

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_13 ~ SR4MX-XT40LE1-RDD4X-XXK-XWMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.13
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/13/2017
[UPDATE] 4/18/2017
[LUMCAT] SR4MRx-XT40L-E1-RDD4x-xxK-XW-MW-GL
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Xtra Wide Beam
[OTHER] Matte White Trim, Clear Glass 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	2800
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.00
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11215	10735	10834
55	2370	2882	2760
65	2321	2525	2430
75	1433	1949	1546
85	1979	1943	1865

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3095.554	3095.554	3095.554	3095.554	3095.554
5	3058.221	3066.699	3064.310	3073.957	3060.924
10	2941.390	2950.053	2945.535	2944.511	2923.209
15	2784.911	2799.344	2788.426	2781.035	2745.385
20	2563.504	2573.520	2558.565	2546.138	2500.896
25	2253.555	2261.113	2234.766	2234.209	2189.465
30	1788.938	1813.457	1766.899	1798.688	1739.432
35	963.212	983.221	939.934	995.747	917.882
40	249.617	258.191	230.792	251.304	235.525
45	76.318	79.648	73.053	80.749	73.723
50	28.476	31.122	29.719	31.082	28.355
55	13.083	16.074	15.907	14.761	15.236
60	9.720	10.262	10.073	9.936	11.625
65	9.438	9.563	10.269	9.252	9.884
70	9.145	8.122	8.143	8.803	8.470
75	3.570	3.244	4.855	3.811	3.851
80	2.870	1.954	2.457	2.105	2.652
85	1.660	2.067	1.630	2.176	1.564
90	1.273	1.079	1.157	0.689	1.368

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Zone	Lumens	%Lamp	%Fixt
0-20	1068.1	N.A.	38.10
0-30	2079.74	N.A.	74.30
0-40	2686.77	N.A.	95.90
0-60	2783.94	N.A.	99.40
0-80	2798.28	N.A.	99.90
0-90	2800.22	N.A.	100.00
10-90	2511.59	N.A.	89.70
20-40	1618.67	N.A.	57.80
20-50	1700.11	N.A.	60.70
40-70	106.61	N.A.	3.80
60-80	14.34	N.A.	0.50
70-80	4.90	N.A.	0.20
80-90	1.94	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	2800.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	288.63
10-20	779.47
20-30	1011.64
30-40	607.03
40-50	81.44
50-60	15.74
60-70	9.44
70-80	4.90
80-90	1.94
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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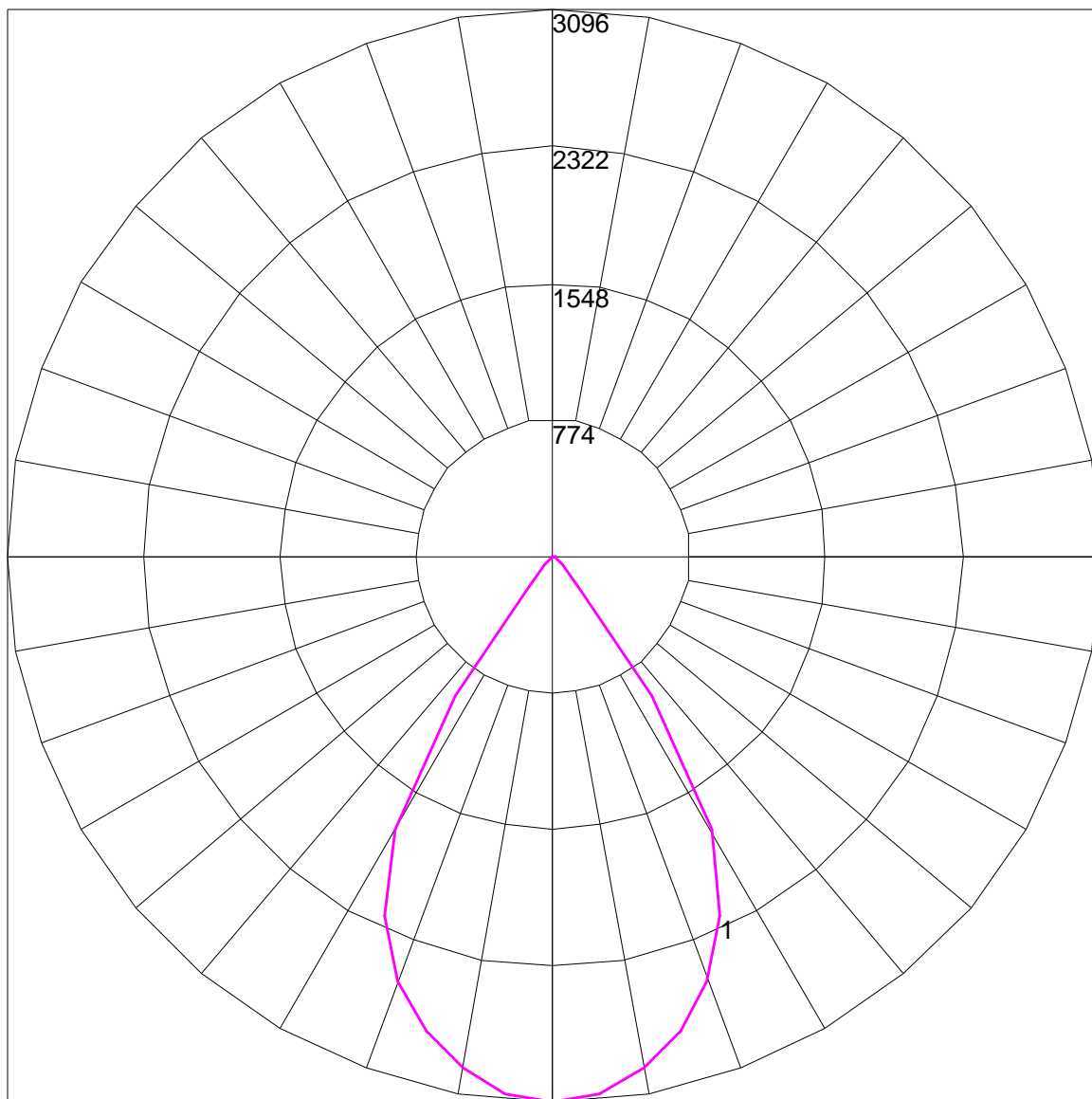
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	78	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	73	71
6	88	80	74	70	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	64	61	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	57	54	72	63	57	54	62	57	53	61	57	53	60	56	53	52

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POLAR GRAPH



Maximum Candela = 3095.554 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)