

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP\_00548\_8 ~ SR4MX-XT13LE1-RDD4X-XXK-MDMWSO.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00548.8\_M-13L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 3/13/2017  
 [UPDATE] 4/18/2017  
 [LUMCAT] SR4MRx-XT13L-E1-RDD4x-xxK-MD-MW-SO  
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Medium Beam  
 [OTHER] Matte White Trim, Solite lens  
 [OTHER] 29.5 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	904
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.52
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.56
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\_8 ~ SR4MX-XT13LE1-RDD4X-XXK-MDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3628	3437	3569
55	1917	2011	2044
65	1387	1418	1372
75	765	826	761
85	1010	681	645

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_8 ~ SR4MX-XT13LE1-RDD4X-XXK-MDMWSO.IES****CANDELA TABULATION**

	<b><u>0.0</u></b>	<b><u>22.5</u></b>	<b><u>45.0</u></b>	<b><u>67.5</u></b>	<b><u>90.0</u></b>
<b>0</b>	2191.131	2191.131	2191.131	2191.131	2191.131
<b>5</b>	2035.054	2061.401	2060.989	2086.050	2075.686
<b>10</b>	1605.031	1644.910	1640.259	1678.671	1660.106
<b>15</b>	1115.061	1149.309	1138.400	1179.346	1161.761
<b>20</b>	729.908	750.383	743.469	772.814	762.680
<b>25</b>	489.094	501.061	497.823	515.169	510.603
<b>30</b>	325.370	335.341	333.659	346.730	341.324
<b>35</b>	167.369	179.284	177.103	187.506	180.640
<b>40</b>	56.821	60.696	60.551	64.233	60.389
<b>45</b>	24.691	23.680	23.390	25.179	24.287
<b>50</b>	14.792	14.715	14.344	15.674	15.416
<b>55</b>	10.581	10.861	11.098	10.904	11.283
<b>60</b>	7.962	7.640	8.406	8.662	8.205
<b>65</b>	5.642	5.637	5.769	5.682	5.580
<b>70</b>	3.328	3.484	3.525	4.258	3.980
<b>75</b>	1.905	1.917	2.058	2.073	1.896
<b>80</b>	0.837	0.913	1.076	1.012	0.823
<b>85</b>	0.847	0.720	0.571	0.809	0.541
<b>90</b>	0.421	0.156	0.534	0.202	0.591

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Zone	Lumens	%Lamp	%Fixt
0-20	506.88	N.A.	56.10
0-30	745.08	N.A.	82.40
0-40	861.30	N.A.	95.30
0-60	895.05	N.A.	99.00
0-80	903.08	N.A.	99.90
0-90	903.82	N.A.	100.00
10-90	720.03	N.A.	79.70
20-40	354.42	N.A.	39.20
20-50	378.11	N.A.	41.80
40-70	39.50	N.A.	4.40
60-80	8.04	N.A.	0.90
70-80	2.28	N.A.	0.30
80-90	0.74	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	903.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	183.79
10-20	323.09
20-30	238.20
30-40	116.22
40-50	23.69
50-60	10.06
60-70	5.75
70-80	2.28
80-90	0.74
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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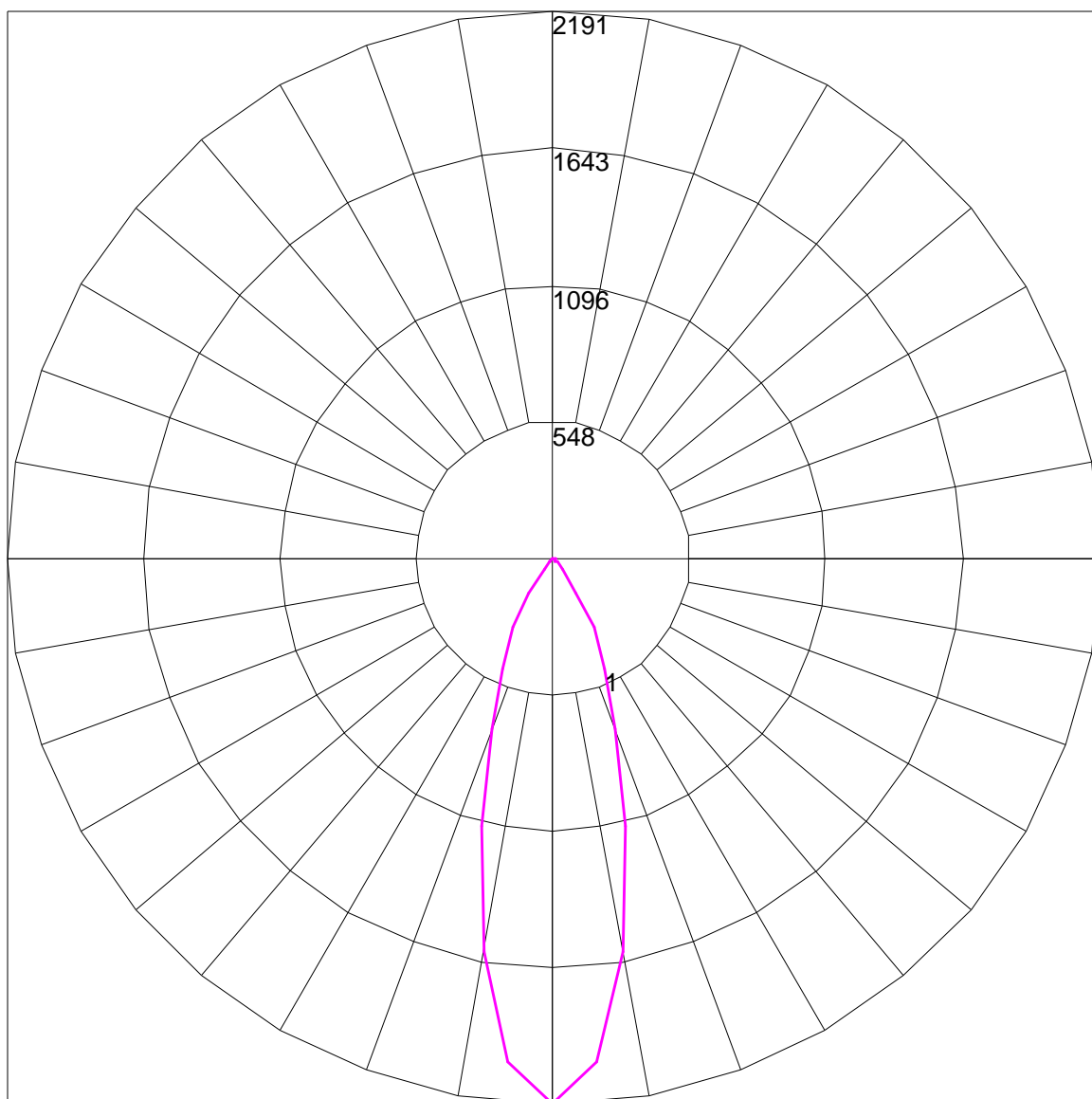
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	106	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	93	91	89
3	105	99	94	91	103	97	93	90	95	92	89	93	90	87	90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	79	74	71	77	73	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	69	64	62	68	64	61	60

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POLAR GRAPH



Maximum Candela = 2191.131 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)