

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_14 ~ SR4MX-XT13LE1-RDD4X-XXK-XWMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.14_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT13L-E1-RDD4x-xxK-XW-MW-SO
 [LUMINAIRE] Nom. 4" Round Downlight, Deep Profile, Xtra Wide Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 59.1 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 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	922
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.92
Spacing Criterion (90-270)	0.94
Spacing Criterion (Diagonal)	0.88
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6381	7300	7113
55	2544	2716	2657
65	1689	1538	1624
75	838	882	809
85	838	666	850

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1049.484	1049.484	1049.484	1049.484	1049.484
5	1025.835	1026.989	1029.997	1033.712	1033.267
10	977.182	984.967	988.697	994.263	994.850
15	911.494	923.156	927.640	935.240	933.846
20	818.074	834.199	837.677	847.312	840.364
25	681.309	701.742	701.116	713.320	702.873
30	486.662	509.652	507.455	517.764	503.433
35	259.142	277.817	276.420	287.116	275.162
40	102.862	113.918	116.099	125.696	118.266
45	43.425	48.574	49.679	52.387	48.403
50	22.017	24.097	24.603	25.446	23.859
55	14.041	14.889	14.992	15.671	14.664
60	9.288	10.012	10.173	10.533	9.583
65	6.868	7.143	6.255	7.421	6.605
70	4.106	4.429	4.722	4.464	4.121
75	2.088	2.124	2.197	2.300	2.015
80	1.064	1.279	0.922	1.033	1.284
85	0.703	0.859	0.559	0.680	0.713
90	0.491	0.390	0.427	0.285	0.534

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Zone	Lumens	%Lamp	%Fixt
0-20	356.11	N.A.	38.60
0-30	670.61	N.A.	72.70
0-40	851.83	N.A.	92.40
0-60	911.66	N.A.	98.90
0-80	921.24	N.A.	99.90
0-90	922.04	N.A.	100.00
10-90	824.97	N.A.	89.50
20-40	495.72	N.A.	53.80
20-50	541.24	N.A.	58.70
40-70	66.81	N.A.	7.20
60-80	9.58	N.A.	1.00
70-80	2.60	N.A.	0.30
80-90	0.79	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	922.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.07
10-20	259.04
20-30	314.50
30-40	181.22
40-50	45.52
50-60	14.32
60-70	6.98
70-80	2.60
80-90	0.79
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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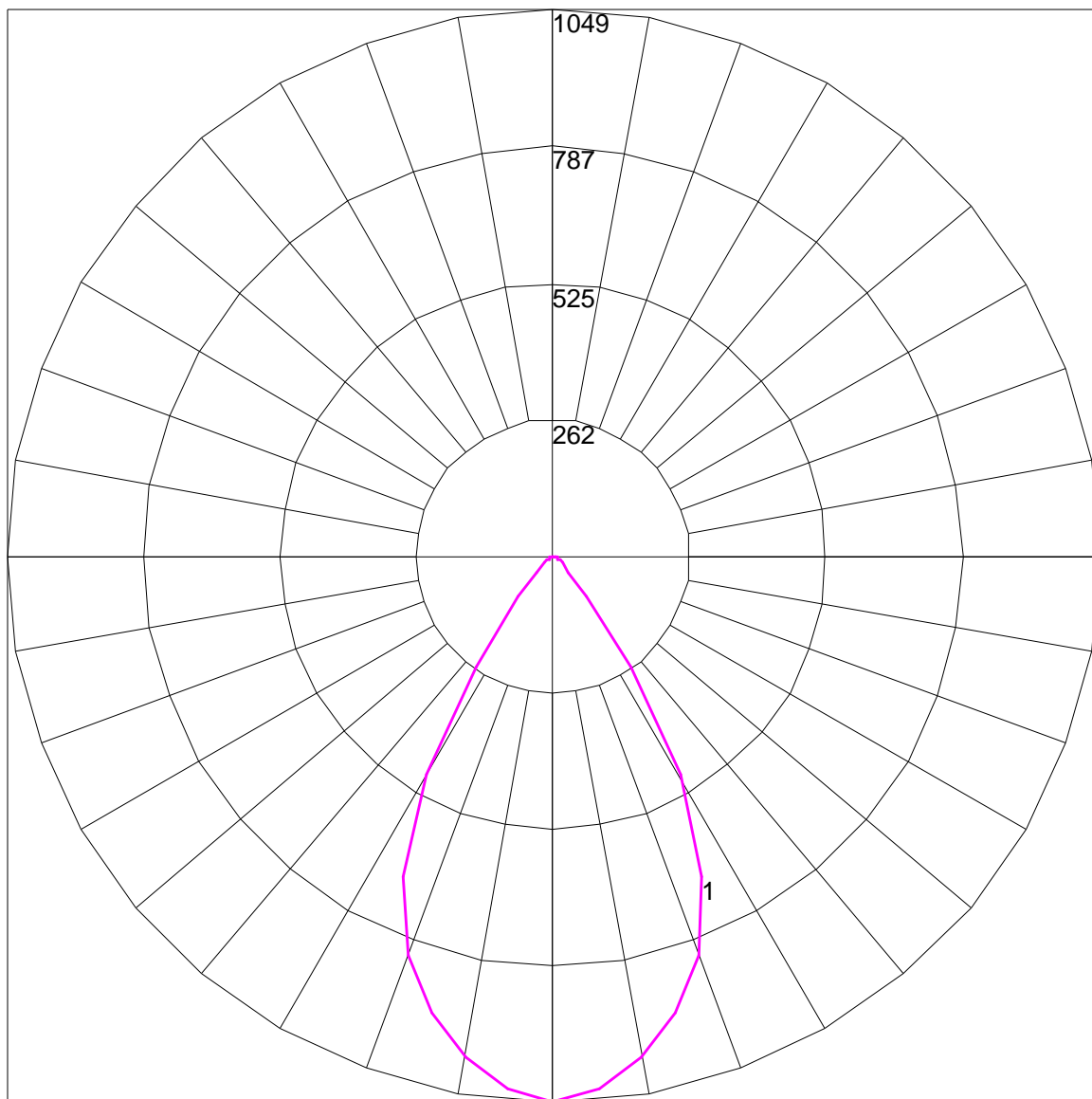
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	98	94	98	95	92	95	93	90	92	90	88	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	66
7	83	74	68	64	82	74	68	64	72	67	63	71	67	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	60	56	53	60	55	52	51

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POLAR GRAPH



Maximum Candela = 1049.484 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)