

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_40 ~ SR3DMX-XT13LE1-RDD3X-XXK-NDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00545\_40\_M-13L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 2/15/2017  
[UPDATE] 4/26/2017  
[LUMCAT] SR3DMx-XT13L-E1-RDD3x-xxK-ND-MW-SO  
[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Narrow Beam  
[OTHER] Matte White Trim, Solite Lens  
[OTHER] 24.6 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	1168
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.44
Spacing Criterion (Diagonal)	0.48
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\_40 ~ SR3DMX-XT13LE1-RDD3X-XXK-NDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6806	6672	6496
55	5012	5235	4805
65	3563	4302	4494
75	2415	1638	1791
85	2823	2460	2242

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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>	3716.424	3716.424	3716.424	3716.424	3716.424
<b>5</b>	3399.112	3390.956	3386.935	3377.615	3366.296
<b>10</b>	2345.763	2368.351	2390.390	2384.525	2358.037
<b>15</b>	1410.128	1439.323	1461.492	1478.026	1467.343
<b>20</b>	928.569	942.339	958.589	973.043	973.498
<b>25</b>	625.260	634.653	643.302	649.657	651.867
<b>30</b>	350.135	359.405	366.101	372.755	373.272
<b>35</b>	114.230	121.554	128.188	129.724	128.404
<b>40</b>	40.822	44.229	43.452	43.990	45.455
<b>45</b>	29.967	30.105	29.379	30.325	28.604
<b>50</b>	22.987	23.003	23.460	23.266	22.366
<b>55</b>	17.901	19.004	18.700	17.989	17.161
<b>60</b>	11.501	14.492	13.160	13.793	14.761
<b>65</b>	9.378	10.332	11.322	9.666	11.827
<b>70</b>	6.187	6.219	7.233	5.548	6.185
<b>75</b>	3.892	2.434	2.640	3.077	2.887
<b>80</b>	2.099	2.546	2.062	1.482	1.659
<b>85</b>	1.532	1.375	1.335	1.018	1.217
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	716.64	N.A.	61.40
0-30	1011.6	N.A.	86.60
0-40	1111.96	N.A.	95.20
0-60	1152.64	N.A.	98.70
0-80	1166.46	N.A.	99.90
0-90	1167.69	N.A.	100.00
10-90	876.81	N.A.	75.10
20-40	395.32	N.A.	33.90
20-50	419.61	N.A.	35.90
40-70	50.79	N.A.	4.30
60-80	13.82	N.A.	1.20
70-80	3.70	N.A.	0.30
80-90	1.24	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	1167.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	290.88
10-20	425.76
20-30	294.96
30-40	100.36
40-50	24.29
50-60	16.39
60-70	10.11
70-80	3.70
80-90	1.24
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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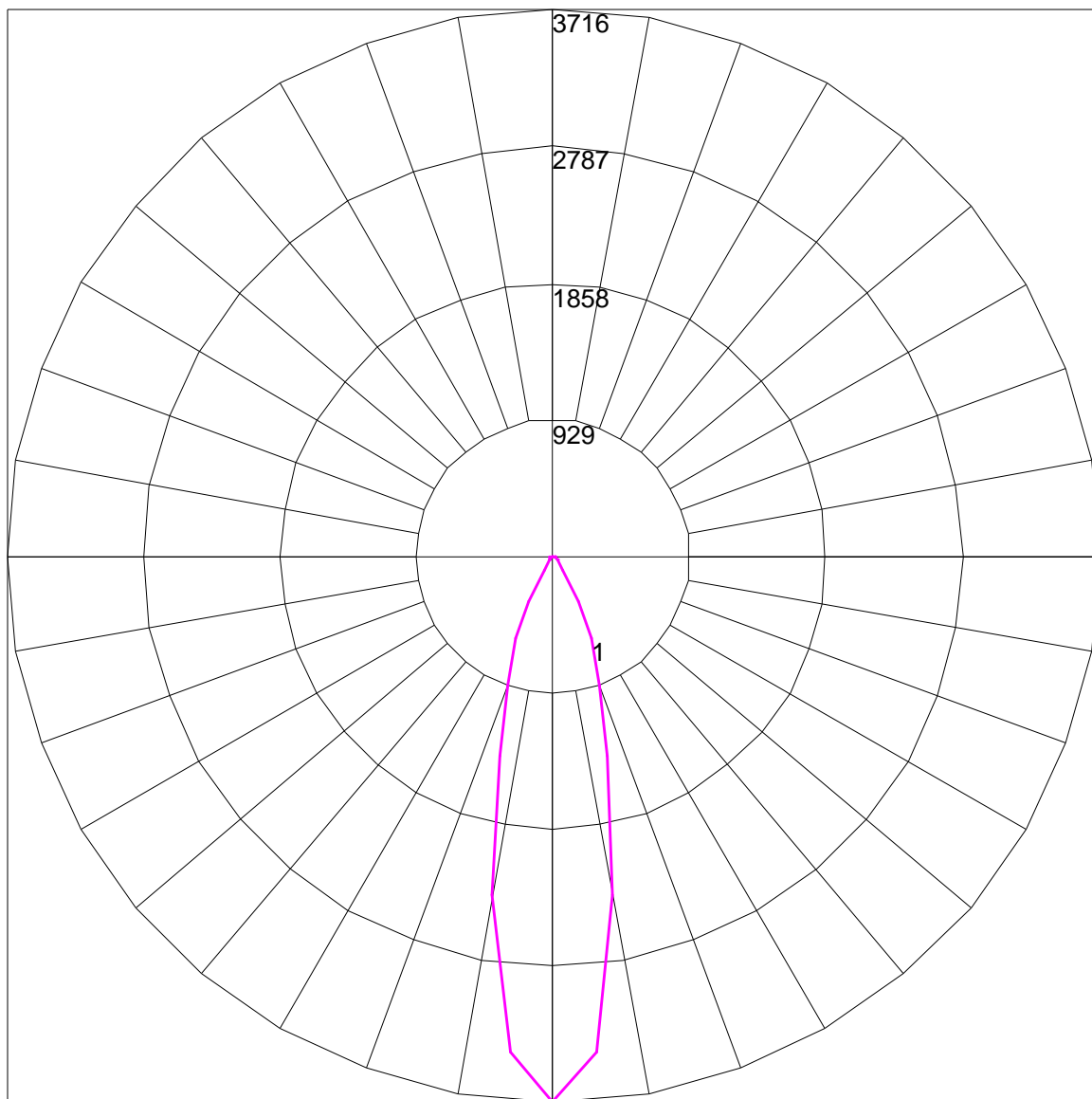
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	102	99	107	104	101	98	100	98	96	98	95	94	95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90	93	91	89	91	89	87	86
4	101	95	90	86	99	94	89	86	92	88	85	90	87	84	88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	75
7	90	83	78	74	89	82	77	74	81	77	73	80	76	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66
10	81	73	69	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64

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POLAR GRAPH



Maximum Candela = 3716.424 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)