

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT20LE1-RDD4X-XXK-WDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00548.11_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 3/13/2017

[UPDATE] 4/18/2017

[LUMCAT] SR4MRx-XT20L-E1-RDD4x-xxK-WD-MW-SO

[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Wide Beam

[OTHER] Matte White Trim, Solite lens

[OTHER] 40 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	1355
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
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	6526	6117	6365
55	3606	3242	3168
65	2528	2349	1984
75	1079	848	1039
85	1511	956	1383

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT20LE1-RDD4X-XXK-WDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2482.639	2482.639	2482.639	2482.639	2482.639
5	2366.167	2382.779	2385.479	2414.817	2416.668
10	2073.145	2102.787	2103.291	2158.391	2158.394
15	1656.827	1694.229	1690.398	1757.849	1751.339
20	1214.363	1251.512	1245.998	1306.750	1292.321
25	834.998	862.001	852.234	898.939	884.267
30	530.095	545.460	531.122	565.270	553.088
35	272.573	285.262	271.455	296.128	277.571
40	105.365	112.598	106.820	115.524	106.821
45	44.408	45.677	41.623	44.089	43.315
50	26.714	26.240	23.782	24.882	24.468
55	19.903	18.466	17.893	17.214	17.487
60	14.795	13.608	13.314	12.839	12.181
65	10.283	9.561	9.554	9.429	8.071
70	6.956	6.057	6.083	5.747	5.120
75	2.688	2.442	2.113	2.898	2.588
80	1.635	1.769	1.275	1.511	1.419
85	1.267	1.114	0.802	1.162	1.160
90	0.806	0.882	0.721	0.399	0.661

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Zone	Lumens	%Lamp	%Fixt
0-20	692.32	N.A.	51.10
0-30	1094.95	N.A.	80.80
0-40	1282.29	N.A.	94.60
0-60	1341.39	N.A.	99.00
0-80	1354.13	N.A.	99.90
0-90	1355.32	N.A.	100.00
10-90	1135.55	N.A.	83.80
20-40	589.97	N.A.	43.50
20-50	632.43	N.A.	46.70
40-70	68.53	N.A.	5.10
60-80	12.74	N.A.	0.90
70-80	3.30	N.A.	0.20
80-90	1.19	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	1355.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	219.76
10-20	472.56
20-30	402.62
30-40	187.35
40-50	42.46
50-60	16.64
60-70	9.43
70-80	3.30
80-90	1.19
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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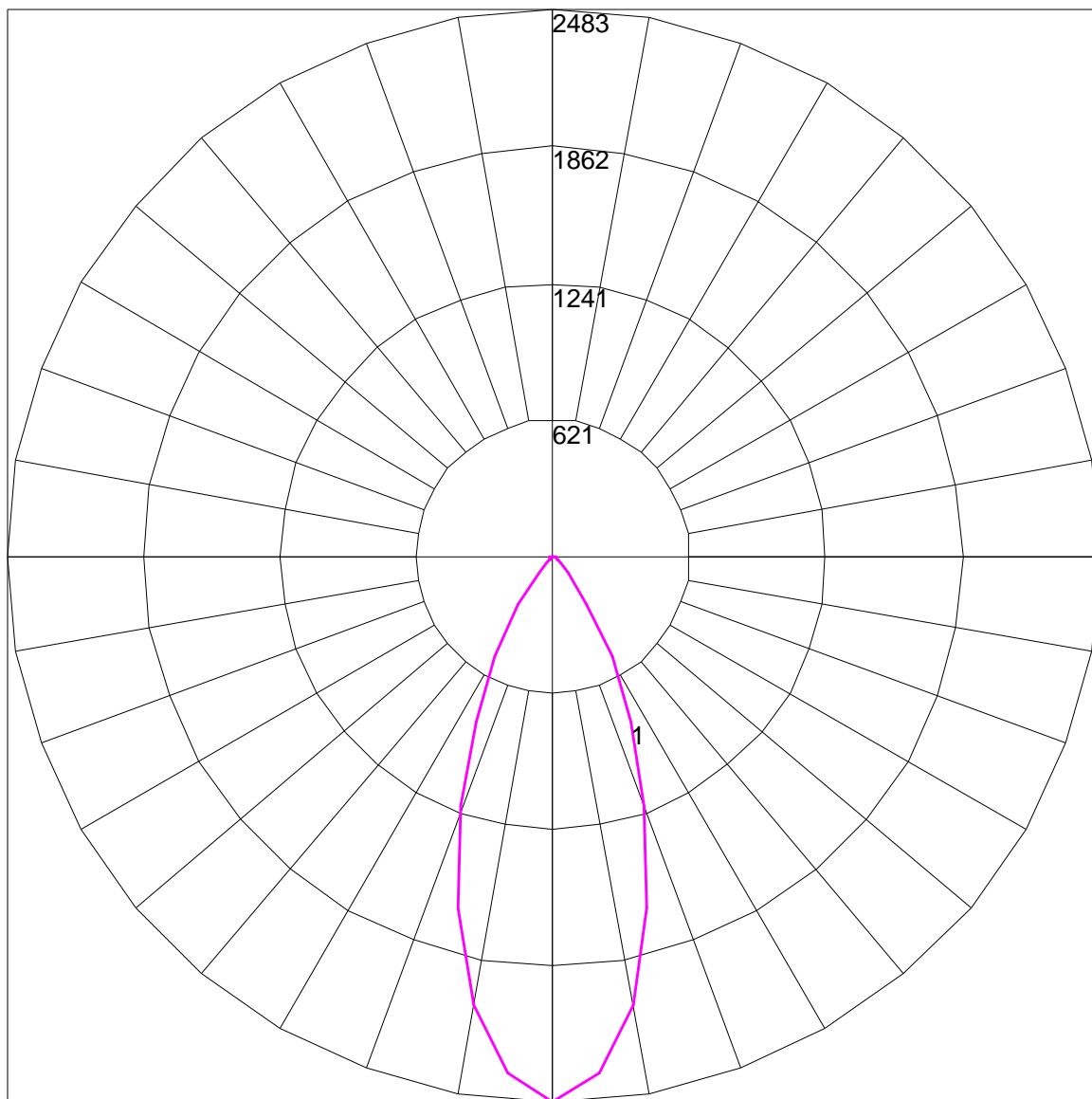
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	83	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	74	71	68	67
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58

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POLAR GRAPH



Maximum Candela = 2482.639 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)