

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_9 ~ SS4MX-XT13LE1-SDD4X-XXK-WDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.9_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/26/2017
 [LUMCAT] SS4MRx-XT13L-E1-SDD4x-xxK-WD-MW-NL
 [LUMINAIRE] Nom. Deep 4" Square Downlight, Deep profile , Wide Beam
 [OTHER] Matte White Trim, No lens
 [OTHER] 35.4 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	994
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.56
Spacing Criterion (Diagonal)	0.64
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_9 ~ SS4MX-XT13LE1-SDD4X-XXK-WDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10063	11691	10249
55	8042	9245	7796
65	2939	2714	2597
75	974	1219	857
85	1498	2014	1693

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_9 ~ SS4MX-XT13LE1-SDD4X-XXK-WDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2152.676	2152.676	2152.676	2152.676	2152.676
5	2033.274	2050.655	2038.131	2043.367	2020.354
10	1699.257	1752.054	1741.097	1729.362	1673.489
15	1278.685	1350.419	1339.714	1317.064	1251.244
20	905.711	957.875	940.404	936.407	884.865
25	587.651	643.639	629.387	623.251	566.232
30	294.668	377.370	420.431	345.699	270.012
35	94.236	156.274	240.261	127.458	82.807
40	30.488	47.713	90.883	35.654	30.359
45	25.940	25.146	30.137	26.562	26.420
50	22.505	22.221	21.806	23.039	22.383
55	16.815	18.097	19.331	17.136	16.301
60	9.085	11.480	12.727	10.655	8.339
65	4.528	4.967	4.182	4.840	4.001
70	4.587	3.532	1.677	4.013	4.284
75	0.919	1.824	1.150	1.507	0.809
80	0.512	0.392	0.509	0.664	0.554
85	0.476	0.717	0.640	0.456	0.538
90	0.444	0.164	0.426	0.260	0.532

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_9 ~ SS4MX-XT13LE1-SDD4X-XXK-WDMWNL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	550.99	N.A.	55.40
0-30	837.00	N.A.	84.20
0-40	946.13	N.A.	95.20
0-60	985.94	N.A.	99.20
0-80	993.46	N.A.	99.90
0-90	994.01	N.A.	100.00
10-90	809.13	N.A.	81.40
20-40	395.13	N.A.	39.80
20-50	419.59	N.A.	42.20
40-70	45.59	N.A.	4.60
60-80	7.52	N.A.	0.80
70-80	1.74	N.A.	0.20
80-90	0.55	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	994.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	184.88
10-20	366.12
20-30	286.01
30-40	109.13
40-50	24.45
50-60	15.36
60-70	5.78
70-80	1.74
80-90	0.55
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_9 ~ SS4MX-XT13LE1-SDD4X-XXK-WDMWNL.IES

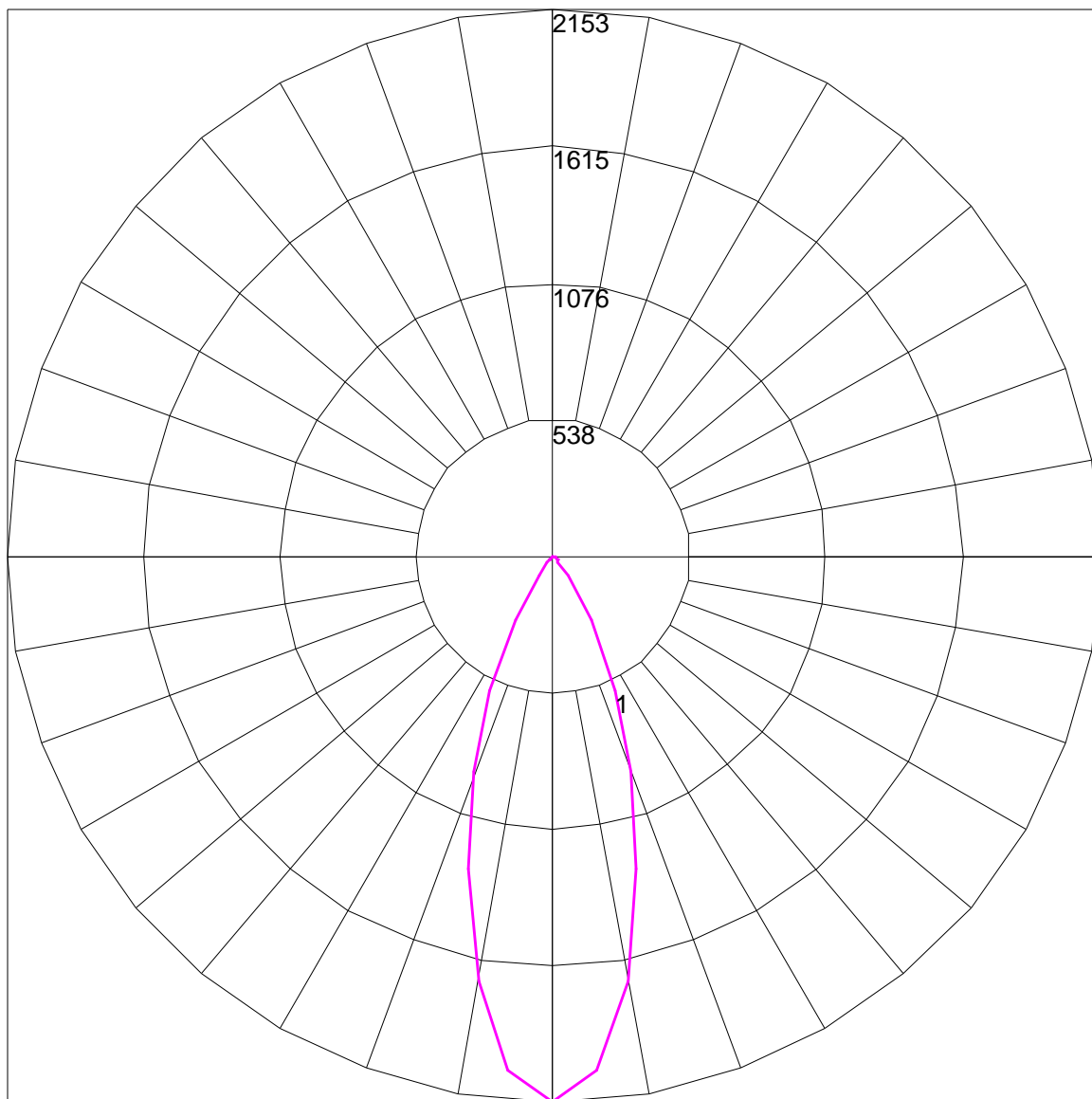
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	77	71	68	84	76	71	68	75	70	67	74	70	67	73	69	67	66
9	82	73	68	65	81	73	68	64	72	67	64	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	64	61	68	64	61	68	64	61	60

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_9 ~ SS4MX-XT13LE1-SDD4X-XXK-WDMWNL.IES

POLAR GRAPH



Maximum Candela = 2152.676 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)