

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_3 ~ SR4MX-XT30LE1-RDD4X-XXK-NDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00548.3\_M-30L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 3/13/2017  
[UPDATE] 4/18/2017  
[LUMCAT] SR4MRx-XT30L-E1-RDD4x-xxK-ND-MW-NL  
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Narrow Beam  
[OTHER] Matte White Trim, No lens  
[OTHER] 16.1 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	2327
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)	0.30
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.32
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\_3 ~ SR4MX-XT30LE1-RDD4X-XXK-NDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	722	627	745
55	391	440	373
65	548	687	445
75	713	447	544
85	1830	1511	1496

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_3 ~ SR4MX-XT30LE1-RDD4X-XXK-NDMWNL.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>	14174.202	14174.202	14174.202	14174.202	14174.202
<b>5</b>	11479.798	11814.854	11497.470	11672.424	11331.882
<b>10</b>	5230.721	5494.393	5182.798	5391.184	5136.417
<b>15</b>	2137.979	2223.656	2122.702	2207.435	2139.580
<b>20</b>	1127.639	1160.398	1141.207	1172.180	1167.018
<b>25</b>	868.274	874.661	867.082	881.152	873.109
<b>30</b>	776.787	777.588	773.597	777.621	776.251
<b>35</b>	431.959	449.219	420.474	435.326	422.362
<b>40</b>	37.992	45.783	29.446	41.916	31.430
<b>45</b>	4.910	3.688	4.264	3.828	5.073
<b>50</b>	3.919	2.716	3.307	2.183	2.187
<b>55</b>	2.158	3.027	2.428	4.881	2.059
<b>60</b>	4.081	4.253	2.479	2.947	3.104
<b>65</b>	2.230	1.436	2.793	2.440	1.811
<b>70</b>	2.144	2.505	2.046	1.910	2.772
<b>75</b>	1.776	1.756	1.113	2.056	1.356
<b>80</b>	1.484	1.990	1.814	1.491	1.218
<b>85</b>	1.535	1.489	1.267	1.346	1.255
<b>90</b>	1.478	0.338	1.110	1.304	0.697

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_3 ~ SR4MX-XT30LE1-RDD4X-XXK-NDMWNL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1631.42	N.A.	70.10
0-30	2052.97	N.A.	88.20
0-40	2309.64	N.A.	99.20
0-60	2321.64	N.A.	99.80
0-80	2325.97	N.A.	99.90
0-90	2327.44	N.A.	100.00
10-90	1414.39	N.A.	60.80
20-40	678.22	N.A.	29.10
20-50	687.44	N.A.	29.50
40-70	14.45	N.A.	0.60
60-80	4.34	N.A.	0.20
70-80	1.89	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	2327.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	913.04
10-20	718.38
20-30	421.55
30-40	256.67
40-50	9.22
50-60	2.77
60-70	2.45
70-80	1.89
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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP\_00548\_3 ~ SR4MX-XT30LE1-RDD4X-XXK-NDMWNL.IES

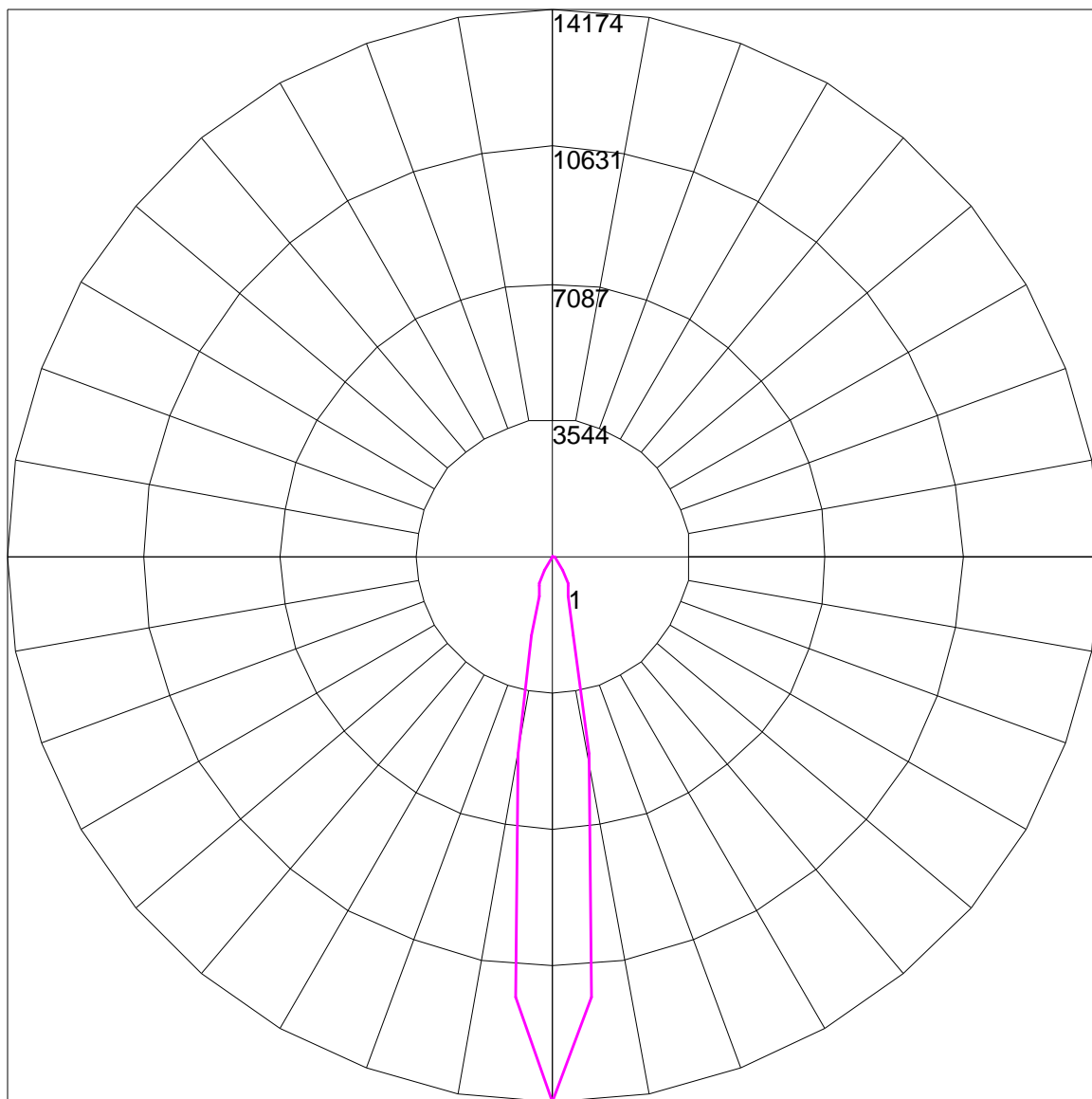
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	101	109	106	103	100	102	100	98	100	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	81	78	91	84	80	77	83	80	77	83	79	77	82	79	77	76
9	89	82	78	75	88	82	78	75	81	77	75	80	77	75	80	77	74	73
10	87	80	76	73	86	79	75	73	79	75	73	78	75	72	78	74	72	71

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP\_00548\_3 ~ SR4MX-XT30LE1-RDD4X-XXK-NDMWNL.IES

POLAR GRAPH



Maximum Candela = 14174.202 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)