



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AHB-60L-840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12831
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 06/07/22
 [TEST DATE] 06/01/21
 [MANUFACTURER] LSI INDUSTRIES, INC.
 [LUMEN CATEGORY] AHB-60L-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	56513
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
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	40339	39100	38394
55	28822	24418	21884
65	23003	21014	16140
75	19191	22583	21221
85	28809	27402	27202

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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	25316	25316	25316	25316	25316
2.5	25181	25423	25389	25357	25382
5.0	25177	25405	25383	25339	25372
7.5	25220	25416	25387	25345	25326
10.0	25125	25341	25298	25214	25224
12.5	25039	25246	25184	25091	25086
15.0	24866	25066	25010	24913	24880
17.5	24635	24817	24765	24652	24628
20.0	24379	24560	24498	24352	24324
22.5	24073	24221	24166	23990	23963
25.0	23647	23785	23733	23539	23506
27.5	23172	23279	23211	23005	22923
30.0	22537	22603	22510	22305	22199
32.5	21724	21741	21610	21402	21269
35.0	20593	20551	20450	20245	20093
37.5	19130	18972	18920	18798	18560
40.0	17240	17077	17067	17034	16754
42.5	15148	14793	14822	14922	14695
45.0	13030	12416	12630	12971	12402
47.5	11338	10186	10655	11278	10188
50.0	9917	8195	8970	9840	8406
52.5	8742	6645	7565	8575	6913
55.0	7552	5424	6398	7455	5734
57.5	6538	4527	5504	6511	4758
60.0	5711	3879	4875	5713	3991
62.5	5037	3459	4395	5036	3451
65.0	4441	3248	4057	4453	3116
67.5	3865	3197	3779	3942	2988
70.0	3255	3159	3478	3453	2929
72.5	2709	2994	3094	2973	2778
75.0	2269	2678	2670	2560	2509
77.5	2028	2266	2247	2215	2166
80.0	1889	1849	1905	1926	1801
82.5	1597	1490	1534	1626	1471
85.0	1147	1102	1091	1174	1083
87.5	592	616	582	574	549
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	9469.82	N.A.	16.80
0-30	20359.43	N.A.	36.00
0-40	32950.03	N.A.	58.30
0-60	48732.17	N.A.	86.20
0-80	55371.48	N.A.	98.00
0-90	56512.7	N.A.	100.00
10-90	54094.59	N.A.	95.70
20-40	23480.21	N.A.	41.50
20-50	33328.79	N.A.	59.00
40-70	19697.63	N.A.	34.90
60-80	6639.32	N.A.	11.70
70-80	2723.82	N.A.	4.80
80-90	1141.22	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	56512.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2418.11
10-20	7051.71
20-30	10889.61
30-40	12590.6
40-50	9848.58
50-60	5933.56
60-70	3915.49
70-80	2723.82
80-90	1141.22
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

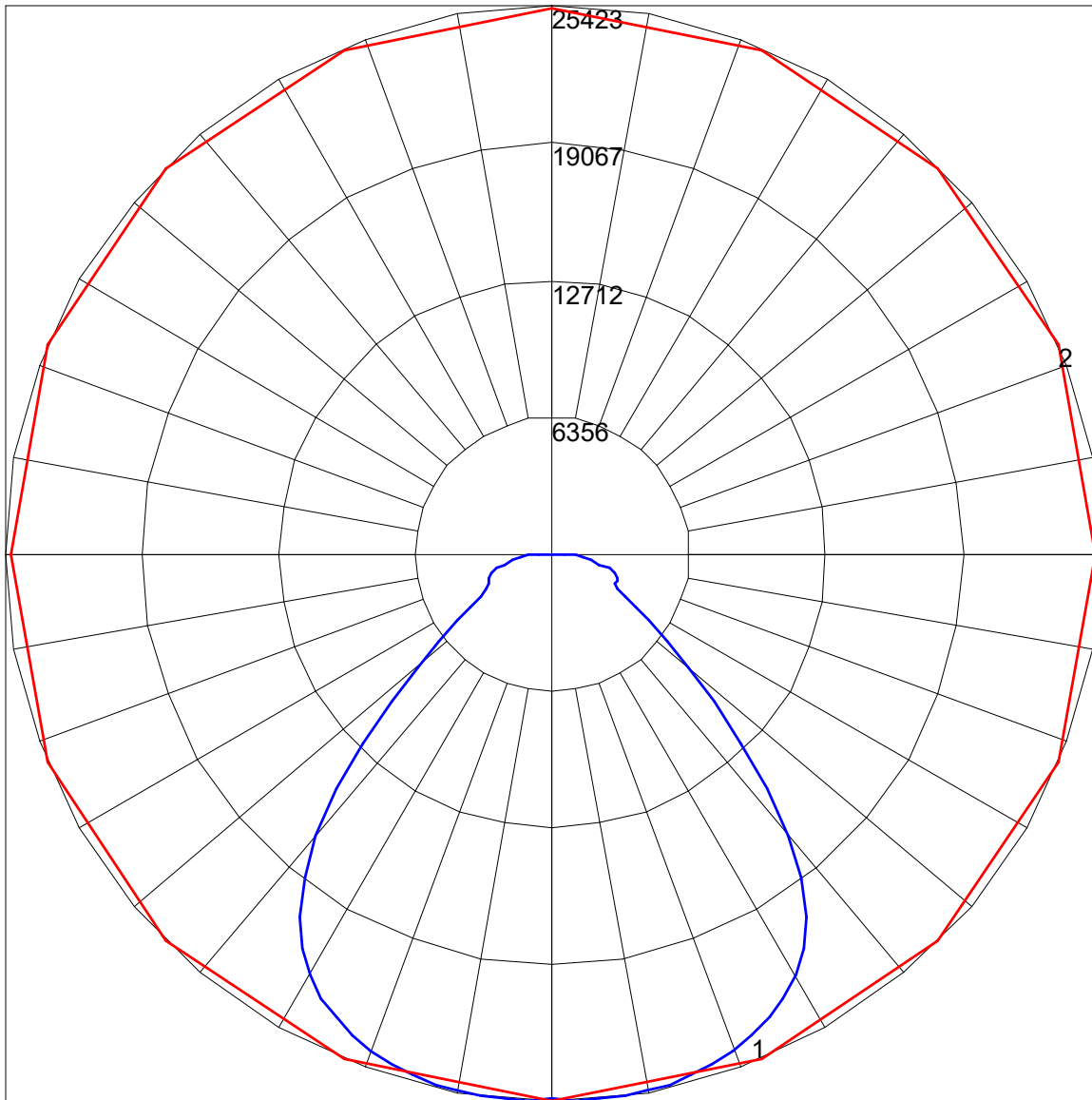
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 25423 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.)