



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AHB-48L-840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12862
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 06/07/22
 [TESTDATE] 07/07/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AHB-48L-840
 [MORE] TESTED M. BOYER/REVIEWED: B. BLAKE
 [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	45289
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	353
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
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	32296	31212	30785
55	23380	19571	17533
65	18544	17140	13141
75	15470	18075	17187
85	23484	22454	22806

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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	20242	20242	20242	20242	20242
2.5	20114	20299	20247	20205	20181
5.0	20102	20334	20277	20228	20212
7.5	20141	20350	20288	20231	20193
10.0	20049	20252	20169	20125	20060
12.5	19978	20181	20128	20042	20005
15.0	19867	20061	19968	19889	19846
17.5	19707	19916	19807	19718	19692
20.0	19520	19681	19579	19460	19405
22.5	19247	19391	19272	19166	19095
25.0	18936	19045	18954	18801	18713
27.5	18510	18610	18532	18364	18232
30.0	18018	18091	17963	17806	17680
32.5	17342	17385	17303	17101	16921
35.0	16509	16463	16375	16187	15953
37.5	15245	15211	15156	15025	14735
40.0	13763	13649	13610	13576	13292
42.5	12009	11850	11798	11890	11645
45.0	10432	10024	10082	10354	9944
47.5	9157	8221	8564	9055	8170
50.0	8032	6606	7183	7912	6713
52.5	7041	5328	6026	6874	5582
55.0	6126	4380	5128	5960	4594
57.5	5273	3649	4445	5223	3823
60.0	4610	3130	3953	4605	3217
62.5	4066	2803	3591	4065	2777
65.0	3580	2647	3309	3603	2537
67.5	3090	2608	3078	3167	2436
70.0	2618	2571	2821	2766	2388
72.5	2179	2432	2495	2388	2271
75.0	1829	2173	2137	2051	2032
77.5	1640	1834	1816	1779	1742
80.0	1537	1489	1544	1565	1455
82.5	1298	1216	1266	1331	1200
85.0	935	901	894	970	908
87.5	490	522	496	490	494
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	7567.57	N.A.	16.70
0-30	16266.56	N.A.	35.90
0-40	26327.67	N.A.	58.10
0-60	38979.07	N.A.	86.10
0-80	44349.85	N.A.	97.90
0-90	45288.64	N.A.	100.00
10-90	43357.78	N.A.	95.70
20-40	18760.1	N.A.	41.40
20-50	26642.21	N.A.	58.80
40-70	15823.01	N.A.	34.90
60-80	5370.78	N.A.	11.90
70-80	2199.17	N.A.	4.90
80-90	938.79	N.A.	2.10
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	45288.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1930.87
10-20	5636.7
20-30	8698.99
30-40	10061.11
40-50	7882.11
50-60	4769.29
60-70	3171.61
70-80	2199.17
80-90	938.79
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

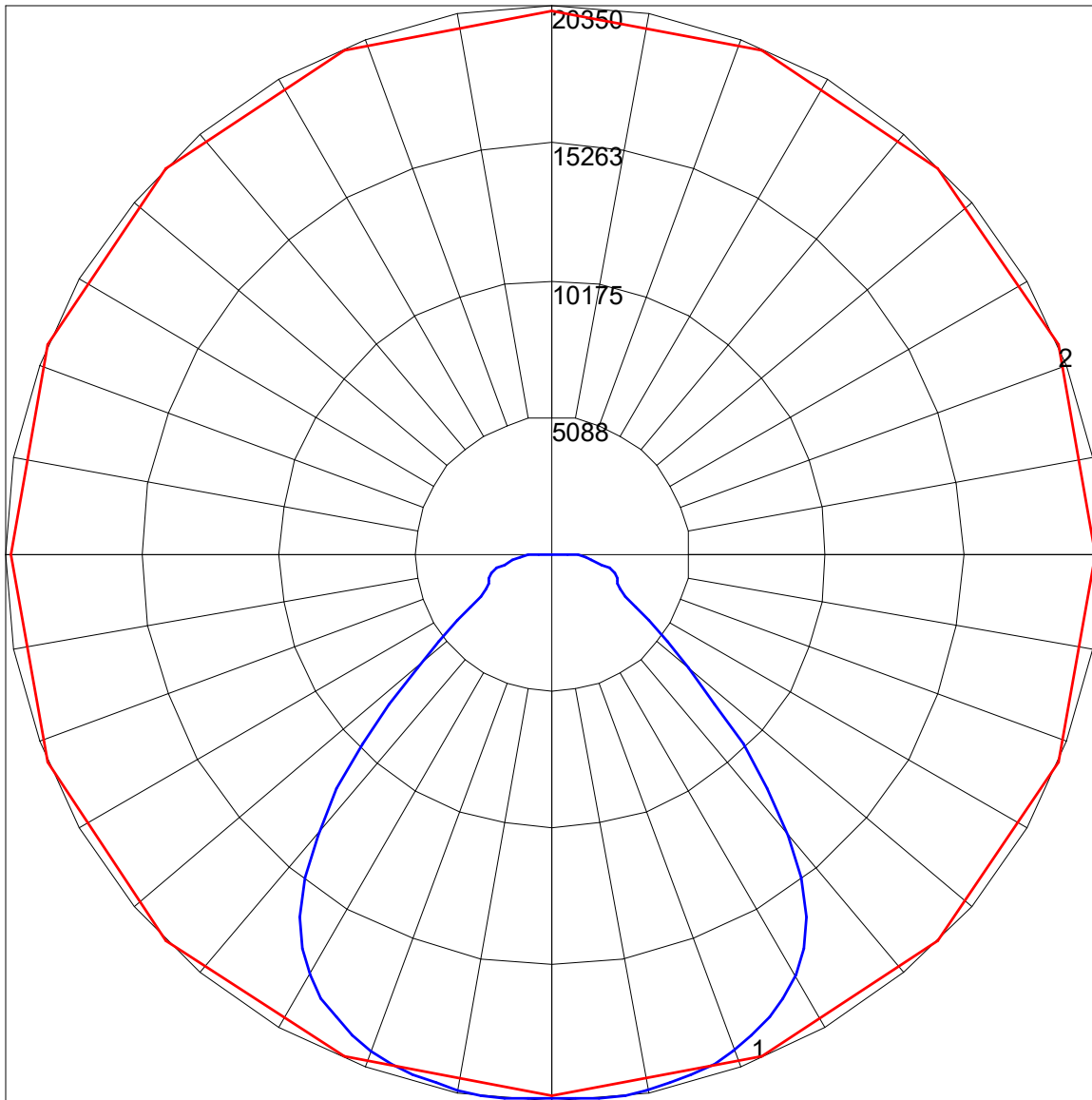
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 20350 Located At Horizontal Angle = 22.5, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)