



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-17L-35-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-35-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	1513
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	1857
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1857
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)	223.7	N.A.	14.8
FM - Front-Medium (30-60)	424.5	N.A.	28.1
FH - Front-High (60-80)	51.4	N.A.	3.4
FVH - Front-Very High (80-90)	23.8	N.A.	1.6
BL - Back-Low (0-30)	223.7	N.A.	14.8
BM - Back-Medium (30-60)	424.5	N.A.	28.1
BH - Back-High (60-80)	51.4	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	1513.1	N.A.	100.0
BUG Rating	B1-U2-G1		

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CANDELA TABULATION

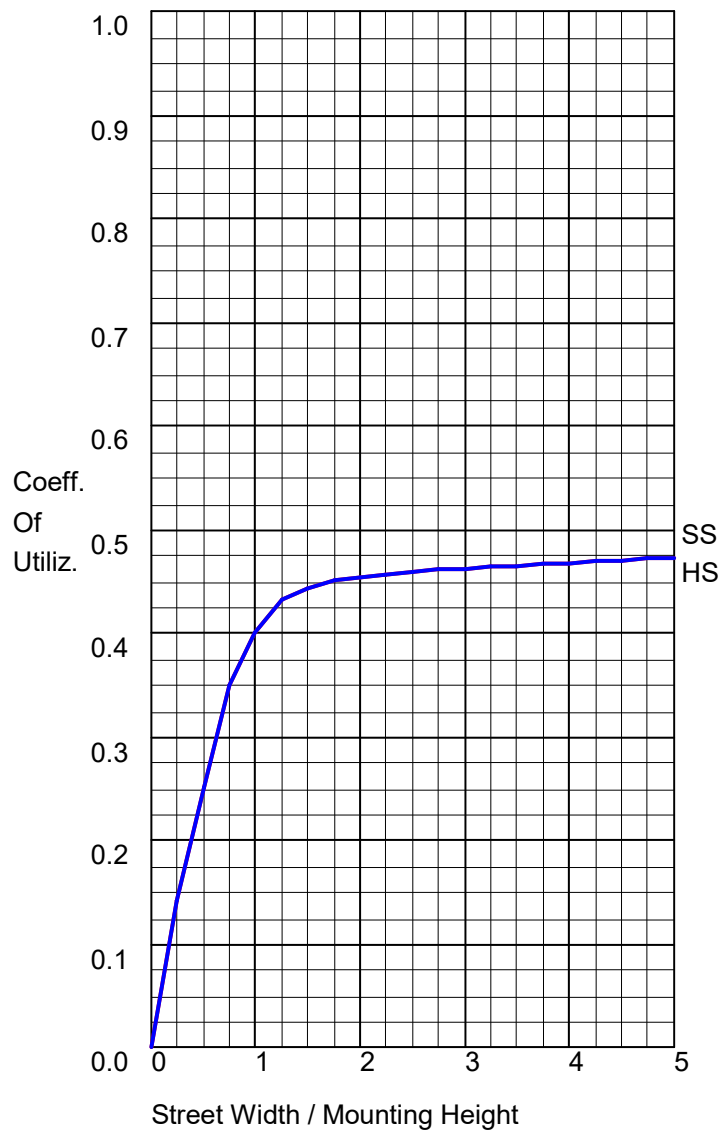
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1857	1857	1857	1857	1857
2.5	1828	1810	1809	1798	1766
5.0	1574	1469	1315	1134	1121
7.5	1073	969	928	969	966
10.0	632	617	588	625	633
12.5	259	277	264	281	278
15.0	222	216	223	255	260
17.5	247	234	240	278	266
20.0	273	255	234	237	240
22.5	352	337	340	363	337
25.0	545	521	574	630	500
27.5	788	756	775	837	608
30.0	837	773	728	784	637
32.5	600	610	569	622	512
35.0	537	534	511	548	447
37.5	515	503	493	515	436
40.0	489	493	486	506	432
42.5	480	482	489	497	429
45.0	463	471	482	488	429
47.5	430	444	447	460	400
50.0	381	385	378	392	343
52.5	266	271	259	264	233
55.0	142	144	132	133	130
57.5	67	64	63	67	69
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	47	47
70.0	45	48	49	49	51
72.5	44	45	44	44	47
75.0	47	48	47	47	51
77.5	58	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

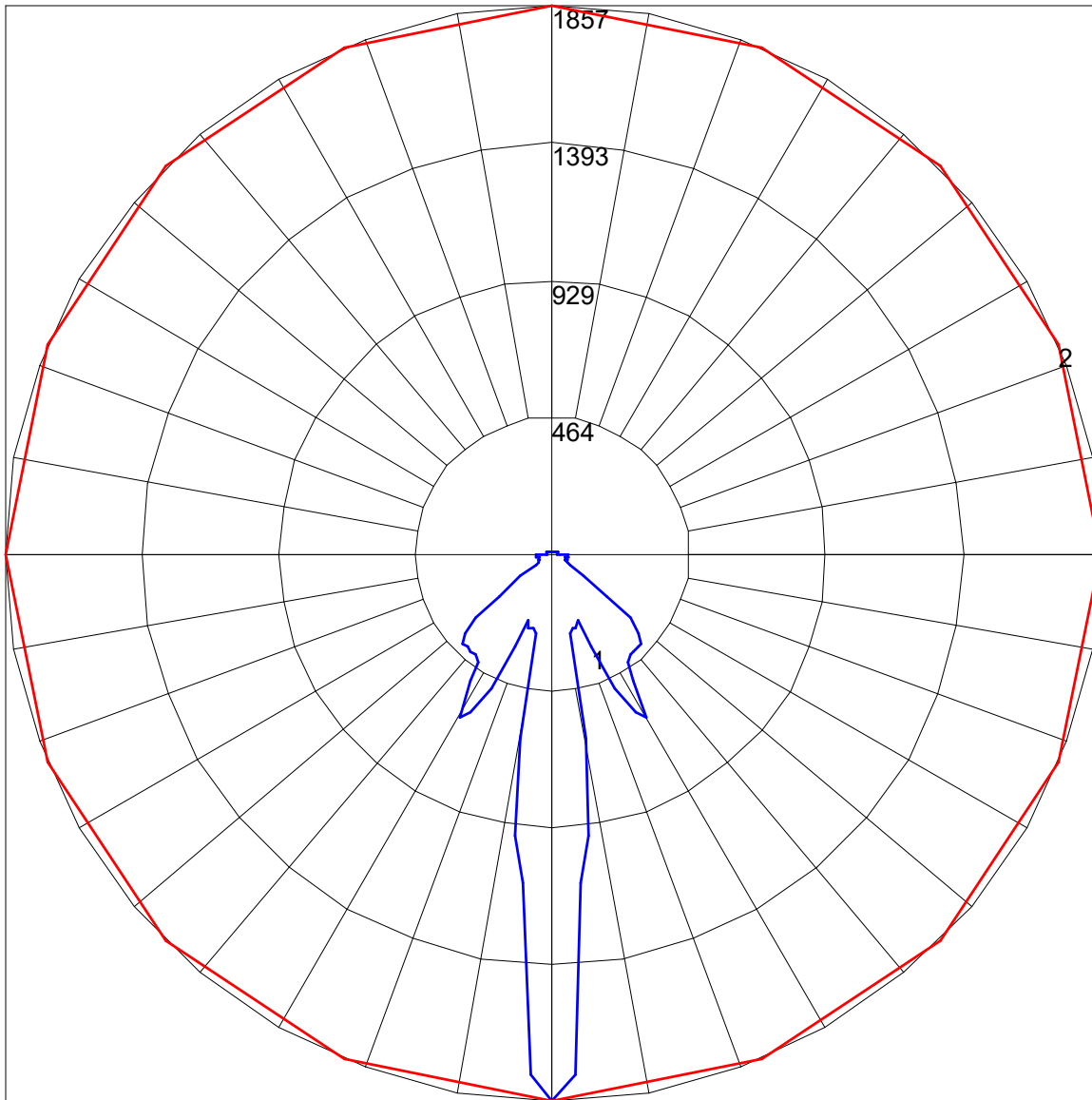
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	723.4	47.8
Downward House Side	723.4	47.8
Downward Total	1446.8	95.6
Upward Street Side	33.2	2.2
Upward House Side	33.2	2.2
Upward Total	66.4	4.4
Total Flux	1513.2	100.0

POLAR GRAPH



Maximum Candela = 1857 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

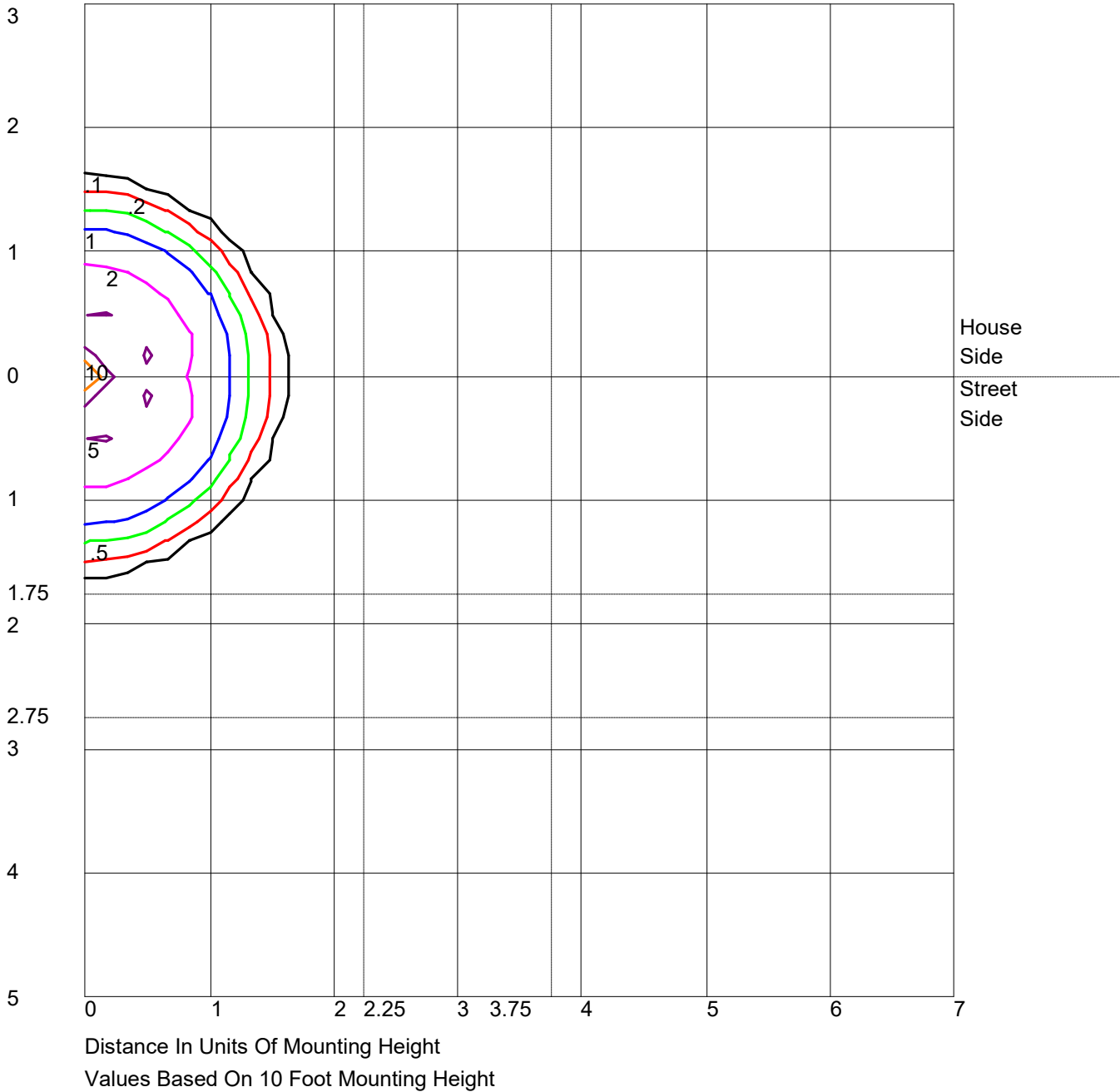


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