

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_13 ~ SS3MX-XT20LE1-SD3X-XXK-XNMWSO.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_13  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/16/2017  
 [UPDATE] 5/8/2017  
 [LUMCAT] SS3Mx-XT20L-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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1292
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	34
Total Luminaire Watts	37.5
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-XT20LE1-SD3X-XXK-XNMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3079	6371	3589
55	4416	5069	4431
65	4257	3655	3650
75	2239	2363	2863
85	2342	1440	1411

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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>	9744.244	9744.244	9744.244	9744.244	9744.244
<b>5</b>	6806.006	6769.848	6669.988	6553.850	6503.143
<b>10</b>	2627.242	2641.351	2595.295	2506.401	2314.341
<b>15</b>	1040.980	1076.657	1104.867	1065.924	982.081
<b>20</b>	710.328	731.372	737.415	713.690	691.032
<b>25</b>	478.624	542.675	626.964	544.069	467.939
<b>30</b>	221.556	283.502	466.214	258.014	176.216
<b>35</b>	78.983	116.545	225.069	91.927	66.707
<b>40</b>	36.502	40.630	80.893	38.492	34.284
<b>45</b>	19.769	24.987	40.913	28.430	23.046
<b>50</b>	22.777	26.457	29.612	24.313	21.826
<b>55</b>	22.999	24.723	26.404	28.464	23.081
<b>60</b>	21.362	19.809	21.201	22.242	19.831
<b>65</b>	16.337	17.127	14.029	13.593	14.008
<b>70</b>	12.257	11.081	9.972	9.352	10.251
<b>75</b>	5.263	7.838	5.553	7.181	6.730
<b>80</b>	4.508	3.942	4.144	3.696	2.791
<b>85</b>	1.854	1.783	1.140	1.433	1.117
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	887.58	N.A.	68.70
0-30	1127.89	N.A.	87.30
0-40	1220.23	N.A.	94.50
0-60	1267.6	N.A.	98.10
0-80	1290.03	N.A.	99.90
0-90	1291.88	N.A.	100.00
10-90	766.08	N.A.	59.30
20-40	332.64	N.A.	25.70
20-50	358.08	N.A.	27.70
40-70	62.54	N.A.	4.80
60-80	22.44	N.A.	1.70
70-80	7.27	N.A.	0.60
80-90	1.84	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	1291.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	525.80
10-20	361.78
20-30	240.31
30-40	92.34
40-50	25.44
50-60	21.94
60-70	15.17
70-80	7.27
80-90	1.84
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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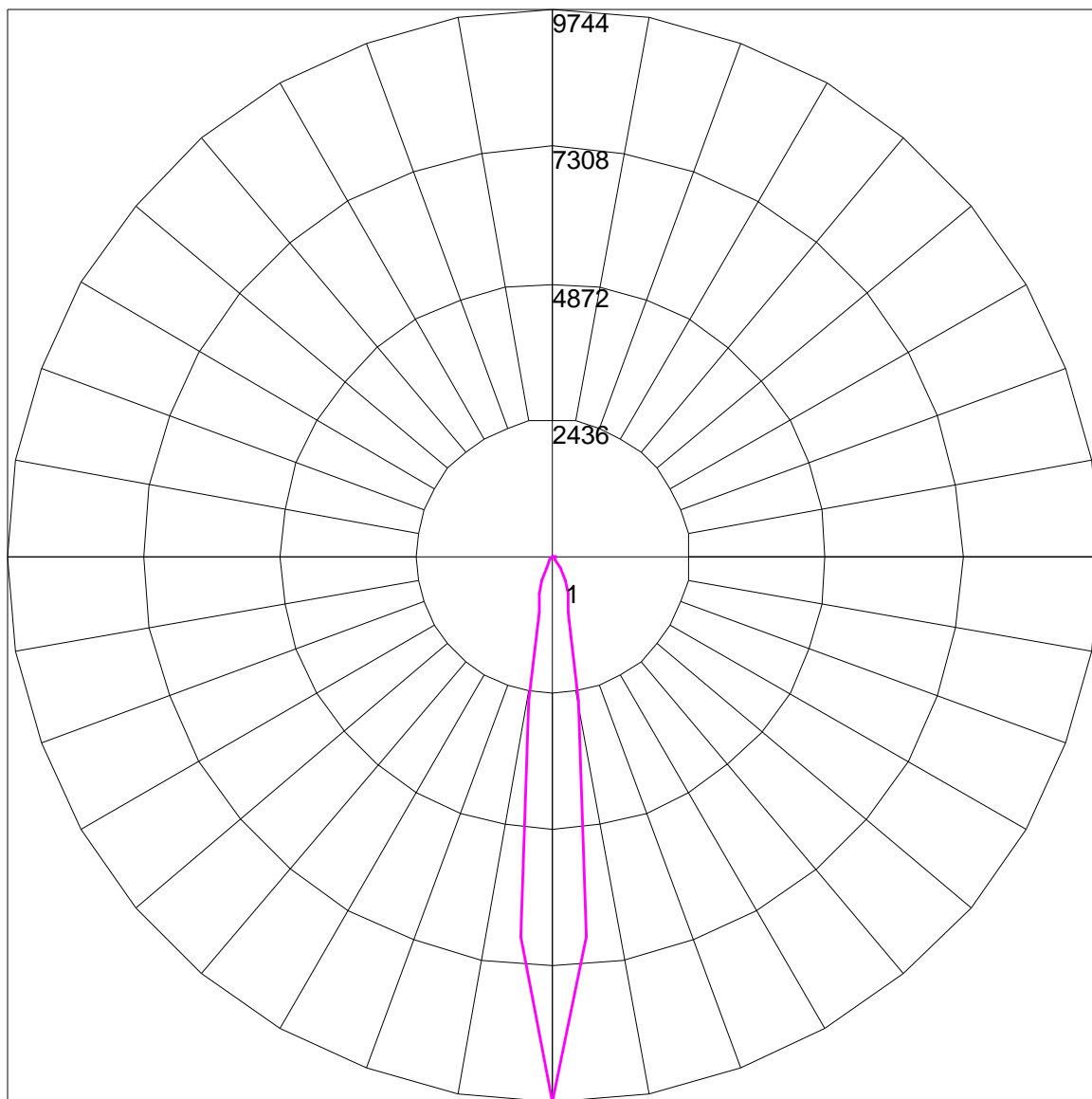
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	91	87	84	89	86	84	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 = 9744.244 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)