

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_25 ~ SS3DMX-XT20LE1-SDD3X-XXK-XNMWSO.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_25  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/17/2017  
 [UPDATE] 5/1/2017  
 [LUMCAT] SS3DMx-XT20L-E1-SDD3x-xxK-XN-MW-SO  
 [LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Xtra Narrow Beam  
 [OTHER] Matte White Trim, Solite Lens  
 [OTHER] 13.5 Degree Beam Angle  
 [LAMP] N/A, 9mm LES  
 [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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1196
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	32
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.26
Spacing Criterion (Diagonal)	0.26
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\_25 ~ SS3DMX-XT20LE1-SDD3X-XXK-XNMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3487	6355	3738
55	2797	3816	2918
65	1160	1427	1638
75	488	489	449
85	0	0	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>	9341.213	9341.213	9341.213	9341.213	9341.213
<b>5</b>	6423.425	6554.978	6615.384	6503.208	6376.985
<b>10</b>	2373.464	2424.942	2374.186	2313.136	2182.843
<b>15</b>	949.270	964.340	958.405	945.708	919.681
<b>20</b>	663.214	677.765	688.833	657.457	656.831
<b>25</b>	448.262	506.829	591.594	515.603	458.108
<b>30</b>	194.464	265.493	440.037	247.634	178.508
<b>35</b>	66.552	99.414	222.626	75.955	61.345
<b>40</b>	32.050	40.248	74.216	40.675	31.016
<b>45</b>	22.389	28.131	40.805	27.834	24.004
<b>50</b>	18.099	19.792	29.744	20.004	17.987
<b>55</b>	14.571	18.058	19.875	17.596	15.201
<b>60</b>	9.033	10.886	12.725	11.993	11.067
<b>65</b>	4.452	6.752	5.478	5.762	6.285
<b>70</b>	2.791	2.597	2.524	3.762	1.137
<b>75</b>	1.147	1.178	1.150	2.653	1.056
<b>80</b>	0.999	1.172	0.680	0.862	0.874
<b>85</b>	0.000	0.000	0.000	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	836.07	N.A.	69.90
0-30	1062.11	N.A.	88.80
0-40	1148.13	N.A.	96.00
0-60	1188.1	N.A.	99.30
0-80	1196.22	N.A.	100.00
0-90	1196.47	N.A.	100.00
10-90	689.70	N.A.	57.60
20-40	312.05	N.A.	26.10
20-50	336.73	N.A.	28.10
40-70	46.33	N.A.	3.90
60-80	8.12	N.A.	0.70
70-80	1.76	N.A.	0.10
80-90	0.25	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	1196.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	506.76
10-20	329.31
20-30	226.04
30-40	86.02
40-50	24.68
50-60	15.30
60-70	6.36
70-80	1.76
80-90	0.25
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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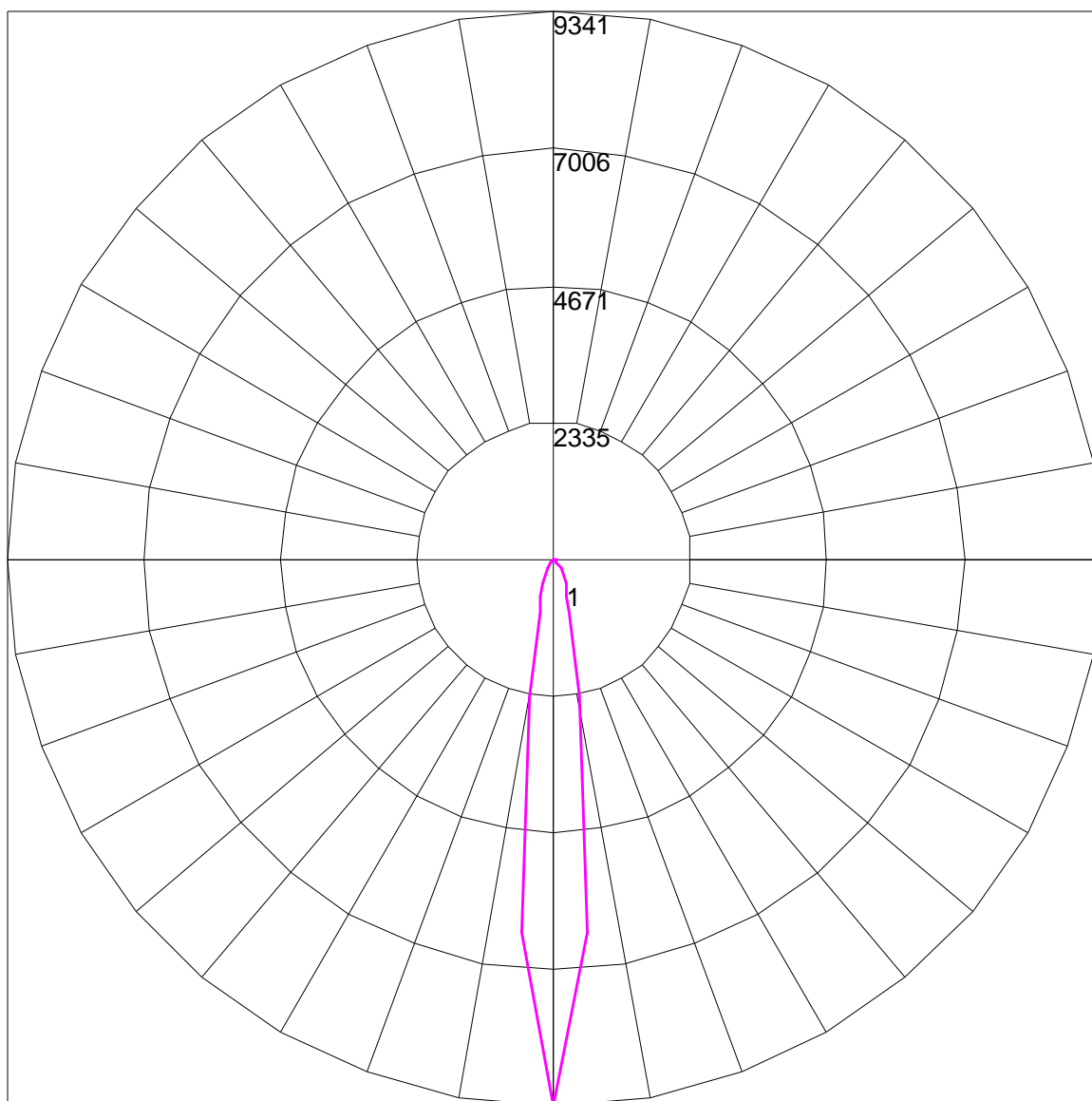
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	87	84	82	86	84	81	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	81	78	91	85	80	78	84	80	77	83	79	77	82	79	77	76
9	89	83	78	75	89	82	78	75	81	78	75	81	77	75	80	77	75	74
10	87	80	76	73	86	80	76	73	79	76	73	79	75	73	78	75	73	72

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POLAR GRAPH



Maximum Candela = 9341.213 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)