

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_22 ~ SS3MX-XT13LE1-SD3X-XXK-WDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_22_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/8/2017
 [LUMCAT] SS3Mx-XT13L-E1-SD3x-wD-MW-SO
 [LUMINAIRE] Nom. 3" Square Downlight, Wide Beam
 [OTHER] Matte White Trim, Solite Lens
 [OTHER] 48.8 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 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, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1073
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_22 ~ SS3MX-XT13LE1-SD3X-XXK-WDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7746	13502	7261
55	5063	5633	5076
65	5758	4590	5103
75	4334	3794	2806
85	1039	1108	1152

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_22 ~ SS3MX-XT13LE1-SD3X-XXK-WDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1463.821	1463.821	1463.821	1463.821	1463.821
5	1425.894	1430.838	1428.579	1424.012	1431.698
10	1316.691	1342.022	1338.759	1323.171	1317.906
15	1134.897	1180.789	1183.846	1151.864	1125.696
20	895.151	961.995	978.392	939.092	887.191
25	631.697	716.862	763.725	695.319	627.574
30	396.932	480.382	545.728	460.426	394.139
35	228.322	286.959	341.243	267.036	216.145
40	109.973	149.707	182.081	132.341	93.411
45	49.739	70.353	86.697	61.340	46.624
50	31.960	38.777	45.129	36.661	30.835
55	26.369	29.145	29.340	28.465	26.439
60	25.334	24.763	23.905	24.059	22.825
65	22.097	21.221	17.614	19.167	19.584
70	16.318	15.475	13.186	13.963	12.862
75	10.187	10.412	8.918	8.104	6.596
80	4.374	4.991	4.356	3.766	2.935
85	0.822	1.433	0.877	1.280	0.912
90	0.801	0.956	1.038	0.690	0.703

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Zone	Lumens	%Lamp	%Fixt
0-20	454.50	N.A.	42.40
0-30	775.24	N.A.	72.30
0-40	955.87	N.A.	89.10
0-60	1042.11	N.A.	97.10
0-80	1071.00	N.A.	99.80
0-90	1072.98	N.A.	100.00
10-90	939.73	N.A.	87.60
20-40	501.37	N.A.	46.70
20-50	561.05	N.A.	52.30
40-70	105.53	N.A.	9.80
60-80	28.89	N.A.	2.70
70-80	9.60	N.A.	0.90
80-90	1.98	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	1072.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	133.25
10-20	321.25
20-30	320.74
30-40	180.64
40-50	59.67
50-60	26.57
60-70	19.29
70-80	9.60
80-90	1.98
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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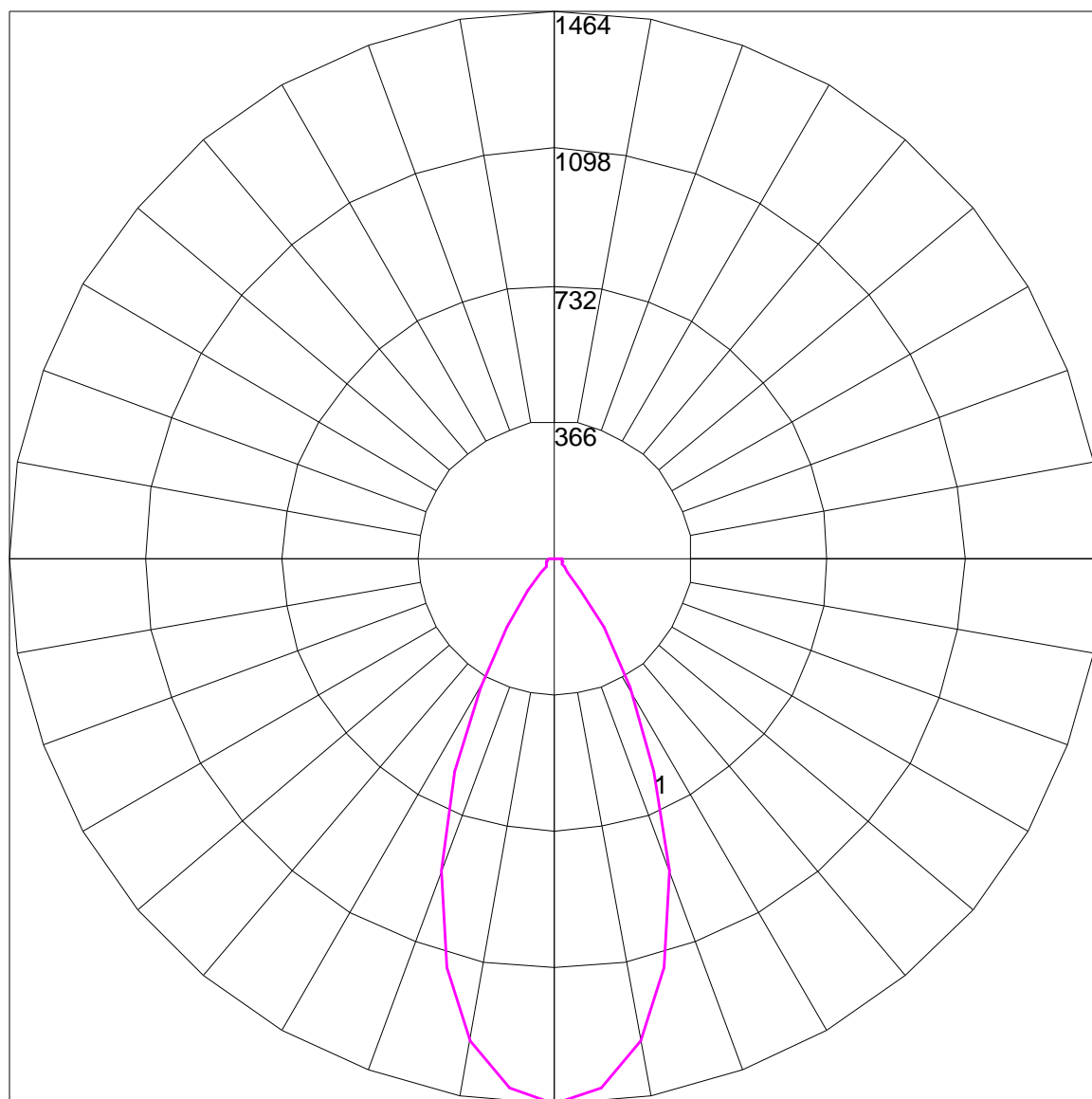
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	100	99	98	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	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75
5	92	84	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	61	57	75	66	60	56	65	60	56	64	59	56	63	59	56	55
10	73	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	52

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POLAR GRAPH



Maximum Candela = 1463.821 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)