

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_5 ~ SR4MX-XT20LE1-RDD4X-XXK-NDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00548.5_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 3/13/2017

[UPDATE] 4/18/2017

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

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

[OTHER] Matte White Trim, Solite lens

[OTHER] 19.9 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	828
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	35
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.28
Spacing Criterion (90-270)	0.28
Spacing Criterion (Diagonal)	0.28
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_5 ~ SR4MX-XT20LE1-RDD4X-XXK-NDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2477	2294	2591
55	1193	1278	1538
65	698	739	741
75	365	573	598
85	770	919	1060

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_5 ~ SR4MX-XT20LE1-RDD4X-XXK-NDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	6120.962	6120.962	6120.962	6120.962	6120.962
5	4642.077	4317.097	4536.326	4558.789	4736.568
10	2033.949	1677.395	1847.710	1933.702	1950.948
15	736.827	580.607	647.469	724.471	678.554
20	362.031	328.663	340.448	358.597	352.672
25	288.653	282.475	282.689	283.699	286.149
30	238.887	228.861	230.093	226.339	225.651
35	133.178	122.011	127.998	121.910	126.088
40	46.508	40.946	42.618	39.260	46.062
45	16.859	14.166	15.608	16.874	17.629
50	9.747	8.216	9.490	10.386	10.144
55	6.586	5.780	7.053	6.803	8.488
60	4.779	4.282	4.556	4.200	4.674
65	2.840	2.942	3.005	3.619	3.012
70	2.022	2.346	2.737	2.522	2.599
75	0.908	1.708	1.428	1.329	1.490
80	0.917	1.039	1.048	0.803	1.024
85	0.646	0.514	0.771	0.918	0.889
90	0.374	0.425	0.550	0.463	0.686

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Zone	Lumens	%Lamp	%Fixt
0-20	589.10	N.A.	71.10
0-30	720.19	N.A.	87.00
0-40	800.40	N.A.	96.60
0-60	822.48	N.A.	99.30
0-80	827.39	N.A.	99.90
0-90	828.20	N.A.	100.00
10-90	472.40	N.A.	57.00
20-40	211.31	N.A.	25.50
20-50	227.24	N.A.	27.40
40-70	25.33	N.A.	3.10
60-80	4.91	N.A.	0.60
70-80	1.66	N.A.	0.20
80-90	0.80	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	828.20	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	355.80
10-20	233.30
20-30	131.09
30-40	80.22
40-50	15.93
50-60	6.14
60-70	3.26
70-80	1.66
80-90	0.80
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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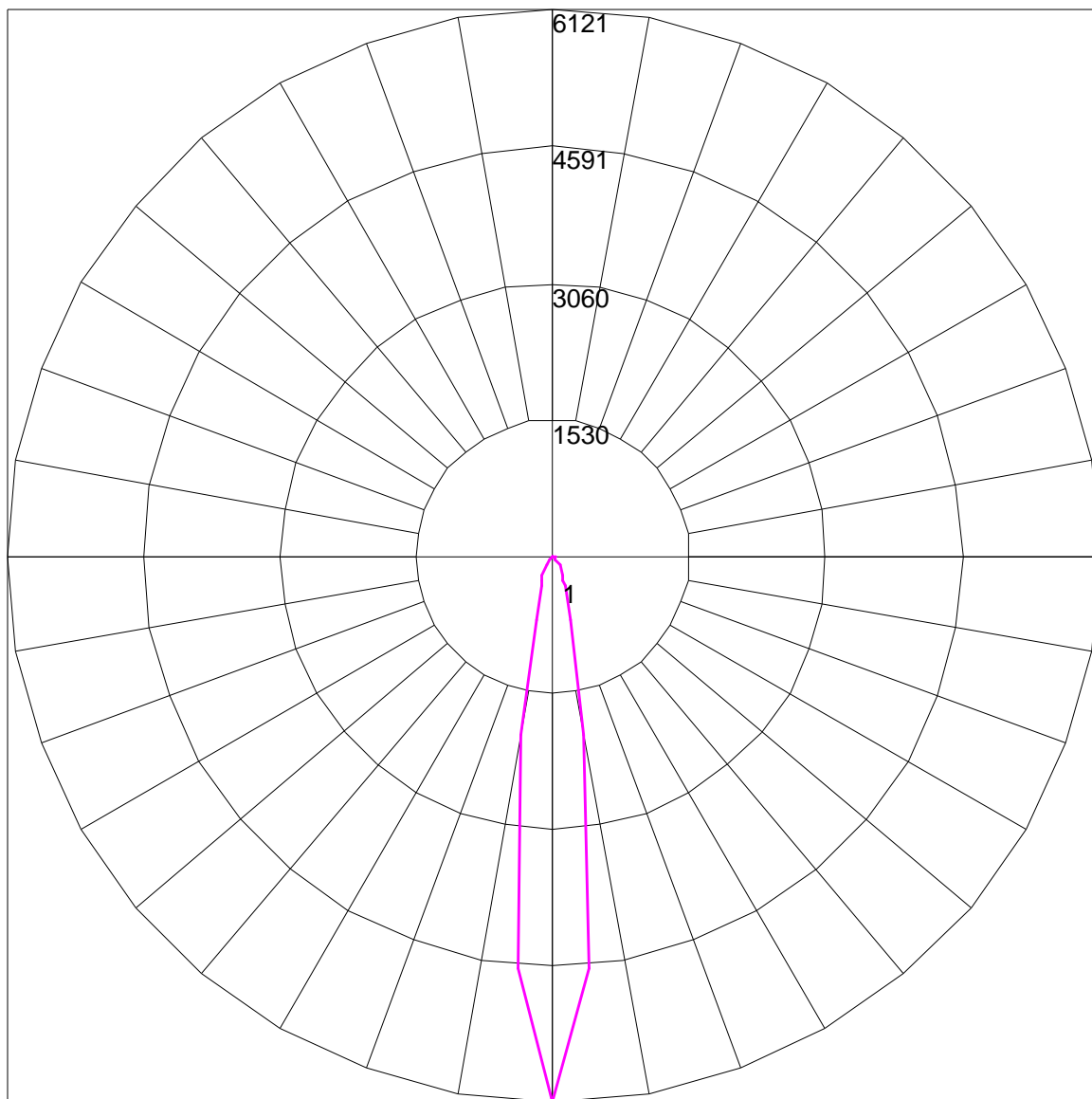
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	86	84	82	81
7	95	88	84	81	93	87	83	80	86	83	80	85	82	80	84	81	79	78
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76
9	90	83	79	76	89	82	78	76	82	78	75	81	77	75	80	77	75	74
10	87	80	76	74	86	80	76	74	79	76	73	79	76	73	78	75	73	72

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POLAR GRAPH



Maximum Candela = 6120.962 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)