



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-17L-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-716-17L-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	1510
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	1853
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1853
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	22 (1.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	66 (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)	223.2	N.A.	14.8
FM - Front-Medium (30-60)	423.6	N.A.	28.1
FH - Front-High (60-80)	51.2	N.A.	3.4
FVH - Front-Very High (80-90)	23.8	N.A.	1.6
BL - Back-Low (0-30)	223.2	N.A.	14.8
BM - Back-Medium (30-60)	423.6	N.A.	28.1
BH - Back-High (60-80)	51.2	N.A.	3.4
BVH - Back-Very High (80-90)	23.8	N.A.	1.6
UL - Uplight-Low (90-100)	18.8	N.A.	1.2
UH - Uplight-High (100-180)	47.5	N.A.	3.1
Total	1509.9	N.A.	100.0
BUG Rating	B1-U2-G1		

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CANDELA TABULATION

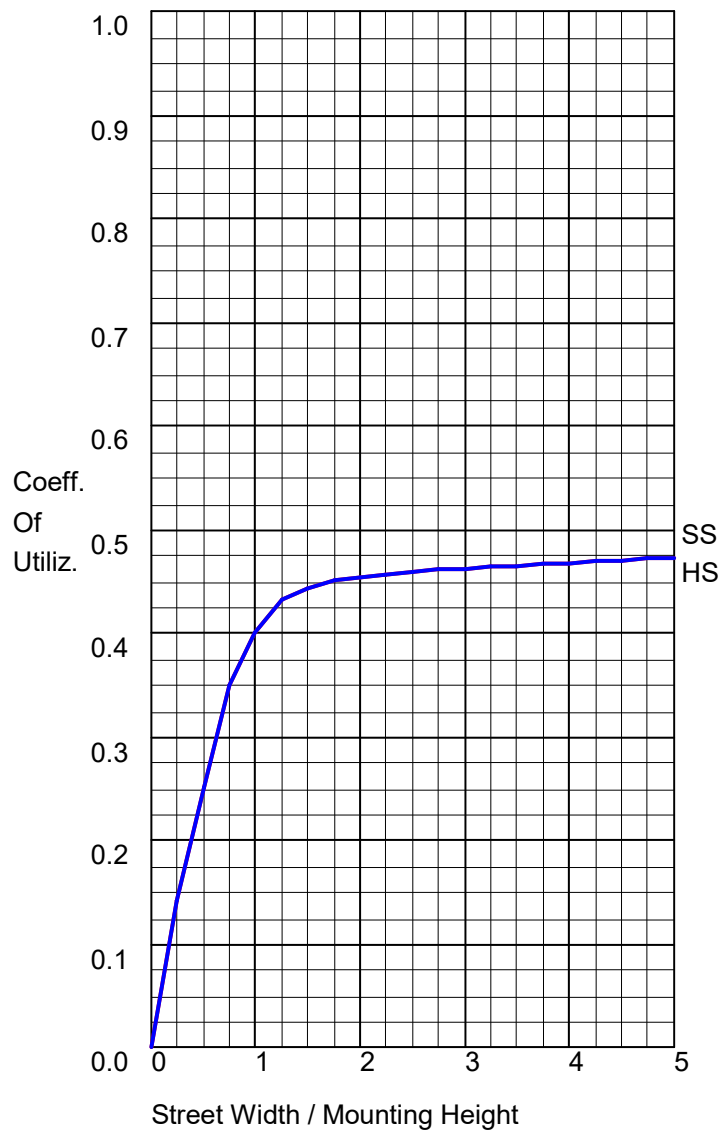
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1853	1853	1853	1853	1853
2.5	1824	1806	1805	1794	1763
5.0	1571	1466	1313	1132	1119
7.5	1071	967	926	967	964
10.0	630	615	587	624	632
12.5	258	276	264	280	278
15.0	222	216	223	254	260
17.5	246	234	239	278	265
20.0	272	254	234	237	239
22.5	351	336	339	362	336
25.0	544	520	573	629	499
27.5	786	755	774	835	607
30.0	835	771	726	782	636
32.5	599	609	567	621	511
35.0	536	533	510	547	446
37.5	514	502	492	514	435
40.0	488	492	485	505	431
42.5	479	481	488	496	428
45.0	462	470	481	487	428
47.5	429	443	446	459	399
50.0	380	384	377	391	342
52.5	265	271	258	264	232
55.0	142	144	131	133	130
57.5	67	64	63	67	68
60.0	53	53	53	56	56
62.5	51	51	51	52	51
65.0	48	49	48	49	49
67.5	48	51	48	46	46
70.0	45	48	49	49	51
72.5	44	45	44	44	46
75.0	46	48	46	46	51
77.5	57	59	53	53	52
80.0	66	66	56	55	55
82.5	59	59	60	55	53
85.0	40	41	52	55	53
87.5	25	25	29	33	41
90.0	18	18	18	18	22
92.5	18	18	18	18	18
95.0	18	18	16	16	18
97.5	16	16	16	16	18
100.0	18	18	16	16	18
102.5	16	16	16	16	16
105.0	15	14	14	14	15
107.5	12	12	12	12	12
110.0	10	10	10	10	10
112.5	8	8	8	10	10
115.0	8	8	8	8	10
117.5	8	8	8	8	8
120.0	8	8	8	8	8
122.5	8	8	8	8	8
125.0	8	8	8	8	8
127.5	8	8	8	8	8
130.0	8	8	8	8	8

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CANDELA TABULATION - (Cont.)

132.5	8	8	8	8	8
135.0	8	8	8	8	8
137.5	8	8	8	8	8
140.0	8	8	8	8	8
142.5	8	8	8	8	8
145.0	8	8	8	8	8
147.5	8	8	8	8	8
150.0	8	8	8	8	8
152.5	8	8	8	8	8
155.0	7	8	8	8	7
157.5	7	7	7	7	7
160.0	7	7	7	7	7
162.5	7	7	7	7	7
165.0	7	7	7	7	7
167.5	5	7	7	7	7
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

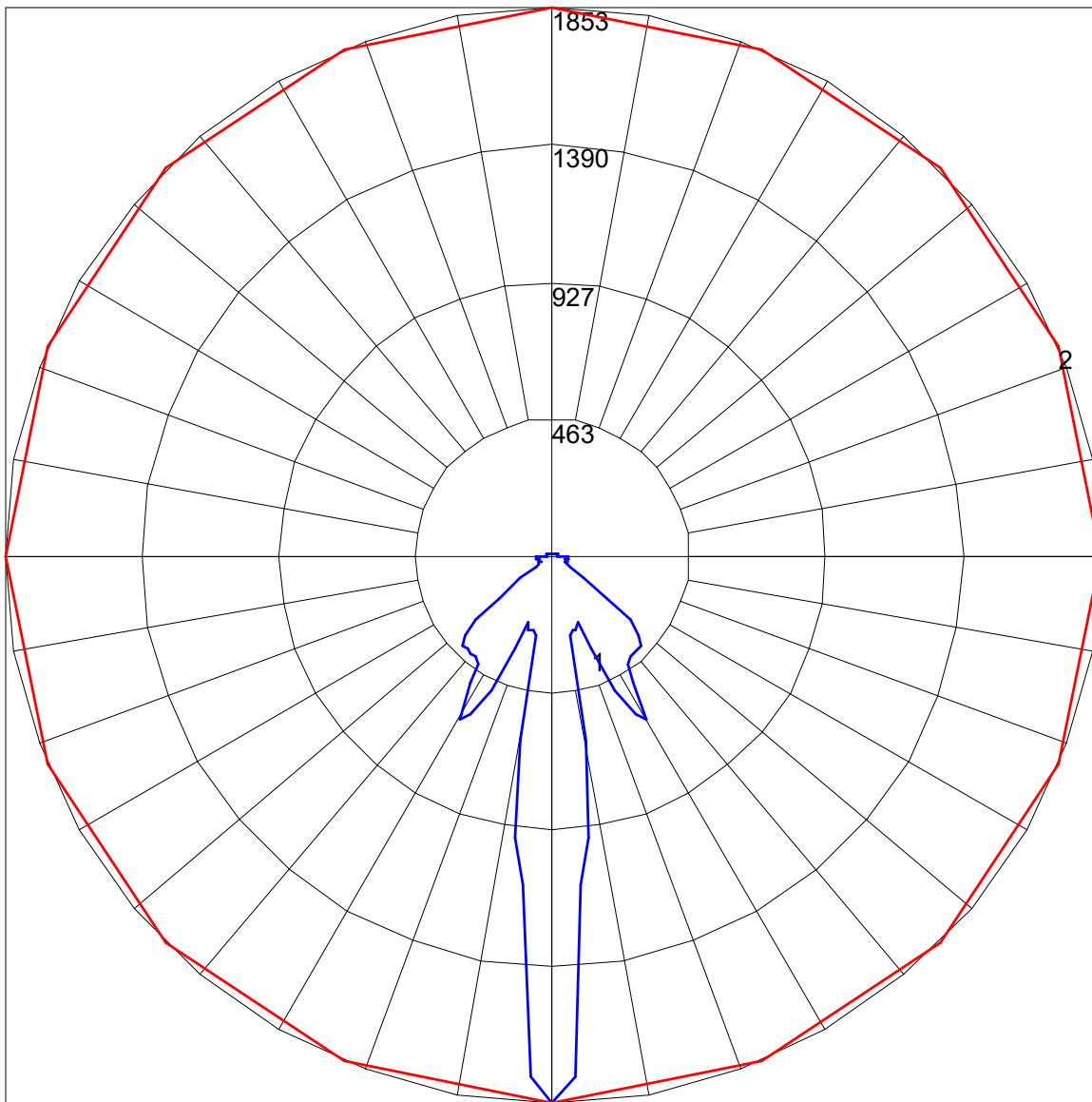
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	721.9	47.8
Downward House Side	721.9	47.8
Downward Total	1443.8	95.6
Upward Street Side	33.2	2.2
Upward House Side	33.2	2.2
Upward Total	66.4	4.4
Total Flux	1510.2	100.0

POLAR GRAPH



Maximum Candela = 1853 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

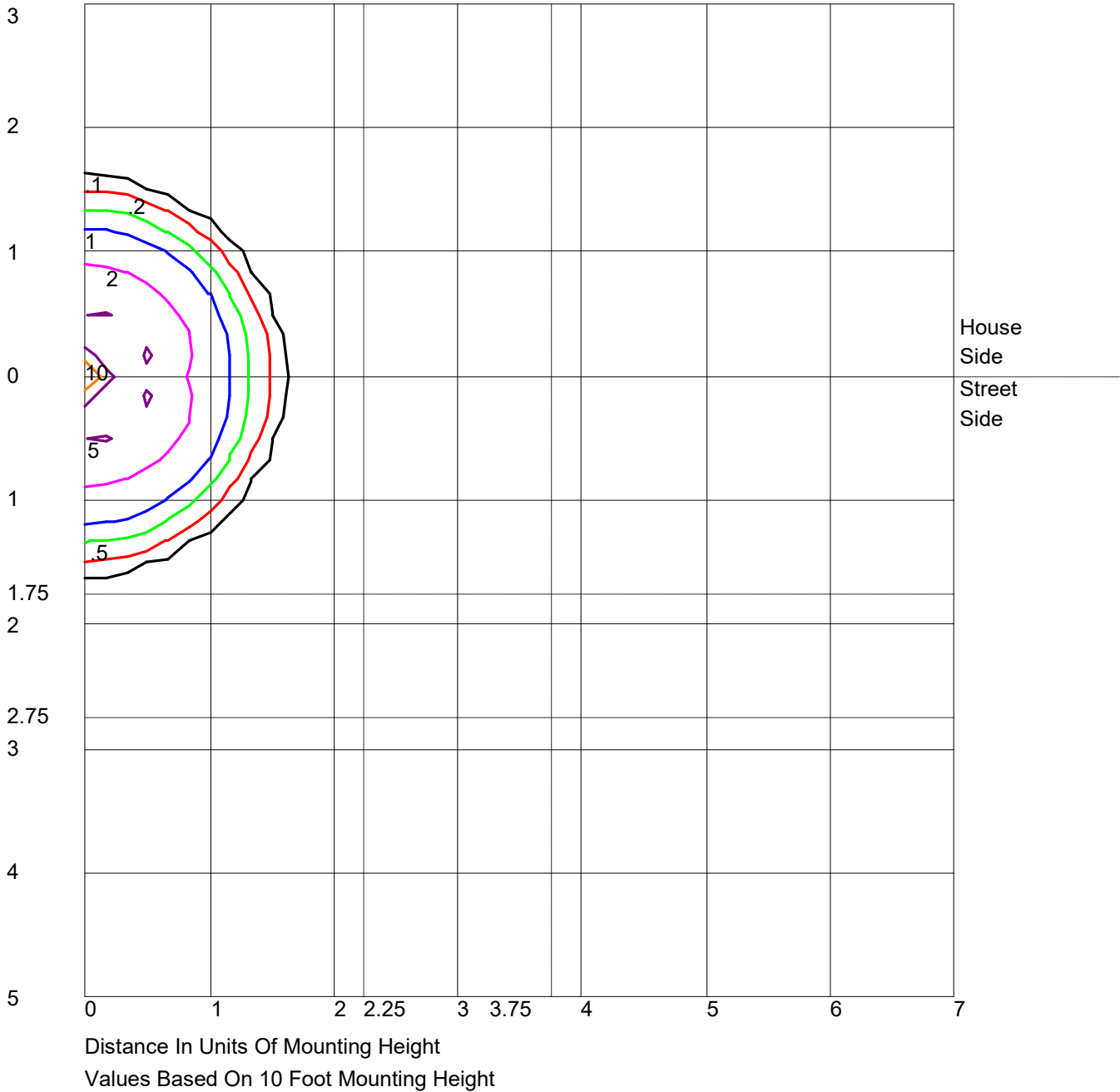


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