

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_1 ~ SS4MX-XT13LE1-SDD4X-XXK-XNMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.1_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-GL
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Xtra Narrow Beam
[OTHER] Matte White Trim, Clear glass lens
[OTHER] 12.1 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	1033
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_1 ~ SS4MX-XT13LE1-SDD4X-XXK-XNMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4843	7176	4796
55	4720	9441	3483
65	2805	2196	3811
75	1508	944	923
85	1501	3786	1791

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_1 ~ SS4MX-XT13LE1-SDD4X-XXK-XNMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	11815.400	11815.400	11815.400	11815.400	11815.400
5	7069.413	7594.262	7015.684	7752.264	7570.387
10	1455.391	2044.812	1484.503	2098.528	1639.523
15	494.672	553.481	532.554	560.546	527.352
20	388.401	390.562	399.216	394.766	394.122
25	332.806	359.258	365.384	361.969	339.175
30	149.792	253.582	339.474	235.730	135.162
35	31.109	69.911	237.429	55.526	29.374
40	18.881	19.059	37.903	18.433	20.899
45	12.485	14.357	18.498	16.880	12.362
50	7.114	12.300	15.890	11.970	7.312
55	9.869	13.738	19.742	12.988	7.282
60	10.579	11.539	14.126	10.713	9.524
65	4.321	5.265	3.384	5.890	5.871
70	1.991	3.020	2.498	1.704	1.368
75	1.423	1.817	0.891	2.011	0.871
80	1.535	1.604	1.434	1.284	0.773
85	0.477	1.261	1.203	1.037	0.569
90	1.198	0.662	0.391	0.335	0.413

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_1 ~ SS4MX-XT13LE1-SDD4X-XXK-XNMWGL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	774.91	N.A.	75.00
0-30	929.27	N.A.	90.00
0-40	999.87	N.A.	96.80
0-60	1024.12	N.A.	99.20
0-80	1031.67	N.A.	99.90
0-90	1032.74	N.A.	100.00
10-90	473.15	N.A.	45.80
20-40	224.96	N.A.	21.80
20-50	237.78	N.A.	23.00
40-70	30.07	N.A.	2.90
60-80	7.55	N.A.	0.70
70-80	1.72	N.A.	0.20
80-90	1.07	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	1032.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	559.59
10-20	215.33
20-30	154.36
30-40	70.60
40-50	12.82
50-60	11.43
60-70	5.82
70-80	1.72
80-90	1.07
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP_00547_1 ~ SS4MX-XT13LE1-SDD4X-XXK-XNMWGL.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

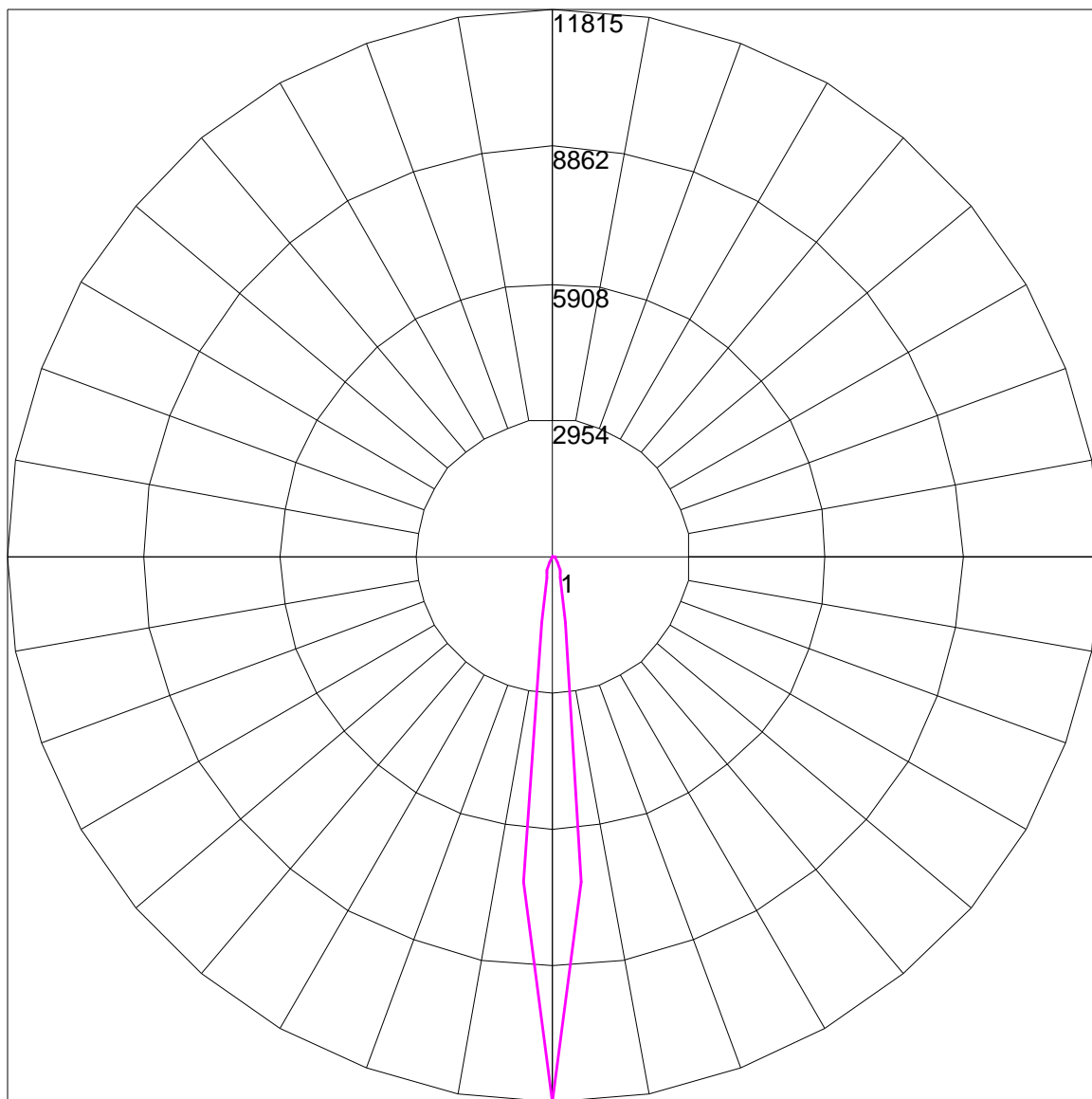
Effective Floor Cavity Reflectance 0.20

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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP_00547_1 ~ SS4MX-XT13LE1-SDD4X-XXK-XNMWGL.IES

POLAR GRAPH



Maximum Candela = 11815.4 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)