



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AHB-30L-840.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LED-12438  
 [TESTLAB] LSI INDUSTRIES, INC.  
 [ISSUEDATE] 06/07/22  
 [TESTDATE] 01/12/21  
 [MANUFAC] LSI INDUSTRIES, INC.  
 [LUMCAT] AHB-30L-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	28390
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	215
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.10 ft
Luminous Width (90-270)	1.18 ft
Luminous Height	0.00 ft



**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	45416	44409	38542
55	30998	20716	17795
65	15988	18976	15362
75	15543	17321	19685
85	15884	18971	19867

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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	12715	12715	12715	12715	12715
2.5	12630	12734	12766	12773	12741
5.0	12638	12748	12767	12770	12740
7.5	12625	12731	12763	12760	12733
10.0	12595	12700	12727	12731	12704
12.5	12547	12646	12675	12677	12645
15.0	12463	12565	12594	12594	12559
17.5	12356	12454	12482	12471	12438
20.0	12215	12317	12341	12325	12302
22.5	12052	12161	12169	12154	12127
25.0	11866	11980	11979	11966	11942
27.5	11647	11768	11754	11736	11731
30.0	11382	11514	11494	11467	11479
32.5	11061	11223	11186	11149	11182
35.0	10676	10840	10828	10773	10801
37.5	10206	10313	10337	10302	10284
40.0	9551	9605	9650	9583	9451
42.5	8570	8432	8567	8340	7936
45.0	7400	6841	7236	7168	6280
47.5	6362	5376	5837	6071	4976
50.0	5448	4230	4511	5094	3946
52.5	4702	3296	3473	4291	3029
55.0	4097	2551	2738	3596	2352
57.5	3581	2047	2266	3051	1880
60.0	2927	1774	2018	2600	1611
62.5	2218	1718	1912	2136	1534
65.0	1557	1720	1848	1713	1496
67.5	1110	1635	1717	1356	1350
70.0	852	1436	1538	1133	1218
72.5	797	1298	1287	987	1193
75.0	927	1189	1033	909	1174
77.5	1002	999	806	812	1041
80.0	811	759	611	662	844
82.5	522	542	486	523	634
85.0	319	380	381	395	399
87.5	192	211	240	224	177
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4764.9	N.A.	16.80
0-30	10276.95	N.A.	36.20
0-40	16975.45	N.A.	59.80
0-60	25217.54	N.A.	88.80
0-80	27986.54	N.A.	98.60
0-90	28390.25	N.A.	100.00
10-90	27175.18	N.A.	95.70
20-40	12210.54	N.A.	43.00
20-50	17629.35	N.A.	62.10
40-70	9929.57	N.A.	35.00
60-80	2769.00	N.A.	9.80
70-80	1081.52	N.A.	3.80
80-90	403.71	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	28390.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1215.07
10-20	3549.83
20-30	5512.05
30-40	6698.5
40-50	5418.8
50-60	2823.29
60-70	1687.48
70-80	1081.52
80-90	403.71
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

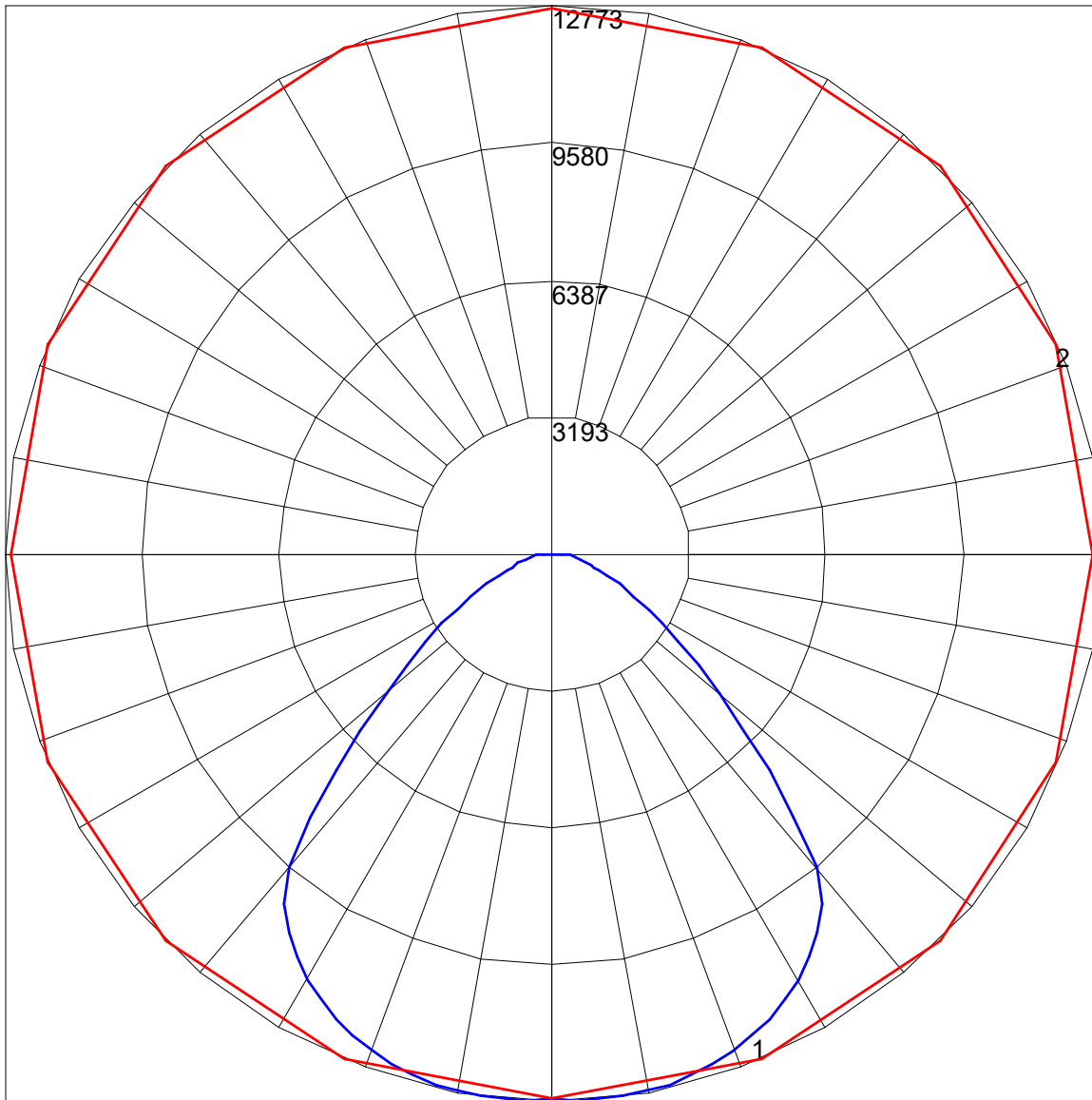
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	70	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	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	54	52
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46
7	70	58	50	44	69	57	49	44	56	49	44	54	48	43	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	56	45	38	33	44	37	33	43	37	33	42	37	33	31

POLAR GRAPH



Maximum Candela = 12773 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)