

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_7 ~ SR4MX-XT30LE1-RDD4X-XXK-MDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.7_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/13/2017
[UPDATE] 4/26/2017
[LUMCAT] SR4MRx-XT30L-E1-RDD4x-xxK-MD-MW-GL
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, clear glass lens
[OTHER] 27 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	2141
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.50
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3855	3750	3639
55	3622	3839	3520
65	1159	1133	1390
75	925	920	1127
85	1208	1658	1716

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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	6033.920	6033.920	6033.920	6033.920	6033.920
5	5627.772	5667.034	5653.030	5711.312	5703.765
10	4244.121	4292.784	4254.529	4368.200	4372.304
15	2707.409	2756.076	2729.214	2833.998	2836.062
20	1653.622	1682.341	1664.529	1724.592	1721.410
25	1097.512	1118.873	1114.712	1138.991	1138.069
30	821.313	837.169	835.978	853.913	852.992
35	400.389	426.866	416.976	451.165	448.889
40	36.495	35.424	31.810	40.843	40.378
45	26.234	24.564	25.519	24.511	24.765
50	25.459	24.825	24.527	23.198	22.556
55	19.994	19.758	21.190	19.606	19.432
60	9.721	11.219	7.695	9.796	10.522
65	4.715	4.385	4.609	4.759	5.652
70	5.452	3.940	2.551	4.369	3.718
75	2.303	2.998	2.292	1.928	2.808
80	1.530	1.613	1.388	1.109	2.421
85	1.013	1.519	1.391	0.851	1.439
90	1.110	0.990	0.863	0.510	1.444

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Zone	Lumens	%Lamp	%Fixt
0-20	1284.67	N.A.	60.00
0-30	1828.13	N.A.	85.40
0-40	2093.13	N.A.	97.80
0-60	2130.97	N.A.	99.50
0-80	2139.37	N.A.	99.90
0-90	2140.71	N.A.	100.00
10-90	1643.72	N.A.	76.80
20-40	808.46	N.A.	37.80
20-50	829.81	N.A.	38.80
40-70	43.53	N.A.	2.00
60-80	8.40	N.A.	0.40
70-80	2.71	N.A.	0.10
80-90	1.34	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	2140.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	496.99
10-20	787.68
20-30	543.46
30-40	265.00
40-50	21.35
50-60	16.49
60-70	5.69
70-80	2.71
80-90	1.34
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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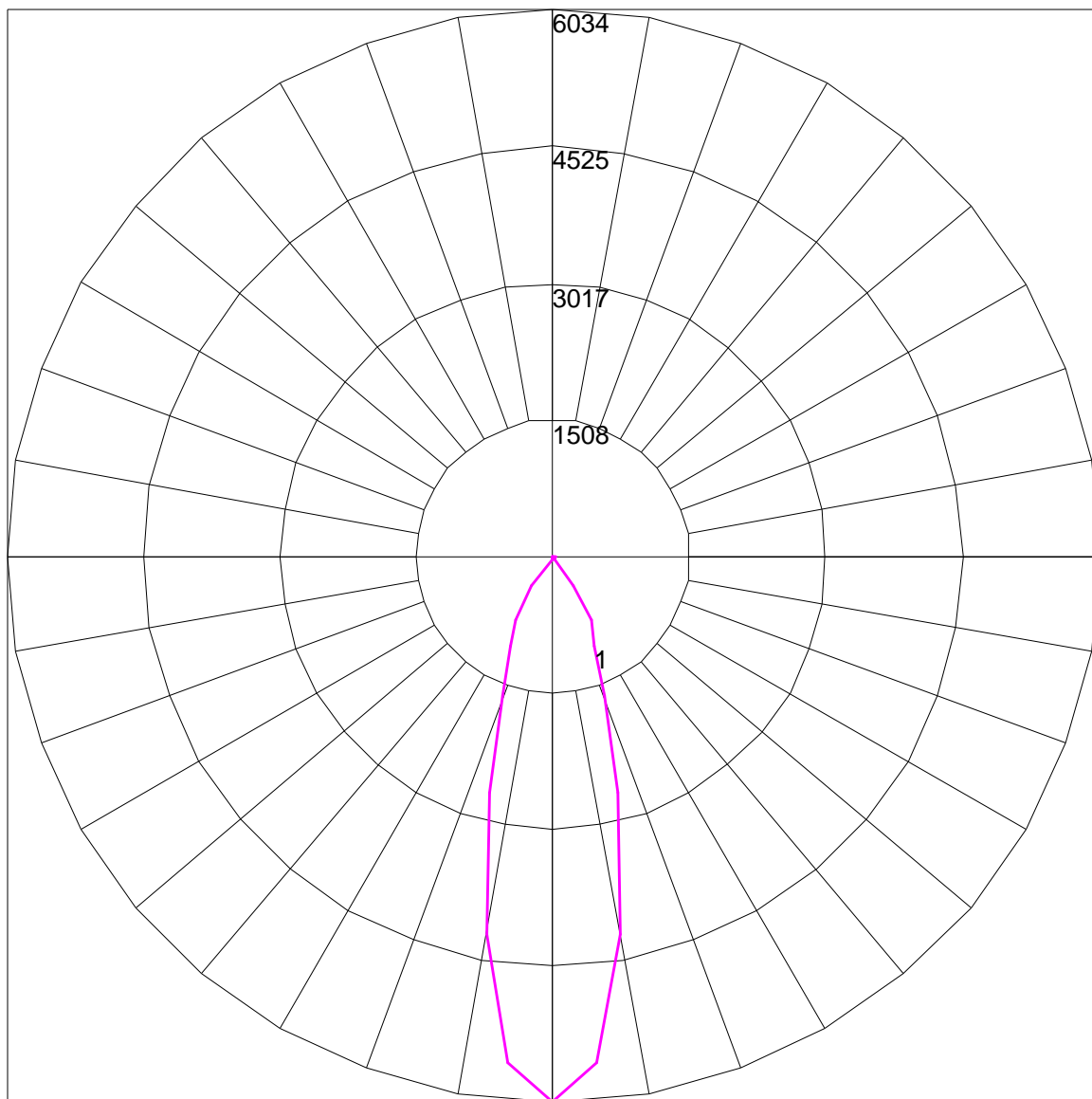
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	92	89	87	86
4	101	95	90	87	100	94	89	86	92	88	85	90	87	84	88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	75
7	90	82	77	74	89	82	77	74	81	76	73	79	76	73	78	75	73	71
8	87	79	74	71	86	78	74	70	77	73	70	76	73	70	76	72	70	68
9	84	76	71	68	83	75	71	67	74	70	67	74	70	67	73	69	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

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POLAR GRAPH



Maximum Candela = 6033.92 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)