



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AHB-18L-840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12467
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/07/22
[TEST DATE] 01/27/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] AHB-18L-840
[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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17170
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	128
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
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	33108	31616	27329
55	21968	15223	13112
65	11358	13561	11175
75	11452	12411	14250
85	11276	14303	13472

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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	7733	7733	7733	7733	7733
2.5	7692	7755	7756	7766	7738
5.0	7699	7762	7759	7770	7742
7.5	7693	7753	7755	7766	7737
10.0	7672	7733	7736	7745	7720
12.5	7637	7697	7701	7708	7684
15.0	7587	7646	7649	7653	7628
17.5	7516	7579	7576	7578	7553
20.0	7433	7497	7487	7489	7465
22.5	7334	7403	7387	7387	7361
25.0	7216	7292	7272	7261	7249
27.5	7084	7161	7135	7117	7103
30.0	6926	7006	6977	6942	6942
32.5	6738	6825	6786	6738	6750
35.0	6506	6592	6555	6505	6516
37.5	6215	6277	6254	6209	6195
40.0	5798	5833	5829	5708	5594
42.5	5240	5107	5113	4901	4652
45.0	4526	4167	4322	4217	3736
47.5	3869	3298	3490	3597	2978
50.0	3288	2594	2699	3049	2350
52.5	2816	2028	2111	2557	1863
55.0	2436	1580	1688	2165	1454
57.5	2098	1283	1405	1805	1157
60.0	1743	1122	1244	1516	998
62.5	1287	1067	1167	1263	934
65.0	928	1049	1108	1017	913
67.5	675	973	1024	801	818
70.0	524	852	906	679	728
72.5	502	780	769	603	724
75.0	573	723	621	547	713
77.5	616	604	487	490	608
80.0	480	448	369	400	492
82.5	301	328	297	309	365
85.0	190	230	241	234	227
87.5	118	131	141	129	101
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2897.16	N.A.	16.90
0-30	6245.38	N.A.	36.40
0-40	10301.43	N.A.	60.00
0-60	15263.37	N.A.	88.90
0-80	16929.36	N.A.	98.60
0-90	17170.4	N.A.	100.00
10-90	16431.19	N.A.	95.70
20-40	7404.27	N.A.	43.10
20-50	10655.13	N.A.	62.10
40-70	5976.22	N.A.	34.80
60-80	1665.98	N.A.	9.70
70-80	651.71	N.A.	3.80
80-90	241.04	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	17170.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	739.21
10-20	2157.95
20-30	3348.22
30-40	4056.05
40-50	3250.87
50-60	1711.08
60-70	1014.28
70-80	651.71
80-90	241.04
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

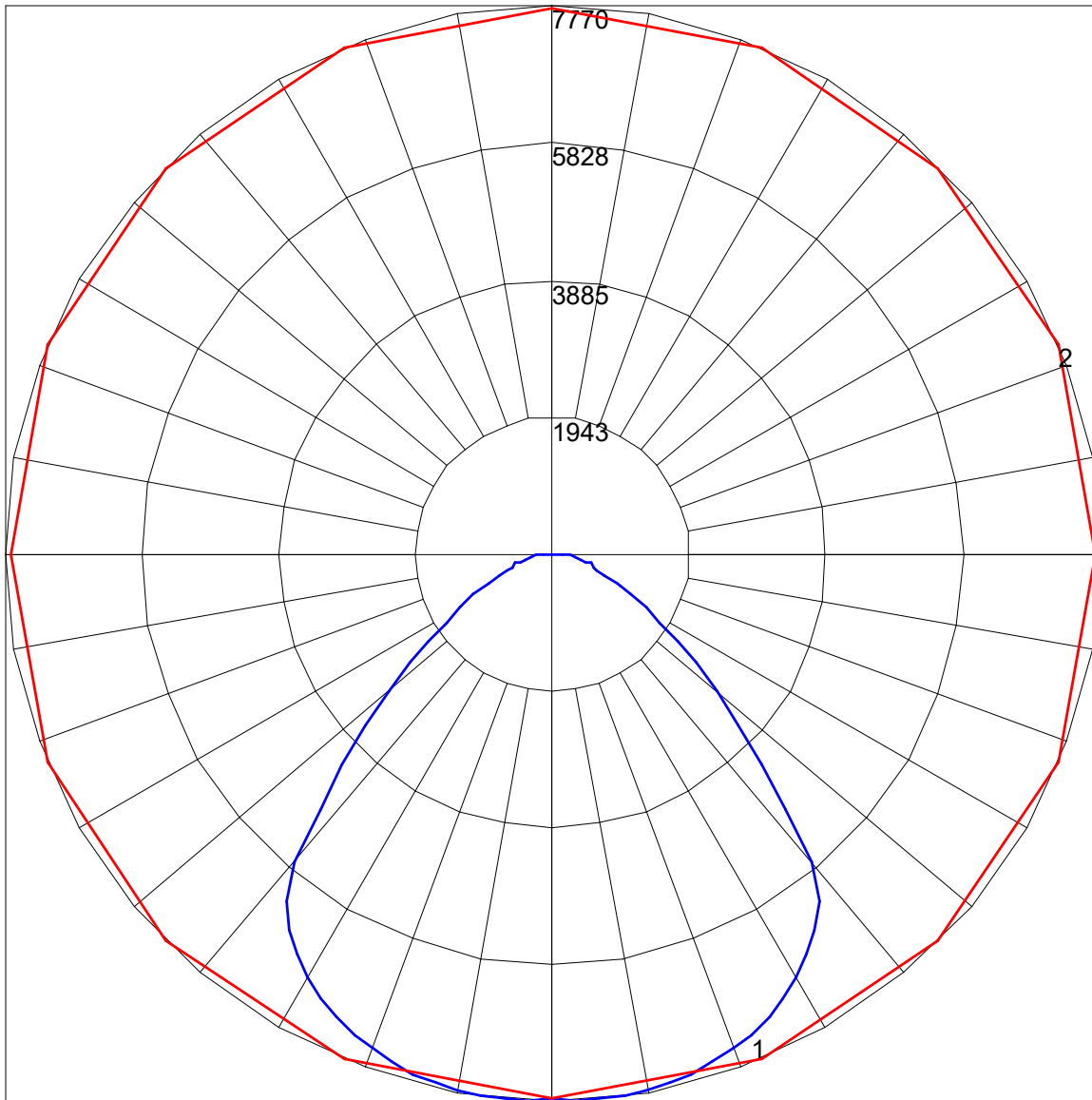
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	53	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 = 7770 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.)