



IES INDOOR REPORT

PHOTOMETRIC FILENAME : IHB2-LED-15L-LL-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-10992
 [TESTLAB] LSI INDUSTRIES INC.
 [ISSUEDATE] 04/19/21
 [TESTDATE] 04/16/19
 [MANUFAC] LSI INDUSTRIES, INC
 [LUMCAT] IHB2-LED-15L-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	15277
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	99.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.38
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	47969	47348	46892
55	48809	47841	46950
65	45845	46820	34352
75	36806	30712	20948
85	12133	15629	15423

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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	4778	4778	4778	4778	4778
2.5	4816	4822	4779	4759	4765
5.0	4820	4828	4793	4781	4790
7.5	4818	4833	4805	4786	4792
10.0	4811	4835	4798	4770	4773
12.5	4799	4828	4777	4746	4752
15.0	4778	4811	4750	4722	4732
17.5	4753	4784	4719	4696	4705
20.0	4720	4747	4687	4656	4661
22.5	4677	4699	4645	4604	4606
25.0	4627	4642	4588	4543	4544
27.5	4562	4575	4519	4476	4477
30.0	4487	4497	4438	4397	4402
32.5	4399	4409	4344	4313	4314
35.0	4302	4311	4242	4216	4215
37.5	4189	4196	4128	4106	4104
40.0	4062	4068	4009	3985	3980
42.5	3933	3924	3877	3854	3846
45.0	3785	3775	3736	3707	3700
47.5	3638	3617	3580	3554	3543
50.0	3476	3451	3420	3393	3371
52.5	3308	3273	3247	3216	3197
55.0	3124	3086	3062	3035	3005
57.5	2888	2889	2867	2833	2803
60.0	2675	2637	2652	2610	2452
62.5	2417	2404	2437	2175	1798
65.0	2162	2147	2208	1636	1620
67.5	1893	1887	1880	1461	1451
70.0	1616	1627	1310	1285	1272
72.5	1349	1368	1079	980	731
75.0	1063	1114	887	613	605
77.5	791	825	488	496	491
80.0	541	464	334	386	380
82.5	308	276	239	278	274
85.0	118	96	152	155	150
87.5	21	51	68	69	64
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1804.67	N.A.	11.80
0-30	3922.24	N.A.	25.70
0-40	6585.19	N.A.	43.10
0-60	12196.53	N.A.	79.80
0-80	15095.63	N.A.	98.80
0-90	15277.39	N.A.	100.00
10-90	14819.14	N.A.	97.00
20-40	4780.52	N.A.	31.30
20-50	7665.37	N.A.	50.20
40-70	7587.33	N.A.	49.70
60-80	2899.1	N.A.	19.00
70-80	923.11	N.A.	6.00
80-90	181.76	N.A.	1.20
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	15277.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	458.25
10-20	1346.42
20-30	2117.57
30-40	2662.95
40-50	2884.85
50-60	2726.49
60-70	1975.99
70-80	923.11
80-90	181.76
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

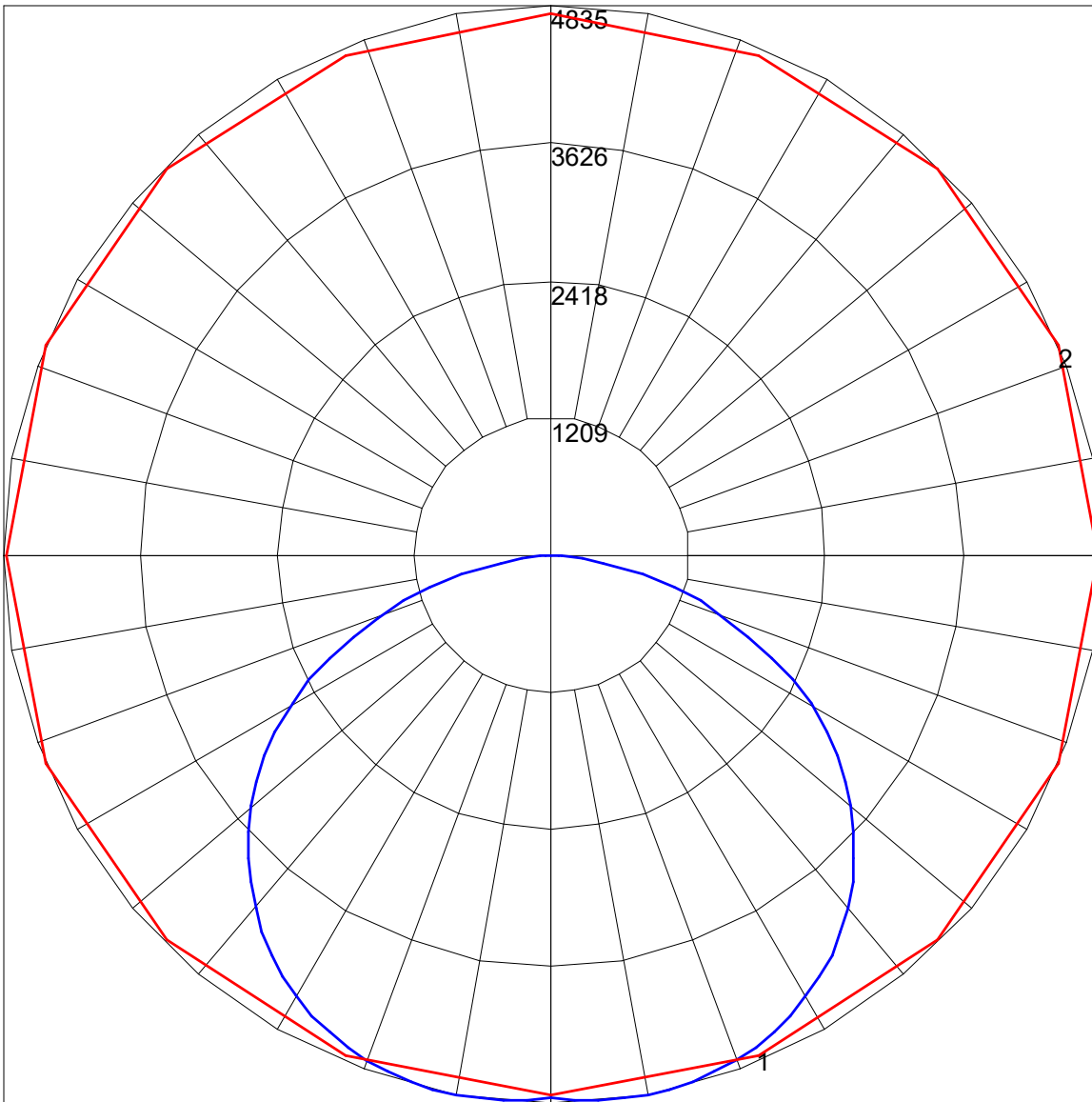
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	43
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	31	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 4835 Located At Horizontal Angle = 22.5, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)