



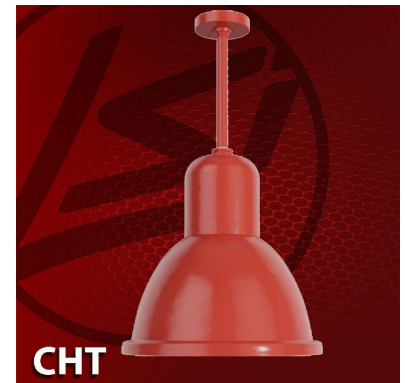
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CHT-15L-30-GWT.IES

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.
[LUMCAT] CHT-15L-30-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	1397
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	10.9
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	2117	1962	1652
55	1093	1093	1093
65	1152	1152	1152
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	863	863	863	863	863
2.5	867	867	864	860	860
5.0	821	815	806	802	800
7.5	773	766	764	765	765
10.0	754	746	750	750	751
12.5	742	737	741	742	742
15.0	724	719	720	722	722
17.5	703	699	699	700	700
20.0	685	684	684	685	685
22.5	670	670	671	671	670
25.0	660	660	660	660	662
27.5	646	647	647	651	654
30.0	636	631	632	633	635
32.5	616	610	609	612	610
35.0	590	584	582	584	584
37.5	561	559	557	559	559
40.0	526	526	527	530	531
42.5	390	416	443	467	474
45.0	246	247	228	205	192
47.5	135	135	136	137	137
50.0	118	118	117	116	116
52.5	107	107	107	107	107
55.0	103	103	103	103	103
57.5	98	99	99	98	98
60.0	94	92	94	92	92
62.5	87	87	87	87	87
65.0	80	80	80	80	80
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	39	39	39	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	278.20	N.A.	19.90
0-30	582.83	N.A.	41.70
0-40	948.16	N.A.	67.90
0-60	1252.87	N.A.	89.70
0-80	1381.48	N.A.	98.90
0-90	1397.27	N.A.	100.00
10-90	1322.03	N.A.	94.60
20-40	669.96	N.A.	47.90
20-50	882.13	N.A.	63.10
40-70	383.28	N.A.	27.40
60-80	128.61	N.A.	9.20
70-80	50.04	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	1397.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.25
10-20	202.95
20-30	304.63
30-40	365.33
40-50	212.18
50-60	92.53
60-70	78.57
70-80	50.04
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

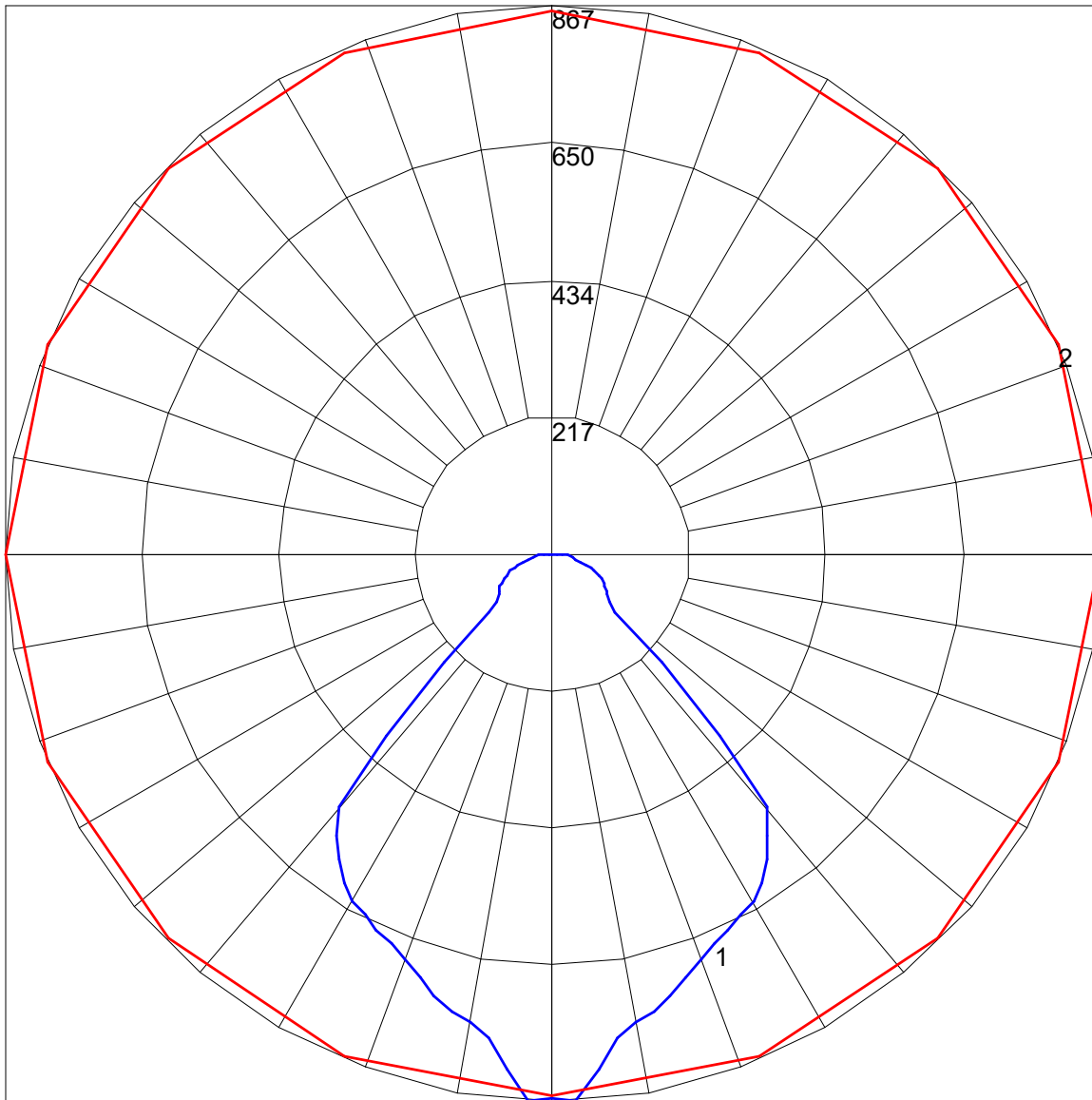
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 867 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.)