

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_19 ~ SS3MX-XT13LE1-SD3X-XXK-MDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545_19_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 2/17/2017

[UPDATE] 5/8/2017

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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	891
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	15
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_19 ~ SS3MX-XT13LE1-SD3X-XXK-MDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5205	6081	4779
55	3917	3652	3347
65	2420	2734	2390
75	1864	1968	1259
85	1089	1140	1037

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_19 ~ SS3MX-XT13LE1-SD3X-XXK-MDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1825.333	1825.333	1825.333	1825.333	1825.333
5	1758.693	1748.207	1709.649	1761.126	1828.048
10	1559.073	1562.049	1517.988	1424.221	1626.405
15	1256.906	1274.434	1231.169	1127.612	1260.220
20	917.116	949.131	900.356	792.935	859.506
25	545.102	613.126	590.405	456.354	486.484
30	230.587	304.219	323.630	205.687	226.885
35	78.595	115.838	147.328	85.321	98.561
40	44.298	50.822	66.195	43.263	48.605
45	33.424	33.415	39.048	30.420	30.687
50	24.875	25.431	26.602	23.543	23.730
55	20.400	18.701	19.020	17.374	17.436
60	12.998	14.323	13.307	12.720	12.853
65	9.287	10.395	10.494	9.254	9.173
70	6.465	7.275	7.072	6.512	5.659
75	4.382	4.754	4.625	4.229	2.959
80	2.391	2.781	2.705	1.836	1.823
85	0.862	1.161	0.902	0.759	0.821
90	0.721	0.923	0.688	0.953	0.907

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Zone	Lumens	%Lamp	%Fixt
0-20	496.51	N.A.	55.70
0-30	748.58	N.A.	84.00
0-40	830.63	N.A.	93.20
0-60	875.12	N.A.	98.20
0-80	889.62	N.A.	99.80
0-90	890.99	N.A.	100.00
10-90	730.97	N.A.	82.00
20-40	334.12	N.A.	37.50
20-50	361.79	N.A.	40.60
40-70	54.31	N.A.	6.10
60-80	14.50	N.A.	1.60
70-80	4.67	N.A.	0.50
80-90	1.37	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	890.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	160.02
10-20	336.50
20-30	252.07
30-40	82.05
40-50	27.68
50-60	16.81
60-70	9.83
70-80	4.67
80-90	1.37
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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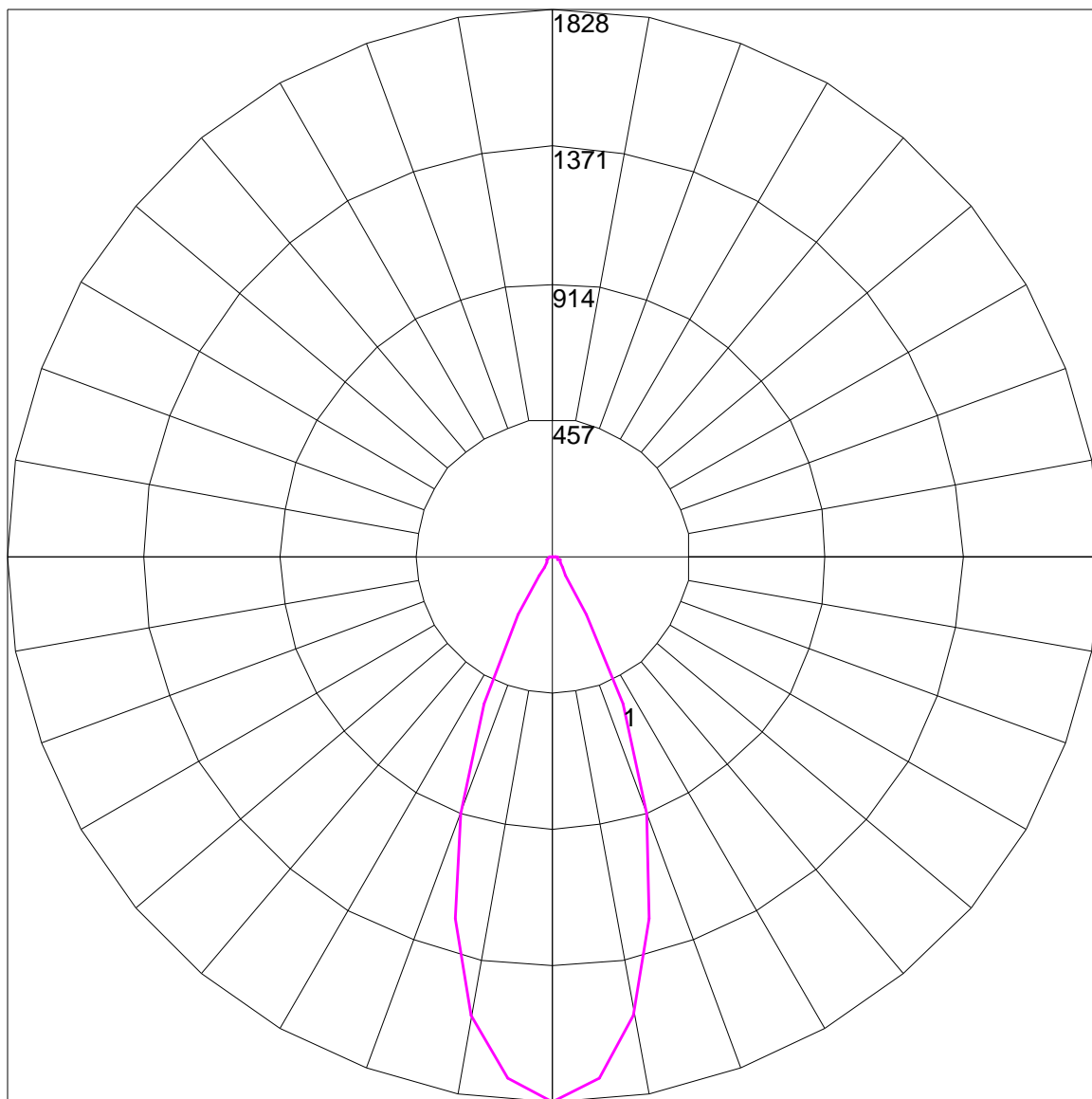
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	98	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	77	75
6	92	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 = 1828.048 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)