

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_6 ~ SR4MX-XT40LE1-RDD4X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.6
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/13/2017
[UPDATE] 4/18/2017
[LUMCAT] SR4MRx-XT40L-E1-RDD4x-xxK-MD-MW-NL
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, no lens
[OTHER] 26.9 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	2965
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.46
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	1012	697	838
55	1062	529	1030
65	1023	896	744
75	856	1052	558
85	1515	3280	1673

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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	8636.982	8636.982	8636.982	8636.982	8636.982
5	8065.915	8123.091	7990.718	8024.101	7924.039
10	6097.757	6199.166	5996.465	6053.427	5888.451
15	3909.026	4000.878	3824.384	3880.891	3726.162
20	2367.888	2412.559	2318.303	2351.637	2259.716
25	1591.226	1604.216	1561.780	1580.430	1530.645
30	1201.634	1207.002	1184.261	1188.722	1157.464
35	658.750	676.018	604.695	615.478	552.090
40	42.150	46.440	26.714	26.176	11.134
45	6.886	5.429	4.745	6.325	5.705
50	3.325	4.970	4.534	5.485	4.439
55	5.863	2.966	2.921	4.493	5.688
60	3.878	4.316	3.713	3.260	3.637
65	4.162	4.206	3.644	2.986	3.026
70	2.727	3.541	3.238	1.883	2.879
75	2.131	2.099	2.620	1.974	1.390
80	1.963	0.925	1.181	1.412	1.762
85	1.271	1.572	2.751	0.805	1.403
90	0.937	0.929	1.196	0.485	1.695

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Zone	Lumens	%Lamp	%Fixt
0-20	1806.63	N.A.	60.90
0-30	2568.52	N.A.	86.60
0-40	2945.43	N.A.	99.30
0-60	2958.12	N.A.	99.80
0-80	2963.78	N.A.	99.90
0-90	2965.3	N.A.	100.00
10-90	2261.83	N.A.	76.30
20-40	1138.8	N.A.	38.40
20-50	1147.79	N.A.	38.70
40-70	16.13	N.A.	0.50
60-80	5.66	N.A.	0.20
70-80	2.23	N.A.	0.10
80-90	1.52	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	2965.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	703.47
10-20	1103.16
20-30	761.89
30-40	376.91
40-50	8.99
50-60	3.71
60-70	3.43
70-80	2.23
80-90	1.52
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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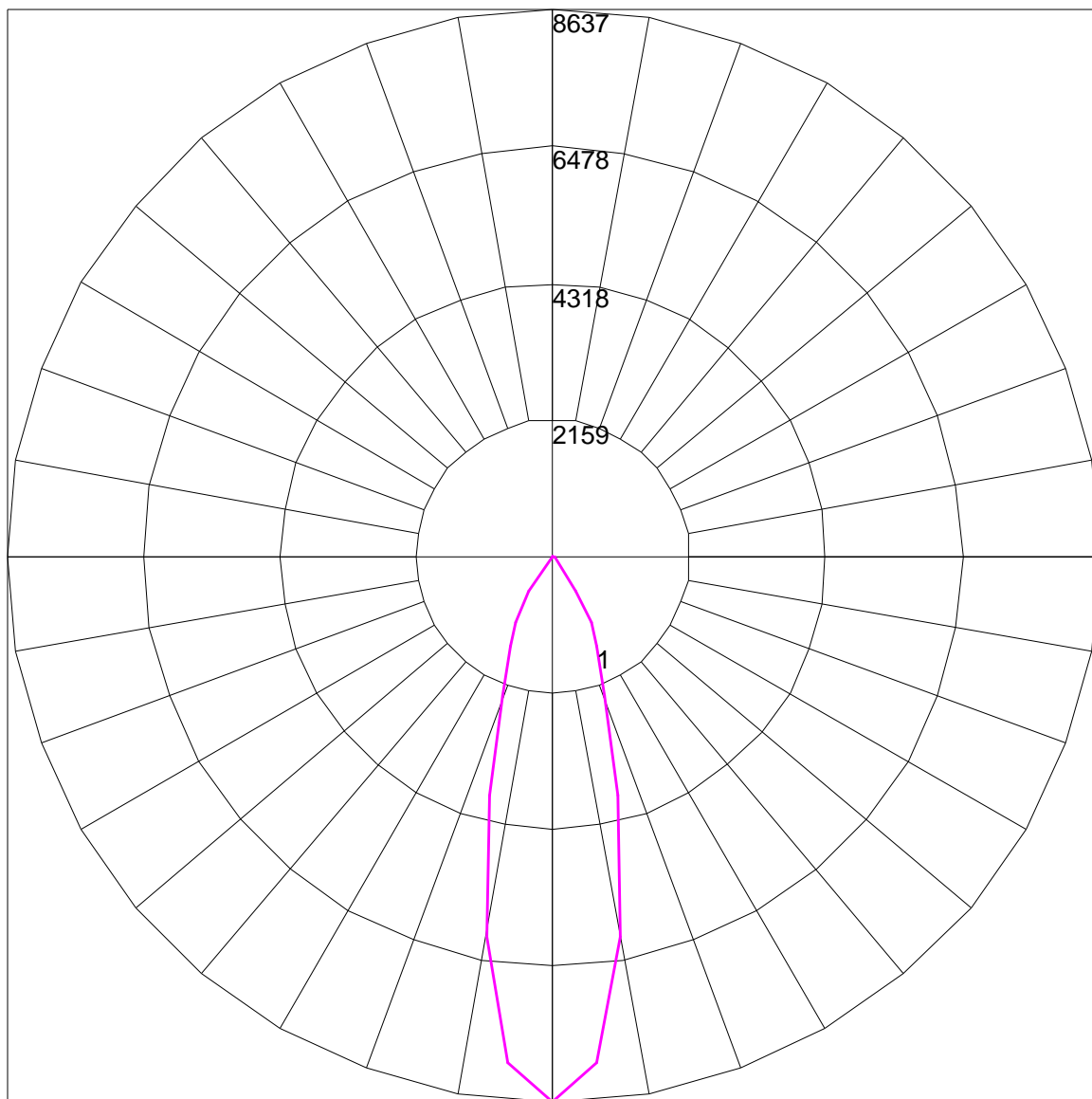
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 8636.982 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)