



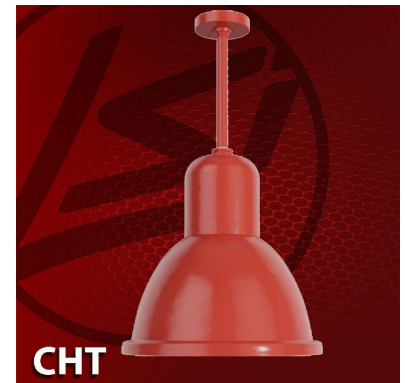
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CHT-12L-35-GWT.IES

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
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] CHT-12L-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1030
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	9.3
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	1558	1446	1213
55	806	806	806
65	850	850	850
75	823	823	823
85	698	698	698

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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	636	636	636	636	636
2.5	639	639	637	634	634
5.0	605	601	594	591	590
7.5	570	565	563	564	564
10.0	556	550	553	553	554
12.5	547	543	546	547	547
15.0	534	530	531	532	532
17.5	518	515	515	516	516
20.0	505	504	504	505	505
22.5	494	494	495	495	494
25.0	487	487	487	487	488
27.5	476	477	477	480	482
30.0	469	465	466	467	468
32.5	454	450	449	451	450
35.0	435	431	429	431	431
37.5	414	412	411	412	412
40.0	388	388	389	391	392
42.5	288	307	327	345	350
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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	205.06	N.A.	19.90
0-30	429.70	N.A.	41.70
0-40	699.13	N.A.	67.90
0-60	923.76	N.A.	89.70
0-80	1018.33	N.A.	98.90
0-90	1029.77	N.A.	100.00
10-90	974.30	N.A.	94.60
20-40	494.06	N.A.	48.00
20-50	650.49	N.A.	63.20
40-70	282.48	N.A.	27.40
60-80	94.57	N.A.	9.20
70-80	36.72	N.A.	3.60
80-90	11.44	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	1029.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.47
10-20	149.59
20-30	224.64
30-40	269.43
40-50	156.43
50-60	68.20
60-70	57.85
70-80	36.72
80-90	11.44
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

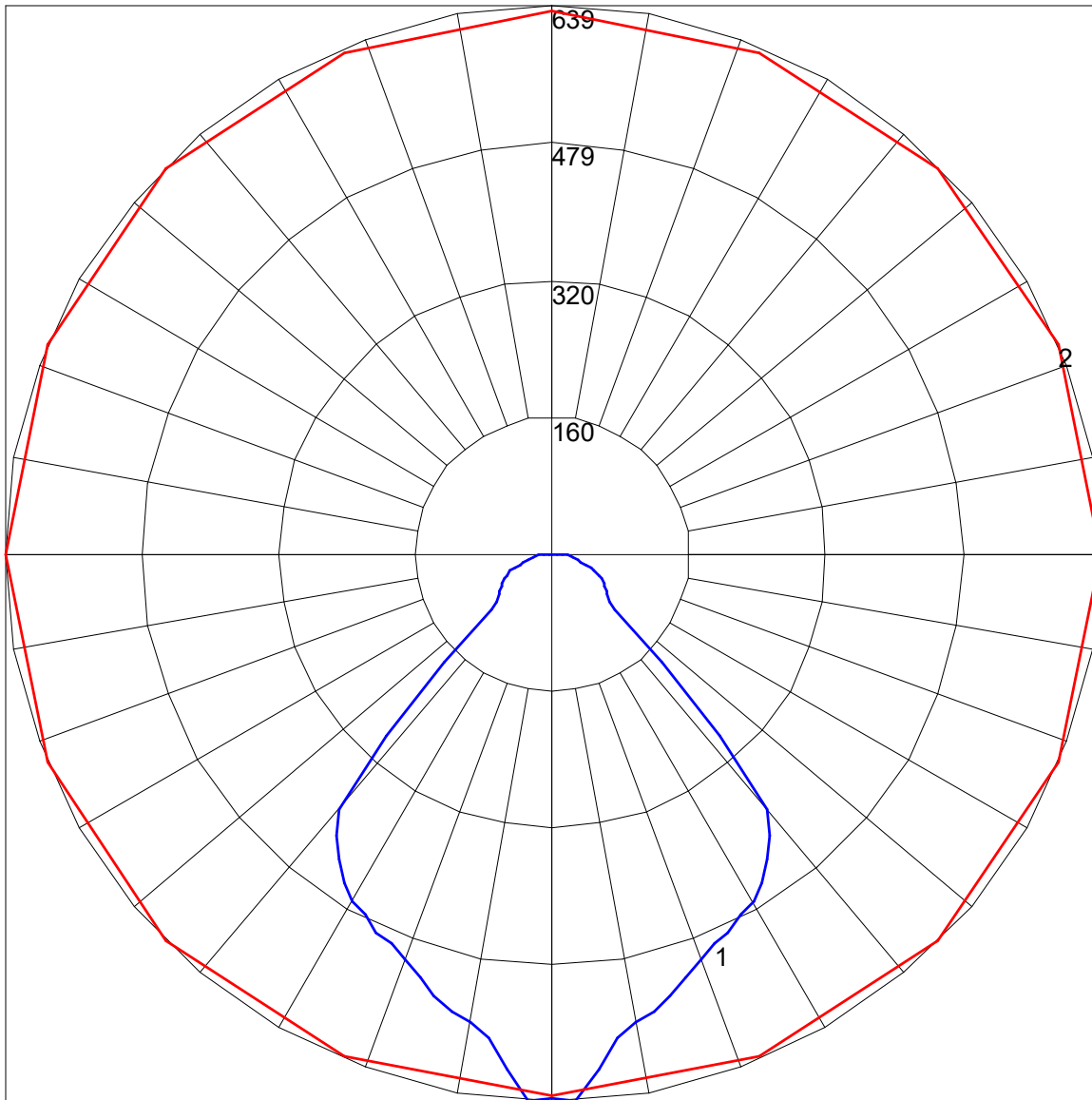
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 639 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.)