



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-15L-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-716-15L-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	1503
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	10.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	1843
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1843
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	65 (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)	222.1	N.A.	14.8
FM - Front-Medium (30-60)	421.5	N.A.	28.0
FH - Front-High (60-80)	51.0	N.A.	3.4
FVH - Front-Very High (80-90)	23.6	N.A.	1.6
BL - Back-Low (0-30)	222.1	N.A.	14.8
BM - Back-Medium (30-60)	421.5	N.A.	28.0
BH - Back-High (60-80)	51.0	N.A.	3.4
BVH - Back-Very High (80-90)	23.6	N.A.	1.6
UL - Uplight-Low (90-100)	18.8	N.A.	1.3
UH - Uplight-High (100-180)	47.5	N.A.	3.2
Total	1502.7	N.A.	100.0
BUG Rating	B1-U2-G1		

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CANDELA TABULATION

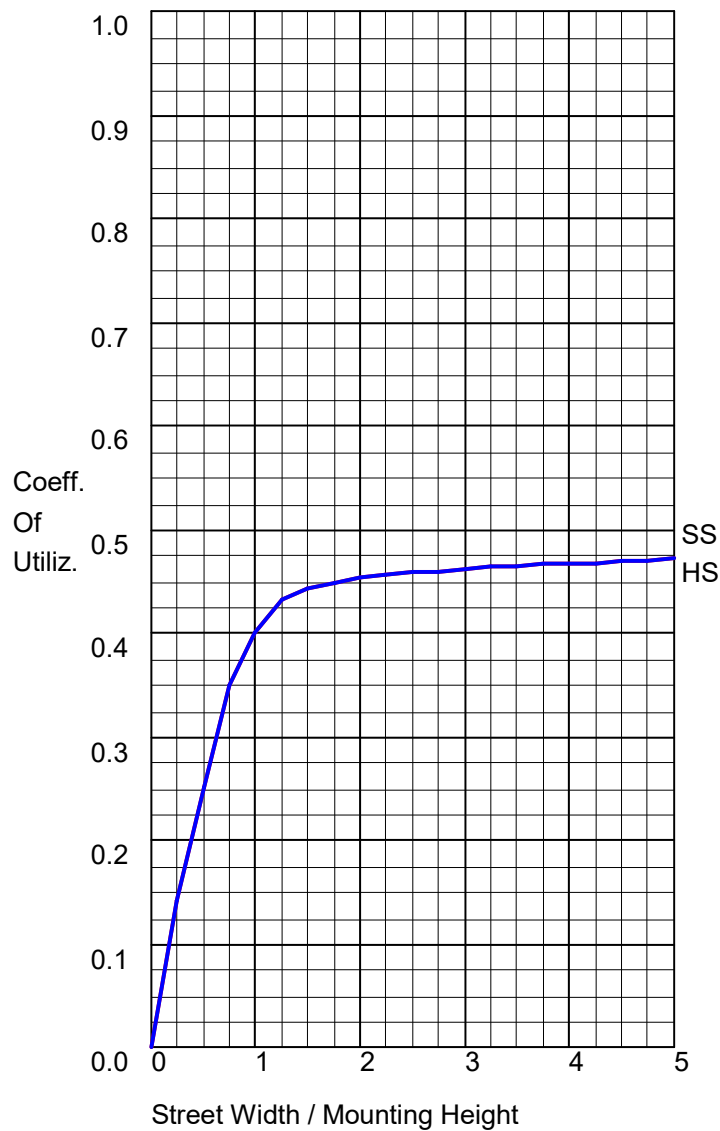
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1843	1843	1843	1843	1843
2.5	1814	1797	1795	1785	1753
5.0	1563	1458	1306	1126	1113
7.5	1065	962	921	962	959
10.0	627	612	584	620	628
12.5	257	275	263	279	276
15.0	220	215	222	253	258
17.5	245	233	238	276	264
20.0	271	253	233	235	238
22.5	350	335	337	360	335
25.0	541	517	570	626	496
27.5	782	751	770	831	604
30.0	831	767	722	778	632
32.5	596	605	564	618	509
35.0	533	530	507	544	443
37.5	511	499	490	511	433
40.0	486	490	483	502	428
42.5	476	479	486	494	426
45.0	460	468	479	484	426
47.5	427	441	443	457	397
50.0	378	382	375	389	340
52.5	264	269	257	263	231
55.0	141	143	131	132	129
57.5	67	64	63	67	68
60.0	53	53	53	56	56
62.5	50	50	50	52	50
65.0	48	49	48	49	49
67.5	48	50	48	46	46
70.0	45	48	49	49	50
72.5	44	45	44	44	46
75.0	46	48	46	46	50
77.5	57	58	53	53	52
80.0	65	65	56	54	54
82.5	58	58	60	54	53
85.0	39	41	52	54	53
87.5	24	24	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

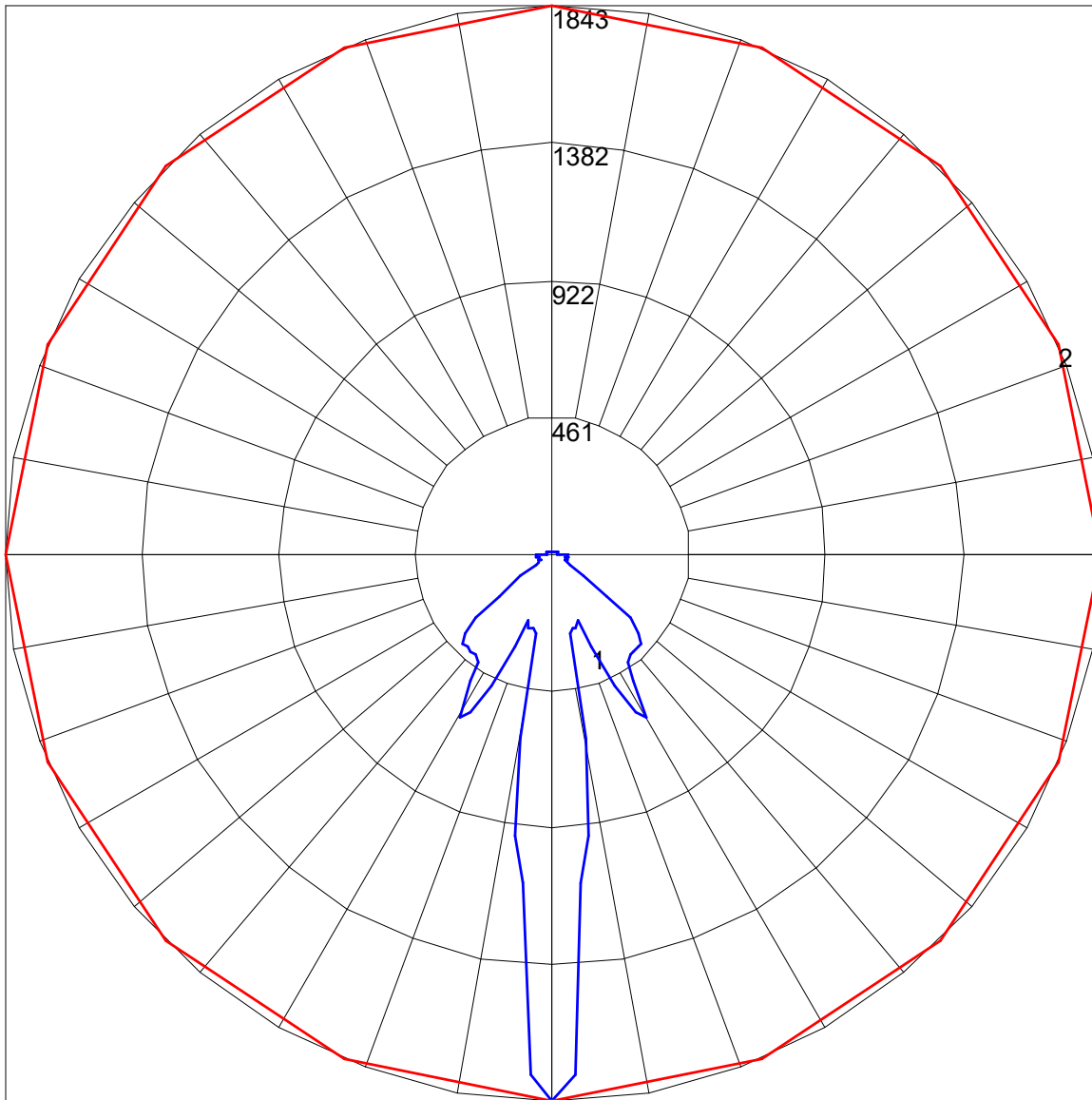
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	718.2	47.8
Downward House Side	718.2	47.8
Downward Total	1436.4	95.6
Upward Street Side	33.2	2.2
Upward House Side	33.2	2.2
Upward Total	66.4	4.4
Total Flux	1502.8	100.0

POLAR GRAPH



Maximum Candela = 1843 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

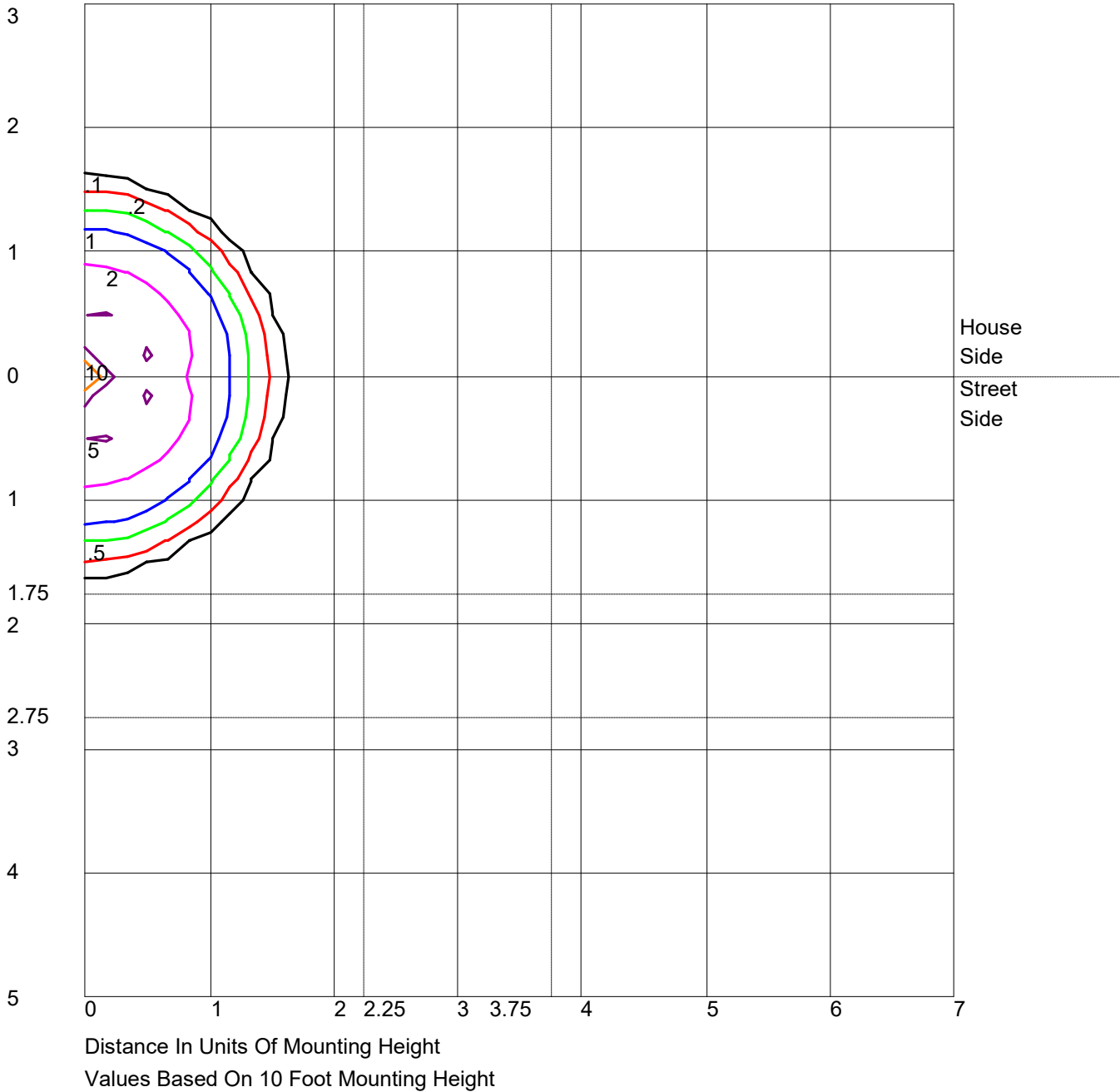


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