

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP\_00548\_5 ~ SR4MX-XT10LE1-RDD4X-XXK-NDMWSO.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00548.5\_M-10L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 3/13/2017  
 [UPDATE] 4/18/2017  
 [LUMCAT] SR4MRx-XT10L-E1-RDD4x-xxK-ND-MW-SO  
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Narrow Beam  
 [OTHER] Matte White Trim, Solite lens  
 [OTHER] 19.9 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 New Construction IC Rated Housing: SR4MI-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	400
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	36
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.28
Spacing Criterion (90-270)	0.28
Spacing Criterion (Diagonal)	0.28
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\_5 ~ SR4MX-XT10LE1-RDD4X-XXK-NDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1195	1106	1250
55	576	616	742
65	337	356	357
75	176	277	289
85	371	444	511

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00548\_5 ~ SR4MX-XT10LE1-RDD4X-XXK-NDMWSO.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>	2952.672	2952.672	2952.672	2952.672	2952.672
<b>5</b>	2239.277	2082.511	2188.264	2199.100	2284.859
<b>10</b>	981.150	809.153	891.311	932.793	941.112
<b>15</b>	355.436	280.077	312.331	349.475	327.326
<b>20</b>	174.639	158.543	164.227	172.983	170.124
<b>25</b>	139.242	136.262	136.365	136.853	138.035
<b>30</b>	115.236	110.399	110.994	109.183	108.851
<b>35</b>	64.243	58.856	61.745	58.808	60.823
<b>40</b>	22.435	19.752	20.558	18.938	22.220
<b>45</b>	8.133	6.833	7.529	8.140	8.504
<b>50</b>	4.702	3.963	4.578	5.010	4.893
<b>55</b>	3.177	2.788	3.402	3.282	4.094
<b>60</b>	2.305	2.065	2.198	2.026	2.255
<b>65</b>	1.370	1.419	1.449	1.746	1.453
<b>70</b>	0.975	1.131	1.320	1.217	1.254
<b>75</b>	0.438	0.824	0.689	0.641	0.719
<b>80</b>	0.443	0.501	0.505	0.387	0.494
<b>85</b>	0.311	0.248	0.372	0.443	0.429
<b>90</b>	0.180	0.205	0.265	0.224	0.331

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Zone	Lumens	%Lamp	%Fixt
0-20	284.17	N.A.	71.10
0-30	347.41	N.A.	87.00
0-40	386.10	N.A.	96.60
0-60	396.75	N.A.	99.30
0-80	399.12	N.A.	99.90
0-90	399.51	N.A.	100.00
10-90	227.88	N.A.	57.00
20-40	101.93	N.A.	25.50
20-50	109.62	N.A.	27.40
40-70	12.22	N.A.	3.10
60-80	2.37	N.A.	0.60
70-80	0.80	N.A.	0.20
80-90	0.39	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	399.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	171.63
10-20	112.54
20-30	63.24
30-40	38.70
40-50	7.69
50-60	2.96
60-70	1.57
70-80	0.80
80-90	0.39
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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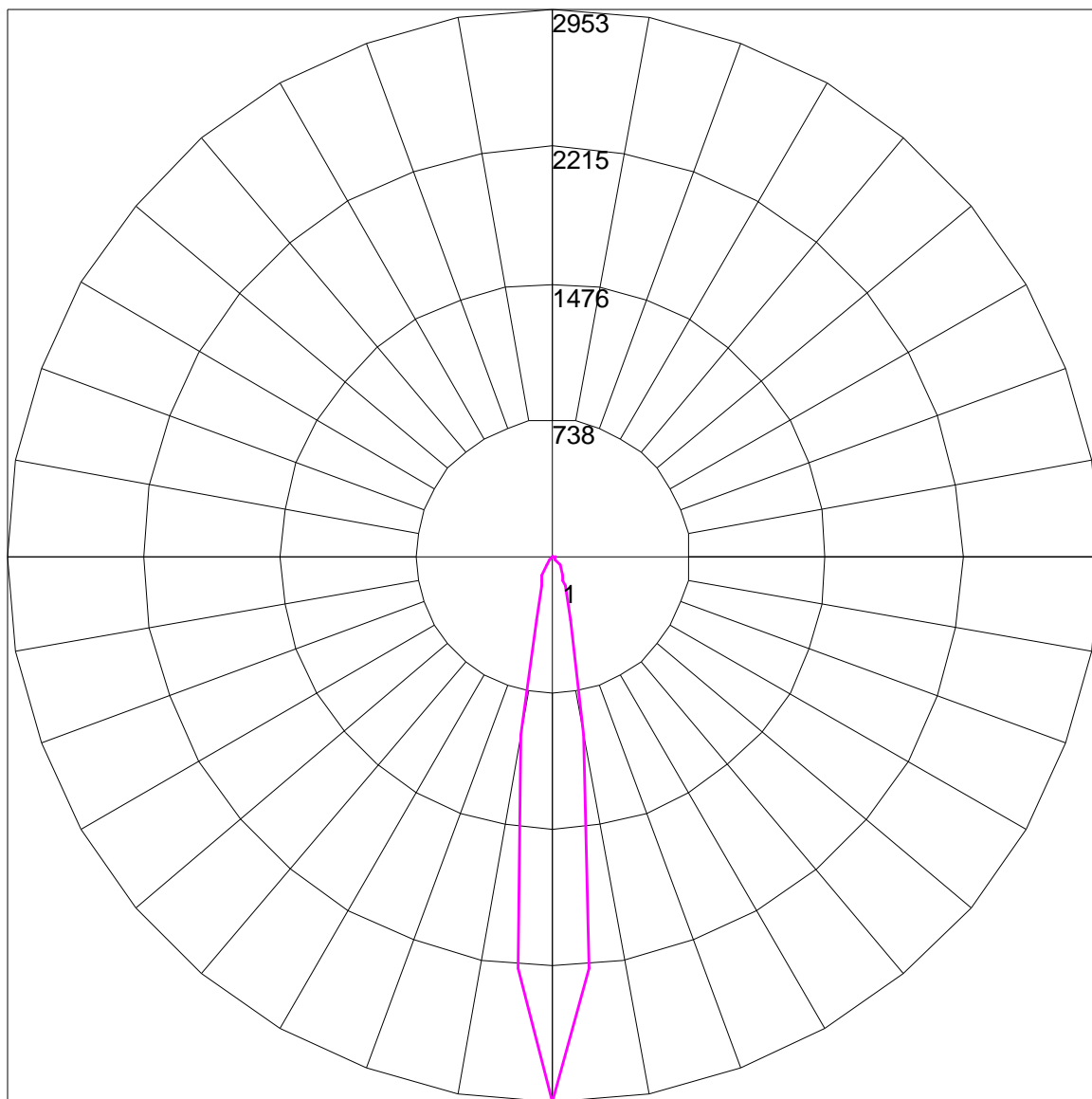
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89
4	103	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	83	80	85	82	80	84	81	79	78
8	92	85	81	78	91	85	81	78	84	80	77	83	80	77	82	79	77	76
9	89	83	78	76	89	82	78	75	81	78	75	81	77	75	80	77	75	74
10	87	80	76	74	86	80	76	73	79	76	73	79	75	73	78	75	73	72

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POLAR GRAPH



Maximum Candela = 2952.672 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)