

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_10 ~ SR4MX-XT30LE1-RDD4X-XXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00548.10\_M-30L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 3/13/2017  
[UPDATE] 4/13/2017  
[LUMCAT] SR4MRx-XT30L-E1-RDD4x-xxK-WD-MW-GL  
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Wide Beam  
[OTHER] Matte White Trim, Clear Glass lens  
[OTHER] 39.2 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	2125
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.66
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\_10 ~ SR4MX-XT30LE1-RDD4X-XXK-WDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5245	5297	5224
55	3575	3244	3221
65	1465	1484	1174
75	985	1092	941
85	1360	1720	1656

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	3974.985	3974.985	3974.985	3974.985	3974.985
<b>5</b>	3875.149	3890.212	3875.298	3884.279	3854.632
<b>10</b>	3481.533	3509.793	3482.763	3502.326	3459.442
<b>15</b>	2864.856	2900.371	2862.090	2905.736	2848.143
<b>20</b>	2070.200	2090.926	2041.286	2075.624	2011.555
<b>25</b>	1348.763	1360.509	1326.262	1345.990	1298.238
<b>30</b>	922.475	939.065	913.141	931.835	896.436
<b>35</b>	437.129	449.302	421.050	448.949	408.221
<b>40</b>	57.980	59.275	57.259	61.931	55.700
<b>45</b>	35.694	34.899	36.043	37.741	35.550
<b>50</b>	26.470	25.914	26.409	26.229	27.442
<b>55</b>	19.735	18.388	17.909	19.408	17.778
<b>60</b>	9.809	8.899	8.050	8.556	5.690
<b>65</b>	5.958	5.430	6.036	5.639	4.773
<b>70</b>	4.395	4.987	3.876	3.716	3.843
<b>75</b>	2.454	3.104	2.720	2.479	2.345
<b>80</b>	1.896	1.575	1.514	1.239	2.571
<b>85</b>	1.141	1.410	1.443	1.813	1.389
<b>90</b>	0.747	0.693	0.999	0.448	0.885

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Zone	Lumens	%Lamp	%Fixt
0-20	1142.95	N.A.	53.80
0-30	1785.99	N.A.	84.00
0-40	2068.57	N.A.	97.30
0-60	2114.77	N.A.	99.50
0-80	2123.58	N.A.	99.90
0-90	2125.04	N.A.	100.00
10-90	1767.5	N.A.	83.20
20-40	925.62	N.A.	43.60
20-50	955.81	N.A.	45.00
40-70	52.07	N.A.	2.50
60-80	8.81	N.A.	0.40
70-80	2.95	N.A.	0.10
80-90	1.46	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	2125.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	357.54
10-20	785.42
20-30	643.04
30-40	282.58
40-50	30.19
50-60	16.01
60-70	5.87
70-80	2.95
80-90	1.46
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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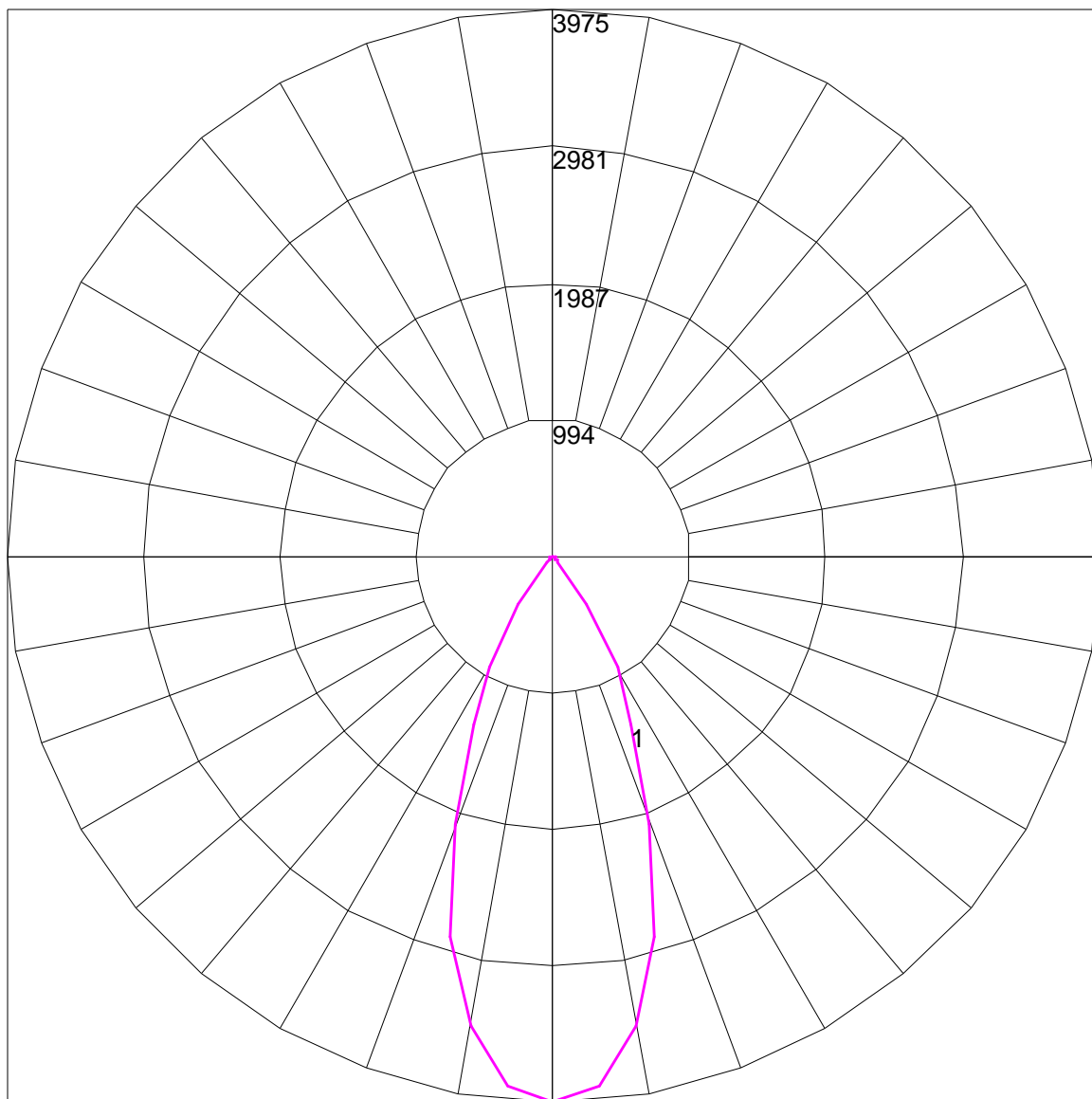
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	93	90	95	92	89	93	90	87	90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	80
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59

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POLAR GRAPH



Maximum Candela = 3974.985 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)