

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_21 ~ SS3MX-XT13LE1-SD3X-XXK-WDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_21_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/9/2017
 [LUMCAT] SS3Mx-XT13L-E1-SD3x-WD-MW-NL
 [LUMINAIRE] Nom. 3" Square Downlight, Wide Beam
 [OTHER] Matte White Trim, No Lens
 [OTHER] 50.3 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	1205
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.86
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_21 ~ SS3MX-XT13LE1-SD3X-XXK-WDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2559	13560	2559
55	2811	2139	2811
65	3019	2258	3019
75	5362	4316	5362
85	1198	2685	1198

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_21 ~ SS3MX-XT13LE1-SD3X-XXK-WDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1601.756	1601.756	1601.756	1601.756	1601.756
5	1575.863	1582.424	1584.342	1582.424	1575.863
10	1479.014	1499.463	1506.324	1499.463	1479.014
15	1280.490	1326.398	1356.751	1326.398	1280.490
20	1045.182	1095.106	1137.035	1095.106	1045.182
25	759.737	848.543	894.575	848.543	759.737
30	480.562	578.410	675.209	578.410	480.562
35	266.207	333.270	440.790	333.270	266.207
40	107.566	164.352	227.582	164.352	107.566
45	16.430	31.812	87.071	31.812	16.430
50	14.739	13.896	18.414	13.896	14.739
55	14.641	13.982	11.142	13.982	14.641
60	14.283	14.488	9.994	14.488	14.283
65	11.588	11.900	8.666	11.900	11.588
70	13.252	11.568	9.173	11.568	13.252
75	12.603	10.533	10.143	10.533	12.603
80	8.536	8.794	8.042	8.794	8.536
85	0.948	1.410	2.125	1.410	0.948
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	514.41	N.A.	42.70
0-30	896.13	N.A.	74.40
0-40	1116.81	N.A.	92.70
0-60	1179.22	N.A.	97.90
0-80	1201.86	N.A.	99.70
0-90	1204.99	N.A.	100.00
10-90	1056.85	N.A.	87.70
20-40	602.40	N.A.	50.00
20-50	652.39	N.A.	54.10
40-70	73.99	N.A.	6.10
60-80	22.64	N.A.	1.90
70-80	11.06	N.A.	0.90
80-90	3.12	N.A.	0.30
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	1204.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	148.14
10-20	366.28
20-30	381.72
30-40	220.68
40-50	49.99
50-60	12.42
60-70	11.59
70-80	11.06
80-90	3.12
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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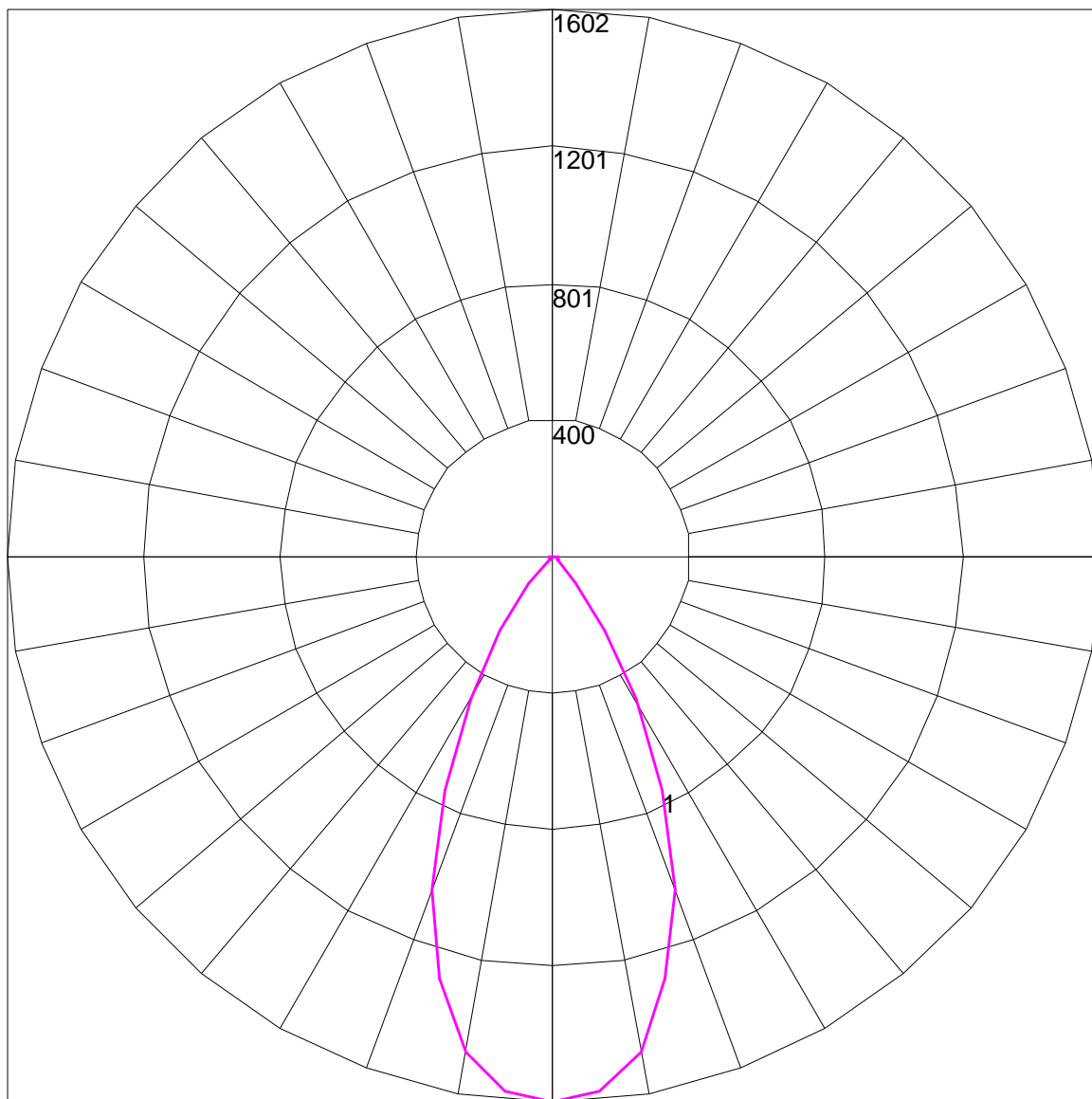
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	88	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	87	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67
7	84	75	69	65	83	75	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	68	63	60	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53

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POLAR GRAPH



Maximum Candela = 1601.756 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)