



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CHT-17L-27-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-27-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	1419
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
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	2152	1997	1678
55	1114	1114	1114
65	1166	1166	1166
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	877	877	877	877	877
2.5	881	881	878	874	874
5.0	834	828	819	814	813
7.5	785	779	776	777	777
10.0	766	758	762	762	763
12.5	754	748	752	754	754
15.0	736	730	732	733	733
17.5	714	710	710	711	711
20.0	696	694	694	696	696
22.5	681	681	682	682	681
25.0	671	671	671	671	672
27.5	656	657	657	661	664
30.0	646	640	642	643	645
32.5	625	620	618	621	620
35.0	599	594	591	594	594
37.5	570	567	566	567	567
40.0	534	534	536	538	540
42.5	396	422	450	475	482
45.0	250	251	232	208	195
47.5	137	137	138	139	139
50.0	120	120	119	117	117
52.5	109	109	109	109	109
55.0	105	105	105	105	105
57.5	99	101	101	99	99
60.0	95	94	95	94	94
62.5	88	88	88	88	88
65.0	81	81	81	81	81
67.5	73	73	73	73	73
70.0	65	65	65	65	65
72.5	57	57	57	57	57
75.0	48	48	48	48	48
77.5	40	40	40	39	39
80.0	32	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	282.58	N.A.	19.90
0-30	592.05	N.A.	41.70
0-40	963.08	N.A.	67.90
0-60	1272.72	N.A.	89.70
0-80	1403.07	N.A.	98.90
0-90	1418.88	N.A.	100.00
10-90	1342.43	N.A.	94.60
20-40	680.50	N.A.	48.00
20-50	896.01	N.A.	63.10
40-70	389.27	N.A.	27.40
60-80	130.35	N.A.	9.20
70-80	50.71	N.A.	3.60
80-90	15.81	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	1418.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	76.45
10-20	206.13
20-30	309.47
30-40	371.03
40-50	215.50
50-60	94.13
60-70	79.64
70-80	50.71
80-90	15.81
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

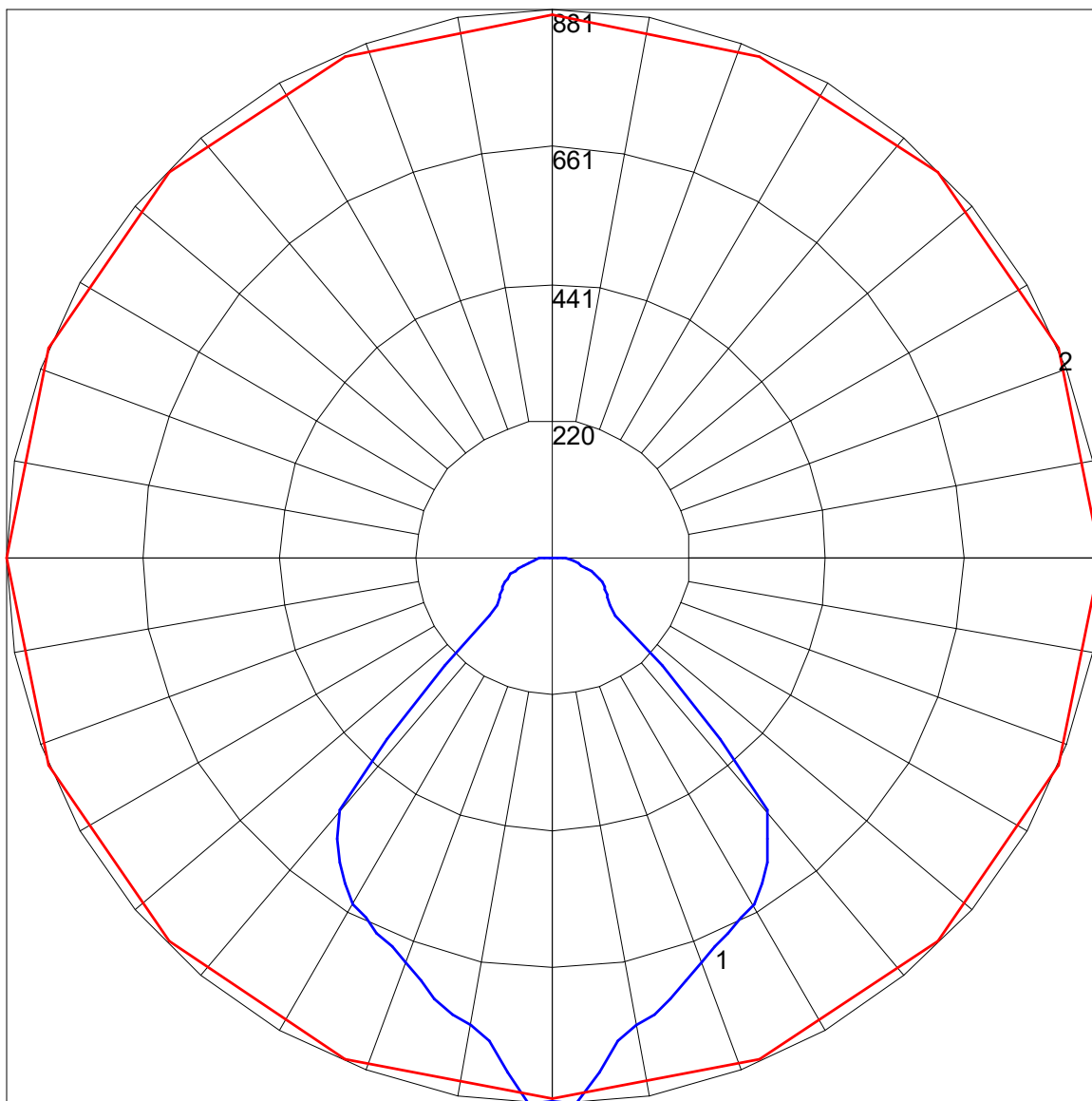
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 881 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.)