



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : XSPS-S-LED-VHO-WW-DFL.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12739  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 05/10/2021  
[TESTDATE] 04/27/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] XSPS-S-LED-VHO-WW-DFL  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Outdoor  
[SEARCH\_COLORTEMP] 3000

**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5733
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	48.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2280
Maximum Candela Angle	90H 2.5V
Maximum Candela (<90 Degrees Vertical)	2280
Maximum Candela Angle (<90 Degrees Vertical)	90H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	190 (3.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

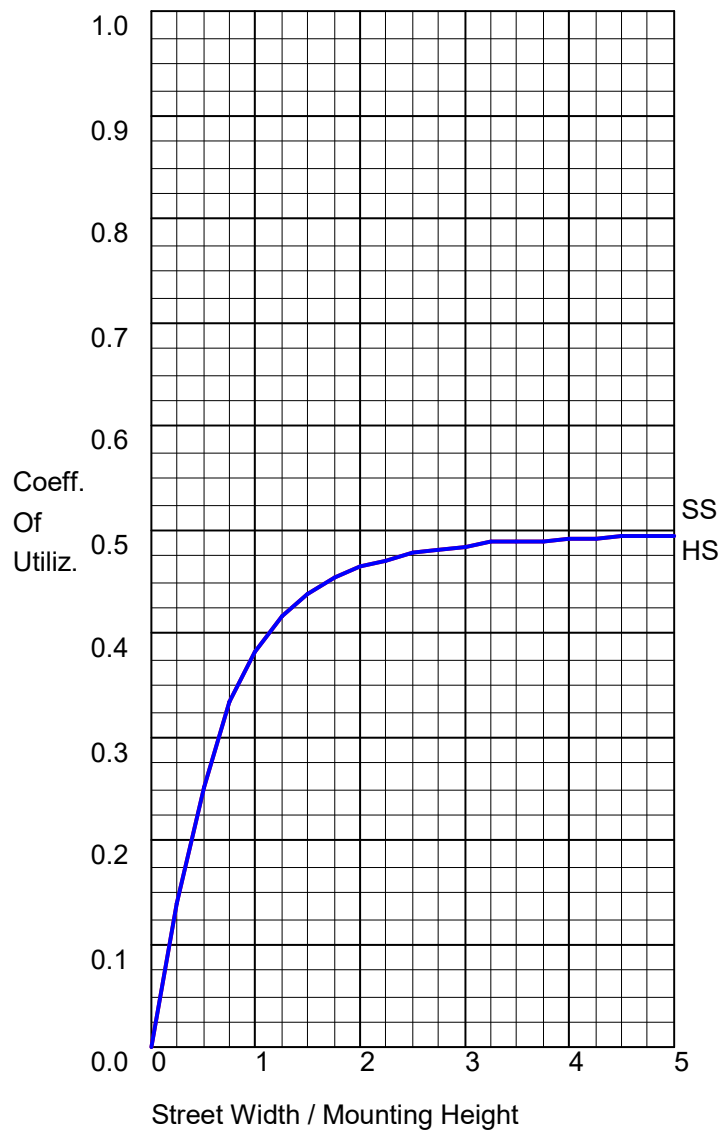
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	876.9	N.A.	15.3
FM - Front-Medium (30-60)	1467.4	N.A.	25.6
FH - Front-High (60-80)	474.2	N.A.	8.3
FVH - Front-Very High (80-90)	48.2	N.A.	0.8
BL - Back-Low (0-30)	876.9	N.A.	15.3
BM - Back-Medium (30-60)	1467.4	N.A.	25.6
BH - Back-High (60-80)	474.2	N.A.	8.3
BVH - Back-Very High (80-90)	48.2	N.A.	0.8
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5733.4	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	2274	2274	2274	2274	2274
2.5	2279	2279	2278	2278	2280
5.0	2275	2275	2274	2275	2276
7.5	2263	2264	2263	2264	2266
10.0	2247	2248	2247	2248	2249
12.5	2223	2224	2224	2224	2226
15.0	2192	2193	2191	2193	2196
17.5	2154	2155	2154	2156	2157
20.0	2108	2110	2110	2111	2112
22.5	2057	2058	2058	2057	2057
25.0	1998	2000	2001	2000	2000
27.5	1931	1934	1935	1932	1933
30.0	1857	1859	1858	1859	1859
32.5	1777	1778	1778	1778	1779
35.0	1685	1691	1692	1693	1693
37.5	1596	1598	1604	1604	1604
40.0	1505	1505	1512	1514	1513
42.5	1407	1412	1421	1420	1421
45.0	1314	1320	1326	1328	1329
47.5	1222	1227	1234	1236	1232
50.0	1130	1136	1143	1142	1140
52.5	1040	1046	1052	1047	1044
55.0	951	957	960	958	955
57.5	865	867	871	870	867
60.0	776	782	786	785	783
62.5	694	694	700	701	699
65.0	609	613	620	619	618
67.5	531	535	539	540	540
70.0	456	459	463	464	459
72.5	383	386	390	385	382
75.0	314	317	320	315	313
77.5	249	250	251	250	248
80.0	185	189	190	189	188
82.5	131	132	135	134	133
85.0	82	83	85	85	84
87.5	41	43	43	43	42
90.0	0	0	0	0	0

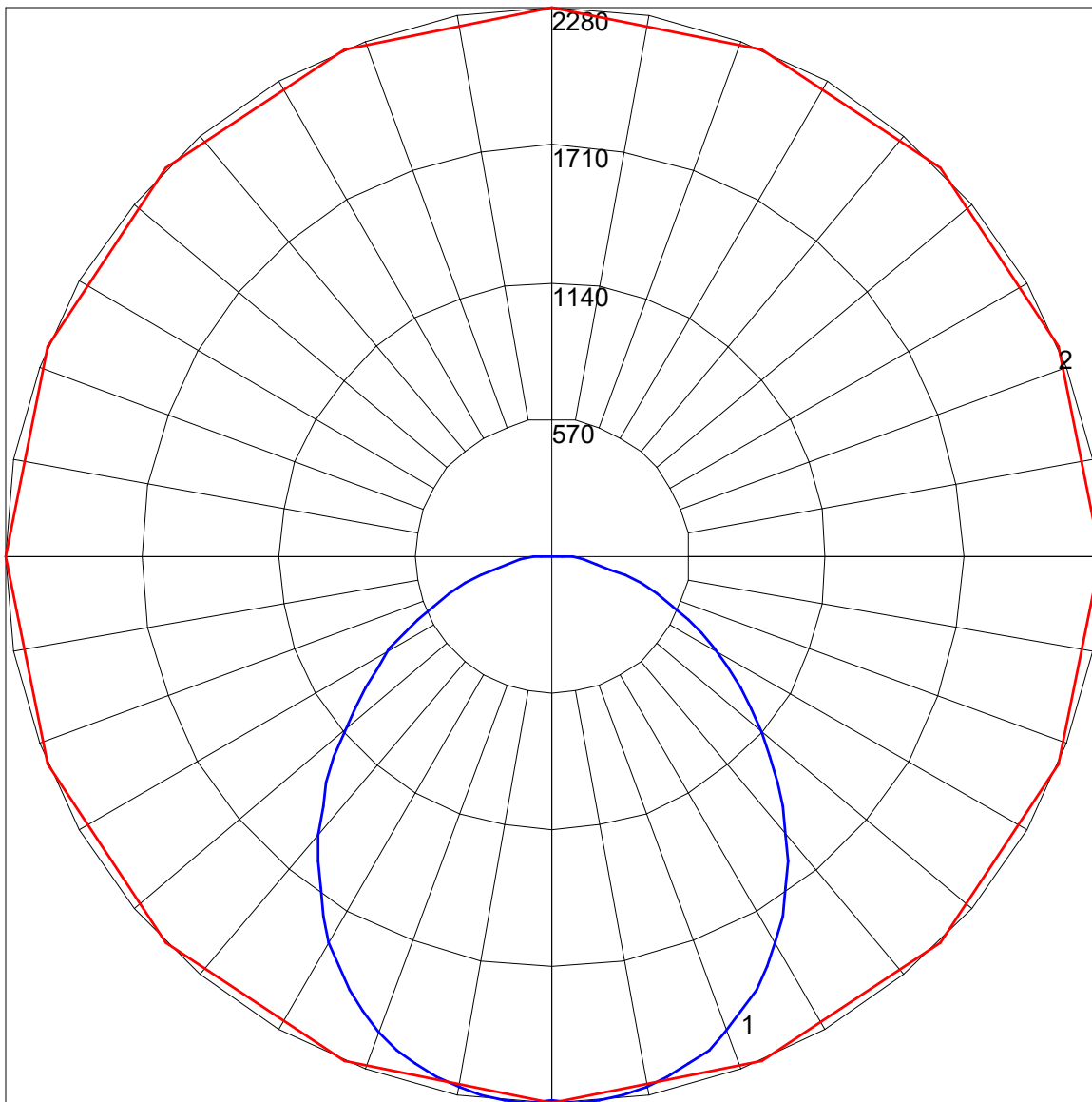
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

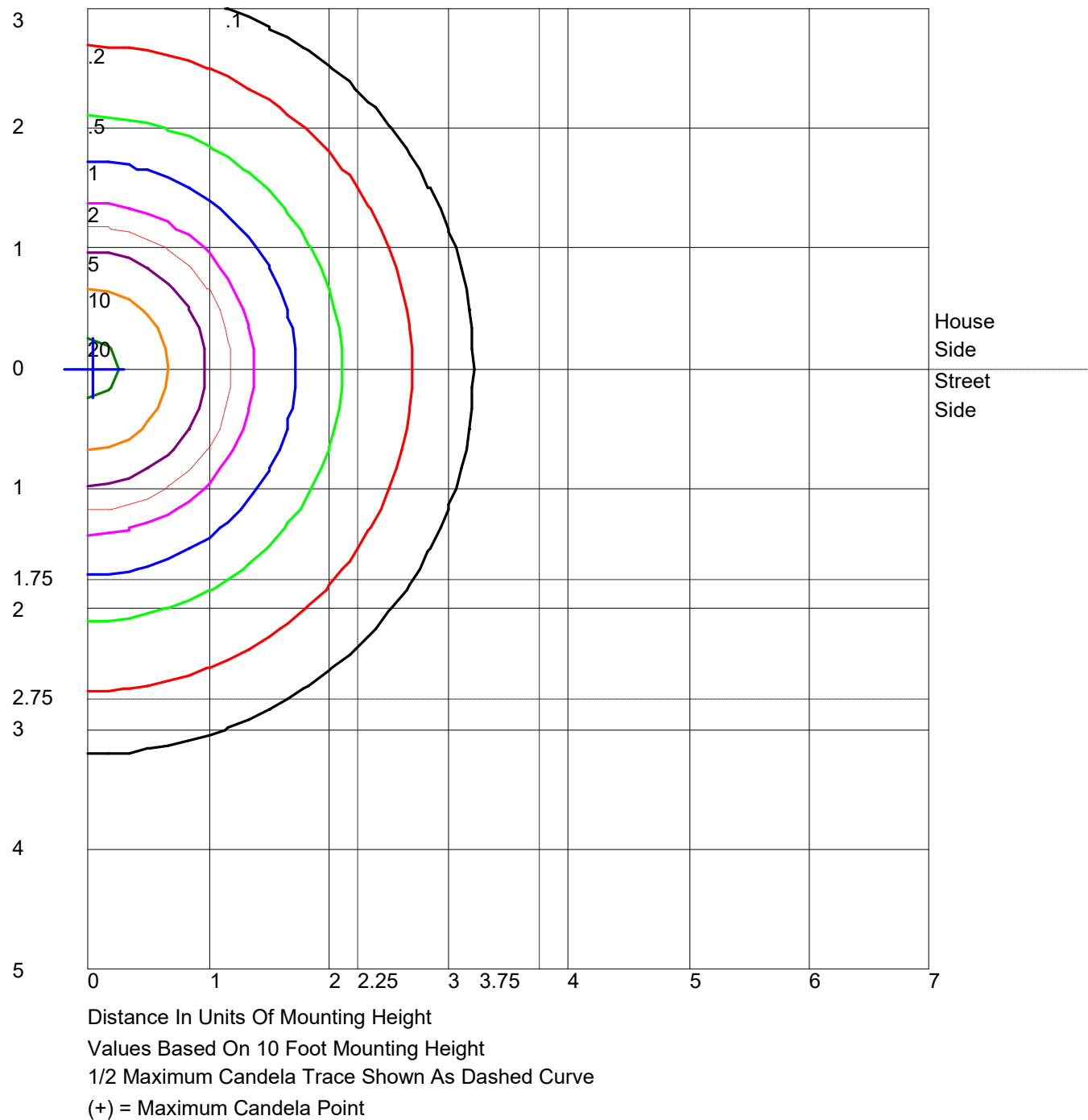
	Lumens	Percent Of Luminaire
Downward Street Side	2866.7	50.0
Downward House Side	2866.7	50.0
Downward Total	5733.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5733.4	100.0

POLAR GRAPH

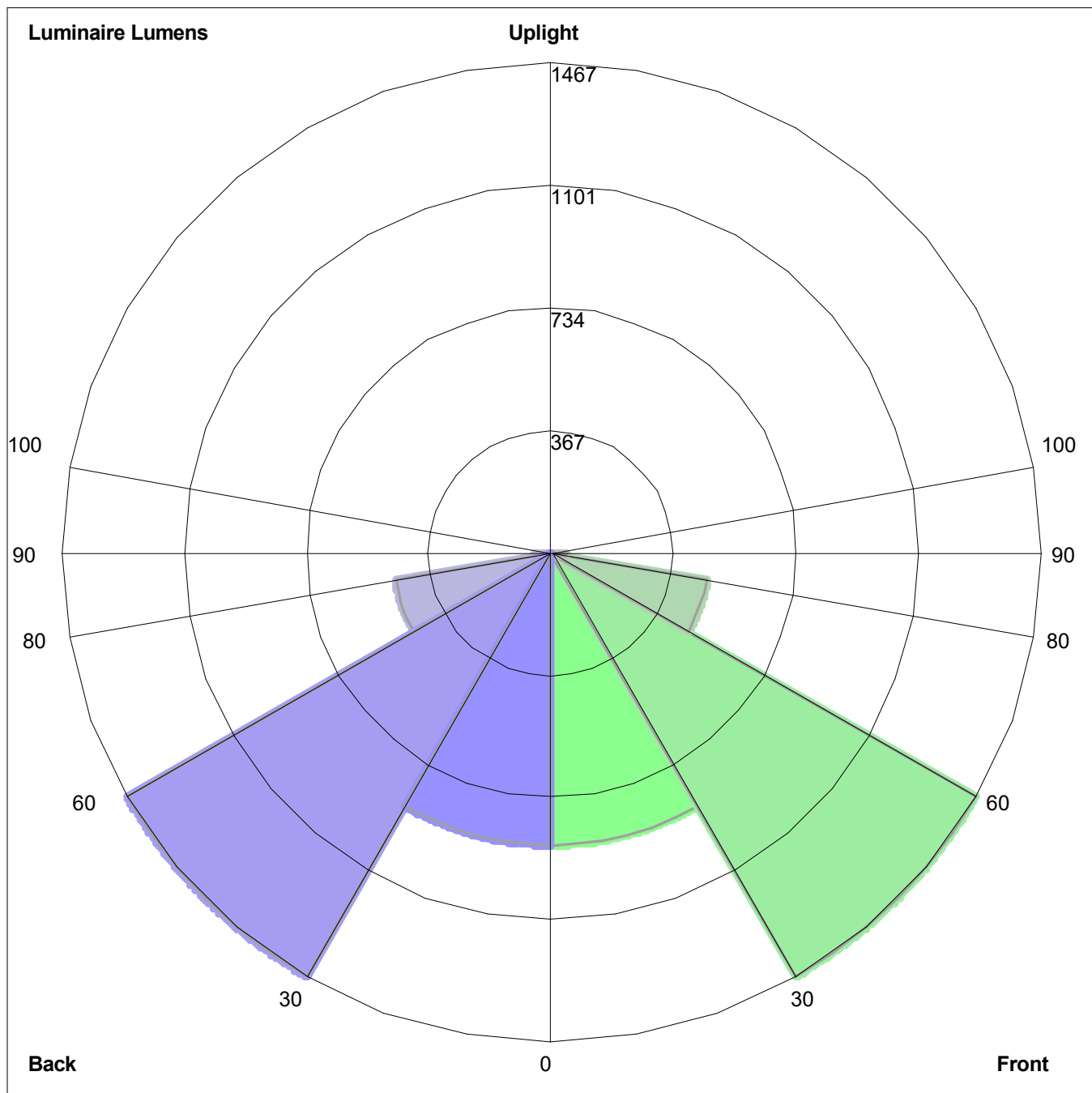


Maximum Candela = 2280 Located At Horizontal Angle = 90, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=876.9, Medium=1467.4, High=474.2, Very High=48.2  
Back: Low=876.9, Medium=1467.4, High=474.2, Very High=48.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1