

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_6 ~ SR4MX-XT13LE1-RDD4X-XXK-MDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.6_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT13L-E1-RDD4x-xxK-MD-MW-NL
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, no lens
 [OTHER] 26.9 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	1001
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.50
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_6 ~ SR4MX-XT13LE1-RDD4X-XXK-MDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	342	235	283
55	359	179	348
65	346	303	251
75	289	355	188
85	511	1108	565

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_6 ~ SR4MX-XT13LE1-RDD4X-XXK-MDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2916.709	2916.709	2916.709	2916.709	2916.709
5	2723.860	2743.168	2698.466	2709.739	2675.948
10	2059.213	2093.458	2025.006	2044.242	1988.530
15	1320.078	1351.097	1291.495	1310.577	1258.325
20	799.636	814.721	782.891	794.148	763.106
25	537.357	541.744	527.413	533.711	516.899
30	405.792	407.605	399.925	401.431	390.876
35	222.460	228.291	204.206	207.847	186.441
40	14.234	15.683	9.021	8.840	3.760
45	2.325	1.833	1.602	2.136	1.927
50	1.123	1.678	1.531	1.852	1.499
55	1.980	1.002	0.986	1.517	1.921
60	1.310	1.458	1.254	1.101	1.228
65	1.406	1.420	1.231	1.008	1.022
70	0.921	1.196	1.093	0.636	0.972
75	0.720	0.709	0.885	0.667	0.469
80	0.663	0.312	0.399	0.477	0.595
85	0.429	0.531	0.929	0.272	0.474
90	0.316	0.314	0.404	0.164	0.572

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Zone	Lumens	%Lamp	%Fixt
0-20	610.10	N.A.	60.90
0-30	867.39	N.A.	86.60
0-40	994.67	N.A.	99.30
0-60	998.96	N.A.	99.80
0-80	1000.87	N.A.	99.90
0-90	1001.38	N.A.	100.00
10-90	763.82	N.A.	76.30
20-40	384.57	N.A.	38.40
20-50	387.61	N.A.	38.70
40-70	5.45	N.A.	0.50
60-80	1.91	N.A.	0.20
70-80	0.75	N.A.	0.10
80-90	0.51	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	1001.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	237.56
10-20	372.54
20-30	257.29
30-40	127.28
40-50	3.04
50-60	1.25
60-70	1.16
70-80	0.75
80-90	0.51
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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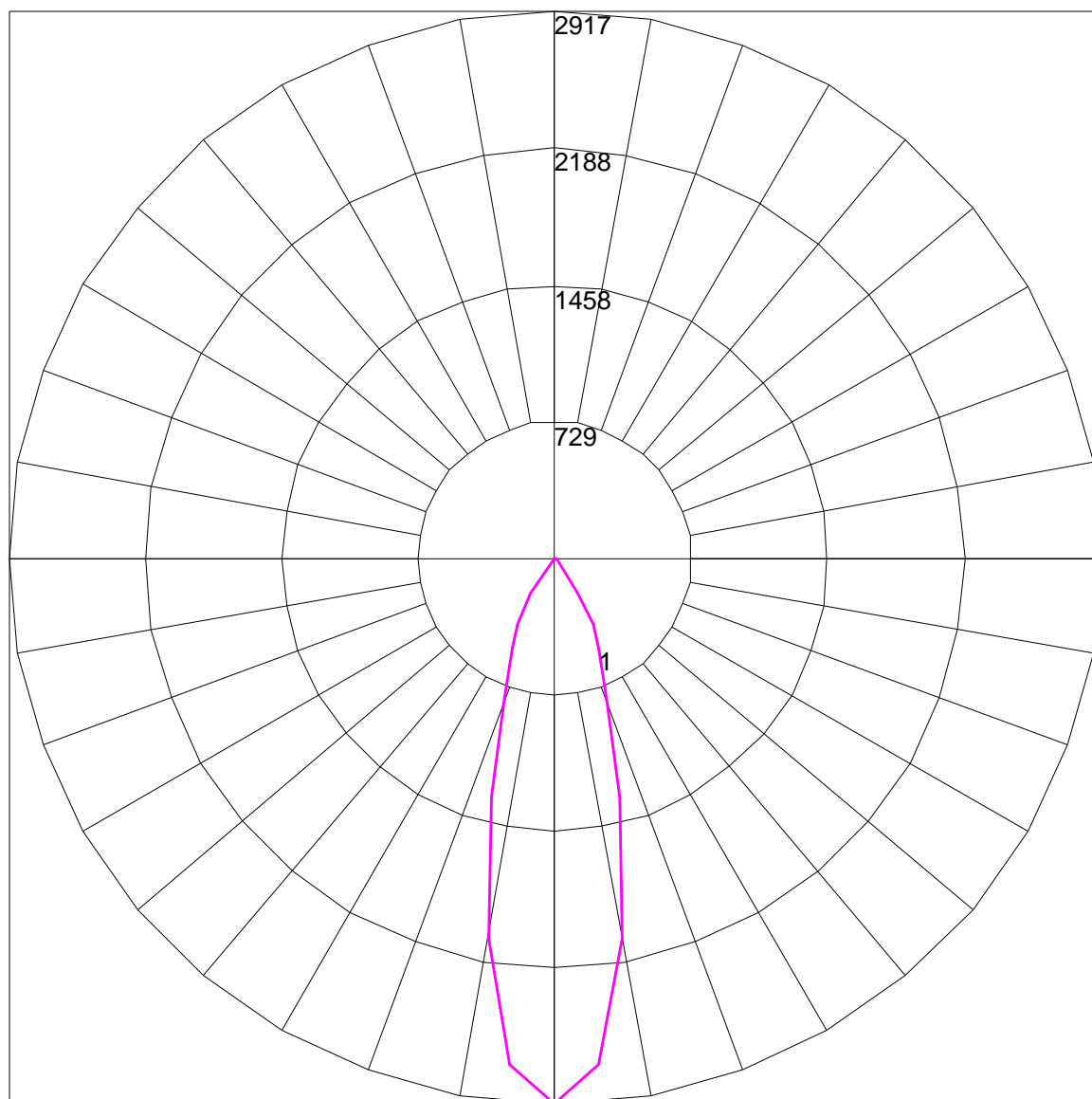
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79
6	94	87	82	78	93	86	82	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	90	82	78	75	81	77	74	80	77	74	79	76	73	72
8	87	80	75	71	86	79	75	71	78	74	71	77	73	71	76	73	70	69
9	84	77	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67
10	81	74	69	66	81	73	69	66	72	68	65	72	68	65	71	68	65	64

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POLAR GRAPH



Maximum Candela = 2916.709 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)