

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_14 ~ SR4MX-XT30LE1-RDD4X-XXK-XWMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00548.14\_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-SO  
[LUMINAIRE] Nom. 4" Round Downlight, Deep Profile, Xtra Wide Beam  
[OTHER] Matte White Trim, Solite lens  
[OTHER] 59.1 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	2127
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)	0.92
Spacing Criterion (90-270)	0.94
Spacing Criterion (Diagonal)	0.88
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\_14 ~ SR4MX-XT30LE1-RDD4X-XXK-XWMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14724	16845	16412
55	5869	6267	6130
65	3897	3548	3747
75	1935	2035	1866
85	1934	1538	1960

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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>	2421.551	2421.551	2421.551	2421.551	2421.551
<b>5</b>	2366.985	2369.646	2376.588	2385.159	2384.132
<b>10</b>	2254.723	2272.687	2281.294	2294.135	2295.491
<b>15</b>	2103.157	2130.066	2140.413	2157.948	2154.732
<b>20</b>	1887.602	1924.809	1932.833	1955.066	1939.033
<b>25</b>	1572.034	1619.182	1617.737	1645.896	1621.791
<b>30</b>	1122.910	1175.958	1170.889	1194.676	1161.608
<b>35</b>	597.936	641.028	637.803	662.484	634.901
<b>40</b>	237.341	262.852	267.883	290.028	272.884
<b>45</b>	100.197	112.078	114.629	120.877	111.683
<b>50</b>	50.802	55.601	56.769	58.714	55.052
<b>55</b>	32.398	34.354	34.593	36.160	33.835
<b>60</b>	21.431	23.101	23.473	24.302	22.111
<b>65</b>	15.848	16.482	14.432	17.123	15.240
<b>70</b>	9.474	10.218	10.896	10.300	9.509
<b>75</b>	4.819	4.901	5.069	5.306	4.649
<b>80</b>	2.454	2.951	2.126	2.383	2.963
<b>85</b>	1.622	1.982	1.290	1.570	1.644
<b>90</b>	1.134	0.899	0.985	0.657	1.232

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Zone	Lumens	%Lamp	%Fixt
0-20	821.67	N.A.	38.60
0-30	1547.34	N.A.	72.70
0-40	1965.49	N.A.	92.40
0-60	2103.55	N.A.	98.90
0-80	2125.65	N.A.	99.90
0-90	2127.48	N.A.	100.00
10-90	1903.51	N.A.	89.50
20-40	1143.82	N.A.	53.80
20-50	1248.84	N.A.	58.70
40-70	154.16	N.A.	7.20
60-80	22.11	N.A.	1.00
70-80	6.00	N.A.	0.30
80-90	1.83	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	2127.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	223.98
10-20	597.70
20-30	725.67
30-40	418.15
40-50	105.02
50-60	33.03
60-70	16.11
70-80	6.00
80-90	1.83
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

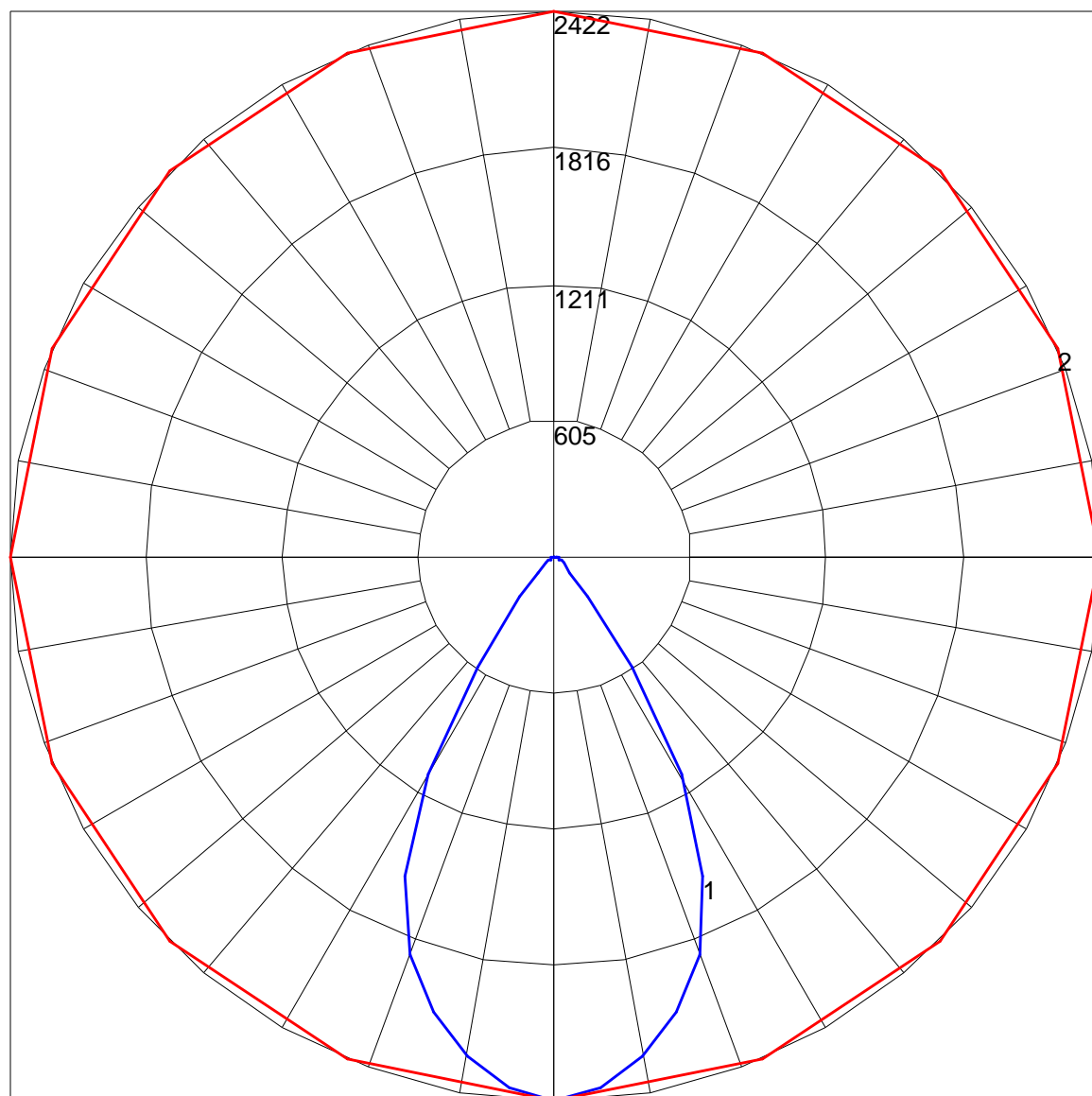
Effective Floor Cavity Reflectance 0.20

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	98	94	98	95	92	95	93	90	92	90	88	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	66
7	83	74	68	64	82	74	68	64	72	67	63	71	67	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	60	56	53	60	55	52	51

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## POLAR GRAPH



Maximum Candela = 2421.551 Located At Horizontal Angle = 0, Vertical Angle = 0

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)