

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_15 ~ SS3MX-XT13LE1-SD3X-XXK-NDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545_15_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 2/17/2017

[UPDATE] 5/8/2017

[LUMCAT] SS3Mx-XT13L-E1-SD3x-ND-MW-NL

[LUMINAIRE] Nom. 3" Square Downlight, Narrow Beam

[OTHER] Matte White Trim, No Lens

[OTHER] 25.8 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	1088
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.38
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.52
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_15 ~ SS3MX-XT13LE1-SD3X-XXK-NDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5849	5331	5849
55	10087	11230	10087
65	8567	11597	8567
75	2597	2796	2597
85	0	0	0

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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	2584.092	2584.092	2584.092	2584.092	2584.092
5	2239.219	2570.752	2440.251	2570.752	2239.219
10	1395.828	2110.062	1842.633	2110.062	1395.828
15	947.116	1305.645	1105.705	1305.645	947.116
20	624.253	881.050	781.344	881.050	624.253
25	340.031	640.490	565.038	640.490	340.031
30	140.375	472.250	394.896	472.250	140.375
35	36.837	277.969	206.188	277.969	36.837
40	32.338	102.555	72.827	102.555	32.338
45	37.558	33.145	34.233	33.145	37.558
50	33.246	32.527	46.882	32.527	33.246
55	52.538	42.130	58.492	42.130	52.538
60	63.422	60.233	71.668	60.233	63.422
65	32.878	66.032	44.507	66.032	32.878
70	7.995	34.486	19.607	34.486	7.995
75	6.104	12.219	6.571	12.219	6.104
80	11.067	7.377	4.664	7.377	11.067
85	0.000	10.804	0.000	10.804	0.000
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	555.92	N.A.	51.10
0-30	812.28	N.A.	74.70
0-40	942.43	N.A.	86.60
0-60	1022.06	N.A.	93.90
0-80	1082.95	N.A.	99.50
0-90	1087.96	N.A.	100.00
10-90	873.18	N.A.	80.30
20-40	386.51	N.A.	35.50
20-50	421.58	N.A.	38.70
40-70	127.26	N.A.	11.70
60-80	60.89	N.A.	5.60
70-80	13.26	N.A.	1.20
80-90	5.02	N.A.	0.50
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	1087.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	214.78
10-20	341.14
20-30	256.36
30-40	130.16
40-50	35.06
50-60	44.56
60-70	47.63
70-80	13.26
80-90	5.02
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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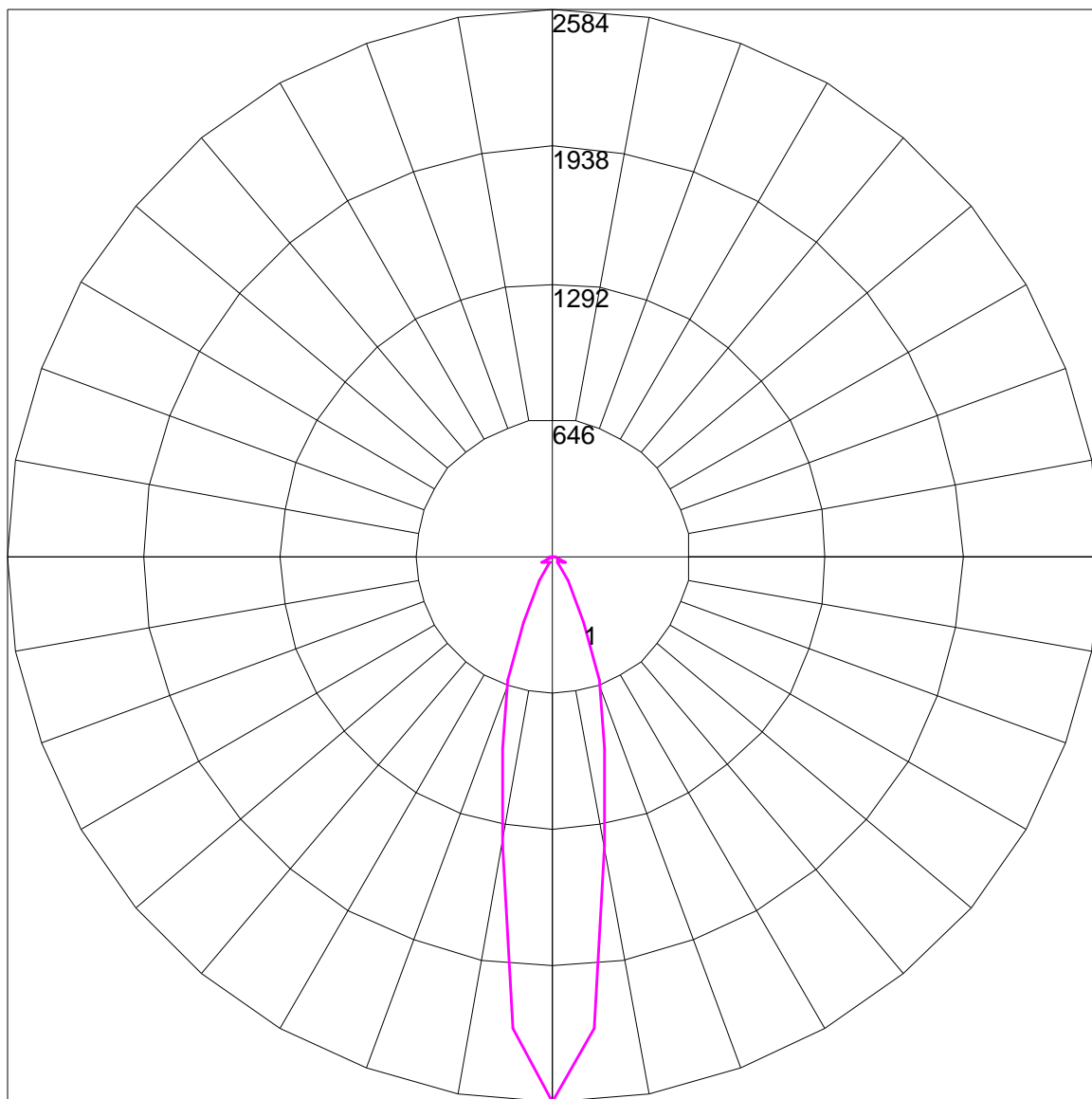
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	100	99	97	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	96	90	86	100	94	90	86	92	88	84	89	86	83	87	84	82	80
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64
8	81	72	67	63	80	72	67	63	71	66	62	70	65	62	69	65	62	61
9	78	69	64	60	77	69	63	60	68	63	60	67	63	59	66	62	59	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

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POLAR GRAPH



Maximum Candela = 2584.092 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)