

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544 ~ SR2MRX-XT20LE1-XD2FXXK-XNMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00544_M-20L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 12/28/2016
[UPDATE] 4/19/2017
[LUMCAT] SR2MRx-XT20L-E1-xD2F-xxK-XN-MW-NL
[LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Xtra Narrow Beam
[OTHER] Matte White Trim, No lens
[OTHER] 14.4 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 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 13L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1883
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.28
Spacing Criterion (Diagonal)	0.26
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	9506	11167	9837
55	15625	16003	15417
65	8577	8597	8295
75	5619	5195	3616
85	5098	4771	7467

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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	13002.374	13002.374	13002.374	13002.374	13002.374
5	9340.073	9555.146	9770.219	9754.359	9738.497
10	2929.005	3236.244	3543.482	3490.072	3436.660
15	1226.494	1193.211	1159.927	1164.037	1168.145
20	904.603	909.860	915.117	912.658	910.198
25	864.914	865.709	866.505	864.966	863.426
30	779.767	766.147	752.525	745.191	737.855
35	397.711	368.260	338.807	327.933	317.059
40	76.056	70.537	65.017	62.046	59.074
45	27.111	29.481	31.848	29.953	28.056
50	26.378	26.788	27.199	29.398	31.596
55	36.147	36.584	37.021	36.344	35.667
60	32.199	28.225	24.250	25.807	27.364
65	14.620	14.637	14.654	14.397	14.140
70	9.280	8.822	8.362	9.879	11.396
75	5.866	5.645	5.423	4.600	3.775
80	2.603	1.817	1.029	1.292	1.555
85	1.792	1.735	1.677	2.151	2.625
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1178.2	N.A.	62.60
0-30	1569.67	N.A.	83.40
0-40	1801.35	N.A.	95.70
0-60	1859.52	N.A.	98.80
0-80	1881.23	N.A.	99.90
0-90	1882.71	N.A.	100.00
10-90	1146.16	N.A.	60.90
20-40	623.15	N.A.	33.10
20-50	652.60	N.A.	34.70
40-70	74.31	N.A.	3.90
60-80	21.71	N.A.	1.20
70-80	5.57	N.A.	0.30
80-90	1.48	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	1882.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	736.55
10-20	441.65
20-30	391.47
30-40	231.67
40-50	29.46
50-60	28.71
60-70	16.14
70-80	5.57
80-90	1.48
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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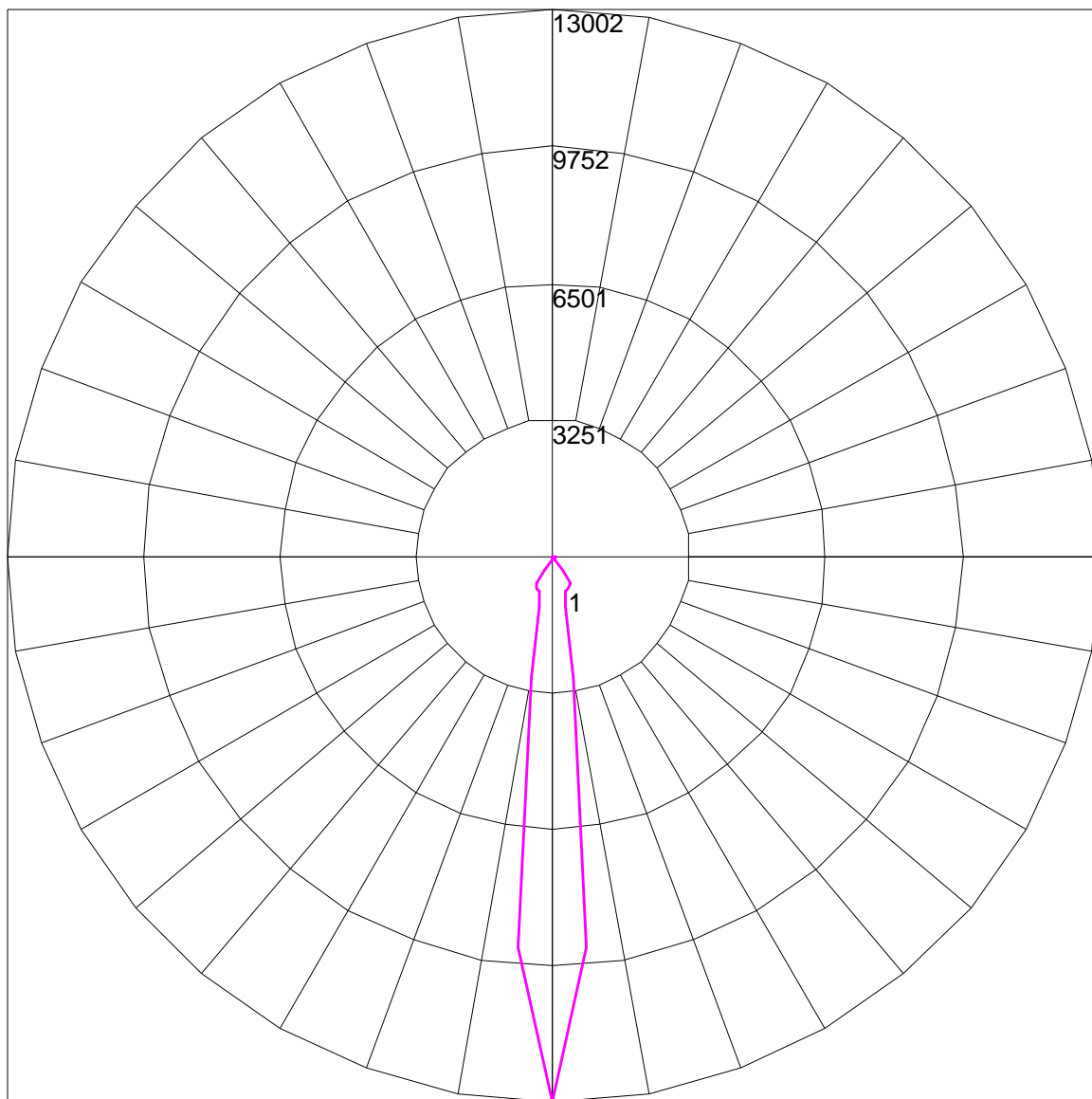
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84
5	99	92	87	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77
7	92	85	80	77	91	84	80	77	83	79	77	82	79	76	81	78	76	75
8	89	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	75	72	78	74	72	77	74	71	77	73	71	70
10	84	77	73	70	83	77	72	70	76	72	69	75	72	69	75	71	69	68

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POLAR GRAPH



Maximum Candela = 13002.374 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)