

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_31 ~ SS3DMX-XT30LE1-SDD3X-XXK-MDMWSO.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_31\_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-SO  
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Medium Beam  
 [OTHER] Matte White Trim, Solite lens  
 [OTHER] 41.6 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	2373
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.72
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\_31 ~ SS3DMX-XT30LE1-SDD3X-XXK-MDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11662	17408	12571
55	5971	9334	7324
65	3113	3947	4125
75	1085	1361	1307
85	2725	2847	2590

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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>	4088.604	4088.604	4088.604	4088.604	4088.604
<b>5</b>	3971.460	3999.270	4021.206	4045.778	4063.458
<b>10</b>	3564.115	3628.526	3670.889	3721.524	3751.570
<b>15</b>	2911.849	3020.860	3081.659	3153.141	3162.480
<b>20</b>	2150.451	2298.637	2377.133	2452.133	2450.981
<b>25</b>	1350.675	1533.905	1661.790	1696.004	1640.540
<b>30</b>	661.008	831.095	1013.534	972.606	860.610
<b>35</b>	259.942	349.853	508.986	435.408	336.589
<b>40</b>	116.990	144.948	222.743	175.554	135.363
<b>45</b>	74.882	83.377	111.780	93.163	80.719
<b>50</b>	52.105	55.325	73.827	63.212	57.572
<b>55</b>	31.101	38.379	48.618	43.986	38.151
<b>60</b>	21.256	25.050	27.342	27.591	23.484
<b>65</b>	11.947	13.220	15.146	16.538	15.832
<b>70</b>	3.573	7.952	7.676	8.895	7.854
<b>75</b>	2.549	2.349	3.198	2.119	3.072
<b>80</b>	2.145	2.441	2.385	2.582	2.604
<b>85</b>	2.157	2.178	2.253	2.216	2.050
<b>90</b>	0.000	0.000	0.000	0.295	2.692

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Zone	Lumens	%Lamp	%Fixt
0-20	1219.59	N.A.	51.40
0-30	1949.57	N.A.	82.20
0-40	2234.26	N.A.	94.20
0-60	2351.11	N.A.	99.10
0-80	2370.55	N.A.	99.90
0-90	2372.52	N.A.	100.00
10-90	2000.46	N.A.	84.30
20-40	1014.68	N.A.	42.80
20-50	1093.59	N.A.	46.10
40-70	132.27	N.A.	5.60
60-80	19.45	N.A.	0.80
70-80	4.02	N.A.	0.20
80-90	1.97	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	2372.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	372.06
10-20	847.52
20-30	729.98
30-40	284.70
40-50	78.92
50-60	37.92
60-70	15.43
70-80	4.02
80-90	1.97
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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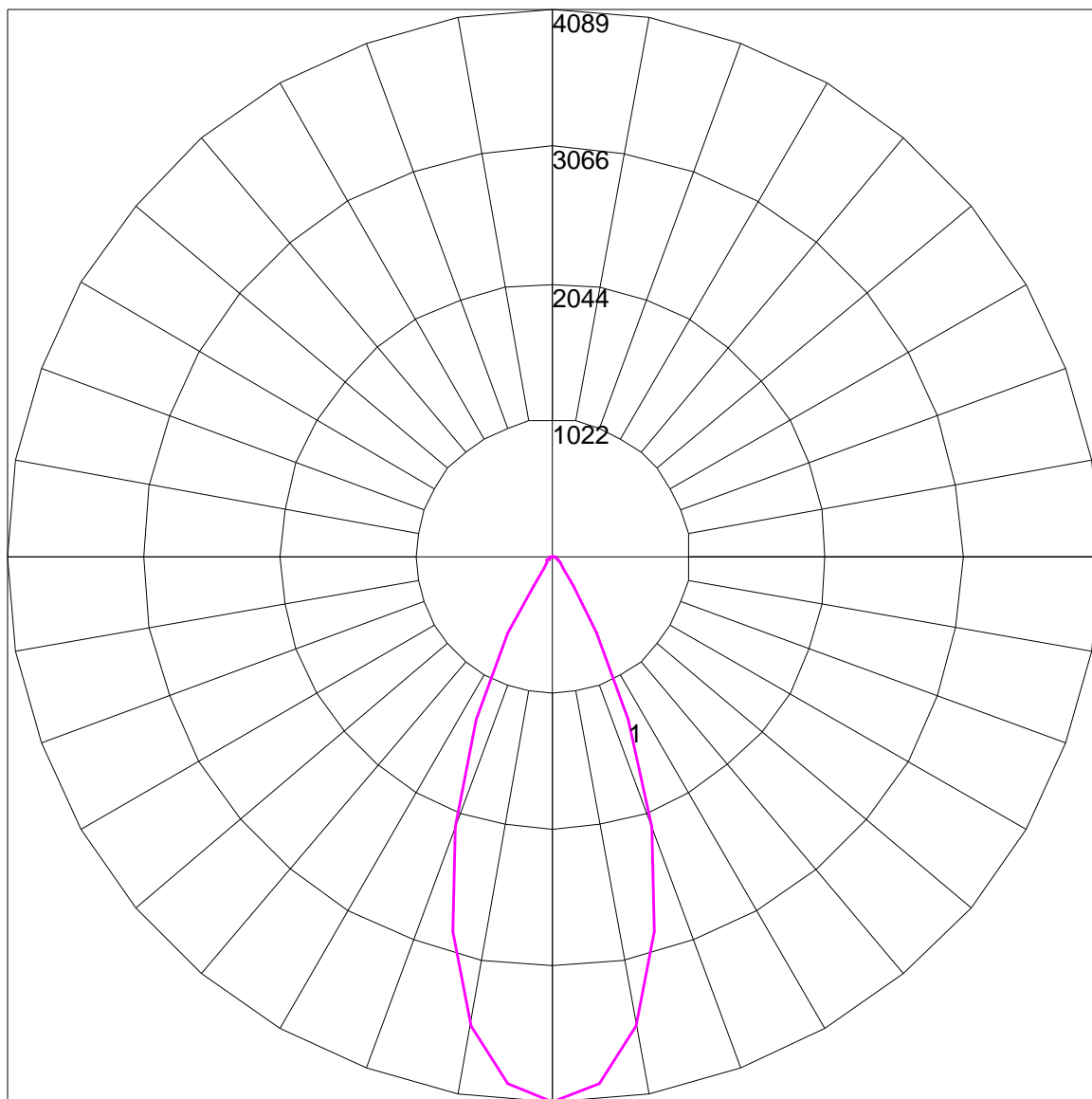
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	84
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	81	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	74	71	68	67
8	83	75	69	66	82	74	69	65	73	69	65	72	68	65	71	68	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58

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POLAR GRAPH



Maximum Candela = 4088.604 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)