



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : XSL2-5A-LED-50-HO-CW.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-3910  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 5/13/2020  
[TEST DATE] 03/12/13  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] XSL2-5A-LED-50-HO-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	6959
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	86.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2139
Maximum Candela Angle	45H 67.5V
Maximum Candela (<90 Degrees Vertical)	2139
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	620 (8.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

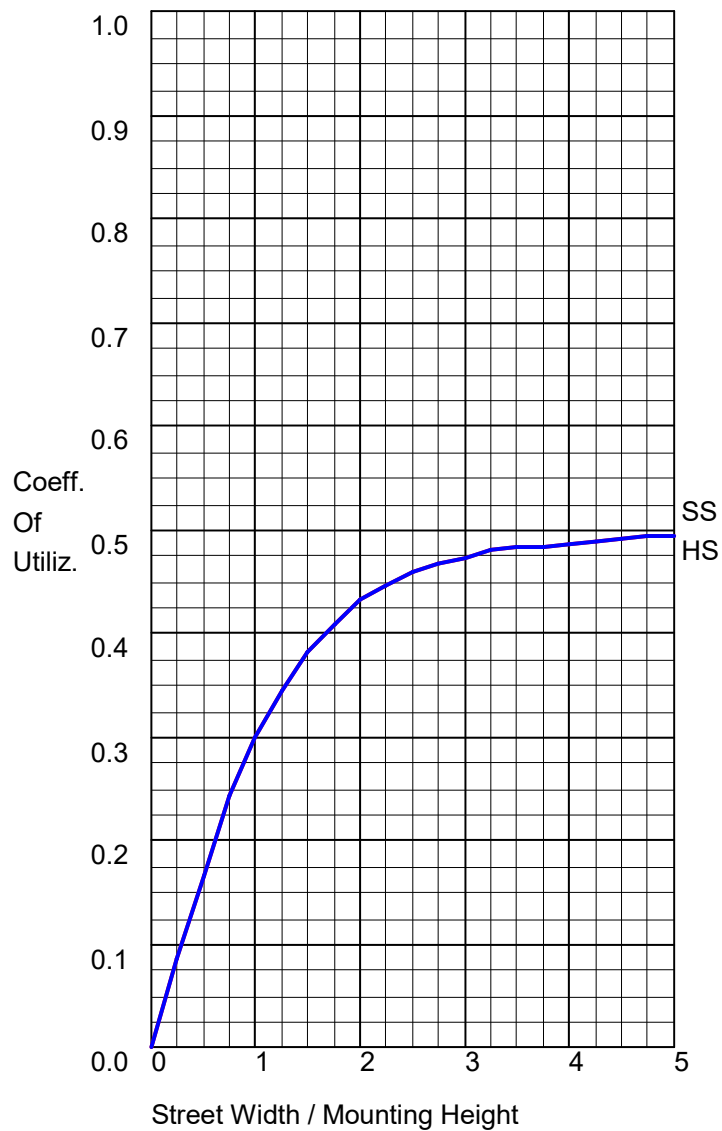
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	465.9	N.A.	6.7
FM - Front-Medium (30-60)	1688.2	N.A.	24.3
FH - Front-High (60-80)	1248.1	N.A.	17.9
FVH - Front-Very High (80-90)	77.0	N.A.	1.1
BL - Back-Low (0-30)	465.9	N.A.	6.7
BM - Back-Medium (30-60)	1688.2	N.A.	24.3
BH - Back-High (60-80)	1248.1	N.A.	17.9
BVH - Back-Very High (80-90)	77.0	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	6958.4	N.A.	100.0
BUG Rating	B3-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	992	992	992	992	992
2.5	997	994	992	993	982
5.0	1008	1005	1001	1002	990
7.5	1000	1000	1009	1019	1004
10.0	994	1000	1020	1043	1029
12.5	992	1005	1043	1072	1060
15.0	989	1011	1071	1104	1098
17.5	984	1018	1096	1142	1137
20.0	981	1023	1124	1183	1181
22.5	974	1032	1153	1224	1222
25.0	982	1037	1171	1260	1258
27.5	1017	1051	1192	1295	1302
30.0	1099	1084	1205	1338	1367
32.5	1192	1157	1213	1392	1445
35.0	1290	1252	1235	1443	1508
37.5	1336	1332	1302	1478	1553
40.0	1334	1374	1429	1497	1571
42.5	1308	1369	1611	1495	1551
45.0	1266	1337	1802	1472	1502
47.5	1221	1284	1966	1439	1449
50.0	1197	1241	2057	1416	1422
52.5	1185	1248	2075	1429	1420
55.0	1176	1299	2038	1485	1441
57.5	1152	1376	1988	1589	1462
60.0	1127	1464	1996	1705	1462
62.5	1051	1526	2053	1788	1443
65.0	947	1469	2113	1808	1368
67.5	831	1360	2139	1662	1167
70.0	610	1137	2041	1364	988
72.5	416	792	1749	1210	861
75.0	340	645	1279	1108	710
77.5	253	540	844	908	513
80.0	146	378	533	620	282
82.5	86	214	231	321	176
85.0	53	111	91	117	79
87.5	26	34	30	24	24
90.0	0	0	0	0	0

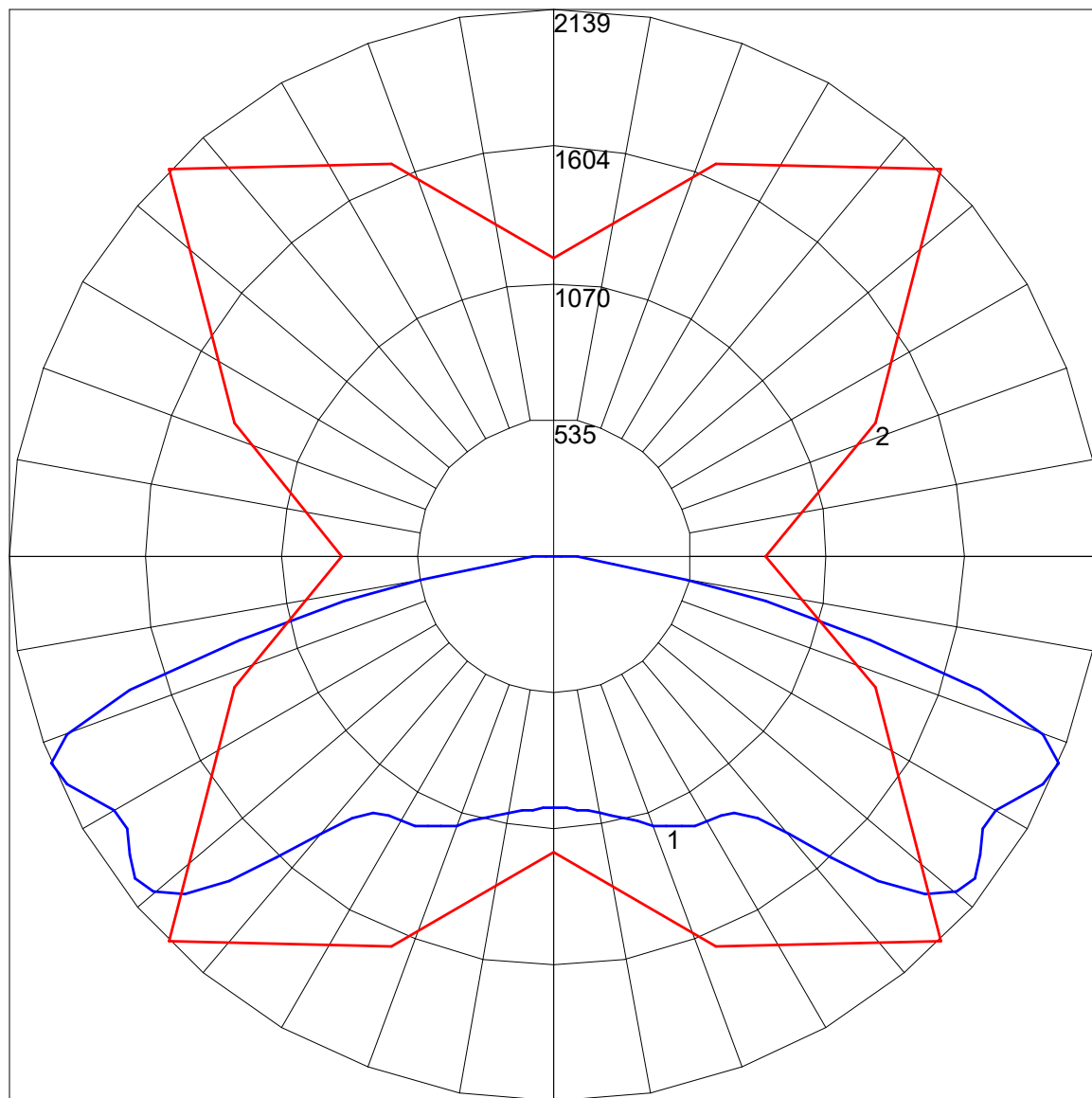
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

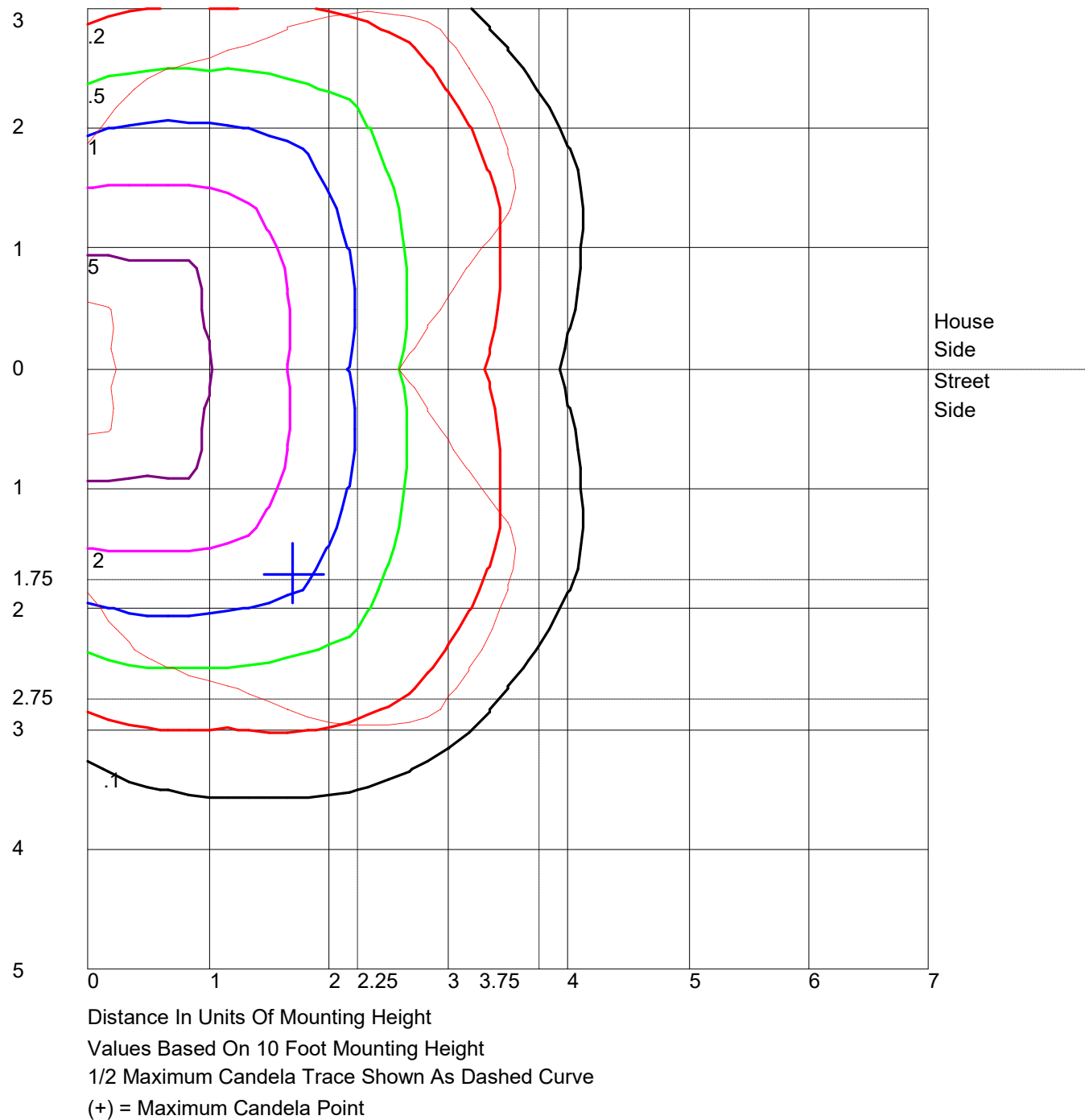
	Lumens	Percent Of Luminaire
Downward Street Side	3479.3	50.0
Downward House Side	3479.3	50.0
Downward Total	6958.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6958.6	100.0

POLAR GRAPH

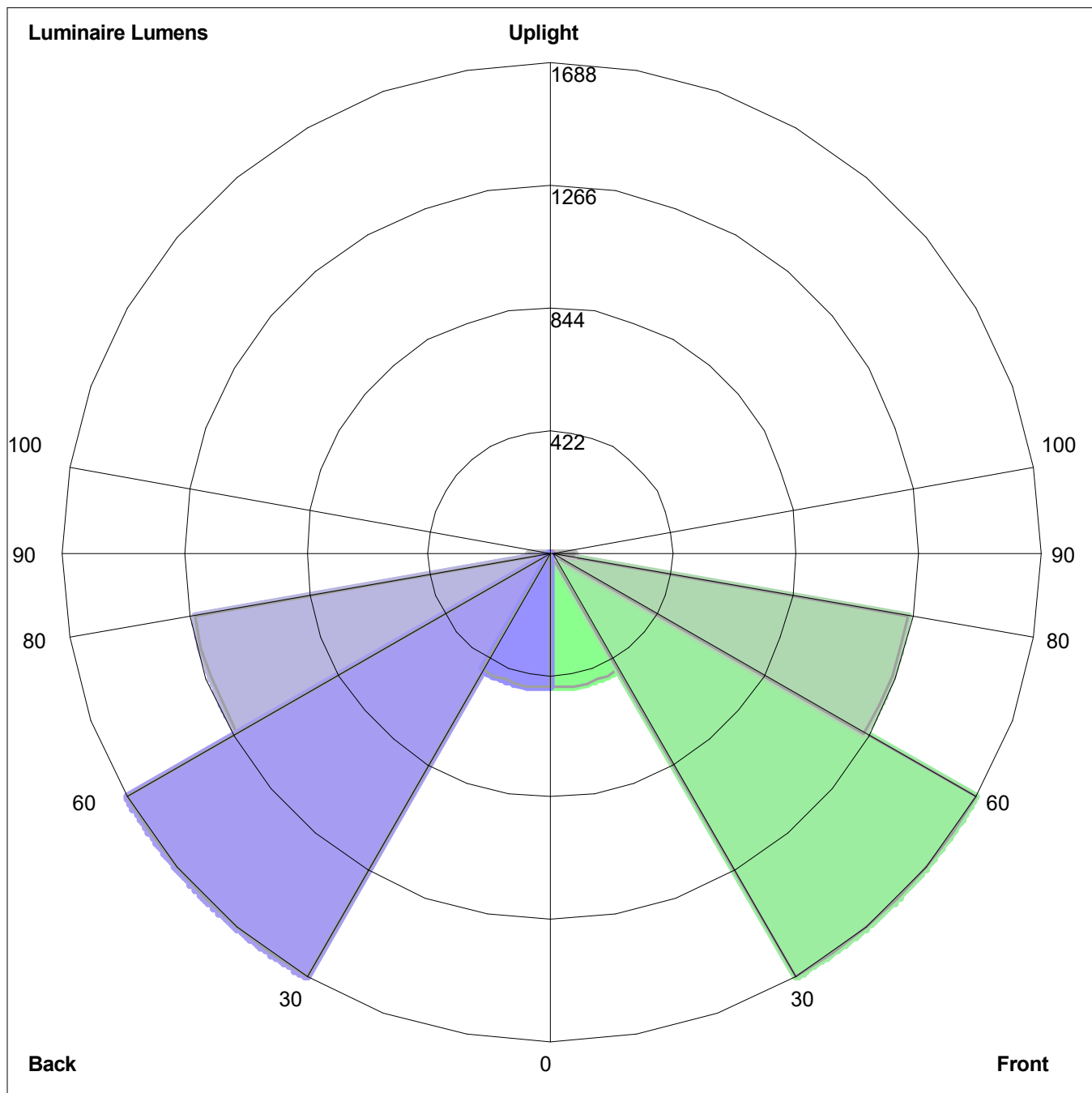


Maximum Candela = 2139 Located At Horizontal Angle = 45, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=465.9, Medium=1688.2, High=1248.1, Very High=77.0  
Back: Low=465.9, Medium=1688.2, High=1248.1, Very High=77.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1