

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_25 ~ SS3DMX-XT10LE1-SDD3X-XXK-XNMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00545\_25\_M-10L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 2/17/2017  
[UPDATE] 5/1/2017  
[LUMCAT] SS3DMx-XT10L-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 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, scaled from 20L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	577
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	39
Total Luminaire Watts	14.8
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-XT10LE1-SDD3X-XXK-XNMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1682	3066	1804
55	1350	1841	1408
65	560	689	790
75	235	236	217
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>	4507.135	4507.135	4507.135	4507.135	4507.135
<b>5</b>	3099.302	3162.777	3191.923	3137.798	3076.895
<b>10</b>	1145.196	1170.034	1145.545	1116.088	1053.222
<b>15</b>	458.023	465.294	462.430	456.304	443.746
<b>20</b>	320.001	327.022	332.362	317.223	316.921
<b>25</b>	216.286	244.545	285.444	248.778	221.037
<b>30</b>	93.829	128.100	212.318	119.483	86.130
<b>35</b>	32.111	47.967	107.417	36.648	29.599
<b>40</b>	15.464	19.420	35.809	19.626	14.965
<b>45</b>	10.803	13.573	19.688	13.430	11.582
<b>50</b>	8.733	9.550	14.351	9.652	8.679
<b>55</b>	7.031	8.713	9.590	8.490	7.334
<b>60</b>	4.358	5.252	6.140	5.787	5.340
<b>65</b>	2.148	3.258	2.643	2.780	3.033
<b>70</b>	1.347	1.253	1.218	1.815	0.549
<b>75</b>	0.553	0.568	0.555	1.280	0.510
<b>80</b>	0.482	0.565	0.328	0.416	0.422
<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	403.41	N.A.	69.90
0-30	512.47	N.A.	88.80
0-40	553.97	N.A.	96.00
0-60	573.26	N.A.	99.30
0-80	577.18	N.A.	100.00
0-90	577.30	N.A.	100.00
10-90	332.78	N.A.	57.60
20-40	150.57	N.A.	26.10
20-50	162.47	N.A.	28.10
40-70	22.36	N.A.	3.90
60-80	3.92	N.A.	0.70
70-80	0.85	N.A.	0.10
80-90	0.12	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	577.30	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	244.51
10-20	158.89
20-30	109.06
30-40	41.50
40-50	11.91
50-60	7.38
60-70	3.07
70-80	0.85
80-90	0.12
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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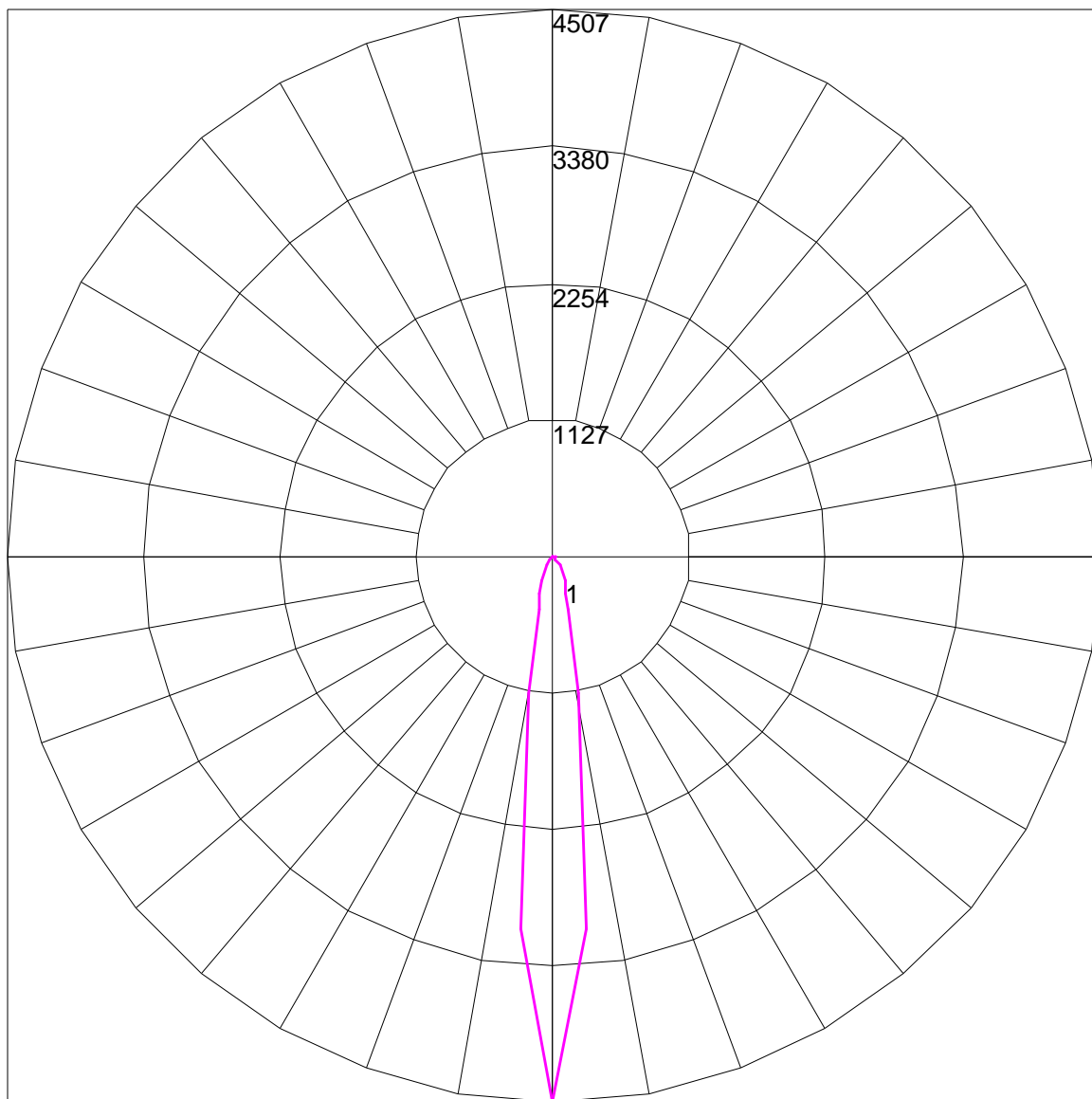
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	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 = 4507.135 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)