



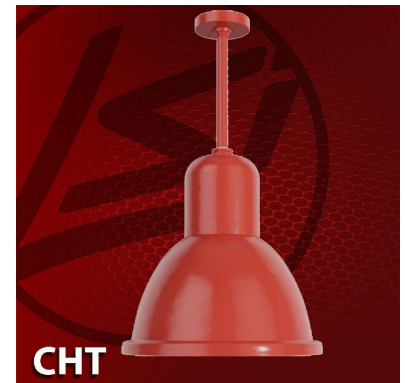
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CHT-12L-30-GWT.IES

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
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] CHT-12L-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	1157
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	1756	1627	1368
55	912	912	912
65	950	950	950
75	917	917	917
85	768	768	768

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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	715	715	715	715	715
2.5	718	718	716	712	712
5.0	680	675	667	664	663
7.5	640	635	633	634	634
10.0	625	618	621	621	622
12.5	615	610	613	615	615
15.0	600	595	597	598	598
17.5	582	578	578	580	580
20.0	567	566	566	567	567
22.5	555	555	556	556	555
25.0	547	547	547	547	548
27.5	535	536	536	539	541
30.0	527	522	523	524	526
32.5	510	505	504	506	505
35.0	488	484	482	484	484
37.5	465	463	461	463	463
40.0	436	436	437	439	440
42.5	323	344	367	387	393
45.0	204	205	189	170	159
47.5	111	111	113	114	114
50.0	98	98	97	96	96
52.5	89	89	89	89	89
55.0	86	86	86	86	86
57.5	81	82	82	81	81
60.0	78	77	78	77	77
62.5	72	72	72	72	72
65.0	66	66	66	66	66
67.5	60	60	60	60	60
70.0	53	53	53	53	53
72.5	46	46	46	46	46
75.0	39	39	39	39	39
77.5	33	33	33	32	32
80.0	26	25	25	25	25
82.5	18	18	18	18	18
85.0	11	11	11	11	11
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	230.37	N.A.	19.90
0-30	482.68	N.A.	41.70
0-40	785.21	N.A.	67.80
0-60	1037.95	N.A.	89.70
0-80	1144.44	N.A.	98.90
0-90	1157.39	N.A.	100.00
10-90	1095.06	N.A.	94.60
20-40	554.84	N.A.	47.90
20-50	730.65	N.A.	63.10
40-70	317.90	N.A.	27.50
60-80	106.49	N.A.	9.20
70-80	41.33	N.A.	3.60
80-90	12.94	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	1157.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	62.33
10-20	168.04
20-30	252.30
30-40	302.53
40-50	175.81
50-60	76.93
60-70	65.16
70-80	41.33
80-90	12.94
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

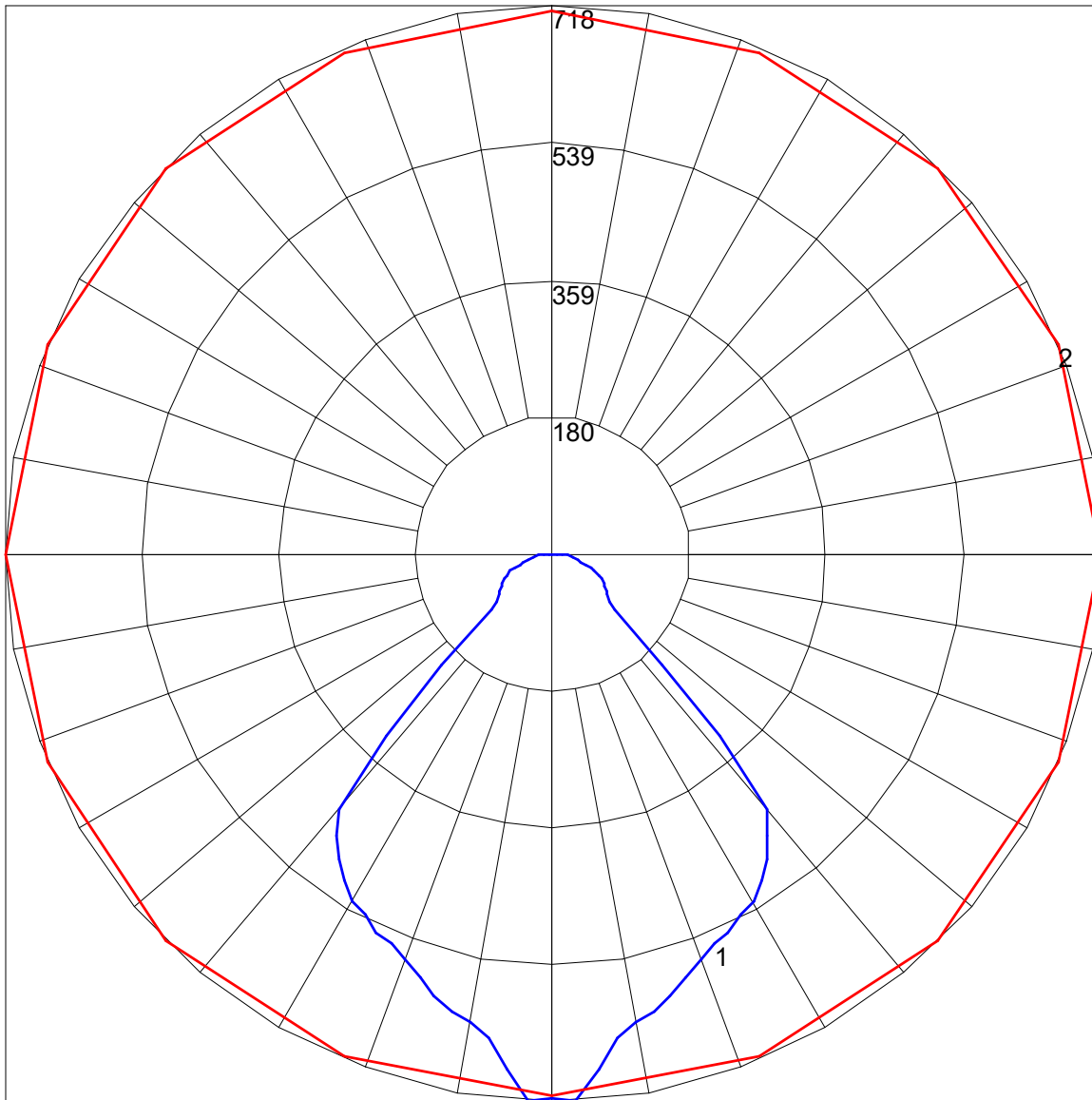
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	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	86	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 = 718 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.)