

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_5 ~ SR4MX-XT30LE1-RDD4X-XXK-NDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.5_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/13/2017
[UPDATE] 4/18/2017
[LUMCAT] SR4MRx-XT30L-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 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	2084
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.36
Spacing Criterion (Diagonal)	0.38
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	6092	5567	6352
55	3162	3174	3452
65	2185	1917	2112
75	1300	986	1188
85	1610	1475	1644

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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	9092.867	9092.867	9092.867	9092.867	9092.867
5	7839.609	7946.578	7767.406	7832.519	7651.474
10	4779.204	4904.004	4704.234	4801.452	4554.923
15	2442.068	2441.255	2352.314	2460.901	2346.772
20	1328.250	1311.619	1282.231	1346.984	1312.100
25	889.853	876.362	864.815	896.721	886.421
30	615.196	606.179	594.601	621.315	616.429
35	325.833	326.458	311.294	314.745	303.554
40	112.415	117.213	109.339	106.529	99.406
45	41.457	39.632	37.882	39.388	43.228
50	26.494	27.329	27.011	29.152	28.604
55	17.452	16.775	17.520	16.399	19.055
60	12.084	13.580	12.606	12.127	11.976
65	8.888	8.946	7.796	10.317	8.588
70	6.451	5.626	4.007	5.467	5.798
75	3.238	3.814	2.456	3.006	2.960
80	1.821	2.445	1.311	1.439	1.600
85	1.350	0.995	1.237	1.068	1.379
90	0.598	0.350	0.549	0.473	1.105

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Zone	Lumens	%Lamp	%Fixt
0-20	1385.88	N.A.	66.50
0-30	1804.96	N.A.	86.60
0-40	2012.53	N.A.	96.60
0-60	2070.55	N.A.	99.30
0-80	2082.88	N.A.	99.90
0-90	2084.14	N.A.	100.00
10-90	1431.46	N.A.	68.70
20-40	626.65	N.A.	30.10
20-50	668.00	N.A.	32.10
40-70	66.87	N.A.	3.20
60-80	12.33	N.A.	0.60
70-80	3.49	N.A.	0.20
80-90	1.26	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	2084.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	652.69
10-20	733.19
20-30	419.09
30-40	207.57
40-50	41.35
50-60	16.68
60-70	8.84
70-80	3.49
80-90	1.26
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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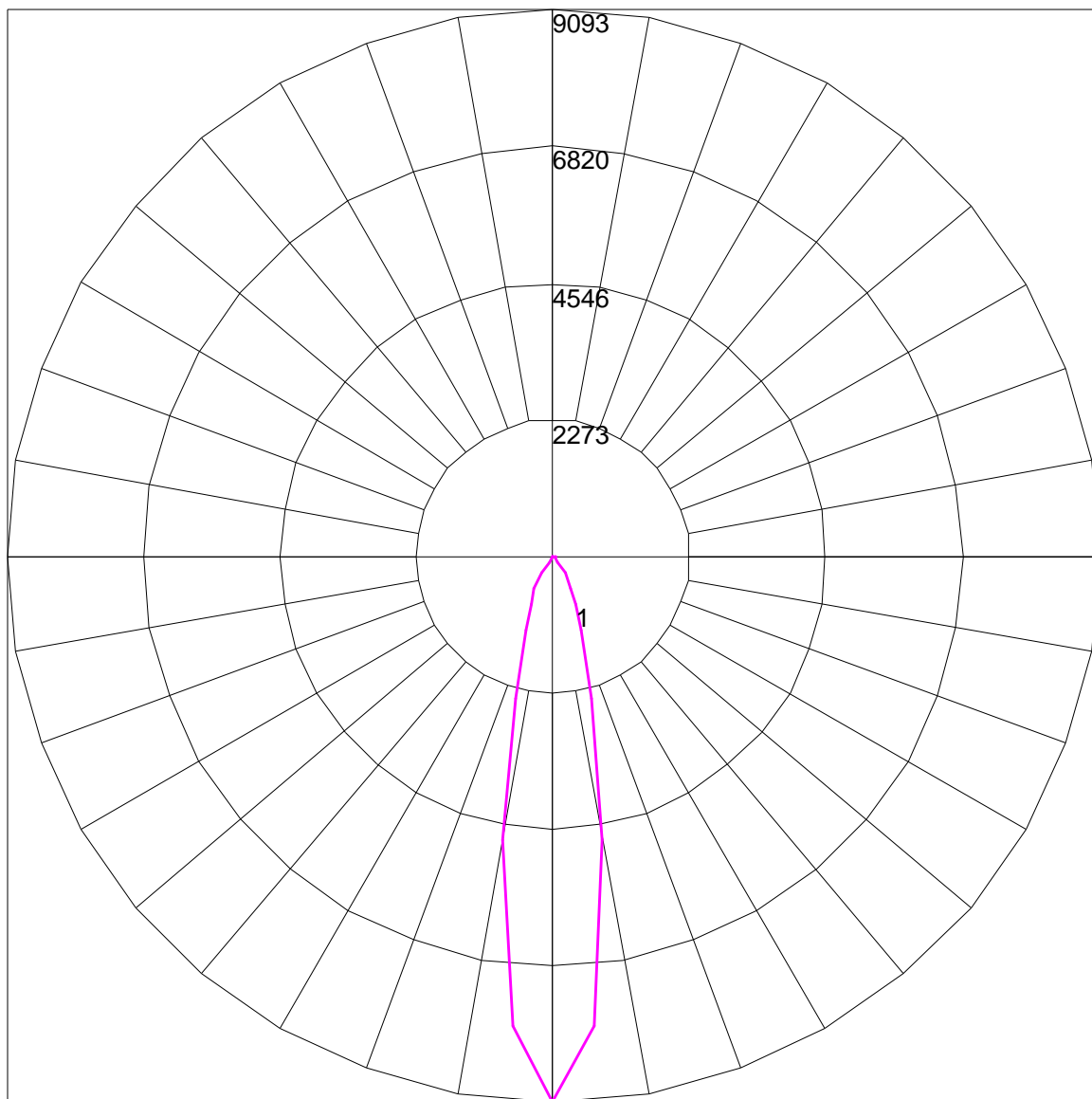
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87
4	102	96	92	89	101	95	91	88	93	90	87	91	88	86	90	87	85	84
5	99	92	87	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	95	88	84	80	94	88	83	80	86	82	79	85	82	79	84	81	78	77
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74
8	89	82	77	74	88	81	77	74	80	76	74	79	76	73	79	75	73	72
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	71	69
10	84	76	72	69	83	76	72	69	75	71	69	75	71	68	74	71	68	67

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POLAR GRAPH



Maximum Candela = 9092.867 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)