



IES INDOOR REPORT

PHOTOMETRIC FILENAME : IHB4-LED-30L-LL-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11001

[TESTLAB] LSI INDUSTRIES INC.

[ISSUEDATE] 04/19/21

[TESTDATE] 04/18/19

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] IHB4-LED-30L-LL-50

[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	30352
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	198.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.60 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	47773	46962	46094
55	48059	47364	46130
65	45993	46131	33747
75	39507	30366	19996
85	19485	15372	14858

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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	9450	9450	9450	9450	9450
2.5	9591	9510	9460	9409	9397
5.0	9599	9522	9482	9435	9424
7.5	9597	9531	9494	9442	9425
10.0	9583	9529	9480	9419	9402
12.5	9553	9511	9448	9385	9362
15.0	9511	9475	9403	9330	9313
17.5	9456	9422	9339	9274	9259
20.0	9386	9352	9264	9195	9173
22.5	9295	9270	9179	9091	9063
25.0	9188	9169	9070	8966	8929
27.5	9058	9046	8934	8830	8795
30.0	8912	8898	8777	8677	8643
32.5	8741	8731	8601	8504	8472
35.0	8550	8544	8403	8314	8278
37.5	8337	8330	8182	8101	8062
40.0	8090	8098	7947	7867	7822
42.5	7820	7829	7694	7610	7559
45.0	7539	7540	7411	7331	7274
47.5	7238	7225	7111	7020	6967
50.0	6920	6896	6782	6687	6644
52.5	6550	6543	6438	6336	6267
55.0	6152	6146	6063	5971	5905
57.5	5733	5730	5678	5576	5454
60.0	5309	5277	5269	5065	4719
62.5	4842	4816	4824	4277	3811
65.0	4338	4324	4351	3382	3183
67.5	3824	3822	3647	2871	2840
70.0	3324	3324	2736	2507	2441
72.5	2805	2819	2161	1932	1610
75.0	2282	2316	1754	1213	1155
77.5	1768	1758	1109	943	933
80.0	1265	1035	680	730	723
82.5	803	630	481	522	511
85.0	379	238	299	321	289
87.5	108	117	128	141	137
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3565.58	N.A.	11.70
0-30	7748.7	N.A.	25.50
0-40	13016.73	N.A.	42.90
0-60	24130.38	N.A.	79.50
0-80	29963.71	N.A.	98.70
0-90	30351.91	N.A.	100.00
10-90	29446.52	N.A.	97.00
20-40	9451.15	N.A.	31.10
20-50	15173.31	N.A.	50.00
40-70	15055.38	N.A.	49.60
60-80	5833.33	N.A.	19.20
70-80	1891.6	N.A.	6.20
80-90	388.20	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	30351.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	905.39
10-20	2660.19
20-30	4183.12
30-40	5268.03
40-50	5722.15
50-60	5391.49
60-70	3941.74
70-80	1891.6
80-90	388.20
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

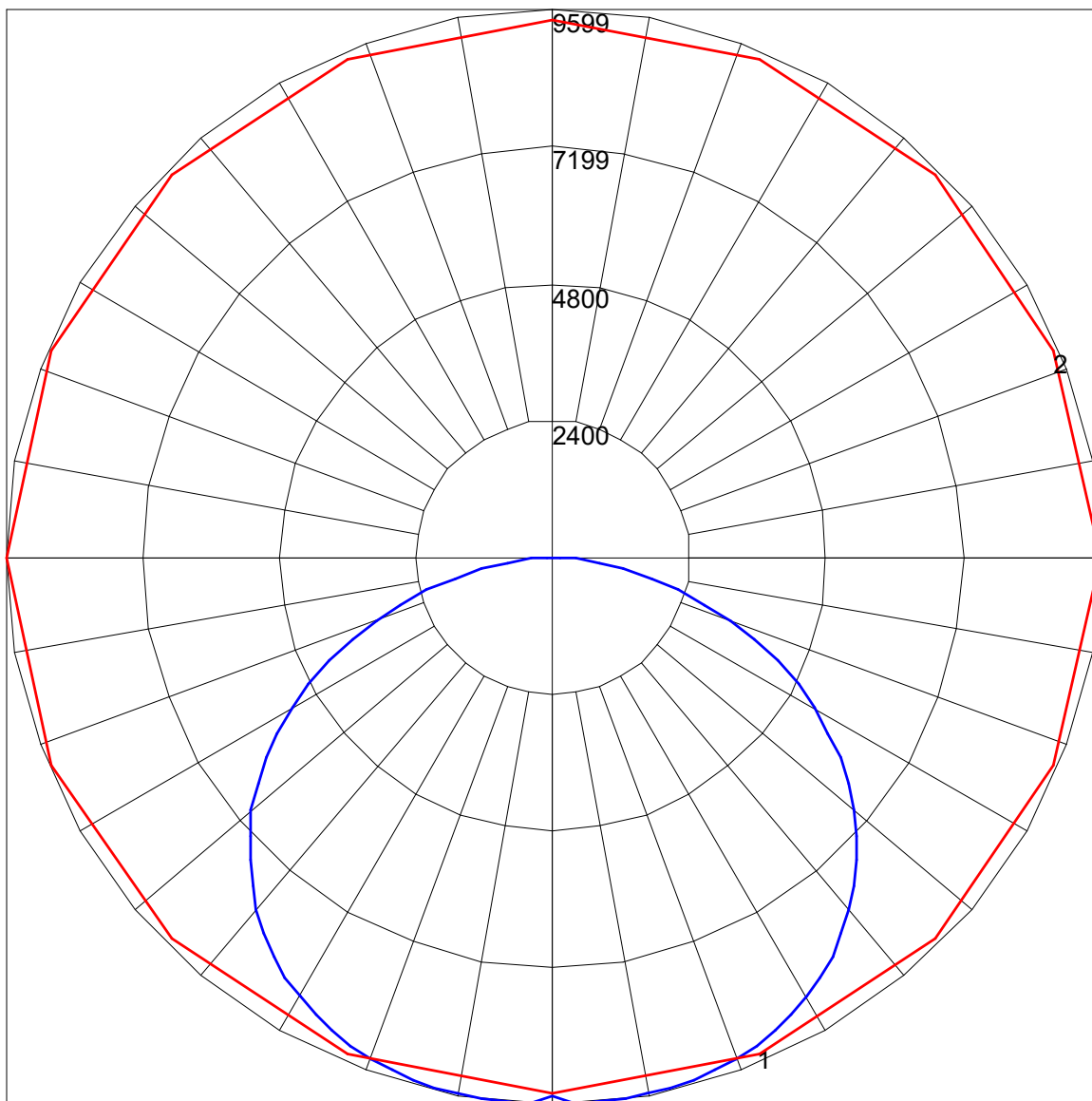
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	74	79	75	72	70
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	28	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 9599 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)