

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_12 ~ SR4MX-XT30LE1-RDD4X-XXK-XWMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00548.12\_M-30L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 3/13/2017  
[UPDATE] 4/18/2017  
[LUMCAT] SR4MRx-XT30L-E1-RDD4x-xxK-XW-MW-NL  
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Xtra Wide Beam  
[OTHER] Matte White Trim, no lens  
[OTHER] 61.7 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	2337
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.98
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	0.92
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\_12 ~ SR4MX-XT30LE1-RDD4X-XXK-XWMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5604	5790	6332
55	907	670	805
65	698	739	861
75	920	845	1041
85	1782	1862	1433

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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>	2651.708	2651.708	2651.708	2651.708	2651.708
<b>5</b>	2610.511	2618.544	2618.650	2625.183	2627.377
<b>10</b>	2499.667	2512.637	2508.320	2510.258	2499.088
<b>15</b>	2356.263	2370.098	2363.293	2359.900	2343.097
<b>20</b>	2143.402	2160.186	2148.289	2149.173	2125.787
<b>25</b>	1872.400	1886.501	1874.703	1883.557	1863.467
<b>30</b>	1480.362	1513.264	1478.763	1515.552	1486.340
<b>35</b>	812.614	845.091	815.229	873.468	846.553
<b>40</b>	171.054	184.883	180.297	195.036	188.527
<b>45</b>	38.136	42.228	39.403	46.217	43.092
<b>50</b>	10.938	11.239	10.183	12.652	12.822
<b>55</b>	5.007	4.360	3.699	5.034	4.445
<b>60</b>	3.828	4.130	3.353	3.818	4.068
<b>65</b>	2.840	2.786	3.005	3.621	3.503
<b>70</b>	2.299	3.002	2.327	2.527	2.730
<b>75</b>	2.292	2.217	2.105	2.274	2.593
<b>80</b>	1.685	1.641	1.763	1.897	1.922
<b>85</b>	1.495	1.799	1.562	1.203	1.202
<b>90</b>	0.820	0.796	0.604	0.532	1.071

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Zone	Lumens	%Lamp	%Fixt
0-20	906.85	N.A.	38.80
0-30	1756.35	N.A.	75.20
0-40	2271.88	N.A.	97.20
0-60	2330.14	N.A.	99.70
0-80	2335.63	N.A.	99.90
0-90	2337.12	N.A.	100.00
10-90	2090.65	N.A.	89.50
20-40	1365.03	N.A.	58.40
20-50	1417.91	N.A.	60.70
40-70	61.41	N.A.	2.60
60-80	5.49	N.A.	0.20
70-80	2.35	N.A.	0.10
80-90	1.49	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	2337.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	246.47
10-20	660.38
20-30	849.50
30-40	515.53
40-50	52.88
50-60	5.38
60-70	3.14
70-80	2.35
80-90	1.49
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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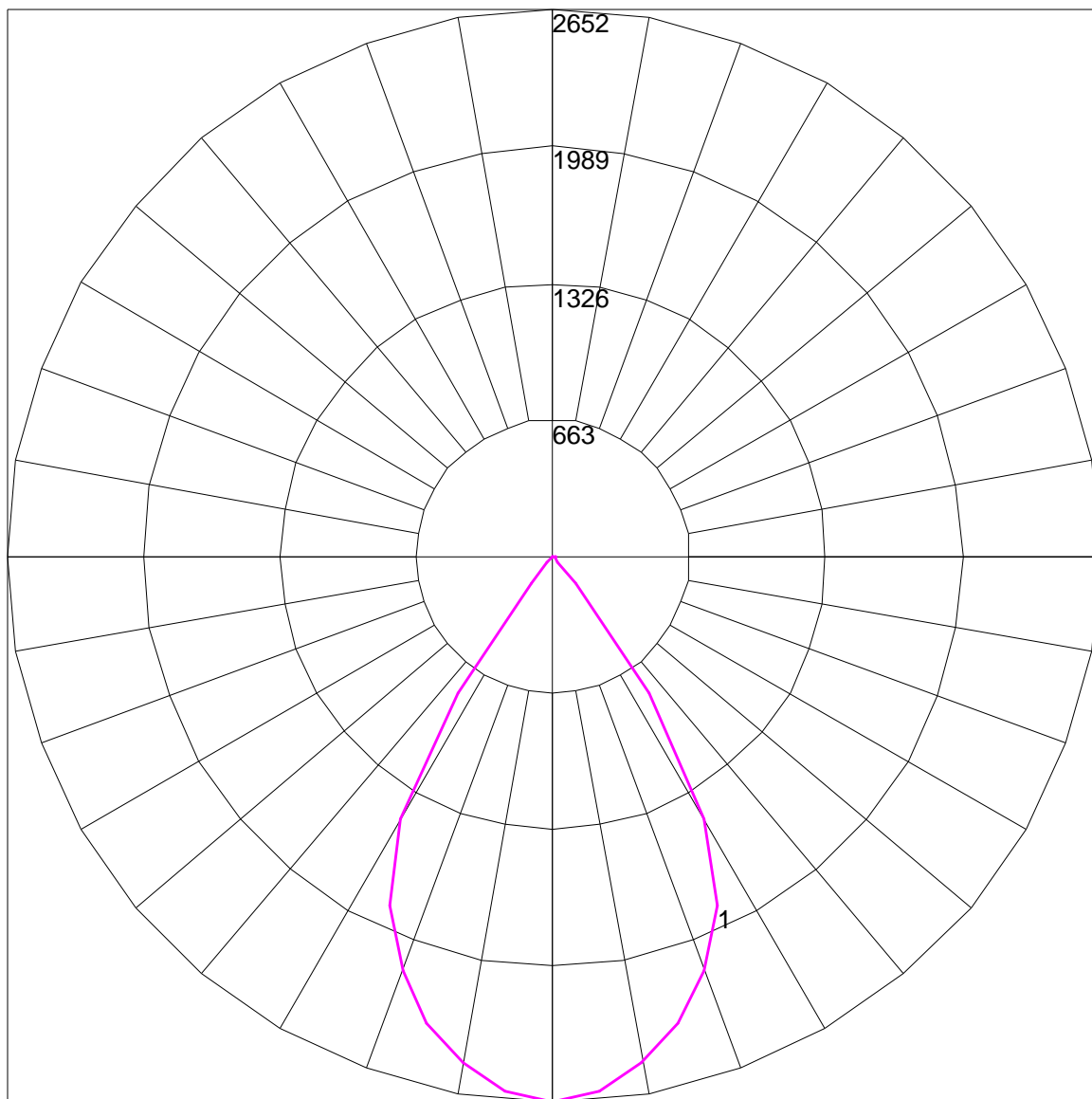
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	86	82	79	84	81	78	77
5	93	85	80	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	80	71	65	61	79	71	65	61	70	65	61	69	64	61	68	63	60	59
9	77	67	62	58	76	67	61	58	66	61	57	65	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52

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POLAR GRAPH



Maximum Candela = 2651.708 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)