



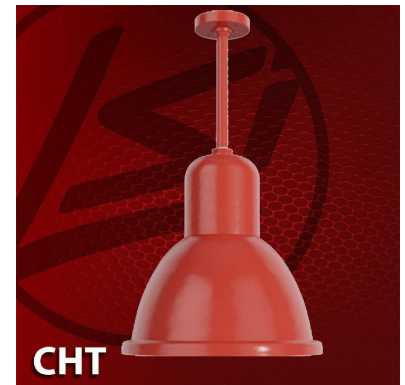
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : CHT-15L-50-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-11994  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 4/19/2021  
[TEST DATE] 07/13/20  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] CHT-15L-50-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	1242
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	10.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	771
Maximum Candela Angle	22.5H 2.5V
Maximum Candela (<90 Degrees Vertical)	771
Maximum Candela Angle (<90 Degrees Vertical)	22.5H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	28 (2.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



**IES ROAD REPORT**  
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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

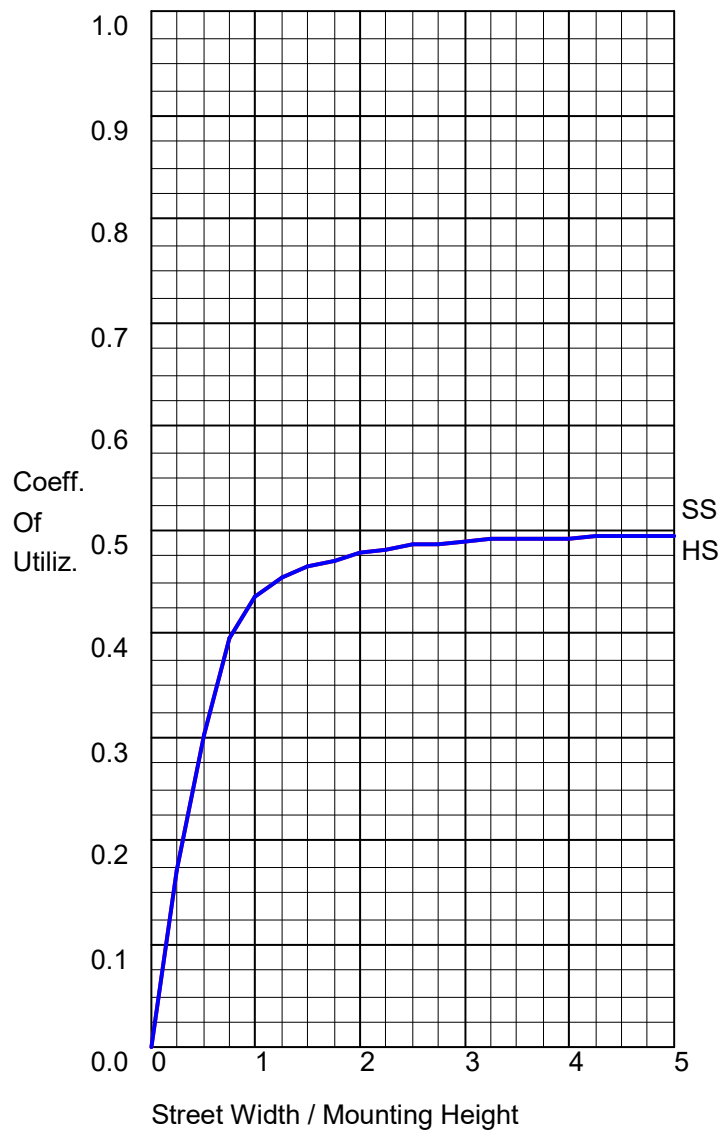
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	259.1	N.A.	20.9
FM - Front-Medium (30-60)	297.9	N.A.	24.0
FH - Front-High (60-80)	57.1	N.A.	4.6
FVH - Front-Very High (80-90)	6.9	N.A.	0.6
BL - Back-Low (0-30)	259.1	N.A.	20.9
BM - Back-Medium (30-60)	297.9	N.A.	24.0
BH - Back-High (60-80)	57.1	N.A.	4.6
BVH - Back-Very High (80-90)	6.9	N.A.	0.6
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	1242.0	N.A.	100.0
BUG Rating	B1-U0-G0		

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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	767	767	767	767	767
2.5	771	771	768	765	765
5.0	730	725	716	713	712
7.5	687	681	679	680	680
10.0	671	663	667	667	668
12.5	660	655	658	660	660
15.0	644	639	640	642	642
17.5	625	621	621	622	622
20.0	609	608	608	609	609
22.5	596	596	597	597	596
25.0	587	587	587	587	588
27.5	574	575	575	579	581
30.0	565	561	562	563	564
32.5	547	542	541	544	542
35.0	524	520	517	520	520
37.5	499	497	495	497	497
40.0	468	468	469	471	472
42.5	347	370	394	416	422
45.0	219	220	203	182	170
47.5	120	120	121	122	122
50.0	105	105	104	103	103
52.5	95	95	95	95	95
55.0	92	92	92	92	92
57.5	87	88	88	87	87
60.0	83	82	83	82	82
62.5	77	77	77	77	77
65.0	71	71	71	71	71
67.5	64	64	64	64	64
70.0	57	57	57	57	57
72.5	50	50	50	50	50
75.0	42	42	42	42	42
77.5	35	35	35	34	34
80.0	28	27	27	27	27
82.5	19	19	19	19	19
85.0	12	12	12	12	12
87.5	6	6	6	6	6
90.0	0	0	0	0	0

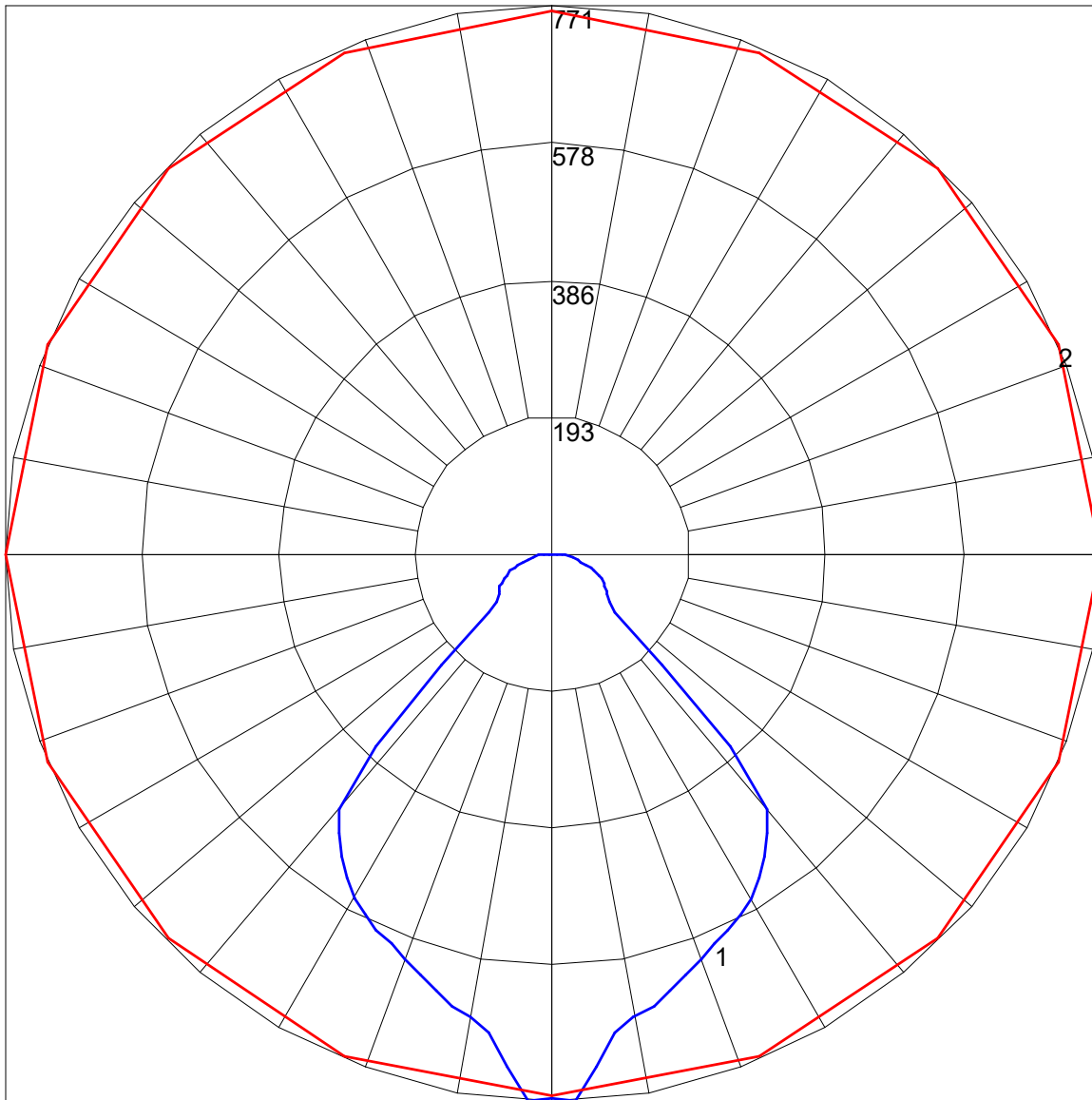
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

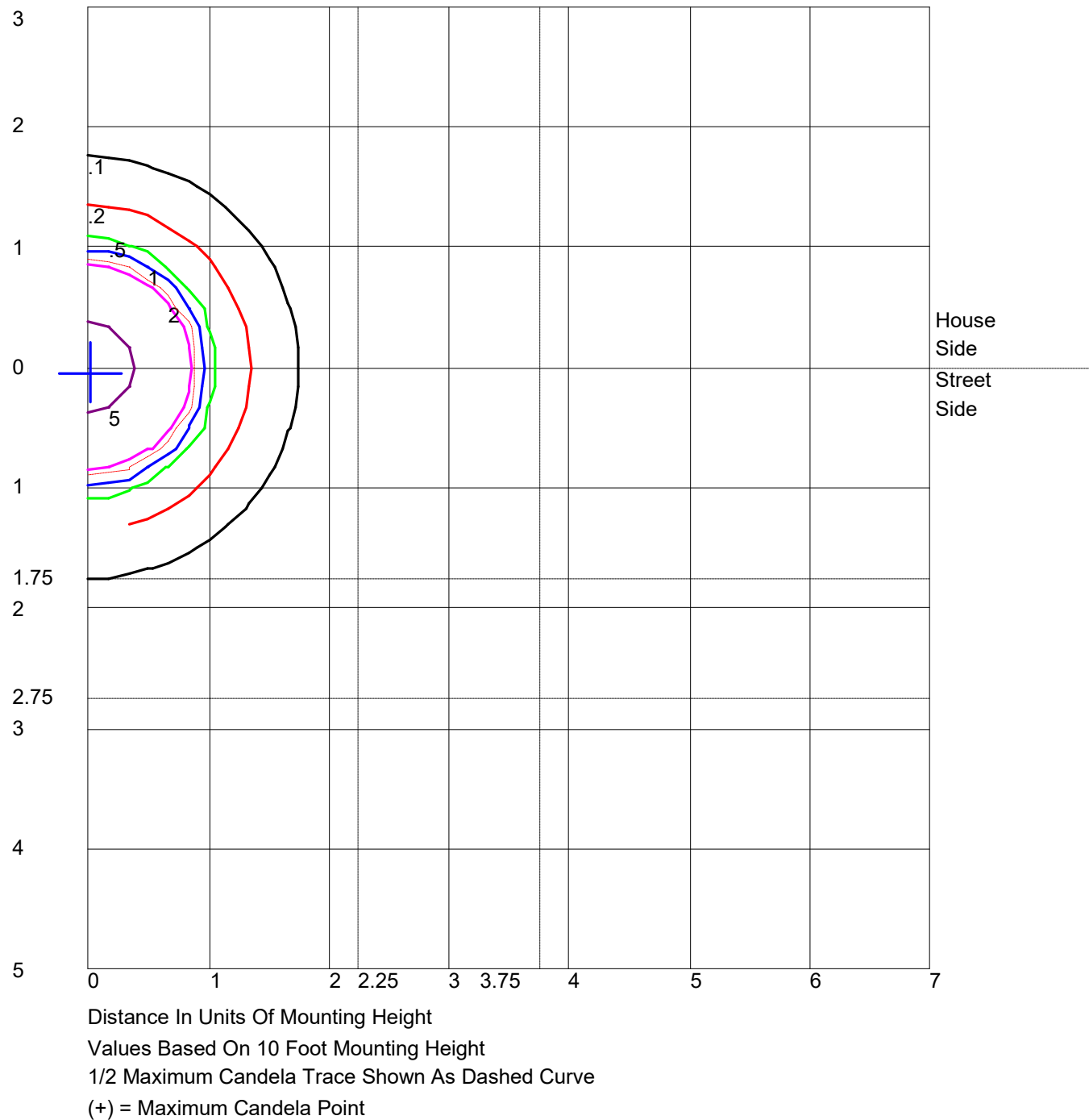
	Lumens	Percent Of Luminaire
Downward Street Side	621.0	50.0
Downward House Side	621.0	50.0
Downward Total	1242.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1242.0	100.0

POLAR GRAPH

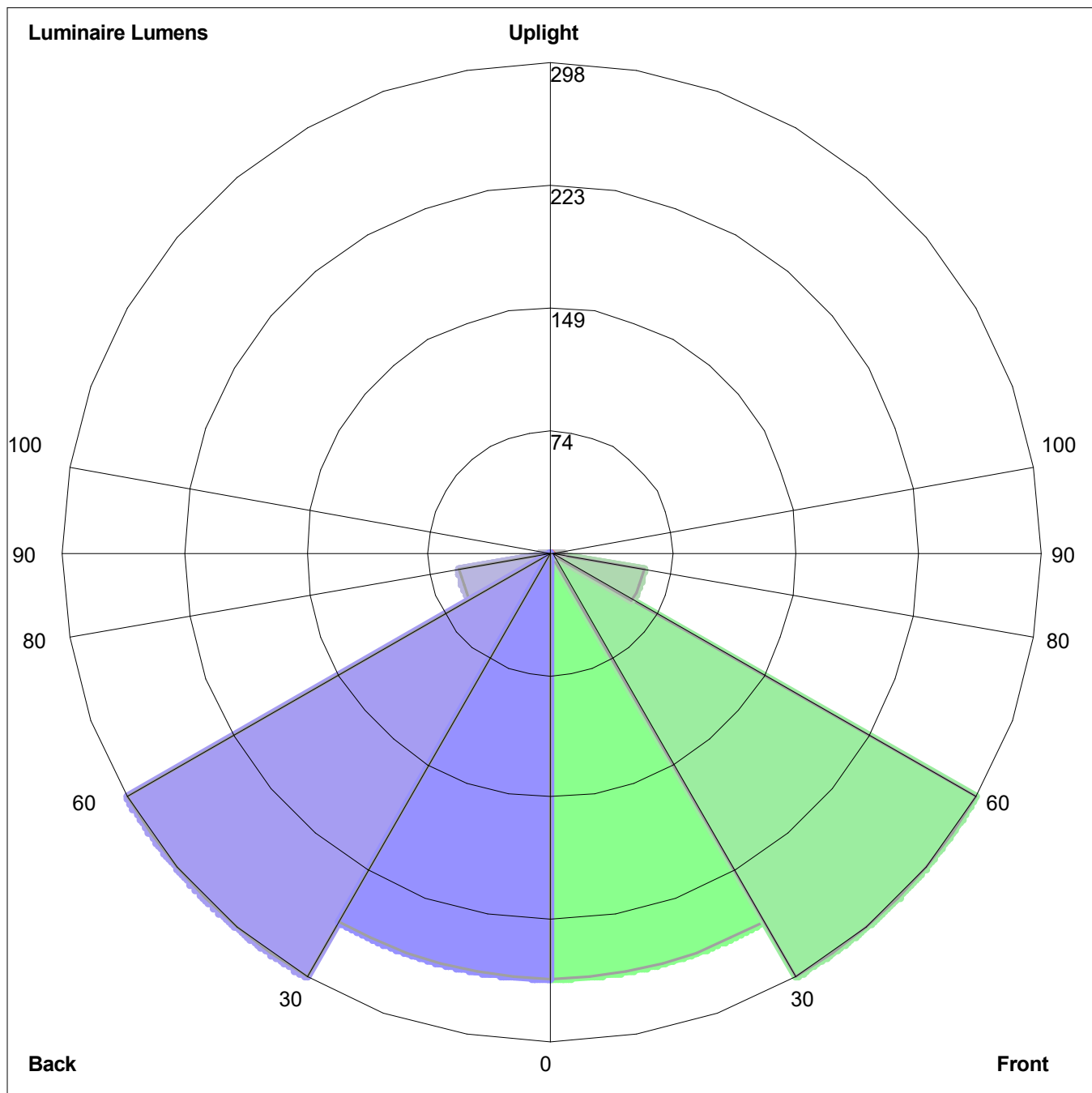


Maximum Candela = 771 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=259.1, Medium=297.9, High=57.1, Very High=6.9  
Back: Low=259.1, Medium=297.9, High=57.1, Very High=6.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0