

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP\_00548\_7 ~ SR4MX-XT13LE1-RDD4X-XXK-MDMWGL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00548.7\_M-13L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 3/13/2017  
 [UPDATE] 4/19/2017  
 [LUMCAT] SR4MRx-XT13L-E1-RDD4x-xxK-MD-MW-GL  
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Medium Beam  
 [OTHER] Matte White Trim, clear glass lens  
 [OTHER] 27 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: SR4MO-XT-series  
 [OTHER] For New Construction IC Rated Housing: SR4MI-XT-series  
 [OTHER] For Remodel/Retrofit Housing: SR4MR-XT-Series  
 [OTHER] For RDD4F or RDD4N Downlight Trim  
 [OTHER] LEDXT lumen output is the same for all available CCT's  
 [OTHER] This report prepared by Spectrum Lighting, scaled from 40L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	928
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.36 ft (Diameter)
Luminous Width (90-270)	0.36 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_7 ~ SR4MX-XT13LE1-RDD4X-XXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1671	1625	1577
55	1570	1664	1526
65	502	491	602
75	401	399	489
85	523	719	744

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_7 ~ SR4MX-XT13LE1-RDD4X-XXK-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>	2615.060	2615.060	2615.060	2615.060	2615.060
<b>5</b>	2439.038	2456.054	2449.985	2475.244	2471.973
<b>10</b>	1839.373	1860.464	1843.884	1893.148	1894.927
<b>15</b>	1173.373	1194.465	1182.823	1228.236	1229.130
<b>20</b>	716.669	729.115	721.395	747.427	746.048
<b>25</b>	475.654	484.912	483.109	493.631	493.231
<b>30</b>	355.952	362.823	362.307	370.080	369.681
<b>35</b>	173.526	185.001	180.715	195.532	194.545
<b>40</b>	15.817	15.353	13.786	17.701	17.500
<b>45</b>	11.370	10.646	11.060	10.623	10.733
<b>50</b>	11.034	10.759	10.630	10.054	9.776
<b>55</b>	8.665	8.563	9.184	8.497	8.422
<b>60</b>	4.213	4.862	3.335	4.246	4.560
<b>65</b>	2.043	1.900	1.997	2.062	2.449
<b>70</b>	2.363	1.708	1.106	1.893	1.612
<b>75</b>	0.998	1.299	0.993	0.835	1.217
<b>80</b>	0.663	0.699	0.601	0.481	1.049
<b>85</b>	0.439	0.658	0.603	0.369	0.624
<b>90</b>	0.481	0.429	0.374	0.221	0.626

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_7 ~ SR4MX-XT13LE1-RDD4X-XXK-MDMWGL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	556.77	N.A.	60.00
0-30	792.30	N.A.	85.40
0-40	907.15	N.A.	97.80
0-60	923.55	N.A.	99.50
0-80	927.19	N.A.	99.90
0-90	927.77	N.A.	100.00
10-90	712.38	N.A.	76.80
20-40	350.38	N.A.	37.80
20-50	359.63	N.A.	38.80
40-70	18.87	N.A.	2.00
60-80	3.64	N.A.	0.40
70-80	1.17	N.A.	0.10
80-90	0.58	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	927.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	215.39
10-20	341.37
20-30	235.53
30-40	114.85
40-50	9.25
50-60	7.15
60-70	2.46
70-80	1.17
80-90	0.58
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\_00548\_7 ~ SR4MX-XT13LE1-RDD4X-XXK-MDMWGL.IES

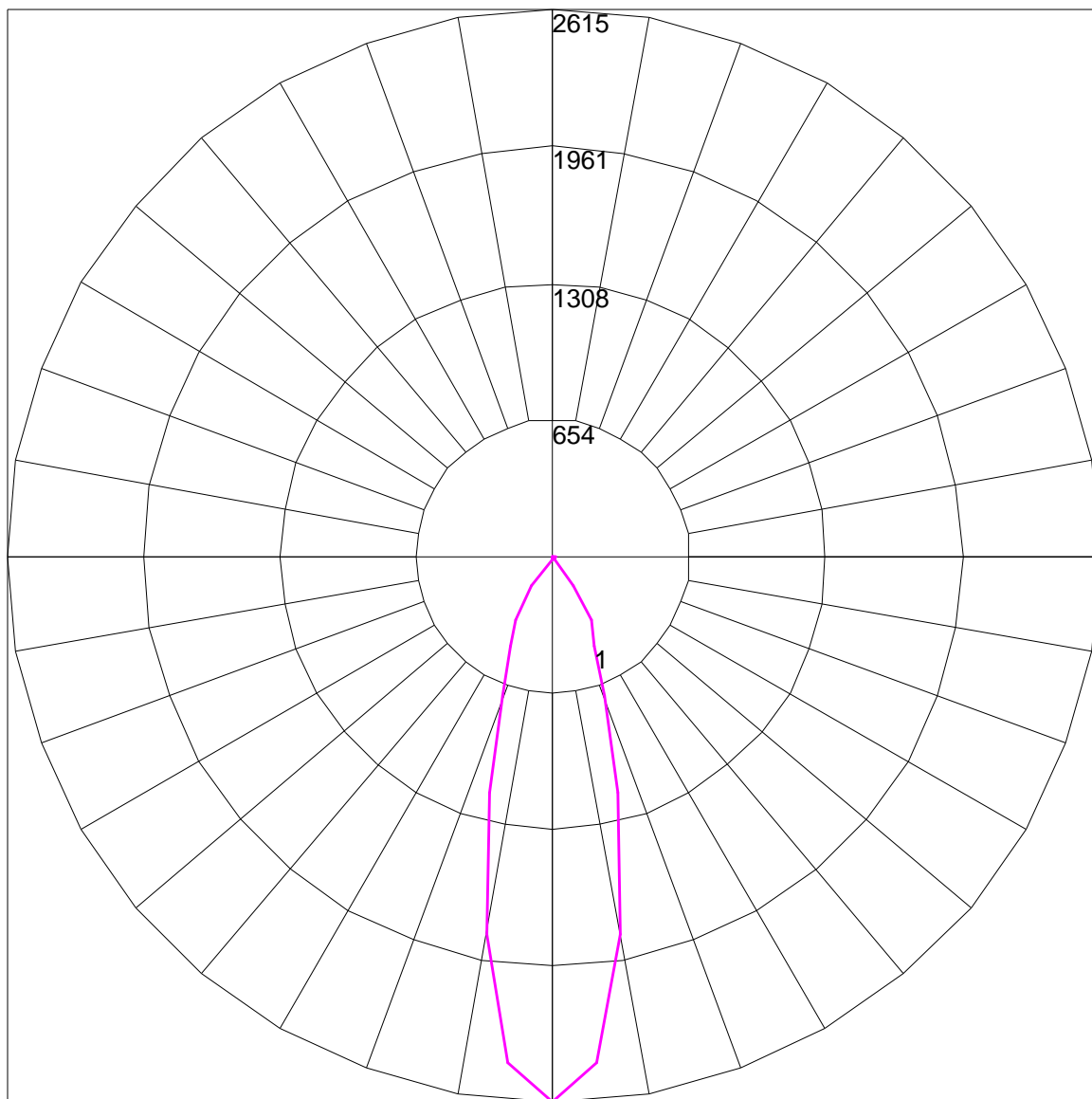
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	86
4	101	95	90	87	100	94	89	86	92	88	85	90	87	84	88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	75
7	90	82	77	74	89	82	77	74	81	76	73	79	76	73	78	75	73	71
8	87	79	74	71	86	78	74	70	77	73	70	76	73	70	76	72	70	68
9	84	76	71	68	83	75	71	67	74	70	67	74	70	67	73	69	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP\_00548\_7 ~ SR4MX-XT13LE1-RDD4X-XXK-MDMWGL.IES

POLAR GRAPH



Maximum Candela = 2615.06 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)