



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AHB-24L-850.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12469
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 06/07/22
[TESTDATE] 01/28/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] AHB-24L-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	23111
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
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)	1.34
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	45405	42662	36320
55	29724	20552	17721
65	15483	18359	15177
75	15469	16508	19126
85	15609	19110	17152

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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	10358	10358	10358	10358	10358
2.5	10311	10389	10387	10401	10363
5.0	10318	10396	10394	10406	10367
7.5	10307	10384	10385	10398	10358
10.0	10283	10363	10358	10371	10333
12.5	10241	10317	10316	10323	10284
15.0	10179	10254	10245	10248	10208
17.5	10088	10162	10155	10154	10113
20.0	9982	10050	10042	10039	10001
22.5	9849	9929	9911	9906	9875
25.0	9704	9786	9763	9750	9730
27.5	9531	9618	9584	9564	9555
30.0	9321	9421	9367	9340	9350
32.5	9072	9187	9129	9083	9100
35.0	8771	8881	8838	8782	8778
37.5	8400	8462	8462	8394	8344
40.0	7881	7892	7883	7708	7503
42.5	7144	6963	6907	6552	6191
45.0	6207	5670	5832	5663	4965
47.5	5306	4453	4701	4824	3967
50.0	4437	3519	3663	4085	3175
52.5	3796	2760	2840	3436	2520
55.0	3296	2136	2279	2899	1965
57.5	2826	1732	1904	2439	1577
60.0	2346	1520	1709	2040	1352
62.5	1757	1461	1590	1692	1283
65.0	1265	1434	1500	1347	1240
67.5	929	1329	1372	1065	1103
70.0	696	1148	1212	909	975
72.5	670	1047	1027	815	974
75.0	774	966	826	737	957
77.5	838	807	647	661	822
80.0	643	603	490	531	645
82.5	415	441	392	407	475
85.0	263	315	322	306	289
87.5	159	173	181	150	118
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3881.95	N.A.	16.80
0-30	8378.04	N.A.	36.30
0-40	13847.39	N.A.	59.90
0-60	20547.22	N.A.	88.90
0-80	22792.68	N.A.	98.60
0-90	23111.14	N.A.	100.00
10-90	22121.09	N.A.	95.70
20-40	9965.44	N.A.	43.10
20-50	14354.68	N.A.	62.10
40-70	8071.73	N.A.	34.90
60-80	2245.45	N.A.	9.70
70-80	873.56	N.A.	3.80
80-90	318.46	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	23111.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	990.05
10-20	2891.9
20-30	4496.09
30-40	5469.35
40-50	4389.24
50-60	2310.6
60-70	1371.89
70-80	873.56
80-90	318.46
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

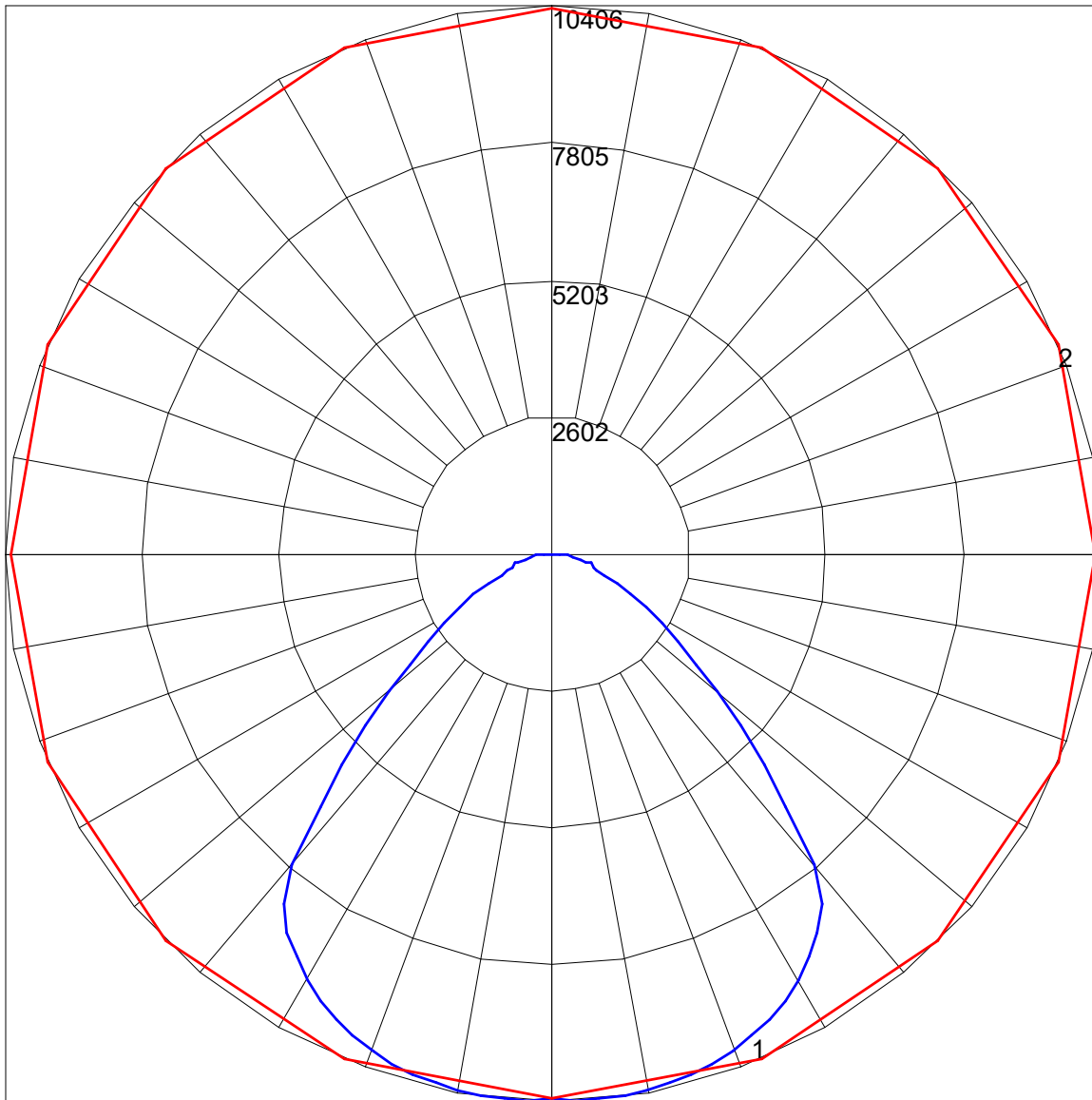
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	58	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	57	45	38	33	44	37	33	43	37	33	42	37	33	31

POLAR GRAPH



Maximum Candela = 10406 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.)