



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : IHB2-LED-12L-LL-50.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-10990  
[TESTLAB] LSI INDUSTRIES INC.  
[ISSUE DATE] 04/19/21  
[TEST DATE] 04/16/19  
[MANUFACT] LSI INDUSTRIES, INC  
[LUMCAT] IHB2-LED-12L-LL-50  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] TEST PROCEDURE:IESNA LM-79-08  
[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	12421
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	82.5
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)	2.00 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	38680	37818	37273
55	38919	37904	37372
65	35900	36557	33292
75	28392	27042	23614
85	10077	19125	23546

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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	3829	3829	3829	3829	3829
2.5	3871	3862	3831	3814	3804
5.0	3874	3866	3834	3815	3806
7.5	3872	3864	3833	3816	3806
10.0	3865	3858	3828	3809	3796
12.5	3854	3847	3817	3792	3781
15.0	3839	3832	3796	3774	3763
17.5	3820	3810	3772	3751	3741
20.0	3797	3783	3744	3722	3710
22.5	3763	3747	3708	3682	3671
25.0	3722	3703	3665	3637	3624
27.5	3673	3650	3612	3582	3573
30.0	3614	3588	3549	3521	3510
32.5	3545	3516	3478	3450	3436
35.0	3466	3435	3397	3371	3357
37.5	3376	3345	3306	3279	3266
40.0	3279	3246	3207	3182	3166
42.5	3173	3136	3099	3075	3058
45.0	3052	3020	2984	2959	2941
47.5	2928	2890	2860	2831	2817
50.0	2794	2752	2723	2699	2685
52.5	2646	2611	2577	2558	2540
55.0	2491	2461	2426	2409	2392
57.5	2283	2291	2267	2249	2229
60.0	2115	2094	2101	2074	2052
62.5	1899	1906	1921	1879	1825
65.0	1693	1703	1724	1642	1570
67.5	1477	1490	1514	1378	1313
70.0	1245	1276	1275	1150	1132
72.5	1033	1068	1014	959	903
75.0	820	865	781	706	682
77.5	614	650	550	556	541
80.0	419	446	375	440	447
82.5	247	257	269	341	347
85.0	98	112	186	230	229
87.5	22	53	65	38	29
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1441.39	N.A.	11.60
0-30	3134.29	N.A.	25.20
0-40	5263.59	N.A.	42.40
0-60	9737.04	N.A.	78.40
0-80	12224.87	N.A.	98.40
0-90	12420.94	N.A.	100.00
10-90	12054.75	N.A.	97.10
20-40	3822.2	N.A.	30.80
20-50	6127.05	N.A.	49.30
40-70	6122.26	N.A.	49.30
60-80	2487.83	N.A.	20.00
70-80	839.02	N.A.	6.80
80-90	196.07	N.A.	1.60
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	12420.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	366.19
10-20	1075.2
20-30	1692.9
30-40	2129.3
40-50	2304.85
50-60	2168.6
60-70	1648.81
70-80	839.02
80-90	196.07
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

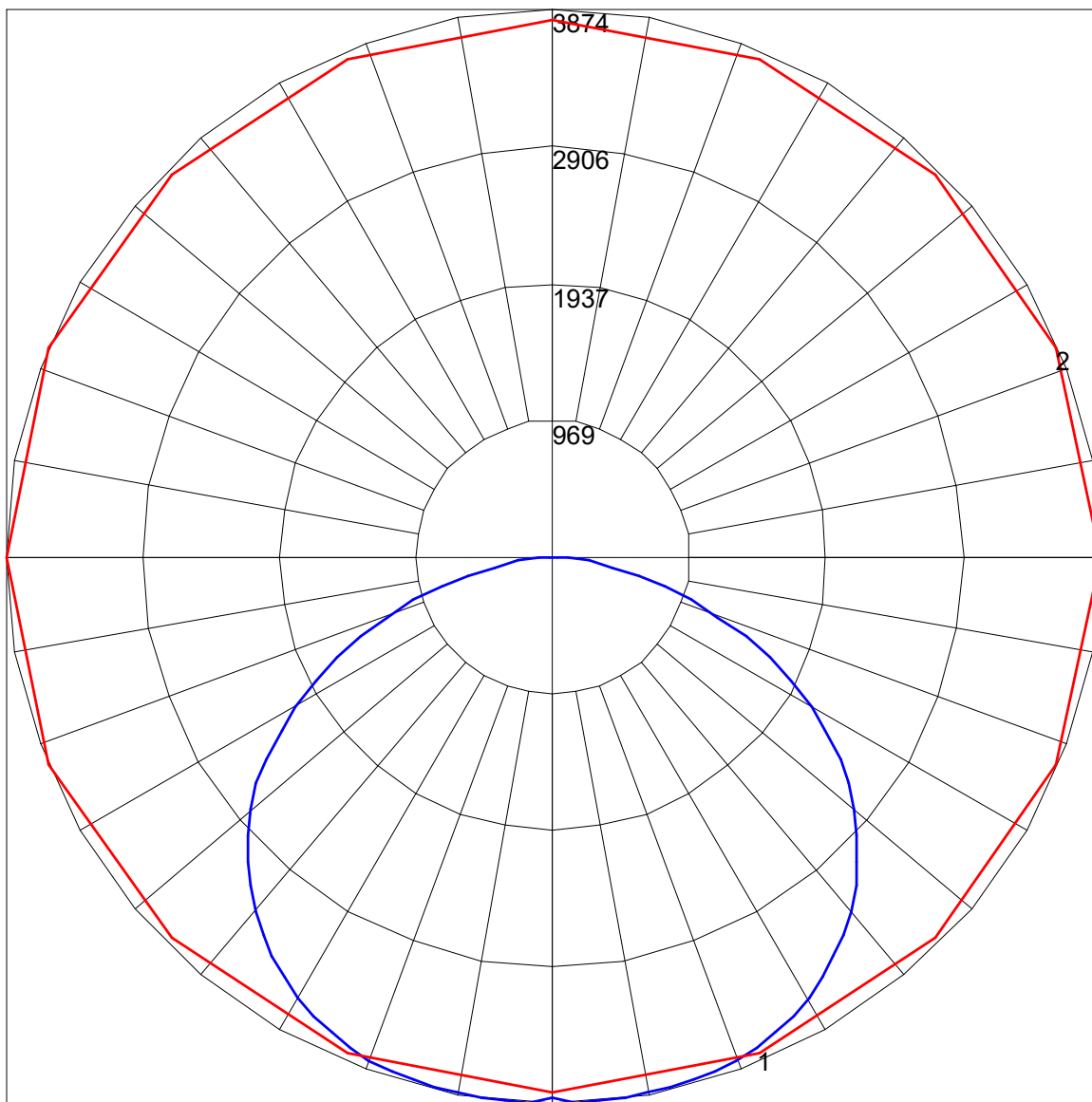
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	55	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 3874 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.)