



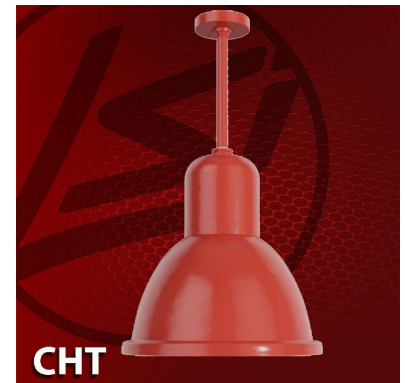
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CHT-17L-40-GWT.IES

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
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] CHT-17L-40-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

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1404
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	2126	1971	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	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	279.52	N.A.	19.90
0-30	585.69	N.A.	41.70
0-40	952.80	N.A.	67.90
0-60	1259.3	N.A.	89.70
0-80	1388.4	N.A.	98.90
0-90	1404.2	N.A.	100.00
10-90	1328.56	N.A.	94.60
20-40	673.28	N.A.	47.90
20-50	886.57	N.A.	63.10
40-70	385.40	N.A.	27.40
60-80	129.10	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	1404.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.64
10-20	203.89
20-30	306.17
30-40	367.11
40-50	213.30
50-60	93.20
60-70	78.90
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

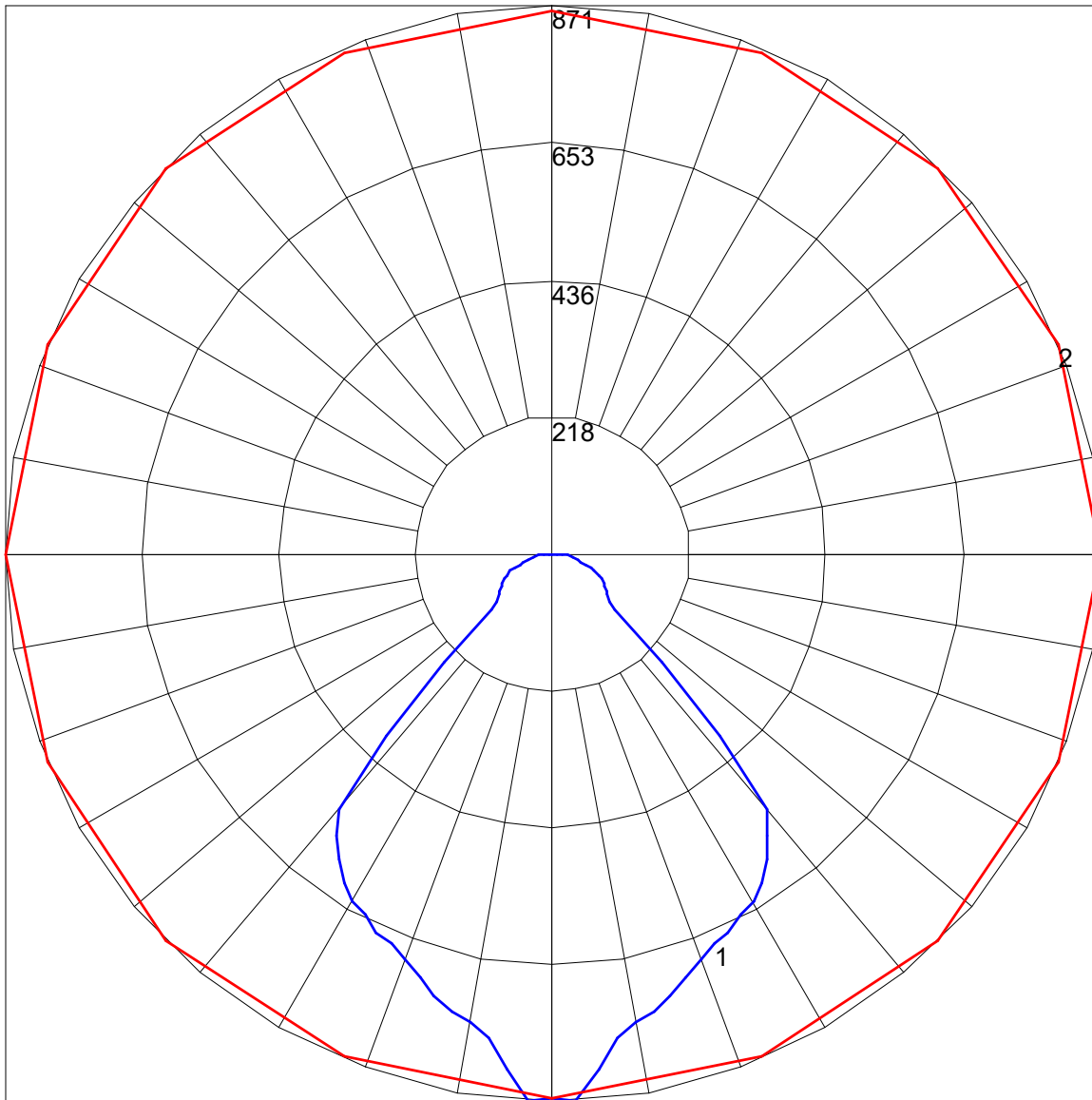
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 871 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.)