



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AHB-48L-850.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12862
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/07/22
[TEST DATE] 07/07/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] AHB-48L-850
[MORE] TESTED M. BOYER/REVIEWED: B. BLAKE
[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_COLORTEMP] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	46285
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	353
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.93 ft
Luminous Width (90-270)	1.25 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	33005	31899	31463
55	23895	20002	17919
65	18953	17518	13431
75	15808	18472	17567
85	24012	22957	23308

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AHB-48L-850.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	20687	20687	20687	20687	20687
2.5	20556	20745	20692	20649	20625
5.0	20544	20781	20723	20673	20657
7.5	20584	20798	20734	20676	20637
10.0	20490	20697	20613	20568	20501
12.5	20417	20625	20571	20483	20445
15.0	20304	20502	20407	20326	20282
17.5	20140	20354	20243	20152	20125
20.0	19949	20114	20010	19888	19832
22.5	19670	19817	19696	19588	19515
25.0	19352	19464	19371	19214	19125
27.5	18917	19019	18940	18768	18633
30.0	18414	18489	18358	18198	18069
32.5	17723	17767	17684	17477	17293
35.0	16872	16825	16735	16543	16304
37.5	15580	15546	15489	15355	15059
40.0	14066	13949	13909	13875	13584
42.5	12273	12111	12057	12151	11901
45.0	10661	10244	10304	10582	10163
47.5	9358	8402	8752	9254	8350
50.0	8209	6751	7341	8086	6861
52.5	7196	5445	6159	7025	5705
55.0	6261	4476	5241	6091	4695
57.5	5389	3729	4543	5338	3907
60.0	4711	3199	4040	4706	3288
62.5	4155	2865	3670	4154	2838
65.0	3659	2705	3382	3682	2593
67.5	3158	2665	3146	3237	2490
70.0	2676	2628	2883	2827	2441
72.5	2227	2485	2550	2441	2321
75.0	1869	2221	2184	2096	2077
77.5	1676	1874	1856	1818	1780
80.0	1571	1522	1578	1599	1487
82.5	1327	1243	1294	1360	1226
85.0	956	921	914	991	928
87.5	501	533	507	501	505
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AHB-48L-850.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	7734.01	N.A.	16.70
0-30	16624.34	N.A.	35.90
0-40	26906.69	N.A.	58.10
0-60	39836.3	N.A.	86.10
0-80	45325.26	N.A.	97.90
0-90	46284.74	N.A.	100.00
10-90	44311.41	N.A.	95.70
20-40	19172.68	N.A.	41.40
20-50	27228.09	N.A.	58.80
40-70	16171.02	N.A.	34.90
60-80	5488.96	N.A.	11.90
70-80	2247.55	N.A.	4.90
80-90	959.48	N.A.	2.10
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	46284.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1973.33
10-20	5760.68
20-30	8890.33
30-40	10282.35
40-50	8055.41
50-60	4874.2
60-70	3241.41
70-80	2247.55
80-90	959.48
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

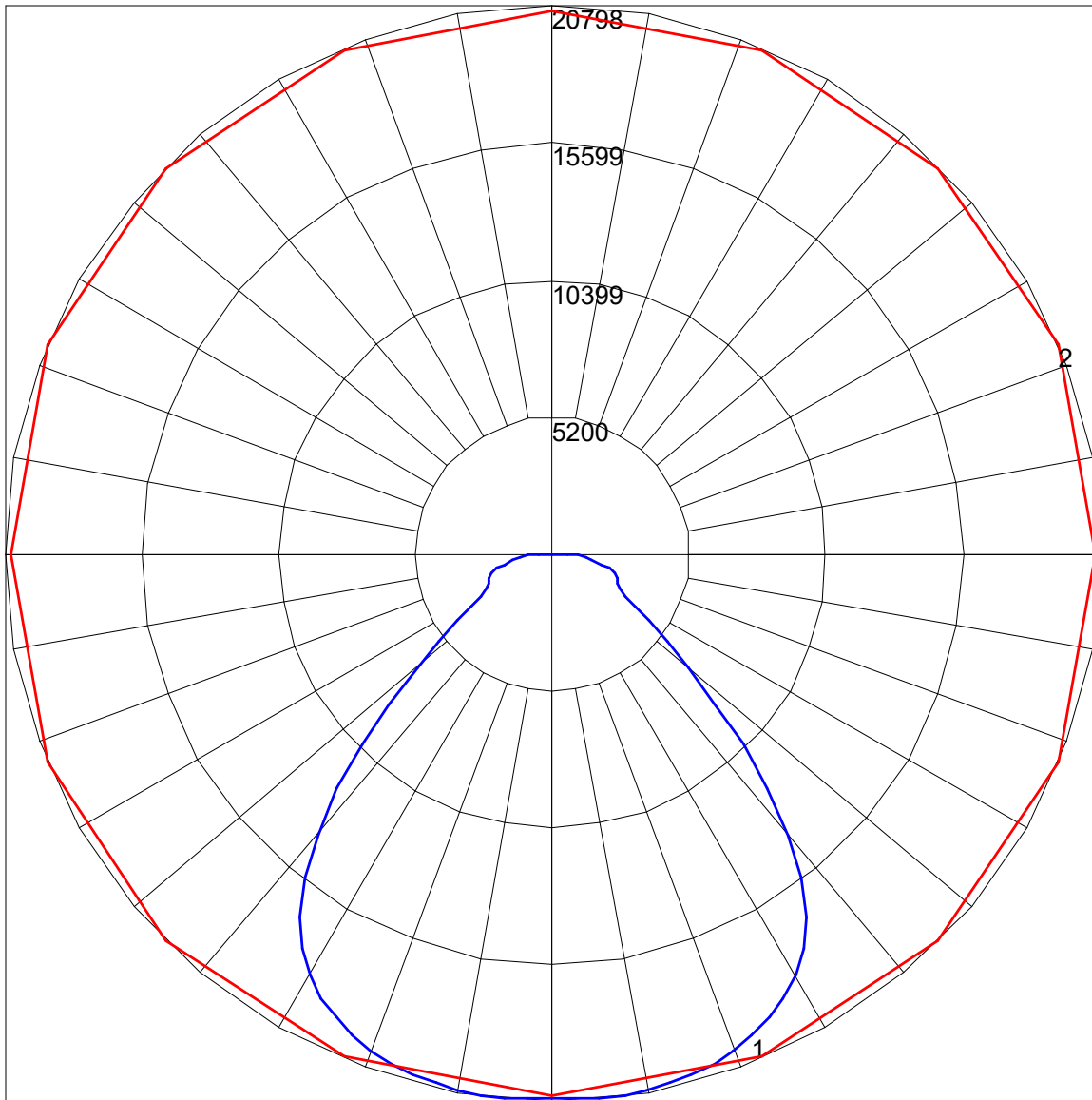
IES INDOOR REPORT
PHOTOMETRIC FILENAME : AHB-48L-850.IES

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65
4	86	75	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59	57
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	54	48	60	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36
9	61	48	41	35	59	48	40	35	47	40	35	46	39	35	45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30

POLAR GRAPH



Maximum Candela = 20798 Located At Horizontal Angle = 22.5, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)