

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_6 ~ SR2MRX-XT13LE1-XD2FXXK-MDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00544_6_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/20/2017
[UPDATE] 4/19/2017
[LUMCAT] SR2MRx-XT13L-E1-xD2F-xxK-MD-MW-SO
[LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Medium Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 35.3 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	1132
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.62
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	17278	18919	22340
55	5819	6627	7715
65	3851	4303	5667
75	2330	1991	2181
85	2782	4193	2518

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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	2394.326	2394.326	2394.326	2394.326	2394.326
5	2289.537	2286.245	2284.455	2295.241	2292.476
10	1962.539	1956.011	1959.359	1967.595	1972.561
15	1457.704	1455.787	1465.532	1480.577	1490.191
20	970.626	970.992	985.028	1005.044	1014.781
25	618.288	621.213	631.214	648.551	658.317
30	372.412	376.750	385.672	399.752	406.585
35	203.802	205.410	212.005	224.232	231.494
40	101.167	100.857	106.948	117.280	122.940
45	49.278	50.677	53.956	60.538	63.713
50	25.335	25.245	26.655	31.175	34.230
55	13.462	15.299	15.332	17.870	17.849
60	10.093	10.954	12.188	13.179	13.369
65	6.564	7.369	7.334	8.673	9.660
70	4.378	3.727	4.247	5.193	5.599
75	2.432	1.750	2.078	2.111	2.277
80	1.292	0.984	1.331	0.934	1.451
85	0.978	0.926	1.474	1.059	0.885
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	614.18	N.A.	54.30
0-30	913.86	N.A.	80.80
0-40	1056.69	N.A.	93.40
0-60	1120.19	N.A.	99.00
0-80	1130.76	N.A.	99.90
0-90	1131.67	N.A.	100.00
10-90	923.58	N.A.	81.60
20-40	442.51	N.A.	39.10
20-50	489.91	N.A.	43.30
40-70	71.48	N.A.	6.30
60-80	10.57	N.A.	0.90
70-80	2.59	N.A.	0.20
80-90	0.91	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	1131.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	208.09
10-20	406.08
20-30	299.68
30-40	142.83
40-50	47.39
50-60	16.11
60-70	7.98
70-80	2.59
80-90	0.91
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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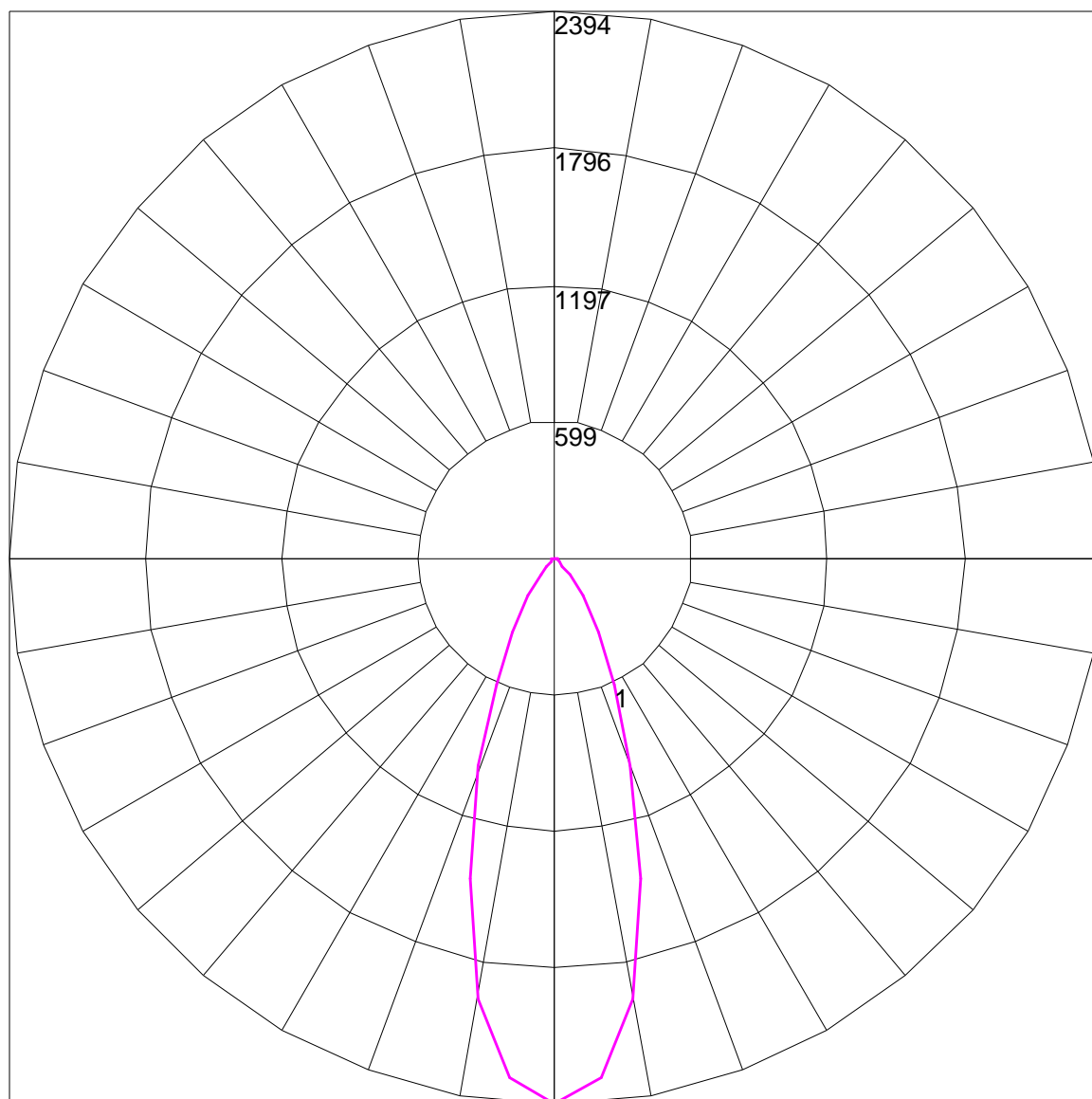
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 2394.326 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)