

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_23 ~ SS3MX-XT13LE1-SD3X-XXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545\_23\_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 2/16/2017

[UPDATE] 5/8/2017

[LUMCAT] SS3MRx-XT13L-E1-SD3x-WD-MW-GL

[LUMINAIRE] Nominal 3" Square Downlight, Wide Beam

[OTHER] Matte White Trim, clear glass lens

[OTHER] 49.2 Degree Beam Angle

[LAMP] N/A

[LAMPCAT] N/A, Min. 83 CRI

[OTHER] Total Luminaire Watts is approximate

[OTHER] For New Construction Non-IC Housing: SS3MO-XT-series

[OTHER] For New Construction IC Rated Housing: SS3MI-XT-Series

[OTHER] For Remodel/Retrofit Housing: SS3MR-XT-Series

[OTHER] For SD3F or SD3N 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	1058
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.82
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\_23 ~ SS3MX-XT13LE1-SD3X-XXK-WDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4309	9940	4163
55	3422	3928	3469
65	3730	3503	4356
75	5175	4581	5520
85	1250	1629	1070

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_23 ~ SS3MX-XT13LE1-SD3X-XXK-WDMWGL.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>	1477.805	1477.805	1477.805	1477.805	1477.805
<b>5</b>	1452.955	1455.934	1445.928	1433.408	1440.856
<b>10</b>	1355.355	1372.009	1365.254	1340.631	1323.587
<b>15</b>	1157.742	1198.942	1210.219	1167.880	1124.852
<b>20</b>	937.318	990.306	993.932	941.143	879.583
<b>25</b>	670.878	755.979	779.546	688.837	603.375
<b>30</b>	418.746	502.504	566.870	445.136	363.152
<b>35</b>	232.188	284.686	349.922	248.940	211.697
<b>40</b>	86.118	146.934	171.139	132.904	70.884
<b>45</b>	27.669	34.404	63.827	32.321	26.731
<b>50</b>	22.519	20.810	23.322	22.351	21.679
<b>55</b>	17.826	19.596	20.462	19.517	18.071
<b>60</b>	15.969	16.588	15.796	17.662	17.109
<b>65</b>	14.314	14.649	13.443	15.751	16.719
<b>70</b>	15.081	14.836	12.863	14.455	16.325
<b>75</b>	12.163	12.135	10.767	11.576	12.973
<b>80</b>	5.102	6.024	6.217	5.623	4.555
<b>85</b>	0.989	1.361	1.289	1.006	0.847
<b>90</b>	0.749	0.860	0.703	0.493	0.669

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Zone	Lumens	%Lamp	%Fixt
0-20	461.62	N.A.	43.60
0-30	787.99	N.A.	74.50
0-40	967.03	N.A.	91.40
0-60	1028.65	N.A.	97.30
0-80	1055.24	N.A.	99.80
0-90	1057.6	N.A.	100.00
10-90	922.49	N.A.	87.20
20-40	505.41	N.A.	47.80
20-50	549.67	N.A.	52.00
40-70	76.69	N.A.	7.30
60-80	26.59	N.A.	2.50
70-80	11.52	N.A.	1.10
80-90	2.35	N.A.	0.20
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	1057.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	135.11
10-20	326.52
20-30	326.37
30-40	179.04
40-50	44.26
50-60	17.36
60-70	15.07
70-80	11.52
80-90	2.35
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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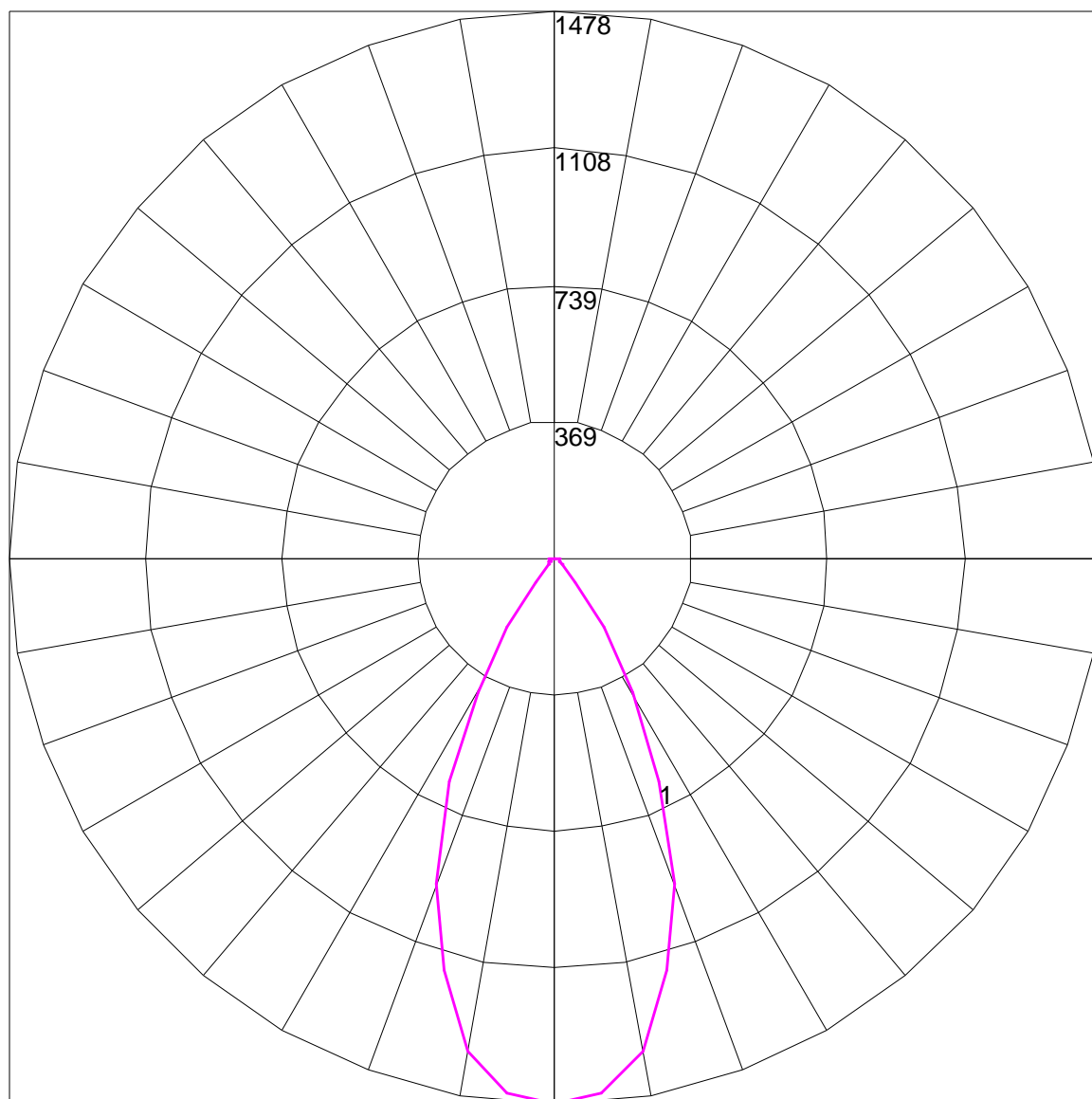
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	95	90	86	92	88	85	89	86	84	87	85	82	81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	80	74	69	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	63
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	67	63	60	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53

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POLAR GRAPH



Maximum Candela = 1477.805 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)