

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_9 ~ SR4MX-XT10LE1-RDD4X-XXK-WDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.9_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT10L-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 New Construction IC Rated Housing: SR4MI-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, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	743
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	11.1
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	243	238	196
55	221	274	236
65	282	272	210
75	268	181	332
85	455	546	418

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_9 ~ SR4MX-XT10LE1-RDD4X-XXK-WDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1386.064	1386.064	1386.064	1386.064	1386.064
5	1352.923	1361.573	1356.145	1361.485	1351.612
10	1217.061	1231.007	1224.153	1232.987	1220.535
15	996.921	1011.303	1000.878	1017.668	1004.991
20	718.195	731.566	718.225	737.339	721.625
25	472.236	482.822	474.337	485.524	474.766
30	319.337	327.441	322.418	329.818	323.440
35	176.082	184.243	177.284	183.965	171.500
40	12.233	18.824	13.607	19.926	11.955
45	1.653	1.575	1.618	1.712	1.336
50	1.293	1.312	1.351	1.278	1.459
55	1.218	1.258	1.515	1.398	1.304
60	1.321	1.234	1.026	0.884	1.041
65	1.147	0.938	1.107	0.903	0.853
70	0.721	0.769	0.851	0.896	0.828
75	0.667	0.498	0.450	0.684	0.827
80	0.545	0.383	0.552	0.634	0.467
85	0.382	0.484	0.458	0.588	0.351
90	0.328	0.224	0.316	0.310	0.402

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Zone	Lumens	%Lamp	%Fixt
0-20	400.75	N.A.	53.90
0-30	629.00	N.A.	84.60
0-40	736.07	N.A.	99.00
0-60	741.09	N.A.	99.70
0-80	742.72	N.A.	99.90
0-90	743.20	N.A.	100.00
10-90	617.94	N.A.	83.10
20-40	335.32	N.A.	45.10
20-50	339.19	N.A.	45.60
40-70	5.98	N.A.	0.80
60-80	1.63	N.A.	0.20
70-80	0.67	N.A.	0.10
80-90	0.48	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	743.20	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.26
10-20	275.49
20-30	228.25
30-40	107.07
40-50	3.87
50-60	1.15
60-70	0.96
70-80	0.67
80-90	0.48
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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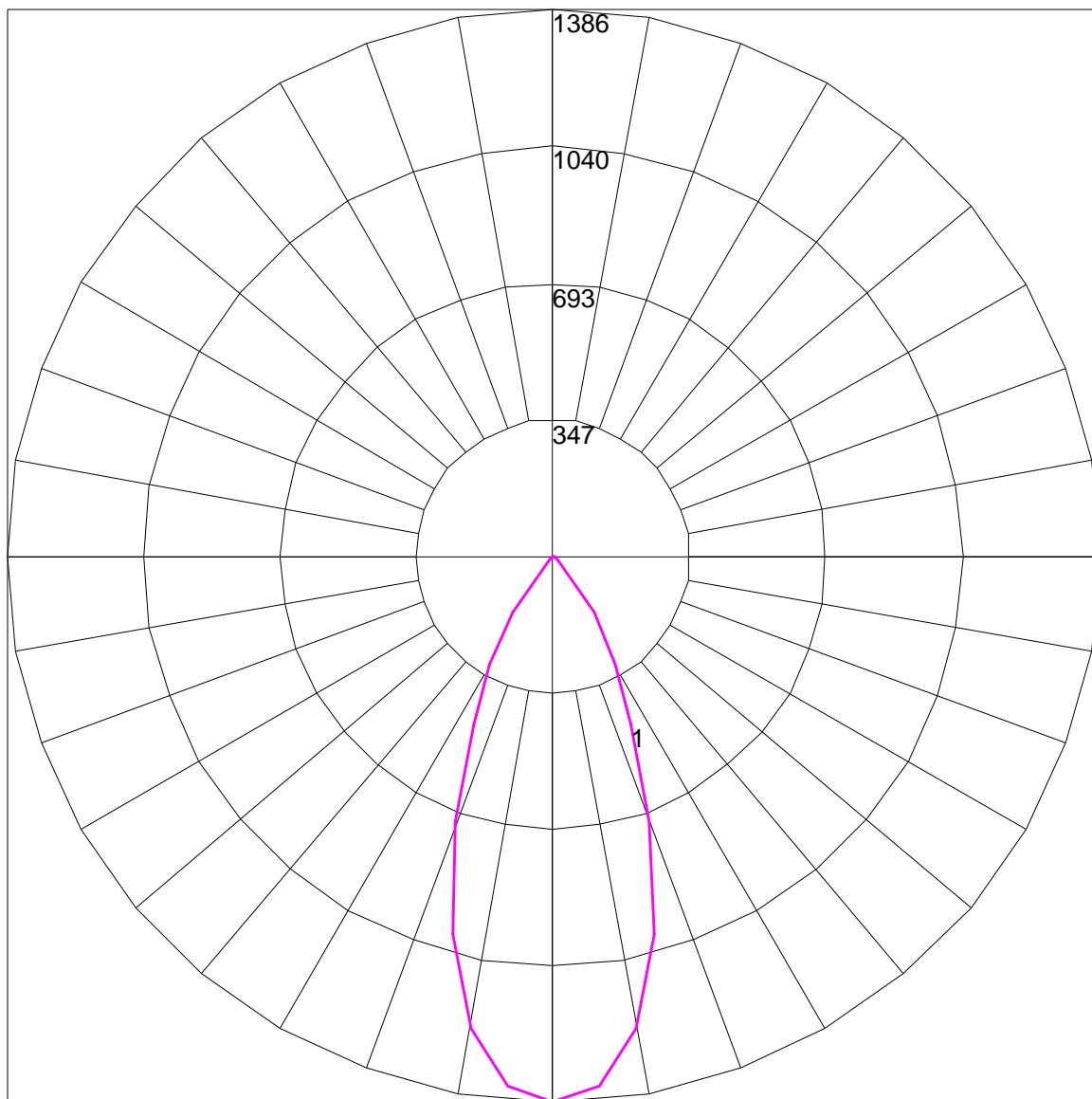
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	104	103	102	101	99	98	97	97	95
2	109	105	102	99	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	72	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 = 1386.064 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)