

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00544\_4 ~ SR2MRX-XT13LE1-XD2FXXK-XNMWSO.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00544\_4  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/20/2017  
 [UPDATE] 4/19/2017  
 [LUMCAT] SR2MRx-XT13L-E1-xD2F-xxK-XN-MW-SO  
 [LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Xtra Narrow Beam  
 [OTHER] Matte White Trim, Solite lens  
 [OTHER] 17.9 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	1183
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.34
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\_4 ~ SR2MRX-XT13LE1-XD2FXXK-XNMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	24495	23546	32049
55	10337	9518	12815
65	8272	6782	8720
75	2987	4190	3034
85	4904	2085	4025

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00544\_4 ~ SR2MRX-XT13LE1-XD2FXXK-XNMWSO.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>	5098.424	5098.424	5098.424	5098.424	5098.424
<b>5</b>	4111.597	4063.687	4071.461	4091.718	4129.771
<b>10</b>	2144.918	2057.417	2051.284	2180.088	2351.919
<b>15</b>	1045.129	999.255	1005.001	1057.564	1167.367
<b>20</b>	650.666	640.917	642.998	661.676	702.713
<b>25</b>	545.625	541.835	543.885	539.660	544.388
<b>30</b>	434.697	436.931	433.787	424.034	420.988
<b>35</b>	265.975	268.365	266.988	262.595	270.279
<b>40</b>	126.544	125.751	128.643	134.699	149.255
<b>45</b>	69.859	67.447	67.153	79.846	91.403
<b>50</b>	37.294	36.113	36.604	46.987	51.281
<b>55</b>	23.913	23.107	22.018	26.715	29.646
<b>60</b>	19.602	19.383	17.512	20.018	23.025
<b>65</b>	14.100	13.447	11.560	13.067	14.863
<b>70</b>	8.858	7.851	8.202	7.779	7.491
<b>75</b>	3.118	3.281	4.374	3.407	3.167
<b>80</b>	1.365	1.426	1.557	1.371	1.788
<b>85</b>	1.724	1.859	0.733	1.719	1.415
<b>90</b>	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00544\_4 ~ SR2MRX-XT13LE1-XD2FXXK-XNMWSO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	660.68	N.A.	55.80
0-30	909.51	N.A.	76.90
0-40	1078.62	N.A.	91.20
0-60	1164.36	N.A.	98.40
0-80	1182.03	N.A.	99.90
0-90	1183.23	N.A.	100.00
10-90	850.87	N.A.	71.90
20-40	417.94	N.A.	35.30
20-50	479.18	N.A.	40.50
40-70	99.04	N.A.	8.40
60-80	17.67	N.A.	1.50
70-80	4.37	N.A.	0.40
80-90	1.20	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	1183.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	332.36
10-20	328.32
20-30	248.83
30-40	169.11
40-50	61.24
50-60	24.49
60-70	13.30
70-80	4.37
80-90	1.20
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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00544\_4 ~ SR2MRX-XT13LE1-XD2FXXK-XNMWSO.IES

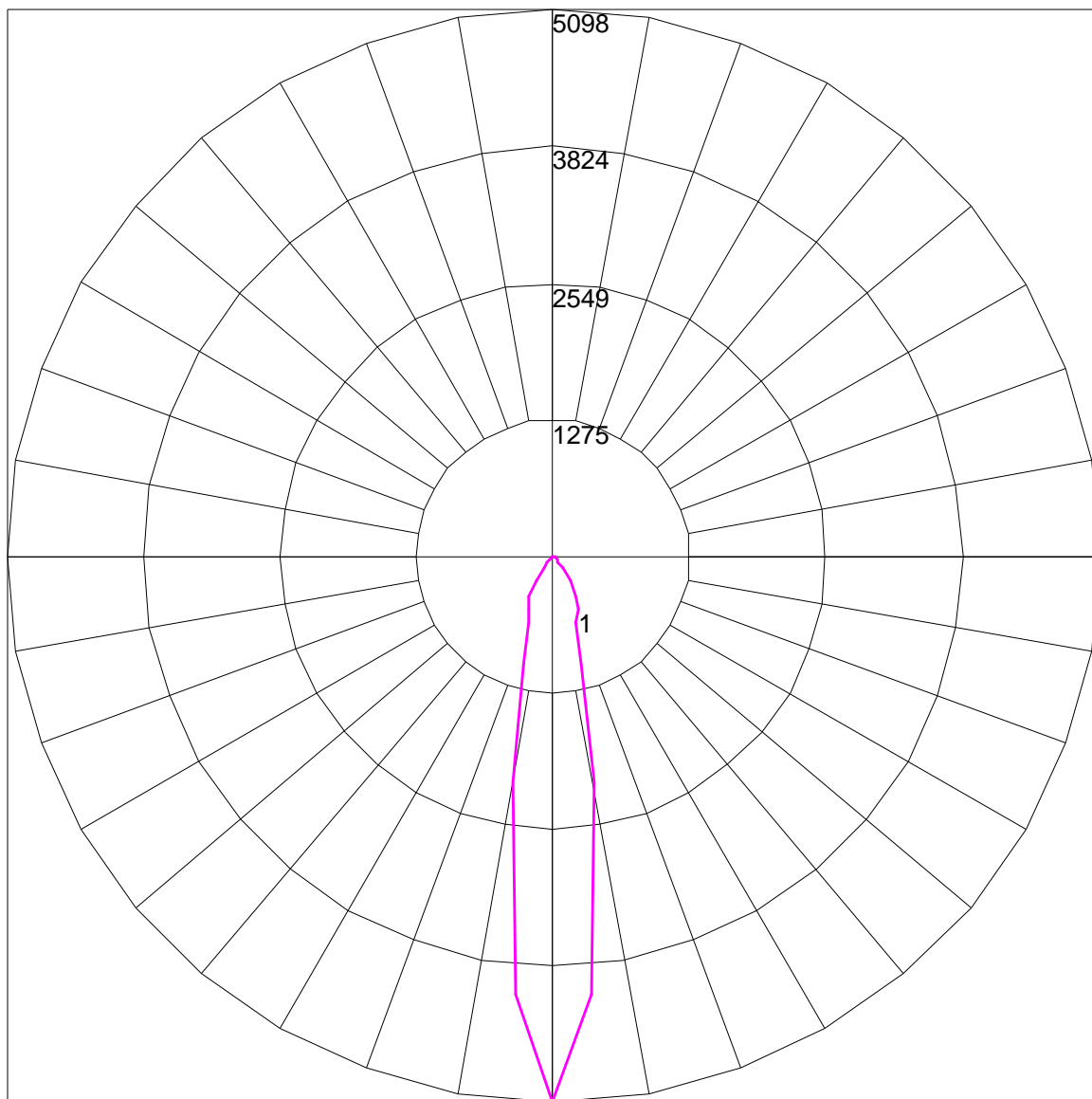
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	83	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	63
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	68	65	62	61

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP-00544\_4 ~ SR2MRX-XT13LE1-XD2FXXK-XNMWSO.IES

POLAR GRAPH



Maximum Candela = 5098.424 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)