



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AHB-60L-850.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12831
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 06/07/22
 [TESTDATE] 06/01/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AHB-60L-850
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
 [OTHER] SCALED FROM ORIGINAL TEST DATA
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Indoor
 [SEARCH_COLORTEMP] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	57756
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	441
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.93 ft
Luminous Width (90-270)	1.25 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	41227	39961	39240
55	29456	24956	22365
65	23511	21475	16498
75	19614	23082	21686
85	29437	28005	27804

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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	25873	25873	25873	25873	25873
2.5	25735	25982	25947	25915	25940
5.0	25731	25964	25941	25896	25930
7.5	25775	25975	25945	25902	25883
10.0	25678	25898	25854	25769	25779
12.5	25590	25801	25738	25643	25638
15.0	25413	25617	25560	25461	25427
17.5	25177	25363	25310	25194	25170
20.0	24915	25100	25037	24888	24859
22.5	24602	24754	24698	24518	24490
25.0	24167	24308	24255	24057	24023
27.5	23682	23791	23722	23511	23427
30.0	23033	23100	23005	22796	22687
32.5	22202	22219	22085	21873	21737
35.0	21046	21003	20900	20690	20535
37.5	19551	19389	19336	19211	18968
40.0	17619	17453	17442	17409	17123
42.5	15481	15118	15148	15250	15018
45.0	13317	12689	12908	13256	12675
47.5	11587	10410	10889	11526	10412
50.0	10135	8375	9167	10056	8591
52.5	8934	6791	7731	8764	7065
55.0	7718	5543	6539	7619	5860
57.5	6682	4627	5625	6654	4863
60.0	5837	3964	4982	5839	4079
62.5	5148	3535	4492	5147	3527
65.0	4539	3319	4146	4551	3185
67.5	3950	3267	3862	4029	3054
70.0	3327	3228	3554	3529	2993
72.5	2769	3060	3162	3038	2839
75.0	2319	2737	2729	2616	2564
77.5	2073	2316	2296	2264	2214
80.0	1931	1890	1947	1968	1841
82.5	1632	1523	1568	1662	1503
85.0	1172	1126	1115	1200	1107
87.5	605	630	595	587	561
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	9678.1	N.A.	16.80
0-30	20807.28	N.A.	36.00
0-40	33674.77	N.A.	58.30
0-60	49803.94	N.A.	86.20
0-80	56589.29	N.A.	98.00
0-90	57755.71	N.A.	100.00
10-90	55284.43	N.A.	95.70
20-40	23996.67	N.A.	41.50
20-50	34061.79	N.A.	59.00
40-70	20130.78	N.A.	34.90
60-80	6785.35	N.A.	11.70
70-80	2783.74	N.A.	4.80
80-90	1166.43	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	57755.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2471.28
10-20	7206.82
20-30	11129.17
30-40	12867.5
40-50	10065.12
50-60	6064.04
60-70	4001.61
70-80	2783.74
80-90	1166.43
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

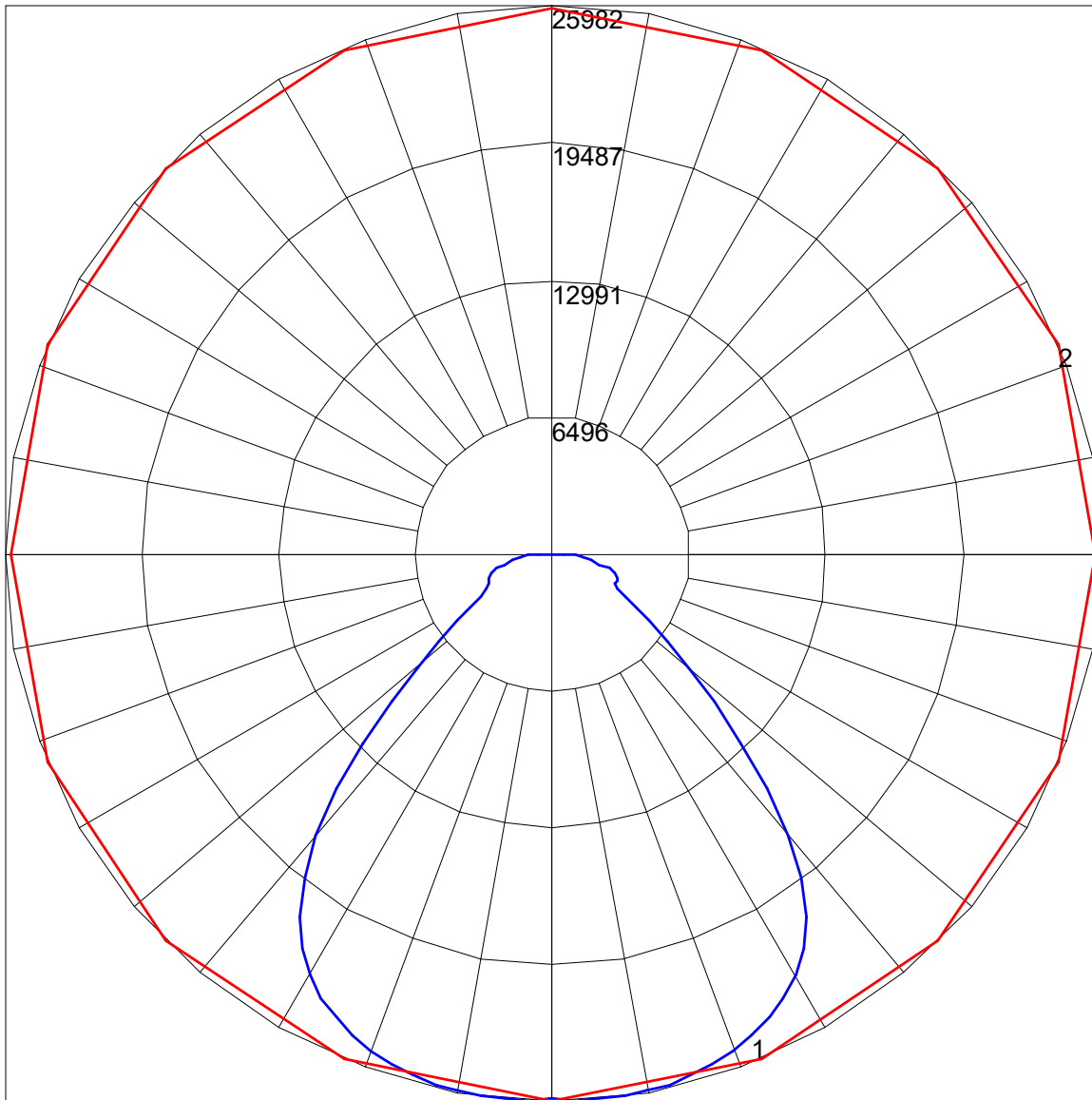
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	86	82	89	84	80	85	81	78	82	79	76	74
3	93	84	77	71	91	82	76	70	80	74	69	77	72	68	74	70	67	65
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50
6	75	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	45
7	69	57	49	43	68	56	49	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38	36
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30

POLAR GRAPH



Maximum Candela = 25982 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)