

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_8 ~ SR2MRX-XT20LE1-XD2FXXK-WDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00544_8
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/21/2017
[UPDATE] 4/19/2017
[LUMCAT] SR2MRx-XT20L-E1-xD2F-xxK-WD-MW-SO
[LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Wide Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 40.0 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1238
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.70
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	12454	15050	12247
55	8689	9506	8697
65	5587	8076	8199
75	4164	5806	6485
85	3417	6842	4173

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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	2515.732	2515.732	2515.732	2515.732	2515.732
5	2464.803	2450.278	2458.604	2460.743	2444.661
10	2220.046	2196.361	2225.216	2213.280	2178.864
15	1763.738	1763.352	1801.232	1771.697	1723.046
20	1260.389	1309.822	1303.676	1294.506	1251.824
25	707.362	825.267	918.564	778.847	696.360
30	248.252	343.127	499.887	305.281	236.914
35	57.874	73.724	177.470	59.583	51.922
40	46.263	45.097	54.346	41.948	43.989
45	35.518	35.727	42.922	34.553	34.927
50	27.155	27.877	32.014	26.316	27.860
55	20.102	20.329	21.991	22.032	20.120
60	12.097	12.586	16.753	16.191	16.556
65	9.523	9.520	13.766	14.824	13.975
70	6.145	6.721	11.149	9.814	10.181
75	4.347	3.804	6.061	5.140	6.770
80	2.430	3.175	12.440	5.146	4.305
85	1.201	1.373	2.405	2.517	1.467
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	714.57	N.A.	57.70
0-30	1080.55	N.A.	87.30
0-40	1168.25	N.A.	94.40
0-60	1216.11	N.A.	98.30
0-80	1234.87	N.A.	99.80
0-90	1237.55	N.A.	100.00
10-90	1011.25	N.A.	81.70
20-40	453.67	N.A.	36.70
20-50	482.42	N.A.	39.00
40-70	59.95	N.A.	4.80
60-80	18.77	N.A.	1.50
70-80	6.68	N.A.	0.50
80-90	2.68	N.A.	0.20
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	1237.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	226.31
10-20	488.27
20-30	365.97
30-40	87.70
40-50	28.75
50-60	19.11
60-70	12.09
70-80	6.68
80-90	2.68
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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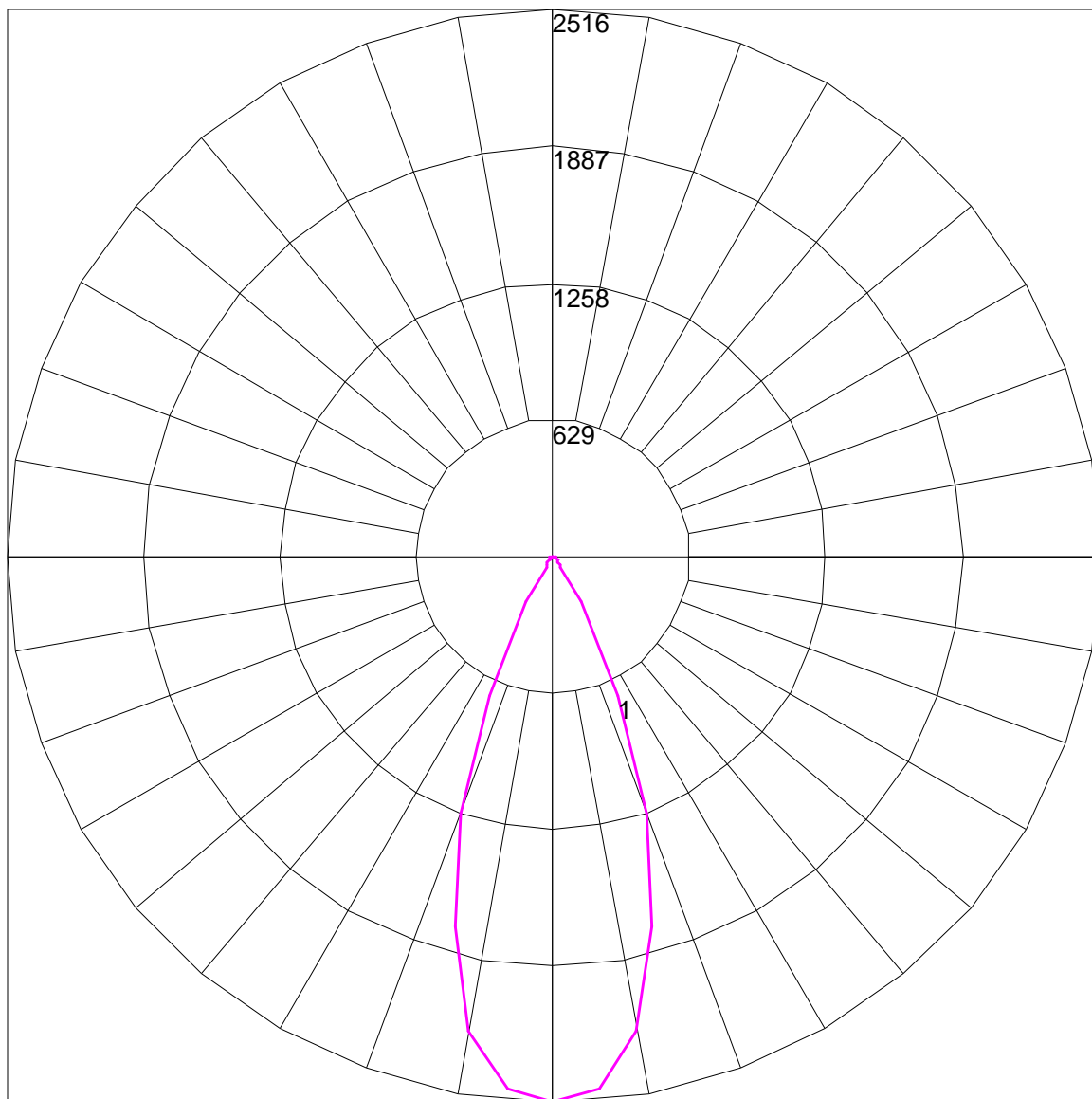
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 2515.732 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)