



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-15L-40-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-716-15L-40-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	1336
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	10.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	1638
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1638
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	19 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	58 (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)	197.4	N.A.	14.8
FM - Front-Medium (30-60)	374.7	N.A.	28.1
FH - Front-High (60-80)	45.4	N.A.	3.4
FVH - Front-Very High (80-90)	21.0	N.A.	1.6
BL - Back-Low (0-30)	197.4	N.A.	14.8
BM - Back-Medium (30-60)	374.7	N.A.	28.1
BH - Back-High (60-80)	45.4	N.A.	3.4
BVH - Back-Very High (80-90)	21.0	N.A.	1.6
UL - Uplight-Low (90-100)	17.1	N.A.	1.3
UH - Uplight-High (100-180)	41.7	N.A.	3.1
Total	1335.8	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

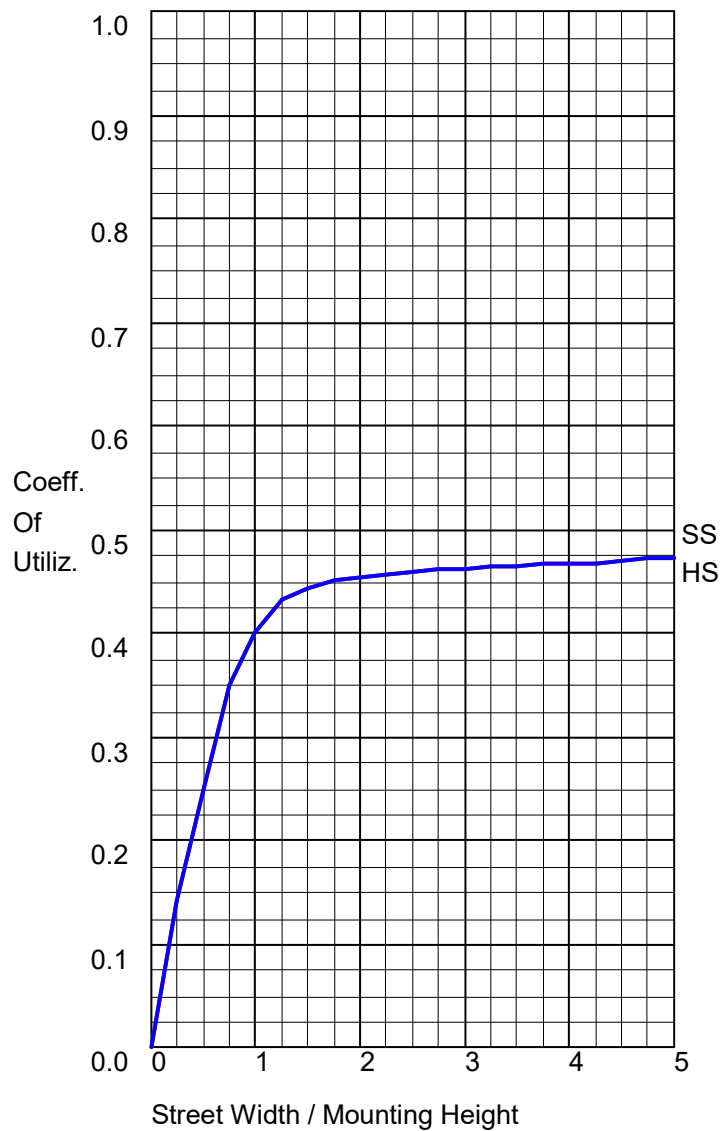
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1638	1638	1638	1638	1638
2.5	1613	1597	1596	1586	1558
5.0	1389	1296	1161	1001	989
7.5	947	855	819	855	852
10.0	557	544	519	551	559
12.5	229	244	233	248	245
15.0	196	191	197	225	230
17.5	218	207	212	245	235
20.0	241	225	207	209	212
22.5	311	297	300	320	297
25.0	481	459	507	556	441
27.5	695	667	684	739	537
30.0	739	682	642	692	562
32.5	530	538	502	549	452
35.0	474	472	451	484	394
37.5	455	444	435	455	384
40.0	432	435	429	446	381
42.5	423	426	432	439	378
45.0	409	416	426	430	378
47.5	380	392	394	406	353
50.0	336	340	334	346	302
52.5	235	239	229	233	206
55.0	126	127	116	117	115
57.5	59	57	56	59	60
60.0	47	47	47	50	50
62.5	45	45	45	46	45
65.0	42	44	42	44	44
67.5	42	45	42	41	41
70.0	40	42	44	44	45
72.5	39	40	39	39	41
75.0	41	42	41	41	45
77.5	51	52	47	47	46
80.0	58	58	50	48	48
82.5	52	52	53	48	47
85.0	35	36	46	48	47
87.5	22	22	25	29	36
90.0	16	16	16	16	19
92.5	16	16	16	16	16
95.0	16	16	15	15	16
97.5	15	15	15	15	16
100.0	16	16	15	15	16
102.5	15	15	15	15	15
105.0	13	12	12	12	13
107.5	11	11	11	11	11
110.0	8	8	8	8	8
112.5	7	7	7	8	8
115.0	7	7	7	7	8
117.5	7	7	7	7	7
120.0	7	7	7	7	7
122.5	7	7	7	7	7
125.0	7	7	7	7	7
127.5	7	7	7	7	7
130.0	7	7	7	7	7

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**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	7	7	7	7	7
<b>135.0</b>	7	7	7	7	7
<b>137.5</b>	7	7	7	7	7
<b>140.0</b>	7	7	7	7	7
<b>142.5</b>	7	7	7	7	7
<b>145.0</b>	7	7	7	7	7
<b>147.5</b>	7	7	7	7	7
<b>150.0</b>	7	7	7	7	7
<b>152.5</b>	7	7	7	7	7
<b>155.0</b>	6	7	7	7	6
<b>157.5</b>	6	6	6	6	6
<b>160.0</b>	6	6	6	6	6
<b>162.5</b>	6	6	6	6	6
<b>165.0</b>	6	6	6	6	6
<b>167.5</b>	5	6	6	6	6
<b>170.0</b>	5	5	5	5	5
<b>172.5</b>	5	5	5	5	5
<b>175.0</b>	4	4	4	5	5
<b>177.5</b>	4	4	4	5	5
<b>180.0</b>	4	4	4	4	4

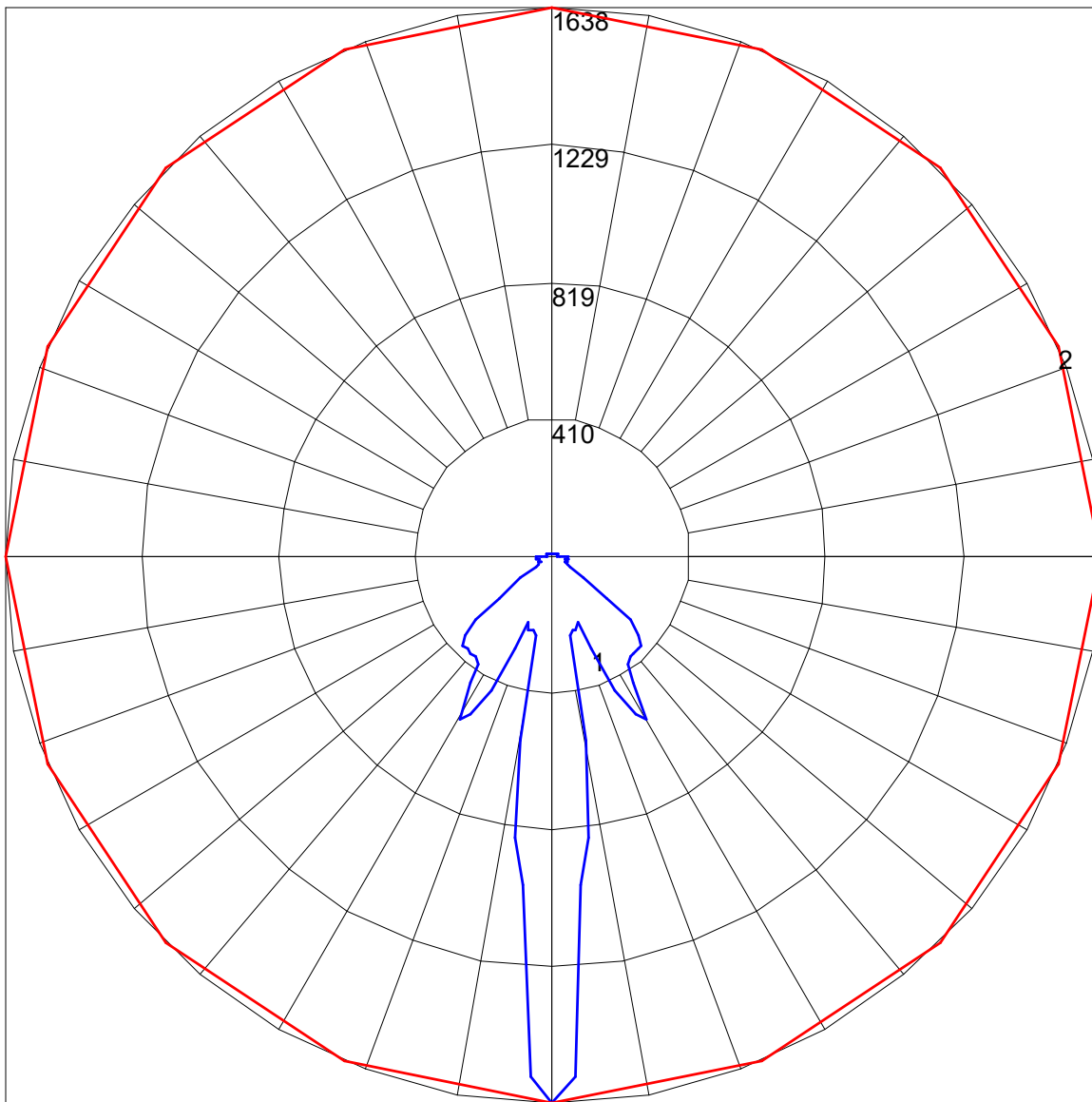
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

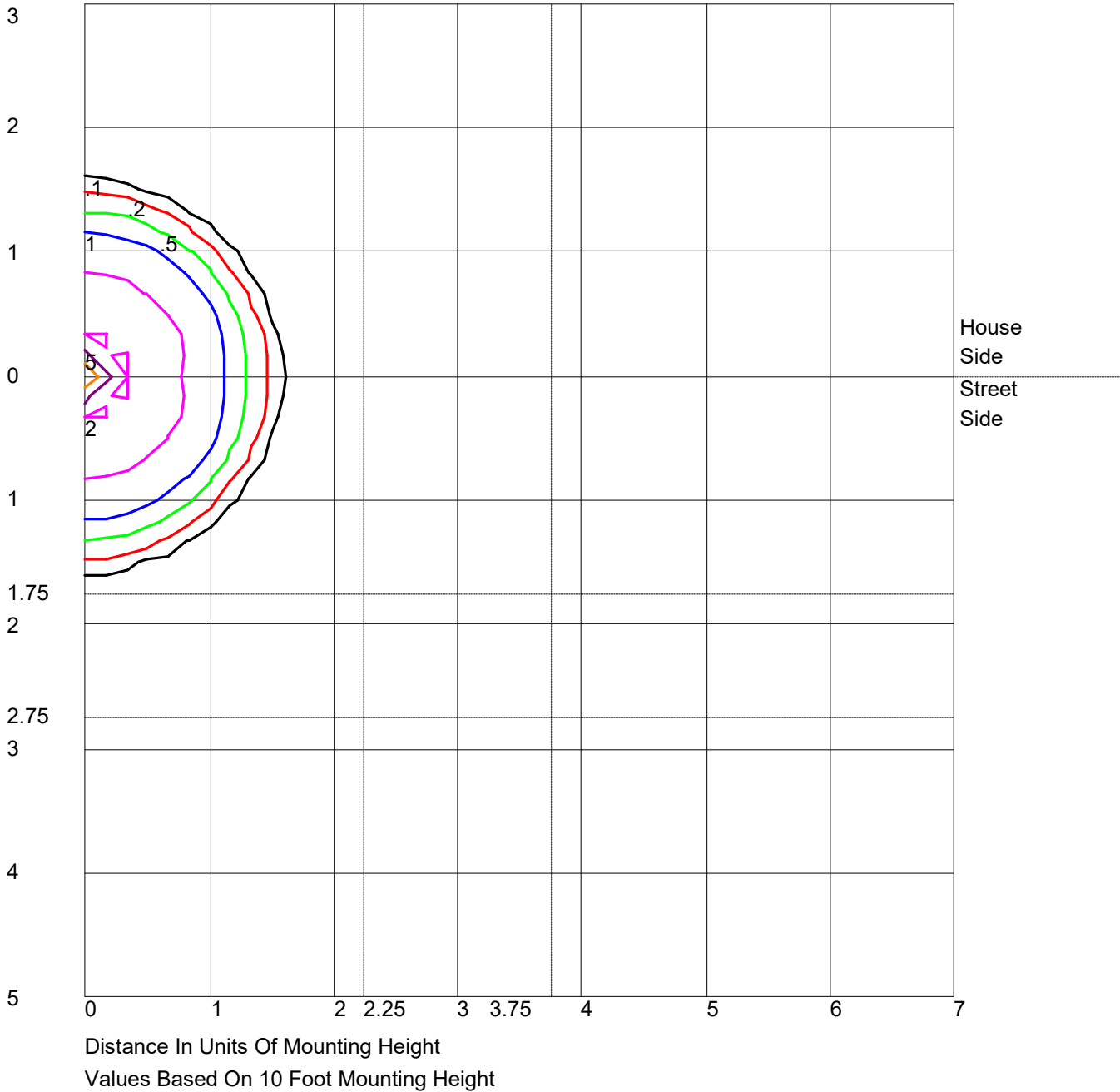
	Lumens	Percent Of Luminaire
Downward Street Side	638.4	47.8
Downward House Side	638.4	47.8
Downward Total	1276.8	95.6
Upward Street Side	29.4	2.2
Upward House Side	29.4	2.2
Upward Total	58.8	4.4
Total Flux	1335.6	100.0

POLAR GRAPH



Maximum Candela = 1638 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

