

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_22 ~ SS3MX-XT30LE1-SD3X-XXK-WDMWSO.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_22\_M-30L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/17/2017  
 [UPDATE] 5/8/2017  
 [LUMCAT] SS3Mx-XT30L-E1-SD3x-ND-MW-SO  
 [LUMINAIRE] Nom. 3" Square Downlight, Wide Beam  
 [OTHER] Matte White Trim, Solite Lens  
 [OTHER] 48.8 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 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	2476
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
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\_22 ~ SS3MX-XT30LE1-SD3X-XXK-WDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17875	31157	16756
55	11682	12999	11714
65	13287	10591	11776
75	10002	8756	6476
85	2396	2559	2658

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_22 ~ SS3MX-XT30LE1-SD3X-XXK-WDMWSO.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>	3378.048	3378.048	3378.048	3378.048	3378.048
<b>5</b>	3290.524	3301.934	3296.721	3286.182	3303.919
<b>10</b>	3038.517	3096.975	3089.443	3053.472	3041.320
<b>15</b>	2618.994	2724.898	2731.952	2658.147	2597.760
<b>20</b>	2065.733	2219.988	2257.829	2167.135	2047.363
<b>25</b>	1457.762	1654.296	1762.443	1604.582	1448.247
<b>30</b>	915.996	1108.573	1259.373	1062.521	909.552
<b>35</b>	526.896	662.212	787.485	616.237	498.796
<b>40</b>	253.785	345.478	420.186	305.401	215.564
<b>45</b>	114.783	162.352	200.070	141.555	107.594
<b>50</b>	73.755	89.486	104.144	84.602	71.157
<b>55</b>	60.850	67.258	67.707	65.689	61.014
<b>60</b>	58.464	57.145	55.166	55.521	52.674
<b>65</b>	50.992	48.972	40.647	44.230	45.194
<b>70</b>	37.657	35.712	30.429	32.221	29.682
<b>75</b>	23.509	24.027	20.580	18.701	15.222
<b>80</b>	10.095	11.518	10.052	8.691	6.772
<b>85</b>	1.896	3.308	2.025	2.954	2.104
<b>90</b>	1.849	2.207	2.396	1.591	1.623

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Zone	Lumens	%Lamp	%Fixt
0-20	1048.85	N.A.	42.40
0-30	1789.01	N.A.	72.30
0-40	2205.86	N.A.	89.10
0-60	2404.88	N.A.	97.10
0-80	2471.54	N.A.	99.80
0-90	2476.11	N.A.	100.00
10-90	2168.62	N.A.	87.60
20-40	1157.01	N.A.	46.70
20-50	1294.72	N.A.	52.30
40-70	243.53	N.A.	9.80
60-80	66.66	N.A.	2.70
70-80	22.15	N.A.	0.90
80-90	4.57	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	2476.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	307.49
10-20	741.35
20-30	740.16
30-40	416.85
40-50	137.71
50-60	61.31
60-70	44.51
70-80	22.15
80-90	4.57
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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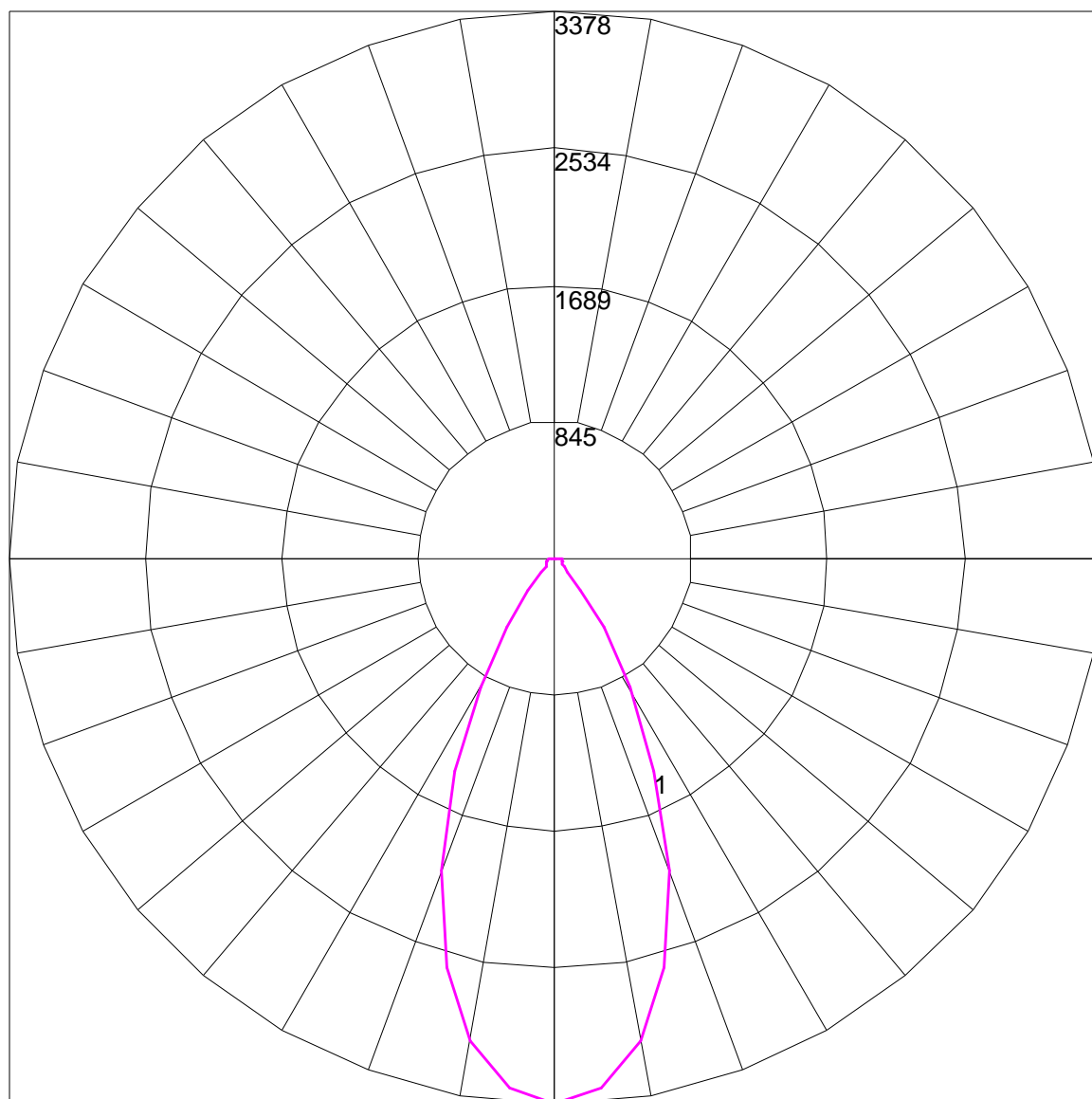
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75
5	92	84	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	61	57	75	66	60	56	65	60	56	64	59	56	63	59	56	55
10	73	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	52

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POLAR GRAPH



Maximum Candela = 3378.048 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)