

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00544\_1 ~ SR2MRX-XT10LE1-XD2FXXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00544\_1\_M-10L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 12/28/2016  
[UPDATE] 4/19/2017  
[LUMCAT] SR2MRx-XT10L-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	907
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	11.1
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-XT10LE1-XD2FXXK-MDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4809	4002	3806
55	1014	1207	1857
65	1755	2192	1660
75	1066	1201	753
85	1727	3024	2691

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00544\_1 ~ SR2MRX-XT10LE1-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>
<b>0</b>	2065.490	2065.490	2065.490	2065.490	2065.490
<b>5</b>	2003.642	2006.867	2010.090	2016.045	2022.000
<b>10</b>	1776.925	1790.041	1803.156	1806.995	1810.835
<b>15</b>	1285.895	1295.044	1304.194	1304.464	1304.735
<b>20</b>	781.480	779.802	778.125	778.950	779.775
<b>25</b>	492.311	486.486	480.661	482.926	485.191
<b>30</b>	318.686	311.610	304.533	304.464	304.396
<b>35</b>	178.133	173.185	168.236	165.605	162.974
<b>40</b>	69.862	66.000	62.138	61.178	60.216
<b>45</b>	13.714	12.565	11.415	11.135	10.855
<b>50</b>	3.440	3.816	4.191	4.522	4.853
<b>55</b>	2.346	2.570	2.793	3.544	4.295
<b>60</b>	2.385	2.495	2.606	2.524	2.441
<b>65</b>	2.991	3.364	3.737	3.283	2.829
<b>70</b>	2.567	2.543	2.519	2.329	2.138
<b>75</b>	1.113	1.184	1.254	1.020	0.786
<b>80</b>	0.889	0.970	1.052	0.893	0.734
<b>85</b>	0.607	0.835	1.063	1.005	0.946
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	540.17	N.A.	59.50
0-30	773.07	N.A.	85.20
0-40	882.25	N.A.	97.20
0-60	902.31	N.A.	99.40
0-80	906.66	N.A.	99.90
0-90	907.41	N.A.	100.00
10-90	722.38	N.A.	79.60
20-40	342.08	N.A.	37.70
20-50	359.28	N.A.	39.60
40-70	22.94	N.A.	2.50
60-80	4.35	N.A.	0.50
70-80	1.47	N.A.	0.20
80-90	0.75	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	907.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	185.03
10-20	355.14
20-30	232.90
30-40	109.18
40-50	17.20
50-60	2.86
60-70	2.88
70-80	1.47
80-90	0.75
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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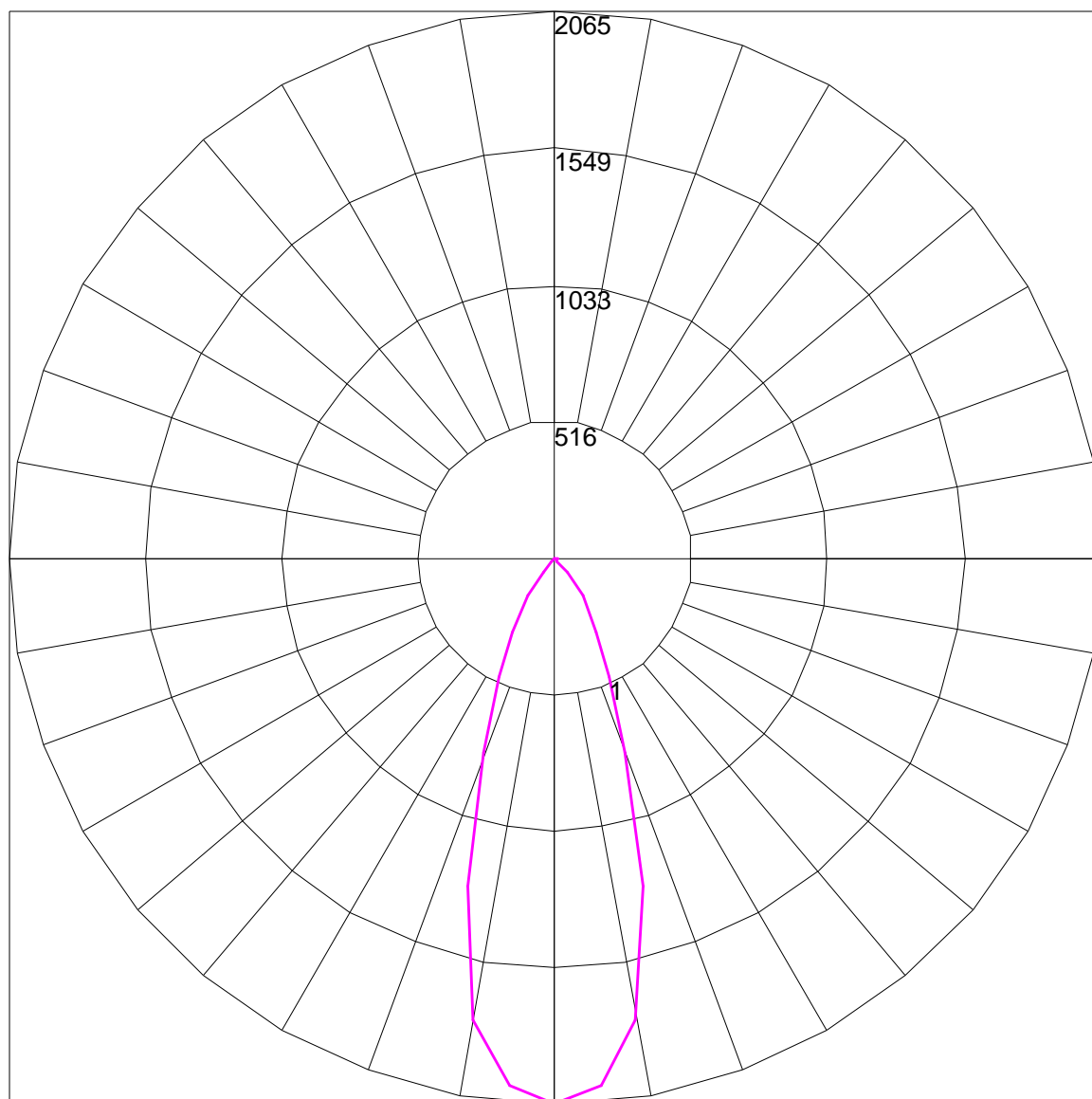
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	72	67	64	71	66	63	70	66	63	69	66	63	62

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POLAR GRAPH



Maximum Candela = 2065.49 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)