

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_8 ~ SR4MX-XT30LE1-RDD4X-XXK-MDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.8_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 3/13/2017
[UPDATE] 4/18/2017
[LUMCAT] SR4MRx-XT30L-E1-RDD4x-xxK-MD-MW-SO
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 29.5 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	2085
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)	0.52
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.56
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	8372	7931	8235
55	4423	4639	4716
65	3201	3273	3166
75	1765	1906	1756
85	2330	1571	1489

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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	5055.757	5055.757	5055.757	5055.757	5055.757
5	4695.630	4756.422	4755.470	4813.295	4789.382
10	3703.405	3795.423	3784.689	3873.321	3830.484
15	2572.863	2651.885	2626.714	2721.191	2680.617
20	1684.171	1731.414	1715.461	1783.170	1759.787
25	1128.522	1156.136	1148.663	1188.688	1178.151
30	750.750	773.757	769.877	800.037	787.562
35	386.182	413.674	408.642	432.647	416.804
40	131.108	140.048	139.714	148.209	139.340
45	56.971	54.638	53.970	58.096	56.040
50	34.131	33.952	33.097	36.165	35.570
55	24.415	25.060	25.608	25.160	26.034
60	18.371	17.628	19.395	19.987	18.932
65	13.018	13.006	13.310	13.110	12.875
70	7.678	8.039	8.134	9.826	9.184
75	4.396	4.423	4.748	4.784	4.375
80	1.932	2.108	2.483	2.336	1.898
85	1.954	1.662	1.318	1.868	1.249
90	0.971	0.359	1.232	0.466	1.364

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Zone	Lumens	%Lamp	%Fixt
0-20	1169.56	N.A.	56.10
0-30	1719.18	N.A.	82.40
0-40	1987.34	N.A.	95.30
0-60	2065.21	N.A.	99.00
0-80	2083.75	N.A.	99.90
0-90	2085.45	N.A.	100.00
10-90	1661.38	N.A.	79.70
20-40	817.78	N.A.	39.20
20-50	872.44	N.A.	41.80
40-70	91.14	N.A.	4.40
60-80	18.54	N.A.	0.90
70-80	5.27	N.A.	0.30
80-90	1.70	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	2085.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	424.08
10-20	745.49
20-30	549.62
30-40	268.16
40-50	54.65
50-60	23.21
60-70	13.28
70-80	5.27
80-90	1.70
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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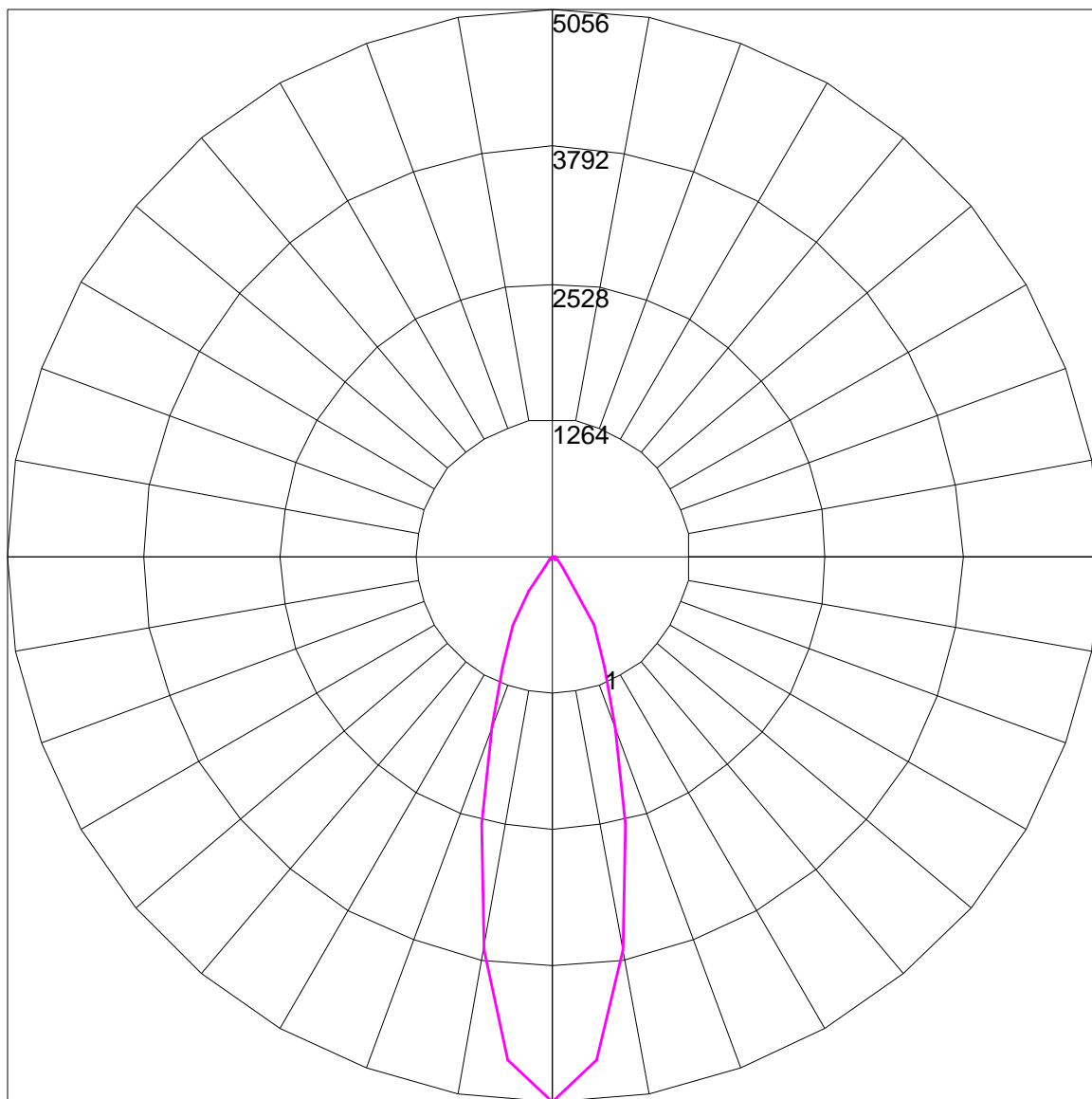
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	98	92	88	84	90	86	83	88	85	83	87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	69	65	62	68	64	62	60

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POLAR GRAPH



Maximum Candela = 5055.757 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)