



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CHT-15L-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
 [MANUFACTURER] LSI INDUSTRIES, INC.
 [LUMEN CATEGORY] CHT-15L-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_SOURCE TYPE] LED
 [SEARCH_APPLICATION] Indoor
 [SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1242
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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	1885	1747	1463
55	976	976	976
65	1022	1022	1022
75	988	988	988
85	838	838	838

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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	767	767	767	767	767
2.5	771	771	768	765	765
5.0	730	725	716	713	712
7.5	687	681	679	680	680
10.0	671	663	667	667	668
12.5	660	655	658	660	660
15.0	644	639	640	642	642
17.5	625	621	621	622	622
20.0	609	608	608	609	609
22.5	596	596	597	597	596
25.0	587	587	587	587	588
27.5	574	575	575	579	581
30.0	565	561	562	563	564
32.5	547	542	541	544	542
35.0	524	520	517	520	520
37.5	499	497	495	497	497
40.0	468	468	469	471	472
42.5	347	370	394	416	422
45.0	219	220	203	182	170
47.5	120	120	121	122	122
50.0	105	105	104	103	103
52.5	95	95	95	95	95
55.0	92	92	92	92	92
57.5	87	88	88	87	87
60.0	83	82	83	82	82
62.5	77	77	77	77	77
65.0	71	71	71	71	71
67.5	64	64	64	64	64
70.0	57	57	57	57	57
72.5	50	50	50	50	50
75.0	42	42	42	42	42
77.5	35	35	35	34	34
80.0	28	27	27	27	27
82.5	19	19	19	19	19
85.0	12	12	12	12	12
87.5	6	6	6	6	6
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	247.30	N.A.	19.90
0-30	518.16	N.A.	41.70
0-40	842.98	N.A.	67.90
0-60	1114.03	N.A.	89.70
0-80	1228.27	N.A.	98.90
0-90	1242.03	N.A.	100.00
10-90	1175.13	N.A.	94.60
20-40	595.67	N.A.	48.00
20-50	784.43	N.A.	63.20
40-70	340.80	N.A.	27.40
60-80	114.24	N.A.	9.20
70-80	44.50	N.A.	3.60
80-90	13.76	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	1242.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	66.90
10-20	180.40
20-30	270.86
30-40	324.81
40-50	188.75
50-60	82.31
60-70	69.74
70-80	44.50
80-90	13.76
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

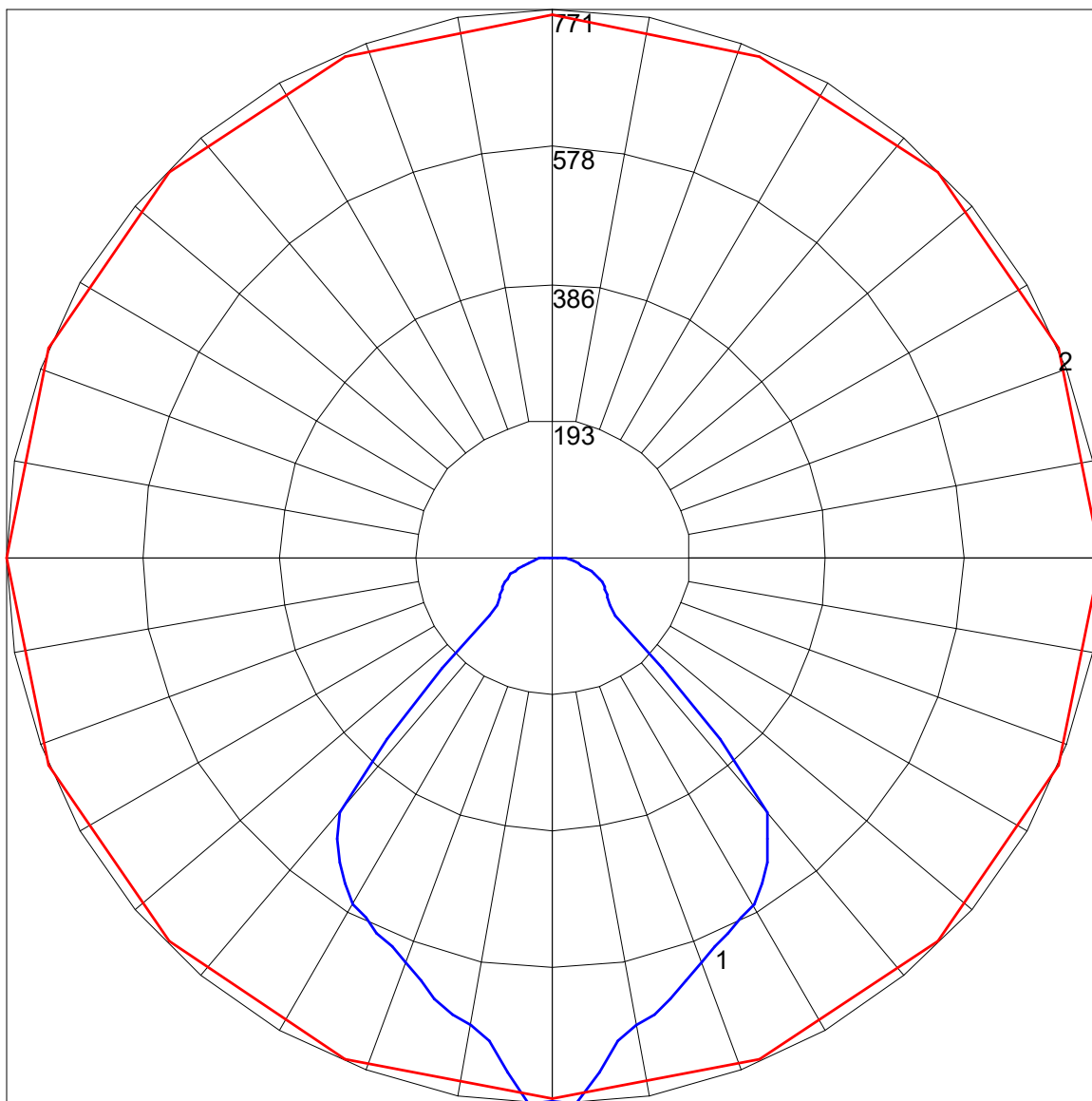
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 771 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.)