

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SP-00545\_34 ~ SS3DMX-XT30LE1-SDD3X-XXK-WDMWSO.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_34\_M-30L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUE DATE] 2/17/2017  
 [UPDATE] 5/1/2017  
 [LUMCAT] SS3DMx-XT30L-E1-SDD3x-xxK-WD-MW-SO  
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Wide Beam  
 [OTHER] Matte White Trim, Solite lens  
 [OTHER] 49.1 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)	0.66
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.78
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10076	25123	10076
55	7095	10442	7095
65	3521	5752	3521
75	846	1449	846
85	0	2656	0

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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>	3201.636	3201.636	3201.636	3201.636	3201.636
<b>5</b>	3041.336	3075.945	3122.131	3075.945	3041.336
<b>10</b>	2699.977	2774.199	2876.118	2774.199	2699.977
<b>15</b>	2223.090	2341.689	2499.374	2341.689	2223.090
<b>20</b>	1661.277	1829.149	2041.509	1829.149	1661.277
<b>25</b>	1101.005	1281.814	1550.575	1281.814	1101.005
<b>30</b>	650.809	802.236	1071.578	802.236	650.809
<b>35</b>	332.101	439.620	649.058	439.620	332.101
<b>40</b>	139.036	202.549	338.116	202.549	139.036
<b>45</b>	64.700	90.441	161.322	90.441	64.700
<b>50</b>	47.627	55.221	85.257	55.221	47.627
<b>55</b>	36.954	45.578	54.389	45.578	36.954
<b>60</b>	29.971	34.169	36.324	34.169	29.971
<b>65</b>	13.512	20.343	22.074	20.343	13.512
<b>70</b>	2.498	4.910	8.694	4.910	2.498
<b>75</b>	1.989	3.006	3.406	3.006	1.989
<b>80</b>	1.809	2.238	2.303	2.238	1.809
<b>85</b>	0.000	0.000	2.102	0.000	0.000
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	934.63	N.A.	46.80
0-30	1534.64	N.A.	76.80
0-40	1840.00	N.A.	92.10
0-60	1973.99	N.A.	98.80
0-80	1996.43	N.A.	100.00
0-90	1997.3	N.A.	100.00
10-90	1712.58	N.A.	85.70
20-40	905.37	N.A.	45.30
20-50	997.89	N.A.	50.00
40-70	152.97	N.A.	7.70
60-80	22.43	N.A.	1.10
70-80	3.46	N.A.	0.20
80-90	0.87	N.A.	0.00
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	1997.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	284.71
10-20	649.92
20-30	600.01
30-40	305.36
40-50	92.52
50-60	41.47
60-70	18.98
70-80	3.46
80-90	0.87
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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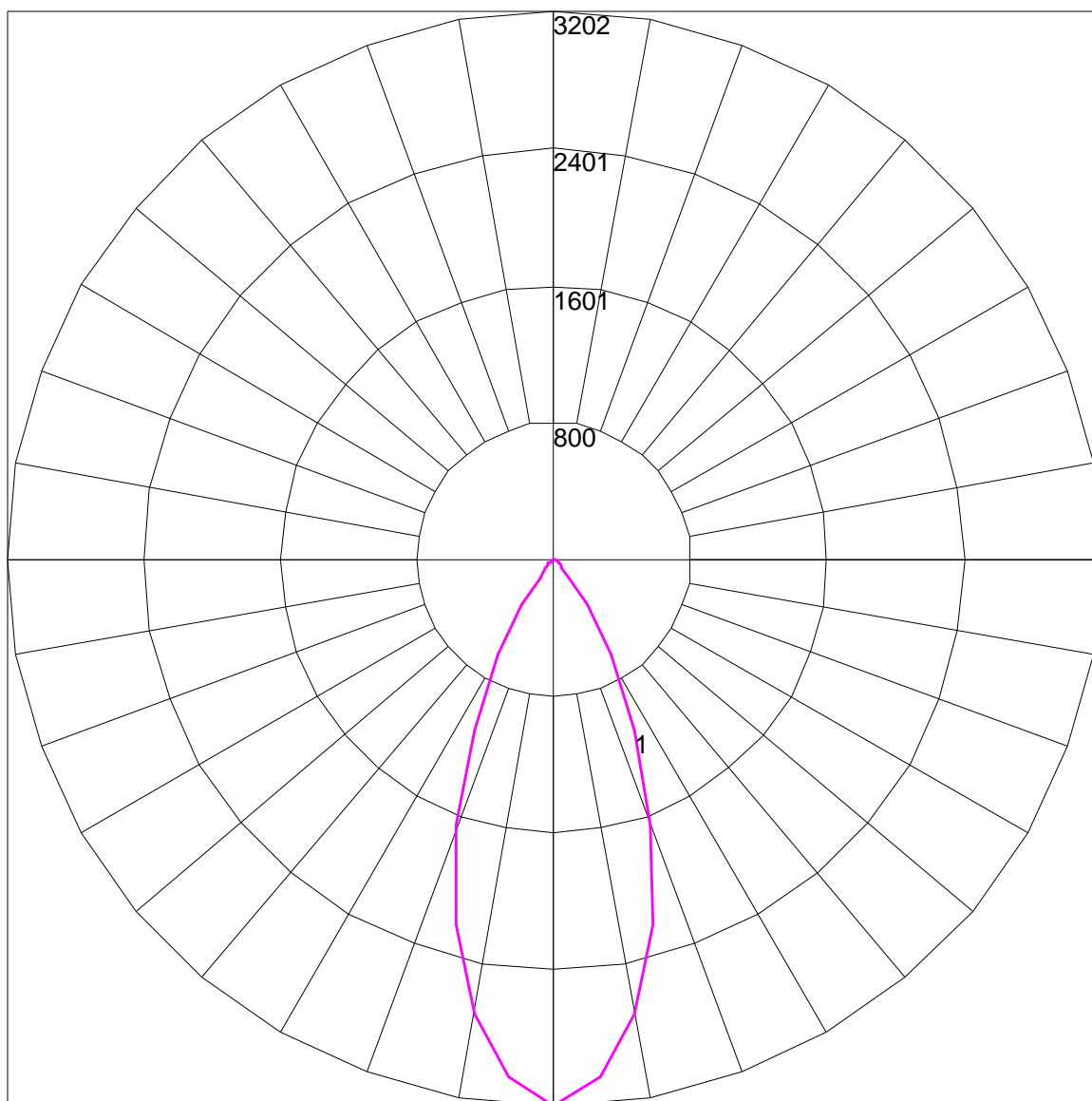
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	70	68
7	85	77	71	67	84	76	71	67	75	70	66	73	69	66	72	69	66	64
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61
9	78	69	63	60	77	68	63	60	68	63	59	67	62	59	66	62	59	58
10	75	66	60	57	74	65	60	56	64	60	56	64	59	56	63	59	56	55

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POLAR GRAPH



Maximum Candela = 3201.636 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)