

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_45 ~ SR3DMX-XT13LE1-RDD3X-XXK-WDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545\_45\_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 2/15/2017

[UPDATE] 4/26/2017

[LUMCAT] SR3DMx-XT13L-E1-RDD3x-xxK-WD-MW-NL

[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Wide Beam

[OTHER] Matte White Trim, No Lens

[OTHER] 55.2 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	1260
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.88
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\_45 ~ SR3DMX-XT13LE1-RDD3X-XXK-WDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4069	5118	4069
55	3319	4343	3319
65	3491	4150	3491
75	2516	3316	2516
85	1754	3619	1754

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_45 ~ SR3DMX-XT13LE1-RDD3X-XXK-WDMWNL.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>	1620.682	1620.682	1620.682	1620.682	1620.682
<b>5</b>	1575.894	1589.657	1601.820	1589.657	1575.894
<b>10</b>	1492.540	1511.729	1525.907	1511.729	1492.540
<b>15</b>	1354.230	1387.836	1411.560	1387.836	1354.230
<b>20</b>	1162.666	1211.153	1247.467	1211.153	1162.666
<b>25</b>	903.812	975.438	1027.464	975.438	903.812
<b>30</b>	577.342	676.620	750.679	676.620	577.342
<b>35</b>	269.746	346.724	421.077	346.724	269.746
<b>40</b>	64.440	124.116	170.245	124.116	64.440
<b>45</b>	17.918	19.248	22.534	19.248	17.918
<b>50</b>	15.034	16.177	17.125	16.177	15.034
<b>55</b>	11.853	14.754	15.511	14.754	11.853
<b>60</b>	9.461	10.477	11.309	10.477	9.461
<b>65</b>	9.188	9.226	10.922	9.226	9.188
<b>70</b>	7.713	7.678	9.095	7.678	7.713
<b>75</b>	4.055	4.602	5.345	4.602	4.055
<b>80</b>	2.003	2.461	2.735	2.461	2.003
<b>85</b>	0.952	1.166	1.964	1.166	0.952
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	534.78	N.A.	42.40
0-30	970.93	N.A.	77.10
0-40	1198.48	N.A.	95.10
0-60	1244.03	N.A.	98.70
0-80	1258.6	N.A.	99.90
0-90	1259.97	N.A.	100.00
10-90	1110.71	N.A.	88.20
20-40	663.70	N.A.	52.70
20-50	696.96	N.A.	55.30
40-70	54.91	N.A.	4.40
60-80	14.56	N.A.	1.20
70-80	5.21	N.A.	0.40
80-90	1.37	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	1259.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	149.26
10-20	385.52
20-30	436.15
30-40	227.55
40-50	33.26
50-60	12.30
60-70	9.36
70-80	5.21
80-90	1.37
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

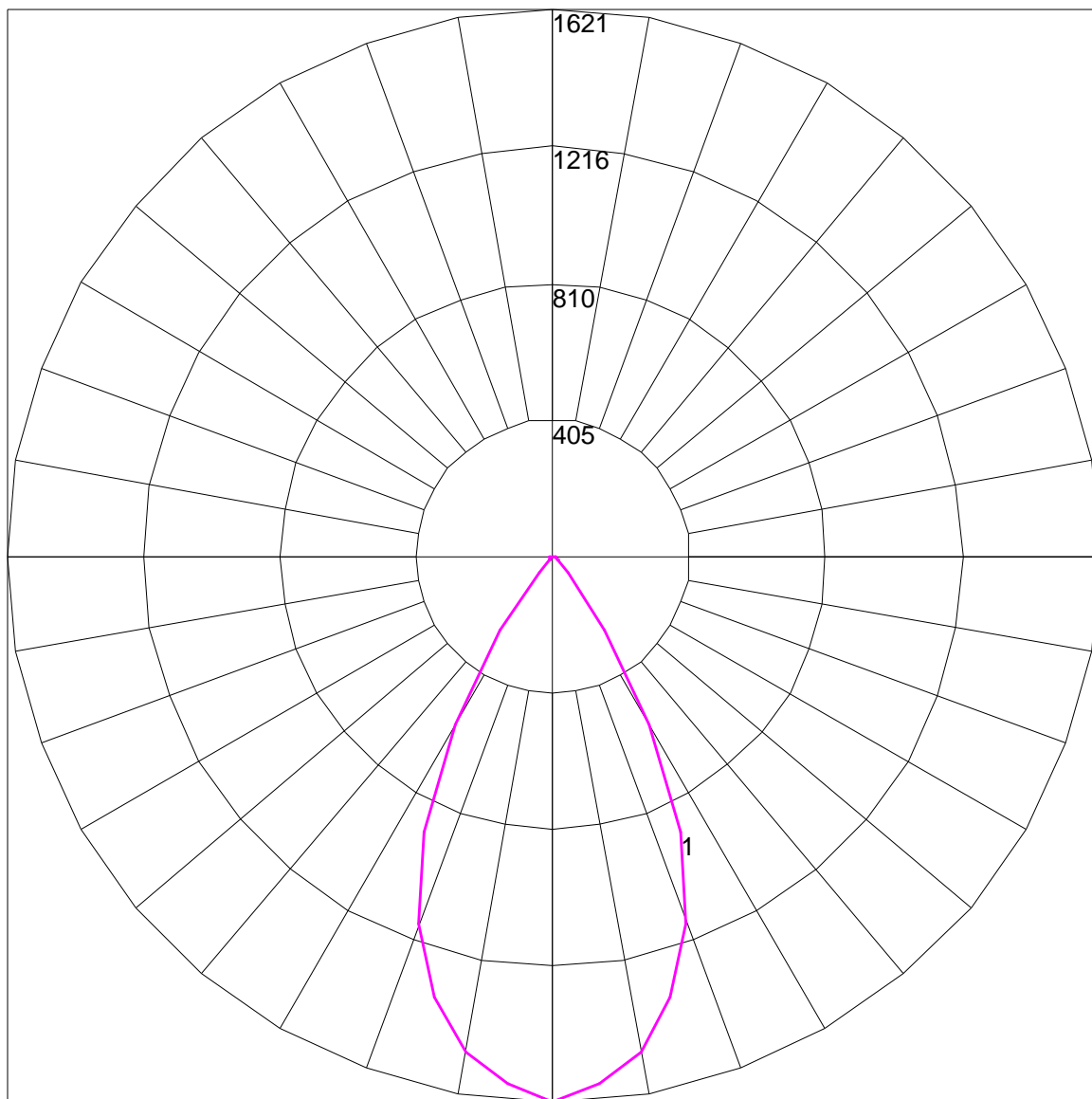
Effective Floor Cavity Reflectance 0.20

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	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66	73	68	65	72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	54

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## POLAR GRAPH



Maximum Candela = 1620.682 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)