

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_13 ~ SS3MX-XT13LE1-SD3X-XXK-XNMWSO.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_13\_M-13L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/16/2017  
 [UPDATE] 5/8/2017  
 [LUMCAT] SS3Mx-XT13L-E1-SD3x-xxK-XN-MW-SO  
 [LUMINAIRE] Nom. 3" Square Downlight, Xtra Narrow Beam  
 [OTHER] Matte White Trim, Solite Lens  
 [OTHER] 13.6 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: SS3MO-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	840
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	41
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.24
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\_13 ~ SS3MX-XT13LE1-SD3X-XXK-XNMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2001	4141	2333
55	2870	3295	2880
65	2767	2376	2372
75	1456	1536	1861
85	1522	936	917

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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>	6333.758	6333.758	6333.758	6333.758	6333.758
<b>5</b>	4423.904	4400.401	4335.492	4260.002	4227.043
<b>10</b>	1707.707	1716.878	1686.942	1629.161	1504.322
<b>15</b>	676.637	699.827	718.164	692.851	638.353
<b>20</b>	461.713	475.392	479.320	463.898	449.171
<b>25</b>	311.106	352.739	407.527	353.645	304.160
<b>30</b>	144.011	184.276	303.039	167.709	114.540
<b>35</b>	51.339	75.754	146.295	59.753	43.360
<b>40</b>	23.726	26.409	52.580	25.020	22.285
<b>45</b>	12.850	16.242	26.593	18.479	14.980
<b>50</b>	14.805	17.197	19.248	15.803	14.187
<b>55</b>	14.949	16.070	17.163	18.502	15.003
<b>60</b>	13.885	12.876	13.781	14.457	12.890
<b>65</b>	10.619	11.133	9.119	8.835	9.105
<b>70</b>	7.967	7.203	6.482	6.079	6.663
<b>75</b>	3.421	5.095	3.609	4.668	4.374
<b>80</b>	2.930	2.562	2.694	2.402	1.814
<b>85</b>	1.205	1.159	0.741	0.931	0.726
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	576.93	N.A.	68.70
0-30	733.13	N.A.	87.30
0-40	793.15	N.A.	94.50
0-60	823.94	N.A.	98.10
0-80	838.52	N.A.	99.90
0-90	839.72	N.A.	100.00
10-90	497.95	N.A.	59.30
20-40	216.22	N.A.	25.70
20-50	232.75	N.A.	27.70
40-70	40.65	N.A.	4.80
60-80	14.58	N.A.	1.70
70-80	4.72	N.A.	0.60
80-90	1.20	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	839.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	341.77
10-20	235.16
20-30	156.20
30-40	60.02
40-50	16.53
50-60	14.26
60-70	9.86
70-80	4.72
80-90	1.20
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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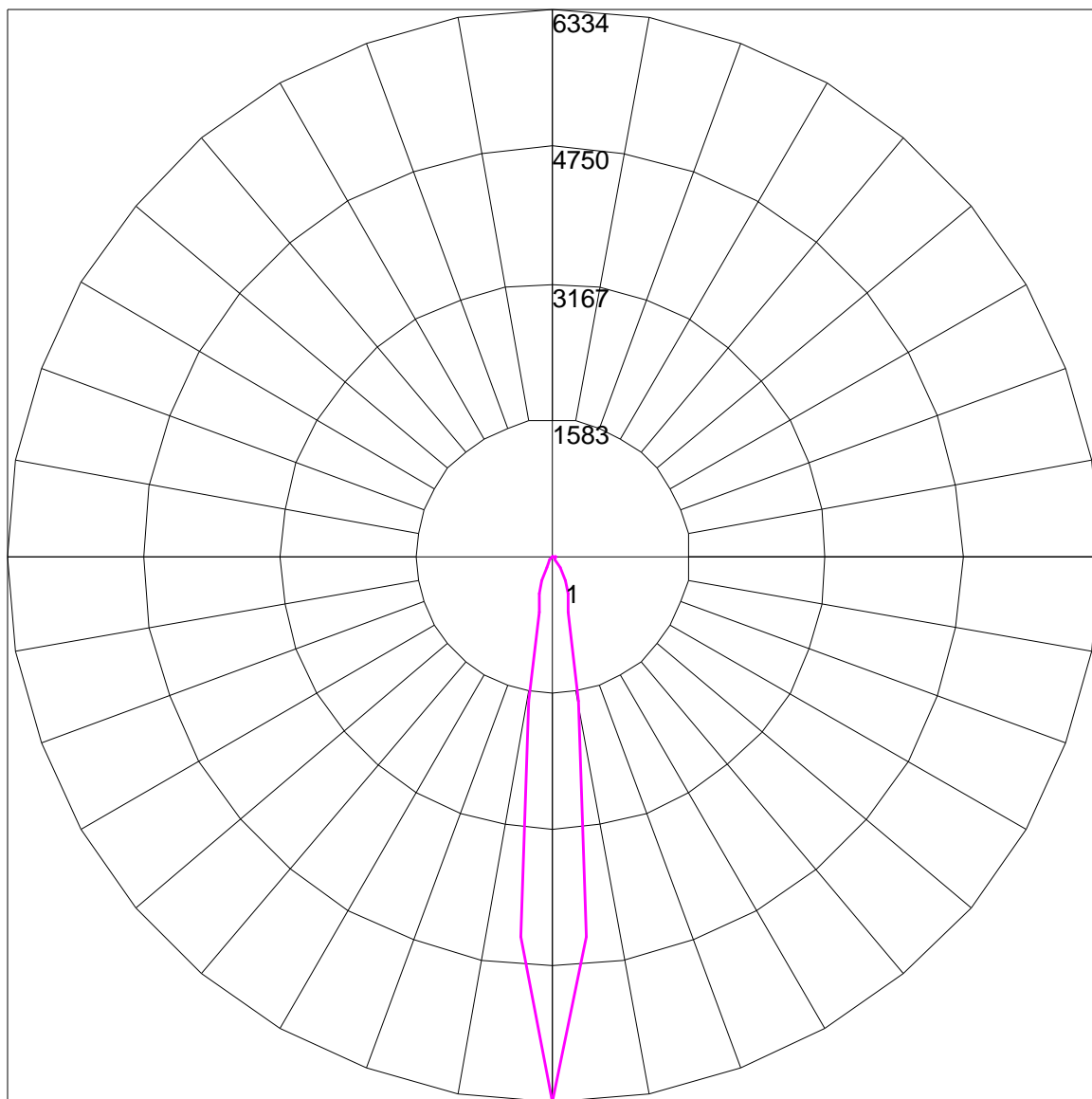
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	94	93	92
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85
5	99	93	89	85	98	92	88	85	90	87	84	89	86	83	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	76
8	91	84	79	76	90	83	79	76	82	79	76	81	78	76	81	78	75	74
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	75	73	72
10	86	79	75	72	85	79	75	72	78	74	72	77	74	71	77	74	71	70

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POLAR GRAPH



Maximum Candela = 6333.758 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)