



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-S-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8707R_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/02/17
[TEST DATE]03/17/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LHBXD_LHB14-LED-48L-S-50
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	46957
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	379
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	49215	49215	48637
55	47794	47913	47102
65	43548	42421	32863
75	31521	21131	12845
85	16274	9634	8723

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-S-50.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	15560.394	15560.394	15560.394	15560.394	15560.394
2.5	15510.099	15684.196	15630.033	15568.131	15544.919
5.0	15537.181	15691.934	15622.295	15552.656	15525.574
7.5	15533.312	15676.458	15599.082	15513.968	15494.624
10.0	15513.968	15641.639	15568.131	15483.017	15475.280
12.5	15471.411	15583.607	15517.837	15444.329	15424.985
15.0	15394.035	15502.362	15440.460	15366.953	15339.871
17.5	15297.314	15394.035	15355.346	15250.888	15235.413
20.0	15158.037	15254.757	15231.544	15107.742	15069.054
22.5	14995.546	15088.398	15061.316	14933.645	14906.563
25.0	14813.712	14894.957	14856.269	14724.729	14701.516
27.5	14577.714	14670.565	14604.795	14488.731	14465.518
30.0	14322.371	14411.354	14345.584	14221.782	14175.356
32.5	14012.866	14109.586	14047.685	13904.539	13861.982
35.0	13668.541	13761.393	13703.360	13544.739	13513.788
37.5	13270.052	13366.773	13316.478	13161.725	13126.906
40.0	12840.613	12925.727	12867.695	12736.155	12728.418
42.5	12376.355	12457.600	12380.224	12287.372	12264.159
45.0	11865.671	11939.178	11865.671	11772.819	11726.393
47.5	11289.217	11370.462	11324.036	11196.365	11173.152
50.0	10689.550	10770.795	10720.500	10588.960	10585.091
52.5	10020.244	10128.571	10066.670	9942.867	9935.130
55.0	9347.069	9451.527	9370.282	9246.480	9211.660
57.5	8615.862	8728.058	8639.075	8476.585	8399.208
60.0	7873.049	7962.031	7865.311	7579.018	7354.627
62.5	7072.203	7180.530	7041.252	6534.437	6077.916
65.0	6275.226	6340.996	6112.736	5226.776	4735.436
67.5	5377.660	5424.086	5079.761	3965.540	3431.643
70.0	4511.044	4503.306	3919.115	2781.682	2352.243
72.5	3601.871	3617.347	2793.288	1887.984	1628.773
75.0	2781.682	2762.337	1864.771	1288.317	1133.564
77.5	2019.524	1965.361	1226.416	893.697	824.059
80.0	1373.431	1261.235	785.370	619.011	591.929
82.5	851.140	727.338	491.340	413.964	398.488
85.0	483.602	390.751	286.293	263.080	259.211
87.5	235.998	174.097	147.015	139.278	143.146
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-S-50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	5846.86	N.A.	12.50
0-30	12677.4	N.A.	27.00
0-40	21215.16	N.A.	45.20
0-60	38650.65	N.A.	82.30
0-80	46545.76	N.A.	99.10
0-90	46956.69	N.A.	100.00
10-90	45469.65	N.A.	96.80
20-40	15368.3	N.A.	32.70
20-50	24491.61	N.A.	52.20
40-70	23130.45	N.A.	49.30
60-80	7895.12	N.A.	16.80
70-80	2200.16	N.A.	4.70
80-90	410.92	N.A.	0.90
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	46956.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1487.04
10-20	4359.82
20-30	6830.54
30-40	8537.76
40-50	9123.31
50-60	8312.18
60-70	5694.96
70-80	2200.16
80-90	410.92
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

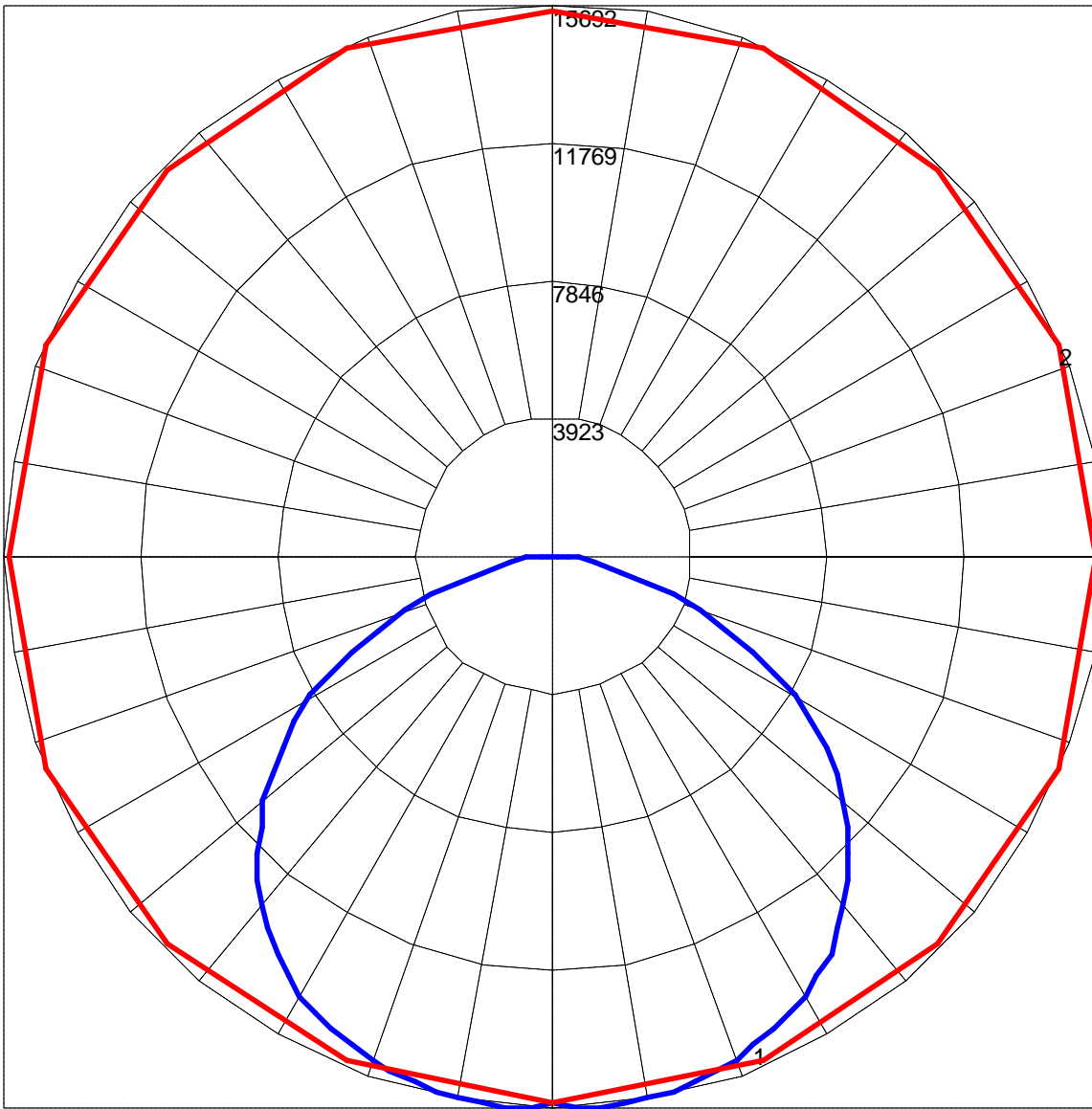
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-S-50.IES

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	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 15691.934 Located At Horizontal Angle = 22.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)