



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : XSPS-S-LED-VHO-CW-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-CW-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] 5000

**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5957
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	48.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2369
Maximum Candela Angle	90H 2.5V
Maximum Candela (<90 Degrees Vertical)	2369
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	197 (3.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

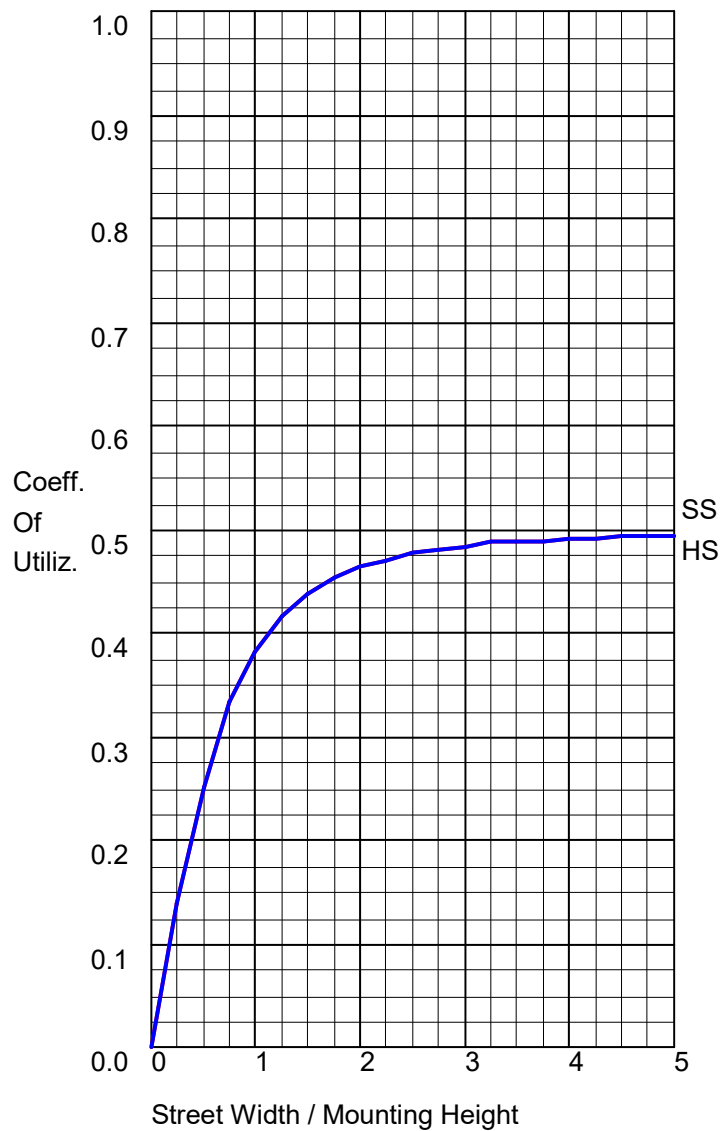
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	911.2	N.A.	15.3
FM - Front-Medium (30-60)	1524.7	N.A.	25.6
FH - Front-High (60-80)	492.6	N.A.	8.3
FVH - Front-Very High (80-90)	50.0	N.A.	0.8
BL - Back-Low (0-30)	911.2	N.A.	15.3
BM - Back-Medium (30-60)	1524.7	N.A.	25.6
BH - Back-High (60-80)	492.6	N.A.	8.3
BVH - Back-Very High (80-90)	50.0	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	5957.0	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	2363	2363	2363	2363	2363
2.5	2368	2368	2367	2367	2369
5.0	2364	2364	2363	2364	2365
7.5	2352	2353	2352	2353	2355
10.0	2335	2336	2335	2336	2337
12.5	2309	2310	2310	2310	2313
15.0	2278	2279	2277	2279	2282
17.5	2238	2239	2238	2240	2241
20.0	2190	2192	2192	2193	2194
22.5	2137	2139	2139	2138	2138
25.0	2076	2078	2079	2078	2078
27.5	2007	2010	2011	2008	2009
30.0	1930	1932	1931	1932	1932
32.5	1846	1848	1848	1848	1849
35.0	1751	1757	1758	1759	1759
37.5	1659	1661	1666	1666	1666
40.0	1564	1564	1571	1573	1572
42.5	1462	1467	1476	1475	1476
45.0	1366	1372	1378	1380	1381
47.5	1270	1275	1282	1284	1280
50.0	1174	1180	1187	1186	1184
52.5	1081	1087	1093	1088	1085
55.0	988	994	998	995	992
57.5	898	901	905	904	901
60.0	807	813	816	815	814
62.5	721	721	728	729	727
65.0	633	637	644	643	642
67.5	552	556	560	561	561
70.0	474	477	481	482	477
72.5	398	401	405	400	397
75.0	326	329	332	327	325
77.5	258	259	260	259	257
80.0	192	196	197	196	195
82.5	136	137	140	139	138
85.0	85	86	89	89	88
87.5	42	44	44	44	43
90.0	0	0	0	0	0

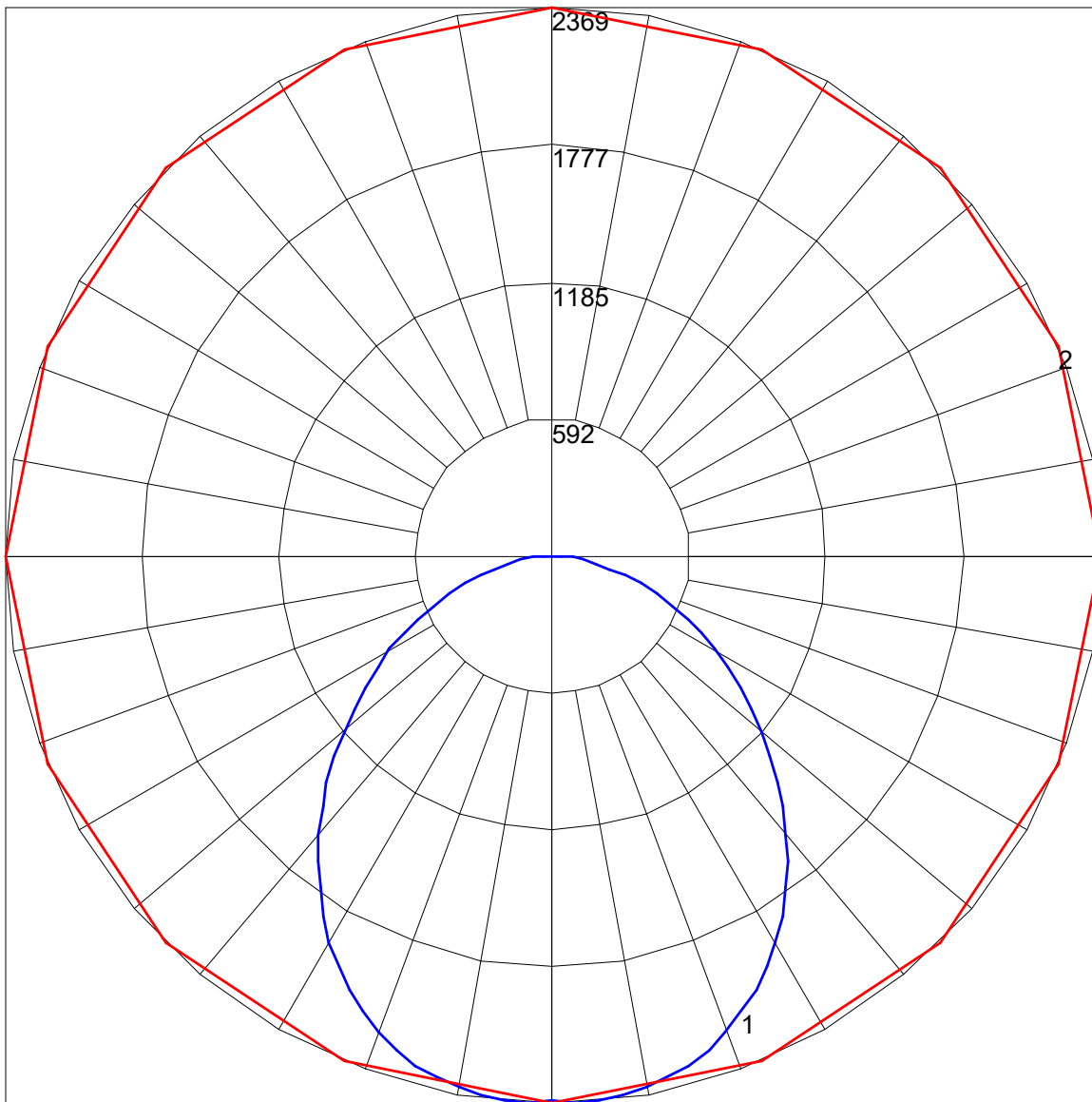
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

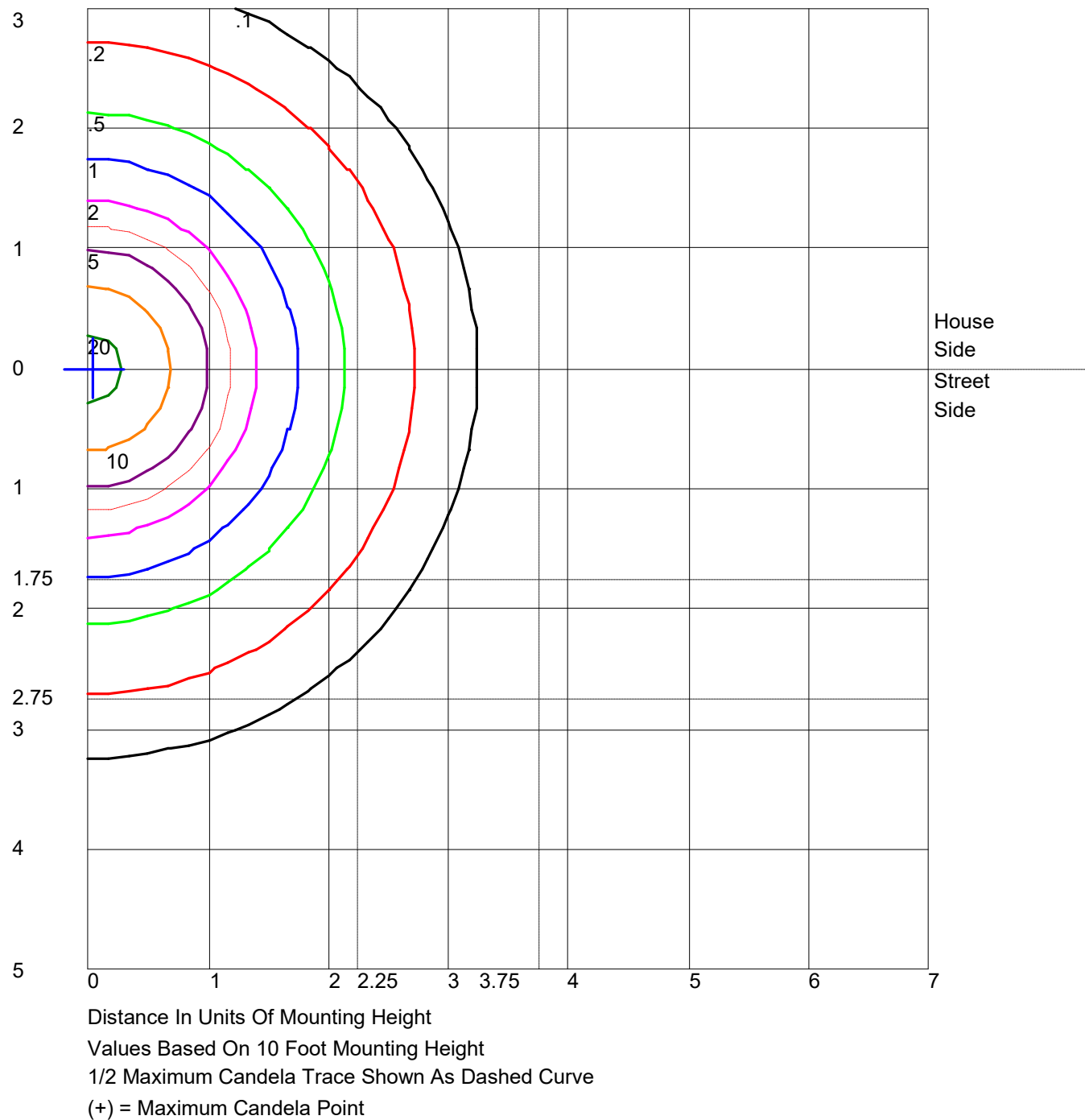
	Lumens	Percent Of Luminaire
Downward Street Side	2978.5	50.0
Downward House Side	2978.5	50.0
Downward Total	5957.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5957.0	100.0

POLAR GRAPH

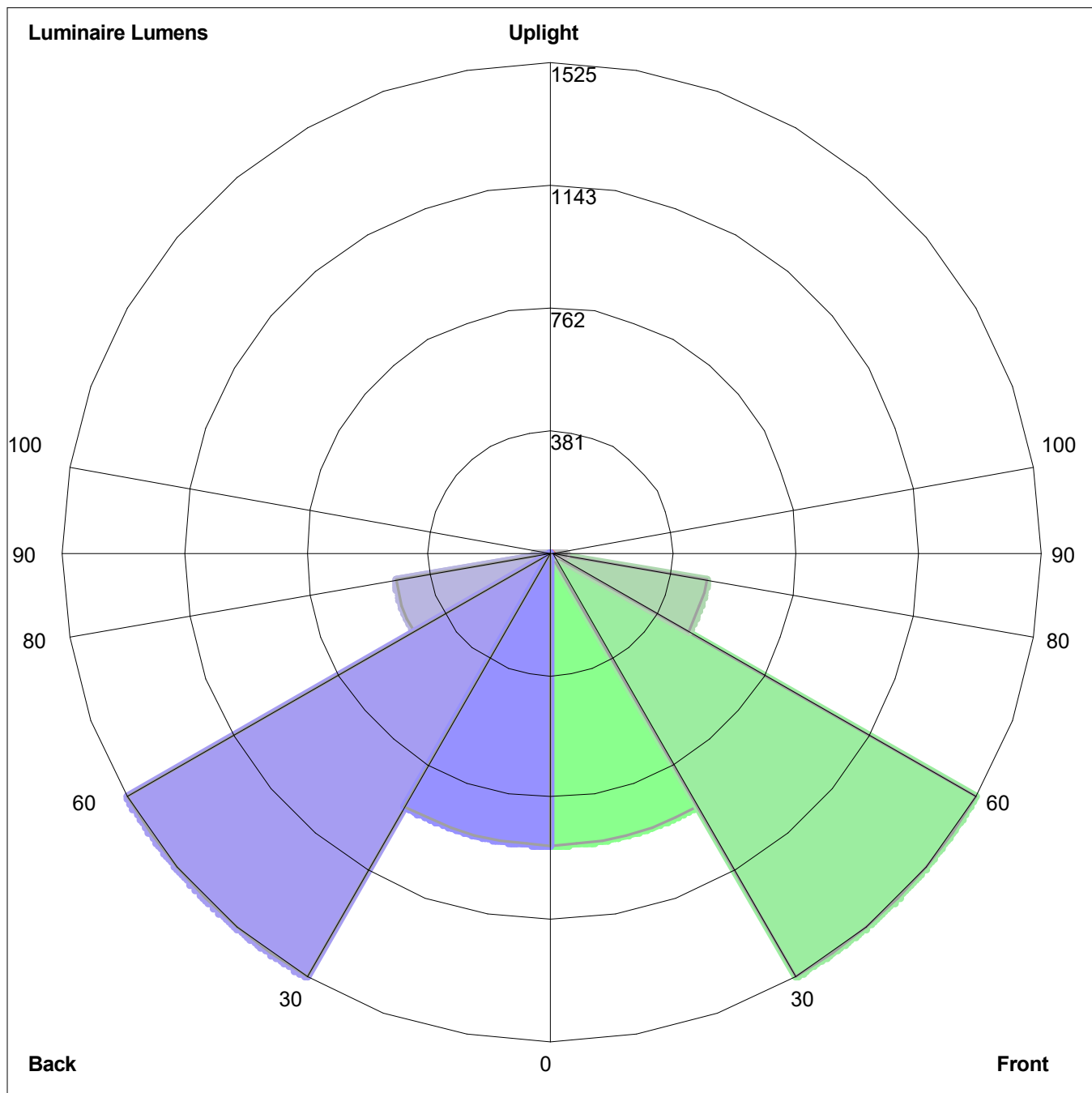


Maximum Candela = 2369 Located At Horizontal Angle = 90, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=911.2, Medium=1524.7, High=492.6, Very High=50.0  
Back: Low=911.2, Medium=1524.7, High=492.6, Very High=50.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1