



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-12L-27-CGG6-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12003  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 7/31/2020  
[TEST DATE] 07/14/20  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] FAL-716-12L-27-CGG6-GWT  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor  
[SEARCH\_APPLICATION] Outdoor

**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1116
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	1371
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1371
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	16 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	49 (4.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	165.1	N.A.	14.8
FM - Front-Medium (30-60)	313.4	N.A.	28.1
FH - Front-High (60-80)	37.5	N.A.	3.4
FVH - Front-Very High (80-90)	17.5	N.A.	1.6
BL - Back-Low (0-30)	165.1	N.A.	14.8
BM - Back-Medium (30-60)	313.4	N.A.	28.1
BH - Back-High (60-80)	37.5	N.A.	3.4
BVH - Back-Very High (80-90)	17.5	N.A.	1.6
UL - Uplight-Low (90-100)	13.8	N.A.	1.2
UH - Uplight-High (100-180)	35.2	N.A.	3.2
Total	1116.0	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

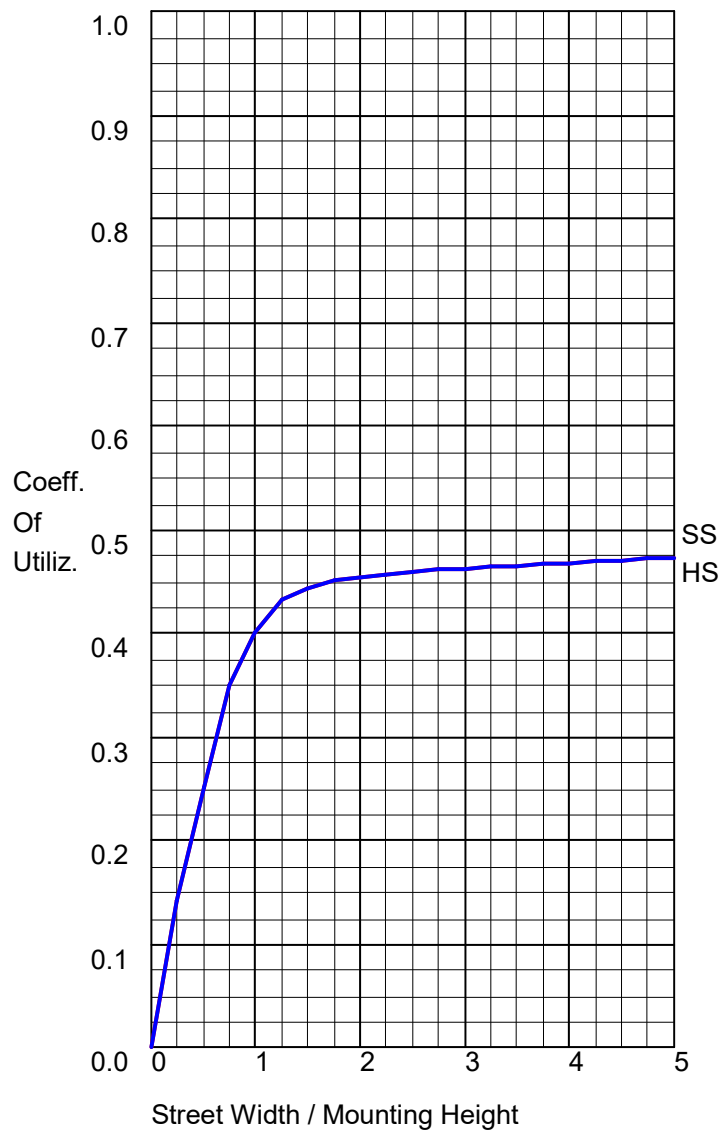
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1371	1371	1371	1371	1371
2.5	1350	1337	1336	1327	1304
5.0	1163	1085	971	838	828
7.5	792	715	685	715	713
10.0	466	455	434	461	467
12.5	191	204	195	207	205
15.0	164	160	165	188	192
17.5	182	173	177	205	196
20.0	201	188	173	175	177
22.5	260	249	251	268	249
25.0	403	384	424	465	369
27.5	582	558	573	618	449
30.0	618	571	537	579	470
32.5	443	450	420	459	378
35.0	397	395	377	405	330
37.5	380	371	364	380	322
40.0	361	364	359	373	319
42.5	354	356	361	367	317
45.0	342	348	356	360	317
47.5	318	328	330	340	295
50.0	281	284	279	289	253
52.5	196	200	191	195	172
55.0	105	106	97	98	96
57.5	50	48	47	50	51
60.0	39	39	39	41	41
62.5	37	37	37	38	37
65.0	35	36	35	36	36
67.5	35	37	35	34	34
70.0	33	35	36	36	37
72.5	32	33	32	32	34
75.0	34	35	34	34	37
77.5	42	44	39	39	38
80.0	49	49	41	40	40
82.5	44	44	45	40	39
85.0	29	30	38	40	39
87.5	18	18	21	24	30
90.0	13	13	13	13	16
92.5	13	13	13	13	13
95.0	13	13	12	12	13
97.5	12	12	12	12	13
100.0	13	13	12	12	13
102.5	12	12	12	12	12
105.0	11	10	10	10	11
107.5	9	9	9	9	9
110.0	7	7	7	7	7
112.5	6	6	6	7	7
115.0	6	6	6	6	7
117.5	6	6	6	6	6
120.0	6	6	6	6	6
122.5	6	6	6	6	6
125.0	6	6	6	6	6
127.5	6	6	6	6	6
130.0	6	6	6	6	6

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**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	6	6	6	6	6
<b>135.0</b>	6	6	6	6	6
<b>137.5</b>	6	6	6	6	6
<b>140.0</b>	6	6	6	6	6
<b>142.5</b>	6	6	6	6	6
<b>145.0</b>	6	6	6	6	6
<b>147.5</b>	6	6	6	6	6
<b>150.0</b>	6	6	6	6	6
<b>152.5</b>	6	6	6	6	6
<b>155.0</b>	5	6	6	6	5
<b>157.5</b>	5	5	5	5	5
<b>160.0</b>	5	5	5	5	5
<b>162.5</b>	5	5	5	5	5
<b>165.0</b>	5	5	5	5	5
<b>167.5</b>	4	5	5	5	5
<b>170.0</b>	4	4	4	4	4
<b>172.5</b>	4	4	4	4	4
<b>175.0</b>	3	3	3	4	4
<b>177.5</b>	3	3	3	4	4
<b>180.0</b>	3	3	3	3	3

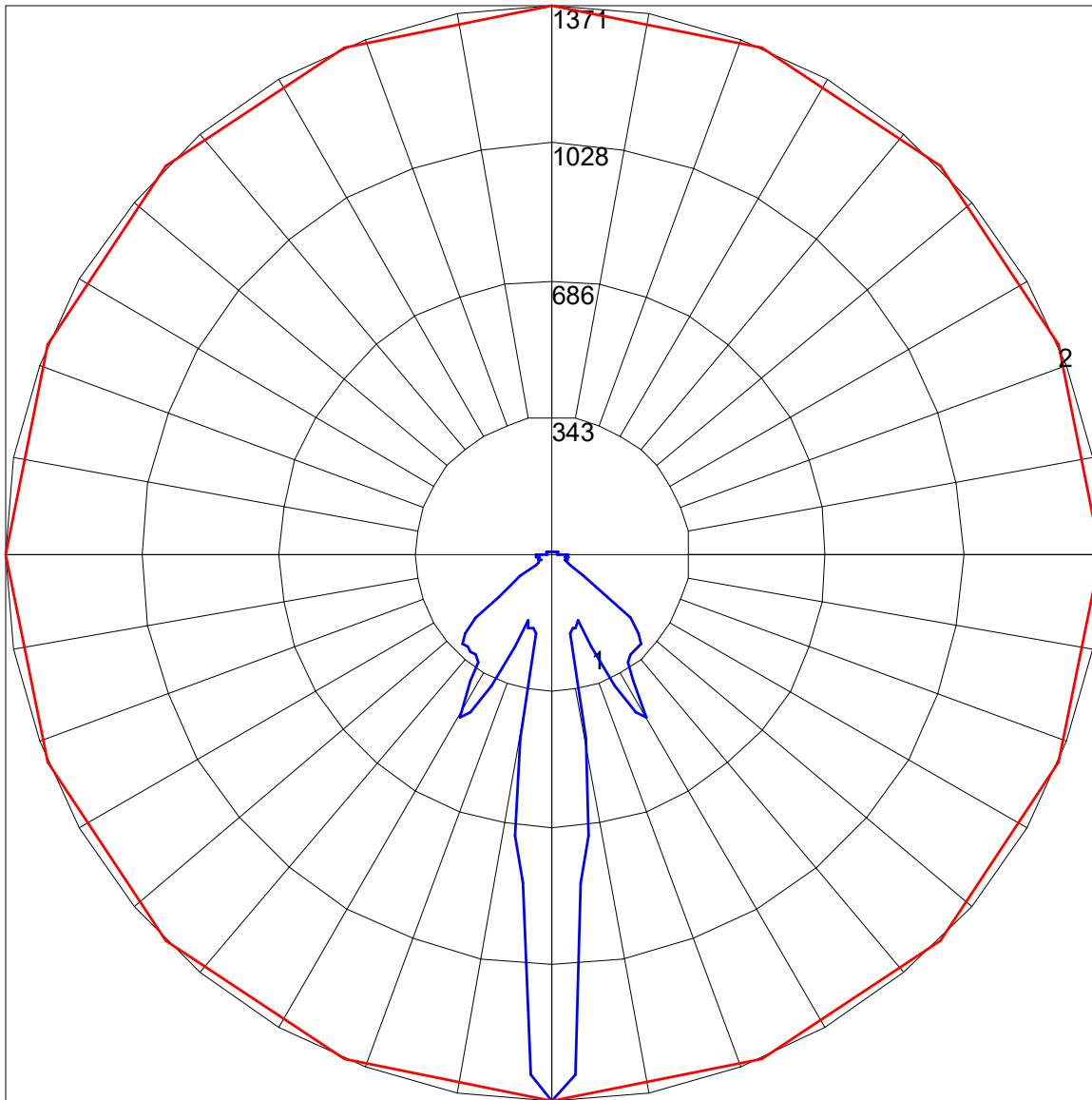
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

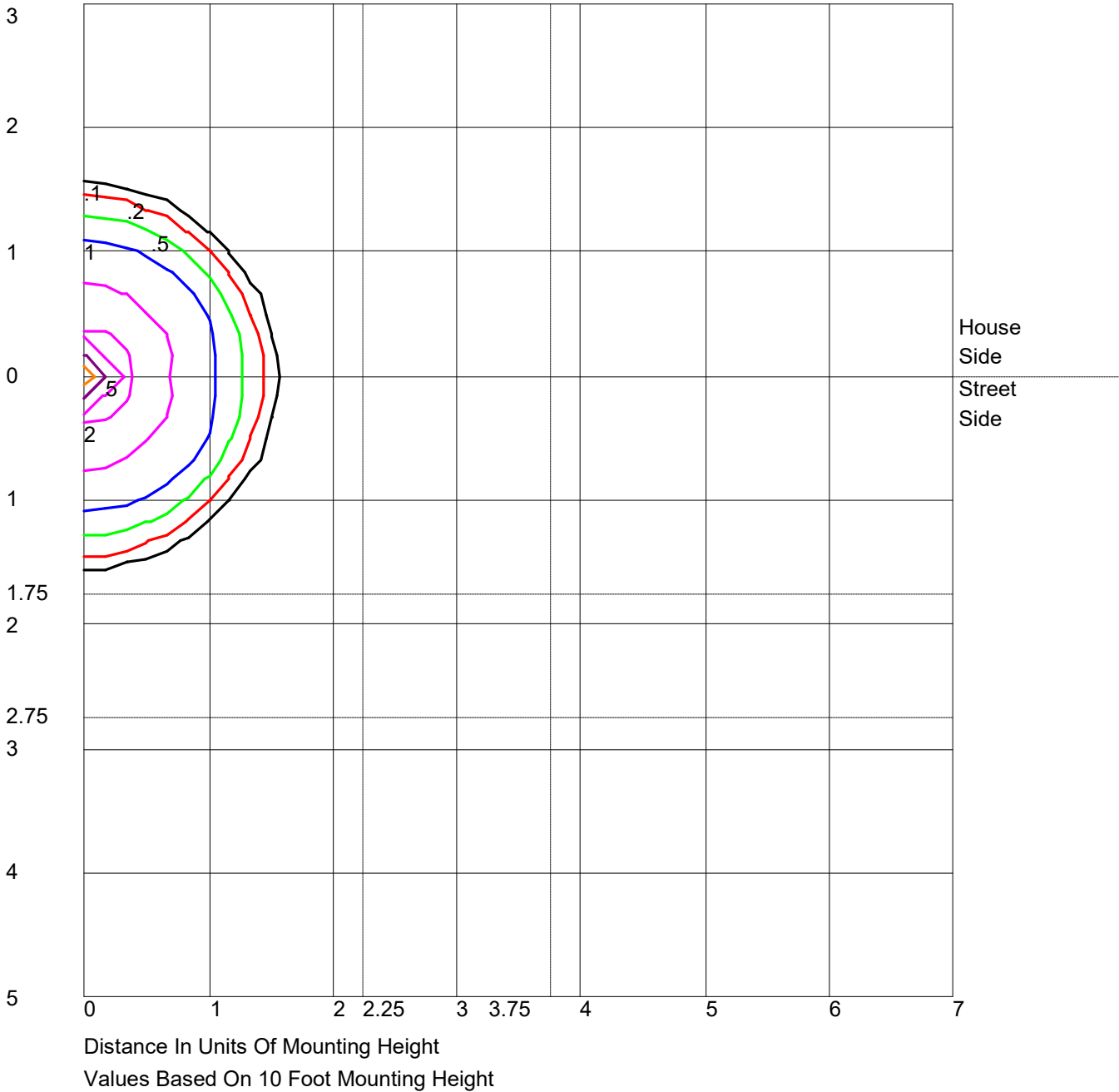
	Lumens	Percent Of Luminaire
Downward Street Side	533.6	47.8
Downward House Side	533.6	47.8
Downward Total	1067.2	95.6
Upward Street Side	24.5	2.2
Upward House Side	24.5	2.2
Upward Total	49.0	4.4
Total Flux	1116.2	100.0

POLAR GRAPH



Maximum Candela = 1371 Located At Horizontal Angle = 90, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



# PHOTO IES R

