



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-10991
[TESTLAB] LSI INDUSTRIES INC.
[ISSUE DATE] 04/19/21
[TEST DATE] 04/16/19
[MANUFACT] LSI INDUSTRIES, INC
[LUMCAT] IHB2-LED-15L-DA-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	14353
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	99.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
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	41493	40834	40733
55	37326	37763	37935
65	31765	34225	35094
75	25726	31578	33101
85	18302	38044	45961

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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	4871	4871	4871	4871	4871
2.5	4931	4915	4871	4845	4843
5.0	4931	4915	4869	4842	4841
7.5	4922	4905	4859	4831	4828
10.0	4904	4886	4839	4809	4806
12.5	4875	4857	4808	4777	4774
15.0	4837	4818	4766	4732	4729
17.5	4789	4767	4712	4677	4669
20.0	4729	4706	4647	4607	4600
22.5	4656	4631	4569	4524	4512
25.0	4568	4542	4477	4426	4416
27.5	4464	4436	4366	4317	4306
30.0	4343	4313	4243	4194	4183
32.5	4204	4173	4100	4058	4047
35.0	4049	4014	3948	3909	3899
37.5	3869	3843	3782	3749	3739
40.0	3685	3648	3607	3579	3571
42.5	3480	3455	3418	3398	3395
45.0	3274	3253	3222	3215	3214
47.5	3060	3044	3025	3027	3018
50.0	2839	2830	2824	2829	2827
52.5	2615	2613	2620	2629	2624
55.0	2389	2395	2417	2428	2428
57.5	2165	2179	2210	2231	2232
60.0	1933	1956	2005	2035	2036
62.5	1707	1739	1805	1843	1844
65.0	1498	1538	1614	1649	1655
67.5	1296	1343	1423	1466	1471
70.0	1102	1156	1244	1286	1286
72.5	916	978	1073	1114	1112
75.0	743	810	912	952	956
77.5	575	651	754	806	812
80.0	429	501	614	671	679
82.5	292	371	484	547	557
85.0	178	258	370	432	447
87.5	76	160	267	328	340
90.0	5	88	182	235	242
92.5	1	63	149	199	211
95.0	0	54	133	182	194
97.5	3	48	122	169	182
100.0	3	44	112	158	170
102.5	3	41	105	148	161
105.0	4	39	99	141	153
107.5	4	38	94	134	146
110.0	4	36	89	127	139
112.5	4	35	85	121	132
115.0	5	34	81	116	127
117.5	5	33	77	110	121
120.0	5	33	74	105	116
122.5	6	32	70	100	110
125.0	6	31	67	95	105
127.5	7	30	64	90	99
130.0	8	29	61	85	94
132.5	9	29	59	81	88

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CANDELA TABULATION - (Cont.)

135.0	9	28	56	76	84
137.5	10	28	53	72	79
140.0	11	27	51	68	75
142.5	11	26	48	64	70
145.0	12	25	45	60	66
147.5	13	24	42	56	61
150.0	13	24	40	52	57
152.5	13	23	37	49	53
155.0	13	21	34	44	48
157.5	13	20	32	41	44
160.0	13	19	29	37	40
162.5	13	18	27	33	35
165.0	12	16	24	29	31
167.5	12	15	21	26	28
170.0	12	15	19	23	25
172.5	11	13	17	19	20
175.0	11	12	15	15	17
177.5	10	11	11	12	13
180.0	10	10	10	10	10

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1812.88	N.A.	12.60
0-30	3877.82	N.A.	27.00
0-40	6352.07	N.A.	44.30
0-60	11001.64	N.A.	76.70
0-80	13521.61	N.A.	94.20
0-90	13906.07	N.A.	96.90
10-90	13441.46	N.A.	93.70
20-40	4539.18	N.A.	31.60
20-50	7031.68	N.A.	49.00
40-70	6231.99	N.A.	43.40
60-80	2519.97	N.A.	17.60
70-80	937.56	N.A.	6.50
80-90	384.46	N.A.	2.70
90-110	226.66	N.A.	1.60
90-120	300.38	N.A.	2.10
90-130	356.26	N.A.	2.50
90-150	423.16	N.A.	2.90
90-180	446.59	N.A.	3.10
110-180	219.93	N.A.	1.50
0-180	14352.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	464.61
10-20	1348.27
20-30	2064.94
30-40	2474.24
40-50	2492.5
50-60	2157.08
60-70	1582.41
70-80	937.56
80-90	384.46
90-100	131.61
100-110	95.05
110-120	73.72
120-130	55.88
130-140	40.23
140-150	26.68
150-160	15.30
160-170	6.66
170-180	1.47

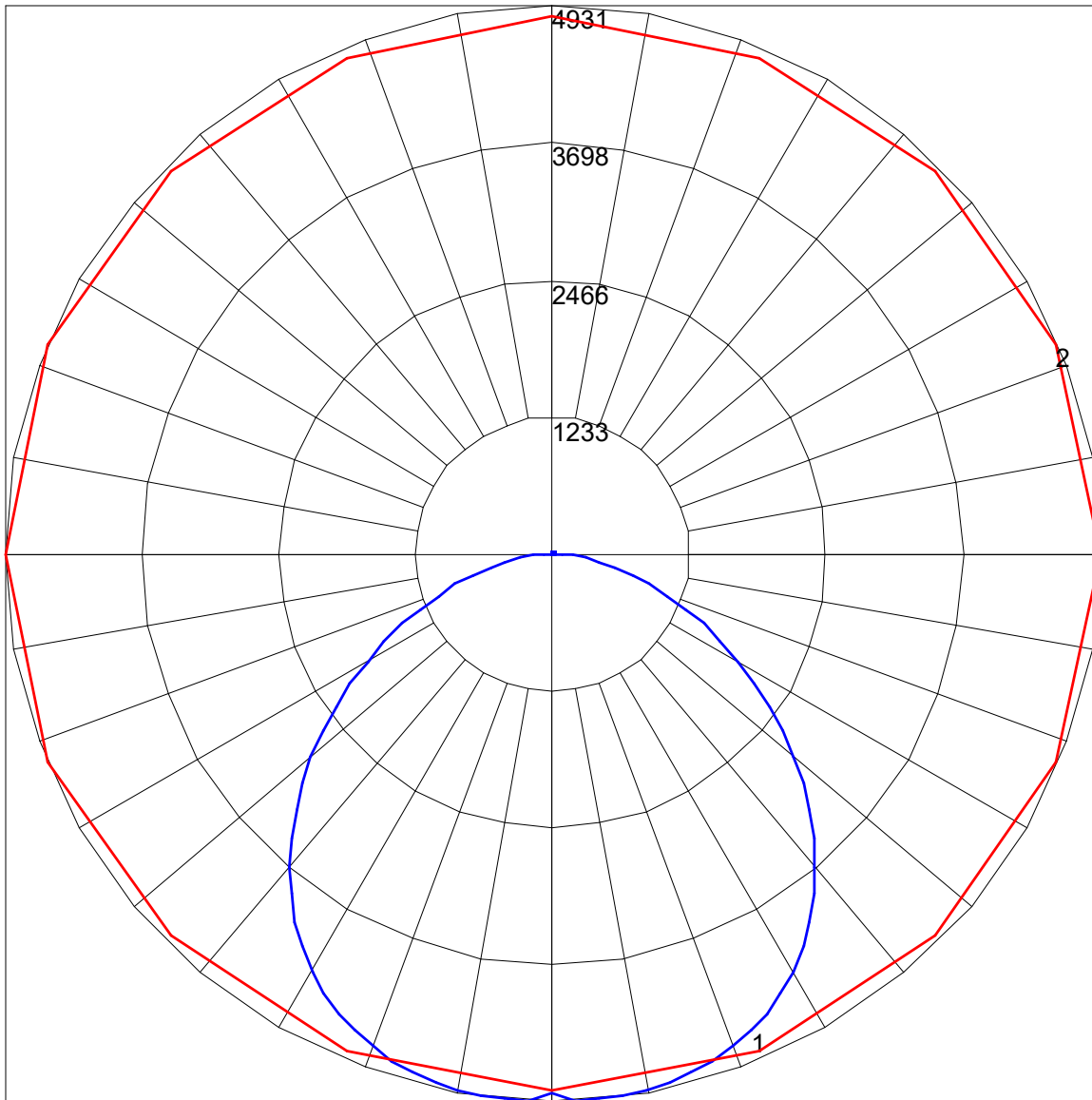
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	108	103	99	95	105	100	96	93	96	92	89	91	89	86	87	85	83	81
2	98	90	83	77	95	88	81	76	84	78	74	80	76	72	76	73	70	67
3	90	79	71	64	87	77	70	64	74	67	62	71	65	61	68	63	59	57
4	82	70	61	55	79	69	60	54	66	59	53	63	57	52	60	55	51	49
5	75	63	54	47	73	61	53	47	59	52	46	57	50	45	54	49	44	42
6	70	56	48	41	68	55	47	41	53	46	40	51	45	40	49	44	39	37
7	65	51	42	36	63	50	42	36	48	41	36	47	40	35	45	39	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	41	35	31	29
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26
10	53	40	32	26	51	39	31	26	38	31	26	37	30	26	35	30	26	24

POLAR GRAPH



Maximum Candela = 4931 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)