



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

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12735  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 05/10/2021  
[TEST DATE] 04/26/21  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] XSPS-S-LED-SHO-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	7965
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	66.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3160
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	3160
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	266 (3.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

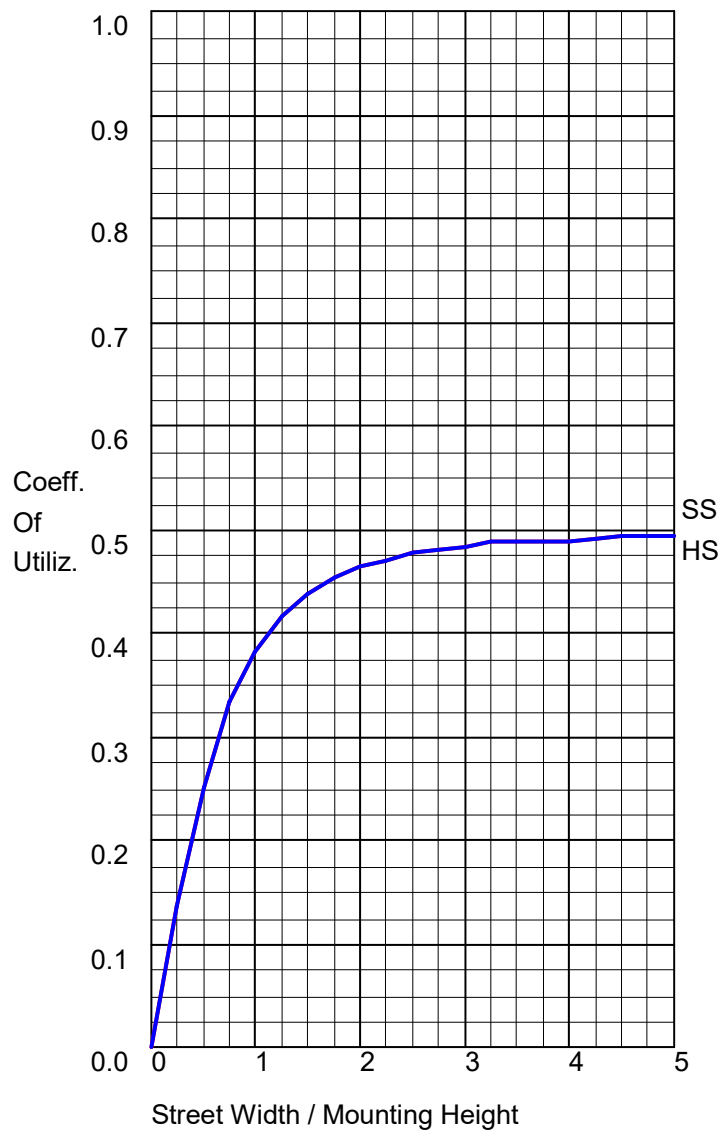
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1214.2	N.A.	15.2
FM - Front-Medium (30-60)	2038.4	N.A.	25.6
FH - Front-High (60-80)	662.6	N.A.	8.3
FVH - Front-Very High (80-90)	67.1	N.A.	0.8
BL - Back-Low (0-30)	1214.2	N.A.	15.2
BM - Back-Medium (30-60)	2038.4	N.A.	25.6
BH - Back-High (60-80)	662.6	N.A.	8.3
BVH - Back-Very High (80-90)	67.1	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	7964.6	N.A.	100.0
BUG Rating	B3-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	3151	3151	3151	3151	3151
2.5	3160	3157	3155	3156	3158
5.0	3155	3152	3150	3151	3153
7.5	3141	3137	3135	3136	3139
10.0	3118	3112	3112	3113	3116
12.5	3081	3078	3078	3080	3082
15.0	3037	3035	3035	3038	3040
17.5	2984	2982	2981	2984	2988
20.0	2921	2919	2919	2921	2923
22.5	2849	2848	2848	2849	2852
25.0	2768	2767	2767	2767	2771
27.5	2676	2676	2678	2677	2676
30.0	2574	2575	2577	2576	2574
32.5	2462	2464	2464	2465	2463
35.0	2343	2345	2346	2344	2345
37.5	2219	2219	2222	2222	2222
40.0	2093	2091	2097	2097	2098
42.5	1960	1961	1971	1972	1971
45.0	1826	1831	1842	1845	1845
47.5	1699	1705	1712	1715	1711
50.0	1573	1579	1587	1589	1585
52.5	1447	1454	1462	1461	1459
55.0	1324	1331	1339	1334	1335
57.5	1204	1211	1216	1211	1208
60.0	1087	1093	1095	1093	1090
62.5	972	975	980	978	975
65.0	854	857	867	865	862
67.5	741	746	755	755	752
70.0	636	641	646	646	647
72.5	534	539	543	541	539
75.0	438	441	445	441	436
77.5	347	350	351	348	345
80.0	262	265	266	263	260
82.5	183	185	187	186	184
85.0	116	116	118	119	117
87.5	56	58	60	59	59
90.0	0	0	0	0	0

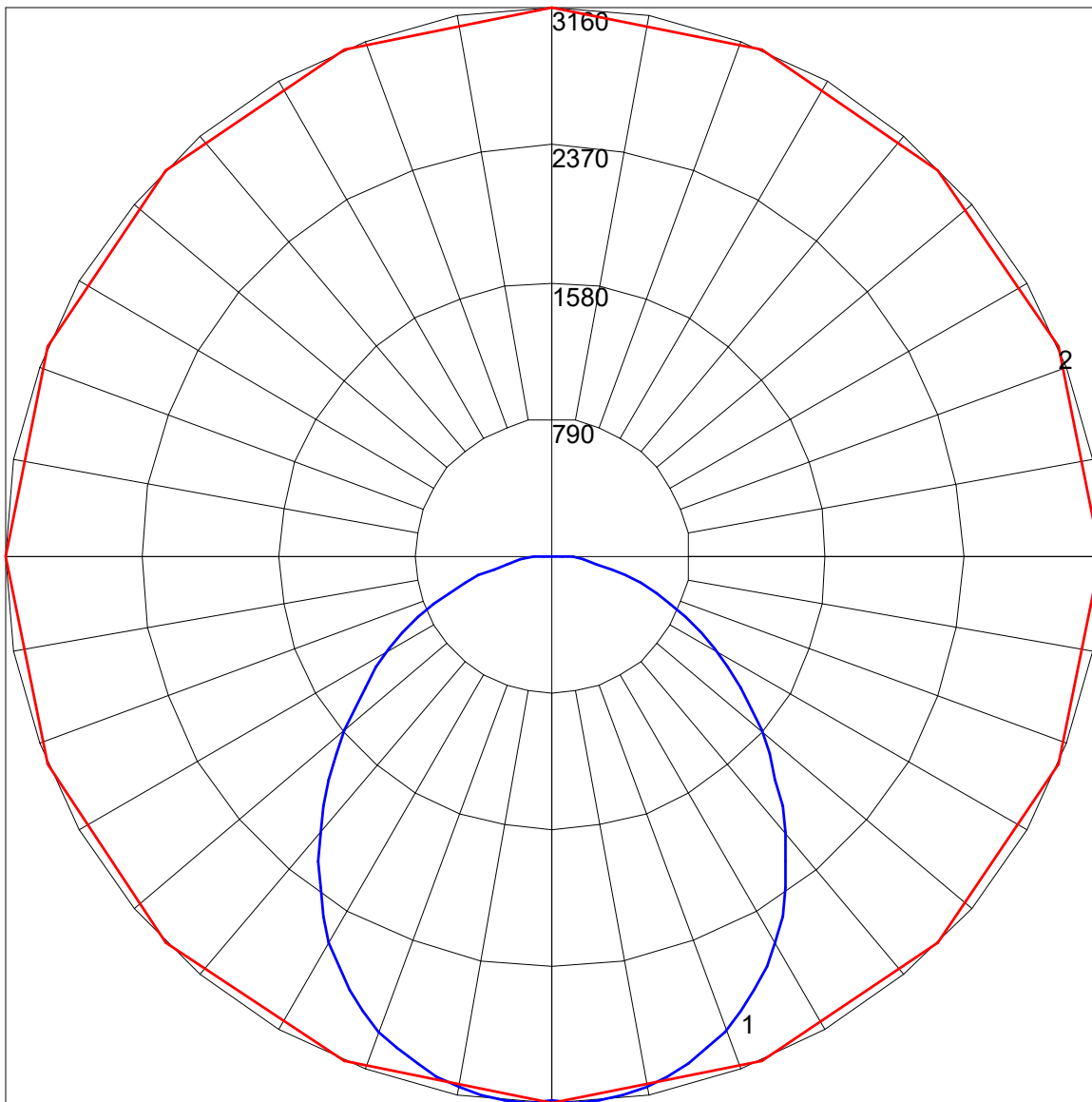
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

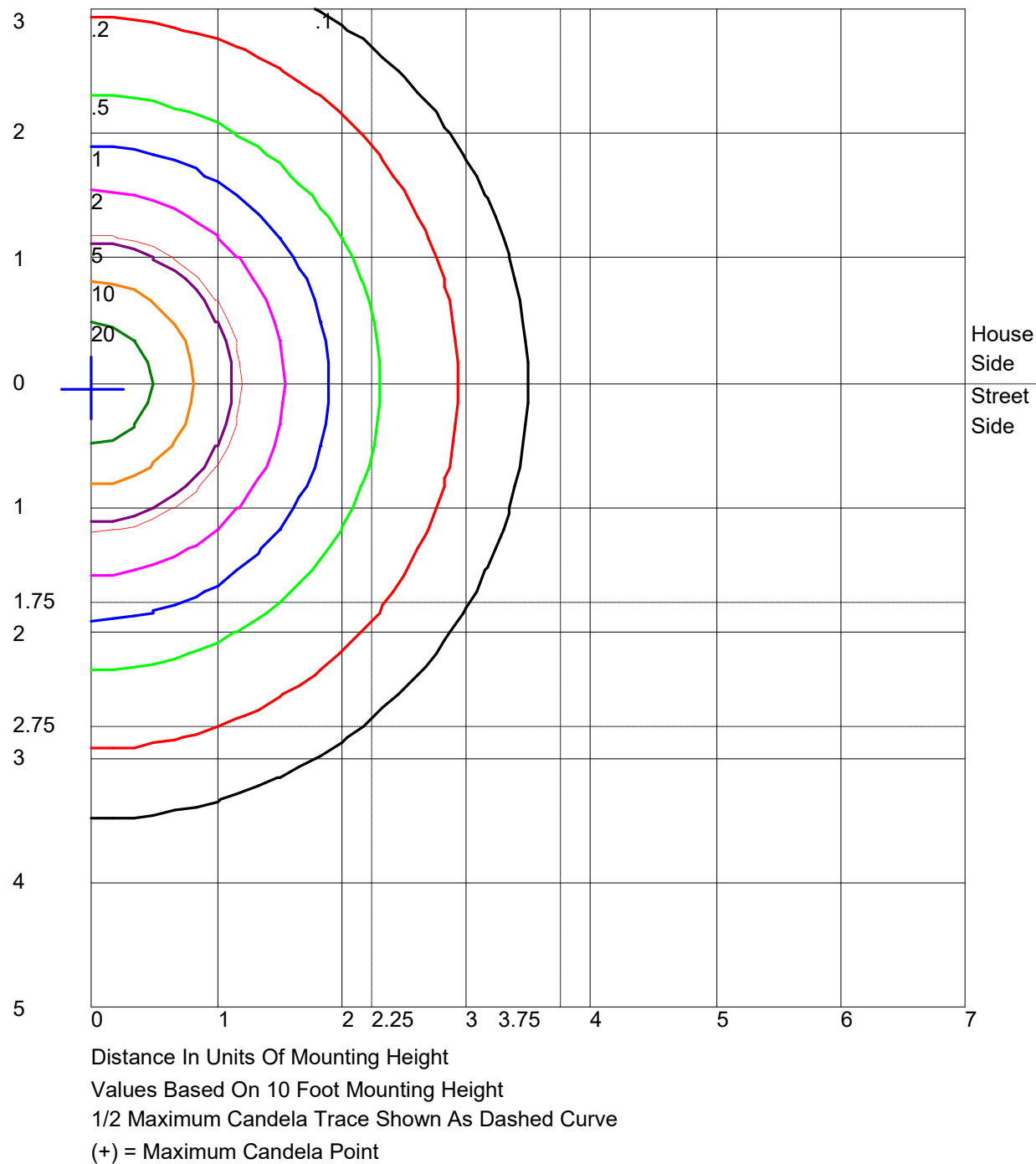
	Lumens	Percent Of Luminaire
Downward Street Side	3982.3	50.0
Downward House Side	3982.3	50.0
Downward Total	7964.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7964.6	100.0

POLAR GRAPH

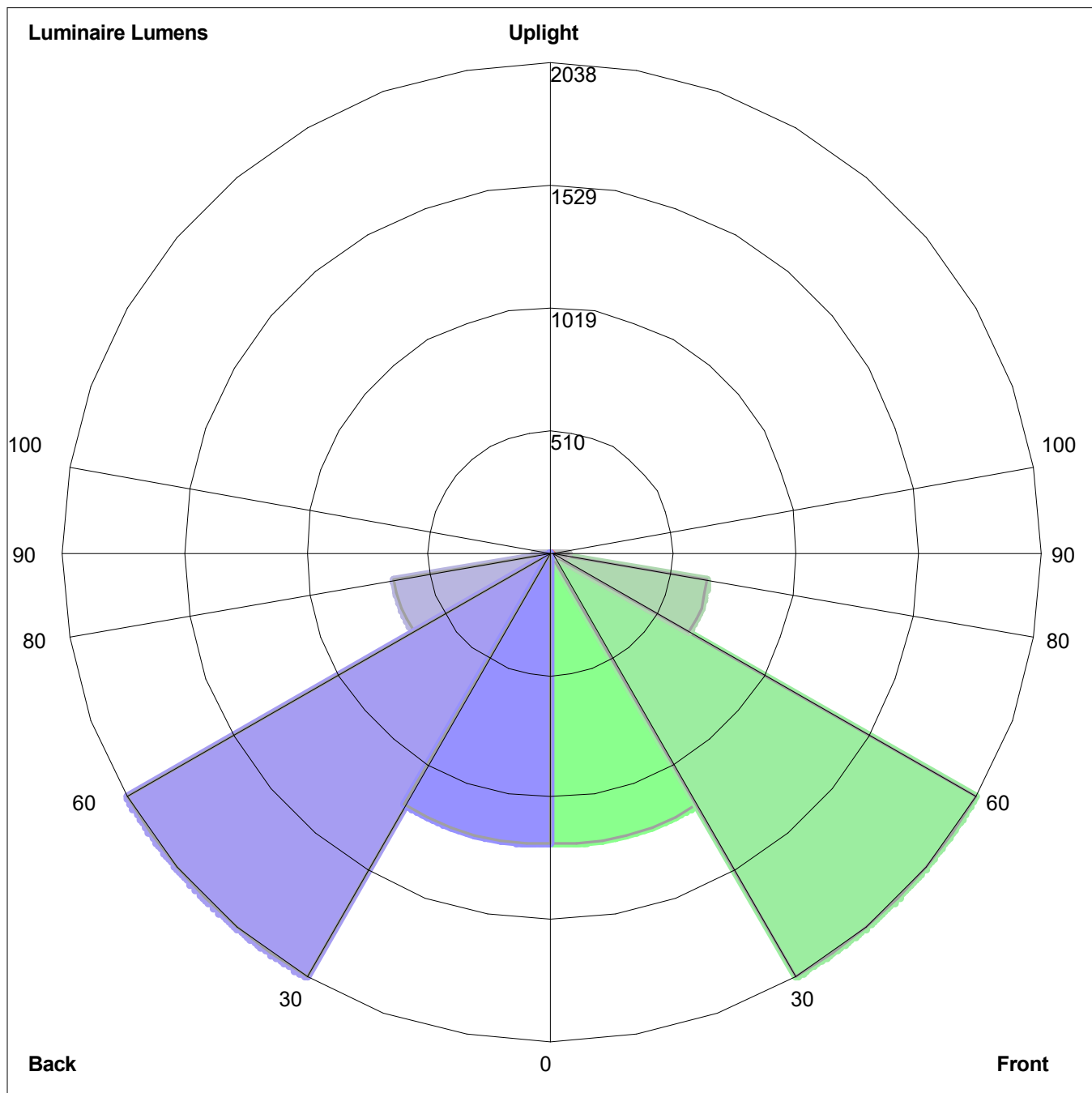


Maximum Candela = 3160 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1214.2, Medium=2038.4, High=662.6, Very High=67.1  
Back: Low=1214.2, Medium=2038.4, High=662.6, Very High=67.1  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1