

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_32 ~ SS3DMX-XT30LE1-SDD3X-XXK-MDMWGL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_32\_M-30L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUE DATE] 2/17/2017  
 [UPDATE] 5/1/2017  
 [LUMCAT] SS3DMx-XT30L-E1-SDD3x-xxK-MD-MW-GL  
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Medium Beam  
 [OTHER] Matte White Trim, clear glass lens  
 [OTHER] 41.3 Degree Beam Angle  
 [LAMP] N/A, 19mm  
 [LAMPCAT] N/A, Min. 83 CRI  
 [OTHER] Total Luminaire Watts is approximate  
 [OTHER] For New Construction Non-IC Housing: SS3DMO-XT-series  
 [OTHER] For Remodel/Retrofit Housing: SS3DMR-XT-Series  
 [OTHER] For SDD3F or SDD3N 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	2509
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.76
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\_32 ~ SS3DMX-XT30LE1-SDD3X-XXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10248	15924	10625
55	5562	9533	6859
65	3881	4992	4145
75	804	1678	1709
85	2204	2622	3136

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_32 ~ SS3DMX-XT30LE1-SDD3X-XXK-MDMWGL.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>	4046.003	4046.003	4046.003	4046.003	4046.003
<b>5</b>	3999.357	4037.977	4042.151	4059.557	4058.001
<b>10</b>	3673.787	3778.188	3794.829	3834.608	3821.044
<b>15</b>	3085.702	3232.749	3263.222	3287.691	3253.492
<b>20</b>	2382.219	2533.733	2567.652	2581.083	2516.726
<b>25</b>	1575.318	1789.593	1838.143	1847.566	1733.127
<b>30</b>	753.417	988.366	1179.485	1085.175	917.489
<b>35</b>	233.921	355.368	611.430	407.594	314.060
<b>40</b>	85.645	106.815	247.608	122.673	90.351
<b>45</b>	65.805	66.719	102.251	73.899	68.226
<b>50</b>	47.084	52.237	68.457	57.089	52.175
<b>55</b>	28.971	36.717	49.653	39.012	35.728
<b>60</b>	21.703	20.977	31.105	25.488	21.699
<b>65</b>	14.896	18.991	19.157	18.063	15.909
<b>70</b>	7.356	9.657	10.004	12.558	9.831
<b>75</b>	1.889	4.227	3.943	4.766	4.017
<b>80</b>	2.353	3.096	3.224	2.090	2.976
<b>85</b>	1.744	2.095	2.075	1.437	2.482
<b>90</b>	0.000	0.086	0.591	0.690	1.458

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_32 ~ SS3DMX-XT30LE1-SDD3X-XXK-MDMWGL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1269.3	N.A.	50.60
0-30	2076.82	N.A.	82.80
0-40	2380.34	N.A.	94.90
0-60	2483.77	N.A.	99.00
0-80	2506.78	N.A.	99.90
0-90	2508.73	N.A.	100.00
10-90	2131.91	N.A.	85.00
20-40	1111.04	N.A.	44.30
20-50	1178.68	N.A.	47.00
40-70	120.93	N.A.	4.80
60-80	23.01	N.A.	0.90
70-80	5.51	N.A.	0.20
80-90	1.95	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	2508.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	376.82
10-20	892.48
20-30	807.51
30-40	303.52
40-50	67.64
50-60	35.79
60-70	17.50
70-80	5.51
80-90	1.95
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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545\_32 ~ SS3DMX-XT30LE1-SDD3X-XXK-MDMWGL.IES

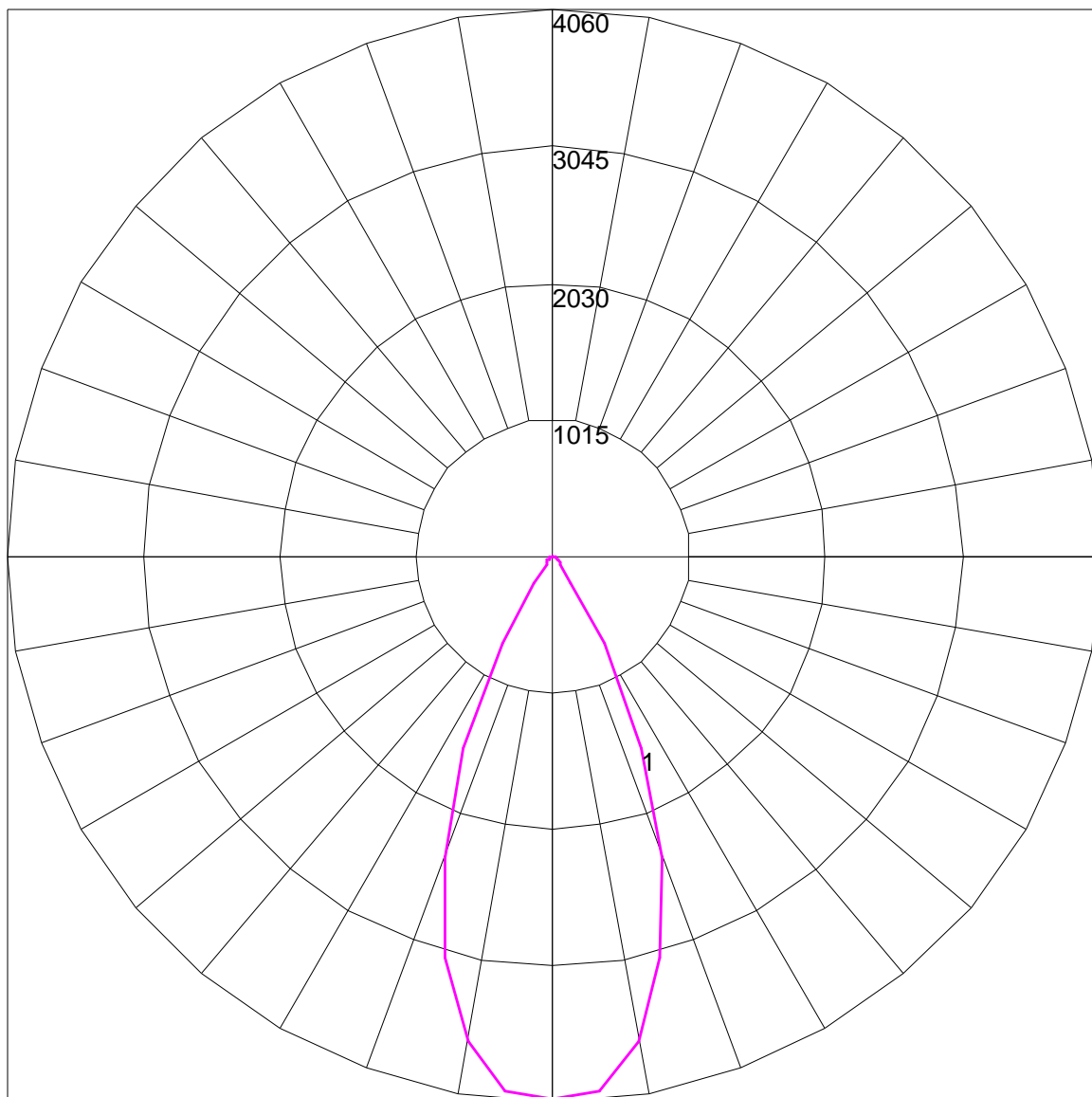
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	83	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	75	71	68	74	71	68	67
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60
10	77	68	63	59	76	67	62	59	67	62	59	66	62	59	65	61	59	57

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP-00545\_32 ~ SS3DMX-XT30LE1-SDD3X-XXK-MDMWGL.IES

POLAR GRAPH



Maximum Candela = 4059.557 Located At Horizontal Angle = 67.5, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)