

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_12 ~ SR4MX-XT40LE1-RDD4X-XXK-XWMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00548.13  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 3/13/2017  
[UPDATE] 5/4/2017  
[LUMCAT] SR4MRx-XT40L-E1-RDD4x-xxK-XW-MW-NL  
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Xtra Wide Beam  
[OTHER] Matte White Trim, No lens  
[OTHER] 61.6 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	2999
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.98
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	0.92
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\_12 ~ SR4MX-XT40LE1-RDD4X-XXK-XWMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7192	7431	8127
55	1164	860	1034
65	896	948	1105
75	1181	1084	1336
85	2287	2389	1840

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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>	3403.116	3403.116	3403.116	3403.116	3403.116
<b>5</b>	3350.245	3360.554	3360.690	3369.074	3371.890
<b>10</b>	3207.992	3224.637	3219.096	3221.584	3207.248
<b>15</b>	3023.951	3041.707	3032.973	3028.619	3007.054
<b>20</b>	2750.773	2772.313	2757.044	2758.179	2728.166
<b>25</b>	2402.977	2421.074	2405.933	2417.296	2391.513
<b>30</b>	1899.849	1942.074	1897.796	1945.010	1907.521
<b>35</b>	1042.882	1084.562	1046.238	1120.981	1086.438
<b>40</b>	219.525	237.273	231.387	250.303	241.949
<b>45</b>	48.943	54.194	50.569	59.314	55.303
<b>50</b>	14.037	14.424	13.068	16.237	16.455
<b>55</b>	6.426	5.595	4.747	6.460	5.705
<b>60</b>	4.913	5.300	4.303	4.900	5.221
<b>65</b>	3.645	3.576	3.856	4.647	4.496
<b>70</b>	2.950	3.853	2.987	3.243	3.503
<b>75</b>	2.941	2.845	2.701	2.919	3.328
<b>80</b>	2.163	2.106	2.262	2.435	2.466
<b>85</b>	1.918	2.309	2.004	1.544	1.543
<b>90</b>	1.052	1.021	0.775	0.683	1.375

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Zone	Lumens	%Lamp	%Fixt
0-20	1163.82	N.A.	38.80
0-30	2254.04	N.A.	75.20
0-40	2915.65	N.A.	97.20
0-60	2990.42	N.A.	99.70
0-80	2997.47	N.A.	99.90
0-90	2999.38	N.A.	100.00
10-90	2683.07	N.A.	89.50
20-40	1751.83	N.A.	58.40
20-50	1819.7	N.A.	60.70
40-70	78.81	N.A.	2.60
60-80	7.05	N.A.	0.20
70-80	3.01	N.A.	0.10
80-90	1.91	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	2999.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	316.31
10-20	847.51
20-30	1090.22
30-40	661.61
40-50	67.87
50-60	6.90
60-70	4.04
70-80	3.01
80-90	1.91
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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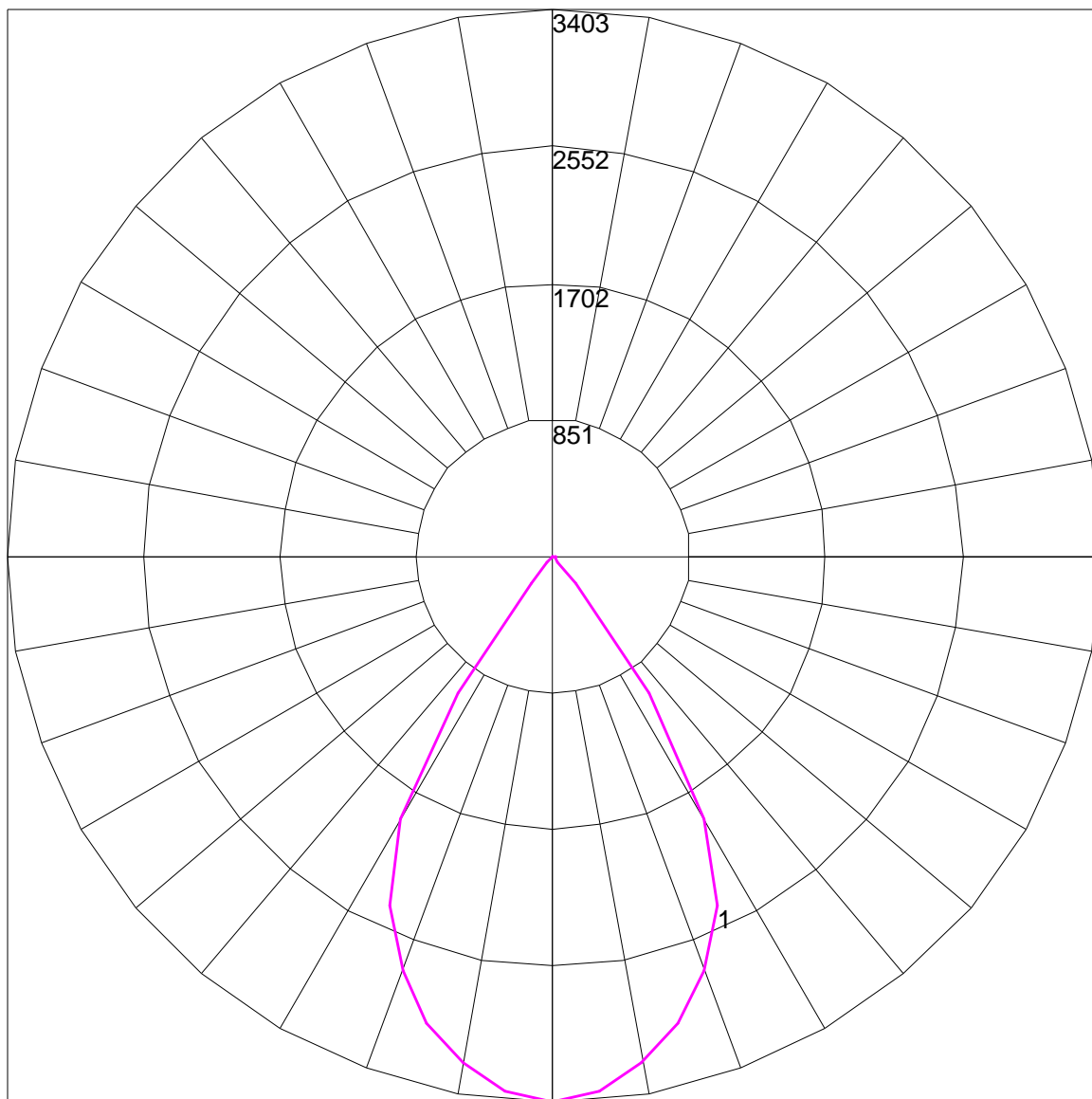
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	88	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	86	82	79	84	81	78	77
5	93	85	80	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	80	71	65	61	79	71	65	61	70	65	61	69	64	61	68	63	60	59
9	77	67	62	58	76	67	61	58	66	61	57	65	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52

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POLAR GRAPH



Maximum Candela = 3403.116 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)