



## IES ROAD REPORT

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

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-3914

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/13/2020

[TEST DATE] 03/13/13

[MANUFAC] LSI INDUSTRIES, INC.

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

[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	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4393
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	59.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1180
Maximum Candela Angle	90H 30V
Maximum Candela (<90 Degrees Vertical)	1180
Maximum Candela Angle (<90 Degrees Vertical)	90H 30V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	231 (5.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

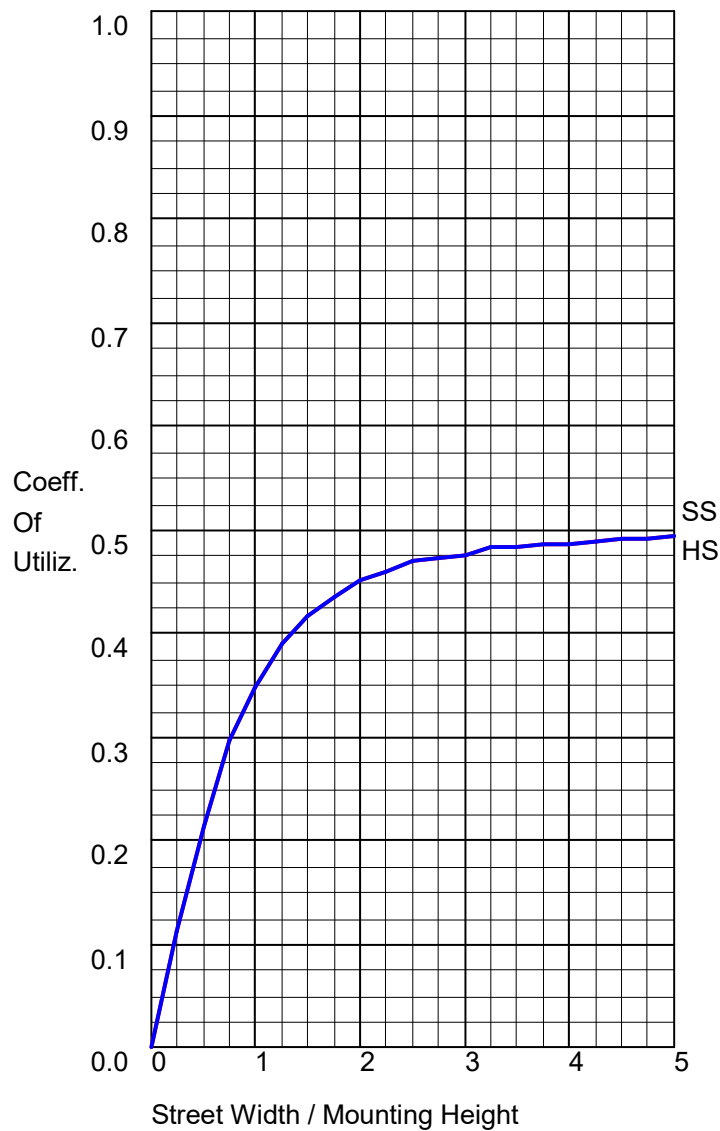
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	474.8	N.A.	10.8
FM - Front-Medium (30-60)	1162.3	N.A.	26.5
FH - Front-High (60-80)	510.2	N.A.	11.6
FVH - Front-Very High (80-90)	49.2	N.A.	1.1
BL - Back-Low (0-30)	474.8	N.A.	10.8
BM - Back-Medium (30-60)	1162.3	N.A.	26.5
BH - Back-High (60-80)	510.2	N.A.	11.6
BVH - Back-Very High (80-90)	49.2	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	4393.0	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	1112	1112	1112	1112	1112
2.5	1115	1114	1112	1110	1107
5.0	1114	1113	1113	1112	1109
7.5	1113	1112	1114	1116	1113
10.0	1110	1112	1117	1122	1120
12.5	1108	1111	1120	1128	1128
15.0	1104	1109	1123	1136	1138
17.5	1101	1108	1127	1144	1147
20.0	1098	1107	1131	1152	1156
22.5	1095	1106	1134	1159	1165
25.0	1092	1104	1137	1165	1172
27.5	1089	1102	1138	1170	1177
30.0	1086	1100	1139	1171	1180
32.5	1080	1096	1139	1170	1178
35.0	1071	1089	1137	1165	1171
37.5	1057	1079	1133	1155	1158
40.0	1037	1064	1126	1140	1139
42.5	1012	1044	1115	1119	1113
45.0	981	1018	1099	1092	1081
47.5	943	986	1076	1059	1043
50.0	900	949	1047	1021	998
52.5	853	905	1010	977	950
55.0	802	857	967	927	896
57.5	746	804	915	872	838
60.0	688	747	856	813	777
62.5	627	685	791	747	710
65.0	563	620	719	678	642
67.5	497	551	643	605	569
70.0	430	479	561	528	495
72.5	362	406	478	448	419
75.0	299	332	393	369	344
77.5	234	264	310	294	273
80.0	171	194	231	217	201
82.5	112	128	153	144	133
85.0	70	79	94	89	83
87.5	31	35	40	38	35
90.0	0	0	0	0	0

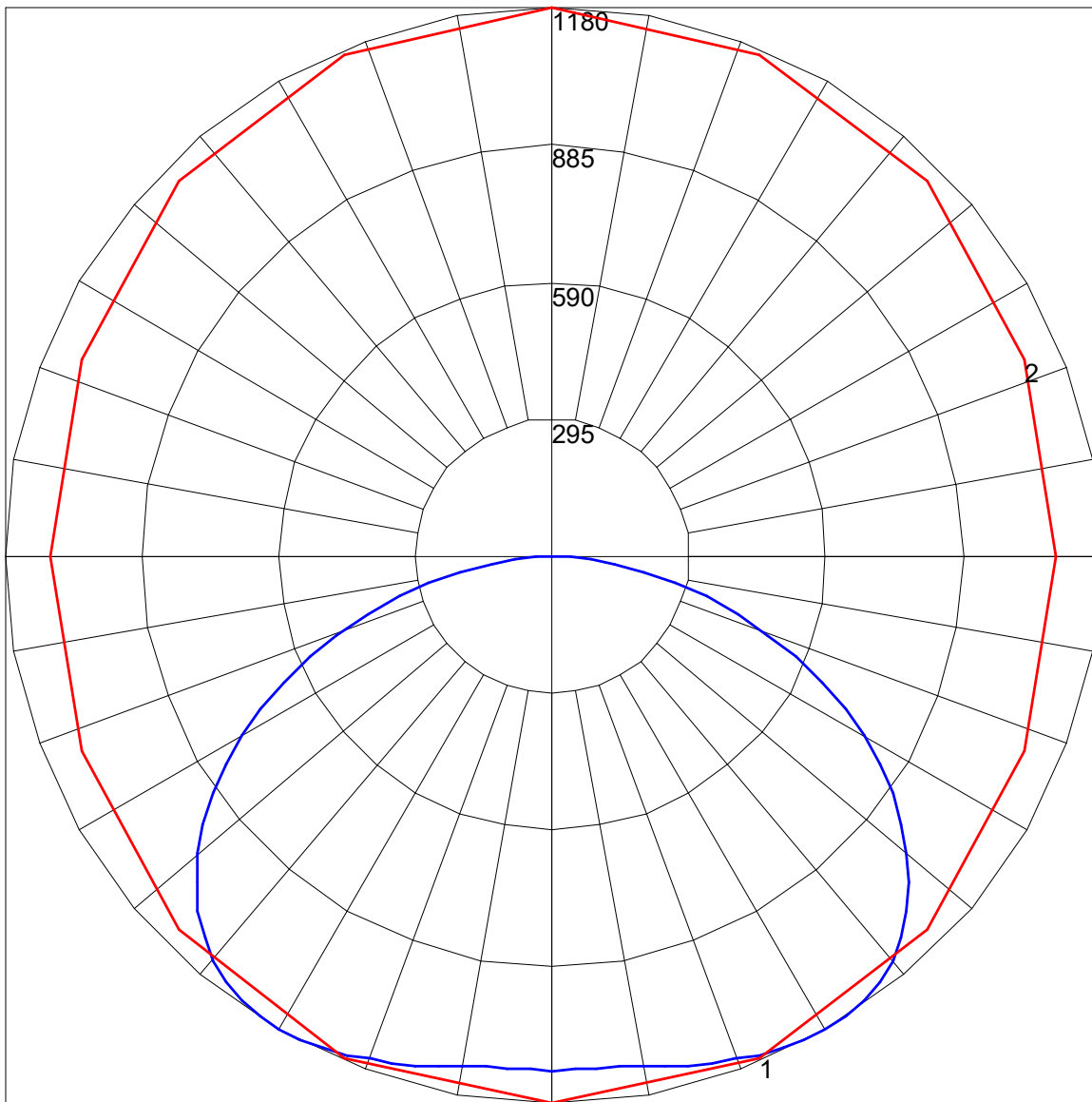
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

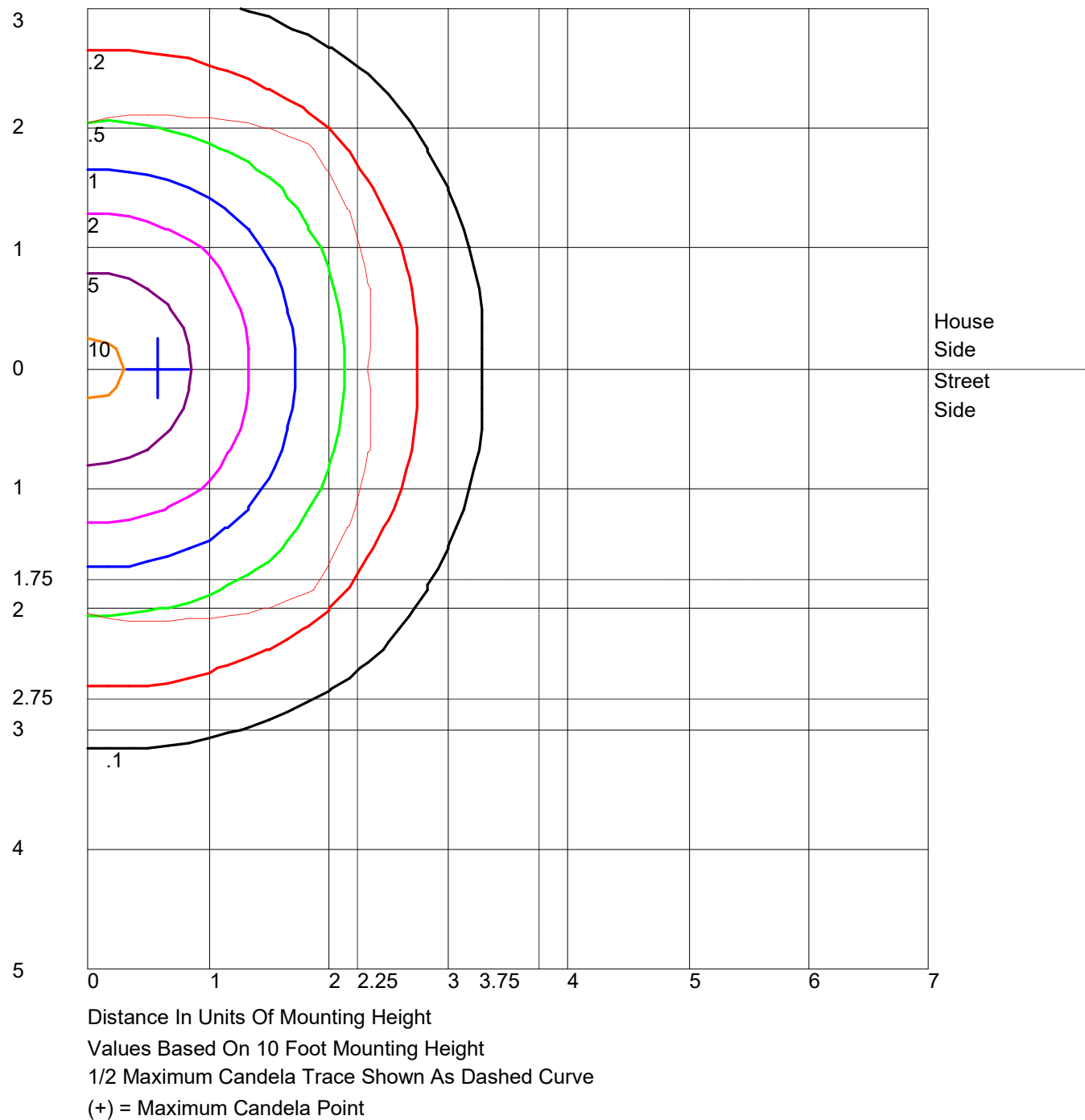
	Lumens	Percent Of Luminaire
Downward Street Side	2196.4	50.0
Downward House Side	2196.4	50.0
Downward Total	4392.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4392.8	100.0

POLAR GRAPH

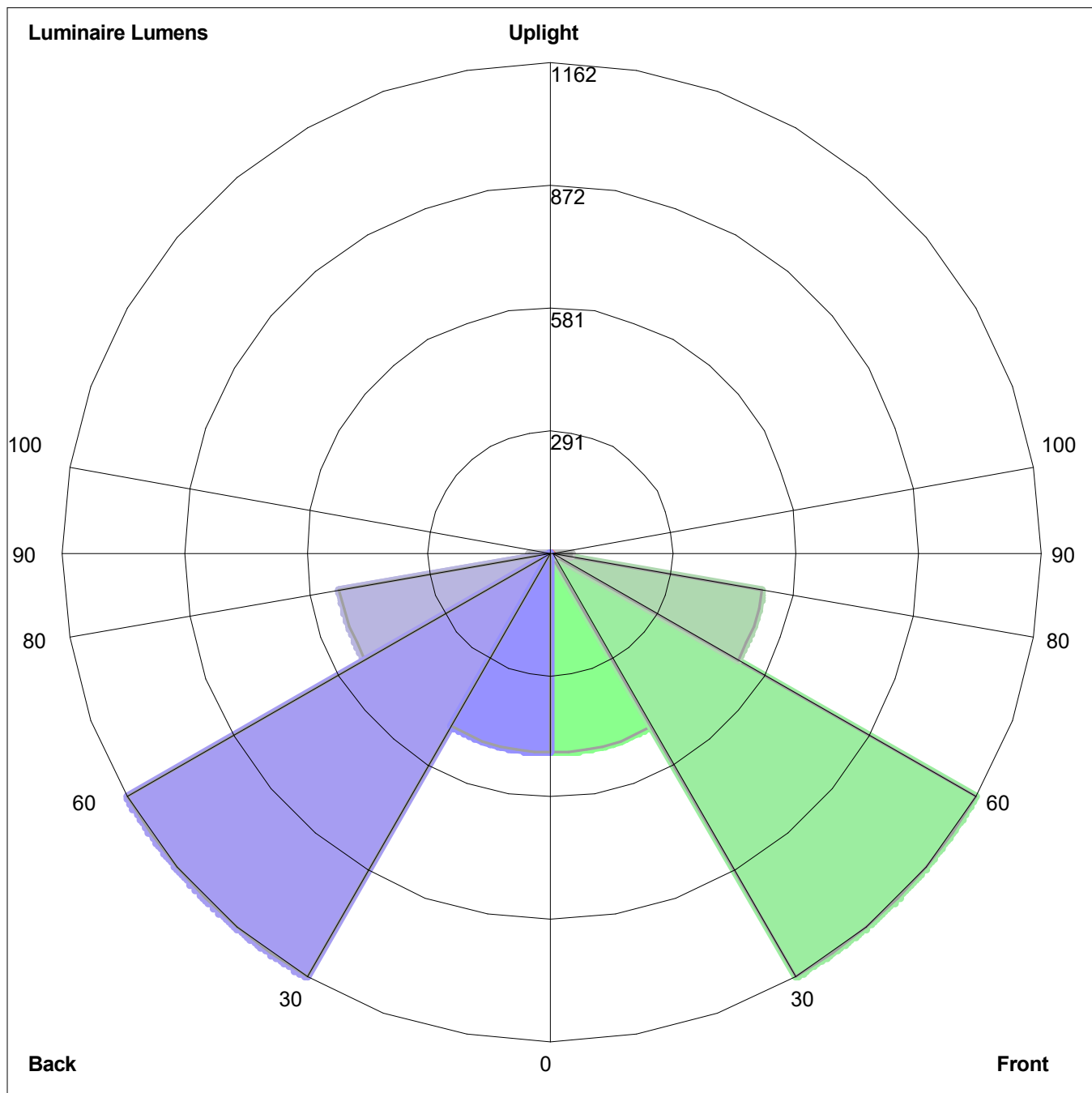


Maximum Candela = 1180 Located At Horizontal Angle = 90, Vertical Angle = 30  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=474.8, Medium=1162.3, High=510.2, Very High=49.2  
Back: Low=474.8, Medium=1162.3, High=510.2, Very High=49.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1