

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_9 ~ SR4MX-XT40LE1-RDD4X-XXK-WDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.9
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/13/2017
[UPDATE] 4/18/2017
[LUMCAT] SR4MRx-XT40L-E1-RDD4x-xxK-WD-MW-NL
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Wide Beam
[OTHER] Matte White Trim, No lens
[OTHER] 39.4 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	2966
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)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.68
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	969	949	784
55	881	1095	943
65	1126	1086	837
75	1069	721	1325
85	1816	2179	1672

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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	5530.983	5530.983	5530.983	5530.983	5530.983
5	5398.736	5433.253	5411.591	5432.900	5393.504
10	4856.588	4912.239	4884.890	4920.139	4870.452
15	3978.135	4035.528	3993.926	4060.927	4010.338
20	2865.900	2919.258	2866.021	2942.296	2879.587
25	1884.420	1926.662	1892.804	1937.448	1894.517
30	1274.291	1306.628	1286.583	1316.114	1290.663
35	702.642	735.209	707.438	734.099	684.356
40	48.814	75.116	54.296	79.514	47.706
45	6.595	6.284	6.455	6.830	5.332
50	5.160	5.236	5.391	5.101	5.821
55	4.862	5.018	6.045	5.577	5.203
60	5.270	4.924	4.095	3.528	4.156
65	4.579	3.743	4.416	3.604	3.405
70	2.878	3.067	3.396	3.577	3.303
75	2.663	1.989	1.796	2.728	3.300
80	2.173	1.528	2.202	2.529	1.864
85	1.523	1.933	1.828	2.345	1.402
90	1.308	0.894	1.259	1.238	1.605

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Zone	Lumens	%Lamp	%Fixt
0-20	1599.17	N.A.	53.90
0-30	2510.00	N.A.	84.60
0-40	2937.24	N.A.	99.00
0-60	2957.27	N.A.	99.70
0-80	2963.77	N.A.	99.90
0-90	2965.7	N.A.	100.00
10-90	2465.85	N.A.	83.10
20-40	1338.07	N.A.	45.10
20-50	1353.52	N.A.	45.60
40-70	23.86	N.A.	0.80
60-80	6.50	N.A.	0.20
70-80	2.67	N.A.	0.10
80-90	1.93	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	2965.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	499.85
10-20	1099.32
20-30	910.83
30-40	427.25
40-50	15.45
50-60	4.58
60-70	3.84
70-80	2.67
80-90	1.93
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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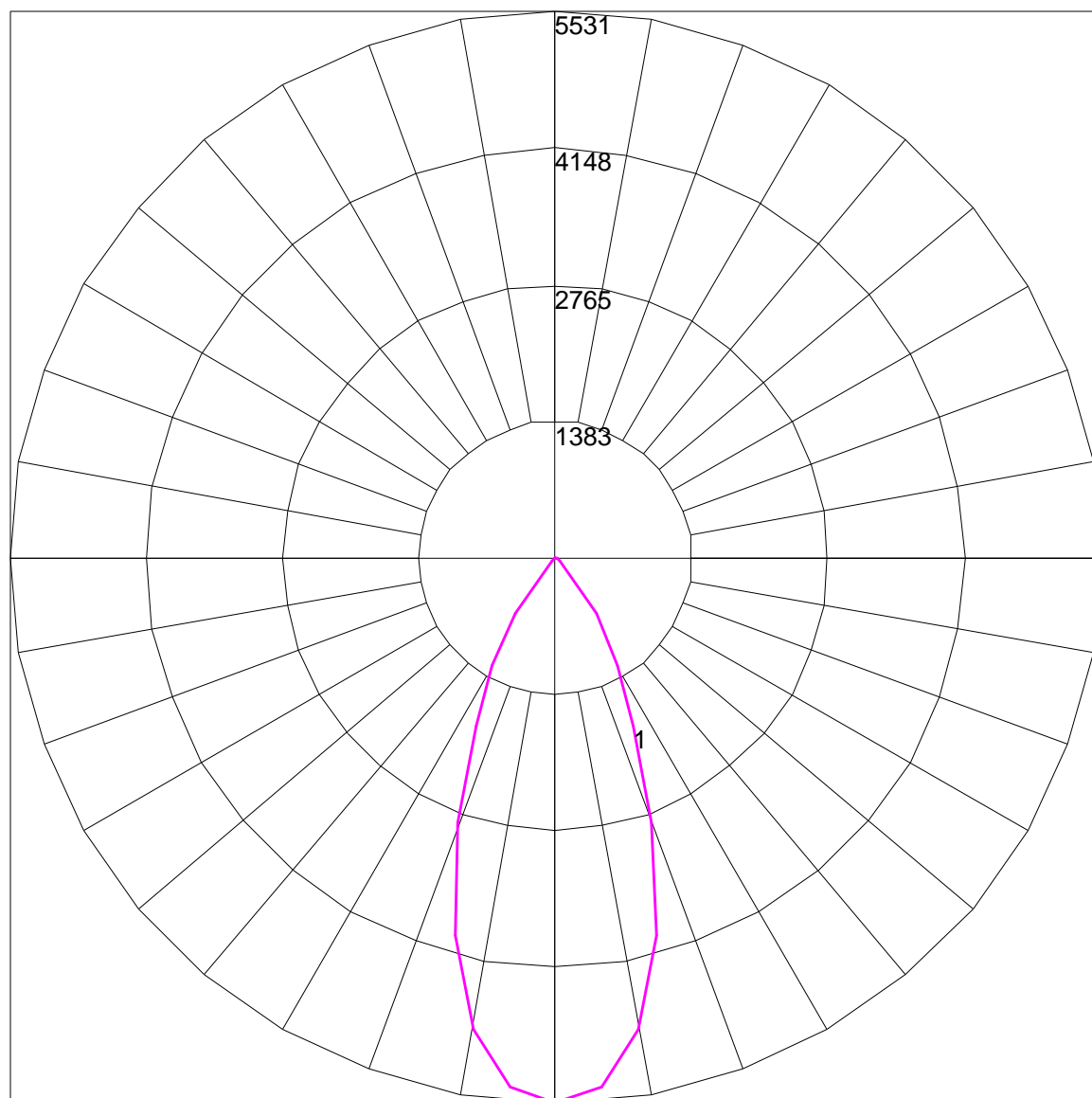
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	64	72	67	64	71	67	64	70	67	64	63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60

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POLAR GRAPH



Maximum Candela = 5530.983 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)