

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_14 ~ SR4MX-XT40LE1-RDD4X-XXK-XWMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.14
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 3/13/2017
[UPDATE] 4/18/2017
[LUMCAT] SR4MRx-XT40L-E1-RDD4x-xxK-XW-MW-SO
[LUMINAIRE] Nom. 4" Round Downlight, Deep Profile, Xtra Wide Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 59.1 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	2730
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.92
Spacing Criterion (90-270)	0.94
Spacing Criterion (Diagonal)	0.88
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	18897	21618	21063
55	7533	8043	7867
65	5001	4554	4809
75	2483	2612	2395
85	2481	1973	2516

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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	3107.740	3107.740	3107.740	3107.740	3107.740
5	3037.712	3041.127	3050.036	3061.035	3059.718
10	2893.638	2916.693	2927.738	2944.219	2945.959
15	2699.123	2733.657	2746.936	2769.440	2765.313
20	2422.487	2470.237	2480.535	2509.068	2488.492
25	2017.497	2078.005	2076.151	2112.290	2081.354
30	1441.106	1509.186	1502.681	1533.208	1490.770
35	767.372	822.674	818.536	850.211	814.811
40	304.596	337.336	343.792	372.213	350.210
45	128.590	143.837	147.111	155.130	143.330
50	65.197	71.356	72.856	75.351	70.652
55	41.579	44.089	44.395	46.406	43.423
60	27.504	29.647	30.125	31.189	28.376
65	20.339	21.153	18.522	21.975	19.558
70	12.159	13.114	13.984	13.219	12.203
75	6.184	6.290	6.506	6.810	5.966
80	3.150	3.787	2.729	3.058	3.802
85	2.081	2.544	1.655	2.015	2.110
90	1.455	1.154	1.264	0.843	1.581

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Zone	Lumens	%Lamp	%Fixt
0-20	1054.51	N.A.	38.60
0-30	1985.81	N.A.	72.70
0-40	2522.45	N.A.	92.40
0-60	2699.62	N.A.	98.90
0-80	2727.99	N.A.	99.90
0-90	2730.34	N.A.	100.00
10-90	2442.9	N.A.	89.50
20-40	1467.94	N.A.	53.80
20-50	1602.72	N.A.	58.70
40-70	197.85	N.A.	7.20
60-80	28.37	N.A.	1.00
70-80	7.70	N.A.	0.30
80-90	2.35	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	2730.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	287.44
10-20	767.06
20-30	931.30
30-40	536.64
40-50	134.78
50-60	42.39
60-70	20.67
70-80	7.70
80-90	2.35
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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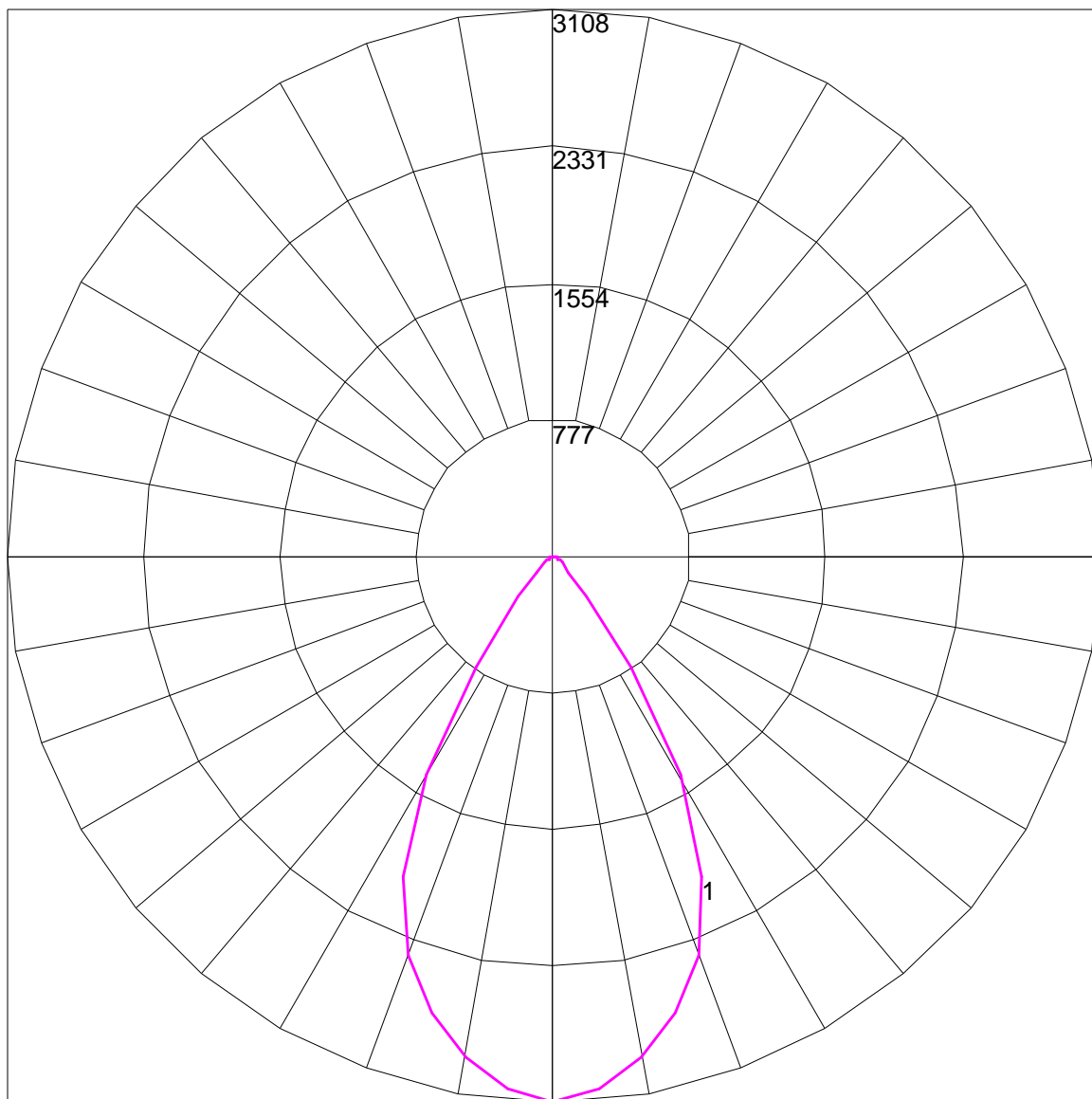
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	98	94	98	95	92	95	93	90	92	90	88	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	66
7	83	74	68	64	82	74	68	64	72	67	63	71	67	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	60	56	53	60	55	52	51

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POLAR GRAPH



Maximum Candela = 3107.74 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)