

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_23 ~ SS3MX-XT20LE1-SD3X-XXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_23
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/16/2017
[UPDATE] 5/8/2017
[LUMCAT] SS3MRx-XT20L-E1-SD3F-WD-MW-GL
[LUMINAIRE] Nominal 3" Square Downlight, Wide Beam
[OTHER] Matte White Trim, clear glass lens
[OTHER] 49.2 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 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	1627
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.82
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	6629	15292	6404
55	5265	6044	5337
65	5738	5389	6702
75	7961	7048	8491
85	1923	2505	1646

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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	2273.547	2273.547	2273.547	2273.547	2273.547
5	2235.315	2239.899	2224.504	2205.243	2216.701
10	2085.162	2110.783	2100.391	2062.509	2036.288
15	1781.142	1844.526	1861.876	1796.739	1730.541
20	1442.028	1523.547	1529.126	1447.912	1353.205
25	1032.120	1163.045	1199.302	1059.749	928.270
30	644.224	773.083	872.107	684.825	558.695
35	357.212	437.978	538.341	382.985	325.688
40	132.490	226.053	263.291	204.468	109.052
45	42.568	52.930	98.195	49.724	41.125
50	34.645	32.015	35.880	34.386	33.352
55	27.424	30.148	31.480	30.026	27.801
60	24.568	25.520	24.301	27.172	26.321
65	22.021	22.537	20.682	24.233	25.721
70	23.202	22.824	19.789	22.238	25.116
75	18.712	18.670	16.565	17.810	19.958
80	7.849	9.268	9.564	8.651	7.007
85	1.522	2.094	1.983	1.548	1.303
90	1.153	1.323	1.082	0.759	1.030

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Zone	Lumens	%Lamp	%Fixt
0-20	710.19	N.A.	43.60
0-30	1212.3	N.A.	74.50
0-40	1487.75	N.A.	91.40
0-60	1582.53	N.A.	97.30
0-80	1623.45	N.A.	99.80
0-90	1627.07	N.A.	100.00
10-90	1419.21	N.A.	87.20
20-40	777.55	N.A.	47.80
20-50	845.64	N.A.	52.00
40-70	117.98	N.A.	7.30
60-80	40.91	N.A.	2.50
70-80	17.72	N.A.	1.10
80-90	3.62	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	1627.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	207.86
10-20	502.33
20-30	502.11
30-40	275.45
40-50	68.09
50-60	26.70
60-70	23.19
70-80	17.72
80-90	3.62
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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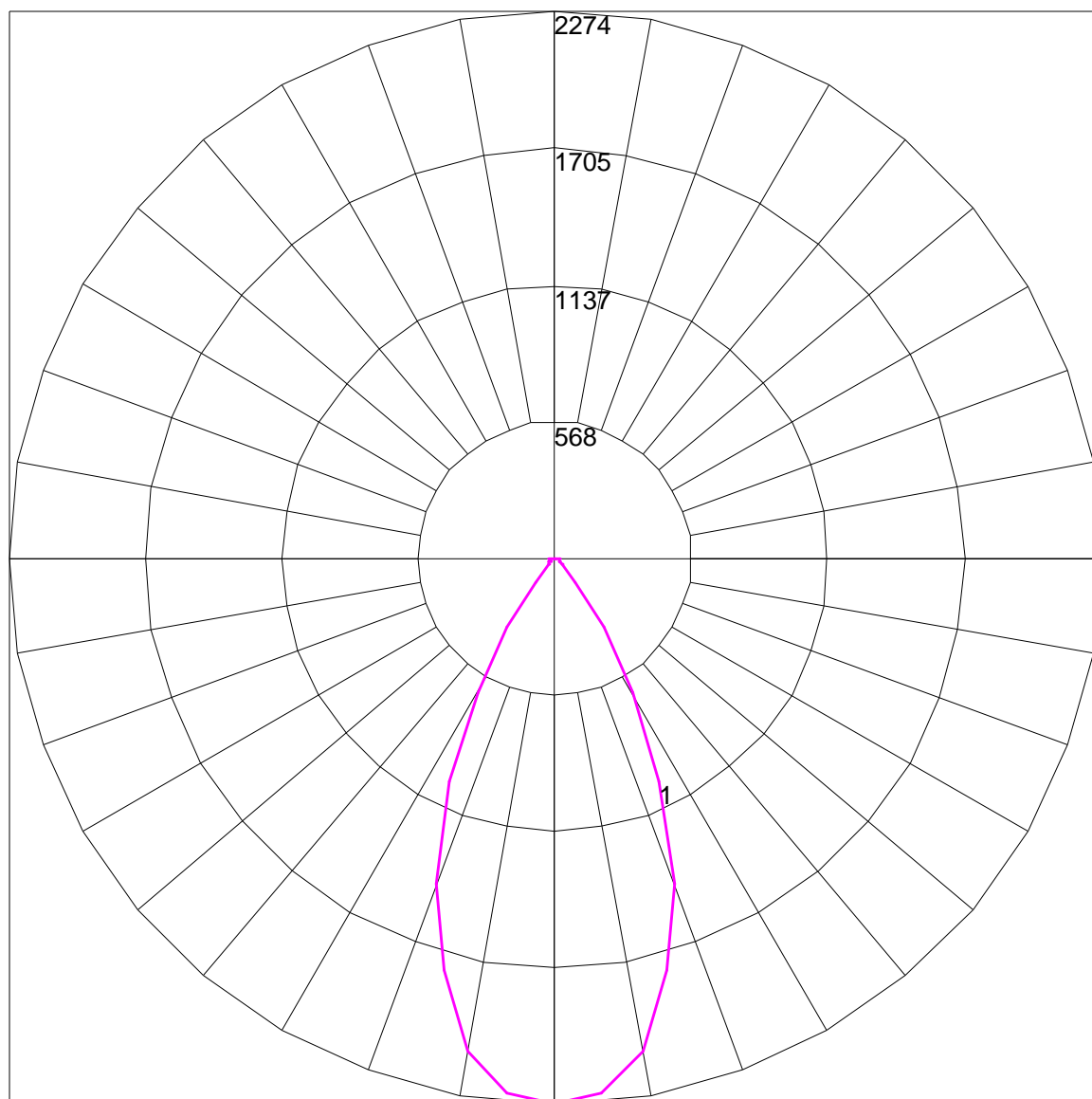
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71
6	88	80	74	69	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	63
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	67	63	60	59
9	77	67	62	58	76	67	61	58	66	61	58	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	58	54	61	57	54	53

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POLAR GRAPH



Maximum Candela = 2273.547 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)