

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_19 ~ SS3MX-XT20LE1-SD3X-XXK-MDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_19
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/17/2017
[UPDATE] 5/8/2017
[LUMCAT] SS3Mx-XT20L-E1-SD3x-MD-MW-SO
[LUMINAIRE] Nom. 3" Square Downlight, Medium Beam
[OTHER] Matte White Trim, Solite Lens
[OTHER] 41.5 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	1371
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.66
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	8008	9355	7352
55	6026	5618	5150
65	3723	4207	3677
75	2869	3027	1937
85	1675	1754	1596

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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	2808.204	2808.204	2808.204	2808.204	2808.204
5	2705.681	2689.550	2630.229	2709.424	2812.382
10	2398.574	2403.152	2335.367	2191.109	2502.162
15	1933.701	1960.668	1894.106	1734.788	1938.800
20	1410.947	1460.202	1385.163	1219.900	1322.317
25	838.618	943.271	908.315	702.083	748.437
30	354.749	468.030	497.893	316.441	349.054
35	120.916	178.213	226.658	131.263	151.632
40	68.151	78.187	101.839	66.558	74.777
45	51.422	51.407	60.074	46.800	47.211
50	38.269	39.124	40.926	36.220	36.507
55	31.385	28.771	29.261	26.729	26.825
60	19.997	22.035	20.472	19.569	19.774
65	14.287	15.993	16.144	14.237	14.112
70	9.946	11.192	10.880	10.018	8.706
75	6.742	7.314	7.115	6.506	4.552
80	3.679	4.278	4.161	2.825	2.804
85	1.326	1.786	1.388	1.167	1.263
90	1.109	1.420	1.058	1.466	1.396

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Zone	Lumens	%Lamp	%Fixt
0-20	763.87	N.A.	55.70
0-30	1151.66	N.A.	84.00
0-40	1277.89	N.A.	93.20
0-60	1346.33	N.A.	98.20
0-80	1368.64	N.A.	99.80
0-90	1370.75	N.A.	100.00
10-90	1124.57	N.A.	82.00
20-40	514.02	N.A.	37.50
20-50	556.61	N.A.	40.60
40-70	83.56	N.A.	6.10
60-80	22.31	N.A.	1.60
70-80	7.19	N.A.	0.50
80-90	2.11	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	1370.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	246.18
10-20	517.68
20-30	387.79
30-40	126.23
40-50	42.58
50-60	25.86
60-70	15.12
70-80	7.19
80-90	2.11
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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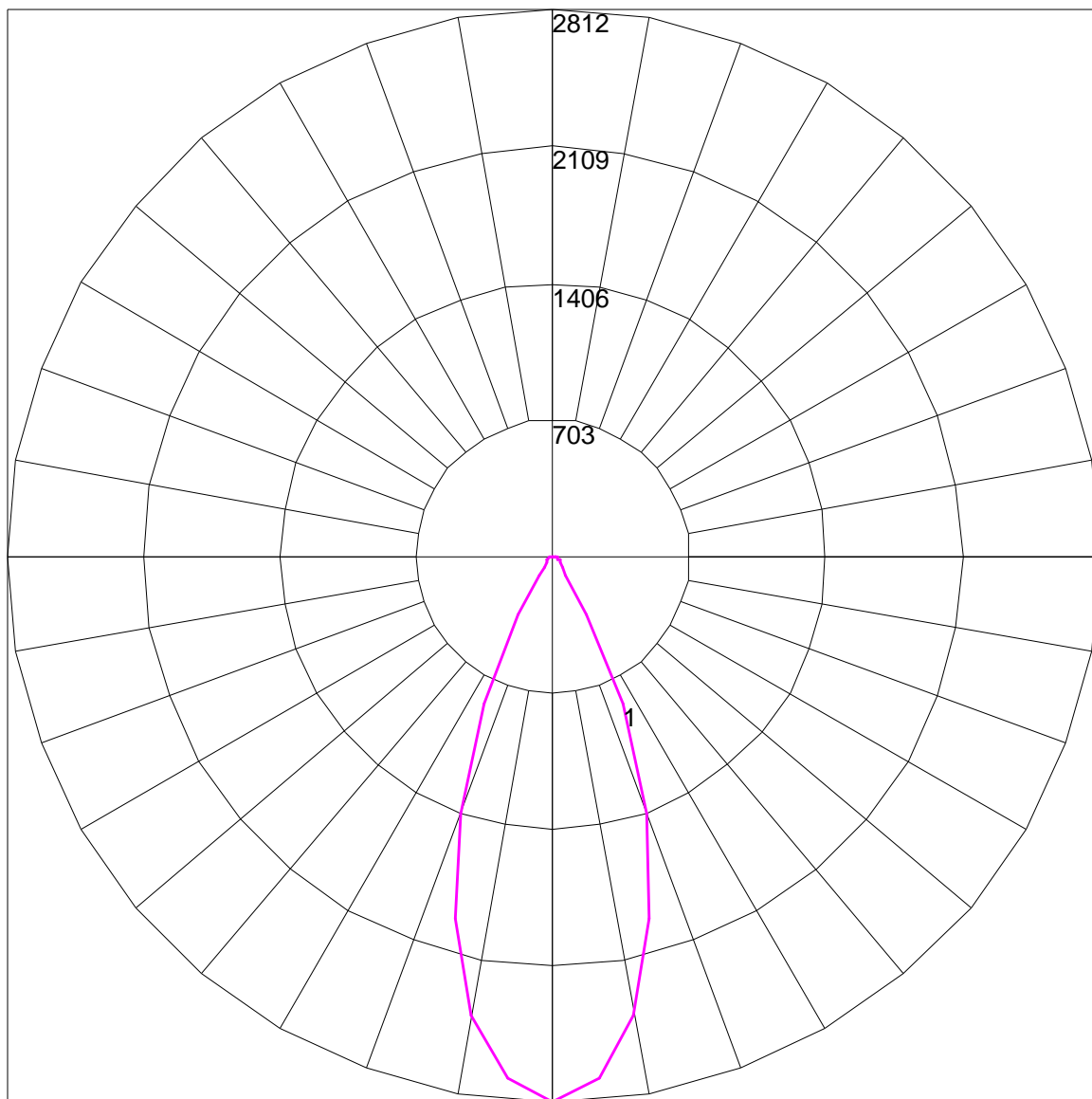
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	76	75
6	91	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59

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POLAR GRAPH



Maximum Candela = 2812.382 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)