

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_17 ~ SS3MX-XT13LE1-SD3X-XXK-NDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545_17_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 2/17/2017

[UPDATE] 5/8/2017

[LUMCAT] SS3Mx-XT13L-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, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	793
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	15
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	4688	5972	5008
55	5512	8158	5642
65	7870	5584	7351
75	1487	1761	1492
85	1562	1583	1195

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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	2140.503	2140.503	2140.503	2140.503	2140.503
5	2020.322	1993.497	2001.506	2010.794	2027.819
10	1474.240	1450.613	1457.232	1470.537	1479.976
15	919.303	907.065	865.060	882.756	926.936
20	618.244	618.568	611.136	620.803	622.160
25	360.073	404.921	449.277	440.828	363.783
30	166.360	207.043	316.766	254.405	167.525
35	51.917	67.396	162.773	94.450	51.928
40	34.414	35.262	55.763	37.157	35.677
45	30.100	31.667	38.347	33.373	32.157
50	31.346	37.188	44.028	37.714	33.542
55	28.711	34.085	42.492	37.339	29.388
60	38.707	40.058	40.878	40.267	38.535
65	30.204	25.486	21.432	25.236	28.213
70	11.389	9.517	8.602	8.459	10.468
75	3.496	4.328	4.139	4.027	3.506
80	3.715	3.234	3.255	3.490	4.640
85	1.236	0.772	1.253	0.936	0.946
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	438.29	N.A.	55.20
0-30	628.84	N.A.	79.30
0-40	700.02	N.A.	88.20
0-60	761.74	N.A.	96.00
0-80	791.91	N.A.	99.80
0-90	793.43	N.A.	100.00
10-90	619.66	N.A.	78.10
20-40	261.73	N.A.	33.00
20-50	289.95	N.A.	36.50
40-70	86.39	N.A.	10.90
60-80	30.18	N.A.	3.80
70-80	5.51	N.A.	0.70
80-90	1.51	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	793.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	173.77
10-20	264.52
20-30	190.55
30-40	71.17
40-50	28.22
50-60	33.50
60-70	24.66
70-80	5.51
80-90	1.51
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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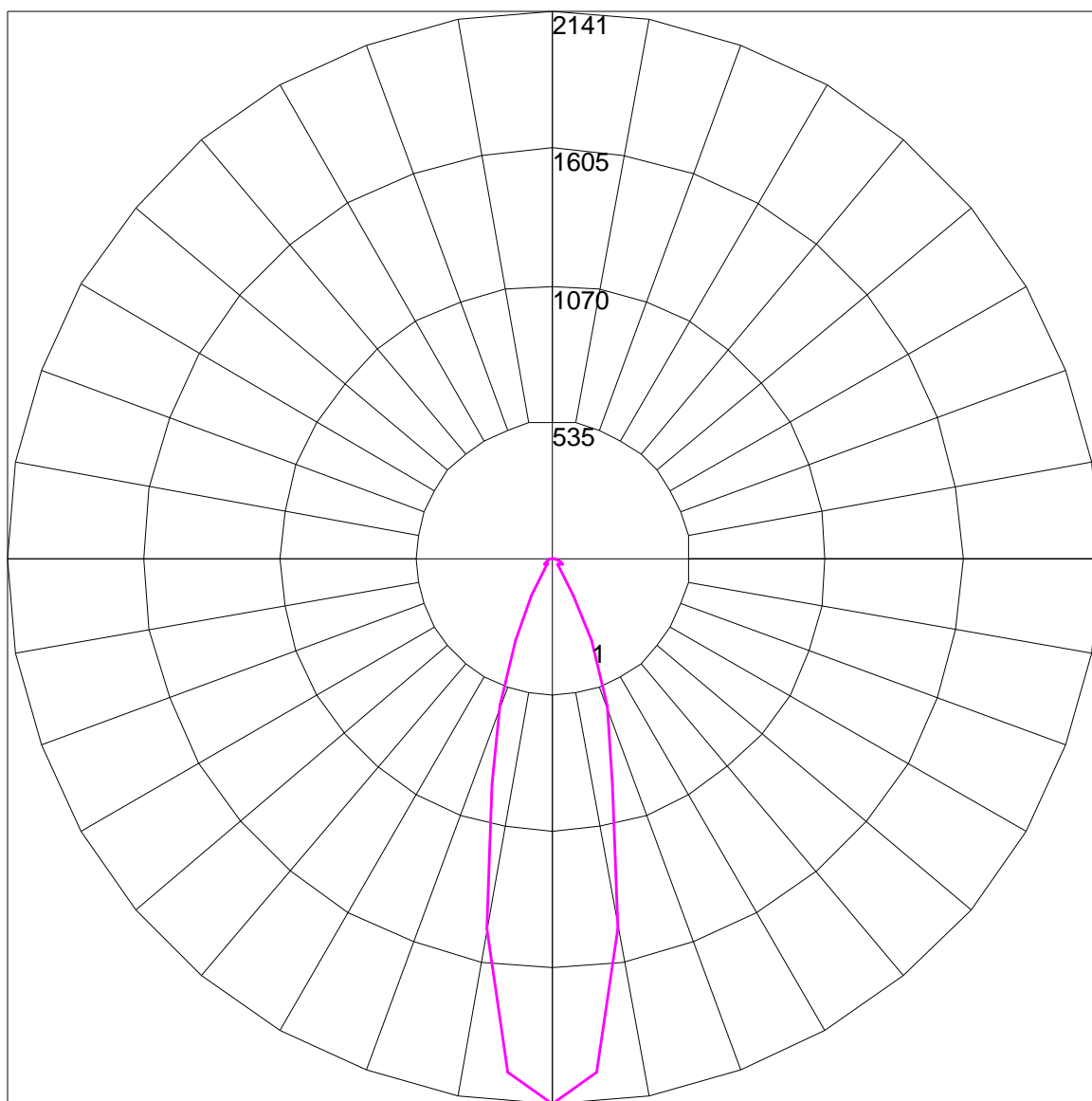
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	105	105	103	101	101	100	98	98	96	95	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	99	92	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78
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	73	80	75	72	79	75	72	77	74	71	70
7	87	78	73	69	86	78	73	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	64
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 = 2140.503 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)