

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_15 ~ SS3MX-XT20LE1-SD3X-XXK-NDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00545\_15  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 2/17/2017  
[UPDATE] 5/8/2017  
[LUMCAT] SS3Mx-XT20L-E1-SD3x-ND-MW-NL  
[LUMINAIRE] Nom. 3" Square Downlight, Narrow Beam  
[OTHER] Matte White Trim, No Lens  
[OTHER] 25.8 Degree Beam Angle  
[LAMP] N/A  
[LAMPCAT] N/A, Min. 83 CRI  
[OTHER] Total Luminaire Watts is approximate  
[OTHER] For New Construction Non-IC Housing: SS3MO-XT-series  
[OTHER] For Remodel/Retrofit Housing: SS3MR-XT-Series  
[OTHER] For SD3F or SD3N 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	1674
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)	0.38
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.52
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\_15 ~ SS3MX-XT20LE1-SD3X-XXK-NDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8999	8202	8999
55	15518	17276	15518
65	13180	17842	13180
75	3996	4301	3996
85	0	0	0

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_15 ~ SS3MX-XT20LE1-SD3X-XXK-NDMWNL.IES****CANDELA TABULATION**

	<b><u>0.0</u></b>	<b><u>22.5</u></b>	<b><u>45.0</u></b>	<b><u>67.5</u></b>	<b><u>90.0</u></b>
<b>0</b>	3975.526	3975.526	3975.526	3975.526	3975.526
<b>5</b>	3444.953	3955.003	3754.233	3955.003	3444.953
<b>10</b>	2147.428	3246.250	2834.820	3246.250	2147.428
<b>15</b>	1457.101	2008.685	1701.085	2008.685	1457.101
<b>20</b>	960.389	1355.462	1202.067	1355.462	960.389
<b>25</b>	523.125	985.370	869.290	985.370	523.125
<b>30</b>	215.962	726.538	607.532	726.538	215.962
<b>35</b>	56.673	427.645	317.212	427.645	56.673
<b>40</b>	49.751	157.777	112.041	157.777	49.751
<b>45</b>	57.782	50.992	52.666	50.992	57.782
<b>50</b>	51.148	50.042	72.126	50.042	51.148
<b>55</b>	80.828	64.815	89.987	64.815	80.828
<b>60</b>	97.572	92.666	110.259	92.666	97.572
<b>65</b>	50.581	101.587	68.473	101.587	50.581
<b>70</b>	12.300	53.056	30.164	53.056	12.300
<b>75</b>	9.391	18.798	10.110	18.798	9.391
<b>80</b>	17.026	11.349	7.176	11.349	17.026
<b>85</b>	0.000	16.622	0.000	16.622	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	855.26	N.A.	51.10
0-30	1249.65	N.A.	74.70
0-40	1449.9	N.A.	86.60
0-60	1572.39	N.A.	93.90
0-80	1666.07	N.A.	99.50
0-90	1673.79	N.A.	100.00
10-90	1343.36	N.A.	80.30
20-40	594.63	N.A.	35.50
20-50	648.58	N.A.	38.70
40-70	195.78	N.A.	11.70
60-80	93.68	N.A.	5.60
70-80	20.40	N.A.	1.20
80-90	7.72	N.A.	0.50
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	1673.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	330.43
10-20	524.83
20-30	394.39
30-40	200.24
40-50	53.94
50-60	68.55
60-70	73.28
70-80	20.40
80-90	7.72
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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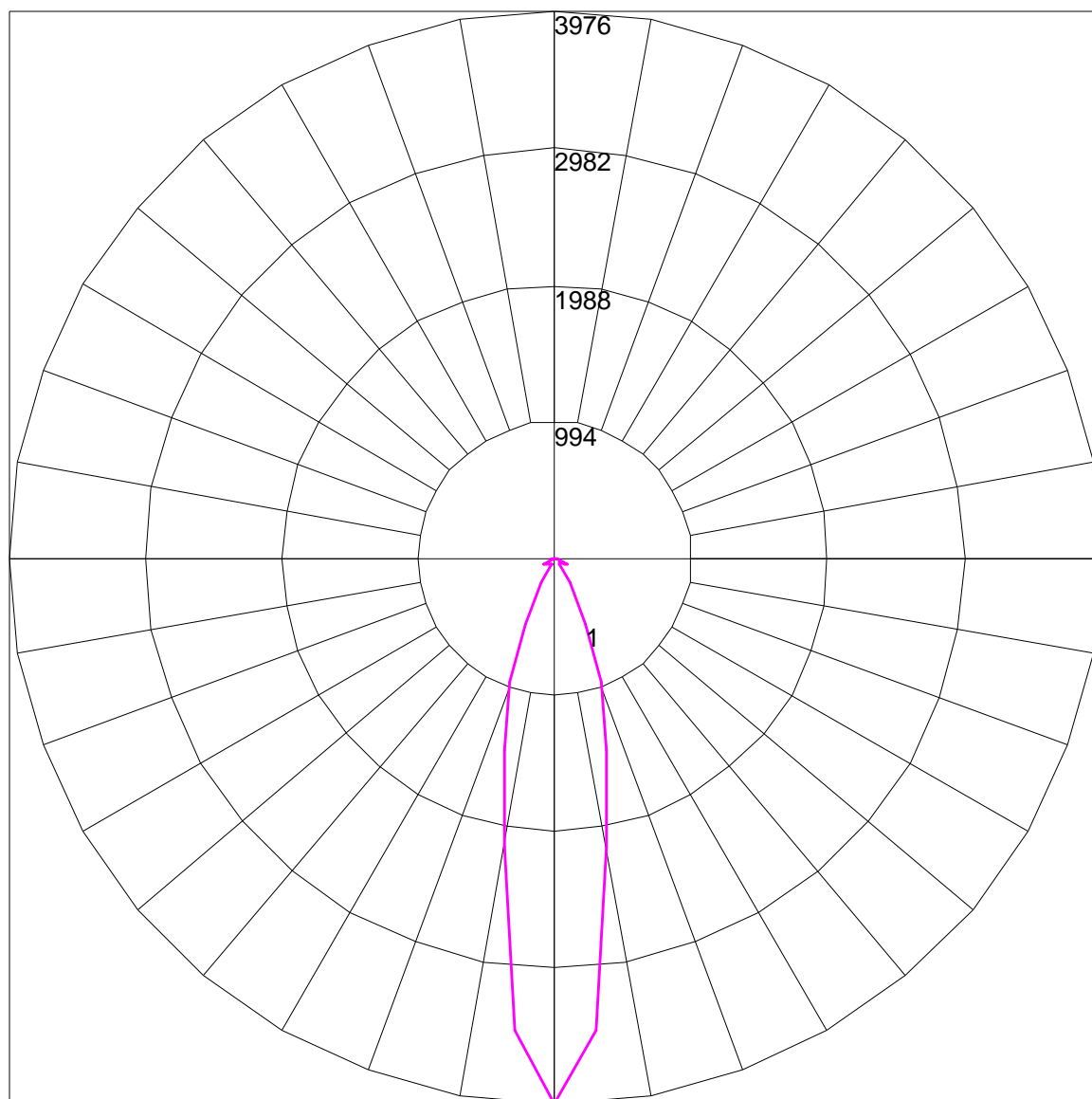
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	96	90	86	100	94	89	86	92	88	84	89	86	83	87	84	82	80
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61
9	78	69	64	60	77	69	63	60	68	63	60	67	63	59	66	62	59	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

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POLAR GRAPH



Maximum Candela = 3975.526 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)