

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_1 ~ SR2MRX-XT20LE1-XD2FXXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00544_1
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 12/28/2016
[UPDATE] 4/19/2017
[LUMCAT] SR2MRx-XT20L-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 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	1881
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	23.7
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9966	8296	7888
55	2102	2502	3848
65	3636	4544	3440
75	2210	2490	1560
85	3576	6267	5579

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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	4280.809	4280.809	4280.809	4280.809	4280.809
5	4152.627	4159.309	4165.990	4178.332	4190.674
10	3682.747	3709.929	3737.110	3745.068	3753.026
15	2665.068	2684.030	2702.992	2703.553	2704.114
20	1619.647	1616.171	1612.694	1614.404	1616.113
25	1020.333	1008.261	996.188	1000.883	1005.578
30	660.489	645.823	631.156	631.014	630.872
35	369.187	358.932	348.676	343.223	337.769
40	144.792	136.788	128.784	126.793	124.801
45	28.423	26.041	23.659	23.078	22.497
50	7.129	7.908	8.686	9.372	10.058
55	4.863	5.326	5.789	7.346	8.902
60	4.942	5.172	5.402	5.231	5.059
65	6.198	6.972	7.745	6.804	5.863
70	5.321	5.271	5.220	4.826	4.431
75	2.307	2.453	2.599	2.114	1.629
80	1.842	2.011	2.180	1.851	1.522
85	1.257	1.730	2.203	2.082	1.961
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1119.52	N.A.	59.50
0-30	1602.22	N.A.	85.20
0-40	1828.49	N.A.	97.20
0-60	1870.07	N.A.	99.40
0-80	1879.08	N.A.	99.90
0-90	1880.64	N.A.	100.00
10-90	1497.16	N.A.	79.60
20-40	708.97	N.A.	37.70
20-50	744.63	N.A.	39.60
40-70	47.54	N.A.	2.50
60-80	9.01	N.A.	0.50
70-80	3.04	N.A.	0.20
80-90	1.56	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	1880.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	383.49
10-20	736.04
20-30	482.70
30-40	226.27
40-50	35.66
50-60	5.92
60-70	5.96
70-80	3.04
80-90	1.56
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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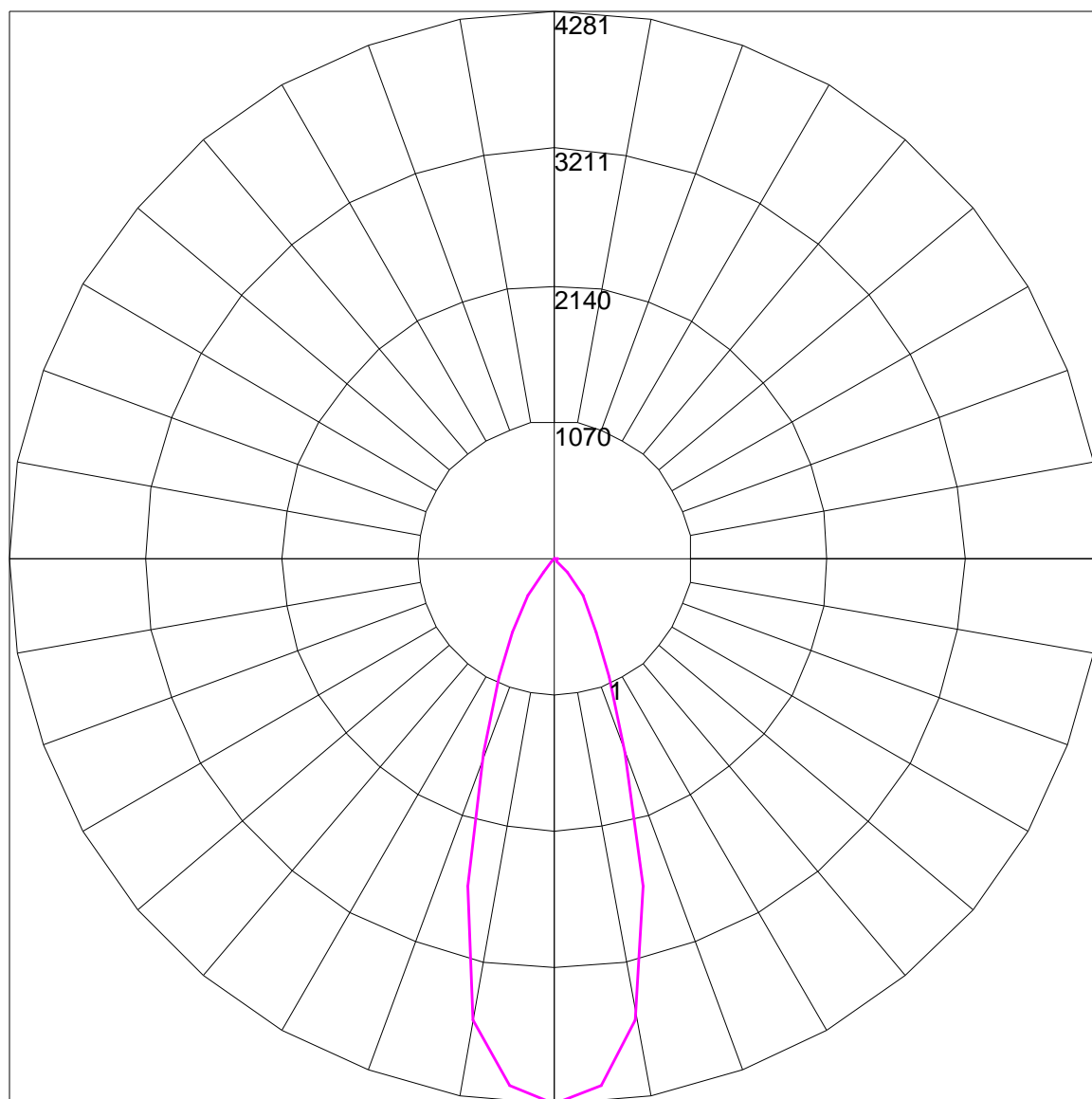
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	98	100	98	96	98	95	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	77
6	93	86	80	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	72	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	69	77	72	69	76	72	69	75	71	69	67
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 = 4280.809 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)