

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_18 ~ SS3MX-XT13LE1-SD3X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00545\_18\_M-13L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 2/17/2017  
[UPDATE] 5/8/2017  
[LUMCAT] SS3Mx-XT13L-E1-SD3x-MD-MW-NL  
[LUMINAIRE] Nom. 3" Square Downlight, Medium Beam  
[OTHER] Matte White Trim, No Lens  
[OTHER] 42.6 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	1023
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.70
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\_18 ~ SS3MX-XT13LE1-SD3X-XXK-MDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4152	4416	4243
55	3210	2995	2914
65	1808	926	1306
75	891	813	829
85	1435	1330	1282

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_18 ~ SS3MX-XT13LE1-SD3X-XXK-MDMWNL.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>	1986.622	1986.622	1986.622	1986.622	1986.622
<b>5</b>	1918.934	1938.661	1946.861	1939.998	1931.294
<b>10</b>	1700.400	1733.798	1733.993	1736.594	1734.105
<b>15</b>	1383.401	1423.391	1437.985	1409.732	1391.174
<b>20</b>	1047.853	1085.804	1082.556	1074.711	1050.006
<b>25</b>	645.735	714.841	752.105	712.439	649.960
<b>30</b>	242.573	335.260	449.086	330.269	258.384
<b>35</b>	54.034	97.656	194.301	74.073	45.867
<b>40</b>	30.546	29.234	65.170	32.047	33.430
<b>45</b>	26.662	24.394	28.359	26.697	27.248
<b>50</b>	22.297	21.430	22.210	21.213	21.652
<b>55</b>	16.719	15.422	15.599	15.181	15.179
<b>60</b>	10.531	10.141	8.249	9.318	9.445
<b>65</b>	6.939	3.922	3.555	5.055	5.014
<b>70</b>	4.007	3.028	3.043	2.827	3.074
<b>75</b>	2.094	2.083	1.912	2.447	1.949
<b>80</b>	2.046	1.823	1.791	1.587	1.438
<b>85</b>	1.136	1.052	1.053	1.056	1.015
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	569.70	N.A.	55.70
0-30	889.01	N.A.	86.90
0-40	978.54	N.A.	95.60
0-60	1014.43	N.A.	99.10
0-80	1022.2	N.A.	99.90
0-90	1023.25	N.A.	100.00
10-90	845.12	N.A.	82.60
20-40	408.83	N.A.	40.00
20-50	430.85	N.A.	42.10
40-70	41.26	N.A.	4.00
60-80	7.77	N.A.	0.80
70-80	2.40	N.A.	0.20
80-90	1.05	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	1023.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	178.13
10-20	391.57
20-30	319.30
30-40	89.53
40-50	22.02
50-60	13.87
60-70	5.37
70-80	2.40
80-90	1.05
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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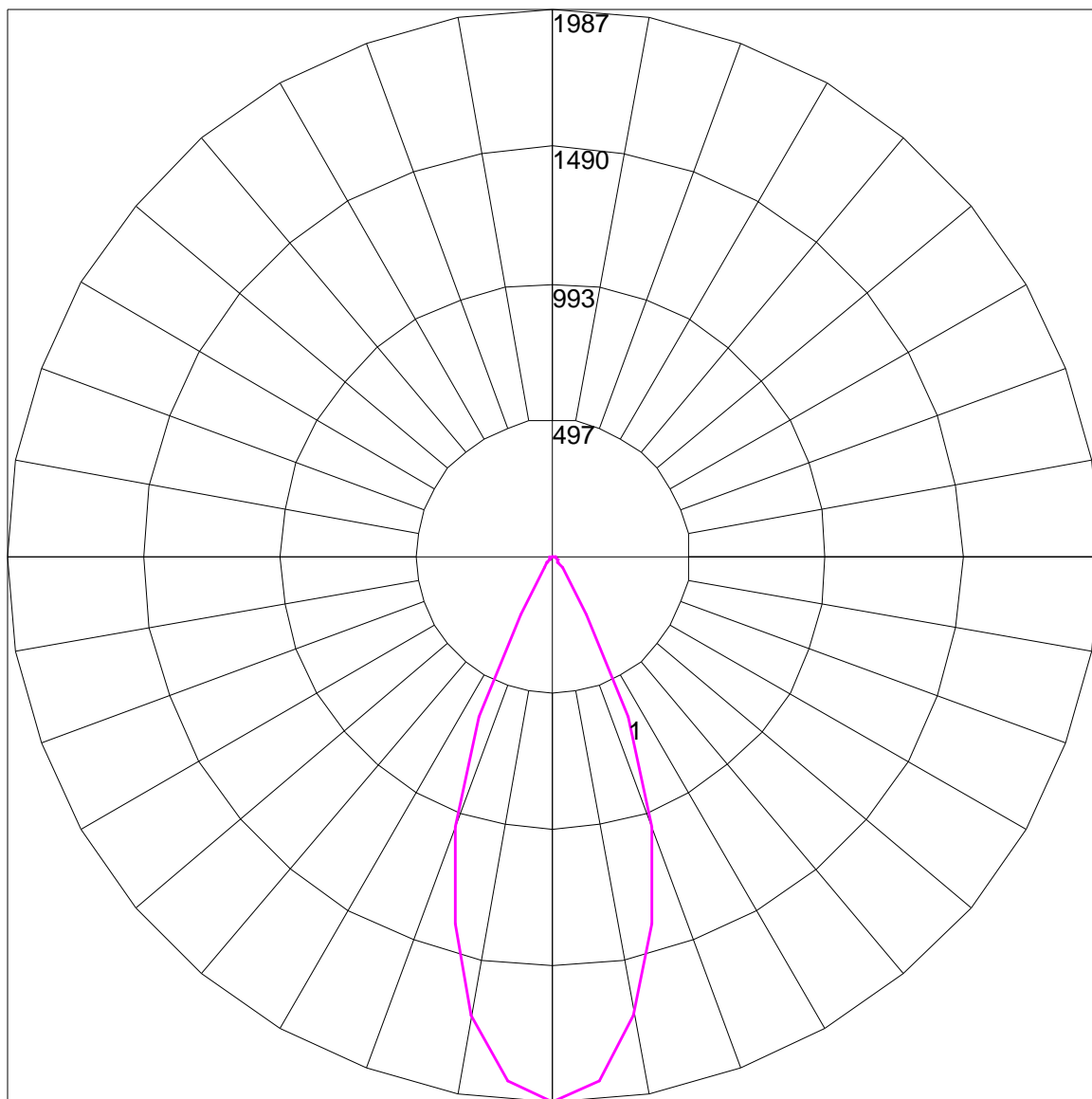
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	64	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60

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POLAR GRAPH



Maximum Candela = 1986.622 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)