



## IES ROAD REPORT

PHOTOMETRIC FILENAME : XSPS-S-LED-HO-CW-DFL.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-12741  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 05/10/2021  
[TESTDATE] 04/27/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] XSPS-S-LED-HO-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	4941
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	39.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1967
Maximum Candela Angle	90H 2.5V
Maximum Candela (<90 Degrees Vertical)	1967
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	163 (3.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

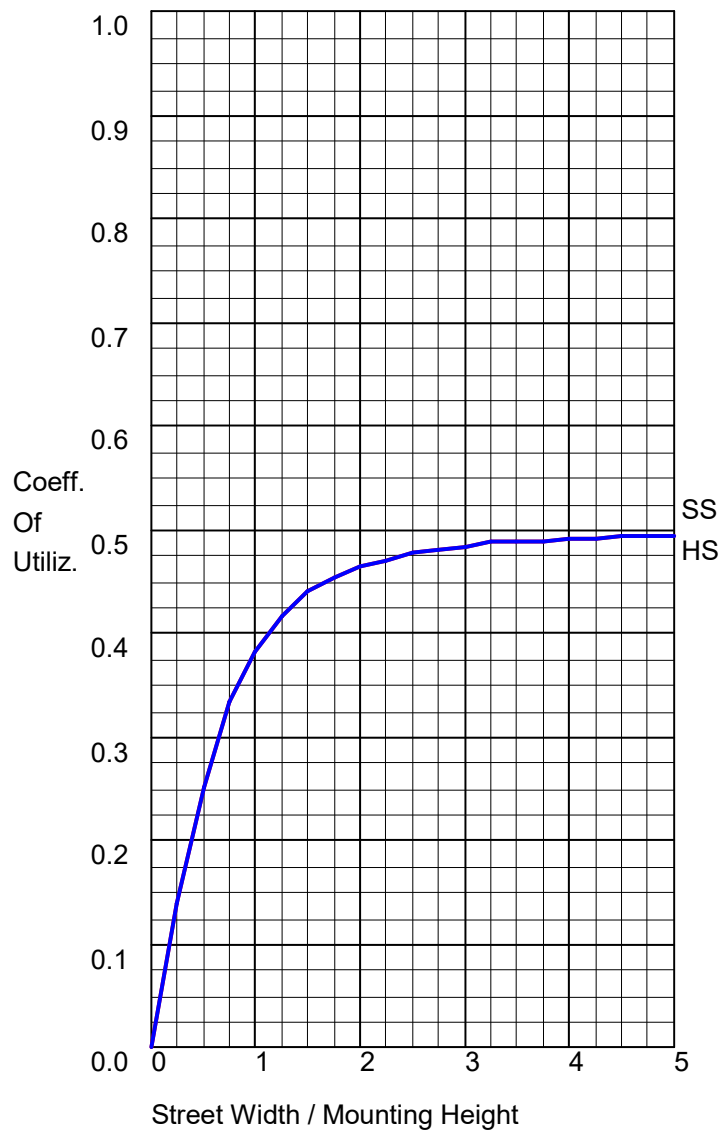
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	757.1	N.A.	15.3
FM - Front-Medium (30-60)	1264.6	N.A.	25.6
FH - Front-High (60-80)	407.4	N.A.	8.2
FVH - Front-Very High (80-90)	41.2	N.A.	0.8
BL - Back-Low (0-30)	757.1	N.A.	15.3
BM - Back-Medium (30-60)	1264.6	N.A.	25.6
BH - Back-High (60-80)	407.4	N.A.	8.2
BVH - Back-Very High (80-90)	41.2	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	4940.6	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	1963	1963	1963	1963	1963
2.5	1967	1967	1966	1966	1967
5.0	1965	1964	1963	1963	1965
7.5	1956	1955	1954	1955	1956
10.0	1942	1942	1940	1941	1942
12.5	1921	1921	1920	1921	1921
15.0	1894	1895	1893	1892	1893
17.5	1862	1863	1860	1860	1861
20.0	1822	1823	1821	1821	1822
22.5	1776	1777	1776	1777	1778
25.0	1725	1726	1726	1727	1727
27.5	1667	1666	1669	1670	1670
30.0	1599	1601	1605	1607	1607
32.5	1528	1531	1535	1537	1538
35.0	1453	1456	1461	1463	1463
37.5	1376	1379	1384	1384	1381
40.0	1297	1300	1304	1304	1303
42.5	1217	1221	1225	1225	1220
45.0	1136	1140	1145	1143	1140
47.5	1056	1060	1064	1061	1060
50.0	977	979	982	982	980
52.5	894	900	904	903	902
55.0	817	821	827	826	824
57.5	743	743	750	749	748
60.0	666	670	675	675	675
62.5	595	599	603	602	601
65.0	526	529	533	532	531
67.5	459	461	465	460	459
70.0	393	396	398	395	393
72.5	328	332	333	333	331
75.0	268	272	273	272	271
77.5	210	212	215	215	214
80.0	158	160	162	163	162
82.5	111	113	115	115	113
85.0	71	72	74	73	70
87.5	36	37	37	35	35
90.0	0	0	0	0	0

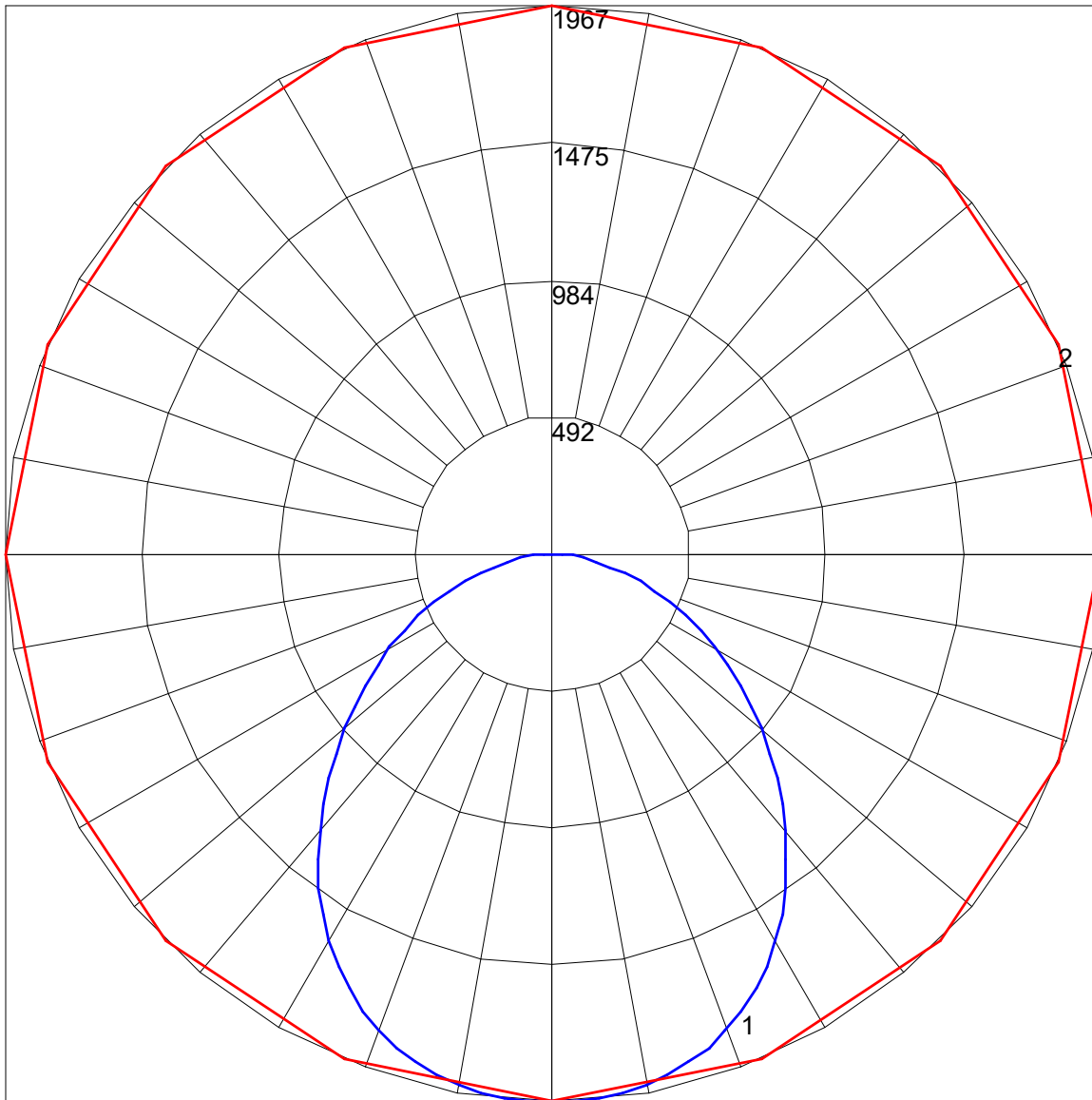
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

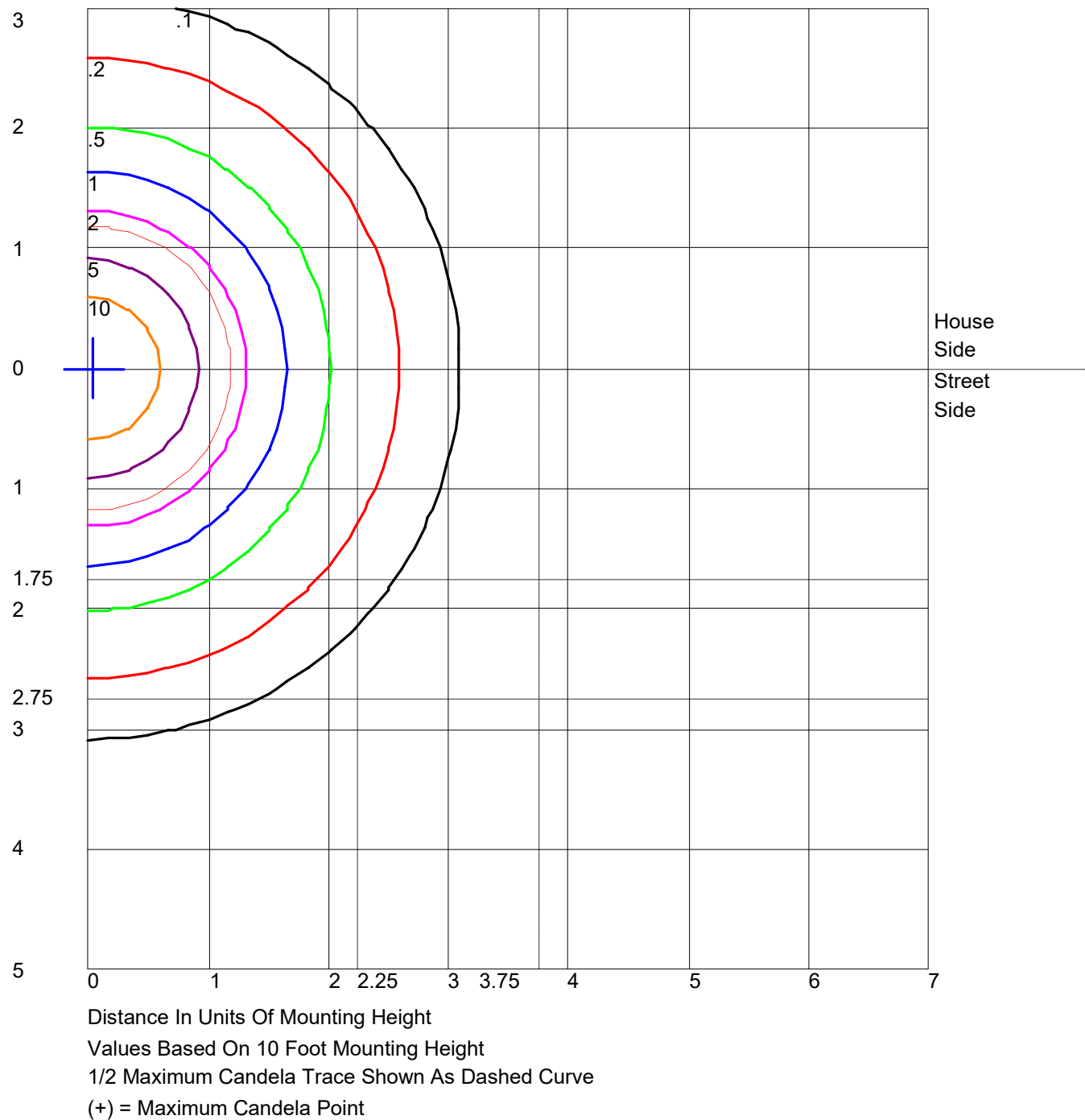
	Lumens	Percent Of Luminaire
Downward Street Side	2470.3	50.0
Downward House Side	2470.3	50.0
Downward Total	4940.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4940.6	100.0

POLAR GRAPH

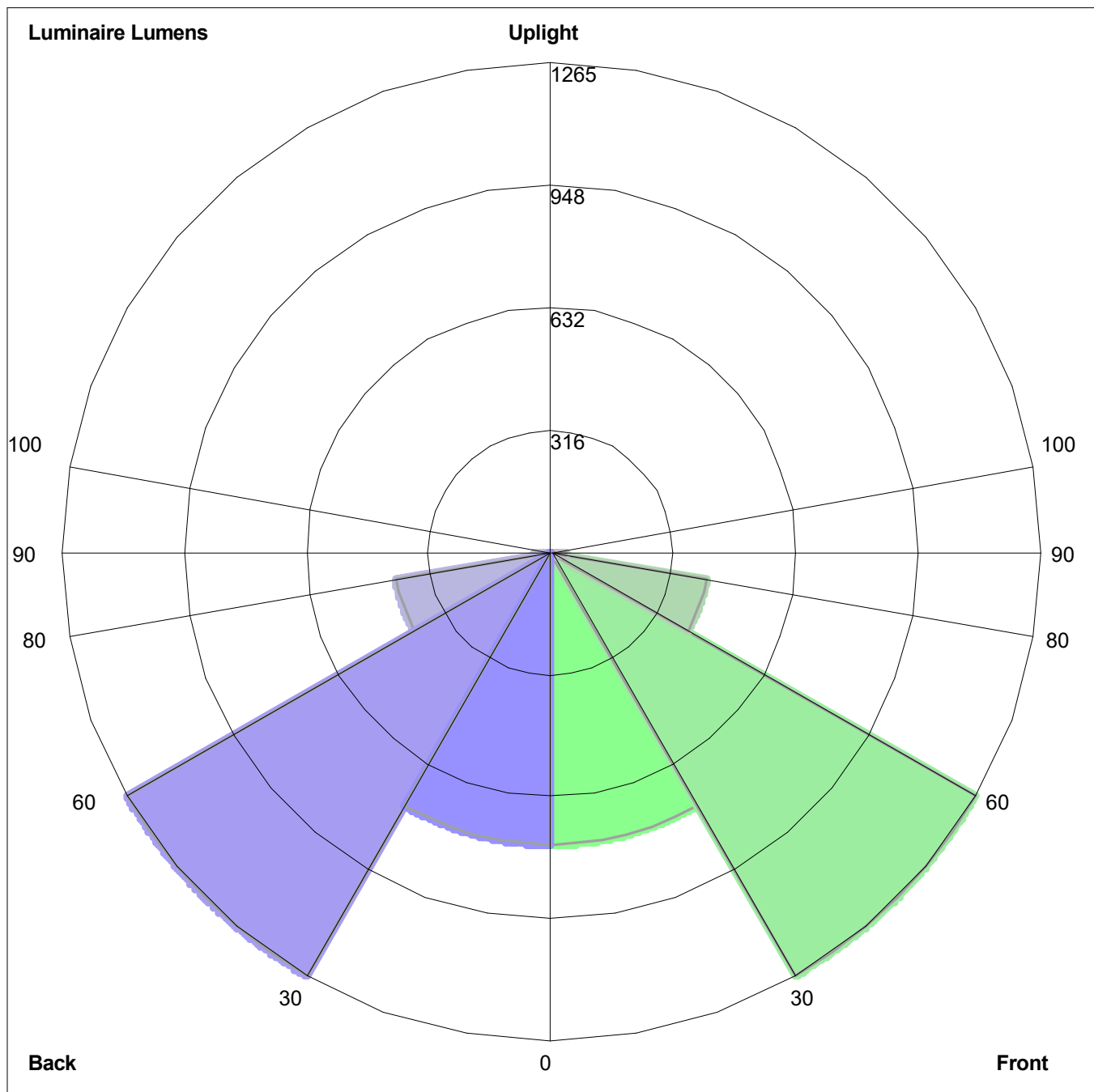


Maximum Candela = 1967 Located At Horizontal Angle = 90, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=757.1, Medium=1264.6, High=407.4, Very High=41.2  
Back: Low=757.1, Medium=1264.6, High=407.4, Very High=41.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1