

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP\_00548\_10 ~ SR4MX-XT13LE1-RDD4X-XXK-WDMWGL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00548.10\_M-13L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 3/13/2017  
 [UPDATE] 4/18/2017  
 [LUMCAT] SR4MRx-XT13L-E1-RDD4x-xxK-WD-MW-GL  
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Wide Beam  
 [OTHER] Matte White Trim, Glass Lens  
 [OTHER] 39.2 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	921
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.66
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\_10 ~ SR4MX-XT13LE1-RDD4X-XXK-WDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2273	2296	2264
55	1549	1406	1396
65	635	643	509
75	427	473	408
85	589	745	718

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	1722.732	1722.732	1722.732	1722.732	1722.732
<b>5</b>	1679.463	1685.992	1679.528	1683.420	1670.572
<b>10</b>	1508.873	1521.121	1509.406	1517.885	1499.299
<b>15</b>	1241.609	1257.001	1240.410	1259.326	1234.366
<b>20</b>	897.211	906.193	884.679	899.562	871.794
<b>25</b>	584.545	589.635	574.793	583.343	562.647
<b>30</b>	399.794	406.984	395.749	403.851	388.509
<b>35</b>	189.449	194.725	182.480	194.572	176.920
<b>40</b>	25.128	25.690	24.816	26.840	24.140
<b>45</b>	15.469	15.125	15.621	16.357	15.407
<b>50</b>	11.472	11.231	11.446	11.367	11.893
<b>55</b>	8.553	7.969	7.762	8.411	7.705
<b>60</b>	4.251	3.857	3.489	3.708	2.466
<b>65</b>	2.582	2.353	2.616	2.444	2.069
<b>70</b>	1.905	2.161	1.680	1.610	1.666
<b>75</b>	1.063	1.345	1.179	1.075	1.016
<b>80</b>	0.822	0.682	0.656	0.537	1.114
<b>85</b>	0.494	0.611	0.625	0.786	0.602
<b>90</b>	0.324	0.300	0.433	0.194	0.384

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Zone	Lumens	%Lamp	%Fixt
0-20	495.35	N.A.	53.80
0-30	774.04	N.A.	84.00
0-40	896.50	N.A.	97.30
0-60	916.53	N.A.	99.50
0-80	920.35	N.A.	99.90
0-90	920.98	N.A.	100.00
10-90	766.02	N.A.	83.20
20-40	401.16	N.A.	43.60
20-50	414.24	N.A.	45.00
40-70	22.56	N.A.	2.40
60-80	3.82	N.A.	0.40
70-80	1.28	N.A.	0.10
80-90	0.63	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	920.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	154.95
10-20	340.39
20-30	278.69
30-40	122.47
40-50	13.08
50-60	6.94
60-70	2.54
70-80	1.28
80-90	0.63
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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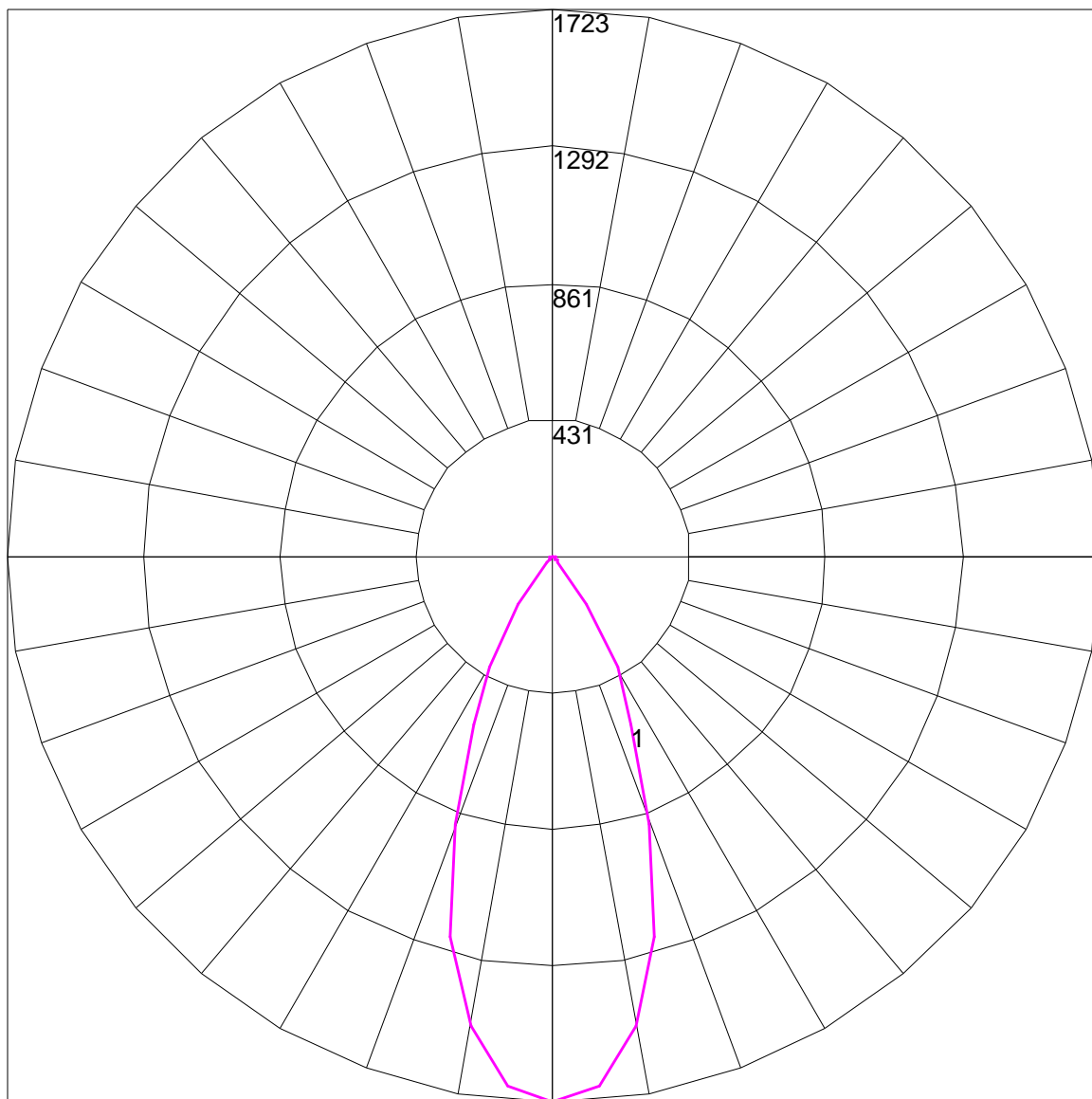
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	81	80
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	64	70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59

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POLAR GRAPH



Maximum Candela = 1722.732 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)