



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-17L-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-716-17L-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	1526
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	1872
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1872
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	22 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	66 (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)	225.6	N.A.	14.8
FM - Front-Medium (30-60)	428.2	N.A.	28.1
FH - Front-High (60-80)	51.8	N.A.	3.4
FVH - Front-Very High (80-90)	24.0	N.A.	1.6
BL - Back-Low (0-30)	225.6	N.A.	14.8
BM - Back-Medium (30-60)	428.2	N.A.	28.1
BH - Back-High (60-80)	51.8	N.A.	3.4
BVH - Back-Very High (80-90)	24.0	N.A.	1.6
UL - Uplight-Low (90-100)	19.3	N.A.	1.3
UH - Uplight-High (100-180)	47.9	N.A.	3.1
Total	1526.4	N.A.	100.0
BUG Rating	B1-U2-G1		

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CANDELA TABULATION

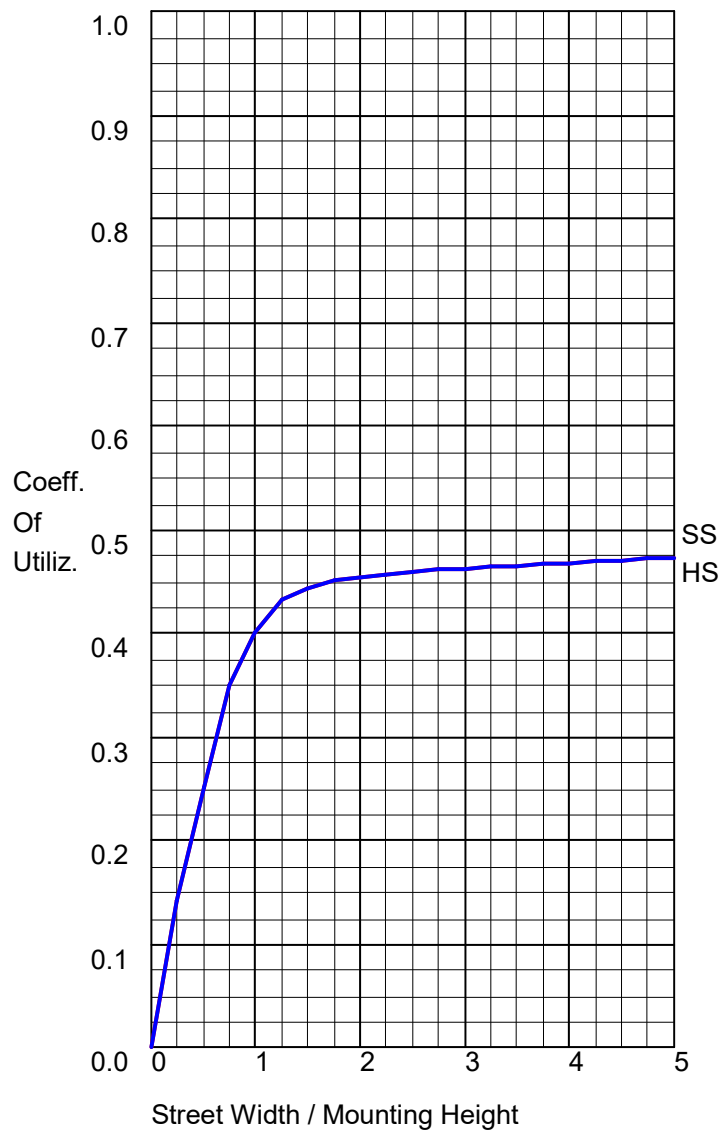
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1872	1872	1872	1872	1872
2.5	1843	1825	1824	1813	1781
5.0	1588	1481	1327	1144	1130
7.5	1082	977	936	977	974
10.0	637	622	593	630	638
12.5	261	279	267	283	281
15.0	224	218	225	257	263
17.5	249	236	242	281	268
20.0	275	257	236	239	242
22.5	355	340	343	366	340
25.0	550	525	579	636	504
27.5	795	763	782	844	614
30.0	844	779	734	790	643
32.5	605	615	573	627	517
35.0	542	539	515	553	450
37.5	520	507	497	520	439
40.0	493	497	491	510	435
42.5	484	486	493	502	433
45.0	467	475	486	492	433
47.5	434	448	450	464	404
50.0	384	388	381	395	345
52.5	268	274	261	267	235
55.0	144	145	133	134	131
57.5	68	65	64	68	69
60.0	54	54	54	57	57
62.5	51	51	51	53	51
65.0	48	50	48	50	50
67.5	48	51	48	47	47
70.0	46	48	50	50	51
72.5	44	46	44	44	47
75.0	47	48	47	47	51
77.5	58	59	54	54	53
80.0	66	66	57	55	55
82.5	59	59	61	55	54
85.0	40	41	53	55	54
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	17	17	18
97.5	17	17	17	17	18
100.0	18	18	17	17	18
102.5	17	17	17	17	17
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	6	7	7	7	7
170.0	6	6	6	6	6
172.5	6	6	6	6	6
175.0	4	4	4	6	6
177.5	4	4	4	6	6
180.0	4	4	4	4	4

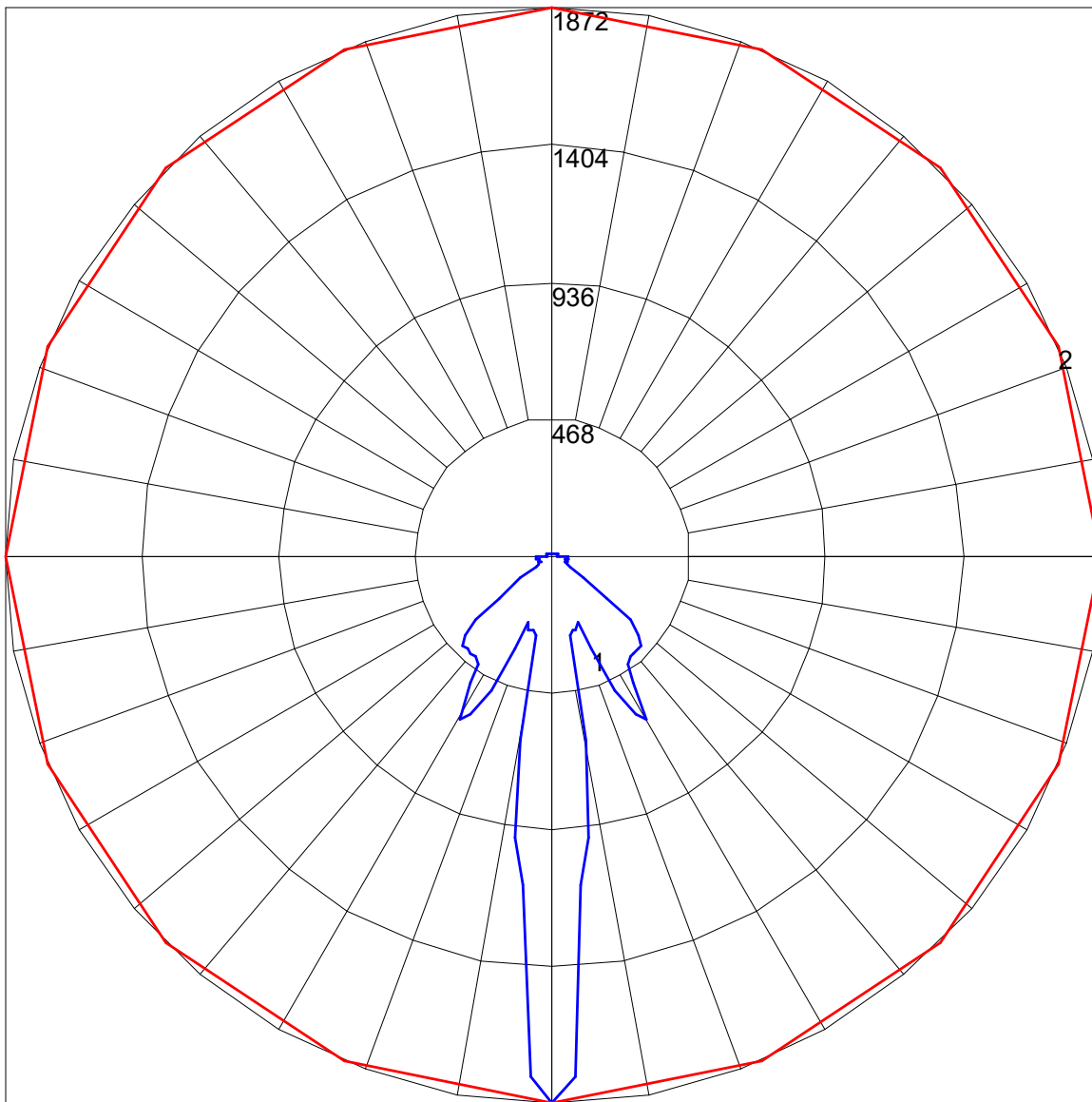
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	729.5	47.8
Downward House Side	729.5	47.8
Downward Total	1459.0	95.6
Upward Street Side	33.6	2.2
Upward House Side	33.6	2.2
Upward Total	67.2	4.4
Total Flux	1526.2	100.0

POLAR GRAPH



Maximum Candela = 1872 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

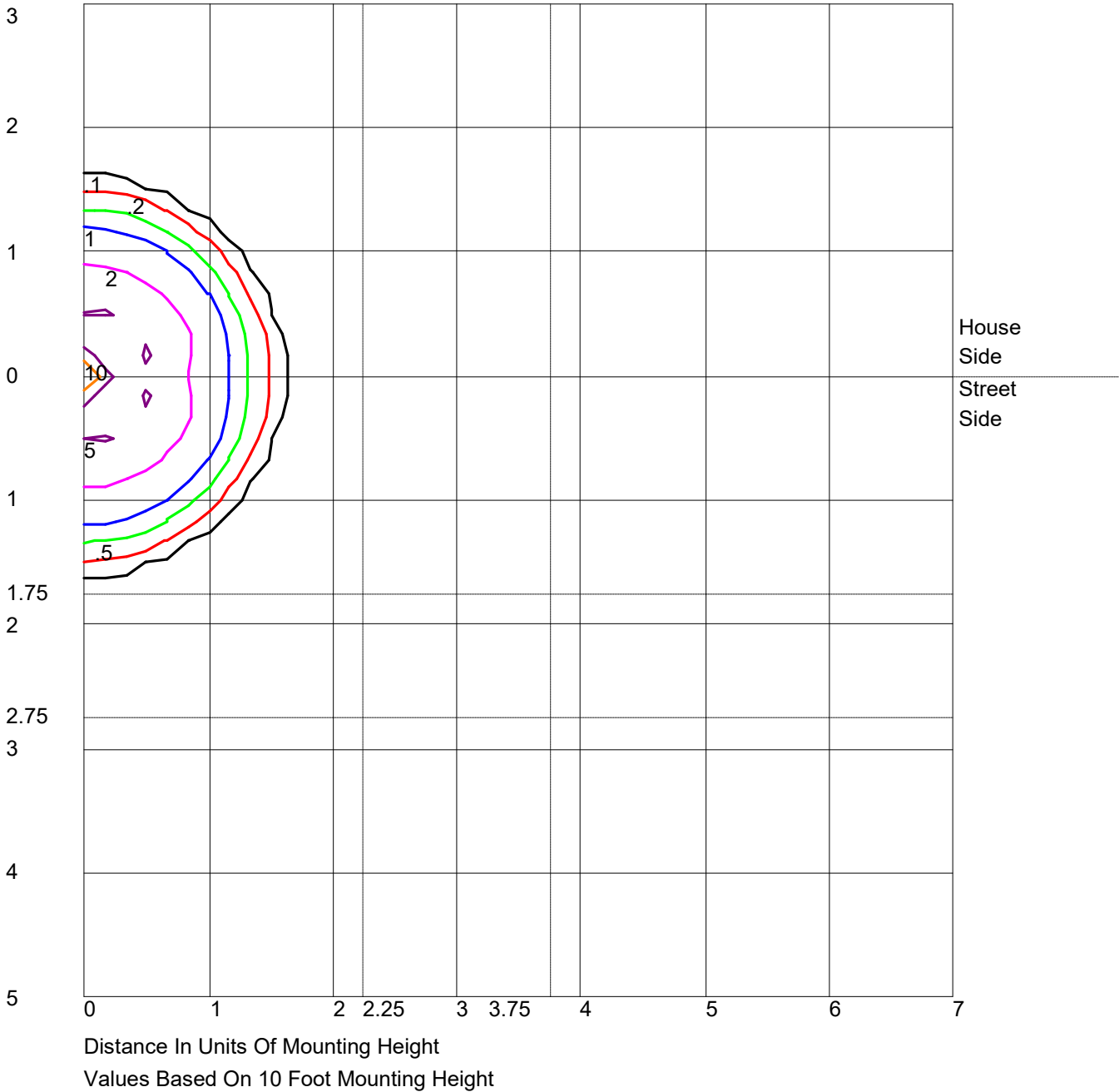


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