

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_10 ~ SR4MX-XT40LE1-RDD4X-XXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.10
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/13/2017
[UPDATE] 4/13/2017
[LUMCAT] SR4MRx-XT40L-E1-RDD4x-xxK-WD-MW-GL
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Wide Beam
[OTHER] Matte White Trim, Clear Glass lens
[OTHER] 39.2 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	2727
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)	0.68
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.66
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	6732	6798	6705
55	4588	4164	4133
65	1880	1905	1506
75	1264	1402	1208
85	1745	2208	2125

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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	5101.367	5101.367	5101.367	5101.367	5101.367
5	4973.240	4992.572	4973.431	4984.958	4946.910
10	4468.087	4504.355	4469.665	4494.772	4439.735
15	3676.663	3722.242	3673.113	3729.127	3655.214
20	2656.828	2683.426	2619.720	2663.789	2581.564
25	1730.959	1746.033	1702.081	1727.400	1666.116
30	1183.874	1205.165	1171.896	1195.887	1150.457
35	560.997	576.620	540.362	576.167	523.897
40	74.410	76.072	73.484	79.480	71.483
45	45.808	44.788	46.257	48.436	45.624
50	33.971	33.257	33.893	33.661	35.218
55	25.327	23.599	22.984	24.908	22.816
60	12.589	11.421	10.331	10.981	7.302
65	7.646	6.969	7.746	7.237	6.126
70	5.640	6.400	4.974	4.769	4.932
75	3.149	3.984	3.491	3.182	3.009
80	2.433	2.021	1.943	1.590	3.300
85	1.464	1.809	1.852	2.327	1.782
90	0.959	0.889	1.282	0.575	1.136

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Zone	Lumens	%Lamp	%Fixt
0-20	1466.83	N.A.	53.80
0-30	2292.09	N.A.	84.00
0-40	2654.73	N.A.	97.30
0-60	2714.03	N.A.	99.50
0-80	2725.33	N.A.	99.90
0-90	2727.2	N.A.	100.00
10-90	2268.35	N.A.	83.20
20-40	1187.91	N.A.	43.60
20-50	1226.65	N.A.	45.00
40-70	66.82	N.A.	2.50
60-80	11.31	N.A.	0.40
70-80	3.78	N.A.	0.10
80-90	1.87	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	2727.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	458.85
10-20	1007.98
20-30	825.26
30-40	362.65
40-50	38.75
50-60	20.54
60-70	7.53
70-80	3.78
80-90	1.87
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

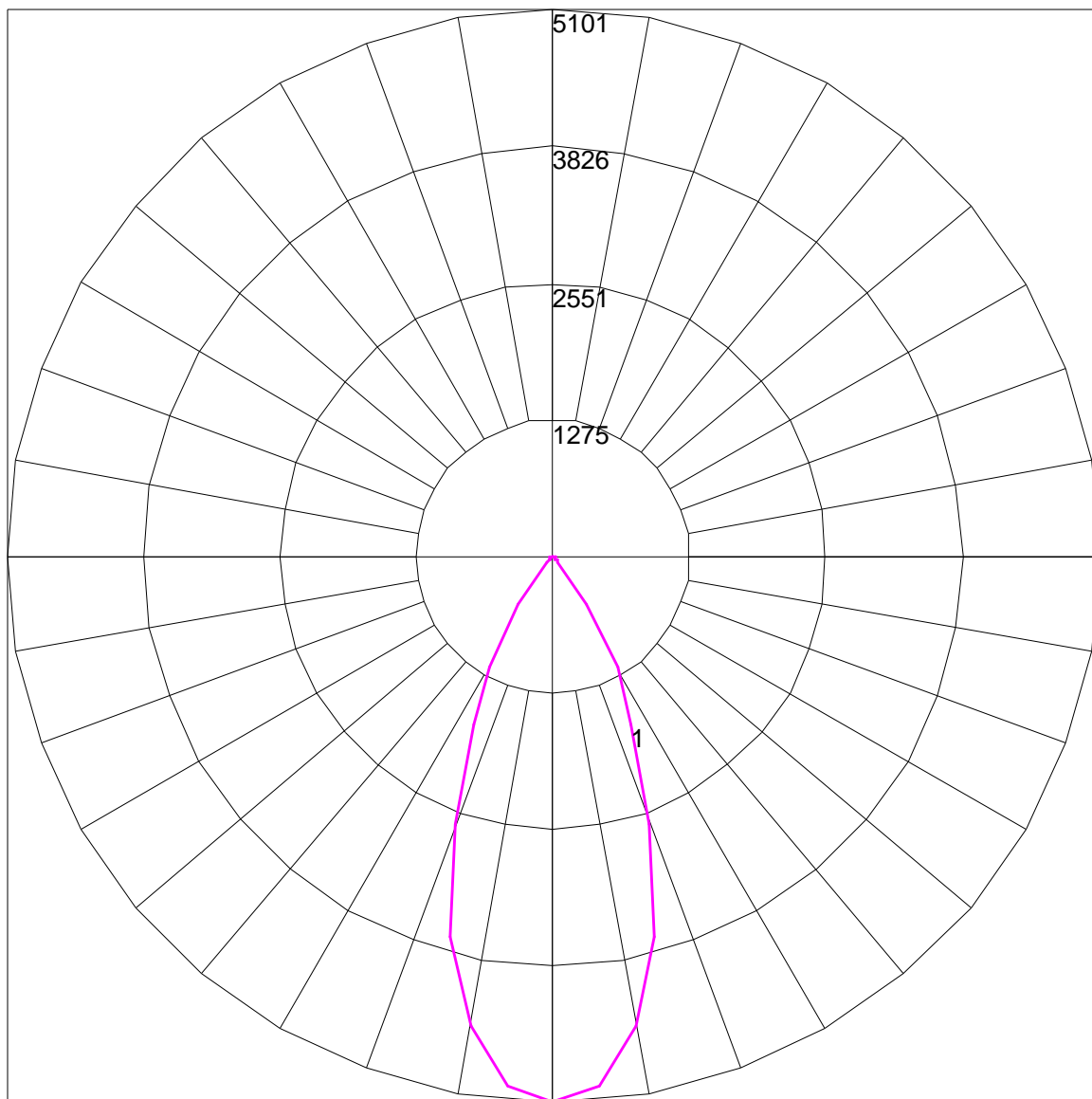
Effective Floor Cavity Reflectance 0.20

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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	92	89	93	90	87	90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	80
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59

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POLAR GRAPH



Maximum Candela = 5101.367 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)