



## IES ROAD REPORT

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

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-4006

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/13/2020

[TEST DATE] 05/01/13

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] XSL2-5A-LED-50-HO-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	5842
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	87
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1590
Maximum Candela Angle	90H 30V
Maximum Candela (<90 Degrees Vertical)	1590
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	302 (5.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

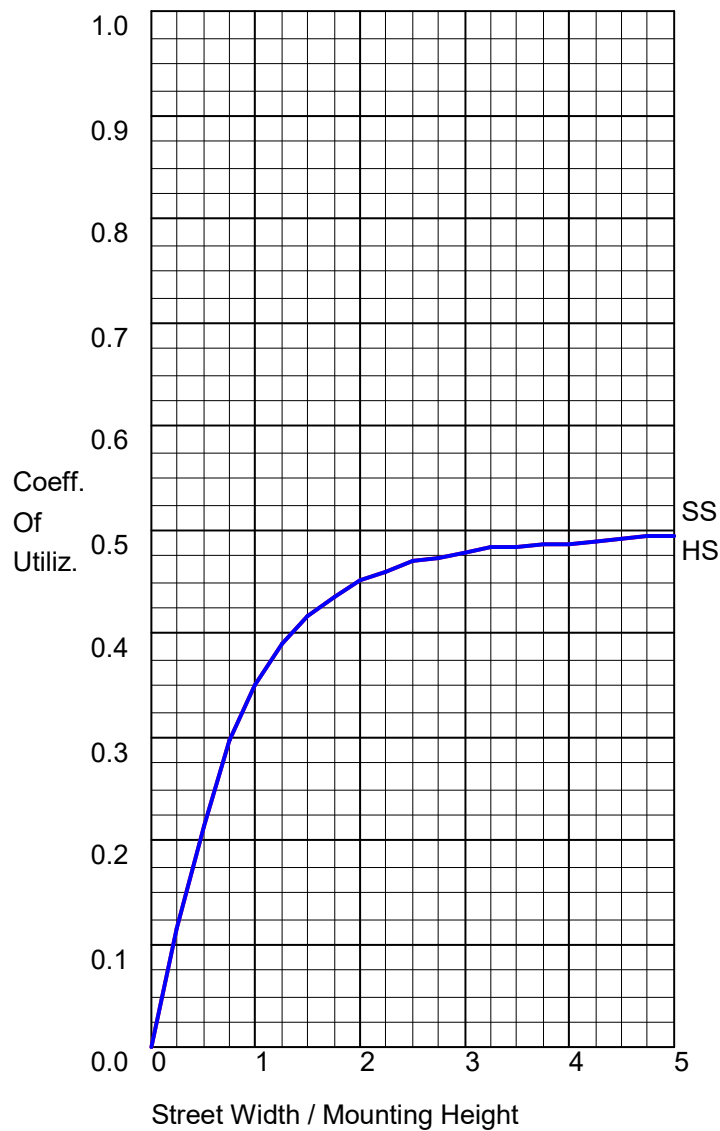
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	634.0	N.A.	10.9
FM - Front-Medium (30-60)	1548.8	N.A.	26.5
FH - Front-High (60-80)	675.0	N.A.	11.6
FVH - Front-Very High (80-90)	63.1	N.A.	1.1
BL - Back-Low (0-30)	634.0	N.A.	10.9
BM - Back-Medium (30-60)	1548.8	N.A.	26.5
BH - Back-High (60-80)	675.0	N.A.	11.6
BVH - Back-Very High (80-90)	63.1	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	5841.8	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	1479	1479	1479	1479	1479
2.5	1481	1480	1479	1478	1472
5.0	1480	1479	1480	1481	1475
7.5	1478	1479	1482	1487	1482
10.0	1475	1478	1486	1495	1492
12.5	1472	1477	1492	1507	1506
15.0	1467	1475	1498	1519	1520
17.5	1462	1474	1504	1533	1536
20.0	1458	1472	1510	1546	1552
22.5	1453	1470	1517	1558	1566
25.0	1449	1468	1521	1568	1577
27.5	1444	1465	1524	1575	1586
30.0	1439	1461	1525	1579	1590
32.5	1431	1455	1524	1578	1588
35.0	1419	1446	1521	1571	1578
37.5	1400	1432	1514	1556	1560
40.0	1375	1411	1504	1533	1532
42.5	1341	1385	1489	1502	1495
45.0	1300	1350	1467	1463	1447
47.5	1250	1309	1436	1414	1391
50.0	1194	1260	1396	1359	1327
52.5	1132	1203	1346	1296	1259
55.0	1065	1141	1286	1227	1185
57.5	993	1072	1215	1151	1106
60.0	916	996	1136	1070	1023
62.5	835	915	1049	983	935
65.0	751	829	953	890	844
67.5	664	737	851	793	749
70.0	575	642	744	692	652
72.5	486	544	632	587	552
75.0	396	446	520	482	452
77.5	311	348	407	378	353
80.0	230	259	302	282	264
82.5	151	171	202	187	174
85.0	91	98	112	104	96
87.5	39	44	50	47	43
90.0	0	0	0	0	0

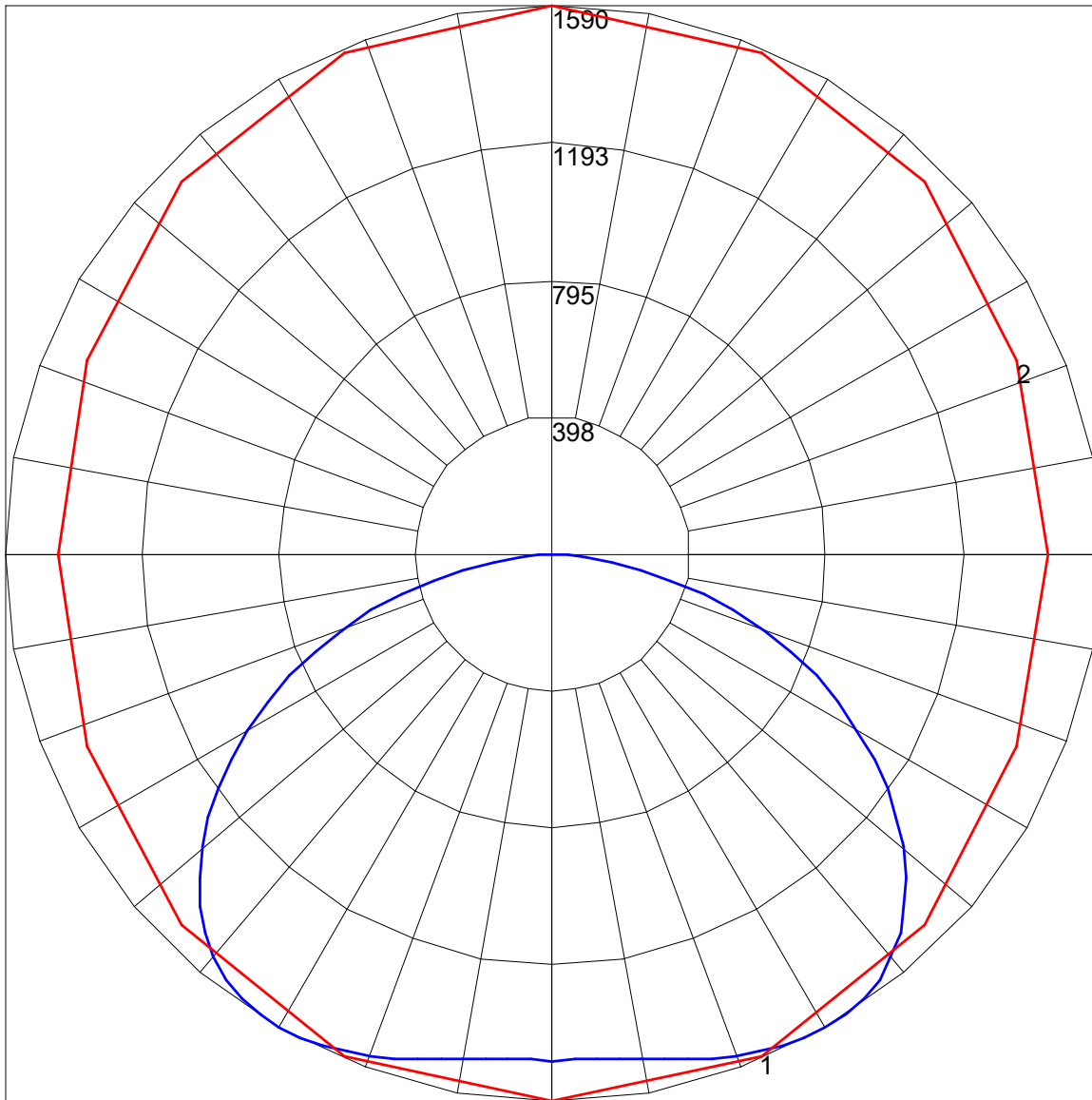
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

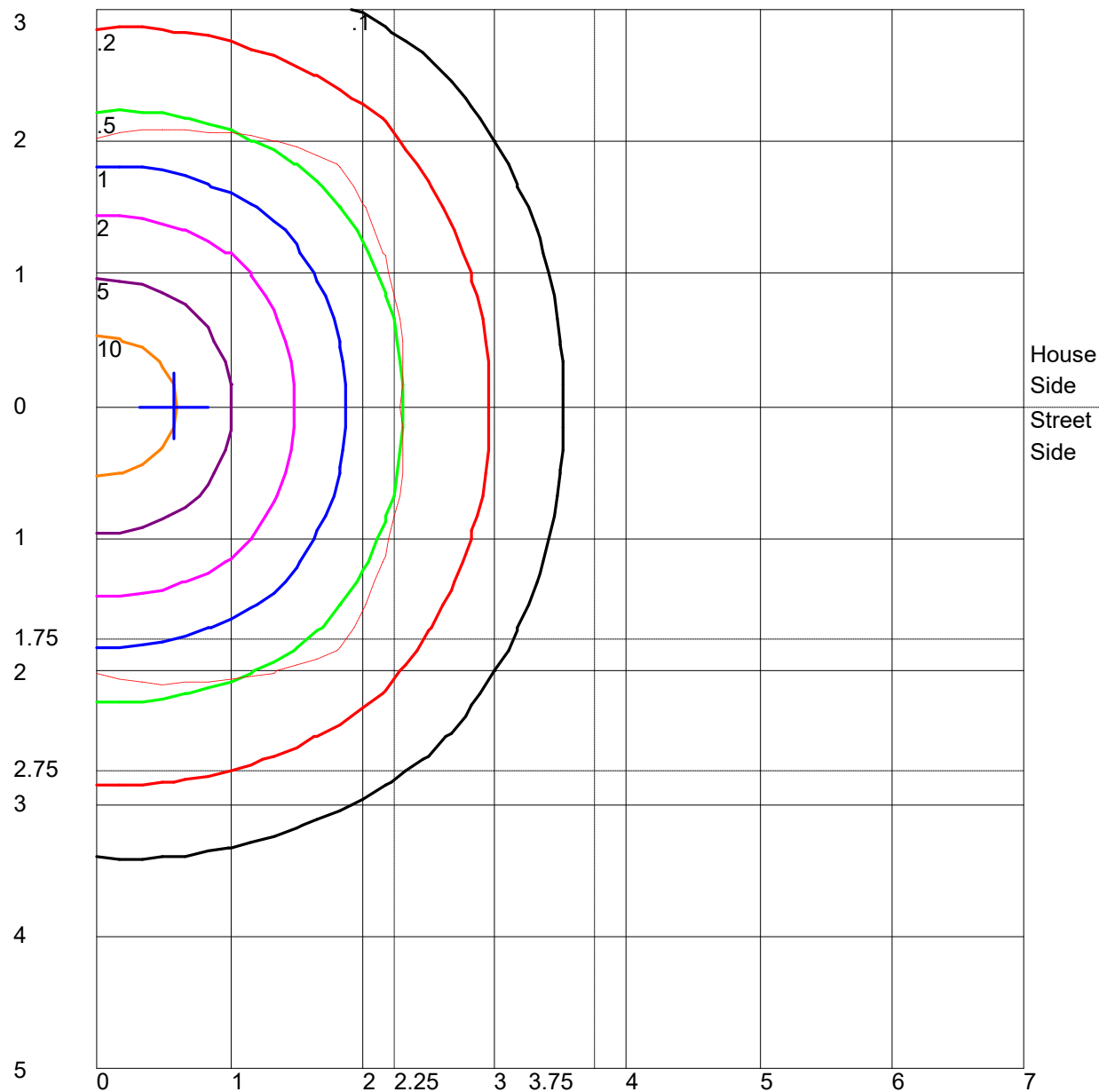
	Lumens	Percent Of Luminaire
Downward Street Side	2921.0	50.0
Downward House Side	2921.0	50.0
Downward Total	5842.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5842.0	100.0

POLAR GRAPH

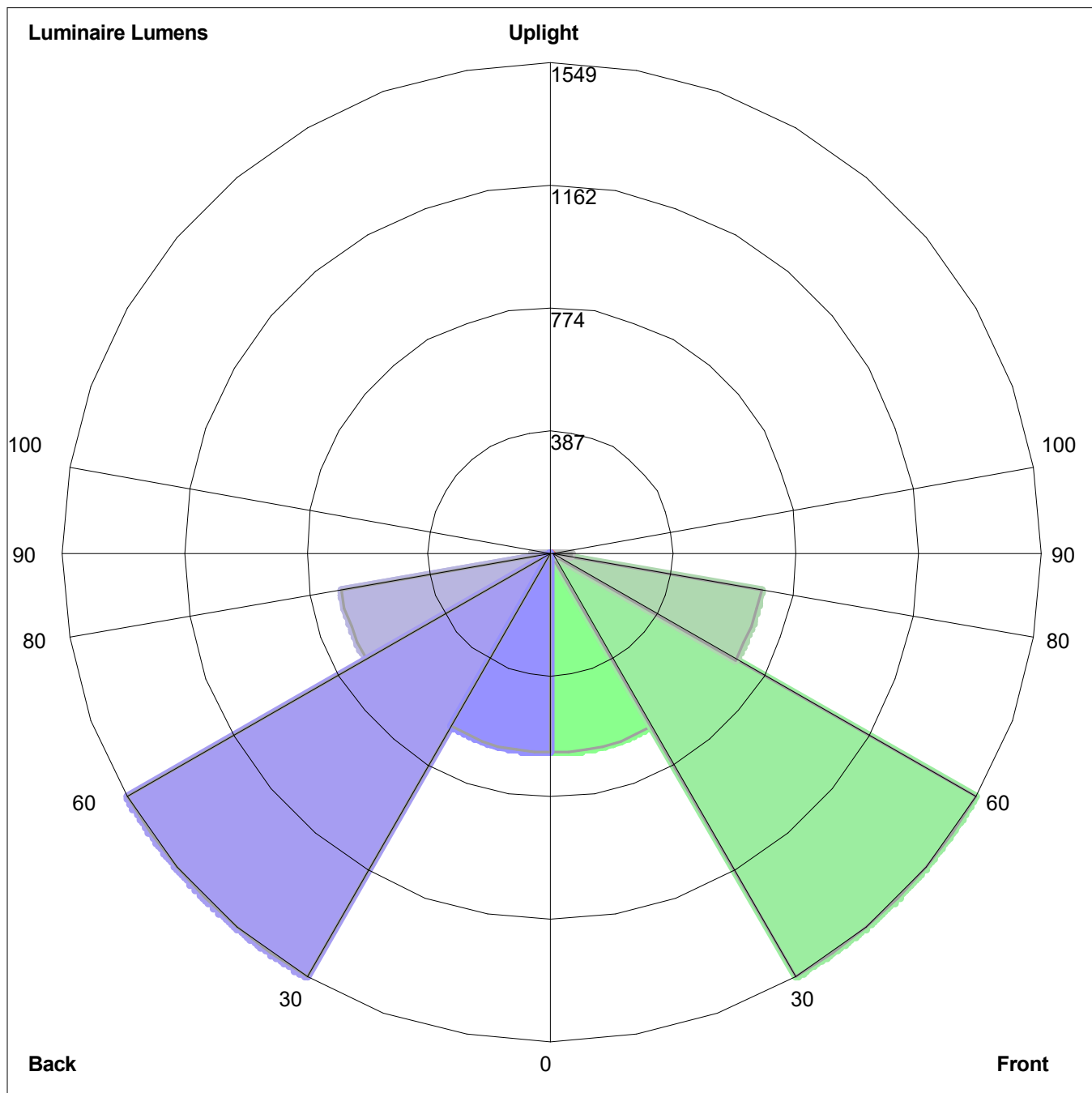


Maximum Candela = 1590 Located At Horizontal Angle = 90, Vertical Angle = 30  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=634.0, Medium=1548.8, High=675.0, Very High=63.1  
Back: Low=634.0, Medium=1548.8, High=675.0, Very High=63.1  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1