

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_1 ~ SR4MX-XT13LE1-RDD4X-XXK-XNMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.1_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/13/2017
[UPDATE] 4/18/2017
[LUMCAT] SR4MRx-XT13L-E1-RDD4x-xxK-XN-MW-GL
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Xtra Narrow Beam
[OTHER] Matte White Trim, clear glass lens
[OTHER] 10.7 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, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1086
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.16
Spacing Criterion (90-270)	0.16
Spacing Criterion (Diagonal)	0.20
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	1131	1410	965
55	1025	1006	828
65	587	387	262
75	636	412	526
85	1695	480	872

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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	17643.541	17643.541	17643.541	17643.541	17643.541
5	7481.363	7832.812	7281.865	8022.982	7969.591
10	1242.745	1314.782	1226.978	1314.284	1279.357
15	484.772	491.555	478.945	478.394	464.147
20	382.864	378.577	379.501	377.181	377.058
25	365.041	359.135	362.835	355.363	358.199
30	341.970	349.679	339.591	350.182	339.793
35	138.338	169.385	133.571	185.006	151.938
40	16.883	13.338	17.833	13.747	15.662
45	7.696	7.237	9.595	8.135	6.567
50	5.404	5.618	7.135	5.816	5.648
55	5.659	5.550	5.551	5.374	4.571
60	3.268	3.997	3.898	4.315	1.940
65	2.387	1.554	1.573	1.671	1.064
70	1.997	2.612	2.145	1.500	1.286
75	1.583	1.061	1.026	1.036	1.309
80	1.243	1.653	0.580	0.562	1.511
85	1.422	1.542	0.403	1.053	0.731
90	1.278	0.648	0.513	0.209	0.552

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Zone	Lumens	%Lamp	%Fixt
0-20	800.20	N.A.	73.70
0-30	966.86	N.A.	89.00
0-40	1069.94	N.A.	98.50
0-60	1081.68	N.A.	99.60
0-80	1085.29	N.A.	99.90
0-90	1086.29	N.A.	100.00
10-90	461.34	N.A.	42.50
20-40	269.74	N.A.	24.80
20-50	276.89	N.A.	25.50
40-70	13.95	N.A.	1.30
60-80	3.61	N.A.	0.30
70-80	1.40	N.A.	0.10
80-90	1.00	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	1086.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	624.94
10-20	175.26
20-30	166.66
30-40	103.08
40-50	7.16
50-60	4.59
60-70	2.21
70-80	1.40
80-90	1.00
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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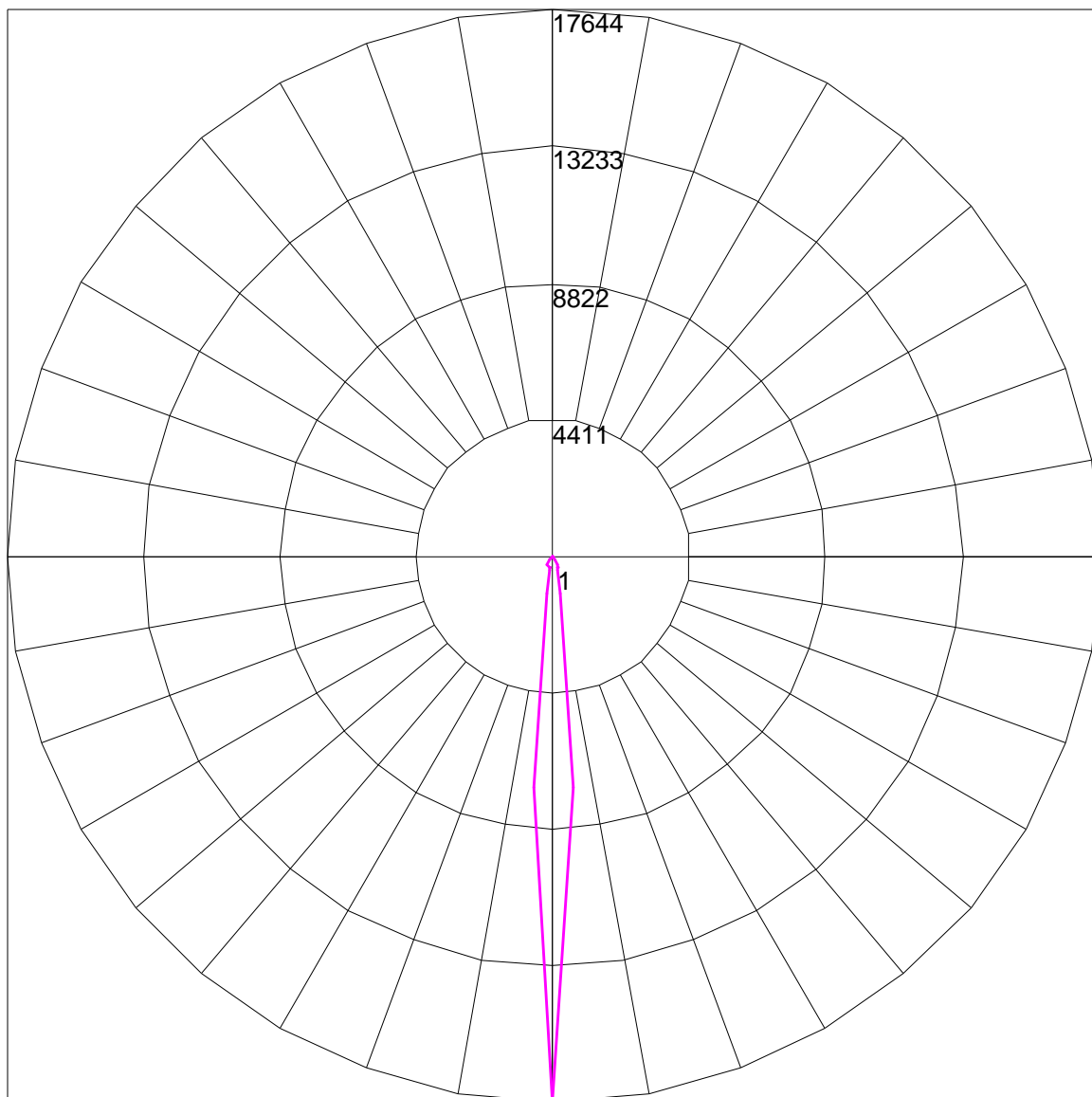
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	95	89	86	83	95	89	85	83	88	85	83	87	84	82	86	84	82	81
9	93	87	84	81	93	87	84	81	86	83	81	86	83	81	85	82	80	80
10	92	86	82	80	91	85	82	79	85	81	79	84	81	79	83	81	79	78

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POLAR GRAPH



Maximum Candela = 17643.541 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)