

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP\_00548\_6 ~ SR4MX-XT30LE1-RDD4X-XXK-MDMWNL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00548.6\_M-30L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUE DATE] 3/13/2017  
 [UPDATE] 4/18/2017  
 [LUMCAT] SR4MRx-XT30L-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 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	2311
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	34.6
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-XT30LE1-RDD4X-XXK-MDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	789	543	653
55	828	412	803
65	797	698	580
75	666	820	435
85	1180	2556	1303

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_6 ~ SR4MX-XT30LE1-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>
<b>0</b>	6729.937	6729.937	6729.937	6729.937	6729.937
<b>5</b>	6284.961	6329.513	6226.368	6252.380	6174.411
<b>10</b>	4751.372	4830.390	4672.446	4716.830	4588.281
<b>15</b>	3045.913	3117.484	2979.960	3023.990	2903.425
<b>20</b>	1845.058	1879.866	1806.422	1832.396	1760.771
<b>25</b>	1239.883	1250.005	1216.939	1231.471	1192.679
<b>30</b>	936.313	940.496	922.776	926.252	901.896
<b>35</b>	513.298	526.753	471.178	479.580	430.189
<b>40</b>	32.843	36.186	20.816	20.396	8.676
<b>45</b>	5.366	4.230	3.697	4.928	4.445
<b>50</b>	2.591	3.873	3.533	4.274	3.459
<b>55</b>	4.568	2.311	2.276	3.501	4.432
<b>60</b>	3.022	3.363	2.893	2.540	2.834
<b>65</b>	3.243	3.277	2.839	2.327	2.358
<b>70</b>	2.125	2.759	2.523	1.467	2.243
<b>75</b>	1.660	1.636	2.042	1.538	1.083
<b>80</b>	1.530	0.721	0.920	1.100	1.373
<b>85</b>	0.990	1.225	2.144	0.627	1.093
<b>90</b>	0.730	0.724	0.932	0.378	1.321

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Zone	Lumens	%Lamp	%Fixt
0-20	1407.72	N.A.	60.90
0-30	2001.39	N.A.	86.60
0-40	2295.08	N.A.	99.30
0-60	2304.97	N.A.	99.80
0-80	2309.38	N.A.	99.90
0-90	2310.56	N.A.	100.00
10-90	1762.42	N.A.	76.30
20-40	887.35	N.A.	38.40
20-50	894.36	N.A.	38.70
40-70	12.57	N.A.	0.50
60-80	4.41	N.A.	0.20
70-80	1.74	N.A.	0.10
80-90	1.18	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	2310.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	548.14
10-20	859.58
20-30	593.66
30-40	293.69
40-50	7.01
50-60	2.89
60-70	2.67
70-80	1.74
80-90	1.18
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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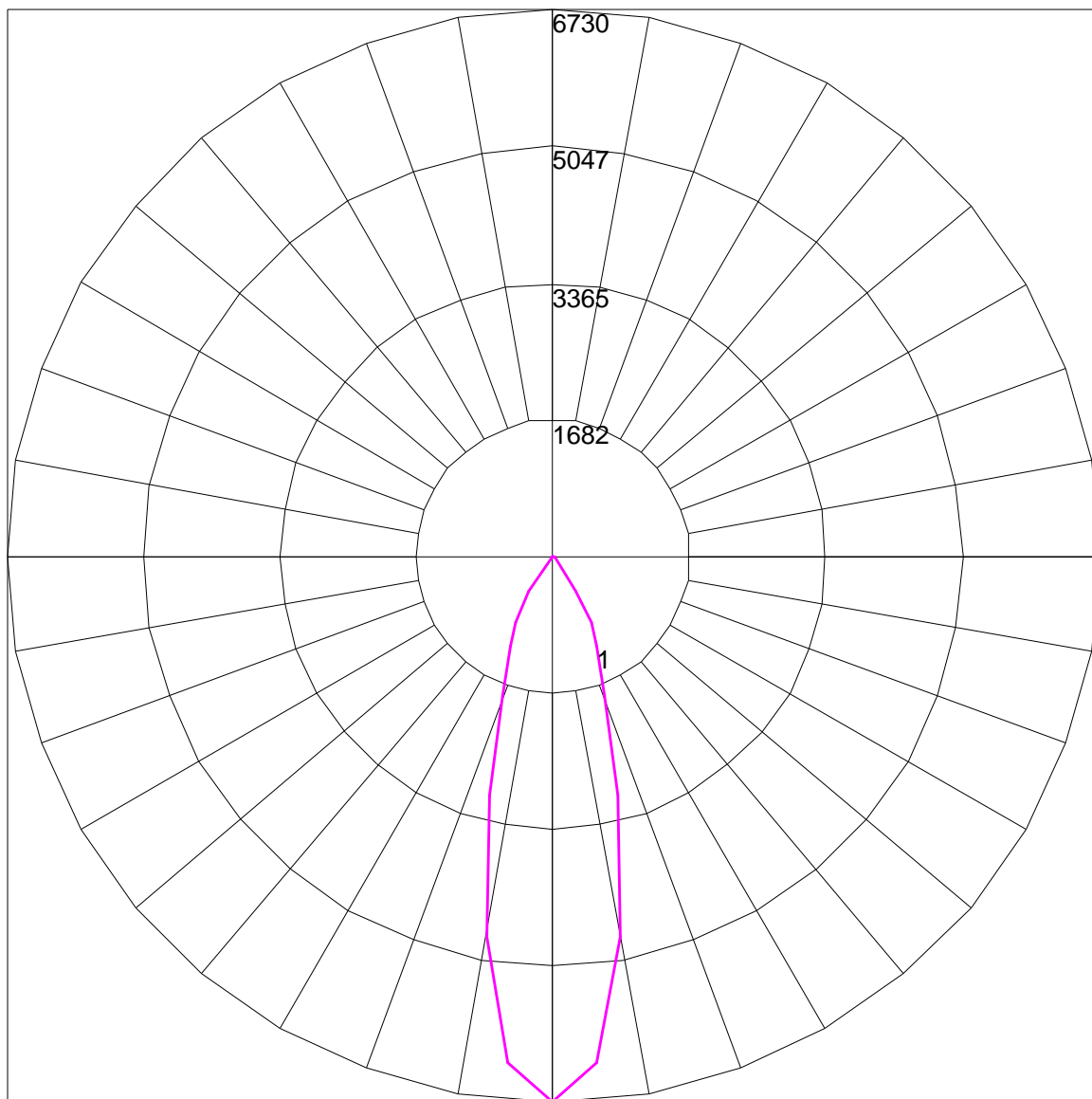
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	98	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	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	84	82	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	89	82	78	75	81	77	74	80	77	74	79	76	73	72
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69
9	84	76	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 = 6729.937 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)