

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_33 ~ SS3DMX-XT13LE1-SDD3X-XXK-WDMWNL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_33\_M-13L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/17/2017  
 [UPDATE] 5/1/2017  
 [LUMCAT] SS3DMx-XT13L-E1-SDD3x-xxK-WD-MW-GL  
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Wide Beam  
 [OTHER] Matte White Trim, clear glass lens  
 [OTHER] 48.2 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: SS3DMO-XT-series  
 [OTHER] For New Construction IC Rated Housing: SS3DMI-XT-Series  
 [OTHER] For Remodel/Retrofit Housing: SS3DMR-XT-Series  
 [OTHER] For SDD3F or SDD3N 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	1033
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_33 ~ SS3DMX-XT13LE1-SDD3X-XXK-WDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2902	10551	2902
55	1981	1710	1981
65	2312	1095	2312
75	415	614	415
85	1050	1587	1050

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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>	1405.745	1405.745	1405.745	1405.745	1405.745
<b>5</b>	1387.357	1402.017	1406.797	1402.017	1387.357
<b>10</b>	1304.991	1336.788	1348.930	1336.788	1304.991
<b>15</b>	1135.590	1192.485	1226.889	1192.485	1135.590
<b>20</b>	907.910	979.576	1031.572	979.576	907.910
<b>25</b>	641.269	734.615	811.530	734.615	641.269
<b>30</b>	390.430	478.672	591.105	478.672	390.430
<b>35</b>	220.089	265.585	371.682	265.585	220.089
<b>40</b>	74.831	131.475	187.823	131.475	74.831
<b>45</b>	18.635	28.660	67.750	28.660	18.635
<b>50</b>	11.461	11.849	20.024	11.849	11.461
<b>55</b>	10.316	9.812	8.906	9.812	10.316
<b>60</b>	9.340	9.198	4.730	9.198	9.340
<b>65</b>	8.873	8.491	4.201	8.491	8.873
<b>70</b>	2.750	5.452	3.666	5.452	2.750
<b>75</b>	0.976	1.615	1.443	1.615	0.976
<b>80</b>	0.863	0.731	0.904	0.731	0.863
<b>85</b>	0.831	0.662	1.256	0.662	0.831
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	458.80	N.A.	44.40
0-30	791.43	N.A.	76.60
0-40	972.91	N.A.	94.20
0-60	1023.17	N.A.	99.10
0-80	1032.06	N.A.	99.90
0-90	1032.75	N.A.	100.00
10-90	901.50	N.A.	87.30
20-40	514.11	N.A.	49.80
20-50	555.14	N.A.	53.80
40-70	57.06	N.A.	5.50
60-80	8.89	N.A.	0.90
70-80	2.09	N.A.	0.20
80-90	0.68	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	1032.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	131.25
10-20	327.55
20-30	332.63
30-40	181.48
40-50	41.03
50-60	9.23
60-70	6.80
70-80	2.09
80-90	0.68
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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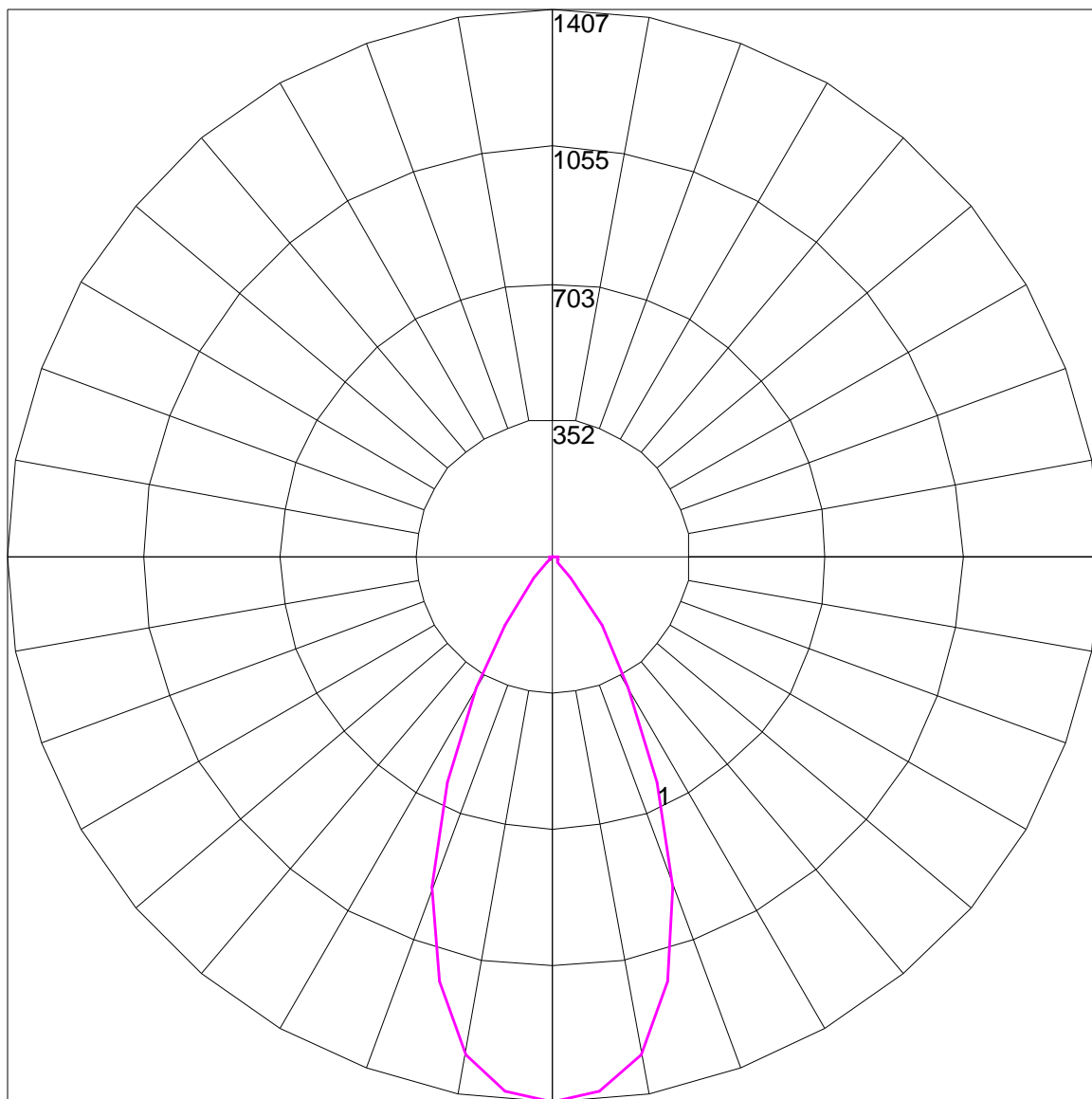
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	67	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	65	61	58	57
10	74	65	60	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

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POLAR GRAPH



Maximum Candela = 1406.797 Located At Horizontal Angle = 45, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)