

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_2 ~ SS4MX-XT13LE1-SDD4X-XXK-XNMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.2_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/20/2017
 [LUMCAT] SS4MRx-XT13L-E1-SDD4x-xxK-XN-MW-SO
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 17.9 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: 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	997
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	49
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.28
Spacing Criterion (Diagonal)	0.32
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_2 ~ SS4MX-XT13LE1-SDD4X-XXK-XNMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8993	16506	8702
55	5806	8622	5379
65	2851	3544	2869
75	1250	1548	1218
85	2574	2886	2644

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_2 ~ SS4MX-XT13LE1-SDD4X-XXK-XNMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	6171.035	6171.035	6171.035	6171.035	6171.035
5	5154.938	5220.419	4894.252	4830.982	4609.593
10	2544.097	2684.739	2407.203	2303.903	2025.159
15	918.931	1046.967	974.116	904.049	769.658
20	446.079	506.018	506.859	475.452	429.866
25	297.008	342.497	373.842	330.764	302.160
30	179.290	229.367	274.570	208.385	163.871
35	86.467	125.842	166.774	95.660	71.887
40	39.649	60.039	77.482	44.388	37.370
45	23.183	31.829	42.549	27.866	22.431
50	16.437	19.085	28.925	19.860	15.206
55	12.140	13.545	18.028	13.975	11.248
60	7.657	9.330	10.571	8.954	7.632
65	4.393	6.614	5.460	5.601	4.420
70	2.950	2.812	3.130	3.912	2.550
75	1.179	1.602	1.461	1.617	1.149
80	0.647	0.872	0.921	1.001	0.955
85	0.818	0.858	0.917	0.476	0.840
90	0.759	0.256	0.973	0.502	0.690

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Zone	Lumens	%Lamp	%Fixt
0-20	713.75	N.A.	71.60
0-30	870.14	N.A.	87.30
0-40	948.58	N.A.	95.20
0-60	988.19	N.A.	99.20
0-80	995.78	N.A.	99.90
0-90	996.62	N.A.	100.00
10-90	599.68	N.A.	60.20
20-40	234.83	N.A.	23.60
20-50	261.37	N.A.	26.20
40-70	45.37	N.A.	4.60
60-80	7.59	N.A.	0.80
70-80	1.84	N.A.	0.20
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	996.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	396.93
10-20	316.81
20-30	156.39
30-40	78.44
40-50	26.54
50-60	13.08
60-70	5.76
70-80	1.84
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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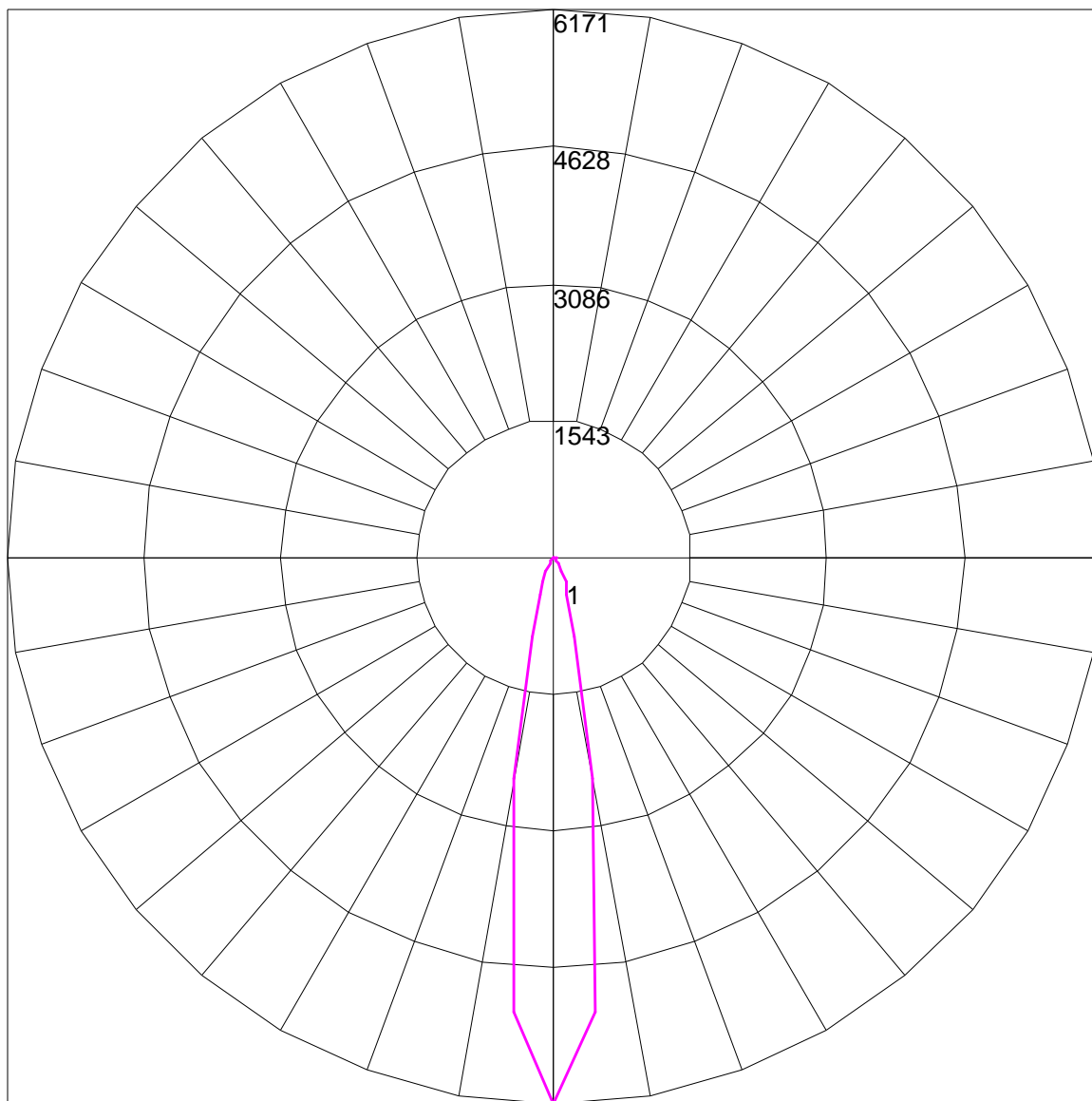
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	88	87	85
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	84	82
6	97	90	86	83	96	89	85	82	88	85	82	87	84	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	80	78	77
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75
9	89	82	78	75	88	81	77	75	81	77	74	80	76	74	79	76	74	73
10	86	79	75	73	86	79	75	72	78	75	72	78	74	72	77	74	72	71

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POLAR GRAPH



Maximum Candela = 6171.035 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)