

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_12 ~ SS4MX-XT13LE1-SDD4X-XXK-XWMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00547.12_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 3/21/2017

[UPDATE] 4/21/2017

[LUMCAT] SS4MRx-XT13L-E1-SDD4x-xxK-XW-MW-NL

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

[OTHER] Matte White Trim, No lens

[OTHER] 54.8 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	1036
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.90
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_12 ~ SS4MX-XT13LE1-SDD4X-XXK-XWMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13281	15553	13890
55	3525	5436	3997
65	3004	1565	3195
75	1815	1296	1279
85	2219	1621	1158

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_12 ~ SS4MX-XT13LE1-SDD4X-XXK-XWMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1272.072	1272.072	1272.072	1272.072	1272.072
5	1260.290	1259.688	1256.975	1256.854	1249.645
10	1202.127	1207.237	1199.693	1197.716	1188.898
15	1109.076	1122.653	1118.038	1117.379	1093.998
20	962.216	992.451	1004.437	981.720	955.308
25	767.105	809.051	845.589	809.428	759.519
30	491.731	564.644	633.890	556.361	490.602
35	223.184	288.604	373.509	273.050	230.312
40	83.688	104.052	144.902	98.533	86.349
45	34.235	38.386	40.093	38.377	35.806
50	15.157	18.019	19.481	17.874	15.787
55	7.370	9.870	11.367	9.052	8.357
60	4.854	5.956	5.474	5.928	5.671
65	4.629	4.301	2.411	4.427	4.923
70	4.179	4.412	1.798	4.892	4.530
75	1.713	1.574	1.223	2.465	1.207
80	0.600	0.861	0.448	0.520	0.591
85	0.705	0.714	0.515	0.616	0.368
90	0.581	0.253	0.588	0.434	0.644

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Zone	Lumens	%Lamp	%Fixt
0-20	428.46	N.A.	41.30
0-30	789.49	N.A.	76.20
0-40	981.46	N.A.	94.70
0-60	1029.2	N.A.	99.30
0-80	1035.59	N.A.	99.90
0-90	1036.21	N.A.	100.00
10-90	918.07	N.A.	88.60
20-40	553.00	N.A.	53.40
20-50	591.30	N.A.	57.10
40-70	52.07	N.A.	5.00
60-80	6.39	N.A.	0.60
70-80	2.06	N.A.	0.20
80-90	0.62	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	1036.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	118.14
10-20	310.33
20-30	361.03
30-40	191.97
40-50	38.30
50-60	9.44
60-70	4.33
70-80	2.06
80-90	0.62
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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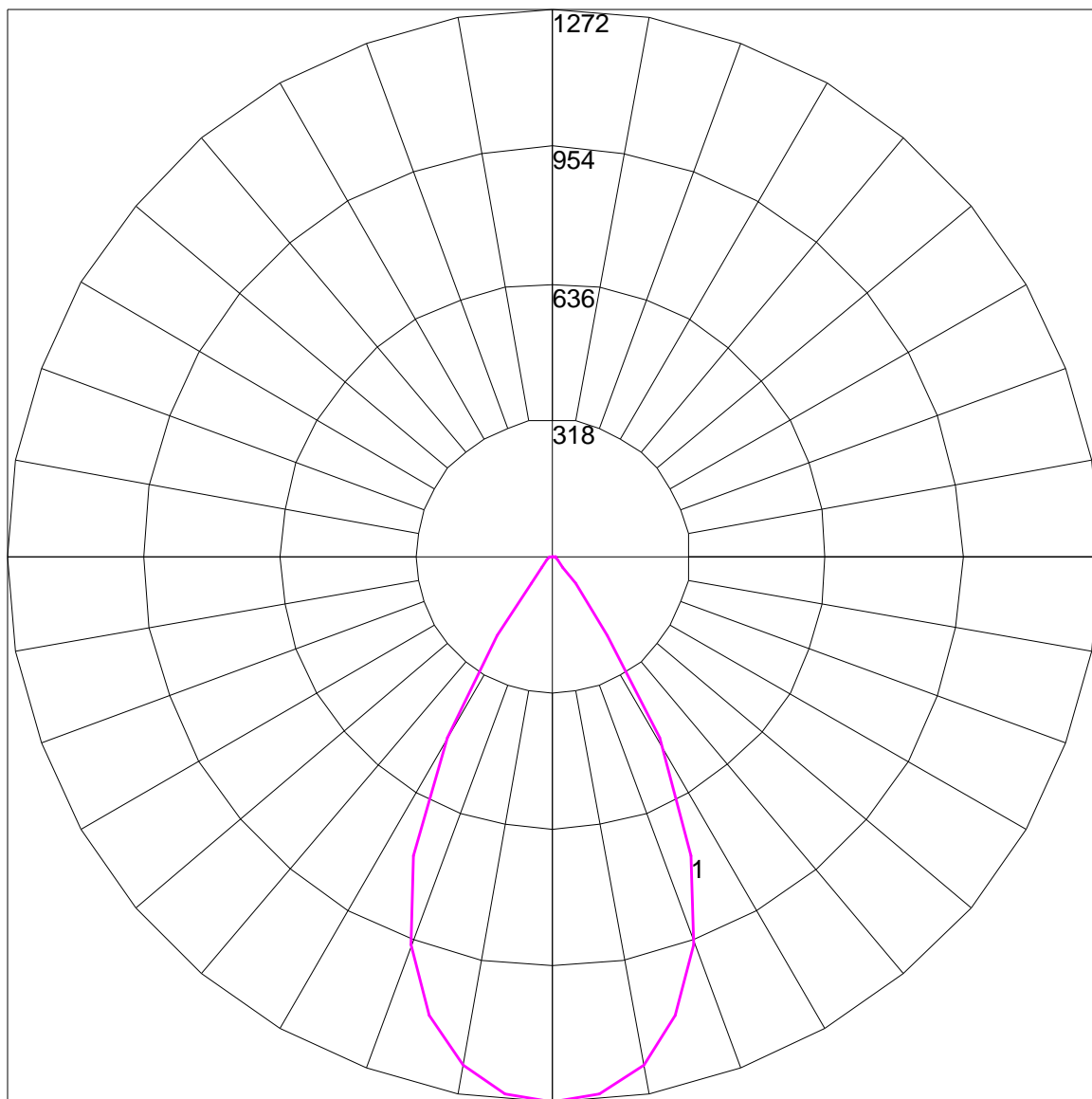
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	86	82	79	84	81	78	77
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	71	68	65	63
8	81	72	66	62	80	71	65	62	70	65	61	69	64	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55	62	58	54	61	57	54	53

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POLAR GRAPH



Maximum Candela = 1272.072 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)