



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AHB-18L-850.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12468
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/07/22
[TEST DATE] 01/27/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] AHB-18L-850
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_COLORTEMP] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17049
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	128
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.10 ft
Luminous Width (90-270)	0.99 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	33138	31236	26847
55	21860	15196	12977
65	11530	13659	11089
75	11651	12111	14409
85	11514	14006	13532

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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	7676	7676	7676	7676	7676
2.5	7619	7702	7703	7711	7683
5.0	7625	7708	7706	7715	7688
7.5	7619	7702	7706	7710	7683
10.0	7600	7682	7684	7691	7662
12.5	7568	7648	7648	7653	7625
15.0	7518	7600	7599	7600	7568
17.5	7455	7531	7530	7528	7497
20.0	7374	7448	7446	7440	7414
22.5	7271	7354	7345	7336	7316
25.0	7157	7245	7229	7220	7202
27.5	7023	7113	7094	7080	7069
30.0	6864	6961	6930	6906	6910
32.5	6673	6773	6743	6702	6714
35.0	6433	6530	6510	6469	6481
37.5	6125	6205	6208	6165	6143
40.0	5707	5742	5754	5648	5529
42.5	5154	5048	5073	4856	4587
45.0	4530	4148	4270	4184	3670
47.5	3867	3279	3440	3574	2926
50.0	3290	2587	2704	3022	2337
52.5	2816	2015	2114	2542	1851
55.0	2424	1590	1685	2136	1439
57.5	2065	1296	1416	1791	1159
60.0	1670	1139	1262	1502	1002
62.5	1281	1086	1179	1237	943
65.0	942	1047	1116	993	906
67.5	691	958	1019	786	806
70.0	559	857	903	674	712
72.5	533	775	761	609	727
75.0	583	700	606	551	721
77.5	562	585	474	488	616
80.0	460	447	368	394	485
82.5	314	327	295	309	363
85.0	194	227	236	237	228
87.5	112	127	137	125	93
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2876.99	N.A.	16.90
0-30	6203.96	N.A.	36.40
0-40	10226.23	N.A.	60.00
0-60	15152.39	N.A.	88.90
0-80	16810.26	N.A.	98.60
0-90	17049.27	N.A.	100.00
10-90	16315.38	N.A.	95.70
20-40	7349.24	N.A.	43.10
20-50	10569.64	N.A.	62.00
40-70	5937.64	N.A.	34.80
60-80	1657.87	N.A.	9.70
70-80	646.38	N.A.	3.80
80-90	239.01	N.A.	1.40
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	17049.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	733.89
10-20	2143.1
20-30	3326.97
30-40	4022.28
40-50	3220.4
50-60	1705.76
60-70	1011.48
70-80	646.38
80-90	239.01
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

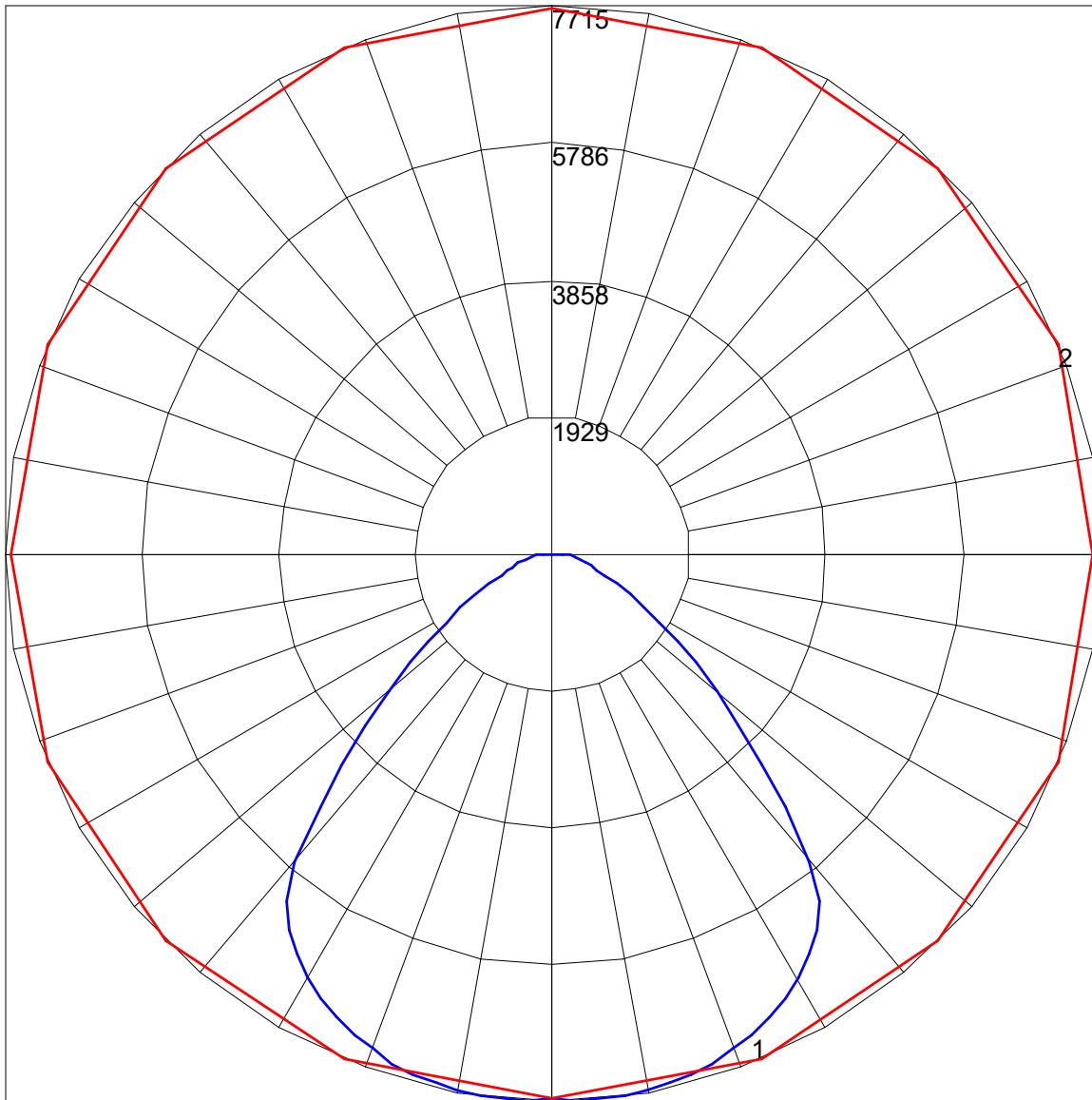
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	47	43	41
8	66	53	45	40	64	52	45	40	51	44	40	50	44	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31

POLAR GRAPH



Maximum Candela = 7715 Located At Horizontal Angle = 67.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)