



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AHB-24L-840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12439
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/07/22
[TEST DATE] 01/12/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] AHB-24L-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	21171
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	168
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	41660	38829	33481
55	26811	18478	16179
65	14663	15850	12753
75	13450	15069	16328
85	14125	15727	15727

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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	9602	9602	9602	9602	9602
2.5	9599	9630	9623	9624	9601
5.0	9607	9640	9636	9637	9607
7.5	9599	9628	9623	9629	9599
10.0	9571	9604	9600	9599	9575
12.5	9529	9565	9547	9549	9530
15.0	9459	9492	9483	9482	9458
17.5	9370	9407	9394	9394	9371
20.0	9267	9300	9289	9286	9266
22.5	9140	9180	9158	9158	9142
25.0	9001	9042	9015	9010	9002
27.5	8835	8883	8844	8835	8840
30.0	8638	8692	8643	8625	8638
32.5	8396	8464	8412	8382	8386
35.0	8102	8168	8130	8088	8087
37.5	7740	7776	7761	7658	7588
40.0	7246	7204	7143	6907	6738
42.5	6536	6322	6277	6024	5663
45.0	5695	5178	5308	5158	4577
47.5	4794	4092	4345	4408	3656
50.0	4060	3188	3388	3720	2905
52.5	3458	2481	2609	3124	2288
55.0	2973	1913	2049	2625	1794
57.5	2570	1523	1689	2220	1429
60.0	2167	1316	1480	1877	1200
62.5	1670	1244	1373	1562	1094
65.0	1198	1220	1295	1284	1042
67.5	859	1166	1219	1029	969
70.0	648	1038	1102	842	889
72.5	595	960	942	732	850
75.0	673	882	754	650	817
77.5	745	741	587	566	731
80.0	598	563	449	475	570
82.5	398	399	344	362	420
85.0	238	263	265	258	265
87.5	138	143	151	140	127
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3596.27	N.A.	17.00
0-30	7752.81	N.A.	36.60
0-40	12776.07	N.A.	60.30
0-60	18872.72	N.A.	89.10
0-80	20888.16	N.A.	98.70
0-90	21170.75	N.A.	100.00
10-90	20252.84	N.A.	95.70
20-40	9179.8	N.A.	43.40
20-50	13186.43	N.A.	62.30
40-70	7324.8	N.A.	34.60
60-80	2015.44	N.A.	9.50
70-80	787.30	N.A.	3.70
80-90	282.58	N.A.	1.30
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	21170.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	917.91
10-20	2678.37
20-30	4156.54
30-40	5023.26
40-50	4006.63
50-60	2090.02
60-70	1228.14
70-80	787.30
80-90	282.58
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

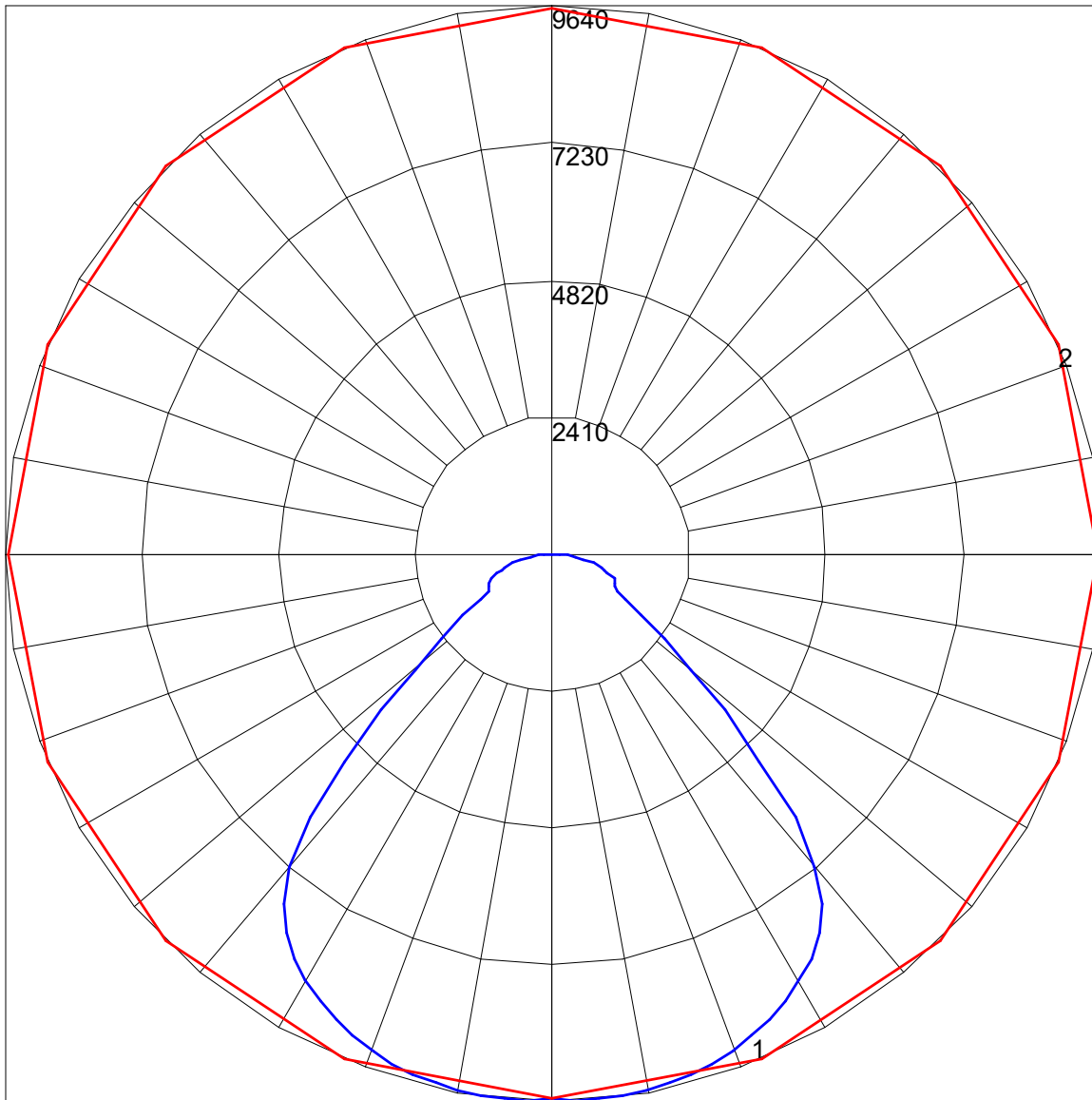
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	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	87	83	80	84	81	78	76
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60	59
5	81	70	62	56	79	69	61	55	67	60	55	65	59	54	63	58	54	52
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38
9	62	49	42	36	60	49	41	36	48	41	36	46	40	36	46	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31

POLAR GRAPH



Maximum Candela = 9640 Located At Horizontal Angle = 22.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)