

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_17 ~ SS3MX-XT20LE1-SD3X-XXK-NDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_17
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/17/2017
[UPDATE] 5/8/2017
[LUMCAT] SS3Mx-XT20L-E1-SD3x-ND-MW-GL
[LUMINAIRE] Nom. 3" Square Downlight, Narrow Beam
[OTHER] Matte White Trim, Clear Glass Lens
[OTHER] 26.9 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 New Construction IC Rated Housing: SS3MI-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	1221
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7211	9187	7705
55	8480	12551	8680
65	12108	8592	11310
75	2288	2709	2295
85	2403	2435	1840

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3293.081	3293.081	3293.081	3293.081	3293.081
5	3108.188	3066.918	3079.240	3093.530	3119.722
10	2268.061	2231.712	2241.896	2262.365	2276.886
15	1414.313	1395.484	1330.862	1358.086	1426.056
20	951.144	951.643	940.209	955.082	957.169
25	553.958	622.955	691.195	678.197	559.666
30	255.938	318.528	487.332	391.393	257.731
35	79.872	103.686	250.420	145.308	79.890
40	52.944	54.249	85.790	57.164	54.888
45	46.307	48.719	58.995	51.343	49.473
50	48.224	57.212	67.735	58.022	51.603
55	44.171	52.439	65.373	57.445	45.213
60	59.549	61.627	62.890	61.950	59.284
65	46.467	39.210	32.973	38.824	43.404
70	17.522	14.641	13.234	13.014	16.105
75	5.378	6.659	6.367	6.195	5.394
80	5.715	4.975	5.008	5.369	7.139
85	1.902	1.187	1.927	1.440	1.456
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	674.29	N.A.	55.20
0-30	967.45	N.A.	79.30
0-40	1076.95	N.A.	88.20
0-60	1171.9	N.A.	96.00
0-80	1218.33	N.A.	99.80
0-90	1220.66	N.A.	100.00
10-90	953.32	N.A.	78.10
20-40	402.65	N.A.	33.00
20-50	446.08	N.A.	36.50
40-70	132.90	N.A.	10.90
60-80	46.43	N.A.	3.80
70-80	8.48	N.A.	0.70
80-90	2.33	N.A.	0.20
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	1220.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	267.34
10-20	406.96
20-30	293.16
30-40	109.49
40-50	43.42
50-60	51.53
60-70	37.95
70-80	8.48
80-90	2.33
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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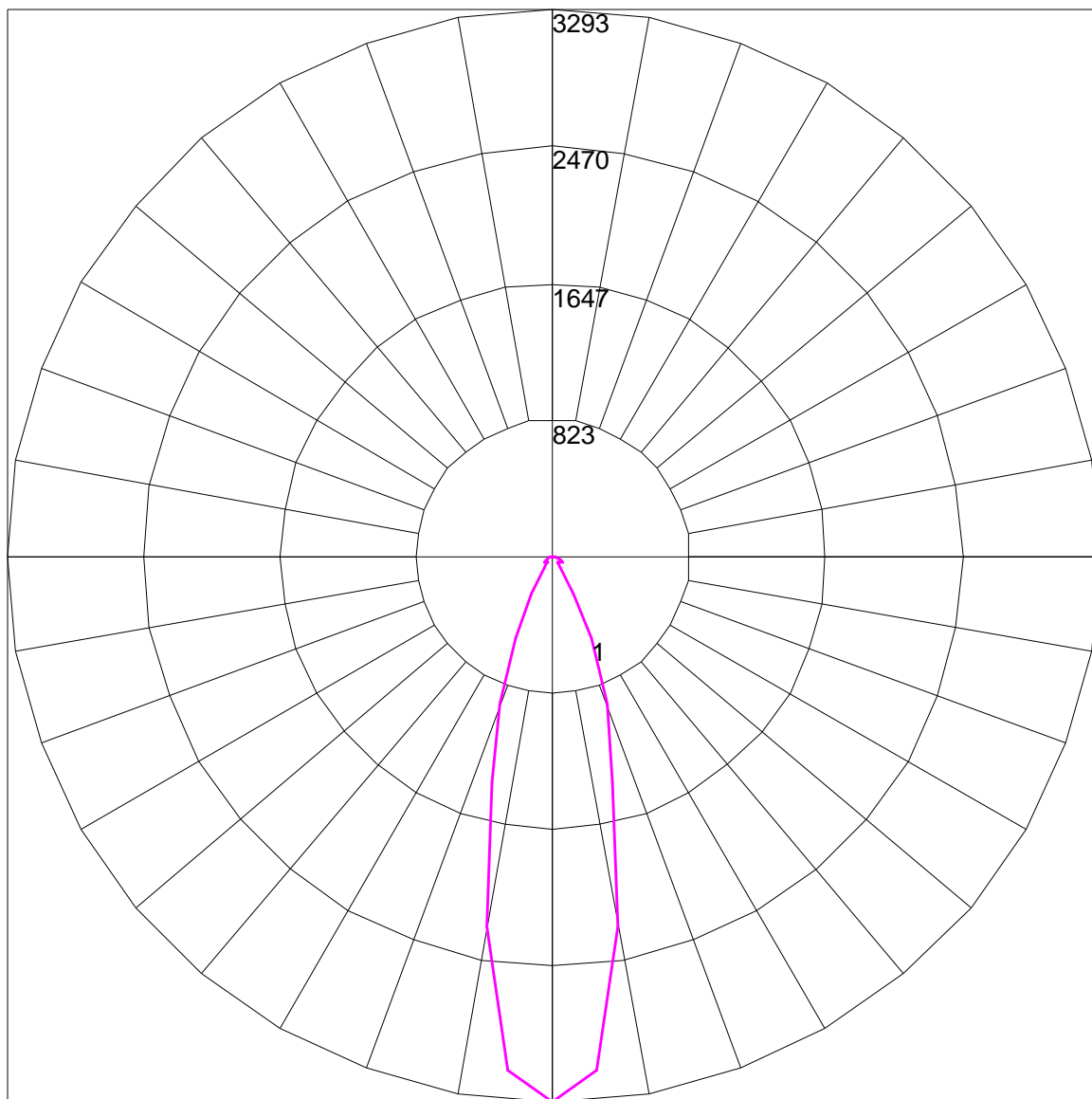
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94
2	108	103	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	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	77	73	89	81	76	72	80	75	72	79	75	71	77	74	71	70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	71	68	66
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	69	64	60	77	68	63	60	68	63	60	67	63	60	66	62	60	58

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POLAR GRAPH



Maximum Candela = 3293.081 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)