

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547 ~ SS4MX-XT13LE1-SDD4X-XXK-XNMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/21/2017
[UPDATE] 4/20/2017
[LUMCAT] SS4MRx-XT13L-E1-SDD4x-xxK-XN-MW-NL
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Xtra Narrow Beam
[OTHER] Matte White Trim, No lens
[OTHER] 13.5 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: SS4MO-XT-series
[OTHER] For Remodel/Retrofit Housing: SS4MR-XT-Series
[OTHER] For SDD4F or SDD4N 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	1158
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.24
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2729	4194	2907
55	4543	6073	4384
65	2532	2372	2720
75	1305	798	947
85	1696	2823	2619

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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	12158.645	12158.645	12158.645	12158.645	12158.645
5	8182.830	8338.830	8005.731	8319.629	8257.821
10	2169.573	2431.838	2149.139	2436.361	2214.840
15	566.949	622.107	592.933	620.078	576.100
20	409.919	418.187	419.407	421.143	414.507
25	367.370	386.173	385.241	389.743	374.689
30	197.933	291.972	360.159	280.766	204.704
35	45.652	96.936	262.499	86.986	48.711
40	13.780	17.013	81.261	17.694	13.614
45	7.034	9.145	10.811	9.305	7.494
50	5.164	6.934	10.326	7.537	3.854
55	9.500	9.820	12.698	11.112	9.168
60	11.468	11.489	11.374	12.073	10.075
65	3.901	5.772	3.654	5.589	4.190
70	1.481	1.537	1.650	1.923	0.937
75	1.231	1.140	0.753	1.618	0.894
80	0.636	0.723	0.705	0.765	1.130
85	0.539	0.704	0.897	1.177	0.832
90	0.695	0.342	0.729	0.357	0.699

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Zone	Lumens	%Lamp	%Fixt
0-20	876.37	N.A.	75.70
0-30	1044.72	N.A.	90.20
0-40	1130.64	N.A.	97.60
0-60	1150.71	N.A.	99.30
0-80	1157.48	N.A.	99.90
0-90	1158.31	N.A.	100.00
10-90	538.21	N.A.	46.50
20-40	254.27	N.A.	22.00
20-50	265.29	N.A.	22.90
40-70	25.61	N.A.	2.20
60-80	6.77	N.A.	0.60
70-80	1.22	N.A.	0.10
80-90	0.83	N.A.	0.10
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	1158.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	620.09
10-20	256.28
20-30	168.35
30-40	85.92
40-50	11.02
50-60	9.05
60-70	5.54
70-80	1.22
80-90	0.83
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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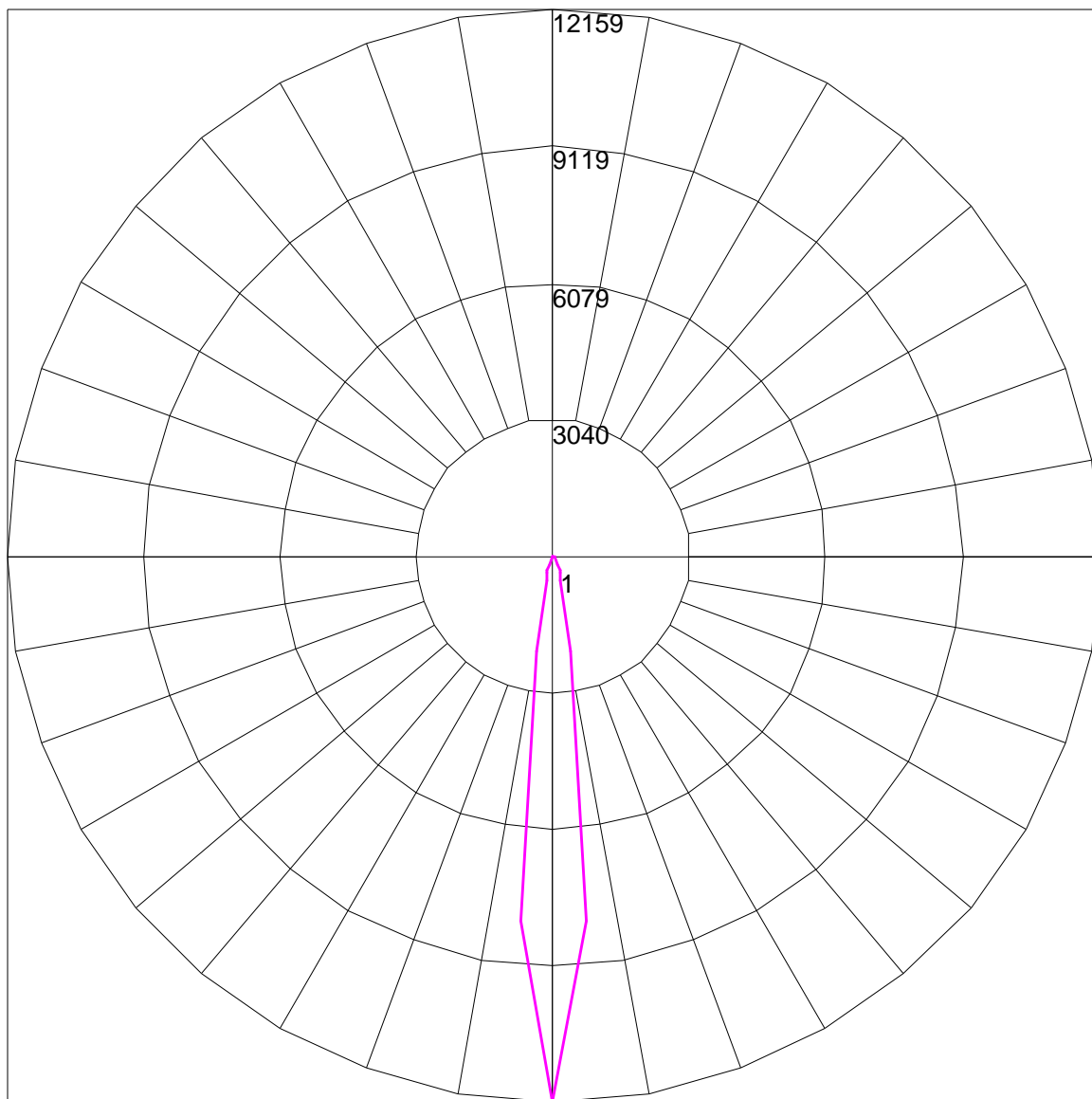
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97
2	112	108	105	103	110	106	104	102	103	101	99	100	99	97	98	97	95	94
3	108	104	100	98	106	102	99	97	100	97	95	98	96	94	96	94	92	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	91	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	99	93	89	87	92	89	86	91	88	86	89	87	85	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82
8	95	89	85	82	94	88	85	82	88	84	82	87	84	82	86	83	81	80
9	93	87	83	80	92	86	83	80	86	82	80	85	82	80	84	82	80	79
10	91	85	81	79	90	85	81	79	84	81	78	83	80	78	83	80	78	77

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POLAR GRAPH



Maximum Candela = 12158.645 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)