

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00544_1 ~ SR2MRX-XT13LE1-XD2FXXK-MDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00544_1_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 12/28/2016
 [UPDATE] 4/19/2017
 [LUMCAT] SR2MRx-XT13L-E1-xD2F-xxK-MD-MW-NL
 [LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Medium Beam
 [OTHER] Matte White Trim, No lens
 [OTHER] 35 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	1222
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.58
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.24 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_1 ~ SR2MRX-XT13LE1-XD2FXXK-MDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6478	5392	5127
55	1366	1627	2501
65	2364	2953	2236
75	1437	1618	1014
85	2324	4074	3627

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_1 ~ SR2MRX-XT13LE1-XD2FXXK-MDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2782.526	2782.526	2782.526	2782.526	2782.526
5	2699.207	2703.551	2707.893	2715.916	2723.938
10	2393.785	2411.454	2429.121	2434.294	2439.467
15	1732.294	1744.619	1756.945	1757.309	1757.674
20	1052.771	1050.511	1048.251	1049.363	1050.473
25	663.216	655.370	647.522	650.574	653.626
30	429.318	419.785	410.251	410.159	410.067
35	239.972	233.306	226.639	223.095	219.550
40	94.115	88.912	83.710	82.415	81.121
45	18.475	16.927	15.378	15.001	14.623
50	4.634	5.140	5.646	6.092	6.538
55	3.161	3.462	3.763	4.775	5.786
60	3.212	3.362	3.511	3.400	3.288
65	4.029	4.532	5.034	4.423	3.811
70	3.459	3.426	3.393	3.137	2.880
75	1.500	1.594	1.689	1.374	1.059
80	1.197	1.307	1.417	1.203	0.989
85	0.817	1.124	1.432	1.353	1.275
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	727.69	N.A.	59.50
0-30	1041.44	N.A.	85.20
0-40	1188.52	N.A.	97.20
0-60	1215.55	N.A.	99.40
0-80	1221.4	N.A.	99.90
0-90	1222.42	N.A.	100.00
10-90	973.15	N.A.	79.60
20-40	460.83	N.A.	37.70
20-50	484.01	N.A.	39.60
40-70	30.90	N.A.	2.50
60-80	5.85	N.A.	0.50
70-80	1.98	N.A.	0.20
80-90	1.02	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	1222.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	249.27
10-20	478.42
20-30	313.75
30-40	147.08
40-50	23.18
50-60	3.85
60-70	3.87
70-80	1.98
80-90	1.02
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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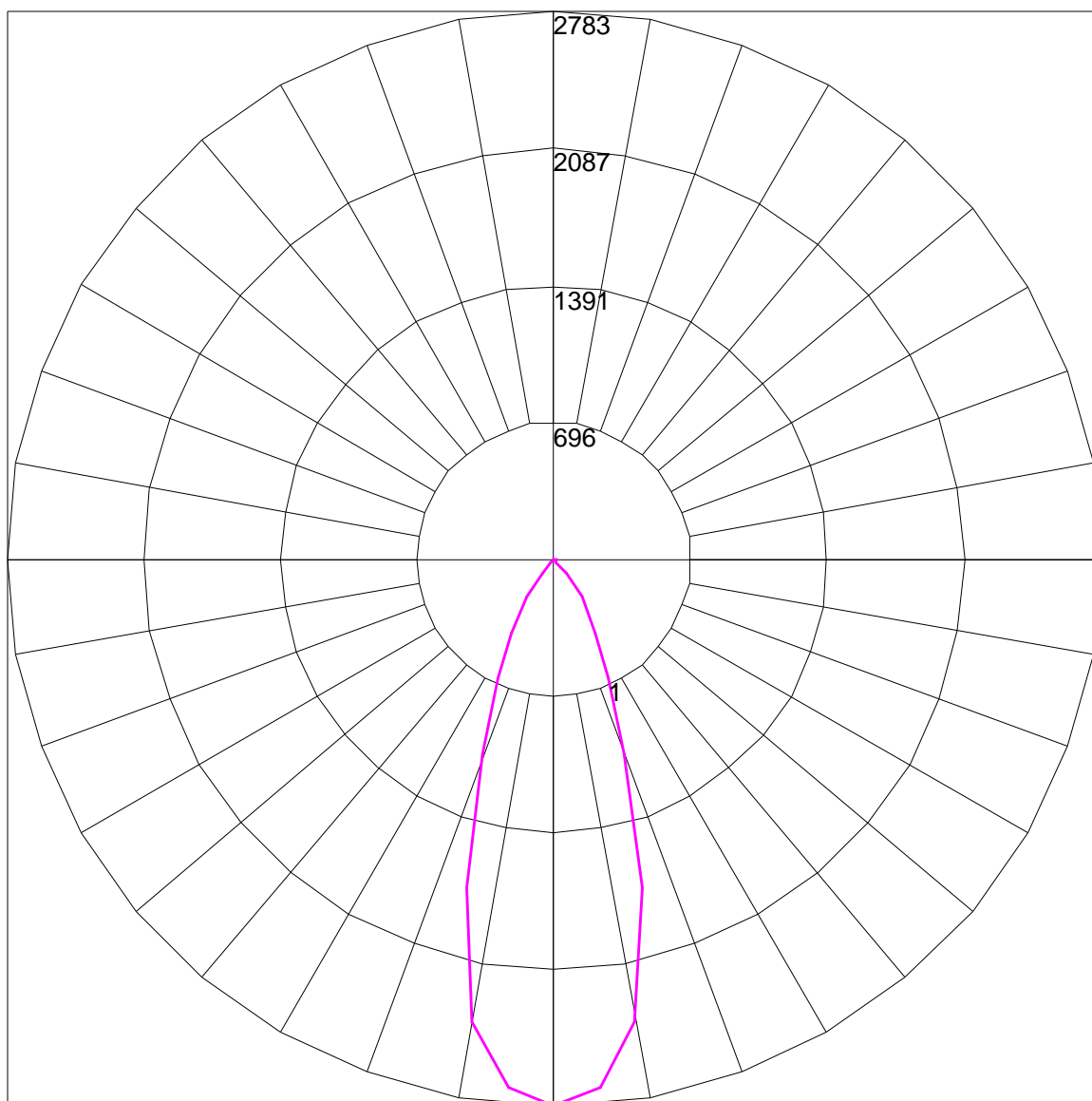
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86
4	101	94	90	86	99	93	89	86	91	88	85	89	86	84	88	85	83	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	78
6	93	86	81	77	92	85	80	77	83	79	76	82	78	76	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68
9	83	75	70	67	82	74	70	66	74	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

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POLAR GRAPH



Maximum Candela = 2782.526 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)