

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_14 ~ SS3MX-XT10LE1-SD3X-XXK-XNMWGL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_14\_M-10L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/16/2017  
 [UPDATE] 5/8/2017  
 [LUMCAT] SS3Mx-XT10L-E1-SD3x-xxK-XN-MW-GL  
 [LUMINAIRE] Nom. 3" Square Downlight, Xtra Narrow Beam  
 [OTHER] Matte White Trim, Clear Glass Lens  
 [OTHER] 11.9 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 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	643
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	43
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.24
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\_14 ~ SS3MX-XT10LE1-SD3X-XXK-XNMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1125	1828	1125
55	2239	2369	2239
65	2096	3046	2096
75	794	749	794
85	728	1136	728

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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>	5362.534	5362.534	5362.534	5362.534	5362.534
<b>5</b>	3655.610	4009.583	4667.123	4009.583	3655.610
<b>10</b>	900.421	1042.672	1453.630	1042.672	900.421
<b>15</b>	361.253	394.244	488.190	394.244	361.253
<b>20</b>	292.906	303.884	334.260	303.884	292.906
<b>25</b>	247.956	272.872	302.975	272.872	247.956
<b>30</b>	75.860	137.626	267.180	137.626	75.860
<b>35</b>	18.749	28.605	184.818	28.605	18.749
<b>40</b>	11.509	11.264	50.560	11.264	11.509
<b>45</b>	7.224	9.143	11.740	9.143	7.224
<b>50</b>	6.177	7.184	11.124	7.184	6.177
<b>55</b>	11.663	11.077	12.338	11.077	11.663
<b>60</b>	15.711	16.363	18.304	16.363	15.711
<b>65</b>	8.045	7.455	11.689	7.455	8.045
<b>70</b>	3.355	2.874	3.843	2.874	3.355
<b>75</b>	1.867	1.723	1.760	1.723	1.867
<b>80</b>	1.832	2.088	1.480	2.088	1.832
<b>85</b>	0.576	1.092	0.899	1.092	0.576
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	448.12	N.A.	69.70
0-30	563.51	N.A.	87.70
0-40	610.28	N.A.	95.00
0-60	630.16	N.A.	98.10
0-80	641.61	N.A.	99.80
0-90	642.62	N.A.	100.00
10-90	343.82	N.A.	53.50
20-40	162.16	N.A.	25.20
20-50	171.28	N.A.	26.70
40-70	29.05	N.A.	4.50
60-80	11.46	N.A.	1.80
70-80	2.28	N.A.	0.40
80-90	1.01	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	642.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	298.80
10-20	149.32
20-30	115.39
30-40	46.77
40-50	9.12
50-60	10.75
60-70	9.17
70-80	2.28
80-90	1.01
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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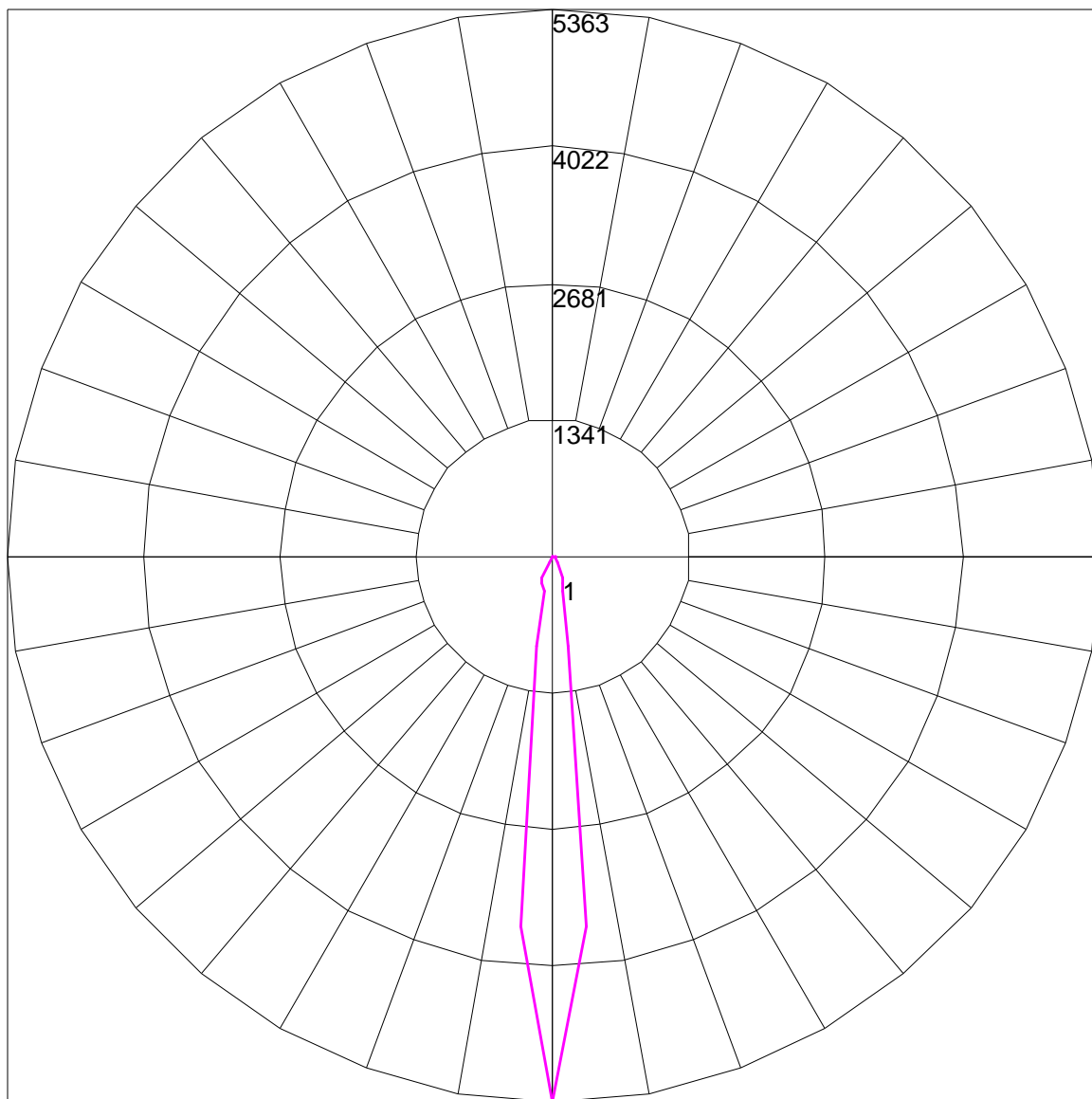
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	112	110	108	107	106	105	104	103	102	101	99	98	98	96
2	111	107	104	101	108	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	85	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	87	84	82	86	84	82	80
7	95	88	84	81	93	87	83	80	86	83	80	85	82	80	84	81	79	78
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76
9	90	83	79	76	89	83	79	76	82	78	76	81	78	75	80	77	75	74
10	88	81	77	74	87	80	77	74	80	76	74	79	76	74	79	76	73	73

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POLAR GRAPH



Maximum Candela = 5362.534 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)