

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_5 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00547.5_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 3/21/2017

[UPDATE] 4/20/2017

[LUMCAT] SS4MRx-XT10L-E1-SDD4x-xxK-ND-MW-SO

[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Narrow Beam

[OTHER] Matte White Trim, Solite lens

[OTHER] 23.7 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	633
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.40
Spacing Criterion (Diagonal)	0.42
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_5 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7152	12825	7111
55	4649	7732	4472
65	3141	3160	2799
75	683	947	637
85	1023	1158	1476

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_5 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2354.906	2354.906	2354.906	2354.906	2354.906
5	2083.692	2105.540	2057.196	2086.110	2072.082
10	1404.255	1425.973	1362.214	1369.199	1338.717
15	787.189	801.568	766.581	752.801	743.453
20	433.354	446.077	442.364	429.942	421.751
25	249.566	279.791	290.726	269.634	248.150
30	137.714	170.870	194.368	160.071	133.132
35	68.167	93.853	113.763	82.358	60.894
40	32.361	47.692	57.676	40.150	28.595
45	18.436	27.161	33.060	23.710	18.331
50	13.088	17.626	22.767	16.359	12.556
55	9.722	12.756	16.167	12.339	9.351
60	7.421	9.098	9.400	8.510	7.111
65	4.839	4.550	4.869	5.228	4.312
70	2.238	2.300	1.816	2.217	2.444
75	0.644	0.849	0.894	0.683	0.601
80	0.467	0.372	0.233	0.370	0.787
85	0.325	0.416	0.368	0.561	0.469
90	0.162	0.094	0.286	0.212	0.405

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_5 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWSO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	404.27	N.A.	63.90
0-30	533.97	N.A.	84.40
0-40	593.47	N.A.	93.80
0-60	626.49	N.A.	99.00
0-80	632.59	N.A.	99.90
0-90	632.99	N.A.	100.00
10-90	456.04	N.A.	72.00
20-40	189.19	N.A.	29.90
20-50	210.76	N.A.	33.30
40-70	38.04	N.A.	6.00
60-80	6.09	N.A.	1.00
70-80	1.08	N.A.	0.20
80-90	0.41	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	632.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	176.95
10-20	227.32
20-30	129.69
30-40	59.50
40-50	21.57
50-60	11.46
60-70	5.02
70-80	1.08
80-90	0.41
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_5 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWSO.IES

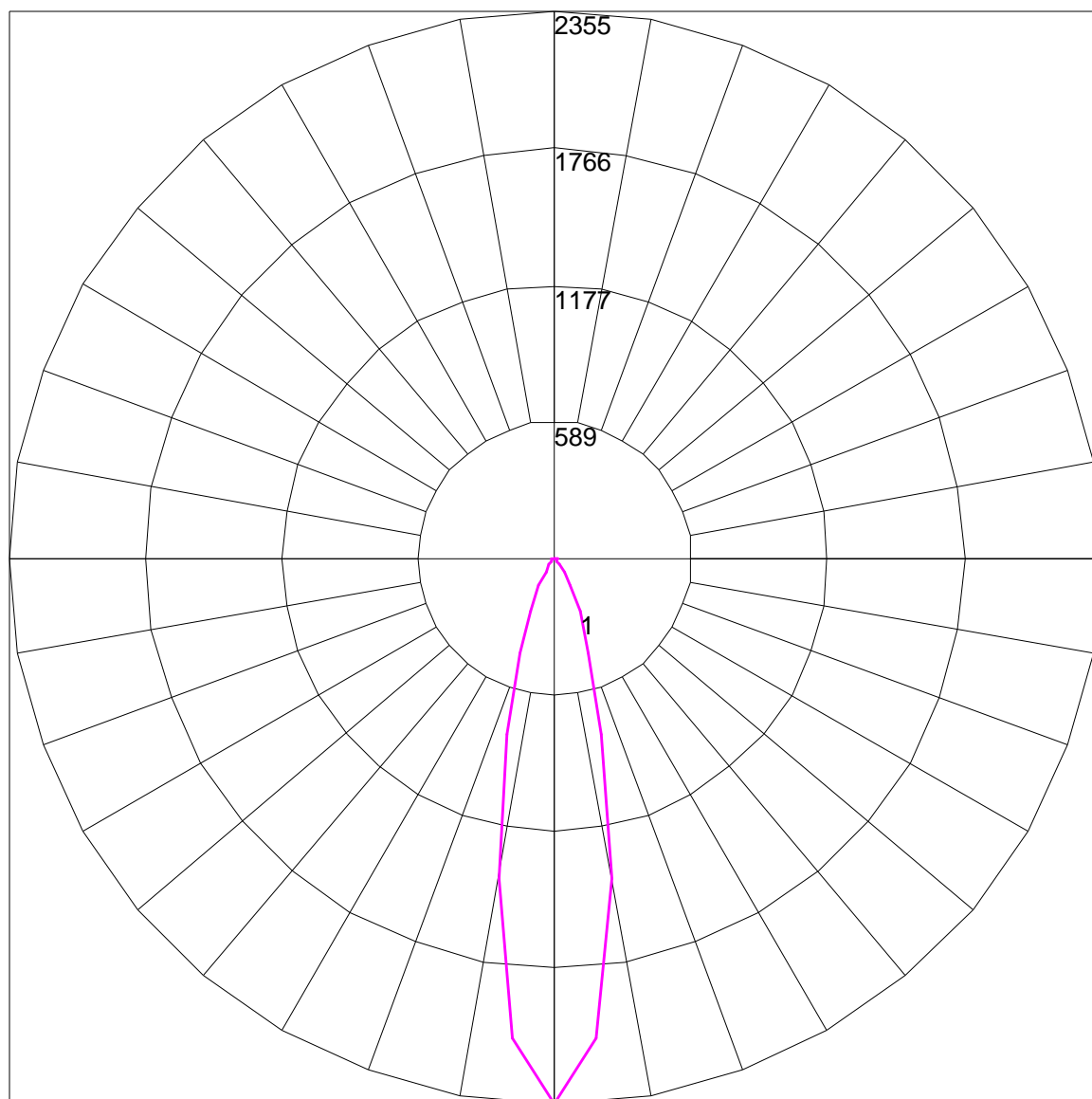
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	92	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	97	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69
9	85	77	72	69	84	76	72	69	75	71	68	75	71	68	74	71	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_5 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWSO.IES

POLAR GRAPH



Maximum Candela = 2354.906 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)