

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_5 ~ SR4MX-XT13LE1-RDD4X-XXK-NDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.5_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT13L-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	538
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	36
Total Luminaire Watts	15
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-XT13LE1-RDD4X-XXK-NDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1610	1491	1684
55	776	831	999
65	454	480	481
75	237	373	389
85	501	597	689

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_5 ~ SR4MX-XT13LE1-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	3978.920	3978.920	3978.920	3978.920	3978.920
5	3017.573	2806.321	2948.830	2963.432	3078.997
10	1322.164	1090.387	1201.100	1256.999	1268.210
15	478.973	377.423	420.886	470.941	441.093
20	235.337	213.647	221.307	233.106	229.254
25	187.638	183.622	183.761	184.418	186.011
30	155.288	148.770	149.572	147.132	146.684
35	86.572	79.313	83.205	79.247	81.963
40	30.233	26.617	27.704	25.521	29.943
45	10.959	9.208	10.146	10.969	11.460
50	6.336	5.341	6.169	6.751	6.594
55	4.281	3.757	4.585	4.423	5.517
60	3.107	2.783	2.962	2.730	3.038
65	1.846	1.912	1.953	2.353	1.958
70	1.314	1.525	1.779	1.640	1.690
75	0.590	1.110	0.928	0.864	0.969
80	0.596	0.675	0.681	0.522	0.666
85	0.420	0.334	0.501	0.597	0.578
90	0.243	0.276	0.357	0.301	0.446

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Zone	Lumens	%Lamp	%Fixt
0-20	382.94	N.A.	71.10
0-30	468.16	N.A.	87.00
0-40	520.30	N.A.	96.60
0-60	534.65	N.A.	99.30
0-80	537.85	N.A.	99.90
0-90	538.37	N.A.	100.00
10-90	307.08	N.A.	57.00
20-40	137.36	N.A.	25.50
20-50	147.72	N.A.	27.40
40-70	16.47	N.A.	3.10
60-80	3.19	N.A.	0.60
70-80	1.08	N.A.	0.20
80-90	0.52	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	538.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	231.29
10-20	151.66
20-30	85.21
30-40	52.15
40-50	10.36
50-60	3.99
60-70	2.12
70-80	1.08
80-90	0.52
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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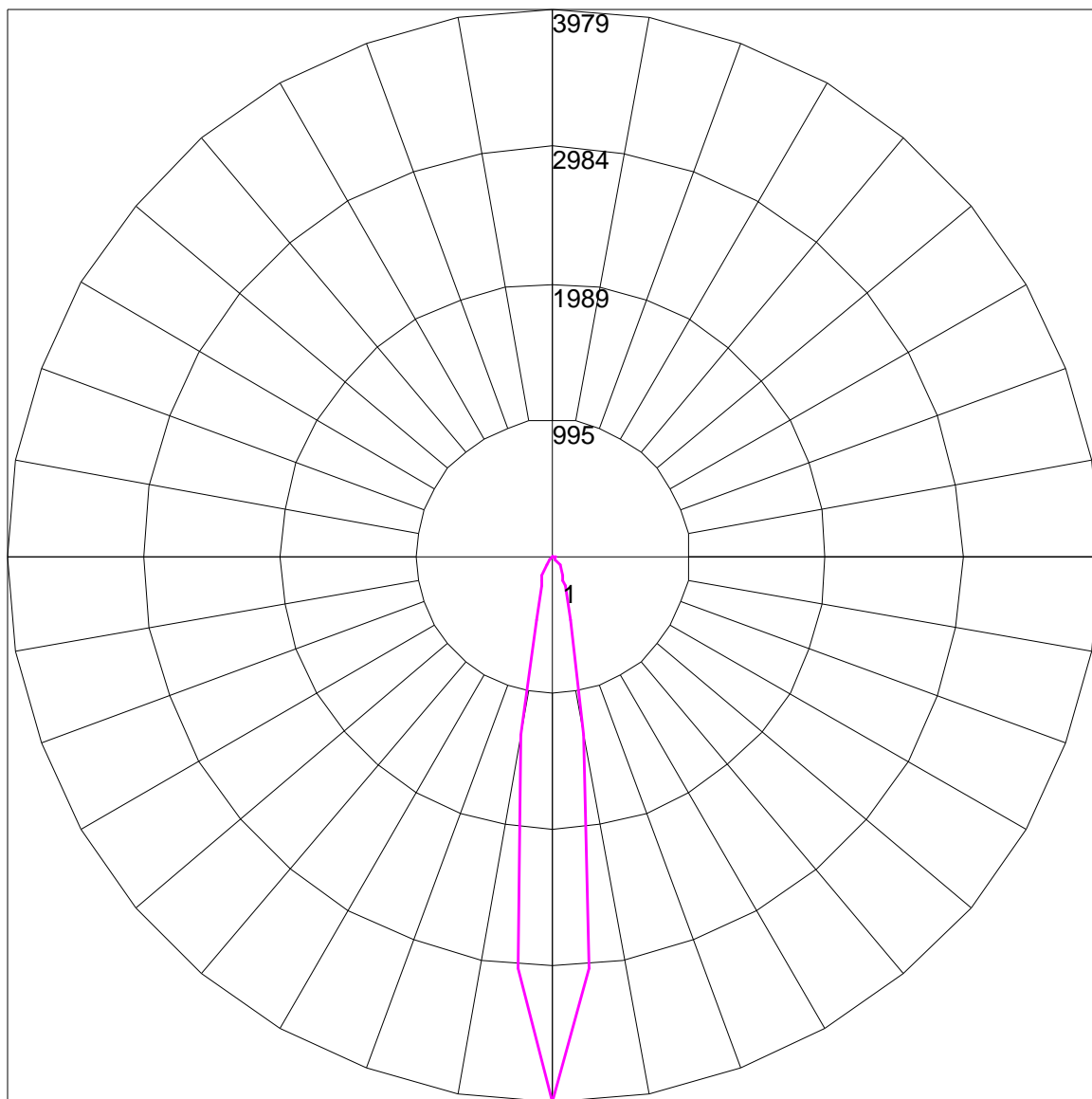
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	109	107	107	105	104	103	102	101	100	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	99	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	87	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	87	84	82	81
7	95	88	84	81	94	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	78	75	80	77	75	74
10	87	80	76	74	87	80	76	74	79	76	73	79	76	73	78	75	73	72

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POLAR GRAPH



Maximum Candela = 3978.92 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)