



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AHB-30L-850.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12478
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 06/07/22
[TESTDATE] 02/10/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] AHB-30L-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	27364
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	215.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.28
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	38119	37278	36732
55	20459	22797	26481
65	15146	20250	21010
75	19802	20909	18176
85	26838	25793	27535

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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	12231	12231	12231	12231	12231
2.5	12157	12256	12276	12285	12248
5.0	12164	12263	12284	12291	12254
7.5	12155	12254	12273	12278	12242
10.0	12130	12229	12247	12249	12208
12.5	12088	12186	12204	12200	12158
15.0	12027	12125	12139	12124	12079
17.5	11946	12040	12048	12024	11975
20.0	11842	11929	11926	11897	11846
22.5	11702	11787	11776	11741	11688
25.0	11530	11611	11593	11546	11493
27.5	11287	11380	11349	11295	11245
30.0	10984	11085	11040	10970	10927
32.5	10585	10698	10620	10518	10510
35.0	10044	10177	10062	9926	9917
37.5	9310	9472	9289	9087	9078
40.0	8409	8540	8306	8052	7905
42.5	7382	7465	7186	6912	6876
45.0	6211	6471	6074	5698	5985
47.5	5028	5604	5048	4649	5242
50.0	4078	4874	4196	3750	4625
52.5	3291	4226	3520	3053	4059
55.0	2704	3671	3013	2515	3500
57.5	2225	3197	2634	2083	3009
60.0	1857	2802	2357	1784	2624
62.5	1606	2486	2147	1601	2316
65.0	1475	2221	1972	1529	2046
67.5	1450	1962	1822	1539	1779
70.0	1445	1687	1665	1543	1510
72.5	1353	1429	1459	1460	1270
75.0	1181	1217	1247	1294	1084
77.5	992	1046	1064	1072	992
80.0	824	934	911	863	941
82.5	695	793	740	706	785
85.0	539	577	518	507	553
87.5	308	307	286	278	285
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4592.11	N.A.	16.80
0-30	9914.05	N.A.	36.20
0-40	16089.17	N.A.	58.80
0-60	23631.84	N.A.	86.40
0-80	26813.26	N.A.	98.00
0-90	27363.76	N.A.	100.00
10-90	26194.67	N.A.	95.70
20-40	11497.06	N.A.	42.00
20-50	16226.07	N.A.	59.30
40-70	9423.94	N.A.	34.40
60-80	3181.42	N.A.	11.60
70-80	1300.15	N.A.	4.80
80-90	550.50	N.A.	2.00
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	27363.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1169.09
10-20	3423.02
20-30	5321.94
30-40	6175.12
40-50	4729.01
50-60	2813.66
60-70	1881.27
70-80	1300.15
80-90	550.50
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

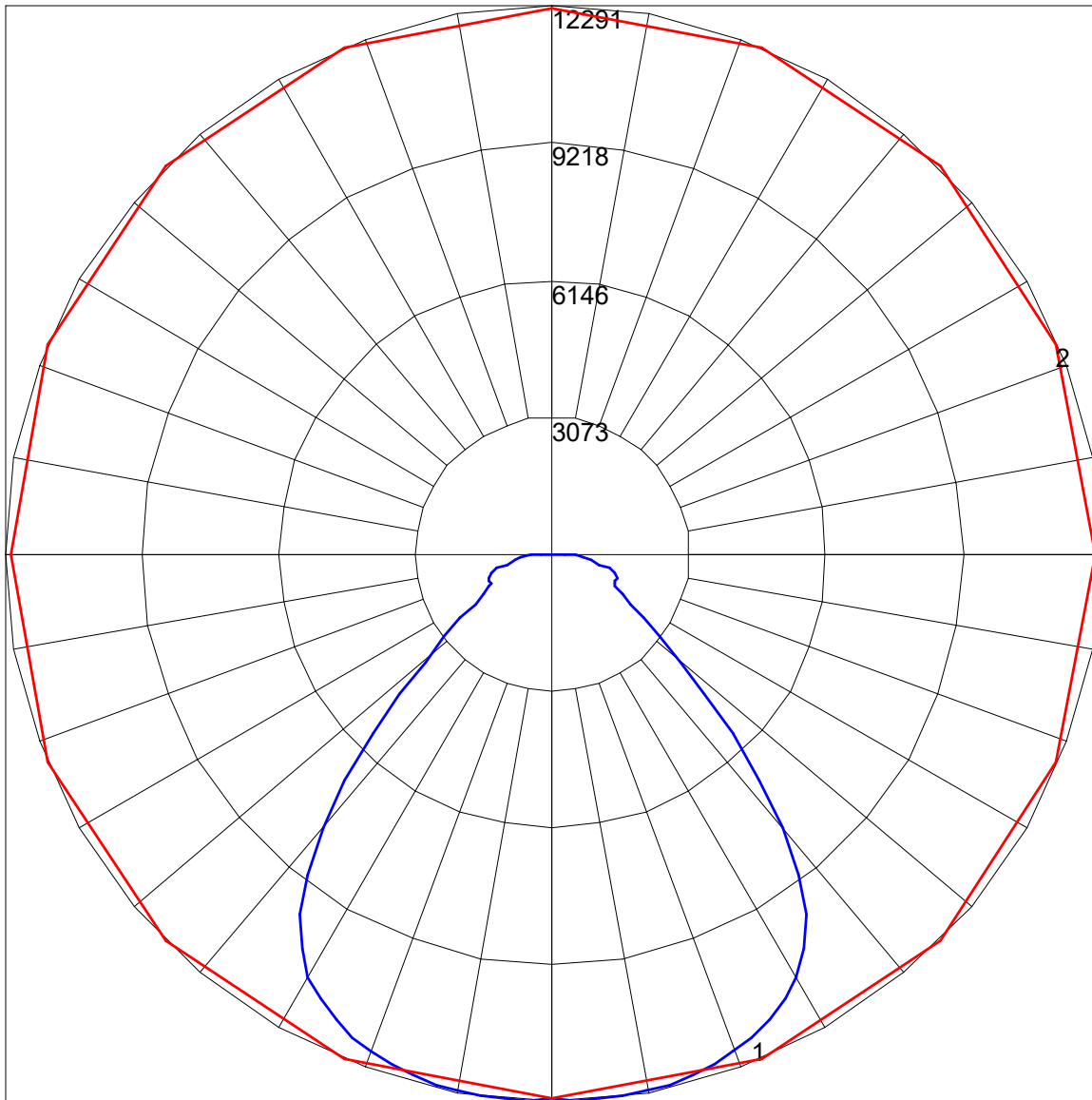
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	83	79	76	74
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	70	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57
5	80	69	60	54	78	67	60	54	65	59	54	64	58	53	62	57	52	50
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	41
8	65	52	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37
9	61	48	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33
10	57	45	37	33	56	44	37	32	43	37	32	43	36	32	42	36	32	30

POLAR GRAPH



Maximum Candela = 12291 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.)