



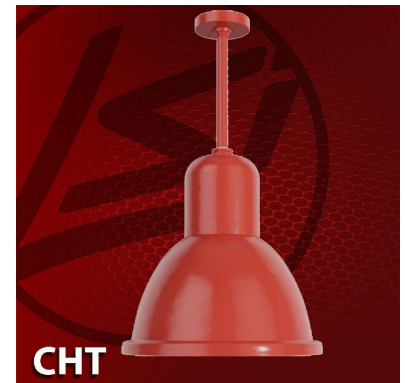
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CHT-17L-35-GWT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11994
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 7/31/2020
[TEST DATE] 07/13/20
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMEN CATEGORY] CHT-17L-35-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_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1407
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	12.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.50 ft (Diameter)
Luminous Width (90-270)	1.50 ft (Diameter)
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2134	1979	1661
55	1103	1103	1103
65	1166	1166	1166
75	1129	1129	1129
85	978	978	978

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	869	869	869	869	869
2.5	873	873	870	866	866
5.0	827	821	812	808	806
7.5	779	772	769	771	771
10.0	760	751	756	756	757
12.5	747	742	746	747	747
15.0	730	724	725	727	727
17.5	708	703	703	705	705
20.0	690	688	688	690	690
22.5	675	675	676	676	675
25.0	665	665	665	665	667
27.5	650	651	651	656	658
30.0	641	635	636	638	639
32.5	620	615	613	616	615
35.0	594	589	586	589	589
37.5	565	563	561	563	563
40.0	530	530	531	534	535
42.5	393	419	446	471	478
45.0	248	249	230	207	193
47.5	135	135	137	138	138
50.0	119	119	118	116	116
52.5	108	108	108	108	108
55.0	104	104	104	104	104
57.5	99	100	100	99	99
60.0	94	93	94	93	93
62.5	88	88	88	88	88
65.0	81	81	81	81	81
67.5	73	73	73	73	73
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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	280.14	N.A.	19.90
0-30	586.92	N.A.	41.70
0-40	954.94	N.A.	67.90
0-60	1262.01	N.A.	89.70
0-80	1391.6	N.A.	98.90
0-90	1407.4	N.A.	100.00
10-90	1331.6	N.A.	94.60
20-40	674.80	N.A.	47.90
20-50	888.52	N.A.	63.10
40-70	386.46	N.A.	27.50
60-80	129.60	N.A.	9.20
70-80	50.20	N.A.	3.60
80-90	15.80	N.A.	1.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1407.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.81
10-20	204.34
20-30	306.78
30-40	368.02
40-50	213.72
50-60	93.35
60-70	79.39
70-80	50.20
80-90	15.80
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

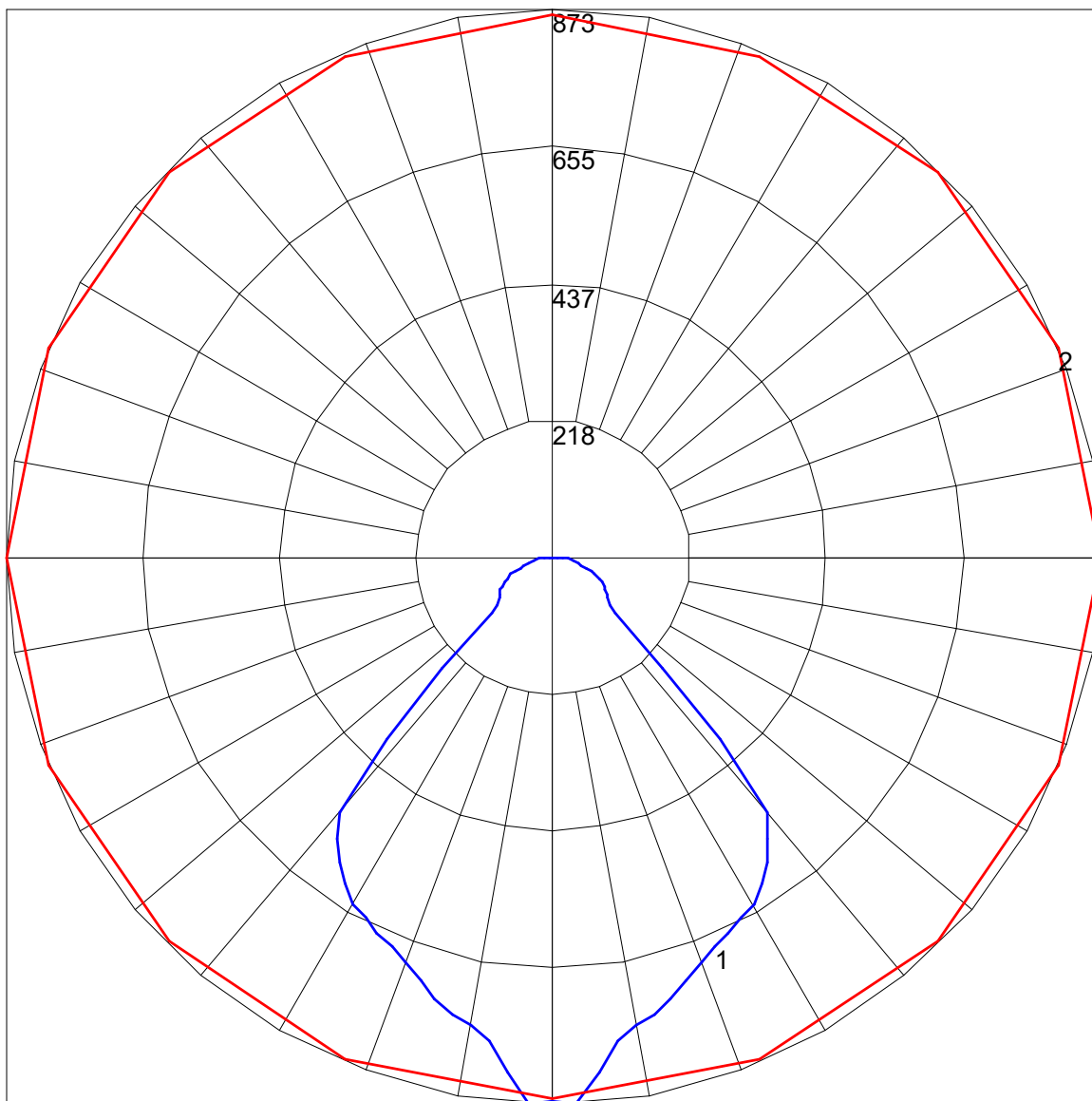
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78
3	96	87	80	75	93	85	79	74	83	77	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	65	61	57	55
6	78	66	58	53	76	65	58	53	63	57	52	62	56	52	60	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45
8	68	56	49	43	67	55	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	51	44	40	50	44	40	49	44	39	48	43	39	38
10	60	48	41	37	59	48	41	36	47	41	36	46	40	36	45	40	36	35

POLAR GRAPH



Maximum Candela = 873 Located At Horizontal Angle = 0, Vertical Angle = 2.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)