

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_7 ~ SR4MX-XT40LE1-RDD4X-XXK-MDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.7
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/13/2017
[UPDATE] 4/268/2017
[LUMCAT] SR4MRx-XT40L-E1-RDD4x-xxK-MD-MW-GL
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, clear glass lens
[OTHER] 27 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	2747
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.50
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	4948	4813	4670
55	4649	4927	4518
65	1488	1454	1783
75	1187	1181	1447
85	1550	2128	2202

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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	7743.737	7743.737	7743.737	7743.737	7743.737
5	7222.500	7272.887	7254.915	7329.713	7320.027
10	5446.767	5509.220	5460.125	5606.006	5611.273
15	3474.601	3537.058	3502.584	3637.061	3639.710
20	2122.205	2159.062	2136.202	2213.286	2209.202
25	1408.511	1435.925	1430.585	1461.744	1460.561
30	1054.047	1074.395	1072.867	1095.884	1094.702
35	513.846	547.826	535.134	579.010	576.089
40	46.837	45.462	40.824	52.416	51.820
45	33.668	31.524	32.750	31.456	31.782
50	32.673	31.860	31.477	29.772	28.948
55	25.660	25.357	27.195	25.162	24.938
60	12.476	14.398	9.875	12.572	13.504
65	6.051	5.627	5.915	6.107	7.253
70	6.997	5.057	3.274	5.607	4.772
75	2.956	3.848	2.941	2.474	3.604
80	1.964	2.070	1.781	1.423	3.107
85	1.300	1.949	1.785	1.092	1.847
90	1.424	1.271	1.108	0.654	1.853

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Zone	Lumens	%Lamp	%Fixt
0-20	1648.7	N.A.	60.00
0-30	2346.16	N.A.	85.40
0-40	2686.25	N.A.	97.80
0-60	2734.82	N.A.	99.50
0-80	2745.59	N.A.	99.90
0-90	2747.32	N.A.	100.00
10-90	2109.49	N.A.	76.80
20-40	1037.55	N.A.	37.80
20-50	1064.95	N.A.	38.80
40-70	55.87	N.A.	2.00
60-80	10.78	N.A.	0.40
70-80	3.48	N.A.	0.10
80-90	1.72	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	2747.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	637.82
10-20	1010.88
20-30	697.46
30-40	340.09
40-50	27.40
50-60	21.17
60-70	7.30
70-80	3.48
80-90	1.72
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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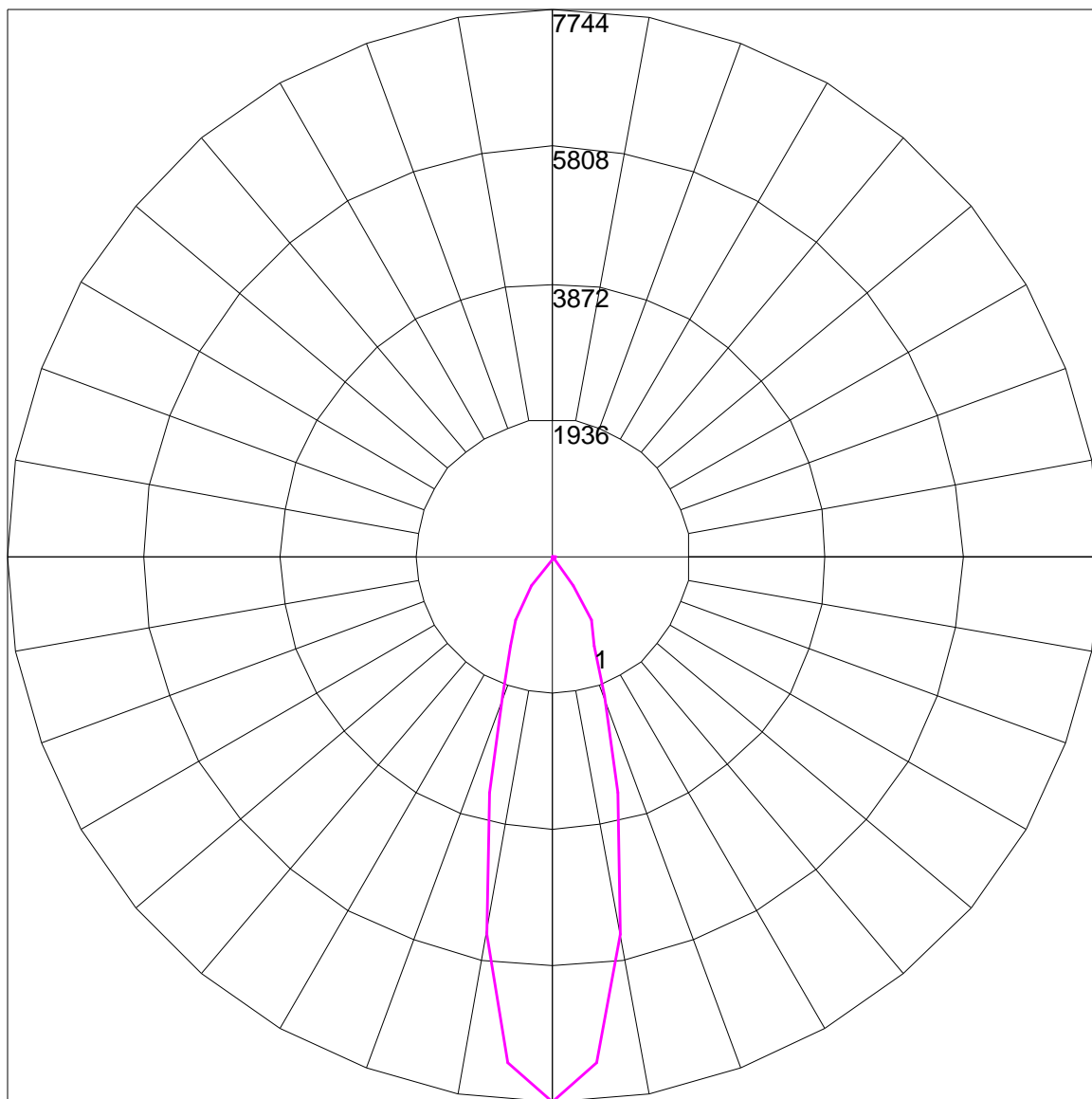
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	92	89	87	86
4	101	95	90	87	100	94	89	86	92	88	85	90	87	84	88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	75
7	90	82	77	74	89	82	77	74	81	76	73	79	76	73	78	75	73	71
8	87	79	74	71	86	78	74	70	77	73	70	76	73	70	76	72	70	68
9	84	76	71	68	83	75	71	67	74	70	67	74	70	67	73	69	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

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POLAR GRAPH



Maximum Candela = 7743.737 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)