

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_2 ~ SR2MRX-XT13LE1-XD2FXXK-WDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00544_2_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 12/28/2016

[UPDATE] 4/3/2017

[LUMCAT] SR2MRx-XT13L-E1-xD2F-xxK-WD-MW-NL

[LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Wide Beam

[OTHER] Matte White Trim, No lens

[OTHER] 51.2 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: SR2MO-XT-series

[OTHER] For New Construction IC Rated Housing: SR2MI-XT-Series

[OTHER] For Remodel/Retrofit Housing: SR2MR-XT-Series

[OTHER] For RD2F or SD2F Downlight Trim

[OTHER] LEDXT lumen output is the same for all available CCT's

[OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1239
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.80
Spacing Criterion (90-270)	0.80
Spacing Criterion (Diagonal)	0.82
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.24 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	35585	37434	37130
55	1338	1433	1484
65	1207	1258	1052
75	1159	983	1301
85	2284	1994	1144

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1600.342	1600.342	1600.342	1600.342	1600.342
5	1571.194	1570.128	1569.061	1568.794	1568.527
10	1465.799	1467.987	1470.174	1468.682	1467.190
15	1289.504	1293.874	1298.244	1295.180	1292.116
20	1060.156	1064.457	1068.757	1070.805	1072.852
25	824.823	826.015	827.206	828.040	828.874
30	616.017	614.654	613.291	614.823	616.353
35	406.498	408.051	409.604	411.883	414.161
40	222.488	224.129	225.770	227.417	229.064
45	101.487	104.124	106.761	106.328	105.895
50	9.351	13.868	18.385	21.044	23.702
55	3.095	3.206	3.316	3.375	3.434
60	2.412	2.595	2.777	2.913	3.048
65	2.057	2.100	2.144	1.969	1.794
70	1.594	1.550	1.505	1.748	1.992
75	1.210	1.118	1.026	1.192	1.358
80	1.049	0.856	0.662	0.748	0.834
85	0.803	0.752	0.701	0.551	0.402
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	505.13	N.A.	40.80
0-30	886.30	N.A.	71.50
0-40	1143.27	N.A.	92.30
0-60	1235.25	N.A.	99.70
0-80	1238.6	N.A.	100.00
0-90	1239.18	N.A.	100.00
10-90	1092.61	N.A.	88.20
20-40	638.13	N.A.	51.50
20-50	724.21	N.A.	58.40
40-70	94.08	N.A.	7.60
60-80	3.35	N.A.	0.30
70-80	1.26	N.A.	0.10
80-90	0.57	N.A.	0.00
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	1239.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	146.57
10-20	358.57
20-30	381.17
30-40	256.96
40-50	86.08
50-60	5.91
60-70	2.10
70-80	1.26
80-90	0.57
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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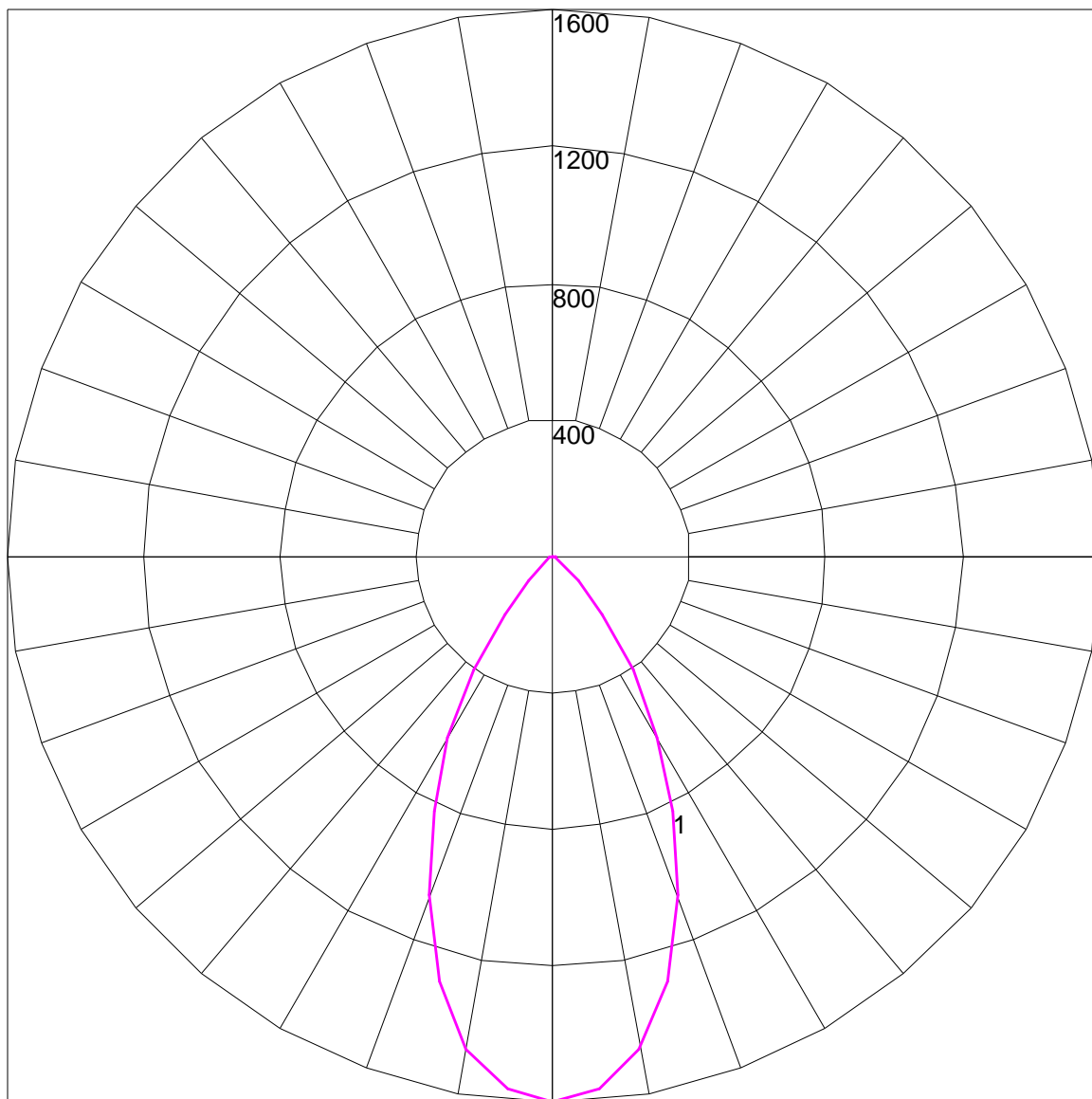
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	80	74	69	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	64	61	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52

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POLAR GRAPH



Maximum Candela = 1600.342 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)