

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_32 ~ SS3DMX-XT20LE1-SDD3X-XXK-MDMWGL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_32  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/17/2017  
 [UPDATE] 5/1/2017  
 [LUMCAT] SS3DMx-XT20L-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 New Construction IC Rated Housing: SS3DMI-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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1672
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	23.7
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-XT20LE1-SDD3X-XXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6832	10616	7083
55	3708	6355	4573
65	2588	3328	2764
75	536	1119	1139
85	1469	1747	2091

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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>	2697.335	2697.335	2697.335	2697.335	2697.335
<b>5</b>	2666.238	2691.985	2694.767	2706.371	2705.334
<b>10</b>	2449.191	2518.792	2529.886	2556.405	2547.363
<b>15</b>	2057.135	2155.166	2175.481	2191.794	2168.995
<b>20</b>	1588.146	1689.155	1711.768	1720.722	1677.817
<b>25</b>	1050.212	1193.062	1225.429	1231.711	1155.418
<b>30</b>	502.278	658.911	786.323	723.450	611.659
<b>35</b>	155.947	236.912	407.620	271.729	209.373
<b>40</b>	57.097	71.210	165.072	81.782	60.234
<b>45</b>	43.870	44.479	68.167	49.266	45.484
<b>50</b>	31.389	34.825	45.638	38.059	34.783
<b>55</b>	19.314	24.478	33.102	26.008	23.819
<b>60</b>	14.469	13.985	20.737	16.992	14.466
<b>65</b>	9.931	12.661	12.771	12.042	10.606
<b>70</b>	4.904	6.438	6.669	8.372	6.554
<b>75</b>	1.259	2.818	2.629	3.177	2.678
<b>80</b>	1.569	2.064	2.149	1.393	1.984
<b>85</b>	1.163	1.397	1.383	0.958	1.655
<b>90</b>	0.000	0.057	0.394	0.460	0.972

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Zone	Lumens	%Lamp	%Fixt
0-20	846.20	N.A.	50.60
0-30	1384.54	N.A.	82.80
0-40	1586.89	N.A.	94.90
0-60	1655.85	N.A.	99.00
0-80	1671.19	N.A.	99.90
0-90	1672.49	N.A.	100.00
10-90	1421.27	N.A.	85.00
20-40	740.69	N.A.	44.30
20-50	785.79	N.A.	47.00
40-70	80.62	N.A.	4.80
60-80	15.34	N.A.	0.90
70-80	3.67	N.A.	0.20
80-90	1.30	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	1672.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	251.22
10-20	594.99
20-30	538.34
30-40	202.35
40-50	45.10
50-60	23.86
60-70	11.67
70-80	3.67
80-90	1.30
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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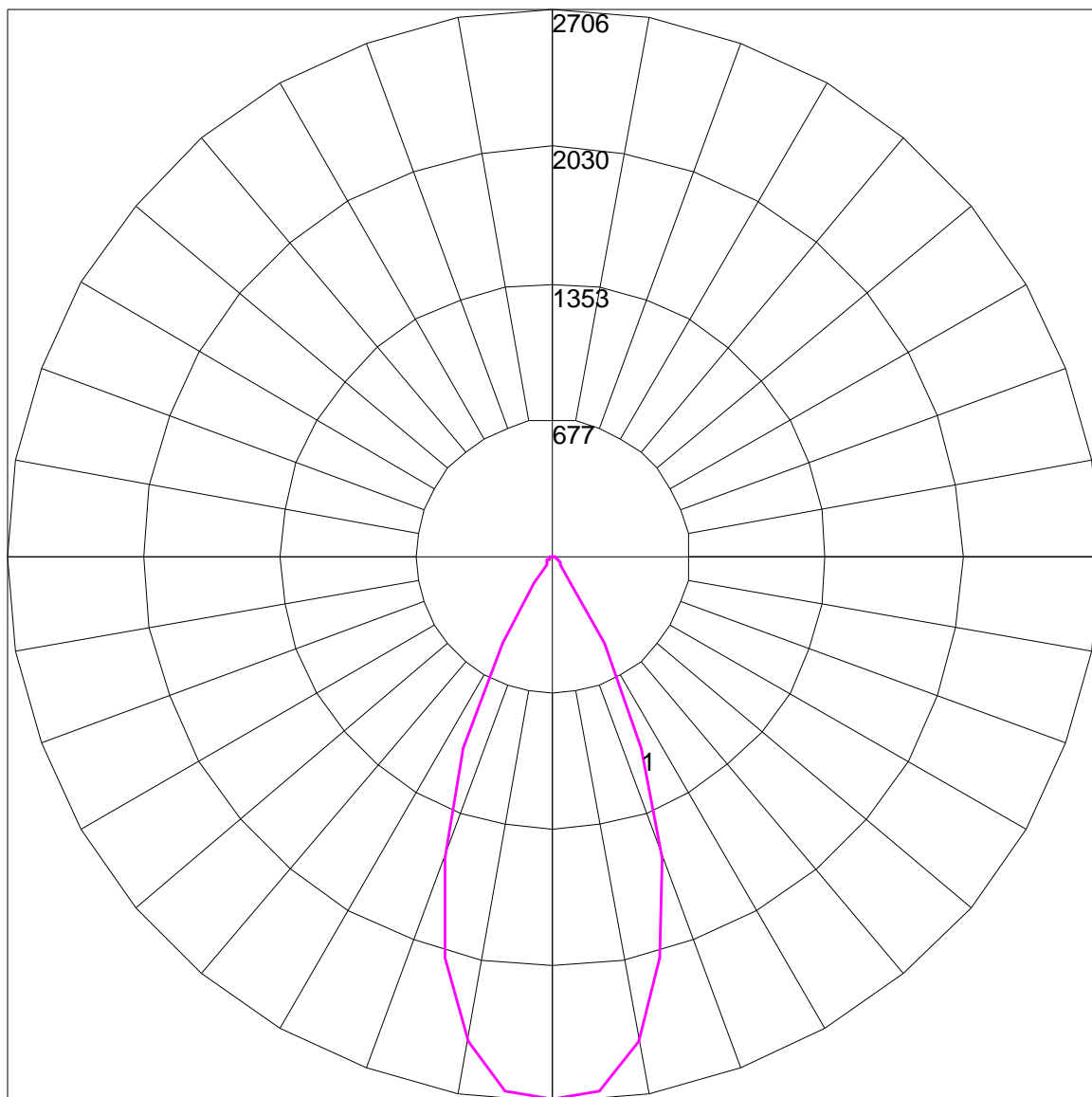
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	90	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	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	68	62	59	67	62	59	66	62	59	65	61	59	57

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POLAR GRAPH



Maximum Candela = 2706.371 Located At Horizontal Angle = 67.5, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)