



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-15L-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-716-15L-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	1349
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	10.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	1655
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1655
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	20 (1.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	59 (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)	199.4	N.A.	14.8
FM - Front-Medium (30-60)	378.5	N.A.	28.1
FH - Front-High (60-80)	45.9	N.A.	3.4
FVH - Front-Very High (80-90)	21.3	N.A.	1.6
BL - Back-Low (0-30)	199.4	N.A.	14.8
BM - Back-Medium (30-60)	378.5	N.A.	28.1
BH - Back-High (60-80)	45.9	N.A.	3.4
BVH - Back-Very High (80-90)	21.3	N.A.	1.6
UL - Uplight-Low (90-100)	17.1	N.A.	1.3
UH - Uplight-High (100-180)	42.1	N.A.	3.1
Total	1349.4	N.A.	100.0
BUG Rating	B1-U2-G1		

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CANDELA TABULATION

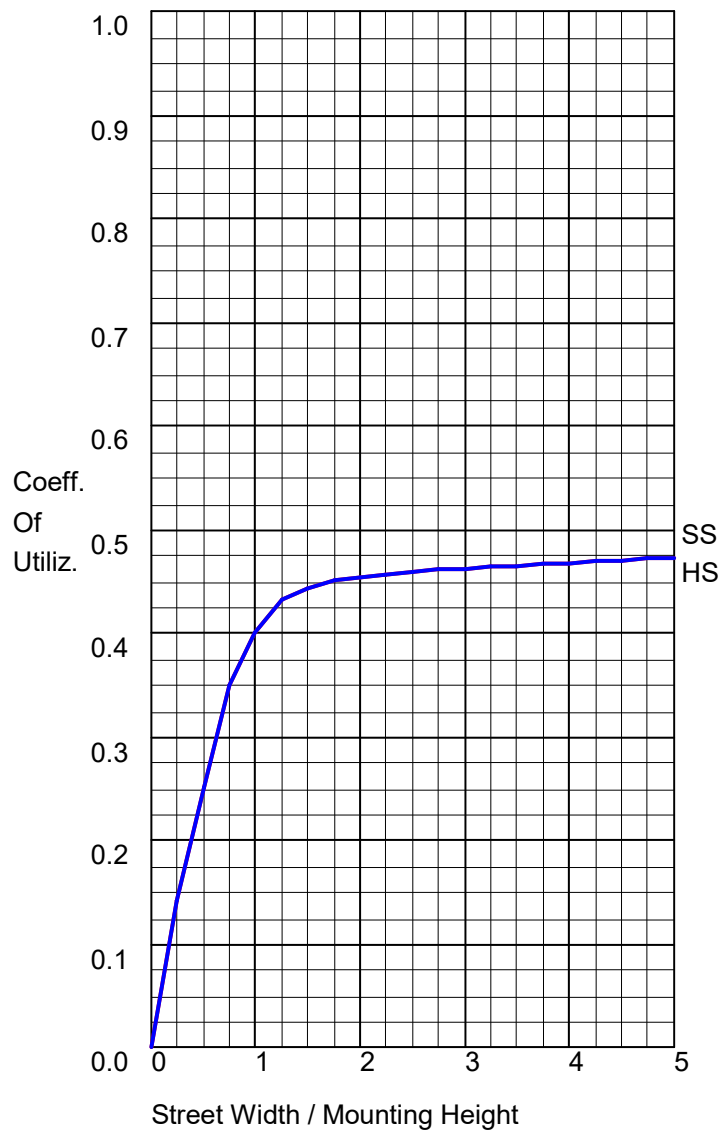
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1655	1655	1655	1655	1655
2.5	1630	1614	1613	1603	1575
5.0	1404	1310	1173	1012	999
7.5	957	864	827	864	861
10.0	563	550	524	557	564
12.5	231	247	236	250	248
15.0	198	193	199	227	232
17.5	220	209	214	248	237
20.0	243	227	209	211	214
22.5	314	301	303	324	301
25.0	486	464	512	562	446
27.5	702	674	691	746	542
30.0	746	689	649	699	568
32.5	535	544	507	555	457
35.0	479	476	456	489	398
37.5	459	448	440	459	389
40.0	436	440	434	451	385
42.5	428	430	436	443	382
45.0	413	420	430	435	382
47.5	384	396	398	410	357
50.0	340	343	337	349	305
52.5	237	242	231	236	208
55.0	127	128	117	119	116
57.5	60	57	56	60	61
60.0	48	48	48	50	50
62.5	45	45	45	46	45
65.0	43	44	43	44	44
67.5	43	45	43	42	42
70.0	40	43	44	44	45
72.5	39	40	39	39	42
75.0	42	43	42	42	45
77.5	51	53	48	48	46
80.0	59	59	50	49	49
82.5	53	53	54	49	48
85.0	35	37	46	49	48
87.5	22	22	26	29	37
90.0	16	16	16	16	20
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	9	9	9	9	9
112.5	7	7	7	9	9
115.0	7	7	7	7	9
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.)

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

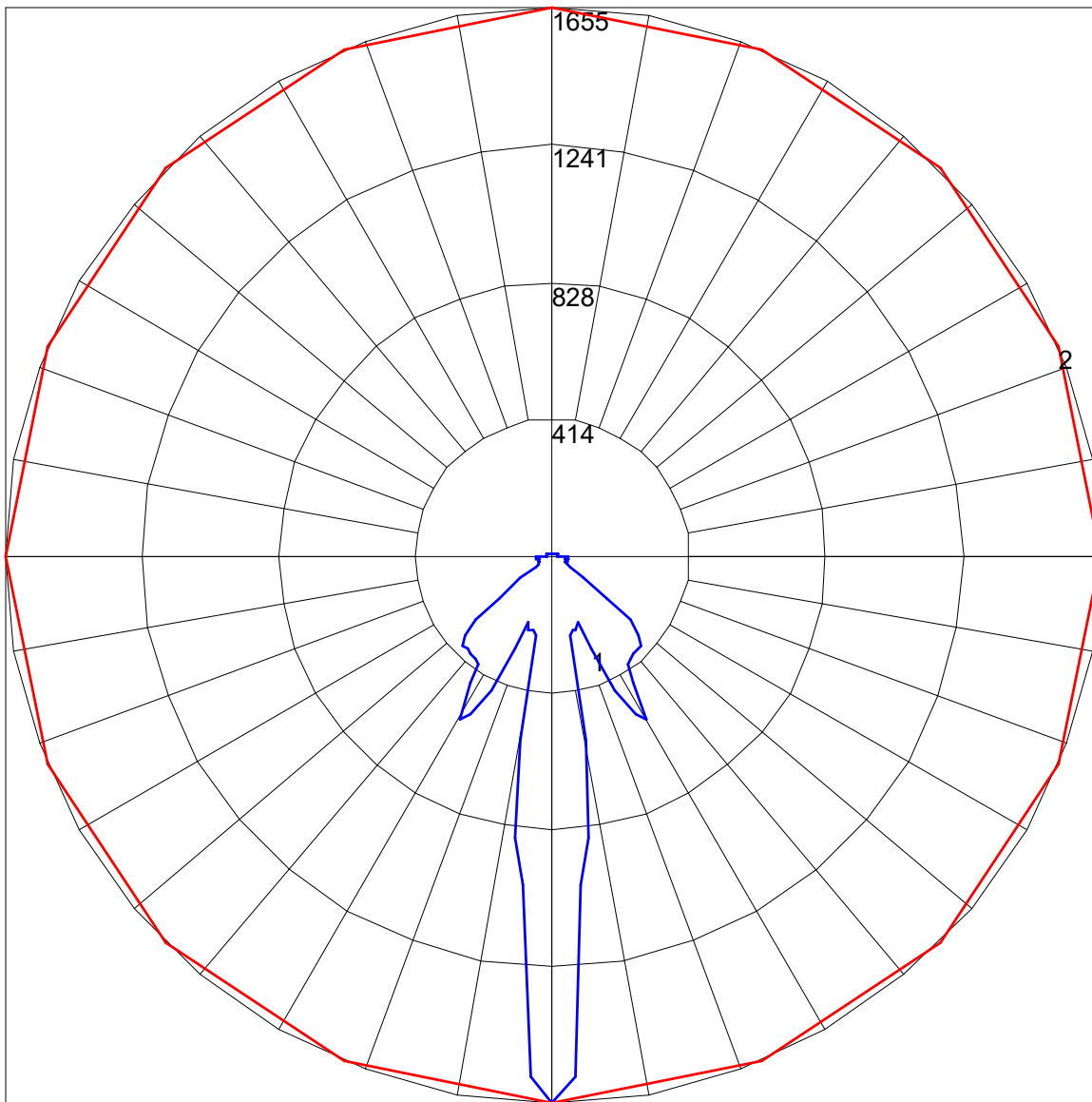
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	645.2	47.8
Downward House Side	645.2	47.8
Downward Total	1290.4	95.6
Upward Street Side	29.6	2.2
Upward House Side	29.6	2.2
Upward Total	59.2	4.4
Total Flux	1349.6	100.0

POLAR GRAPH



Maximum Candela = 1655 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

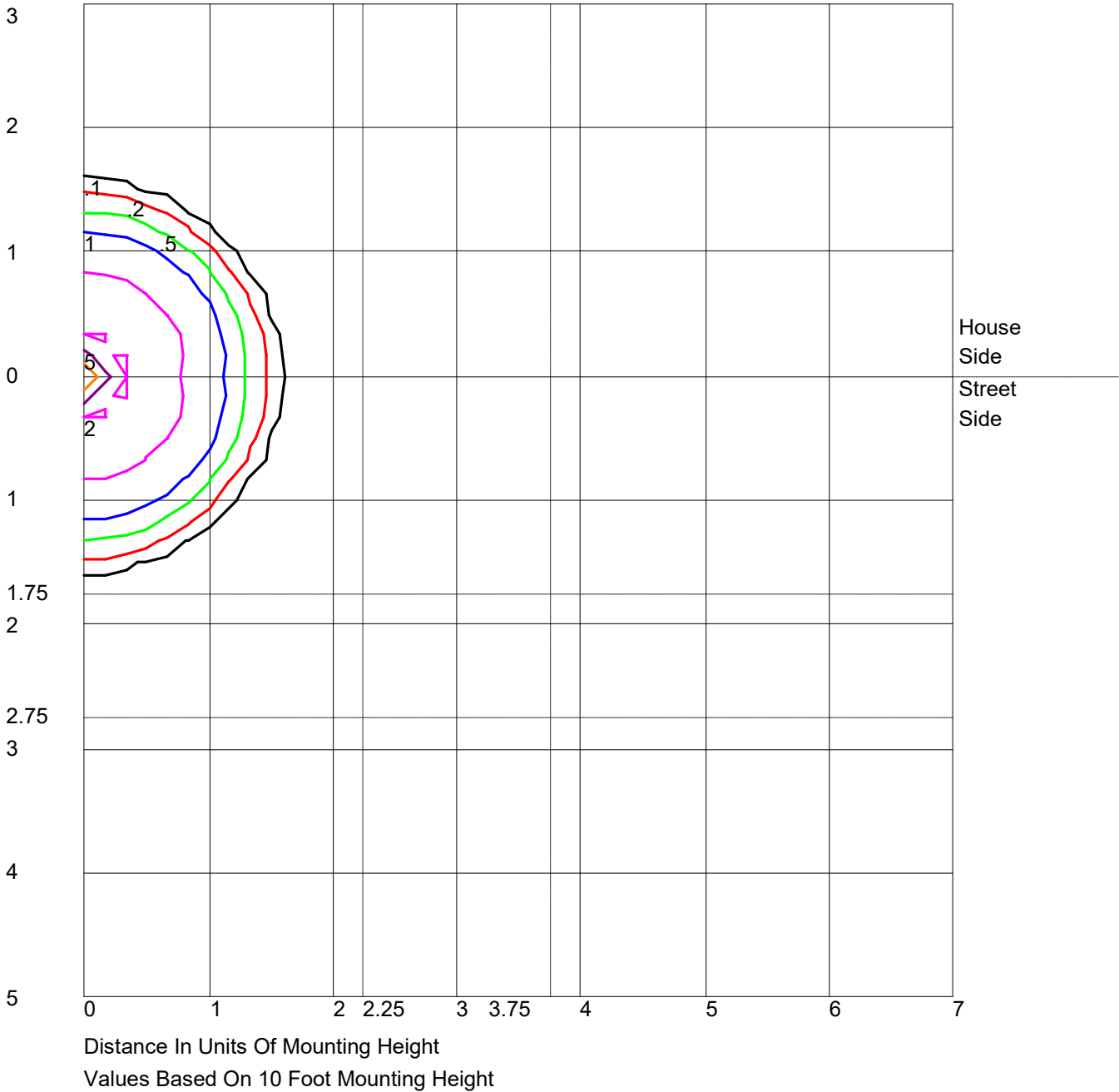


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