

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_6 ~ SR4MX-XT20LE1-RDD4X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00548.6_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 3/13/2017

[UPDATE] 4/18/2017

[LUMCAT] SR4MRx-XT20L-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 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	1540
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	23.7
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	526	362	436
55	552	275	535
65	532	465	387
75	444	546	290
85	787	1704	869

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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	4486.912	4486.912	4486.912	4486.912	4486.912
5	4190.243	4219.946	4151.178	4168.521	4116.538
10	3167.785	3220.467	3115.164	3144.755	3059.050
15	2030.739	2078.456	1986.768	2016.123	1935.741
20	1230.118	1253.324	1204.358	1221.675	1173.923
25	826.642	833.390	811.345	821.033	795.170
30	624.249	627.038	615.224	617.541	601.303
35	342.221	351.191	314.139	319.741	286.811
40	21.897	24.126	13.878	13.598	5.784
45	3.577	2.820	2.465	3.286	2.964
50	1.727	2.582	2.355	2.849	2.306
55	3.046	1.541	1.517	2.334	2.955
60	2.015	2.242	1.929	1.694	1.889
65	2.162	2.185	1.893	1.551	1.572
70	1.417	1.840	1.682	0.978	1.496
75	1.107	1.090	1.361	1.025	0.722
80	1.020	0.481	0.614	0.734	0.915
85	0.660	0.817	1.429	0.418	0.729
90	0.487	0.483	0.621	0.252	0.881

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Zone	Lumens	%Lamp	%Fixt
0-20	938.54	N.A.	60.90
0-30	1334.34	N.A.	86.60
0-40	1530.15	N.A.	99.30
0-60	1536.75	N.A.	99.80
0-80	1539.69	N.A.	99.90
0-90	1540.47	N.A.	100.00
10-90	1175.02	N.A.	76.30
20-40	591.61	N.A.	38.40
20-50	596.28	N.A.	38.70
40-70	8.38	N.A.	0.50
60-80	2.94	N.A.	0.20
70-80	1.16	N.A.	0.10
80-90	0.79	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	1540.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	365.45
10-20	573.09
20-30	395.80
30-40	195.81
40-50	4.67
50-60	1.93
60-70	1.78
70-80	1.16
80-90	0.79
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

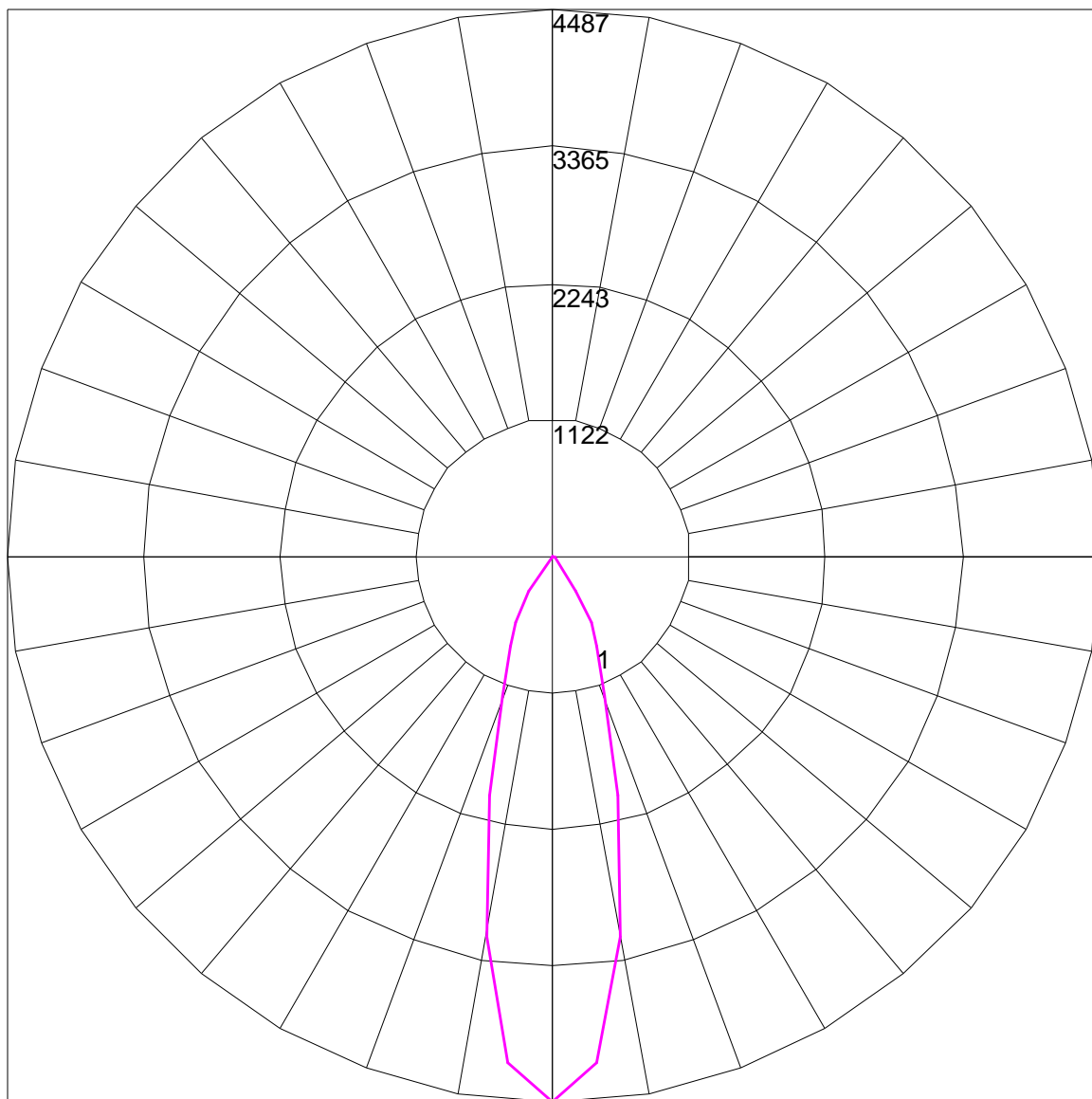
Effective Floor Cavity Reflectance 0.20

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	97	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	85	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	77	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 = 4486.912 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)