

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_30 ~ SS3DMX-XT30LE1-SDD3X-XXK-MDMWNL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_30\_M-30L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/17/2017  
 [UPDATE] 5/1/2017  
 [LUMCAT] SS3DMx-XT30L-E1-SDD3x-xxK-MD-MW-NL  
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Medium Beam  
 [OTHER] Matte White Trim, No 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	1997
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.70
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\_30 ~ SS3DMX-XT30LE1-SDD3X-XXK-MDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6358	8558	6358
55	2655	4914	2655
65	1758	2549	1758
75	1208	669	1208
85	1885	1854	1885

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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>	4167.500	4167.499	4167.499	4167.499	4167.499
<b>5</b>	4008.064	4048.432	4095.900	4048.432	4008.064
<b>10</b>	3470.655	3592.570	3711.517	3592.570	3470.655
<b>15</b>	2714.892	2908.611	3066.374	2908.611	2714.892
<b>20</b>	1918.647	2160.393	2298.777	2160.393	1918.647
<b>25</b>	1029.297	1341.696	1630.847	1341.696	1029.297
<b>30</b>	326.571	565.485	930.546	565.485	326.571
<b>35</b>	67.260	134.654	343.724	134.654	67.260
<b>40</b>	52.323	50.565	94.668	50.565	52.323
<b>45</b>	40.827	42.758	54.951	42.758	40.827
<b>50</b>	25.727	31.224	43.584	31.224	25.727
<b>55</b>	13.827	18.553	25.595	18.553	13.827
<b>60</b>	10.041	11.778	12.243	11.778	10.041
<b>65</b>	6.748	9.415	9.781	9.415	6.748
<b>70</b>	2.861	2.942	4.119	2.942	2.861
<b>75</b>	2.840	1.878	1.572	1.878	2.840
<b>80</b>	1.694	1.532	1.663	1.532	1.694
<b>85</b>	1.492	1.272	1.467	1.272	1.492
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1171.57	N.A.	58.70
0-30	1780.17	N.A.	89.10
0-40	1931.86	N.A.	96.70
0-60	1985.94	N.A.	99.40
0-80	1996.28	N.A.	99.90
0-90	1997.46	N.A.	100.00
10-90	1625.85	N.A.	81.40
20-40	760.28	N.A.	38.10
20-50	795.97	N.A.	39.80
40-70	62.07	N.A.	3.10
60-80	10.34	N.A.	0.50
70-80	2.35	N.A.	0.10
80-90	1.19	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	1997.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	371.62
10-20	799.96
20-30	608.60
30-40	151.68
40-50	35.69
50-60	18.39
60-70	7.99
70-80	2.35
80-90	1.19
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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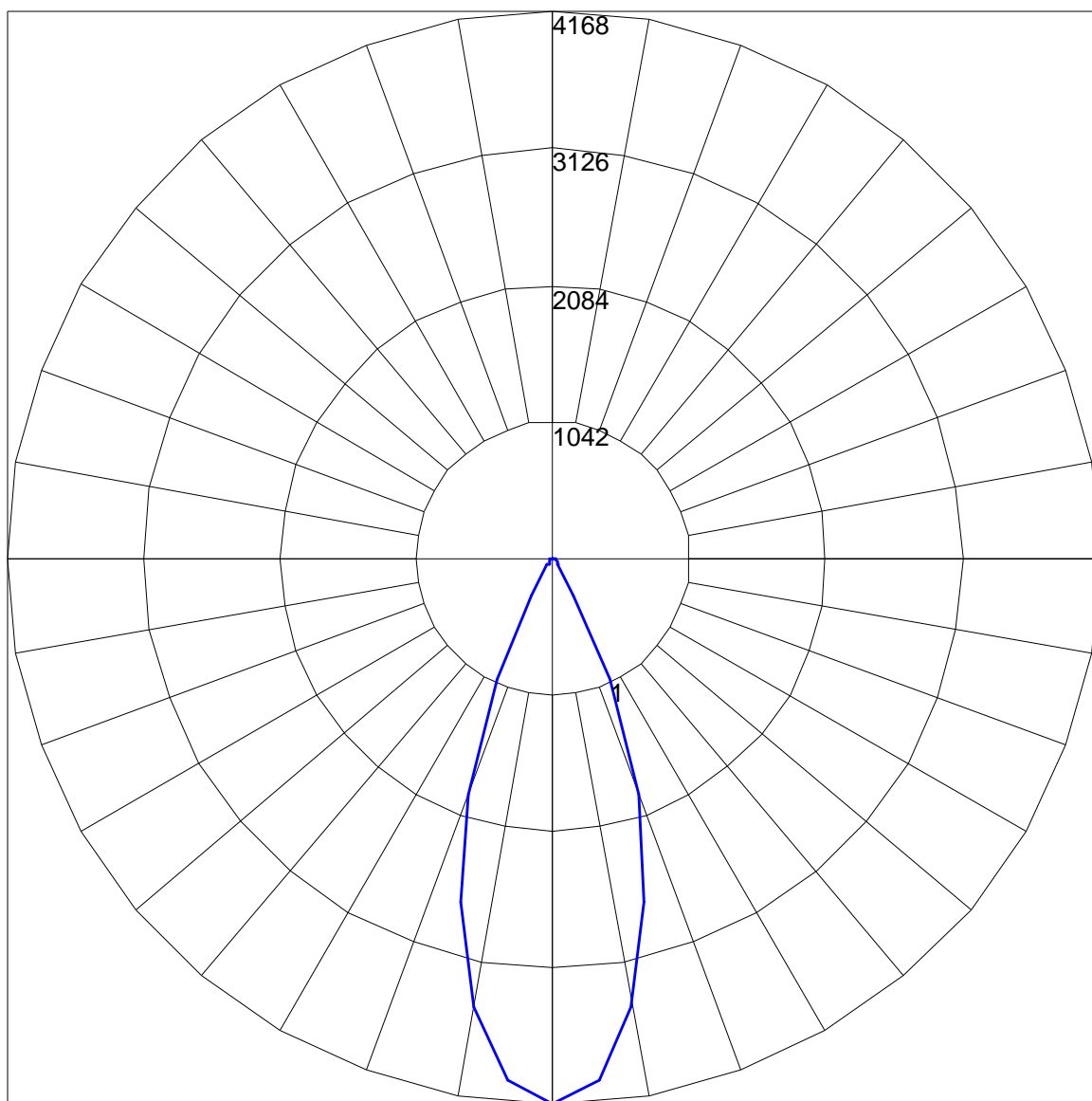
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96	98	95	94	95	93	92	90
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86
4	101	94	90	86	99	93	89	86	91	88	85	89	86	84	88	85	83	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	77
6	93	86	80	77	92	85	80	77	83	79	76	82	78	76	81	78	75	74
7	89	82	77	73	88	81	76	73	80	76	72	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	69	77	72	69	76	72	69	75	71	69	67
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	71	67	63	71	66	63	70	66	63	69	66	63	62

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POLAR GRAPH



Maximum Candela = 4167.5 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)