



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CHT-17L-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-17L-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	1580
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	12.8
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	2392	2220	1868
55	1241	1241	1241
65	1310	1310	1310
75	1270	1270	1270
85	1047	1047	1047

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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	976	976	976	976	976
2.5	981	981	978	973	973
5.0	928	922	911	907	905
7.5	875	867	864	865	865
10.0	853	844	848	848	850
12.5	839	833	838	839	839
15.0	819	813	815	816	816
17.5	795	790	790	792	792
20.0	775	773	773	775	775
22.5	758	758	759	759	758
25.0	747	747	747	747	749
27.5	730	732	732	736	739
30.0	719	713	715	716	718
32.5	696	690	689	692	690
35.0	667	661	658	661	661
37.5	635	632	630	632	632
40.0	595	595	596	599	601
42.5	441	470	501	529	536
45.0	278	280	258	232	217
47.5	152	152	154	155	155
50.0	134	134	132	131	131
52.5	121	121	121	121	121
55.0	117	117	117	117	117
57.5	111	112	112	111	111
60.0	106	105	106	105	105
62.5	98	98	98	98	98
65.0	91	91	91	91	91
67.5	81	81	81	81	81
70.0	72	72	72	72	72
72.5	63	63	63	63	63
75.0	54	54	54	54	54
77.5	45	45	45	43	43
80.0	35	34	34	34	34
82.5	25	25	25	25	25
85.0	15	15	15	15	15
87.5	8	8	8	8	8
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	314.61	N.A.	19.90
0-30	659.19	N.A.	41.70
0-40	1072.38	N.A.	67.90
0-60	1417.21	N.A.	89.70
0-80	1562.54	N.A.	98.90
0-90	1580.24	N.A.	100.00
10-90	1495.13	N.A.	94.60
20-40	757.77	N.A.	48.00
20-50	997.75	N.A.	63.10
40-70	433.63	N.A.	27.40
60-80	145.33	N.A.	9.20
70-80	56.54	N.A.	3.60
80-90	17.70	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	1580.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	85.11
10-20	229.50
20-30	344.58
30-40	413.19
40-50	239.98
50-60	104.85
60-70	88.80
70-80	56.54
80-90	17.70
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

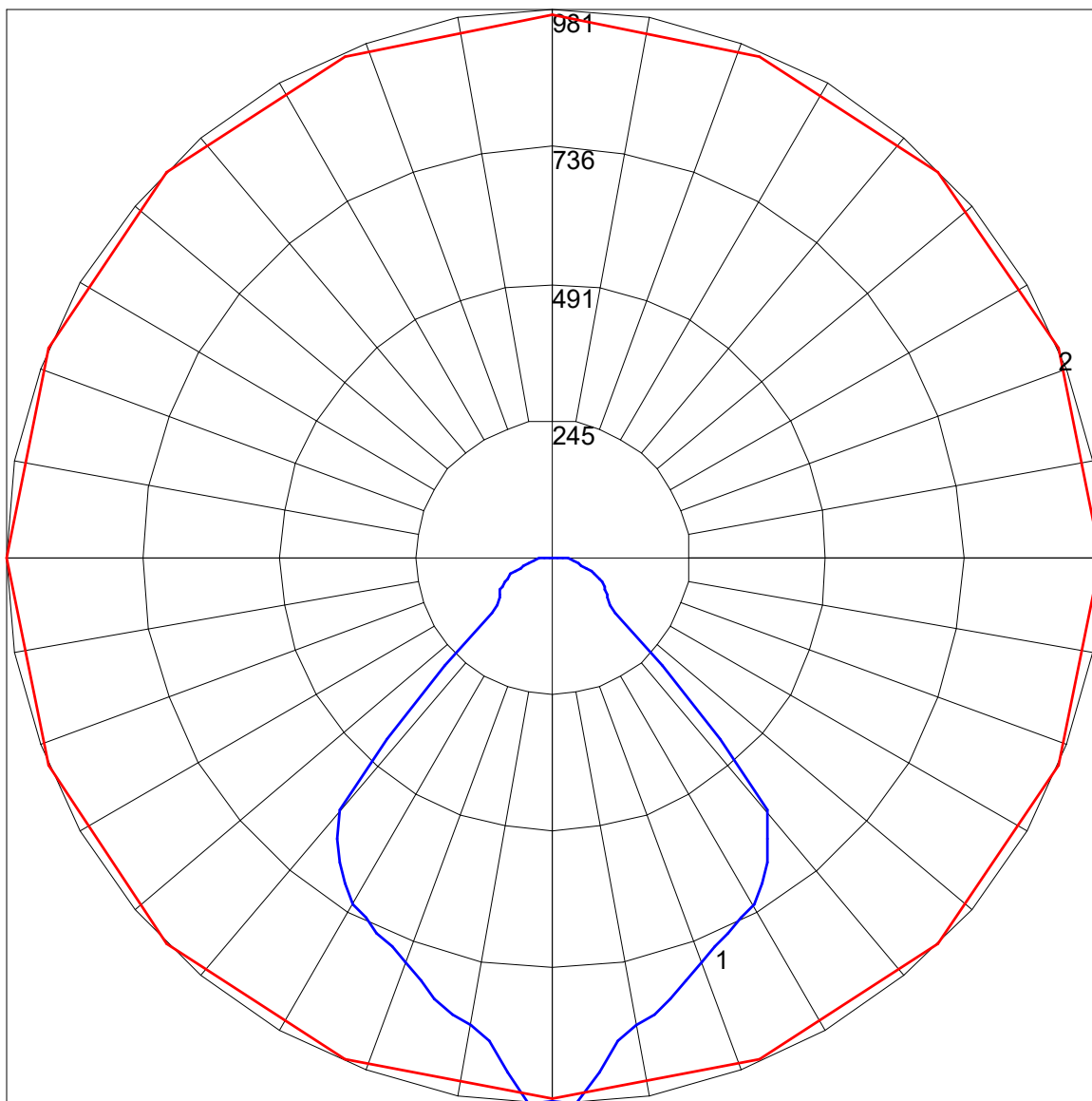
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 981 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.)