

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_27 ~ SS3DMX-XT20LE1-SDD3X-XXK-NDMWNL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_27  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/17/2017  
 [UPDATE] 5/1/2017  
 [LUMCAT] SS3DMx-XT20L-E1-SDD3x-xxK-ND-MW-NL  
 [LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Narrow Beam  
 [OTHER] Matte White Trim, No Lens  
 [OTHER] 26.8 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	1172
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	49
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.52
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.58
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\_27 ~ SS3DMX-XT20LE1-SDD3X-XXK-NDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4609	6036	4609
55	3631	7723	3631
65	4067	5931	4067
75	908	1153	908
85	1588	1362	1588

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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>	2848.304	2848.304	2848.304	2848.304	2848.304
<b>5</b>	3050.351	3018.616	2978.966	3018.616	3050.351
<b>10</b>	2502.900	2559.398	2533.278	2559.398	2502.900
<b>15</b>	1380.606	1420.825	1458.461	1420.825	1380.606
<b>20</b>	907.238	967.712	981.487	967.712	907.238
<b>25</b>	494.779	653.857	711.352	653.857	494.779
<b>30</b>	216.369	347.534	503.208	347.534	216.369
<b>35</b>	55.043	104.750	254.689	104.750	55.043
<b>40</b>	41.060	41.154	79.412	41.154	41.060
<b>45</b>	29.597	34.102	38.756	34.102	29.597
<b>50</b>	24.956	32.073	39.299	32.073	24.956
<b>55</b>	18.915	27.104	40.225	27.104	18.915
<b>60</b>	25.038	34.811	43.794	34.811	25.038
<b>65</b>	15.607	22.585	22.764	22.585	15.607
<b>70</b>	4.126	5.566	4.778	5.566	4.126
<b>75</b>	2.135	1.942	2.711	1.942	2.135
<b>80</b>	1.554	1.687	2.022	1.687	1.554
<b>85</b>	1.257	1.490	1.078	1.490	1.257
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	699.52	N.A.	59.70
0-30	989.99	N.A.	84.50
0-40	1091.3	N.A.	93.10
0-60	1148.09	N.A.	97.90
0-80	1171.07	N.A.	99.90
0-90	1172.26	N.A.	100.00
10-90	903.42	N.A.	77.10
20-40	391.78	N.A.	33.40
20-50	420.88	N.A.	35.90
40-70	76.83	N.A.	6.60
60-80	22.98	N.A.	2.00
70-80	2.93	N.A.	0.20
80-90	1.20	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	1172.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	268.85
10-20	430.67
20-30	290.47
30-40	101.31
40-50	29.09
50-60	27.69
60-70	20.05
70-80	2.93
80-90	1.20
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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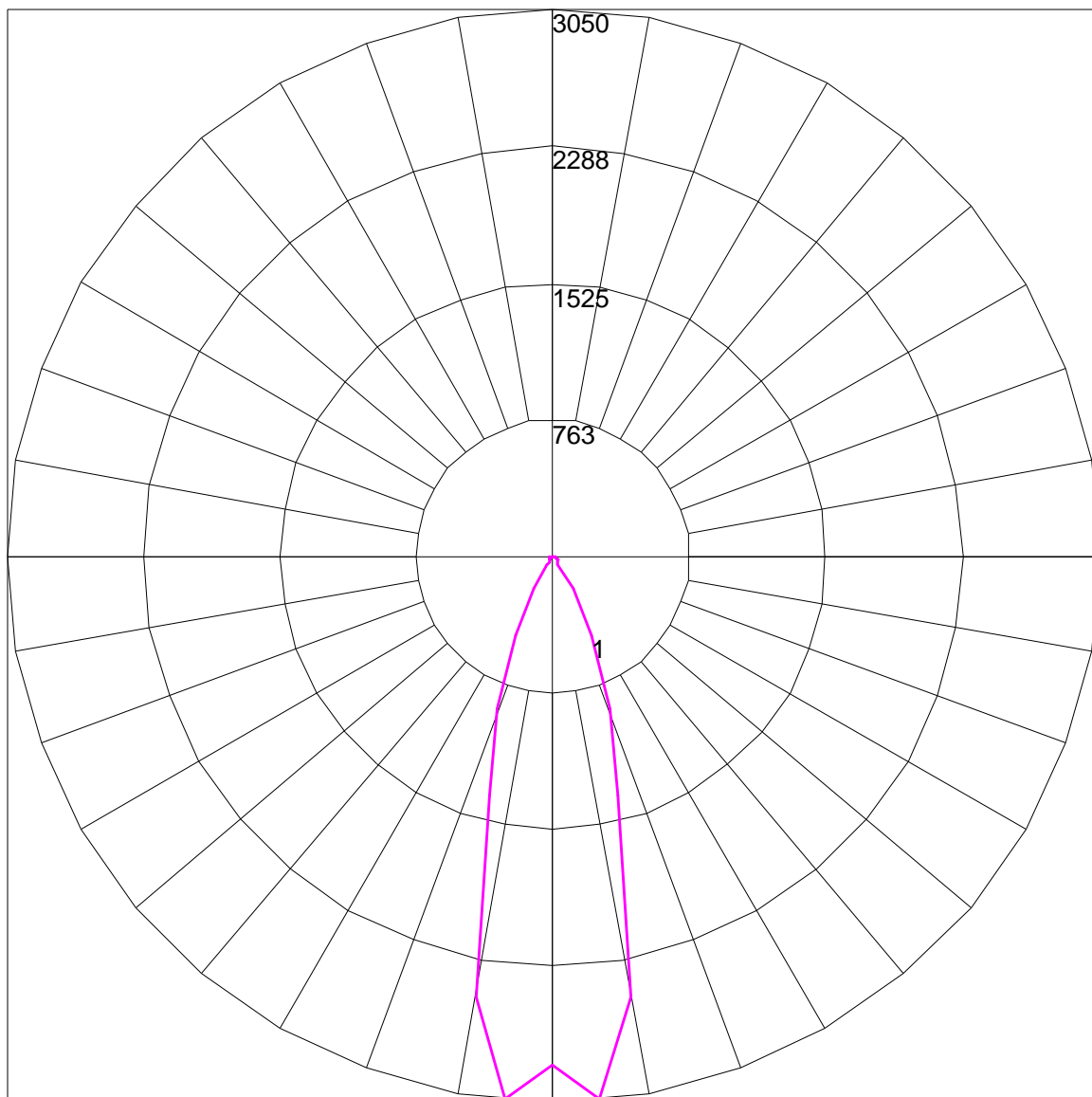
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	77
6	93	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73
7	89	81	76	72	88	80	76	72	79	75	72	78	74	71	77	74	71	70
8	86	78	73	69	85	77	72	69	76	72	69	75	71	68	74	71	68	67
9	83	75	70	66	82	74	69	66	73	69	66	72	68	66	72	68	65	64
10	80	72	67	63	79	71	67	63	71	66	63	70	66	63	69	66	63	62

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POLAR GRAPH



Maximum Candela = 3050.351 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)