

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_39 ~ SR3DMX-XT10LE1-RDD3X-XXK-NDMWNL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_39\_M-10L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/15/2017  
 [UPDATE] 4/26/2017  
 [LUMCAT] SR3DMx-XT10L-E1-RDD3x-xxK-ND-MW-NL  
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Narrow Beam  
 [OTHER] Matte White Trim, No Lens  
 [OTHER] 22.8 Degree Beam Angle  
 [LAMP] N/A, 19mm  
 [LAMPCAT] N/A, Min. 83 CRI  
 [OTHER] Total Luminaire Watts is approximate  
 [OTHER] For New Construction Non-IC Housing: SR3DMO-XT-series  
 [OTHER] For New Construction IC Rated Housing: SR3DMI-XT-Series  
 [OTHER] For Remodel/Retrofit Housing: SR3DMR-XT-Series  
 [OTHER] For RDD3F or RDD3N Downlight Trim  
 [OTHER] LEDXT lumen output is the same for all available CCT's  
 [OTHER] This report prepared by Spectrum Lighting, scaled from 20L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1120
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.52
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.29 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_39 ~ SR3DMX-XT10LE1-RDD3X-XXK-NDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1563	2401	1563
55	1338	1972	1338
65	1606	2672	1606
75	914	1587	914
85	1714	1929	1714

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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>	3280.750	3280.750	3280.750	3280.750	3280.750
<b>5</b>	3003.424	3166.674	3279.588	3166.674	3003.424
<b>10</b>	2058.985	2424.251	2697.564	2424.251	2058.985
<b>15</b>	1215.485	1385.783	1518.108	1385.783	1215.485
<b>20</b>	840.566	936.307	1000.323	936.307	840.566
<b>25</b>	571.892	654.667	700.447	654.667	571.892
<b>30</b>	343.661	413.873	449.565	413.873	343.661
<b>35</b>	99.487	159.475	197.188	159.475	99.487
<b>40</b>	8.465	11.802	20.383	11.802	8.465
<b>45</b>	6.882	8.836	10.572	8.836	6.882
<b>50</b>	6.622	7.531	8.161	7.531	6.622
<b>55</b>	4.778	5.763	7.045	5.763	4.778
<b>60</b>	6.563	6.304	6.657	6.304	6.563
<b>65</b>	4.226	6.085	7.031	6.085	4.226
<b>70</b>	2.926	3.872	4.671	3.872	2.926
<b>75</b>	1.473	1.807	2.557	1.807	1.473
<b>80</b>	1.050	1.401	1.598	1.401	1.050
<b>85</b>	0.930	0.897	1.047	0.897	0.930
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	689.68	N.A.	61.60
0-30	987.70	N.A.	88.20
0-40	1097.91	N.A.	98.10
0-60	1110.98	N.A.	99.20
0-80	1118.8	N.A.	99.90
0-90	1119.69	N.A.	100.00
10-90	844.03	N.A.	75.40
20-40	408.23	N.A.	36.50
20-50	415.56	N.A.	37.10
40-70	18.52	N.A.	1.70
60-80	7.83	N.A.	0.70
70-80	2.38	N.A.	0.20
80-90	0.88	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	1119.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	275.66
10-20	414.02
20-30	298.02
30-40	110.20
40-50	7.34
50-60	5.73
60-70	5.45
70-80	2.38
80-90	0.88
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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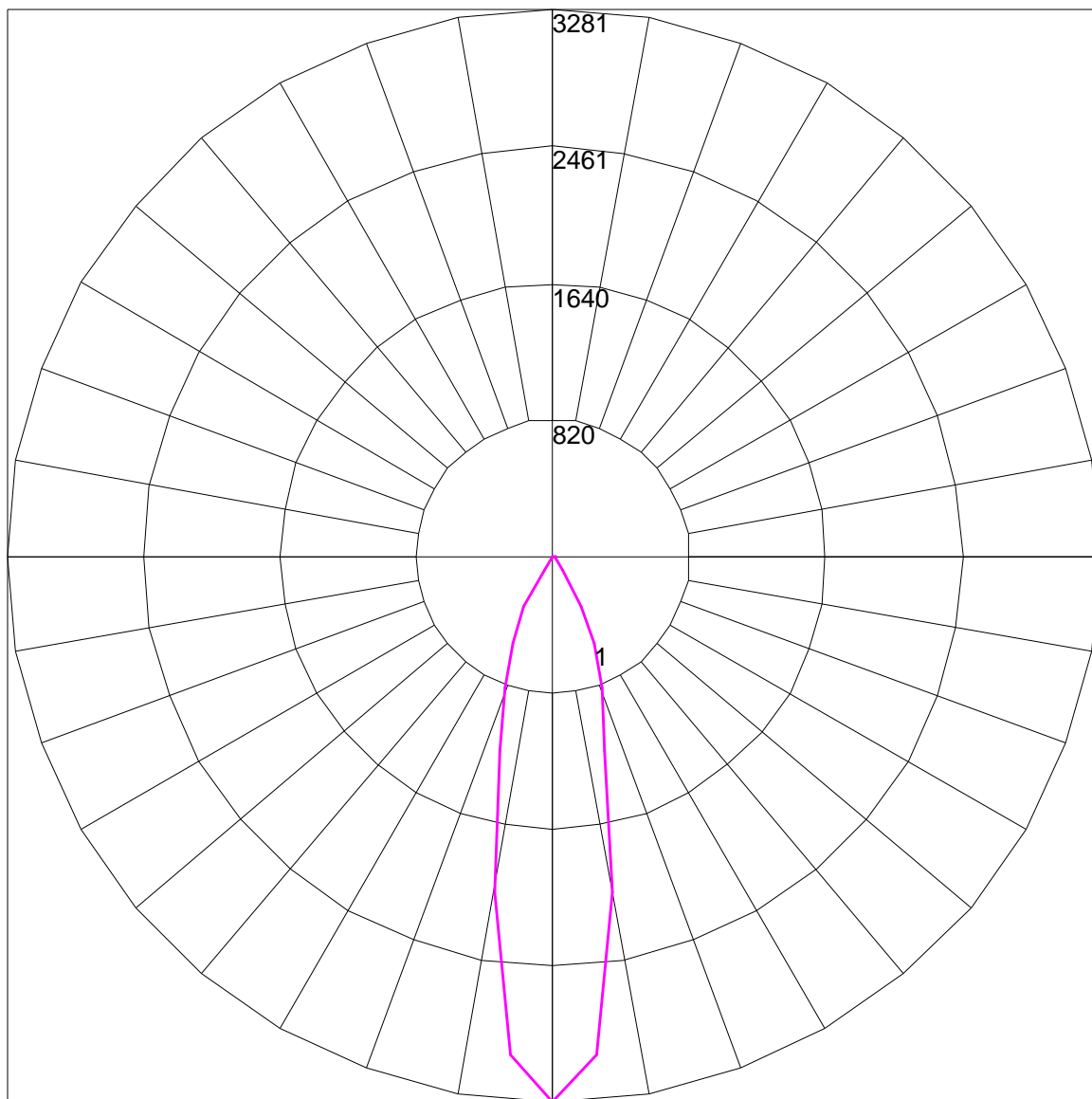
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	83	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	87	79	75	72	78	74	71	77	74	71	77	73	71	70
9	85	77	72	69	84	76	72	69	75	71	68	75	71	68	74	71	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	71	68	66	64

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POLAR GRAPH



Maximum Candela = 3280.75 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)