



## IES ROAD REPORT

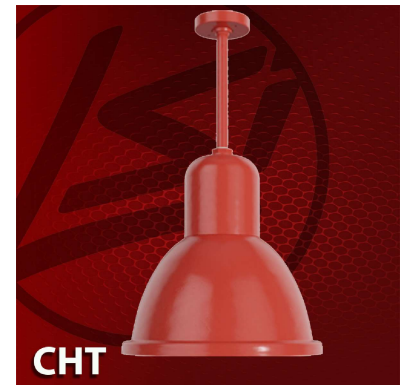
PHOTOMETRIC FILENAME : CHT-12L-50-GWT.IES

### 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-12L-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	1028
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	638
Maximum Candela Angle	22.5H 2.5V
Maximum Candela (<90 Degrees Vertical)	638
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	23 (2.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

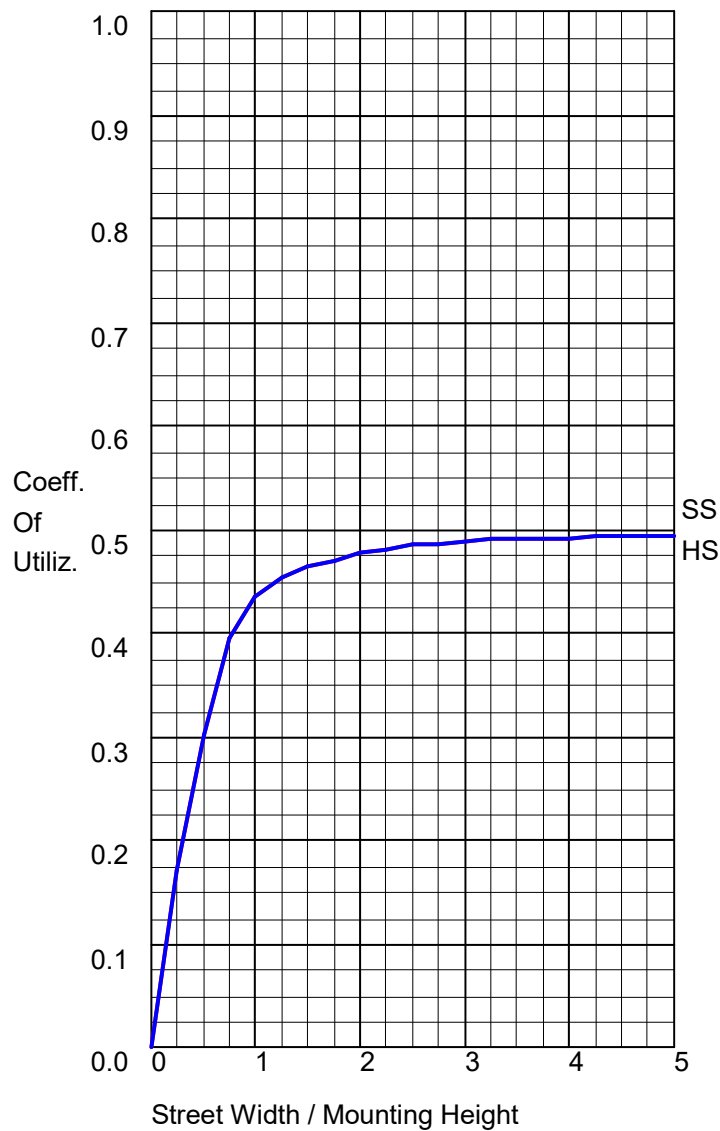
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	214.4	N.A.	20.9
FM - Front-Medium (30-60)	246.6	N.A.	24.0
FH - Front-High (60-80)	47.3	N.A.	4.6
FVH - Front-Very High (80-90)	5.7	N.A.	0.6
BL - Back-Low (0-30)	214.4	N.A.	20.9
BM - Back-Medium (30-60)	246.6	N.A.	24.0
BH - Back-High (60-80)	47.3	N.A.	4.6
BVH - Back-Very High (80-90)	5.7	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	1028.0	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	635	635	635	635	635
2.5	638	638	636	633	633
5.0	604	600	593	590	589
7.5	569	564	562	563	563
10.0	555	549	552	552	553
12.5	546	542	545	546	546
15.0	533	529	530	531	531
17.5	517	514	514	515	515
20.0	504	503	503	504	504
22.5	493	493	494	494	493
25.0	486	486	486	486	487
27.5	475	476	476	479	481
30.0	468	464	465	466	467
32.5	453	449	448	450	449
35.0	434	430	428	430	430
37.5	413	411	410	411	411
40.0	387	387	388	390	391
42.5	287	306	326	344	349
45.0	181	182	168	151	141
47.5	99	99	100	101	101
50.0	87	87	86	85	85
52.5	79	79	79	79	79
55.0	76	76	76	76	76
57.5	72	73	73	72	72
60.0	69	68	69	68	68
62.5	64	64	64	64	64
65.0	59	59	59	59	59
67.5	53	53	53	53	53
70.0	47	47	47	47	47
72.5	41	41	41	41	41
75.0	35	35	35	35	35
77.5	29	29	29	28	28
80.0	23	22	22	22	22
82.5	16	16	16	16	16
85.0	10	10	10	10	10
87.5	5	5	5	5	5
90.0	0	0	0	0	0

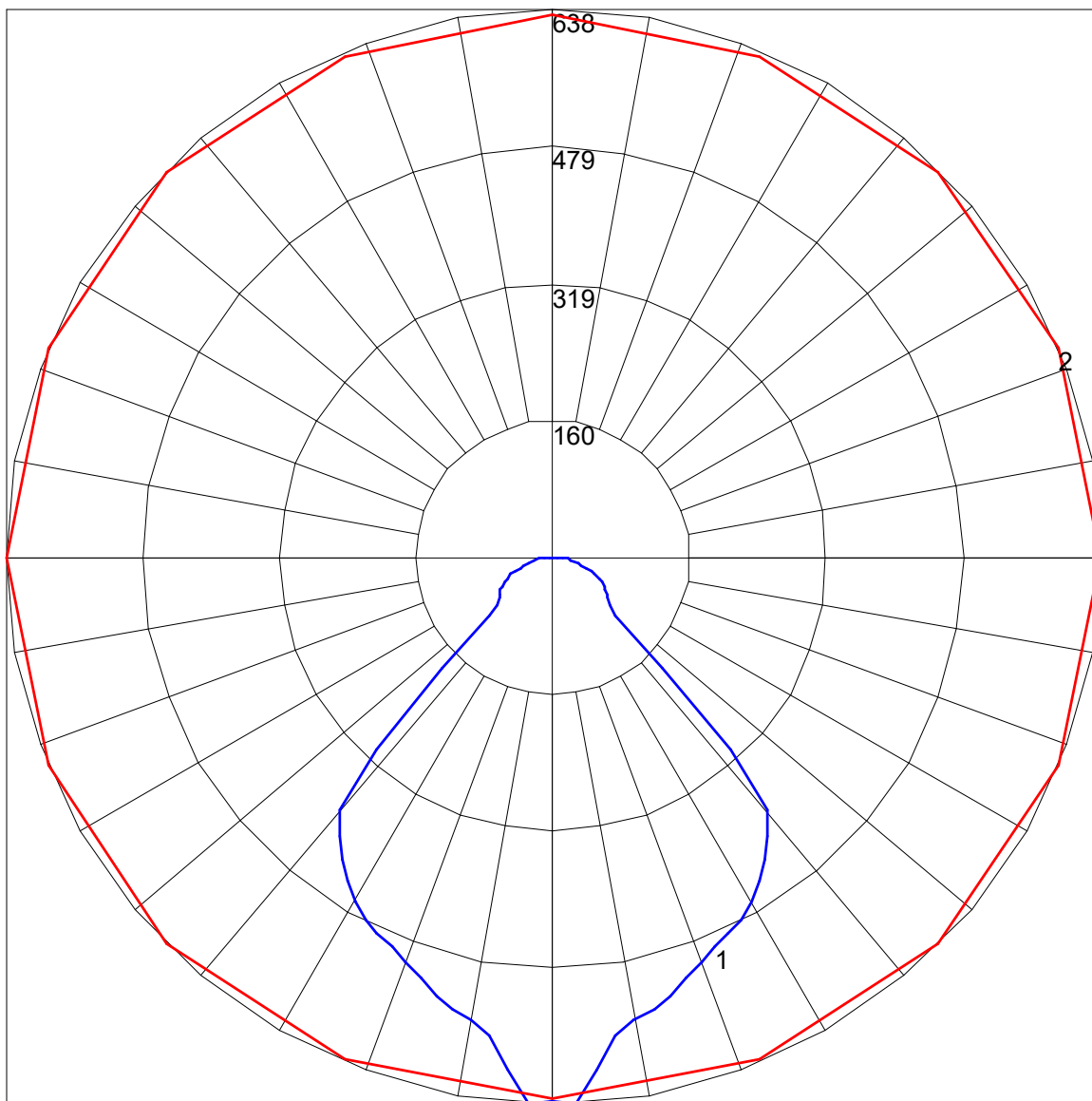
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

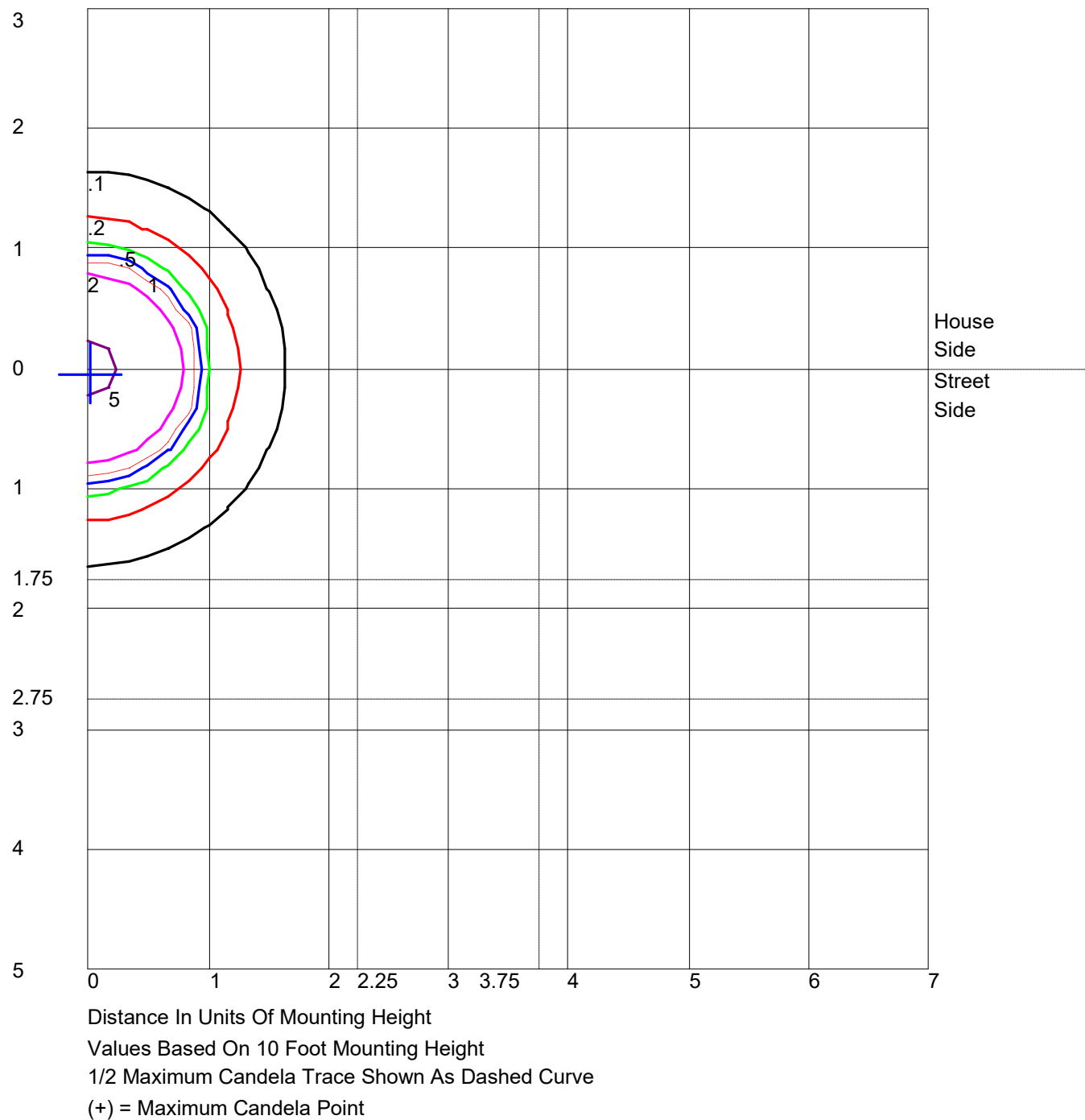
	Lumens	Percent Of Luminaire
Downward Street Side	514.0	50.0
Downward House Side	514.0	50.0
Downward Total	1028.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1028.0	100.0

POLAR GRAPH

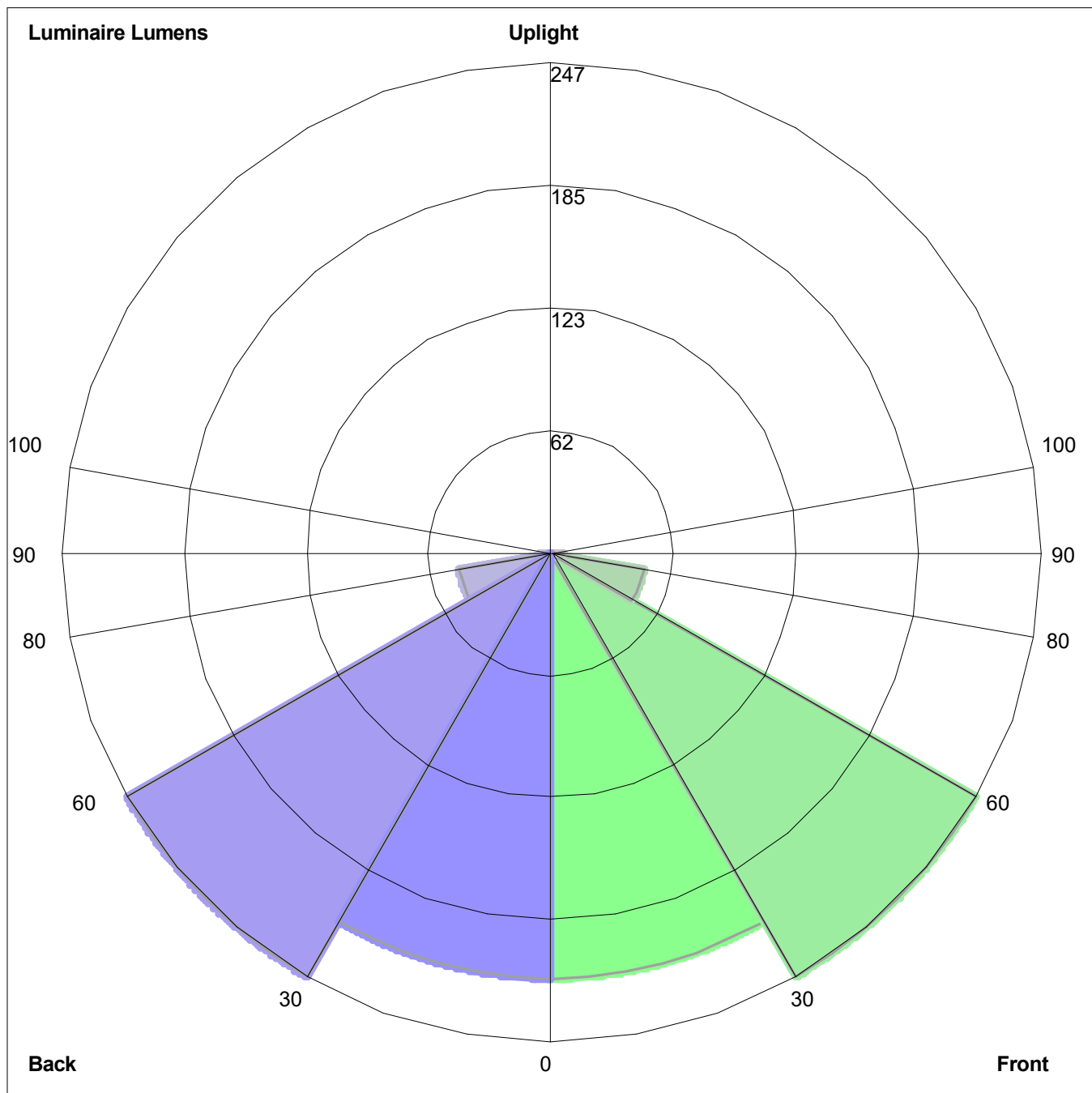


Maximum Candela = 638 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=214.4, Medium=246.6, High=47.3, Very High=5.7  
Back: Low=214.4, Medium=246.6, High=47.3, Very High=5.7  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0