

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_25 ~ SS3DMX-XT13LE1-SDD3X-XXK-XNMWSO.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_25\_M-13L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/17/2017  
 [UPDATE] 5/1/2017  
 [LUMCAT] SS3DMx-XT13L-E1-SDD3x-xxK-XN-MW-SO  
 [LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Xtra Narrow Beam  
 [OTHER] Matte White Trim, Solite Lens  
 [OTHER] 13.5 Degree Beam Angle  
 [LAMP] N/A, 9mm LES  
 [LAMPCAT] N/A, Min. 83 CRI  
 [OTHER] Total Luminaire Watts is approximate  
 [OTHER] For New Construction Non-IC Housing: SS3DMO-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	778
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	38
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.26
Spacing Criterion (Diagonal)	0.26
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\_25 ~ SS3DMX-XT13LE1-SDD3X-XXK-XNMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2266	4130	2430
55	1818	2480	1897
65	754	928	1064
75	317	318	292
85	0	0	0

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_25 ~ SS3DMX-XT13LE1-SDD3X-XXK-XNMWSO.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>	6071.788	6071.788	6071.788	6071.788	6071.788
<b>5</b>	4175.226	4260.736	4299.999	4227.085	4145.040
<b>10</b>	1542.752	1576.212	1543.221	1503.538	1418.848
<b>15</b>	617.025	626.821	622.963	614.710	597.793
<b>20</b>	431.089	440.547	447.741	427.347	426.940
<b>25</b>	291.370	329.439	384.536	335.142	297.770
<b>30</b>	126.402	172.570	286.024	160.962	116.030
<b>35</b>	43.259	64.619	144.707	49.371	39.874
<b>40</b>	20.832	26.161	48.240	26.439	20.160
<b>45</b>	14.553	18.285	26.523	18.092	15.603
<b>50</b>	11.764	12.865	19.334	13.003	11.692
<b>55</b>	9.471	11.738	12.919	11.437	9.881
<b>60</b>	5.871	7.076	8.271	7.795	7.194
<b>65</b>	2.894	4.389	3.561	3.745	4.085
<b>70</b>	1.814	1.688	1.641	2.445	0.739
<b>75</b>	0.746	0.766	0.747	1.724	0.686
<b>80</b>	0.649	0.762	0.442	0.560	0.568
<b>85</b>	0.000	0.000	0.000	0.000	0.000
<b>90</b>	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_25 ~ SS3DMX-XT13LE1-SDD3X-XXK-XNMWSO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	543.45	N.A.	69.90
0-30	690.37	N.A.	88.80
0-40	746.28	N.A.	96.00
0-60	772.27	N.A.	99.30
0-80	777.54	N.A.	100.00
0-90	777.70	N.A.	100.00
10-90	448.31	N.A.	57.60
20-40	202.83	N.A.	26.10
20-50	218.88	N.A.	28.10
40-70	30.12	N.A.	3.90
60-80	5.28	N.A.	0.70
70-80	1.14	N.A.	0.10
80-90	0.16	N.A.	0.00
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	777.70	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	329.40
10-20	214.05
20-30	146.92
30-40	55.91
40-50	16.04
50-60	9.94
60-70	4.13
70-80	1.14
80-90	0.16
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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545\_25 ~ SS3DMX-XT13LE1-SDD3X-XXK-XNMWSO.IES

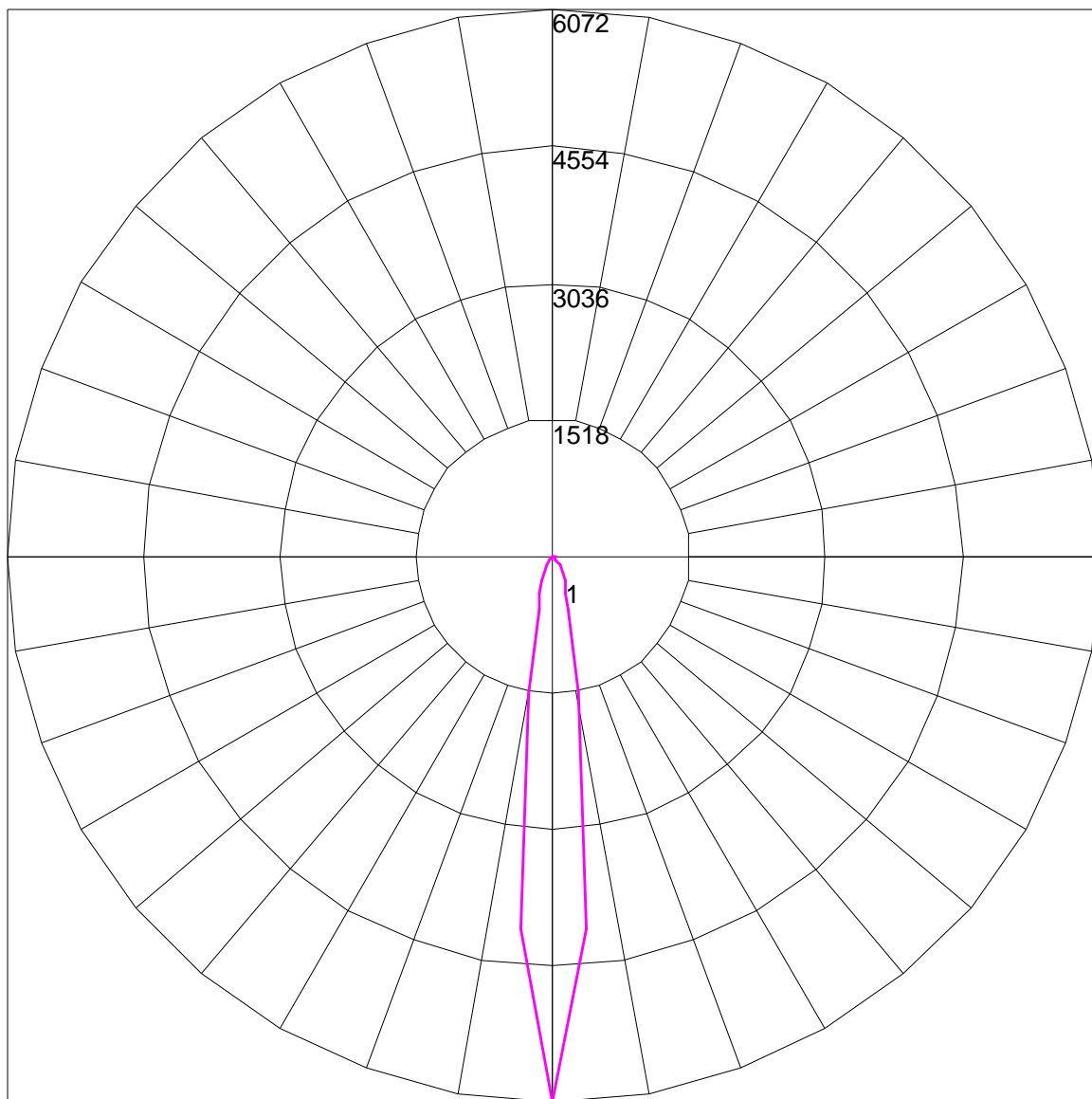
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	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	82	87	84	82	86	84	81	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	81	78	91	84	80	78	84	80	77	83	79	77	82	79	77	76
9	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74
10	87	80	76	73	86	80	76	73	79	76	73	78	75	73	78	75	73	72

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP-00545\_25 ~ SS3DMX-XT13LE1-SDD3X-XXK-XNMWSO.IES

POLAR GRAPH



Maximum Candela = 6071.788 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)