

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_2 ~ SR4MX-XT13LE1-RDD4X-XXK-XNMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.2_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT13L-E1-RDD4x-xxK-XN-MW-SO
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 14.1 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	1036
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	20.4
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_2 ~ SR4MX-XT13LE1-RDD4X-XXK-XNMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3100	2870	3241
55	1493	1599	1924
65	874	924	927
75	456	717	749
85	963	1151	1326

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_2 ~ SR4MX-XT13LE1-RDD4X-XXK-XNMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	7658.566	7658.566	7658.566	7658.566	7658.566
5	5808.181	5401.564	5675.864	5703.970	5926.409
10	2544.883	2098.762	2311.860	2419.454	2441.032
15	921.920	726.458	810.116	906.460	849.009
20	452.974	411.224	425.969	448.678	441.264
25	361.163	353.434	353.701	354.965	358.031
30	298.897	286.351	287.893	283.197	282.335
35	166.633	152.660	160.152	152.534	157.761
40	58.191	51.232	53.324	49.122	57.633
45	21.094	17.724	19.529	21.113	22.057
50	12.196	10.280	11.874	12.995	12.693
55	8.241	7.232	8.825	8.512	10.620
60	5.979	5.357	5.700	5.255	5.848
65	3.553	3.681	3.760	4.529	3.769
70	2.530	2.935	3.425	3.156	3.252
75	1.136	2.137	1.787	1.663	1.865
80	1.148	1.300	1.311	1.005	1.281
85	0.808	0.643	0.965	1.149	1.112
90	0.467	0.532	0.688	0.580	0.859

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Zone	Lumens	%Lamp	%Fixt
0-20	737.08	N.A.	71.10
0-30	901.10	N.A.	87.00
0-40	1001.47	N.A.	96.60
0-60	1029.09	N.A.	99.30
0-80	1035.24	N.A.	99.90
0-90	1036.24	N.A.	100.00
10-90	591.06	N.A.	57.00
20-40	264.39	N.A.	25.50
20-50	284.32	N.A.	27.40
40-70	31.70	N.A.	3.10
60-80	6.15	N.A.	0.60
70-80	2.07	N.A.	0.20
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	1036.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	445.18
10-20	291.90
20-30	164.02
30-40	100.37
40-50	19.94
50-60	7.68
60-70	4.08
70-80	2.07
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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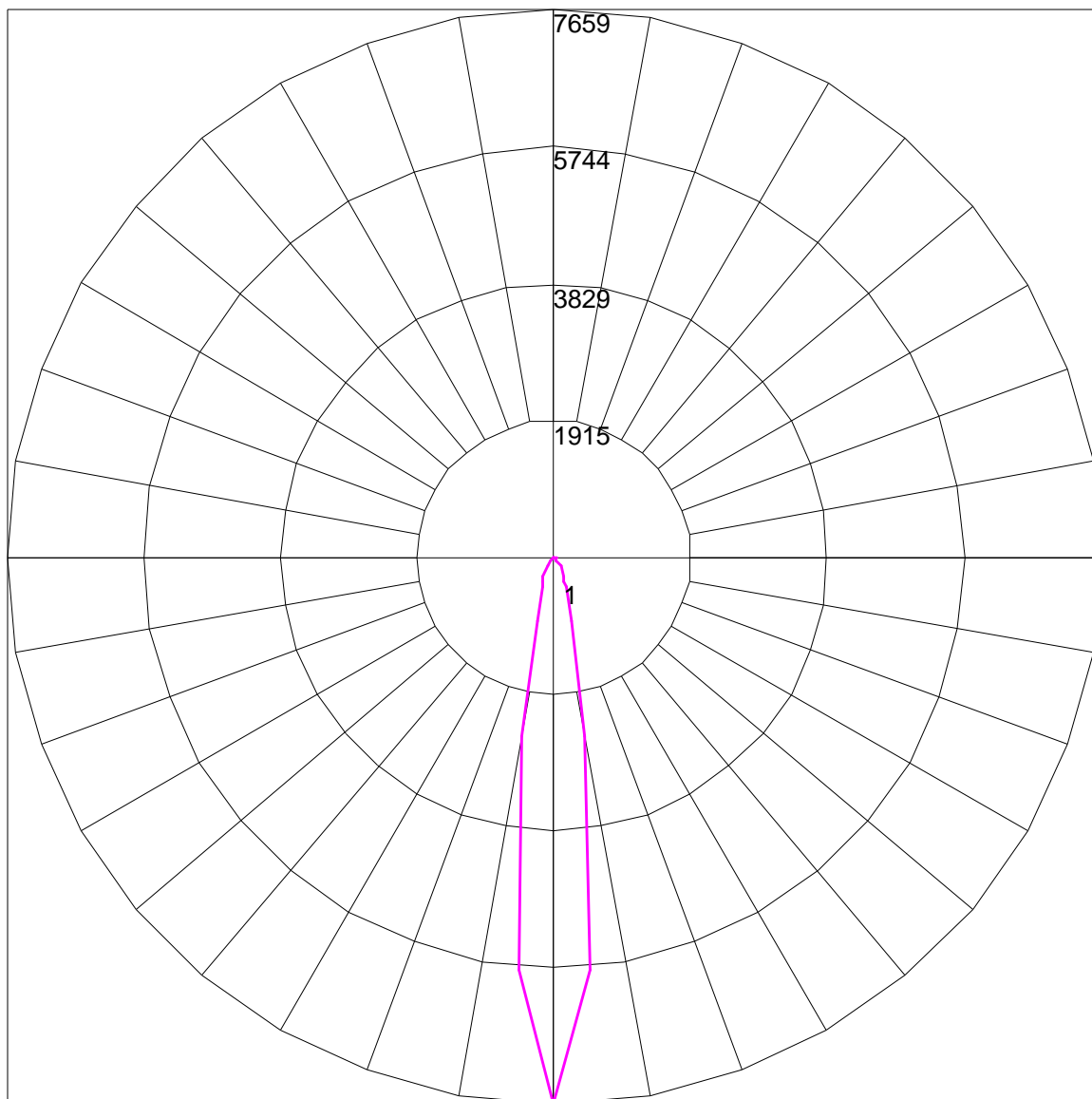
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 7658.566 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)