

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_10 ~ SS4MX-XT13LE1-SDD4X-XXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00547.10_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 3/21/2017

[UPDATE] 4/20/2017

[LUMCAT] SS4MRx-XT13L-E1-SDD4x-xxK-WD-MW-GL

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

[OTHER] Matte White Trim, Clear glass lens

[OTHER] 35.8 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	918
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13265	15119	13577
55	9397	10822	10134
65	3062	3855	3503
75	1507	1375	807
85	1722	2213	1961

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_10 ~ SS4MX-XT13LE1-SDD4X-XXK-WDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1934.403	1934.403	1934.403	1934.403	1934.403
5	1838.594	1856.372	1846.430	1851.724	1837.510
10	1542.953	1583.859	1581.717	1572.046	1530.896
15	1160.937	1218.849	1213.583	1202.127	1145.956
20	824.062	865.553	848.518	850.186	809.753
25	535.905	587.932	569.131	573.011	524.765
30	264.747	335.345	384.185	319.097	256.051
35	86.753	125.409	224.215	113.605	81.052
40	38.159	44.116	91.925	39.486	37.926
45	34.194	36.417	38.973	35.435	35.000
50	28.463	29.577	28.321	29.716	29.203
55	19.649	22.508	22.629	22.294	21.191
60	9.680	12.545	14.394	12.459	11.322
65	4.717	5.227	5.940	5.930	5.397
70	4.177	3.734	2.022	3.746	4.123
75	1.422	1.740	1.297	1.475	0.761
80	0.570	0.442	0.751	0.574	0.695
85	0.547	0.549	0.703	0.413	0.623
90	0.525	0.519	0.525	0.251	0.405

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Zone	Lumens	%Lamp	%Fixt
0-20	499.82	N.A.	54.40
0-30	760.35	N.A.	82.80
0-40	860.05	N.A.	93.70
0-60	908.96	N.A.	99.00
0-80	917.40	N.A.	99.90
0-90	917.99	N.A.	100.00
10-90	750.54	N.A.	81.80
20-40	360.23	N.A.	39.20
20-50	390.08	N.A.	42.50
40-70	55.56	N.A.	6.10
60-80	8.44	N.A.	0.90
70-80	1.79	N.A.	0.20
80-90	0.59	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	917.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	167.45
10-20	332.37
20-30	260.54
30-40	99.69
40-50	29.85
50-60	19.07
60-70	6.65
70-80	1.79
80-90	0.59
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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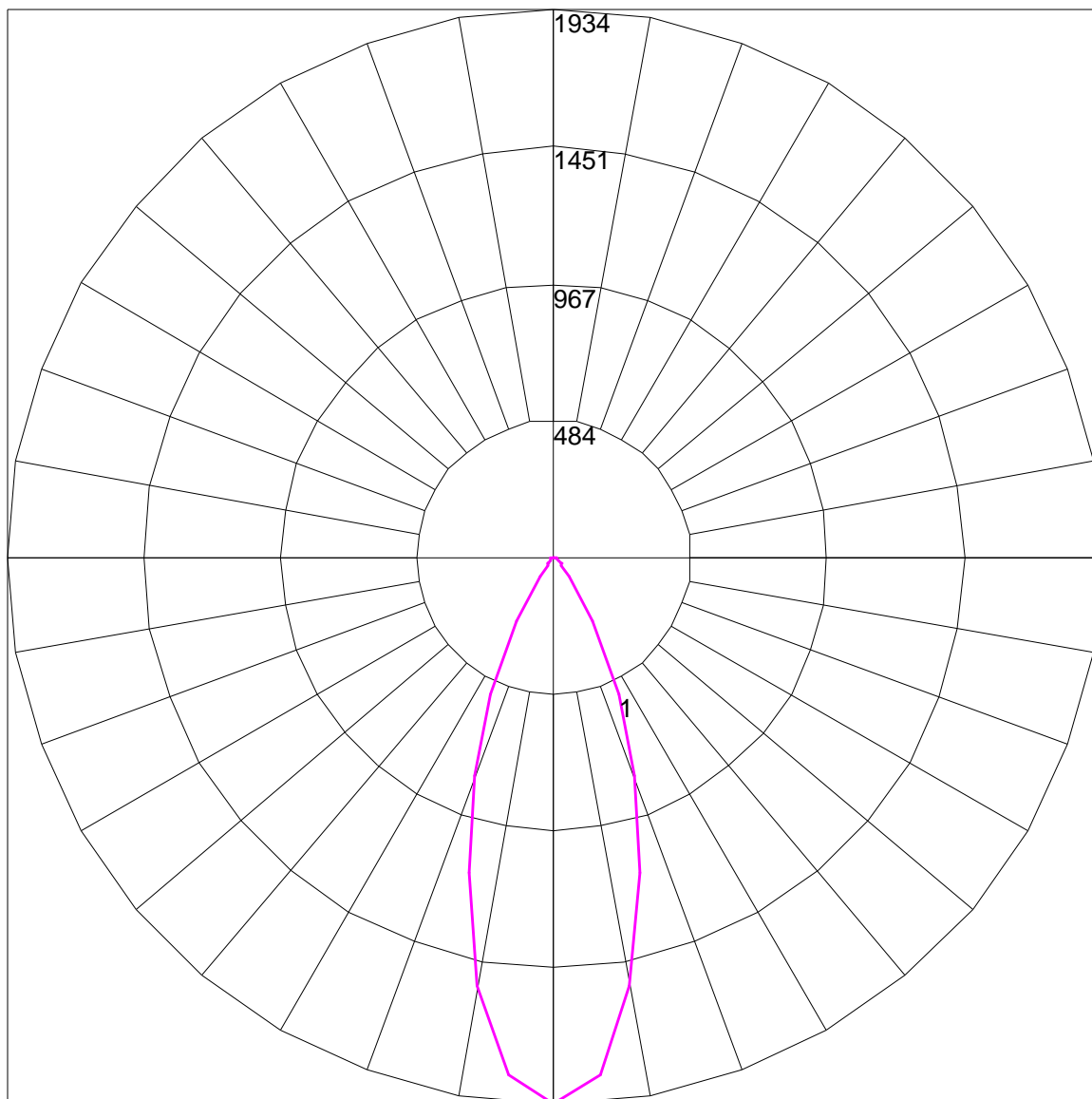
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	105	101	98	107	103	99	97	100	97	95	97	94	93	94	92	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	91	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	79	74	70	86	79	74	70	78	73	70	77	72	69	75	72	69	68
8	84	76	71	67	83	75	70	67	74	70	66	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	67	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59

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POLAR GRAPH



Maximum Candela = 1934.403 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)