



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-12L-50-CGG6-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12003  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 4/19/2021  
[TEST DATE] 07/14/20  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] FAL-716-12L-50-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  
[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	1105
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	1356
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1356
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	48 (4.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	163.4	N.A.	14.8
FM - Front-Medium (30-60)	309.9	N.A.	28.0
FH - Front-High (60-80)	37.5	N.A.	3.4
FVH - Front-Very High (80-90)	17.4	N.A.	1.6
BL - Back-Low (0-30)	163.4	N.A.	14.8
BM - Back-Medium (30-60)	309.9	N.A.	28.0
BH - Back-High (60-80)	37.5	N.A.	3.4
BVH - Back-Very High (80-90)	17.4	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	1105.4	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

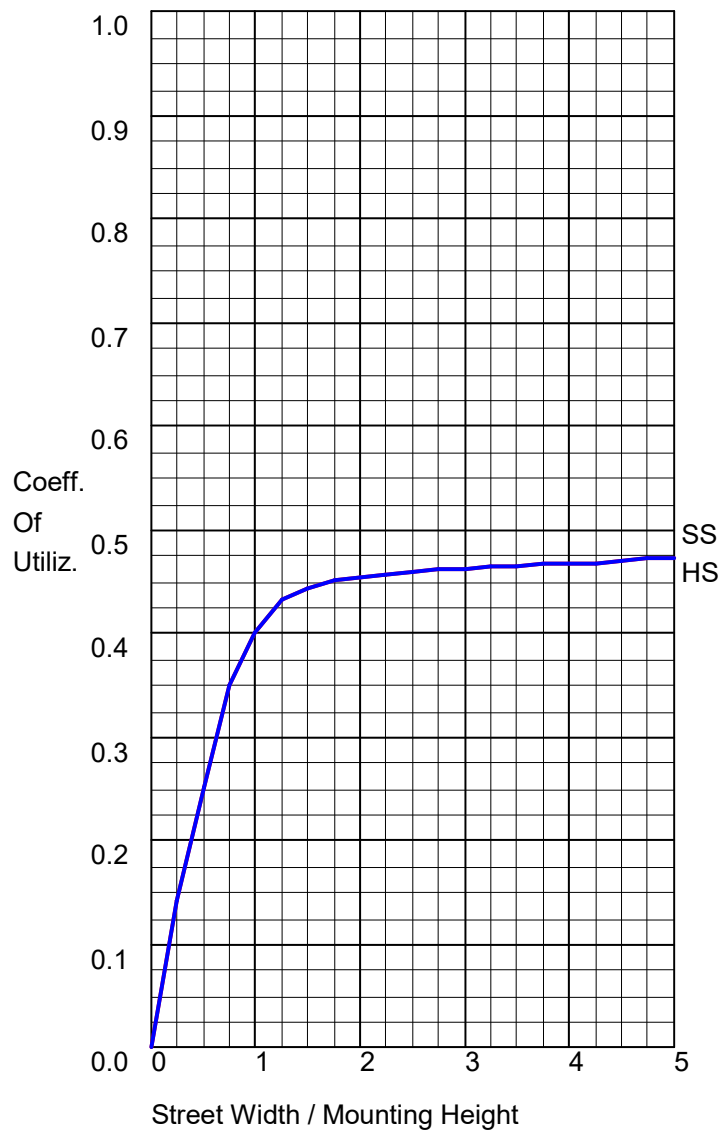
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1356	1356	1356	1356	1356
2.5	1335	1322	1321	1313	1290
5.0	1150	1073	961	829	819
7.5	784	708	678	708	706
10.0	461	450	429	456	462
12.5	189	202	193	205	203
15.0	162	158	163	186	190
17.5	180	171	175	203	194
20.0	199	186	171	173	175
22.5	257	246	248	265	246
25.0	398	380	419	460	365
27.5	576	552	567	612	444
30.0	612	565	531	573	465
32.5	438	445	415	454	374
35.0	392	390	373	400	326
37.5	376	367	360	376	318
40.0	357	360	355	369	315
42.5	350	352	357	363	313
45.0	338	344	352	356	313
47.5	314	324	326	336	292
50.0	278	281	276	286	250
52.5	194	198	189	193	170
55.0	104	105	96	97	95
57.5	49	47	46	49	50
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	43	39	39	38
80.0	48	48	41	40	40
82.5	43	43	44	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

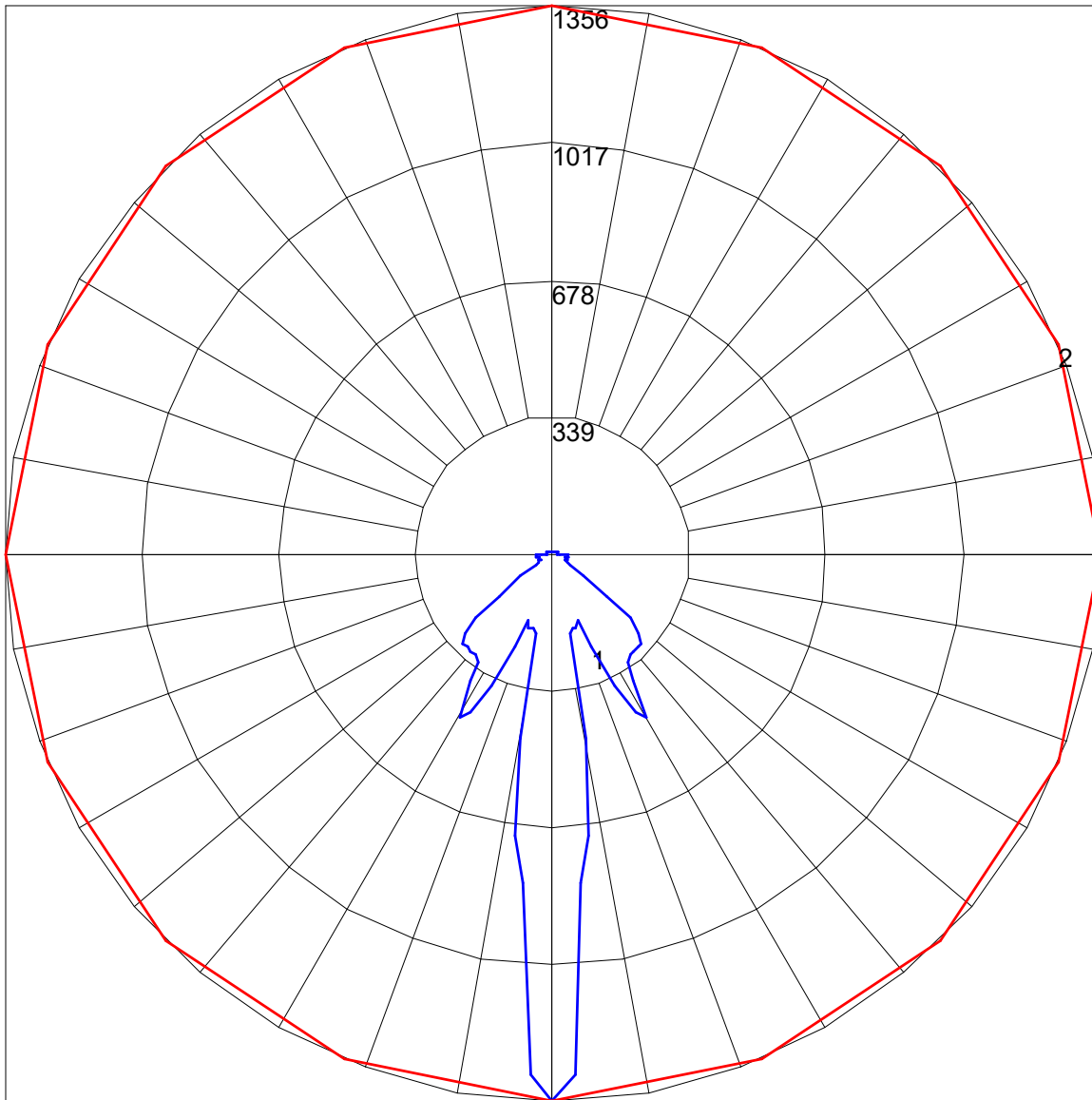
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

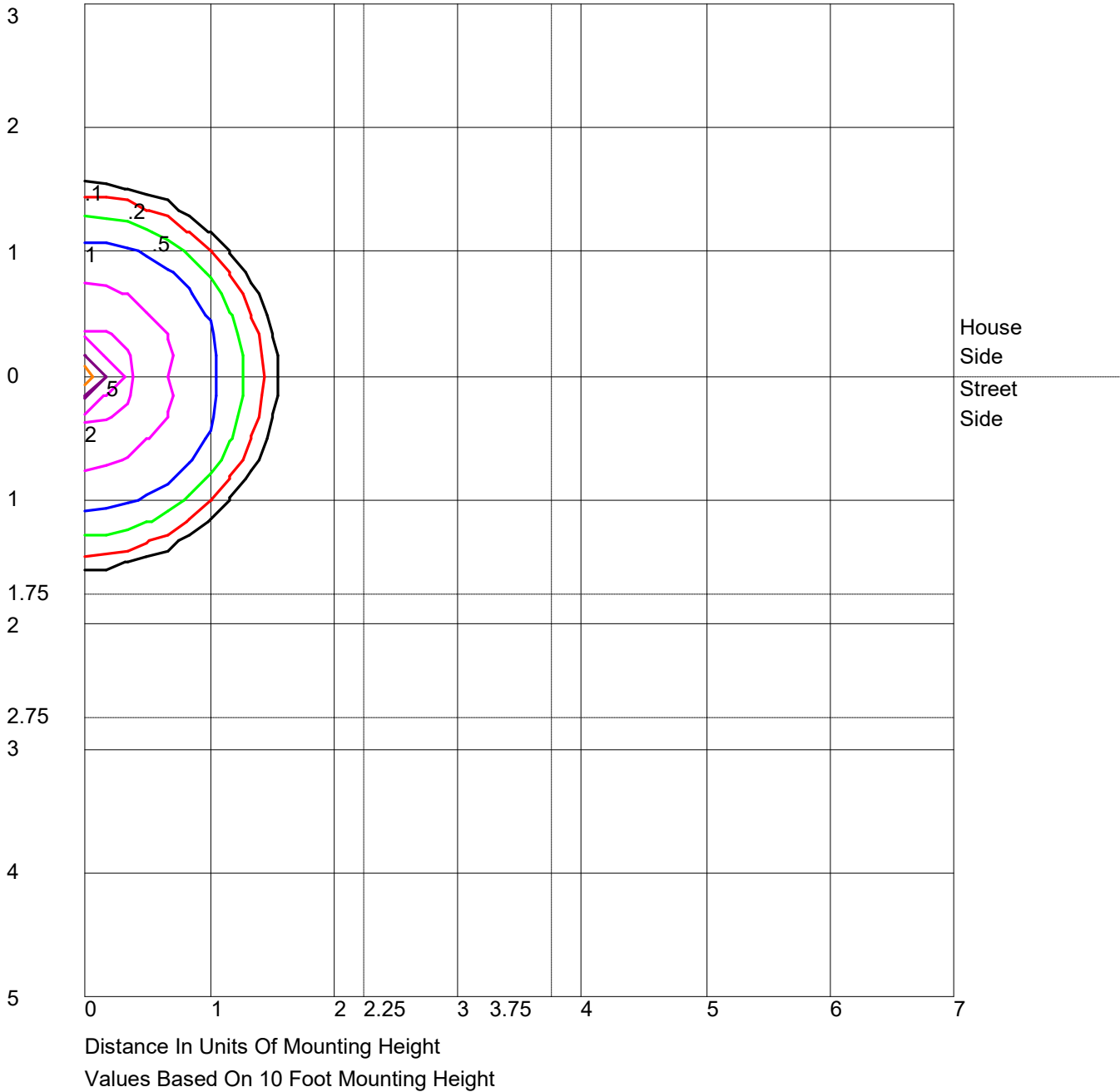
	Lumens	Percent Of Luminaire
Downward Street Side	528.1	47.8
Downward House Side	528.1	47.8
Downward Total	1056.2	95.6
Upward Street Side	24.5	2.2
Upward House Side	24.5	2.2
Upward Total	49.0	4.4
Total Flux	1105.2	100.0

POLAR GRAPH



Maximum Candela = 1356 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

