



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8608R\_Scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]05/02/17  
[TEST DATE]02/23/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LHBXD\_LHB14-LED-48L-SDFL-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	44396
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	379
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
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	43569	43269	41800
55	40318	39831	38157
65	36541	35881	33846
75	32703	31279	29035
85	32158	24215	19858

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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	16074.463	16074.463	16074.463	16074.463	16074.463
2.5	16059.234	16207.719	16146.802	16070.656	16047.812
5.0	16059.234	16203.912	16135.380	16051.619	16021.161
7.5	16028.776	16169.646	16097.307	15998.317	15967.859
10.0	15960.244	16093.500	16013.546	15906.942	15865.061
12.5	15834.603	15967.859	15887.905	15762.264	15724.191
15.0	15670.888	15800.337	15716.576	15583.320	15530.018
17.5	15488.138	15602.357	15503.367	15370.111	15305.387
20.0	15248.277	15362.496	15244.470	15095.985	15035.068
22.5	14970.343	15073.141	14943.692	14783.785	14711.446
25.0	14642.915	14730.483	14601.034	14429.705	14353.559
27.5	14277.413	14349.752	14224.111	14029.938	13953.792
30.0	13831.958	13892.875	13797.692	13592.097	13512.144
32.5	13371.273	13416.961	13314.163	13116.183	13028.615
35.0	12845.864	12910.589	12792.562	12598.389	12514.628
37.5	12309.034	12366.143	12244.309	12031.100	11958.761
40.0	11737.937	11795.047	11657.984	11437.160	11349.591
42.5	11128.767	11185.877	11056.429	10816.568	10744.229
45.0	10504.369	10550.056	10432.030	10192.169	10077.950
47.5	9876.162	9906.621	9777.172	9552.541	9438.322
50.0	9236.534	9263.185	9133.737	8893.876	8787.272
52.5	8543.604	8577.870	8448.421	8235.212	8117.185
55.0	7884.939	7884.939	7789.756	7584.162	7462.328
57.5	7184.394	7222.467	7119.670	6933.112	6803.663
60.0	6548.573	6559.995	6449.583	6266.832	6122.155
62.5	5908.945	5924.175	5809.955	5638.626	5497.756
65.0	5265.510	5292.161	5170.327	4987.576	4877.164
67.5	4679.184	4682.991	4557.350	4378.407	4245.151
70.0	4066.207	4073.822	3917.722	3769.237	3666.440
72.5	3445.616	3468.460	3331.396	3205.755	3110.572
75.0	2885.941	2855.483	2760.300	2642.273	2562.320
77.5	2326.266	2318.652	2215.854	2082.599	2017.874
80.0	1835.123	1793.243	1690.446	1560.997	1496.273
82.5	1359.210	1302.100	1191.688	1058.432	986.093
85.0	955.635	871.874	719.582	597.748	590.133
87.5	578.711	449.263	319.814	285.548	270.319
90.0	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	5957.91	N.A.	13.40
0-30	12664.62	N.A.	28.50
0-40	20628.39	N.A.	46.50
0-60	35539.17	N.A.	80.10
0-80	43544.43	N.A.	98.10
0-90	44396.1	N.A.	100.00
10-90	42862.6	N.A.	96.50
20-40	14670.48	N.A.	33.00
20-50	22665.1	N.A.	51.10
40-70	20000.65	N.A.	45.10
60-80	8005.26	N.A.	18.00
70-80	2915.4	N.A.	6.60
80-90	851.66	N.A.	1.90
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	44396.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1533.49
10-20	4424.41
20-30	6706.72
30-40	7963.77
40-50	7994.62
50-60	6916.16
60-70	5089.87
70-80	2915.4
80-90	851.66
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

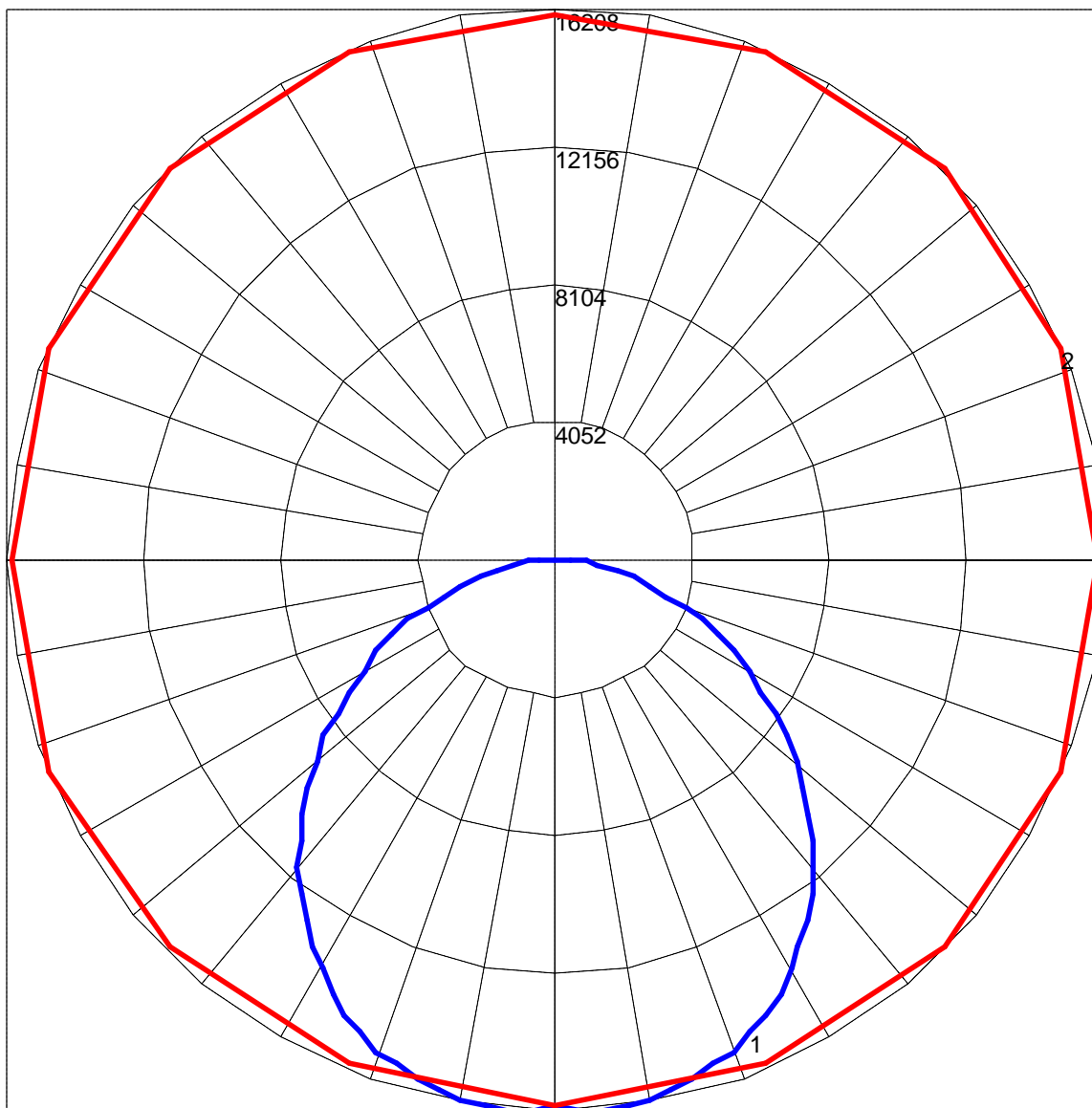
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	91	80	72	66	88	78	71	65	75	69	64	73	67	63	70	66	62	59
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 16207.719 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)