

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00544\_5 ~ SR2MRX-XT10LE1-XD2FXXK-MDMWGL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00544\_5\_M-10L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/21/2017  
 [UPDATE] 4/19/2017  
 [LUMCAT] SR2MRx-XT10L-E1-xD2F-xxK-MD-MW-GL  
 [LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Medium Beam  
 [OTHER] Matte White Trim, clear glass lens  
 [OTHER] 35.7 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	834
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
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)	0.60
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\_5 ~ SR2MRX-XT10LE1-XD2FXXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14630	13858	15535
55	5530	5226	5734
65	3407	3090	3682
75	1623	1634	1789
85	2068	1727	2748

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00544\_5 ~ SR2MRX-XT10LE1-XD2FXXK-MDMWGL.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>	1764.752	1764.752	1764.752	1764.752	1764.752
<b>5</b>	1697.215	1695.338	1693.014	1688.496	1686.994
<b>10</b>	1456.800	1453.568	1458.951	1451.049	1453.019
<b>15</b>	1089.042	1084.112	1083.962	1086.300	1095.611
<b>20</b>	728.664	722.665	721.767	727.078	740.133
<b>25</b>	464.047	458.272	459.916	465.402	478.169
<b>30</b>	280.257	278.773	280.620	284.165	294.280
<b>35</b>	156.449	156.440	155.961	159.356	166.792
<b>40</b>	80.985	79.142	77.912	81.658	87.617
<b>45</b>	41.725	40.340	39.523	41.220	44.307
<b>50</b>	23.478	21.319	20.819	21.605	23.601
<b>55</b>	12.793	12.603	12.091	12.699	13.264
<b>60</b>	7.998	8.780	9.249	8.694	9.347
<b>65</b>	5.807	6.006	5.267	5.925	6.276
<b>70</b>	3.631	3.384	3.380	3.701	3.983
<b>75</b>	1.694	1.627	1.706	1.578	1.868
<b>80</b>	0.978	0.677	0.647	0.758	0.681
<b>85</b>	0.727	0.662	0.607	0.630	0.966
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	454.08	N.A.	54.40
0-30	673.36	N.A.	80.70
0-40	778.20	N.A.	93.30
0-60	825.89	N.A.	99.00
0-80	833.84	N.A.	99.90
0-90	834.41	N.A.	100.00
10-90	680.51	N.A.	81.60
20-40	324.12	N.A.	38.80
20-50	359.37	N.A.	43.10
40-70	53.63	N.A.	6.40
60-80	7.95	N.A.	1.00
70-80	2.01	N.A.	0.20
80-90	0.57	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	834.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	153.90
10-20	300.18
20-30	219.28
30-40	104.84
40-50	35.25
50-60	12.44
60-70	5.94
70-80	2.01
80-90	0.57
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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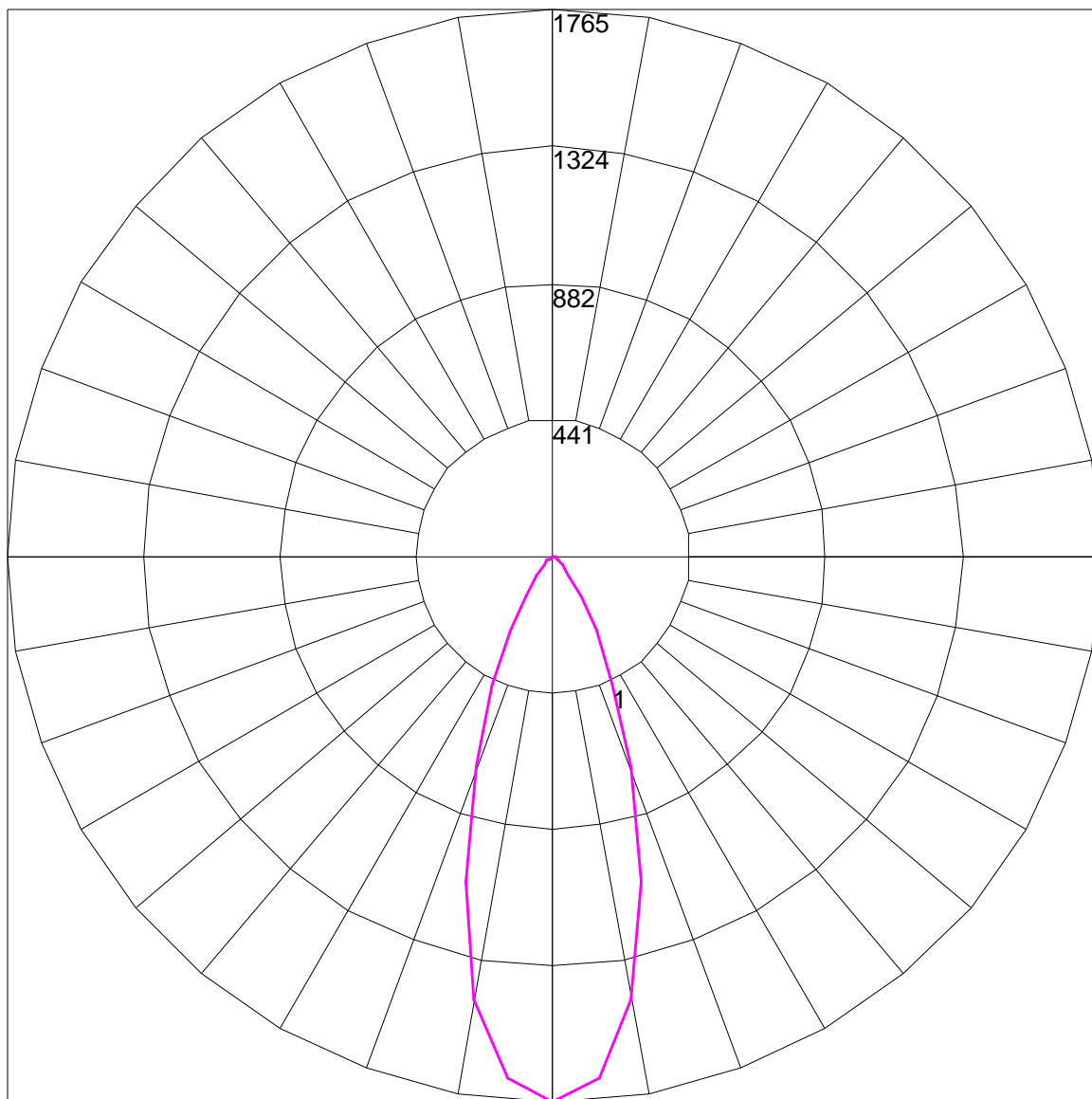
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	83	78	74	81	77	73	80	76	73	79	75	72	71
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	61
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	59

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POLAR GRAPH



Maximum Candela = 1764.752 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)