

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_13 ~ SR4MX-XT10LE1-RDD4X-XXK-XWMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.13_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT10L-E1-RDD4x-xxK-XW-MW-GL
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Xtra Wide Beam
 [OTHER] Matte White Trim, Glass lens
 [OTHER] 61.6 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	702
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.00
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	0.92
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_13 ~ SR4MX-XT10LE1-RDD4X-XXK-XWMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2810	2690	2715
55	594	722	692
65	581	633	609
75	359	489	387
85	496	486	467

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_13 ~ SR4MX-XT10LE1-RDD4X-XXK-XWMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	775.746	775.746	775.746	775.746	775.746
5	766.390	768.515	767.916	770.334	767.068
10	737.112	739.283	738.151	737.894	732.556
15	697.899	701.516	698.780	696.927	687.994
20	642.414	644.924	641.176	638.062	626.725
25	564.741	566.635	560.032	559.893	548.680
30	448.308	454.452	442.785	450.751	435.902
35	241.381	246.395	235.547	249.534	230.021
40	62.554	64.703	57.836	62.977	59.023
45	19.125	19.960	18.307	20.236	18.475
50	7.136	7.799	7.448	7.789	7.106
55	3.279	4.028	3.986	3.699	3.818
60	2.436	2.572	2.524	2.490	2.913
65	2.365	2.396	2.573	2.319	2.477
70	2.292	2.035	2.041	2.206	2.123
75	0.895	0.813	1.217	0.955	0.965
80	0.719	0.490	0.616	0.528	0.665
85	0.416	0.518	0.408	0.545	0.392
90	0.319	0.270	0.290	0.173	0.343

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_13 ~ SR4MX-XT10LE1-RDD4X-XXK-XWMWGL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	267.67	N.A.	38.10
0-30	521.18	N.A.	74.30
0-40	673.30	N.A.	95.90
0-60	697.66	N.A.	99.40
0-80	701.25	N.A.	99.90
0-90	701.74	N.A.	100.00
10-90	629.40	N.A.	89.70
20-40	405.64	N.A.	57.80
20-50	426.05	N.A.	60.70
40-70	26.72	N.A.	3.80
60-80	3.59	N.A.	0.50
70-80	1.23	N.A.	0.20
80-90	0.49	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	701.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	72.33
10-20	195.33
20-30	253.52
30-40	152.12
40-50	20.41
50-60	3.94
60-70	2.37
70-80	1.23
80-90	0.49
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_13 ~ SR4MX-XT10LE1-RDD4X-XXK-XWMWGL.IES

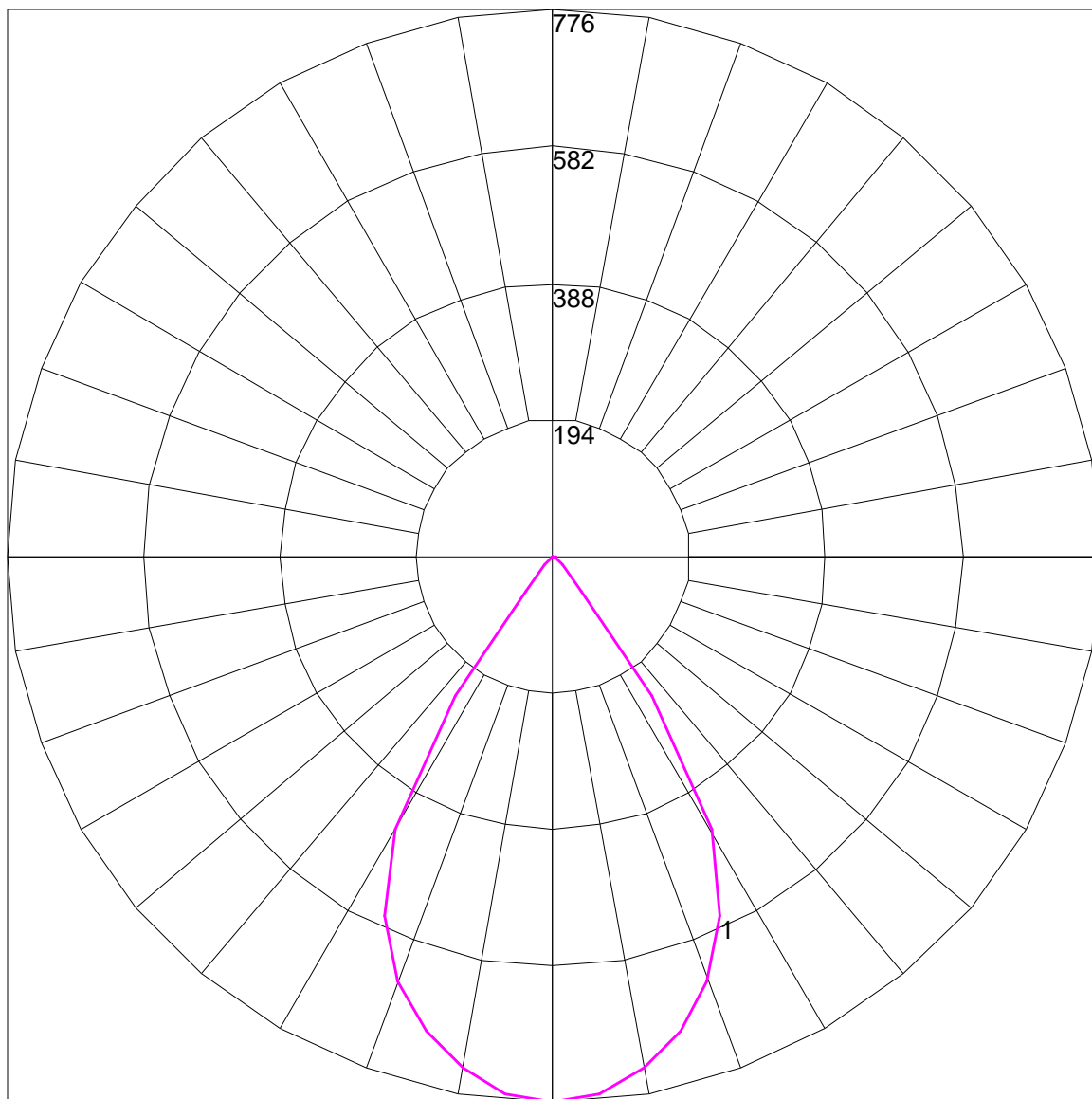
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	78	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	80	74	70	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	64	61	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	56	64	59	56	55
10	73	63	57	54	72	63	57	54	62	57	53	61	56	53	60	56	53	52

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_13 ~ SR4MX-XT10LE1-RDD4X-XXK-XWMWGL.IES

POLAR GRAPH



Maximum Candela = 775.746 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)