13LE1-SDD4X-XXK-MDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2760.470	2760.470	2760.470	2760.470	2760.470
5	2519.526	2538.663	2510.002	2532.516	2506.572
10	1874.097	1901.529	1861.609	1890.128	1859.390
15	1211.483	1233.234	1198.885	1217.485	1194.130
20	756.839	775.304	754.121	759.178	739.042
25	489.533	532.427	508.501	514.346	470.793
30	258.565	334.524	377.874	313.816	245.095
35	83.601	132.910	236.304	119.749	80.393
40	22.538	29.338	87.662	28.793	22.745
45	17.231	19.502	28.664	20.384	17.672
50	21.116	22.996	25.604	22.285	21.578
55	23.877	25.427	24.799	25.039	24.620
60	16.727	19.928	18.505	18.114	17.052
65	6.630	9.340	7.597	8.584	6.758
70	3.037	3.841	1.800	3.207	4.163
75	1.311	2.694	0.688	2.266	1.468
80	0.677	0.991	0.822	0.756	0.828
85	0.678	0.735	0.729	0.775	0.660
90	0.385	0.349	0.264	0.499	0.348

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_6 ~ SS4MX-XT13LE1-SDD4X-XXK-MDMWNL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	566.72	N.A.	59.20
0-30	804.54	N.A.	84.10
0-40	903.45	N.A.	94.40
0-60	944.65	N.A.	98.80
0-80	955.86	N.A.	99.90
0-90	956.59	N.A.	100.00
10-90	735.89	N.A.	76.90
20-40	336.73	N.A.	35.20
20-50	357.51	N.A.	37.40
40-70	50.45	N.A.	5.30
60-80	11.21	N.A.	1.20
70-80	1.97	N.A.	0.20
80-90	0.72	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	956.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	220.70
10-20	346.02
20-30	237.82
30-40	98.91
40-50	20.78
50-60	20.42
60-70	9.25
70-80	1.97
80-90	0.72
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP_00547_6 ~ SS4MX-XT13LE1-SDD4X-XXK-MDMWNL.IES

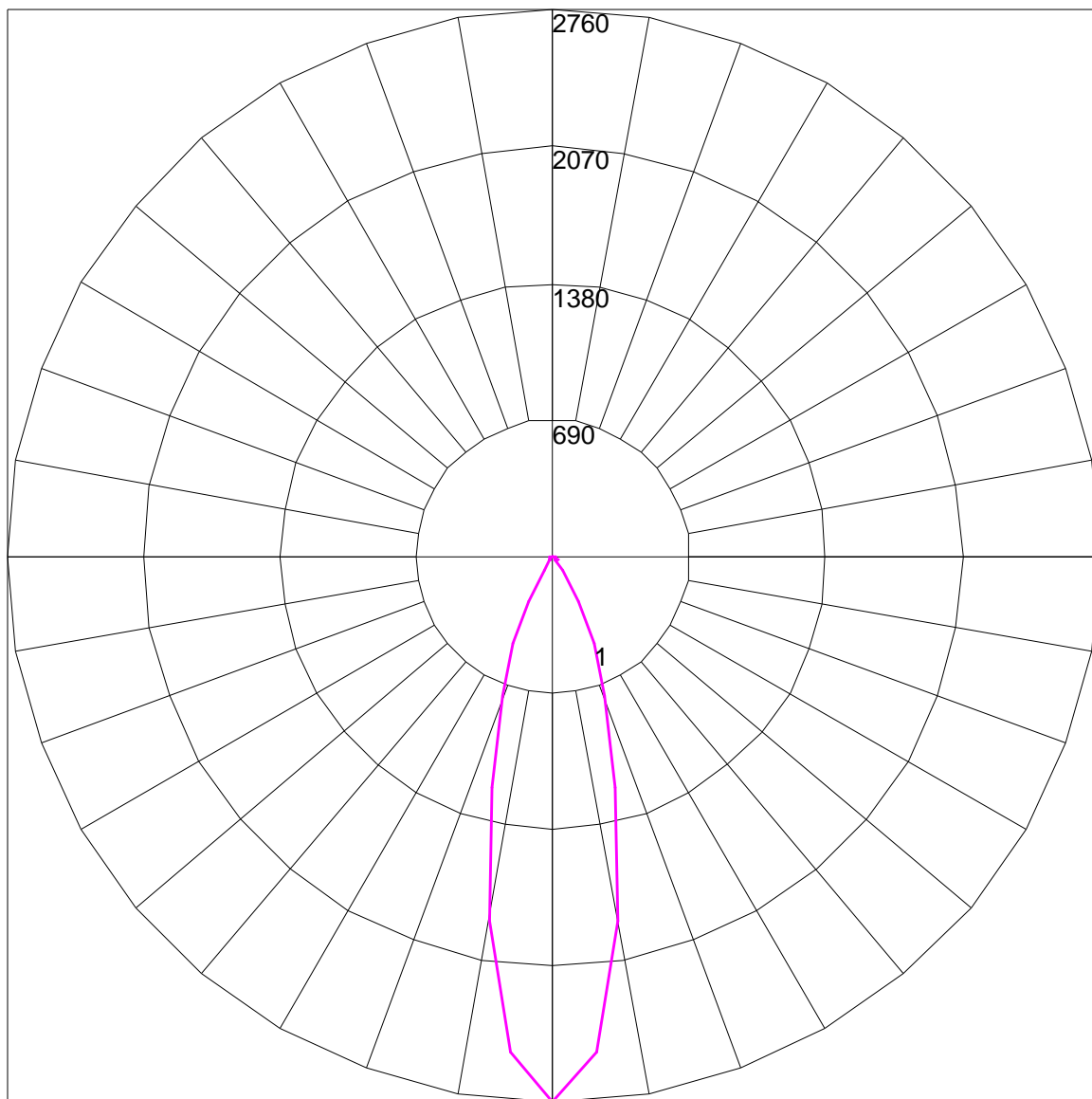
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	81	95	88	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	81	76	73	88	81	76	72	79	75	72	78	75	72	77	74	71	70
8	86	78	73	69	85	77	73	69	76	72	69	75	71	69	74	71	68	67
9	83	75	70	66	82	74	69	66	73	69	66	73	69	66	72	68	66	64
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_6 ~ SS4MX-XT13LE1-SDD4X-XXK-MDMWNL.IES

POLAR GRAPH



Maximum Candela = 2760.47 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)