

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT13LE1-RD4X-XXK-WDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.11_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT13L-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	881
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	15
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT13LE1-RD4X-XXK-WDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4242	3976	4138
55	2344	2107	2059
65	1643	1527	1290
75	702	552	675
85	982	621	899

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT13LE1-RD4X-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	1613.835	1613.835	1613.835	1613.835	1613.835
5	1538.122	1548.921	1550.676	1569.747	1570.951
10	1347.644	1366.913	1367.241	1403.058	1403.060
15	1077.017	1101.331	1098.840	1142.687	1138.455
20	789.394	813.543	809.959	849.451	840.071
25	542.789	560.342	553.993	584.354	574.816
30	344.587	354.576	345.255	367.452	359.534
35	177.186	185.434	176.459	192.497	180.434
40	68.492	73.194	69.438	75.096	69.439
45	28.867	29.692	27.057	28.660	28.157
50	17.365	17.057	15.460	16.175	15.905
55	12.938	12.004	11.631	11.190	11.367
60	9.617	8.846	8.655	8.346	7.918
65	6.684	6.215	6.210	6.129	5.247
70	4.522	3.937	3.954	3.736	3.328
75	1.748	1.587	1.374	1.884	1.682
80	1.063	1.150	0.829	0.982	0.922
85	0.824	0.724	0.521	0.755	0.754
90	0.524	0.573	0.468	0.259	0.430

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT13LE1-RD4X-XXK-WDMWSO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	450.04	N.A.	51.10
0-30	711.77	N.A.	80.80
0-40	833.55	N.A.	94.60
0-60	871.97	N.A.	99.00
0-80	880.25	N.A.	99.90
0-90	881.02	N.A.	100.00
10-90	738.16	N.A.	83.80
20-40	383.51	N.A.	43.50
20-50	411.11	N.A.	46.70
40-70	44.55	N.A.	5.10
60-80	8.28	N.A.	0.90
70-80	2.15	N.A.	0.20
80-90	0.77	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	881.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	142.86
10-20	307.19
20-30	261.72
30-40	121.78
40-50	27.60
50-60	10.82
60-70	6.13
70-80	2.15
80-90	0.77
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT13LE1-RD4X-XXK-WDMWSO.IES

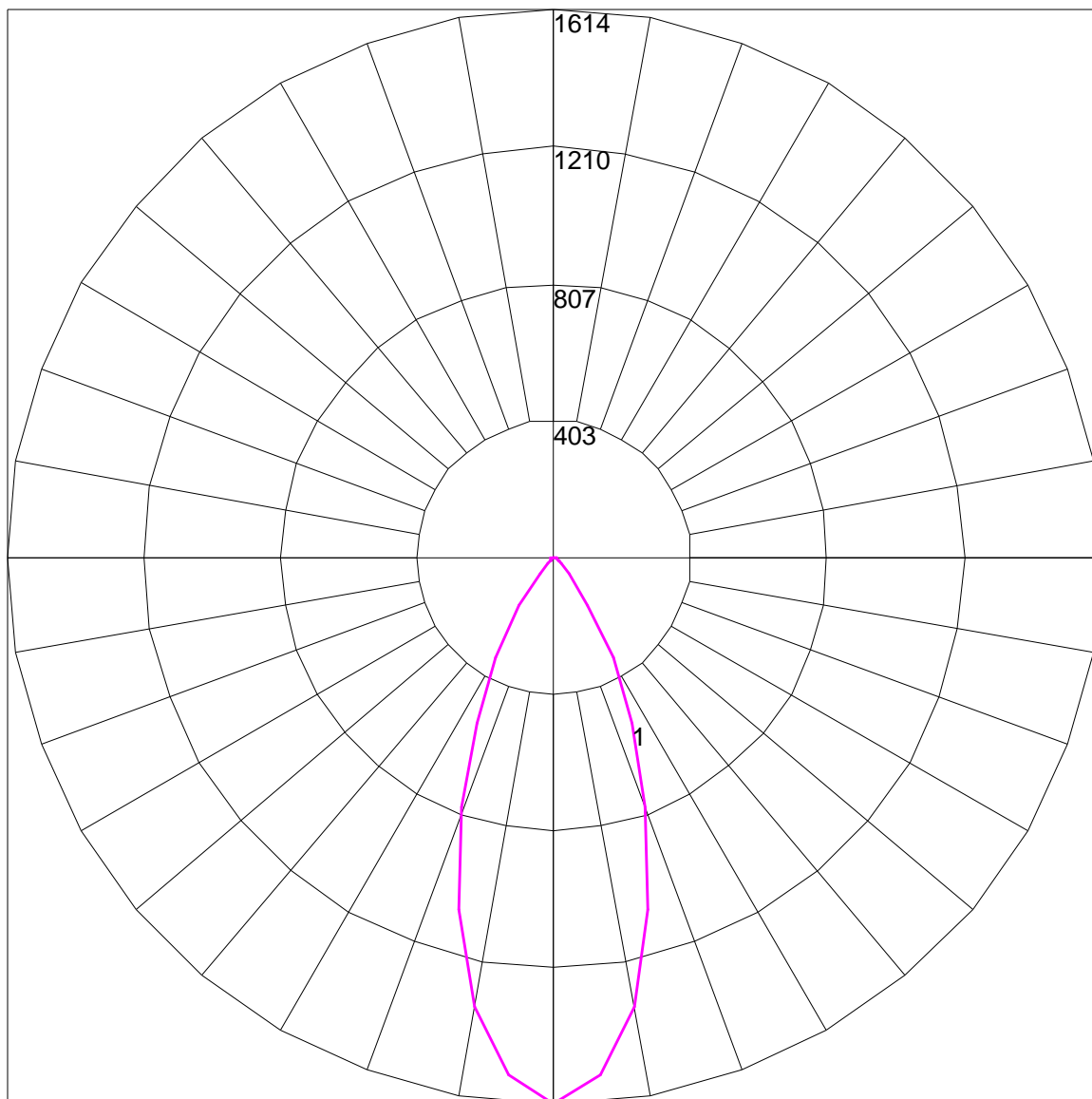
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	80	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	61	59	58

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT13LE1-RD4X-XXK-WDMWSO.IES

POLAR GRAPH



Maximum Candela = 1613.835 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)