

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_11 ~ SS4MX-XT10LE1-SDD4X-XXK-WDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00547.11_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 3/21/2017

[UPDATE] 4/20/2017

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

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

[OTHER] Matte White Trim, Solite lens

[OTHER] 37.2 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	651
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.66
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	10931	15618	11151
55	6240	8141	6517
65	3918	3678	3873
75	854	928	798
85	2046	1835	1067

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_11 ~ SS4MX-XT10LE1-SDD4X-XXK-WDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1287.636	1287.636	1287.636	1287.636	1287.636
5	1229.652	1234.477	1226.662	1229.489	1220.307
10	1052.195	1064.145	1050.199	1054.352	1037.978
15	815.093	835.153	820.729	821.767	800.530
20	578.026	603.624	593.918	591.133	566.440
25	368.877	399.200	403.612	387.948	359.072
30	205.017	234.827	253.951	223.961	193.771
35	99.950	122.336	143.427	112.165	90.965
40	48.811	61.157	73.716	55.684	46.100
45	28.179	34.582	40.260	32.942	28.746
50	18.572	22.006	26.028	21.441	19.747
55	13.047	14.880	17.023	14.986	13.628
60	8.947	9.733	10.290	10.145	9.413
65	6.037	6.026	5.667	6.397	5.967
70	3.171	3.371	2.676	3.855	3.309
75	0.806	1.126	0.876	1.146	0.753
80	0.511	0.524	0.554	0.427	0.506
85	0.650	0.449	0.583	0.446	0.339
90	0.241	0.207	0.385	0.240	0.197

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Zone	Lumens	%Lamp	%Fixt
0-20	339.28	N.A.	52.10
0-30	519.99	N.A.	79.80
0-40	600.67	N.A.	92.20
0-60	643.20	N.A.	98.70
0-80	650.93	N.A.	99.90
0-90	651.41	N.A.	100.00
10-90	539.68	N.A.	82.80
20-40	261.40	N.A.	40.10
20-50	290.08	N.A.	44.50
40-70	48.74	N.A.	7.50
60-80	7.73	N.A.	1.20
70-80	1.51	N.A.	0.20
80-90	0.48	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	651.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.73
10-20	227.55
20-30	180.72
30-40	80.68
40-50	28.68
50-60	13.85
60-70	6.21
70-80	1.51
80-90	0.48
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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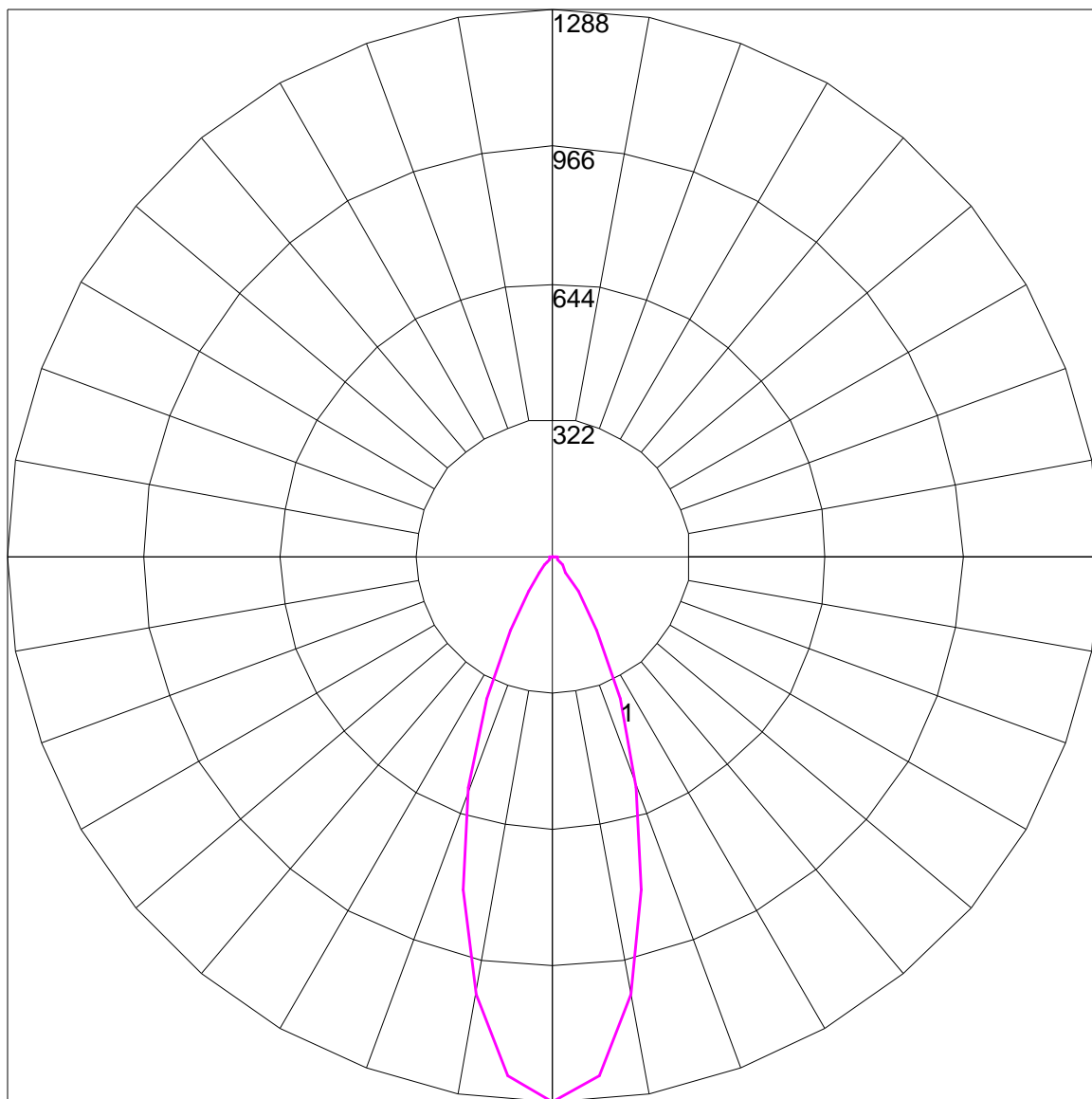
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	77	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	61	59	57

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POLAR GRAPH



Maximum Candela = 1287.636 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)