



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CHT-15L-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-15L-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	1244
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	1472
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	768	768	768	768	768
2.5	772	772	770	766	766
5.0	731	726	718	714	713
7.5	689	683	680	681	681
10.0	672	664	668	668	669
12.5	661	656	660	661	661
15.0	645	640	641	643	643
17.5	626	622	622	623	623
20.0	610	609	609	610	610
22.5	597	597	598	598	597
25.0	588	588	588	588	589
27.5	575	576	576	580	582
30.0	566	561	563	564	565
32.5	548	543	542	545	543
35.0	525	520	518	520	520
37.5	500	497	496	497	497
40.0	468	468	470	472	473
42.5	347	370	394	416	422
45.0	219	220	203	183	171
47.5	120	120	121	122	122
50.0	105	105	104	103	103
52.5	96	96	96	96	96
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	247.72	N.A.	19.90
0-30	519.03	N.A.	41.70
0-40	844.21	N.A.	67.90
0-60	1115.62	N.A.	89.70
0-80	1229.86	N.A.	98.90
0-90	1243.61	N.A.	100.00
10-90	1176.6	N.A.	94.60
20-40	596.49	N.A.	48.00
20-50	785.38	N.A.	63.20
40-70	341.15	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	1243.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	67.02
10-20	180.70
20-30	271.31
30-40	325.19
40-50	188.88
50-60	82.52
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

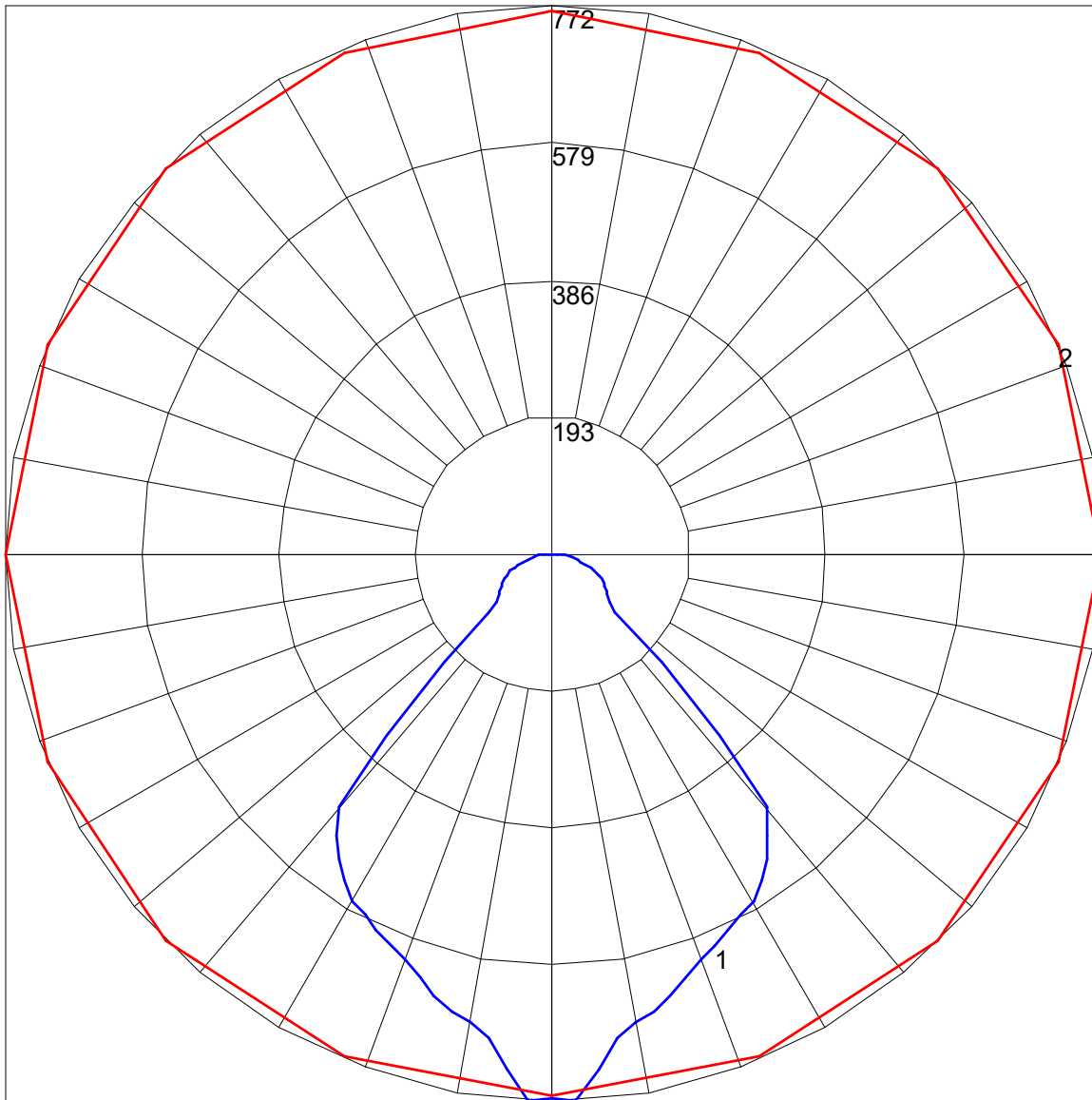
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 772 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.)