



IES ROAD REPORT

PHOTOMETRIC FILENAME : XSL2-5A-LED-50-SS-CW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-3909

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/13/2020

[TEST DATE] 03/12/13

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] XSL2-5A-LED-50-SS-CW

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5158
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	59.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1591
Maximum Candela Angle	45H 67.5V
Maximum Candela (<90 Degrees Vertical)	1591
Maximum Candela Angle (<90 Degrees Vertical)	45H 67.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	459 (8.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

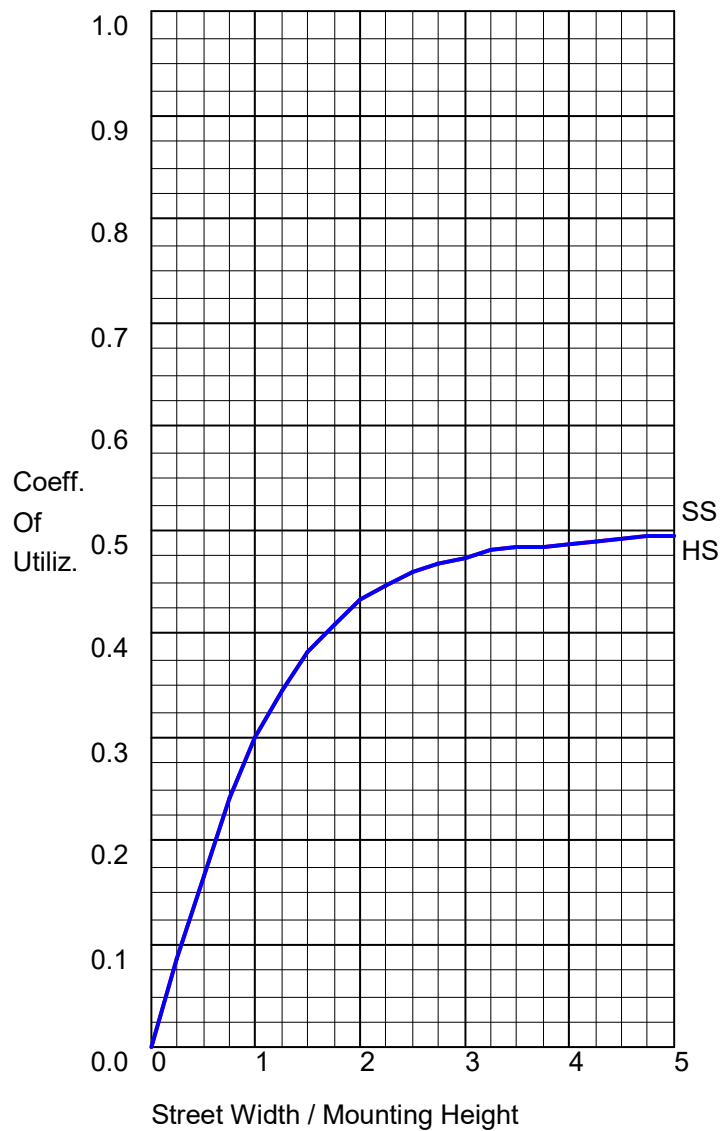
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	344.1	N.A.	6.7
FM - Front-Medium (30-60)	1250.8	N.A.	24.3
FH - Front-High (60-80)	926.2	N.A.	18.0
FVH - Front-Very High (80-90)	57.8	N.A.	1.1
BL - Back-Low (0-30)	344.1	N.A.	6.7
BM - Back-Medium (30-60)	1250.8	N.A.	24.3
BH - Back-High (60-80)	926.2	N.A.	18.0
BVH - Back-Very High (80-90)	57.8	N.A.	1.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5157.8	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	732	732	732	732	732
2.5	736	734	732	733	725
5.0	744	741	738	740	730
7.5	738	738	745	752	741
10.0	734	738	753	770	760
12.5	733	742	770	792	783
15.0	730	747	791	815	810
17.5	727	752	810	843	839
20.0	724	756	830	873	872
22.5	720	762	852	904	902
25.0	725	767	865	931	929
27.5	751	777	881	956	962
30.0	812	801	891	989	1010
32.5	882	855	897	1028	1068
35.0	955	927	913	1066	1114
37.5	989	986	963	1092	1149
40.0	987	1017	1057	1108	1163
42.5	969	1014	1194	1107	1148
45.0	938	991	1337	1091	1113
47.5	905	951	1459	1066	1074
50.0	888	920	1526	1049	1055
52.5	880	925	1541	1057	1053
55.0	872	962	1514	1100	1069
57.5	854	1019	1477	1177	1085
60.0	835	1085	1485	1267	1084
62.5	778	1132	1527	1330	1069
65.0	700	1089	1572	1345	1014
67.5	615	1009	1591	1235	863
70.0	451	844	1518	1011	729
72.5	309	585	1301	895	635
75.0	253	477	951	820	524
77.5	187	400	624	672	378
80.0	112	284	395	459	208
82.5	65	158	172	240	132
85.0	41	85	71	90	61
87.5	21	26	23	19	19
90.0	0	0	0	0	0

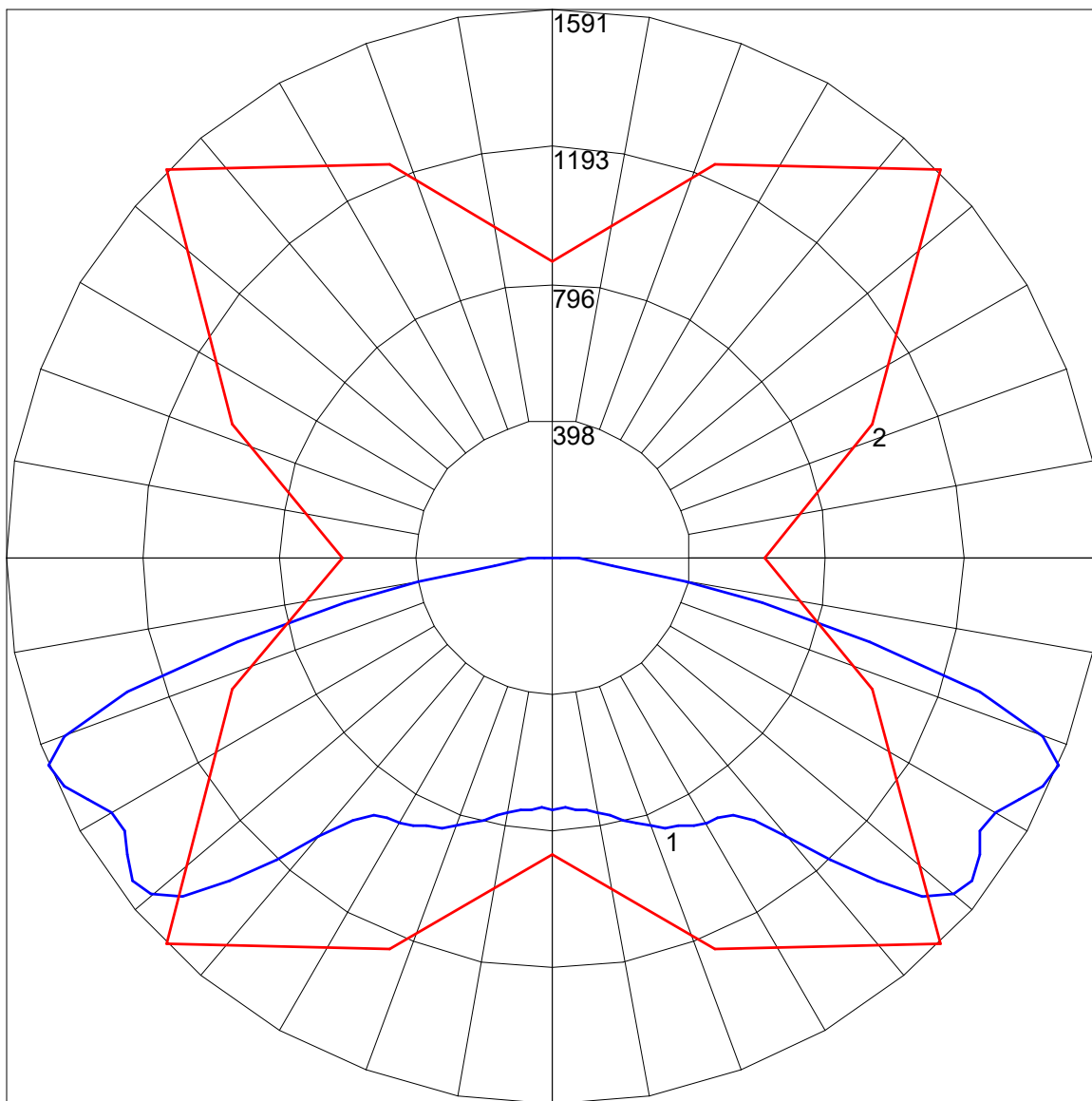
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

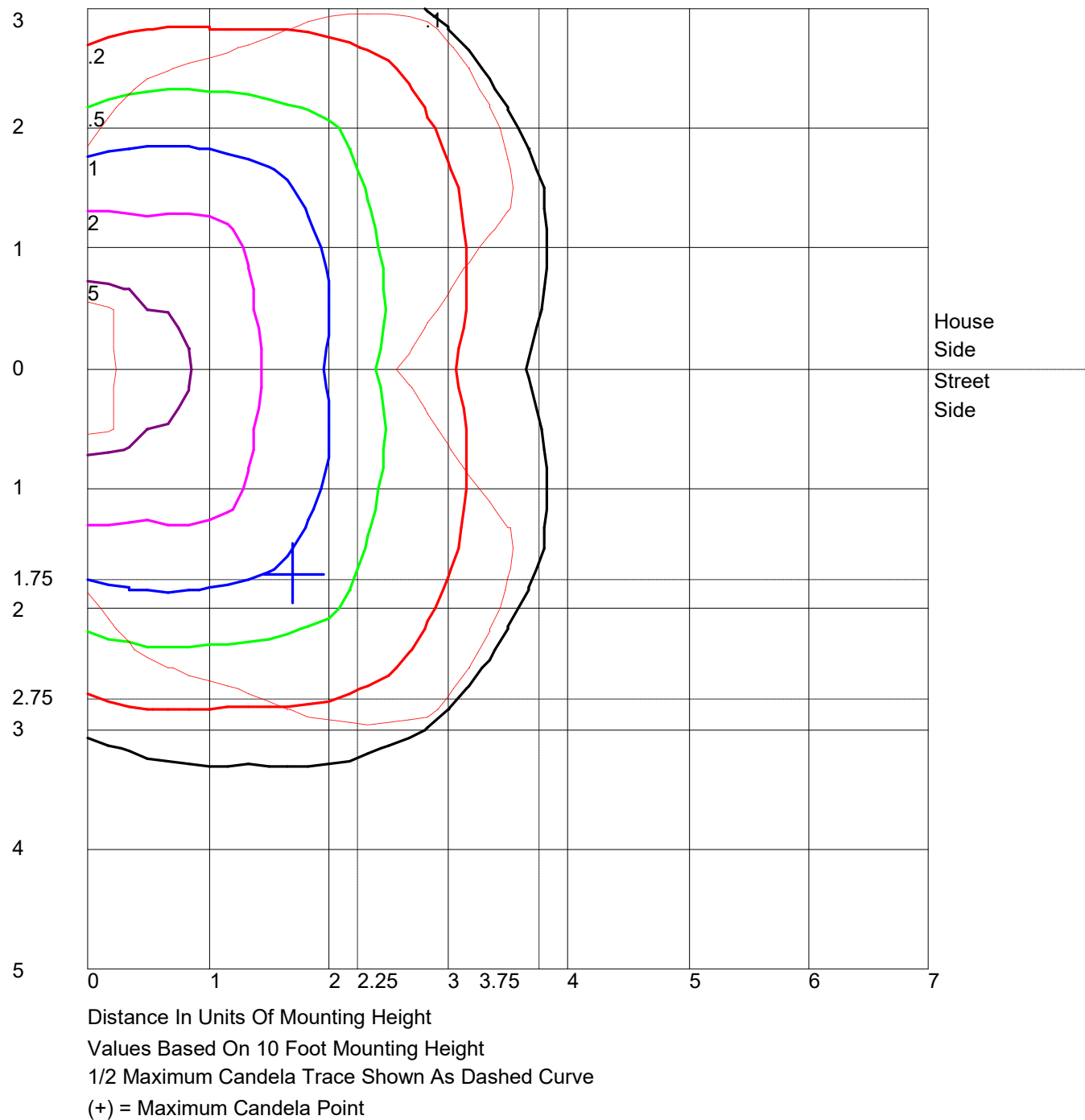
	Lumens	Percent Of Luminaire
Downward Street Side	2579.0	50.0
Downward House Side	2579.0	50.0
Downward Total	5158.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5158.0	100.0

POLAR GRAPH

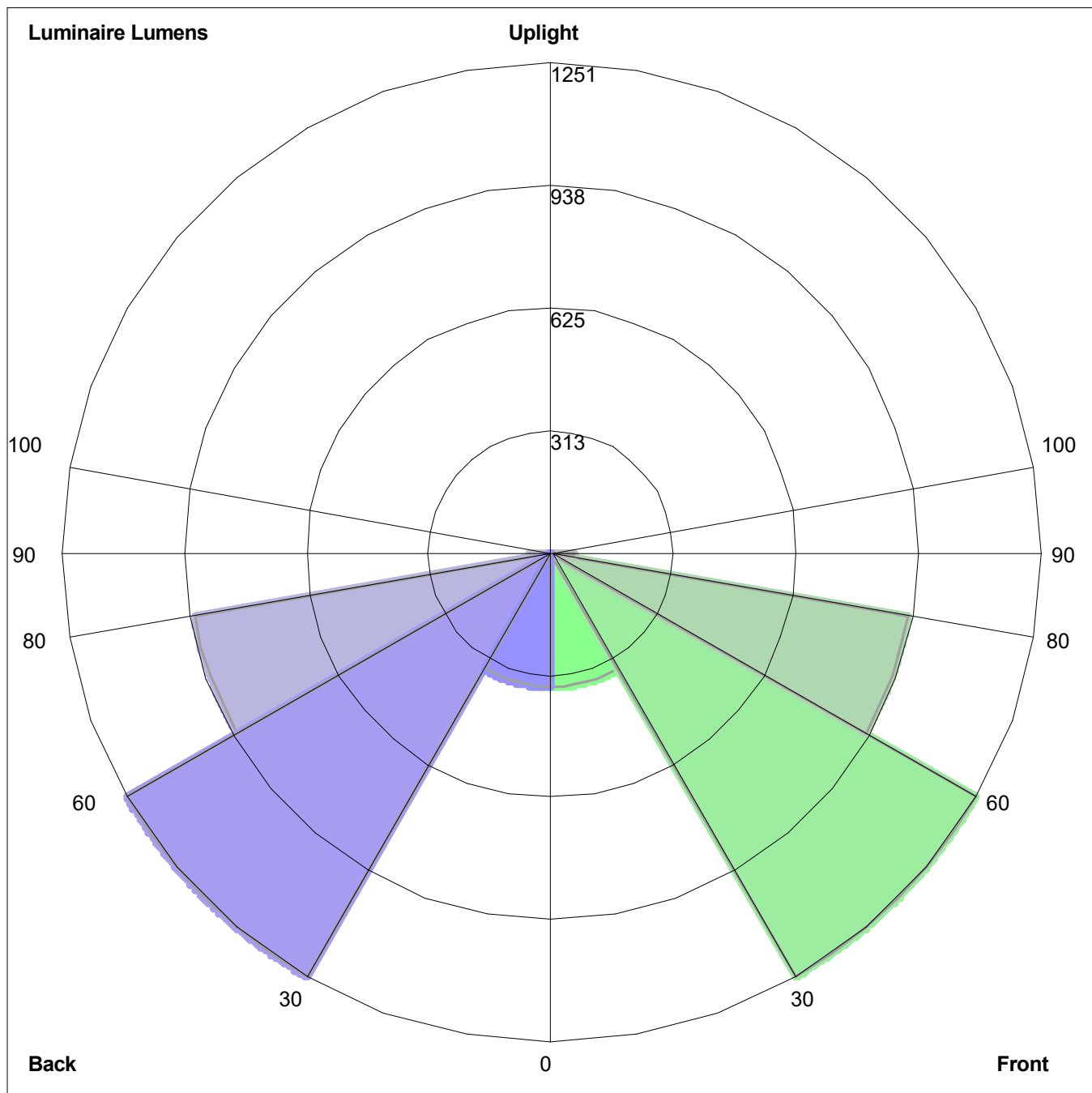


Maximum Candela = 1591 Located At Horizontal Angle = 45, Vertical Angle = 67.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=344.1, Medium=1250.8, High=926.2, Very High=57.8
Back: Low=344.1, Medium=1250.8, High=926.2, Very High=57.8
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1