



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12739
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 05/10/2021
[TEST DATE] 04/27/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] XSPS-S-LED-VHO-NW-DFL
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor
[SEARCH_COLORTEMP] 4000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6041
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	48.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2402
Maximum Candela Angle	90H 2.5V
Maximum Candela (<90 Degrees Vertical)	2402
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	200 (3.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

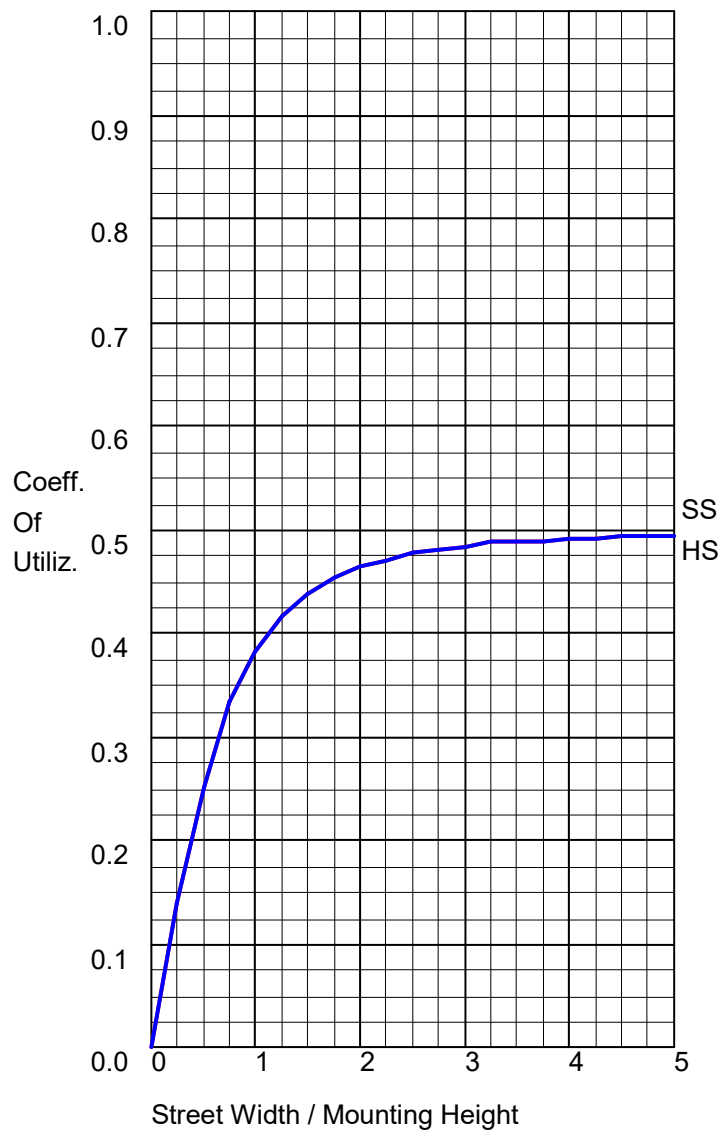
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	924.0	N.A.	15.3
FM - Front-Medium (30-60)	1546.2	N.A.	25.6
FH - Front-High (60-80)	499.7	N.A.	8.3
FVH - Front-Very High (80-90)	50.7	N.A.	0.8
BL - Back-Low (0-30)	924.0	N.A.	15.3
BM - Back-Medium (30-60)	1546.2	N.A.	25.6
BH - Back-High (60-80)	499.7	N.A.	8.3
BVH - Back-Very High (80-90)	50.7	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	6041.2	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	2396	2396	2396	2396	2396
2.5	2401	2401	2400	2400	2402
5.0	2397	2397	2396	2397	2398
7.5	2385	2386	2385	2386	2388
10.0	2368	2369	2368	2369	2370
12.5	2342	2343	2343	2343	2346
15.0	2310	2311	2309	2311	2314
17.5	2270	2271	2270	2272	2273
20.0	2221	2223	2223	2224	2225
22.5	2167	2169	2169	2168	2168
25.0	2105	2107	2108	2107	2107
27.5	2035	2038	2039	2036	2037
30.0	1957	1959	1958	1959	1959
32.5	1872	1874	1874	1874	1875
35.0	1776	1782	1783	1784	1784
37.5	1682	1684	1690	1690	1690
40.0	1586	1586	1593	1595	1594
42.5	1483	1488	1497	1496	1497
45.0	1385	1391	1397	1399	1400
47.5	1288	1293	1300	1302	1298
50.0	1191	1197	1204	1203	1201
52.5	1096	1102	1108	1103	1100
55.0	1002	1008	1012	1009	1006
57.5	911	914	918	917	914
60.0	818	824	828	827	825
62.5	731	731	738	739	737
65.0	642	646	653	652	651
67.5	560	564	568	569	569
70.0	481	484	488	489	484
72.5	404	407	411	406	403
75.0	331	334	337	332	330
77.5	262	263	264	263	261
80.0	195	199	200	199	198
82.5	138	139	142	141	140
85.0	86	87	90	90	89
87.5	43	45	45	45	44
90.0	0	0	0	0	0

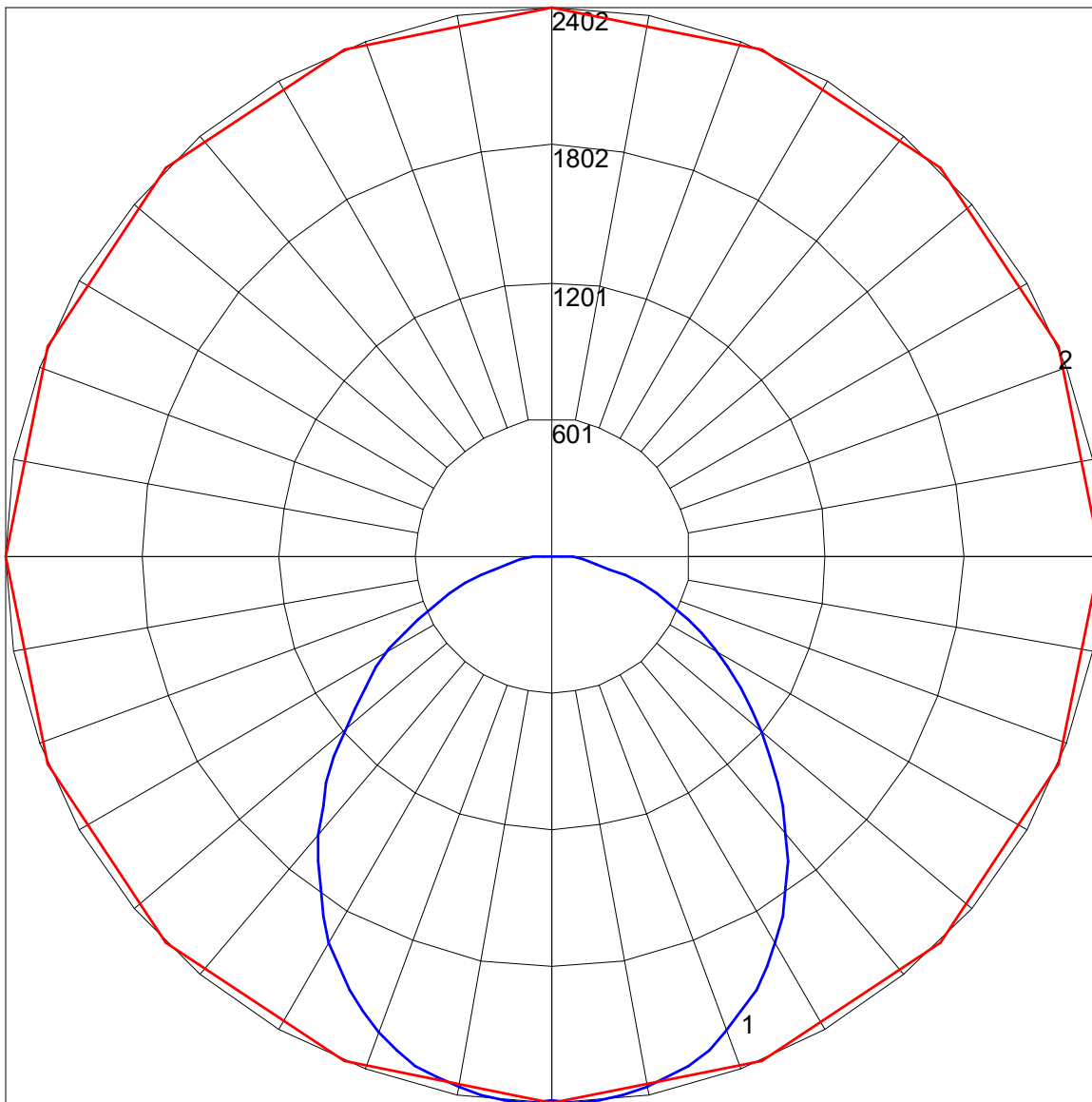
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

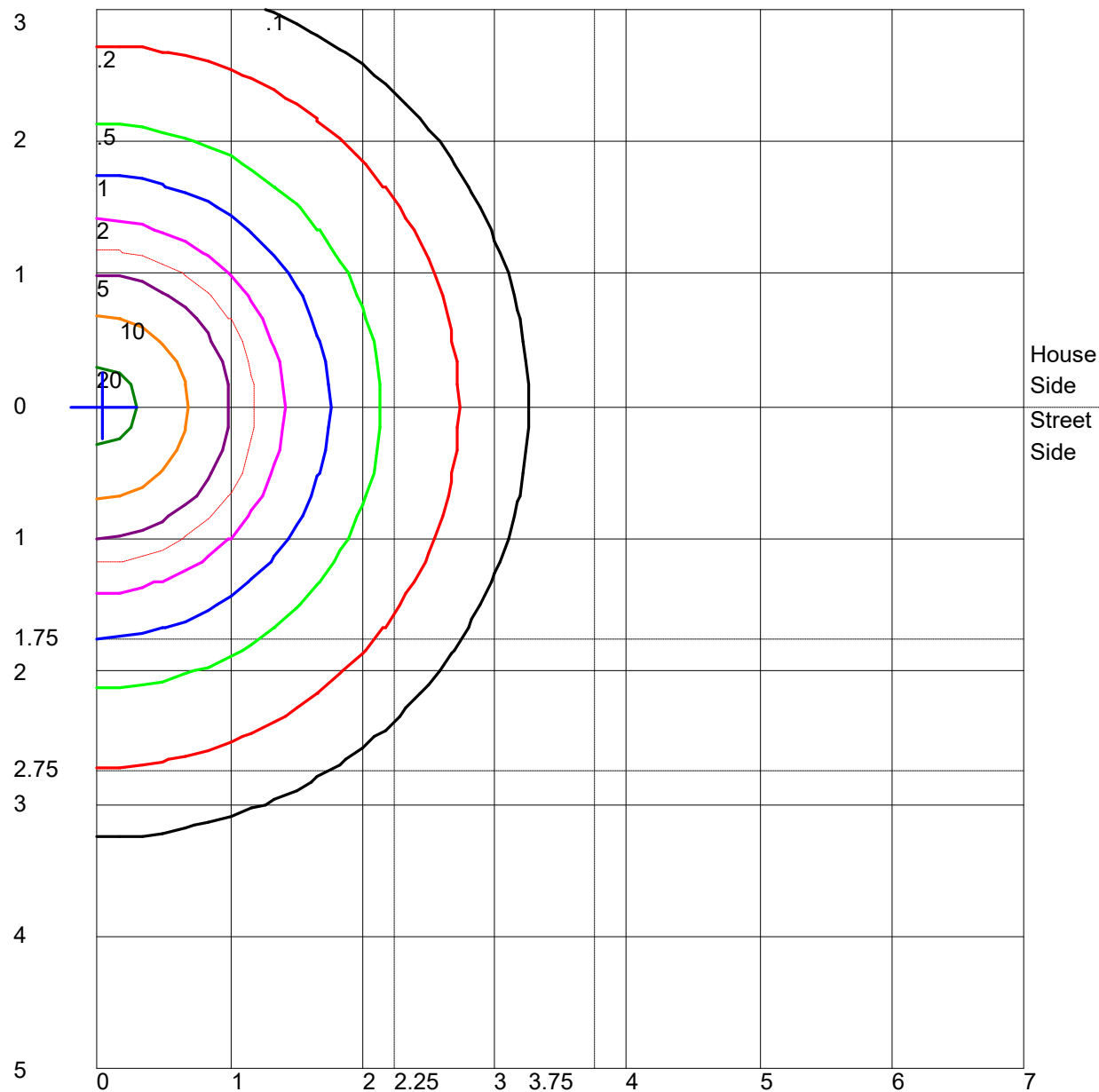
	Lumens	Percent Of Luminaire
Downward Street Side	3020.7	50.0
Downward House Side	3020.7	50.0
Downward Total	6041.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6041.4	100.0

POLAR GRAPH

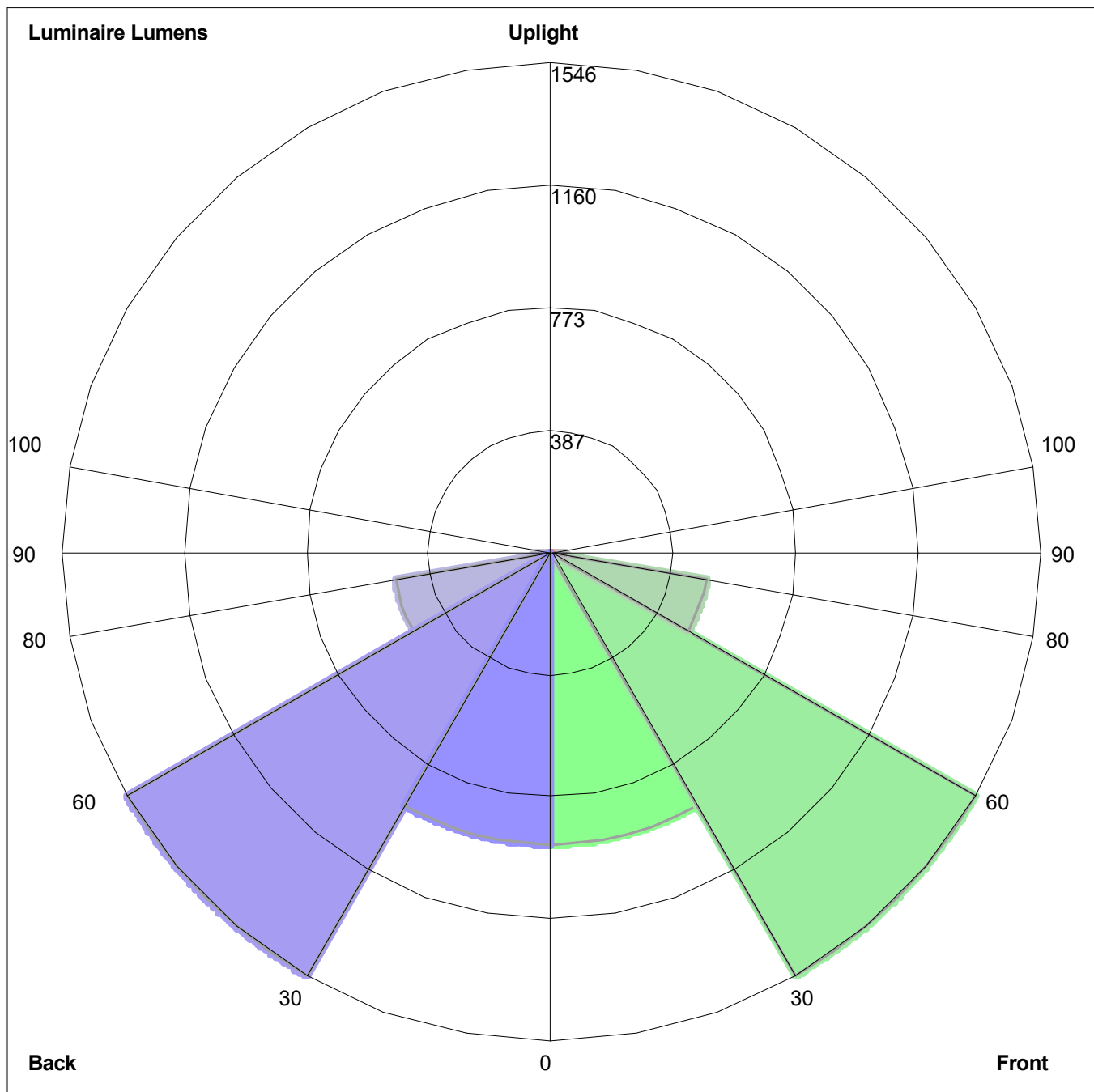


Maximum Candela = 2402 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=924.0, Medium=1546.2, High=499.7, Very High=50.7
Back: Low=924.0, Medium=1546.2, High=499.7, Very High=50.7
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1