

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_33 ~ SS3DMX-XT20LE1-SDD3X-XXK-WDMWNL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_33  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/17/2017  
 [UPDATE] 5/1/2017  
 [LUMCAT] SS3DMx-XT20L-E1-SDD3x-xxK-WD-MW-NL  
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Wide Beam  
 [OTHER] Matte White Trim, no lens  
 [OTHER] 48.2 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	1589
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.86
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\_33 ~ SS3DMX-XT20LE1-SDD3X-XXK-WDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4465	16232	4465
55	3047	2631	3047
65	3557	1684	3557
75	639	945	639
85	1615	2442	1615

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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>	2162.685	2162.685	2162.685	2162.685	2162.685
<b>5</b>	2134.395	2156.950	2164.303	2156.950	2134.395
<b>10</b>	2007.678	2056.597	2075.277	2056.597	2007.678
<b>15</b>	1747.061	1834.593	1887.522	1834.593	1747.061
<b>20</b>	1396.784	1507.040	1587.034	1507.040	1396.784
<b>25</b>	986.568	1130.177	1248.507	1130.177	986.568
<b>30</b>	600.662	736.419	909.392	736.419	600.662
<b>35</b>	338.598	408.593	571.819	408.593	338.598
<b>40</b>	115.124	202.270	288.958	202.270	115.124
<b>45</b>	28.670	44.093	104.231	44.093	28.670
<b>50</b>	17.633	18.230	30.806	18.230	17.633
<b>55</b>	15.871	15.096	13.702	15.096	15.871
<b>60</b>	14.370	14.151	7.277	14.151	14.370
<b>65</b>	13.651	13.063	6.463	13.063	13.651
<b>70</b>	4.231	8.388	5.640	8.388	4.231
<b>75</b>	1.502	2.484	2.220	2.484	1.502
<b>80</b>	1.328	1.125	1.391	1.125	1.328
<b>85</b>	1.278	1.019	1.933	1.019	1.278
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	705.84	N.A.	44.40
0-30	1217.58	N.A.	76.60
0-40	1496.78	N.A.	94.20
0-60	1574.1	N.A.	99.10
0-80	1587.79	N.A.	99.90
0-90	1588.84	N.A.	100.00
10-90	1386.92	N.A.	87.30
20-40	790.94	N.A.	49.80
20-50	854.06	N.A.	53.80
40-70	87.79	N.A.	5.50
60-80	13.68	N.A.	0.90
70-80	3.22	N.A.	0.20
80-90	1.05	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	1588.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	201.92
10-20	503.92
20-30	511.74
30-40	279.20
40-50	63.12
50-60	14.20
60-70	10.46
70-80	3.22
80-90	1.05
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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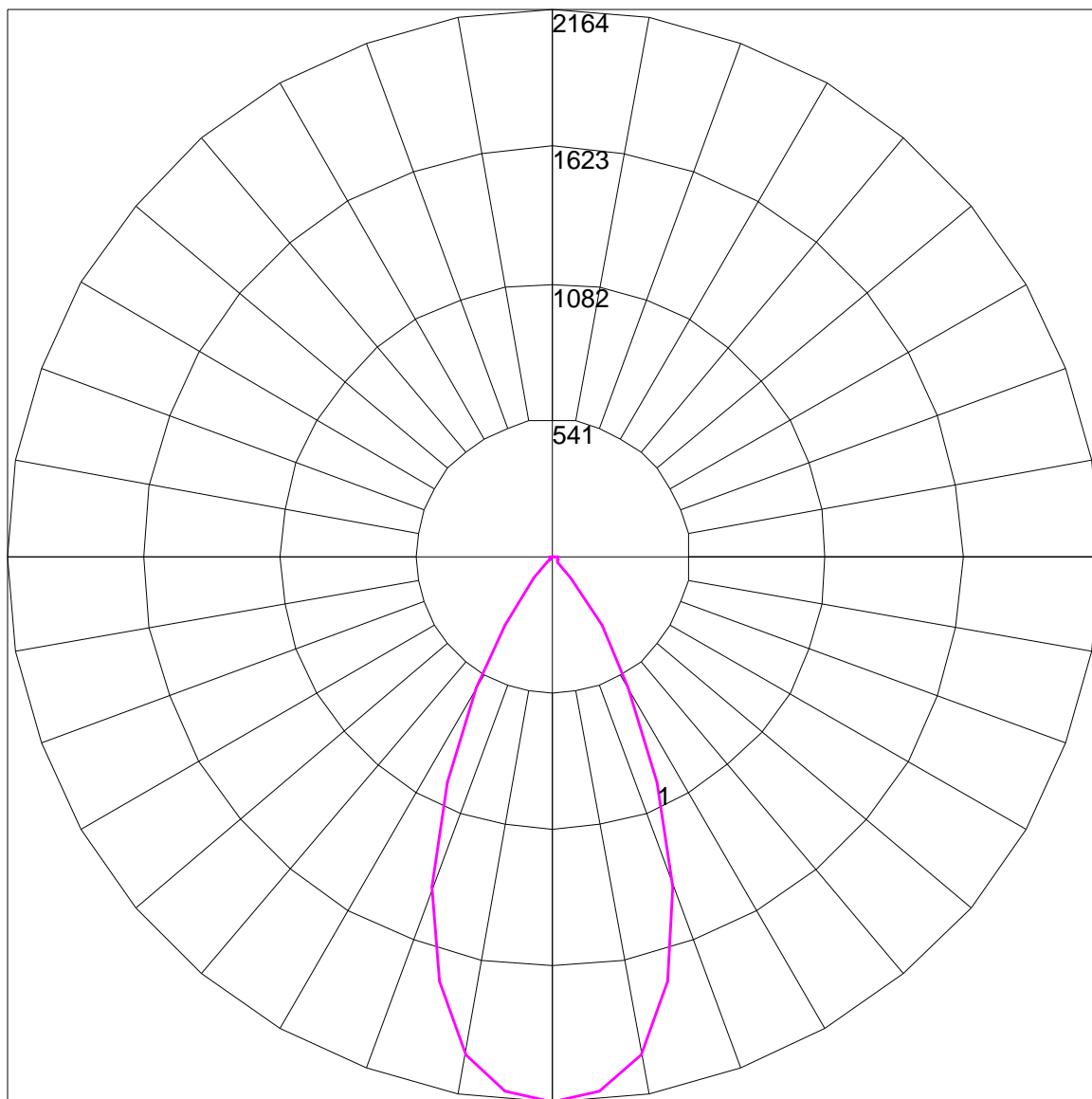
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	98	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	78	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	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	67	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	65	61	58	57
10	74	65	60	56	73	65	59	56	64	59	56	63	59	56	62	58	55	54

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POLAR GRAPH



Maximum Candela = 2164.303 Located At Horizontal Angle = 45, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)