



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-12L-30-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-30-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	1245
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.05
Maximum Candela	1525
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1525
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	18 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	54 (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)	183.8	N.A.	14.8
FM - Front-Medium (30-60)	348.8	N.A.	28.0
FH - Front-High (60-80)	42.2	N.A.	3.4
FVH - Front-Very High (80-90)	19.6	N.A.	1.6
BL - Back-Low (0-30)	183.8	N.A.	14.8
BM - Back-Medium (30-60)	348.8	N.A.	28.0
BH - Back-High (60-80)	42.2	N.A.	3.4
BVH - Back-Very High (80-90)	19.6	N.A.	1.6
UL - Uplight-Low (90-100)	16.0	N.A.	1.3
UH - Uplight-High (100-180)	40.8	N.A.	3.3
Total	1245.6	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

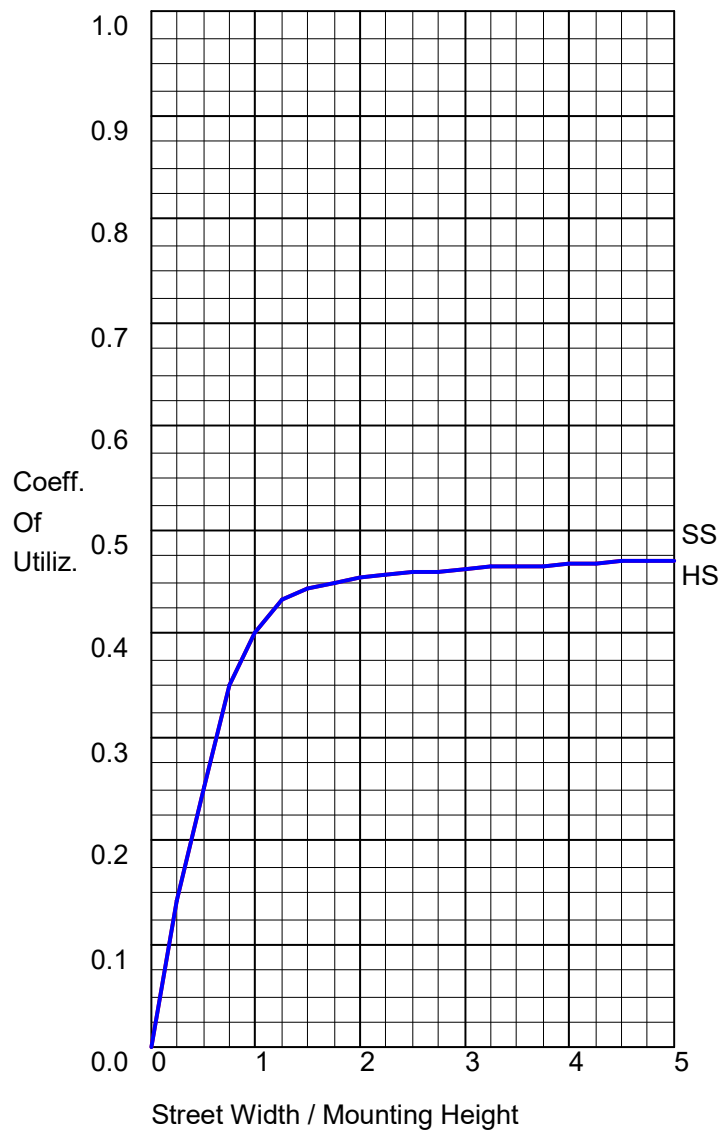
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1525	1525	1525	1525	1525
2.5	1502	1487	1486	1477	1451
5.0	1294	1207	1081	932	921
7.5	881	796	762	796	794
10.0	519	507	483	513	520
12.5	213	227	217	231	229
15.0	182	178	184	209	214
17.5	203	193	197	229	218
20.0	224	209	193	195	197
22.5	289	277	279	298	277
25.0	448	428	472	518	411
27.5	647	621	637	688	500
30.0	688	635	598	644	523
32.5	493	501	467	511	421
35.0	441	439	420	450	367
37.5	423	413	405	423	358
40.0	402	405	400	415	355
42.5	394	396	402	409	352
45.0	381	387	396	401	352
47.5	353	365	367	378	329
50.0	313	316	311	322	281
52.5	218	223	213	217	191
55.0	117	118	108	109	107
57.5	55	53	52	55	56
60.0	44	44	44	46	46
62.5	42	42	42	43	42
65.0	39	41	39	41	41
67.5	39	42	39	38	38
70.0	37	39	41	41	42
72.5	36	37	36	36	38
75.0	38	39	38	38	42
77.5	47	48	44	44	43
80.0	54	54	46	45	45
82.5	48	48	50	45	44
85.0	33	34	43	45	44
87.5	20	20	24	27	34
90.0	15	15	15	15	18
92.5	15	15	15	15	15
95.0	15	15	14	14	15
97.5	14	14	14	14	15
100.0	15	15	14	14	15
102.5	14	14	14	14	14
105.0	12	11	11	11	12
107.5	10	10	10	10	10
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>	3	3	3	5	5
<b>177.5</b>	3	3	3	5	5
<b>180.0</b>	3	3	3	3	3

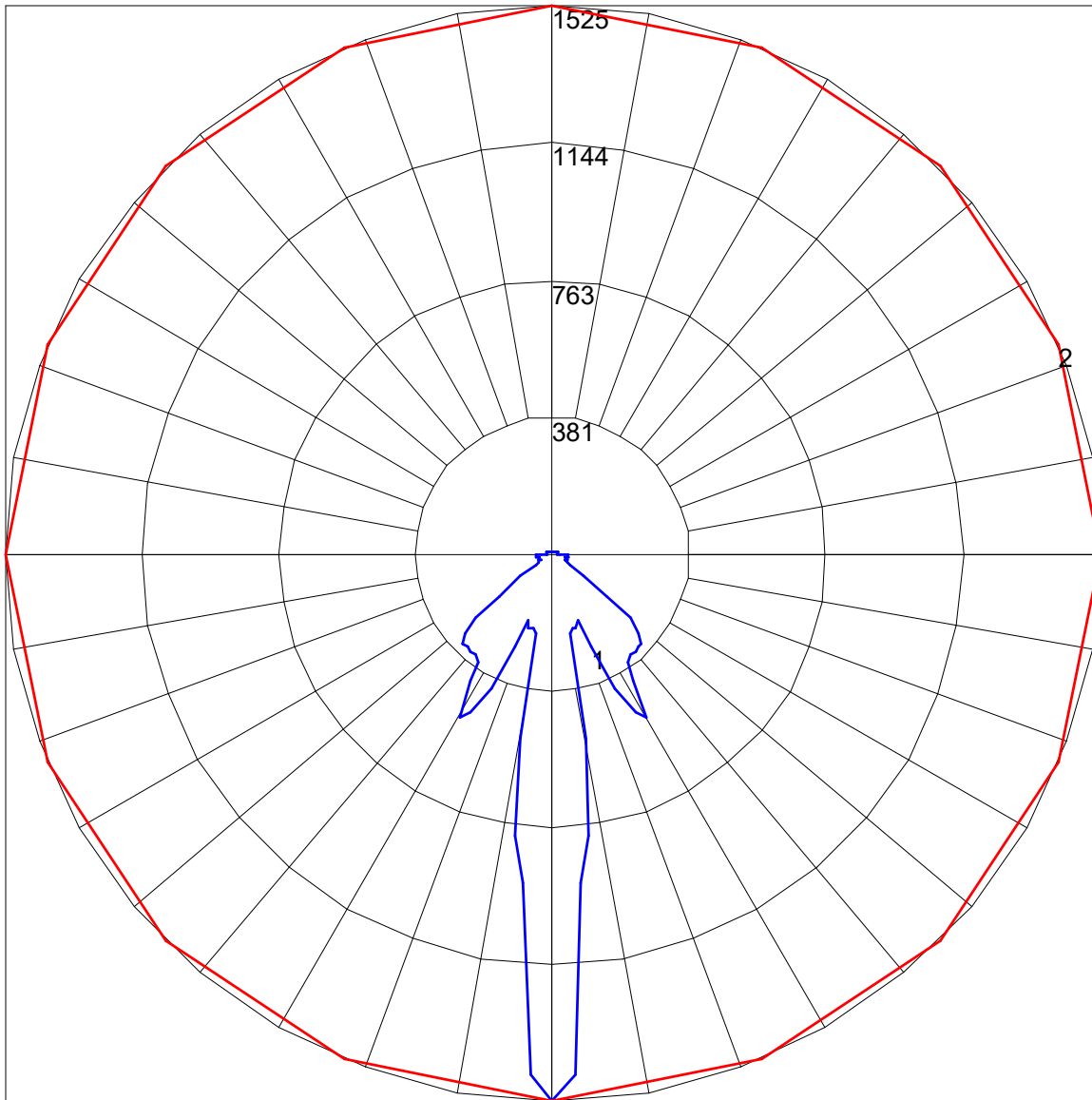
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

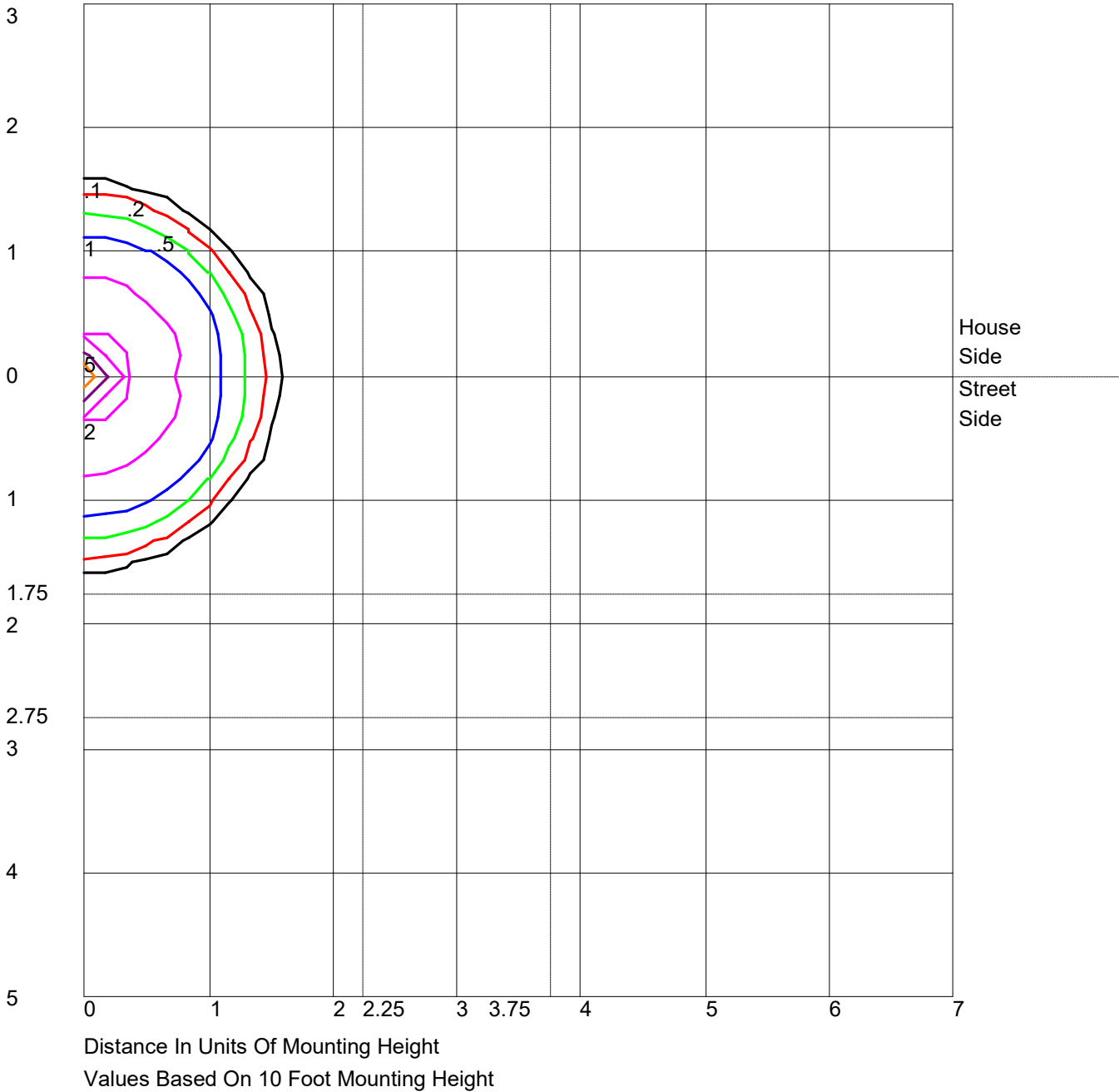
	Lumens	Percent Of Luminaire
Downward Street Side	594.4	47.7
Downward House Side	594.4	47.7
Downward Total	1188.8	95.5
Upward Street Side	28.4	2.3
Upward House Side	28.4	2.3
Upward Total	56.8	4.6
Total Flux	1245.6	100.0

POLAR GRAPH



Maximum Candela = 1525 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

