



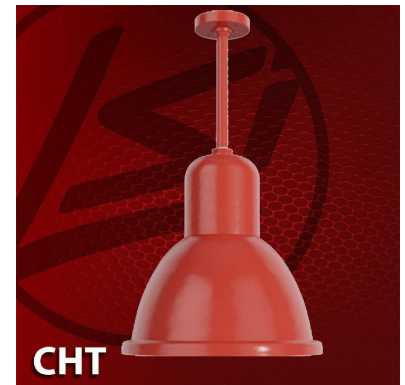
IES ROAD REPORT
PHOTOMETRIC FILENAME : CHT-17L-50-GWT.IES

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-17L-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	1404
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	871
Maximum Candela Angle	22.5H 2.5V
Maximum Candela (<90 Degrees Vertical)	871
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	31 (2.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

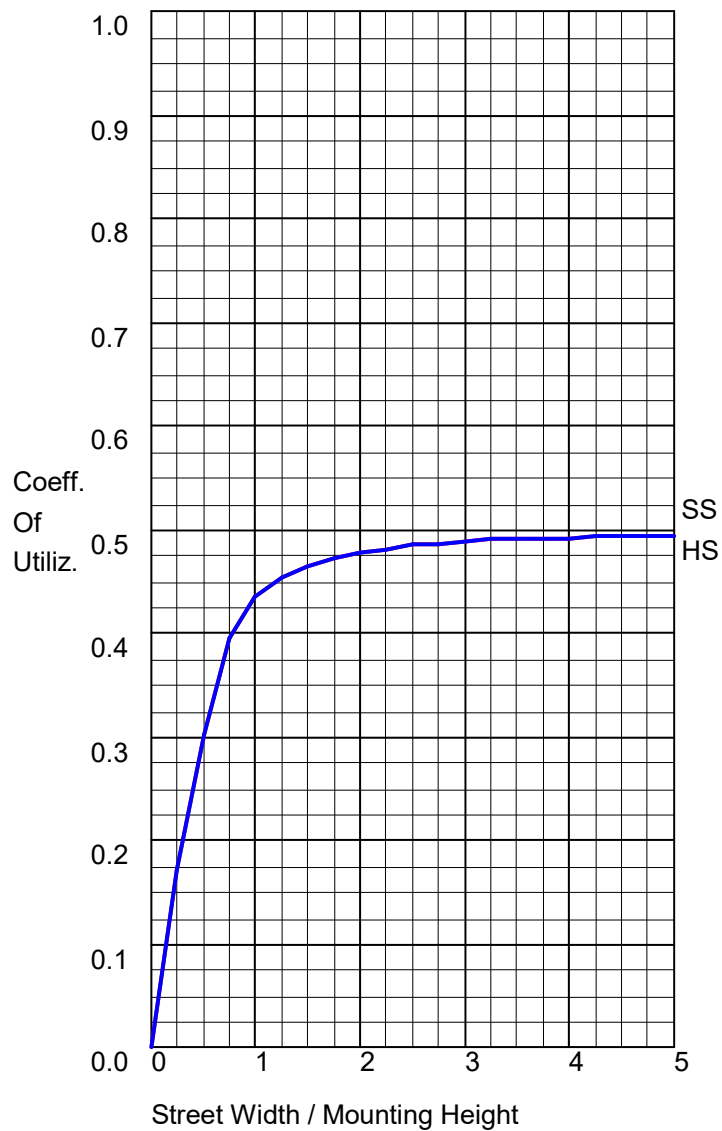
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	292.8	N.A.	20.9
FM - Front-Medium (30-60)	336.8	N.A.	24.0
FH - Front-High (60-80)	64.6	N.A.	4.6
FVH - Front-Very High (80-90)	7.9	N.A.	0.6
BL - Back-Low (0-30)	292.8	N.A.	20.9
BM - Back-Medium (30-60)	336.8	N.A.	24.0
BH - Back-High (60-80)	64.6	N.A.	4.6
BVH - Back-Very High (80-90)	7.9	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	1404.2	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	867	867	867	867	867
2.5	871	871	869	865	865
5.0	825	819	810	806	804
7.5	777	770	768	769	769
10.0	758	750	754	754	755
12.5	746	740	744	746	746
15.0	728	722	724	725	725
17.5	706	702	702	703	703
20.0	688	687	687	688	688
22.5	673	673	675	675	673
25.0	664	664	664	664	665
27.5	649	650	650	654	657
30.0	639	634	635	636	638
32.5	619	613	612	615	613
35.0	593	587	585	587	587
37.5	564	561	560	561	561
40.0	529	529	530	533	534
42.5	392	418	445	470	477
45.0	247	249	229	206	193
47.5	135	135	137	138	138
50.0	119	119	117	116	116
52.5	108	108	108	108	108
55.0	104	104	104	104	104
57.5	98	100	100	98	98
60.0	94	93	94	93	93
62.5	87	87	87	87	87
65.0	81	81	81	81	81
67.5	72	72	72	72	72
70.0	64	64	64	64	64
72.5	56	56	56	56	56
75.0	48	48	48	48	48
77.5	40	40	40	38	38
80.0	31	30	30	30	30
82.5	22	22	22	22	22
85.0	14	14	14	14	14
87.5	7	7	7	7	7
90.0	0	0	0	0	0

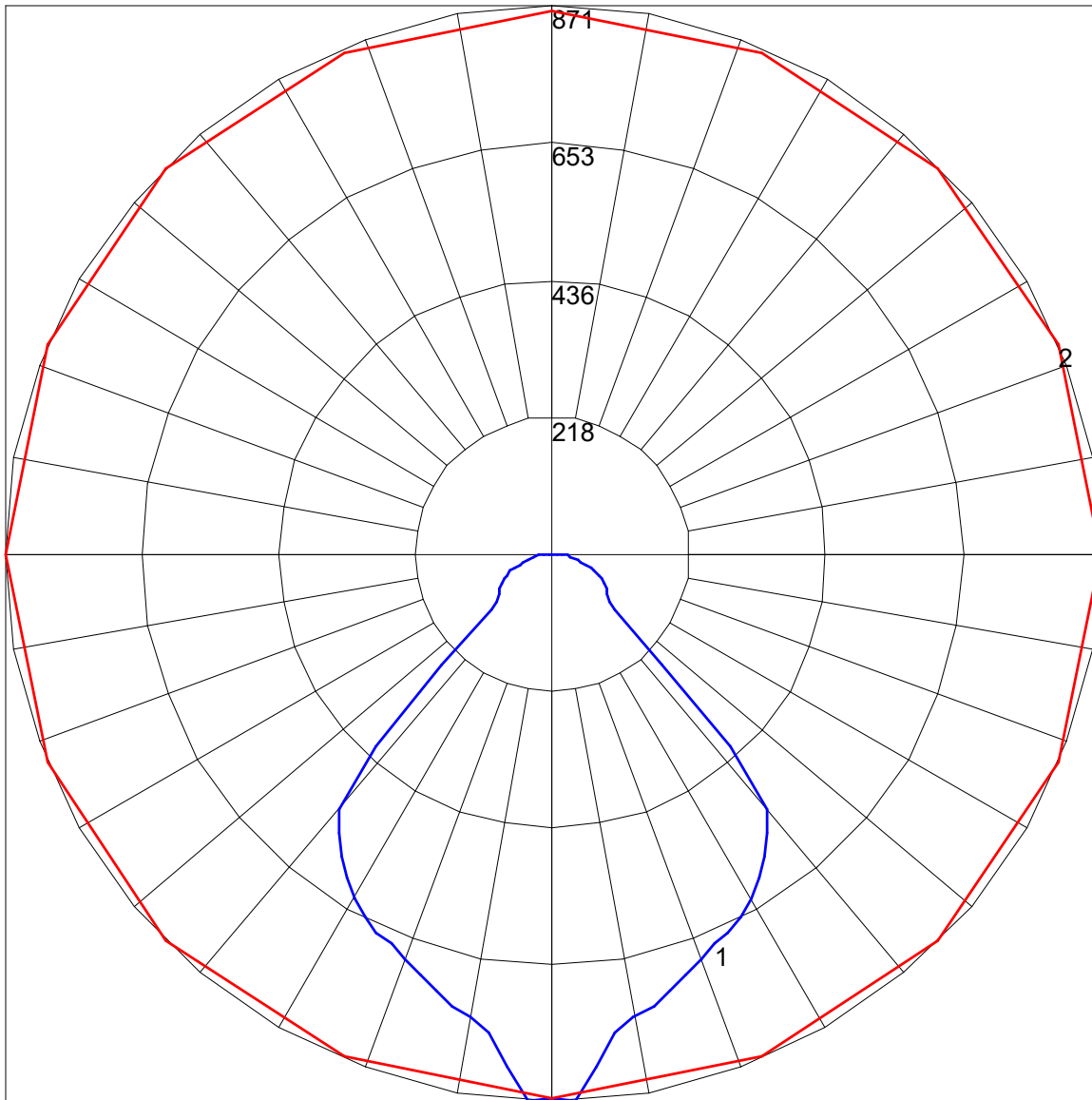
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

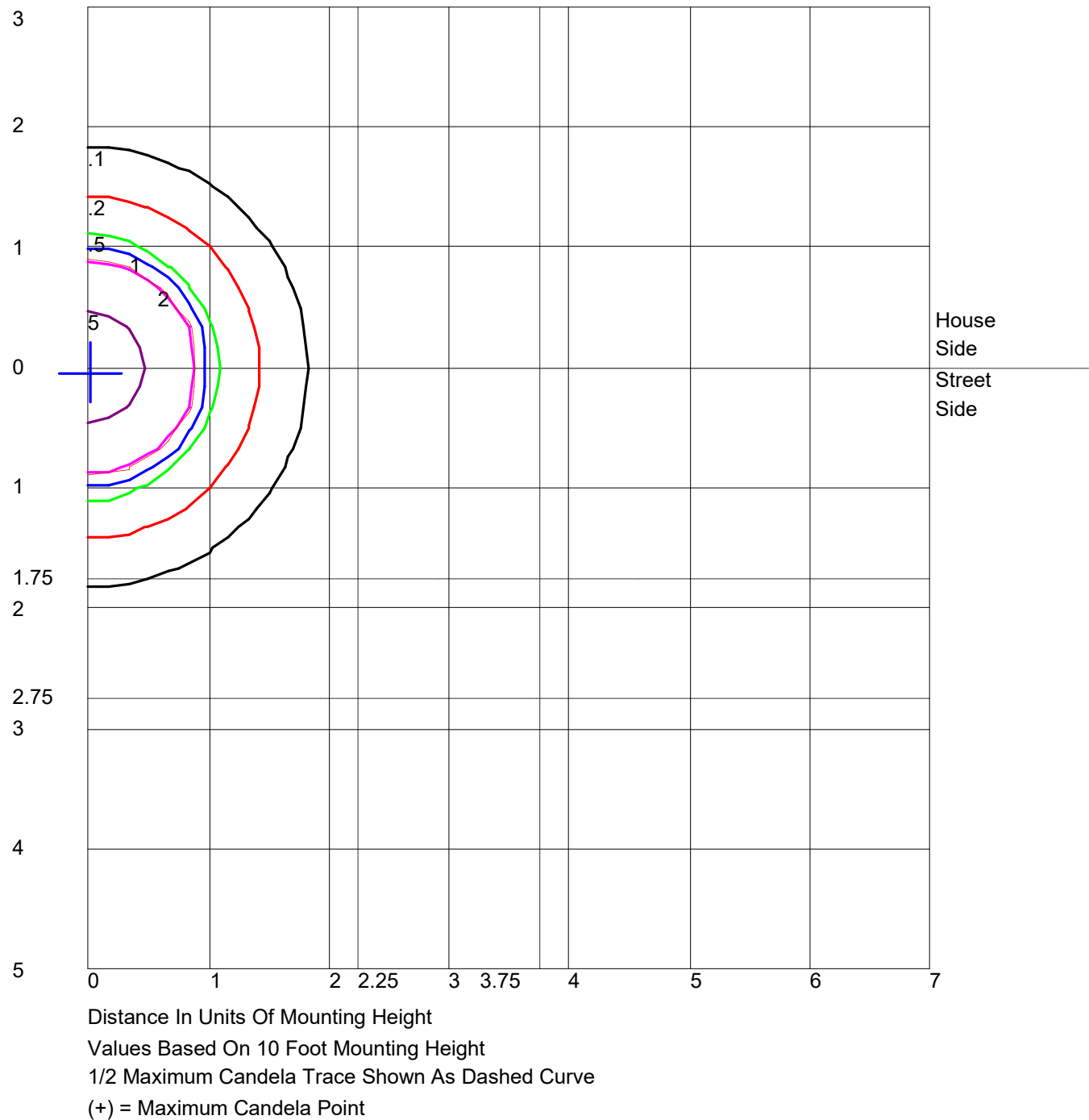
	Lumens	Percent Of Luminaire
Downward Street Side	702.1	50.0
Downward House Side	702.1	50.0
Downward Total	1404.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1404.2	100.0

POLAR GRAPH

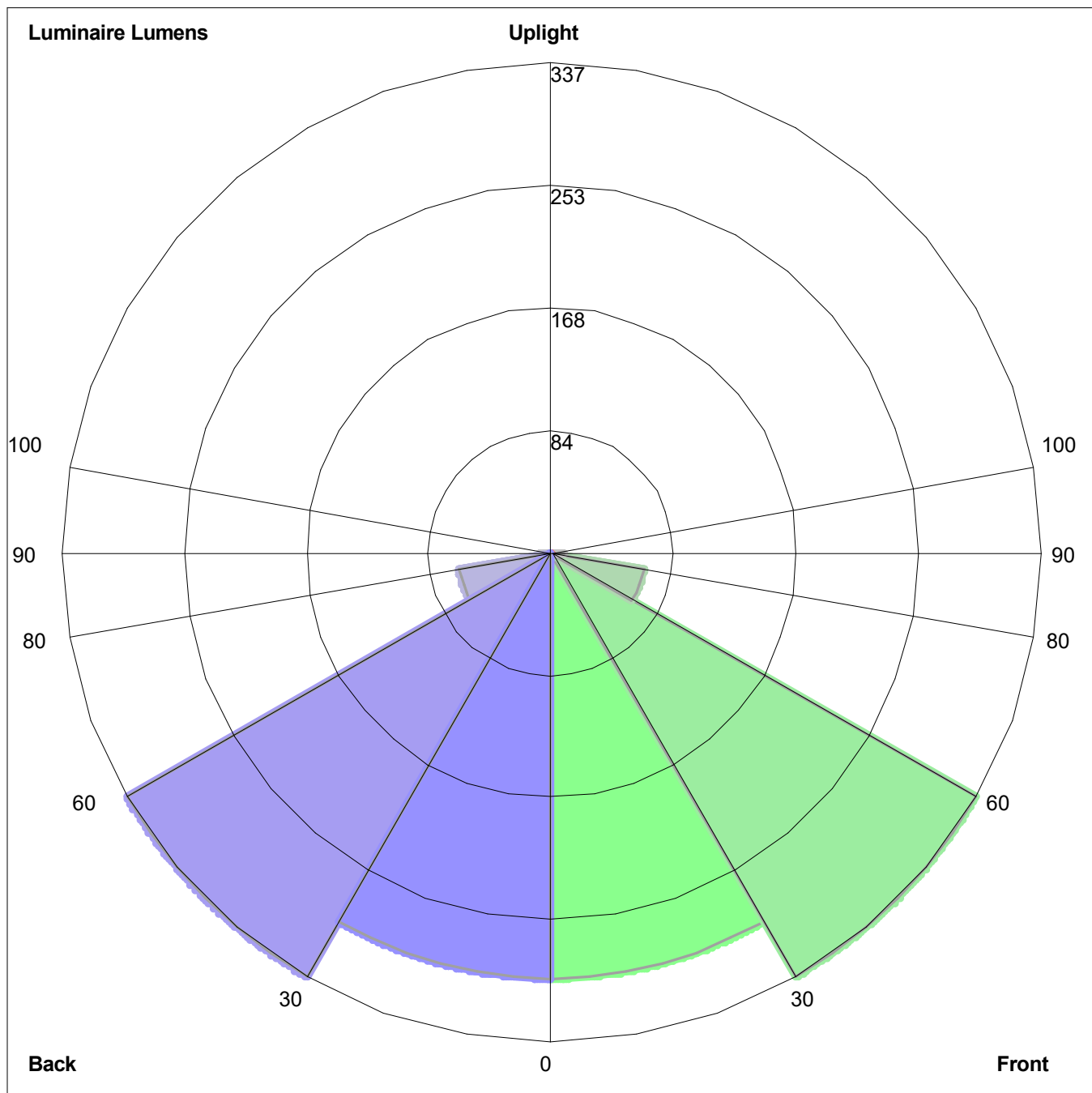


Maximum Candela = 871 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=292.8, Medium=336.8, High=64.6, Very High=7.9
Back: Low=292.8, Medium=336.8, High=64.6, Very High=7.9
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0