

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_5 ~ SR4MX-XT40LE1-RDD4X-XXK-NDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00548.5  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 3/13/2017  
[UPDATE] 4/18/2017  
[LUMCAT] SR4MRx-XT40L-E1-RDD4x-xxK-ND-MW-SO  
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Narrow Beam  
[OTHER] Matte White Trim, Solite lens  
[OTHER] 19.9 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: SR4MO-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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2675
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.36
Spacing Criterion (Diagonal)	0.38
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\_5 ~ SR4MX-XT40LE1-RDD4X-XXK-NDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7818	7144	8152
55	4058	4073	4430
65	2805	2460	2710
75	1668	1265	1525
85	2066	1893	2110

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_5 ~ SR4MX-XT40LE1-RDD4X-XXK-NDMWSO.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>	11669.490	11669.490	11669.490	11669.490	11669.490
<b>5</b>	10061.100	10198.380	9968.436	10052.000	9819.653
<b>10</b>	6133.475	6293.640	6037.261	6162.028	5845.640
<b>15</b>	3134.071	3133.028	3018.883	3158.241	3011.771
<b>20</b>	1704.633	1683.289	1645.574	1728.675	1683.906
<b>25</b>	1142.009	1124.694	1109.875	1150.823	1137.604
<b>30</b>	789.522	777.950	763.092	797.376	791.105
<b>35</b>	418.163	418.966	399.505	403.934	389.571
<b>40</b>	144.270	150.427	140.322	136.716	127.575
<b>45</b>	53.204	50.863	48.617	50.549	55.477
<b>50</b>	34.001	35.073	34.665	37.413	36.709
<b>55</b>	22.397	21.528	22.485	21.046	24.454
<b>60</b>	15.508	17.428	16.178	15.563	15.369
<b>65</b>	11.407	11.481	10.005	13.240	11.022
<b>70</b>	8.279	7.220	5.143	7.016	7.441
<b>75</b>	4.155	4.895	3.152	3.858	3.799
<b>80</b>	2.337	3.138	1.682	1.847	2.053
<b>85</b>	1.733	1.277	1.588	1.371	1.770
<b>90</b>	0.767	0.449	0.704	0.607	1.418

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_5 ~ SR4MX-XT40LE1-RDD4X-XXK-NDMWSO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1778.59	N.A.	66.50
0-30	2316.43	N.A.	86.60
0-40	2582.82	N.A.	96.60
0-60	2657.28	N.A.	99.30
0-80	2673.11	N.A.	99.90
0-90	2674.72	N.A.	100.00
10-90	1837.08	N.A.	68.70
20-40	804.22	N.A.	30.10
20-50	857.29	N.A.	32.10
40-70	85.82	N.A.	3.20
60-80	15.82	N.A.	0.60
70-80	4.47	N.A.	0.20
80-90	1.61	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	2674.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	837.64
10-20	940.96
20-30	537.84
30-40	266.38
40-50	53.06
50-60	21.40
60-70	11.35
70-80	4.47
80-90	1.61
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\_5 ~ SR4MX-XT40LE1-RDD4X-XXK-NDMWSO.IES

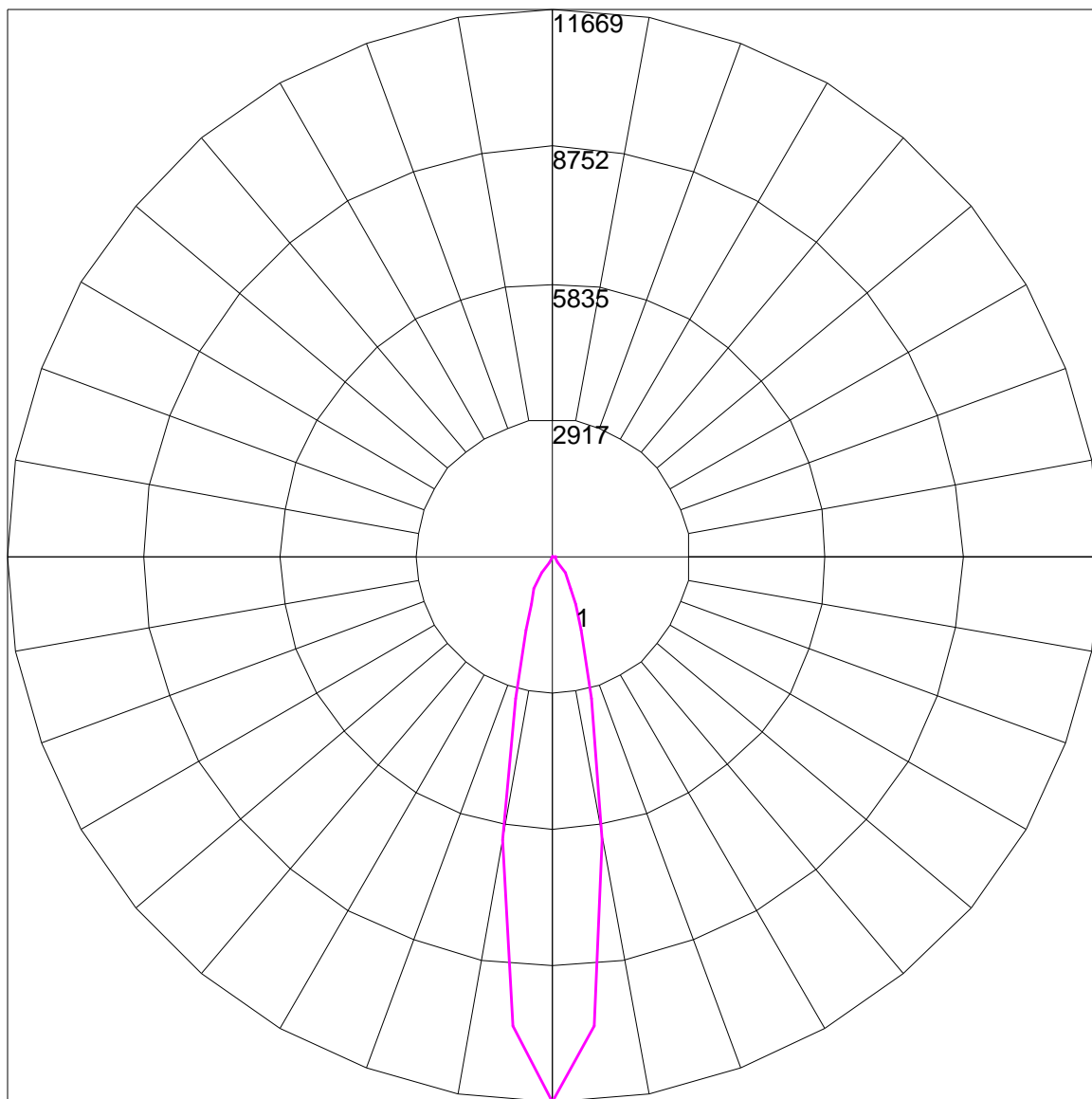
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	98	97	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	90	87	85	84
5	99	92	87	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	95	88	84	80	94	88	83	80	86	82	79	85	82	79	84	81	78	77
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74
8	89	82	77	74	88	81	77	74	80	76	74	79	76	73	79	75	73	72
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69
10	84	76	72	69	83	76	72	69	75	71	69	75	71	68	74	71	68	67

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP\_00548\_5 ~ SR4MX-XT40LE1-RDD4X-XXK-NDMWSO.IES

POLAR GRAPH



Maximum Candela = 11669.49 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)