



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-17L-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-716-17L-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	1699
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	2085
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2085
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	25 (1.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	74 (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)	251.2	N.A.	14.8
FM - Front-Medium (30-60)	476.7	N.A.	28.1
FH - Front-High (60-80)	57.6	N.A.	3.4
FVH - Front-Very High (80-90)	26.8	N.A.	1.6
BL - Back-Low (0-30)	251.2	N.A.	14.8
BM - Back-Medium (30-60)	476.7	N.A.	28.1
BH - Back-High (60-80)	57.6	N.A.	3.4
BVH - Back-Very High (80-90)	26.8	N.A.	1.6
UL - Uplight-Low (90-100)	21.0	N.A.	1.2
UH - Uplight-High (100-180)	53.4	N.A.	3.1
Total	1699.0	N.A.	100.0
BUG Rating	B1-U3-G1		

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**CANDELA TABULATION**

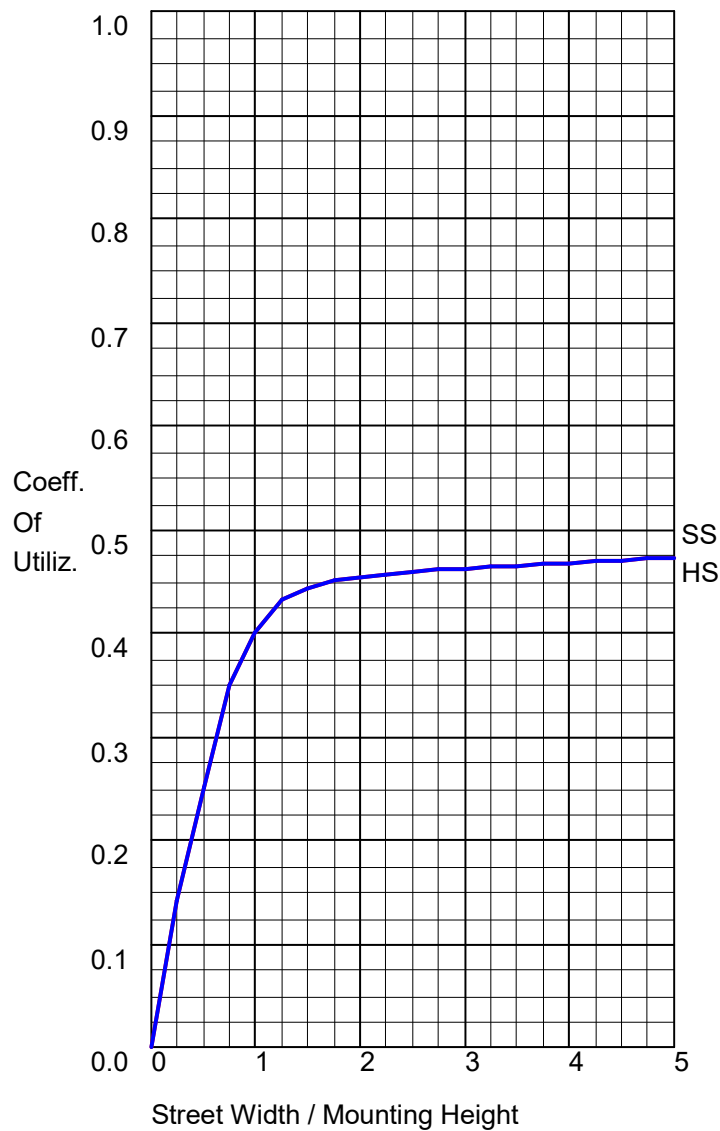
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2085	2085	2085	2085	2085
2.5	2052	2032	2031	2018	1983
5.0	1768	1649	1477	1274	1258
7.5	1205	1088	1042	1088	1085
10.0	709	692	660	702	711
12.5	291	311	297	315	312
15.0	249	243	251	286	292
17.5	277	263	269	312	298
20.0	306	286	263	266	269
22.5	395	378	382	408	378
25.0	612	585	645	708	562
27.5	885	849	871	940	683
30.0	940	868	817	880	715
32.5	674	685	638	698	575
35.0	603	600	574	615	502
37.5	578	565	554	578	489
40.0	549	554	546	568	485
42.5	538	542	549	558	482
45.0	520	529	542	548	482
47.5	483	498	502	517	449
50.0	428	432	425	440	385
52.5	298	305	291	297	262
55.0	160	162	148	149	146
57.5	75	72	71	75	77
60.0	60	60	60	63	63
62.5	57	57	57	58	57
65.0	54	55	54	55	55
67.5	54	57	54	52	52
70.0	51	54	55	55	57
72.5	49	51	49	49	52
75.0	52	54	52	52	57
77.5	65	66	60	60	58
80.0	74	74	63	62	62
82.5	66	66	68	62	60
85.0	45	46	58	62	60
87.5	28	28	32	37	46
90.0	20	20	20	20	25
92.5	20	20	20	20	20
95.0	20	20	18	18	20
97.5	18	18	18	18	20
100.0	20	20	18	18	20
102.5	18	18	18	18	18
105.0	17	15	15	15	17
107.5	14	14	14	14	14
110.0	11	11	11	11	11
112.5	9	9	9	11	11
115.0	9	9	9	9	11
117.5	9	9	9	9	9
120.0	9	9	9	9	9
122.5	9	9	9	9	9
125.0	9	9	9	9	9
127.5	9	9	9	9	9
130.0	9	9	9	9	9

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CANDELA TABULATION - (Cont.)

132.5	9	9	9	9	9
135.0	9	9	9	9	9
137.5	9	9	9	9	9
140.0	9	9	9	9	9
142.5	9	9	9	9	9
145.0	9	9	9	9	9
147.5	9	9	9	9	9
150.0	9	9	9	9	9
152.5	9	9	9	9	9
155.0	8	9	9	9	8
157.5	8	8	8	8	8
160.0	8	8	8	8	8
162.5	8	8	8	8	8
165.0	8	8	8	8	8
167.5	6	8	8	8	8
170.0	6	6	6	6	6
172.5	6	6	6	6	6
175.0	5	5	5	6	6
177.5	5	5	5	6	6
180.0	5	5	5	5	5

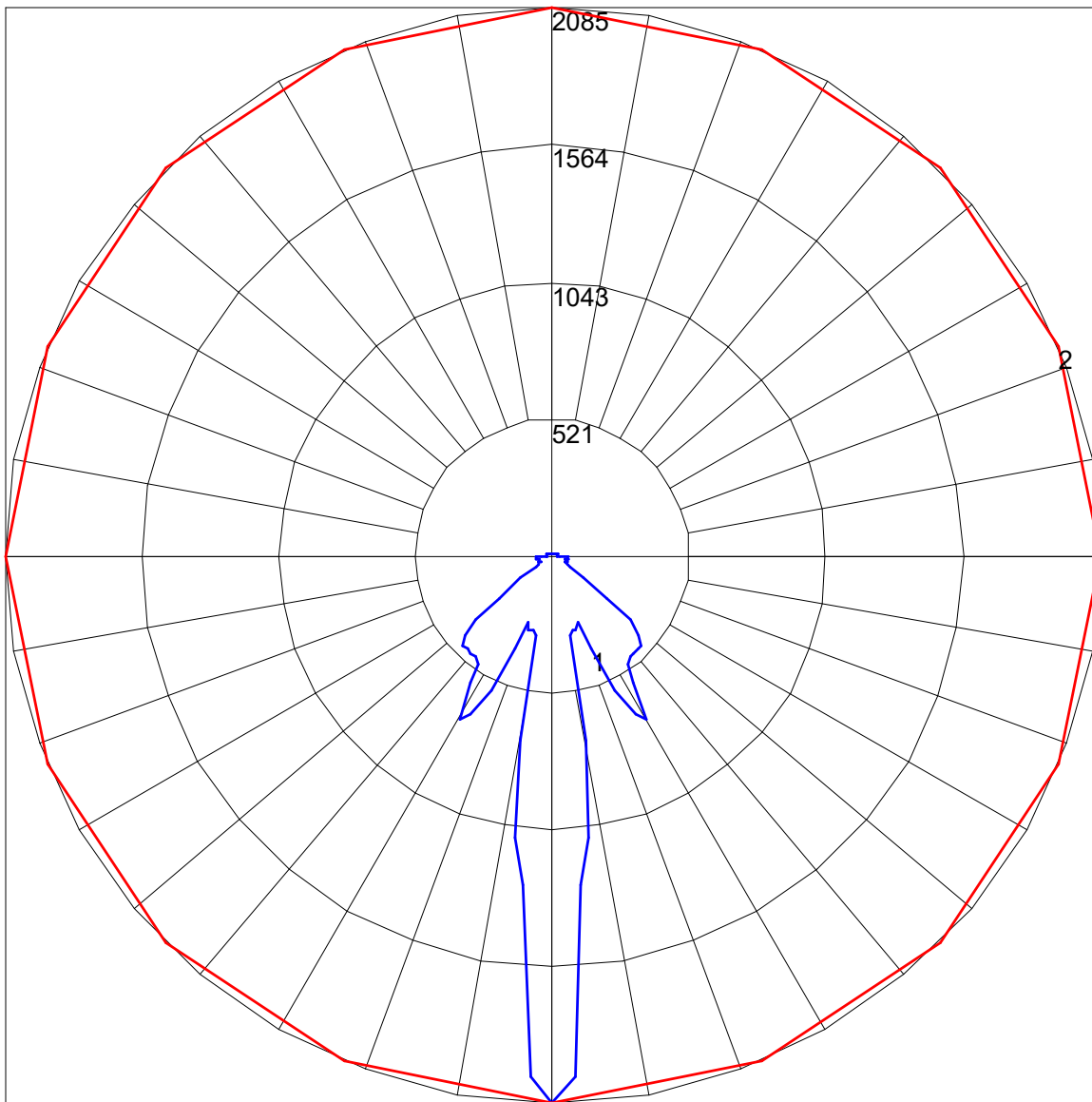
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

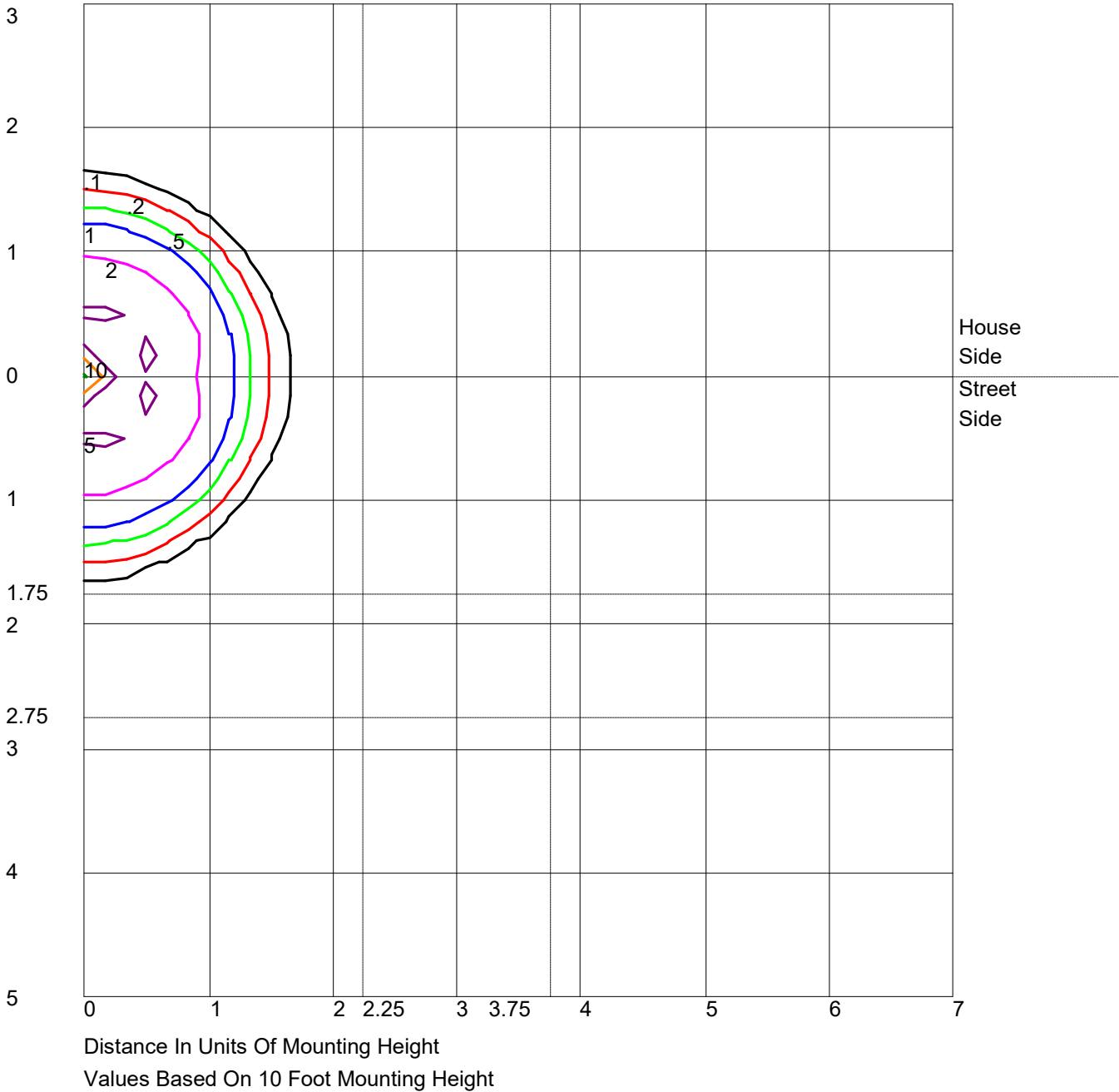
	Lumens	Percent Of Luminaire
Downward Street Side	812.3	47.8
Downward House Side	812.3	47.8
Downward Total	1624.6	95.6
Upward Street Side	37.2	2.2
Upward House Side	37.2	2.2
Upward Total	74.4	4.4
Total Flux	1699.0	100.0

POLAR GRAPH



Maximum Candela = 2085 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

