



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LHBXD14-LED-48L-SDFL-35.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-35  
[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	42218
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
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	41432	41146	39750
55	38340	37877	36285
65	34749	34121	32186
75	31098	29745	27611
85	30580	23027	18884

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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	15285.919	15285.919	15285.919	15285.919	15285.919
2.5	15271.437	15412.638	15354.710	15282.299	15260.576
5.0	15271.437	15409.018	15343.848	15264.196	15235.232
7.5	15242.473	15376.433	15307.643	15213.509	15184.544
10.0	15177.303	15304.022	15227.991	15126.616	15086.790
12.5	15057.825	15184.544	15108.513	14989.035	14952.830
15.0	14902.142	15025.241	14945.589	14818.870	14768.182
17.5	14728.356	14836.973	14742.838	14616.120	14554.570
20.0	14500.262	14608.879	14496.642	14355.441	14297.512
22.5	14235.963	14333.717	14210.619	14058.556	13989.766
25.0	13924.596	14007.869	13884.771	13721.846	13649.435
27.5	13577.025	13645.815	13526.337	13341.690	13269.279
30.0	13153.421	13211.350	13120.837	12925.327	12849.296
32.5	12715.336	12758.783	12661.028	12472.760	12389.488
35.0	12215.702	12277.251	12165.014	11980.367	11900.715
37.5	11705.206	11759.514	11643.656	11440.906	11372.116
40.0	11162.125	11216.433	11086.093	10876.102	10792.829
42.5	10582.838	10637.146	10514.048	10285.954	10217.164
45.0	9989.070	10032.516	9920.279	9692.185	9583.569
47.5	9391.681	9420.645	9297.546	9083.935	8975.318
50.0	8783.430	8808.774	8685.675	8457.581	8356.206
52.5	8124.492	8157.076	8033.978	7831.228	7718.991
55.0	7498.138	7498.138	7407.625	7212.115	7096.258
57.5	6831.959	6868.164	6770.410	6593.003	6469.905
60.0	6227.329	6238.190	6133.195	5959.409	5821.828
62.5	5619.078	5633.560	5524.944	5362.020	5228.060
65.0	5007.207	5032.550	4916.693	4742.907	4637.912
67.5	4449.644	4453.264	4333.786	4163.621	4036.902
70.0	3866.737	3873.978	3725.536	3584.335	3486.580
72.5	3276.589	3298.312	3167.972	3048.495	2957.981
75.0	2744.369	2715.405	2624.891	2512.655	2436.623
77.5	2212.150	2204.909	2107.154	1980.435	1918.886
80.0	1745.100	1705.274	1607.520	1484.421	1422.872
82.5	1292.533	1238.225	1133.229	1006.510	937.720
85.0	908.756	829.104	684.282	568.425	561.184
87.5	550.322	427.224	304.125	271.540	257.058
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	5665.64	N.A.	13.40
0-30	12043.35	N.A.	28.50
0-40	19616.45	N.A.	46.50
0-60	33795.77	N.A.	80.10
0-80	41408.33	N.A.	98.10
0-90	42218.22	N.A.	100.00
10-90	40759.95	N.A.	96.50
20-40	13950.81	N.A.	33.00
20-50	21553.25	N.A.	51.10
40-70	19019.5	N.A.	45.10
60-80	7612.56	N.A.	18.00
70-80	2772.38	N.A.	6.60
80-90	809.88	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	42218.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1458.27
10-20	4207.37
20-30	6377.71
30-40	7573.1
40-50	7602.44
50-60	6576.89
60-70	4840.18
70-80	2772.38
80-90	809.88
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

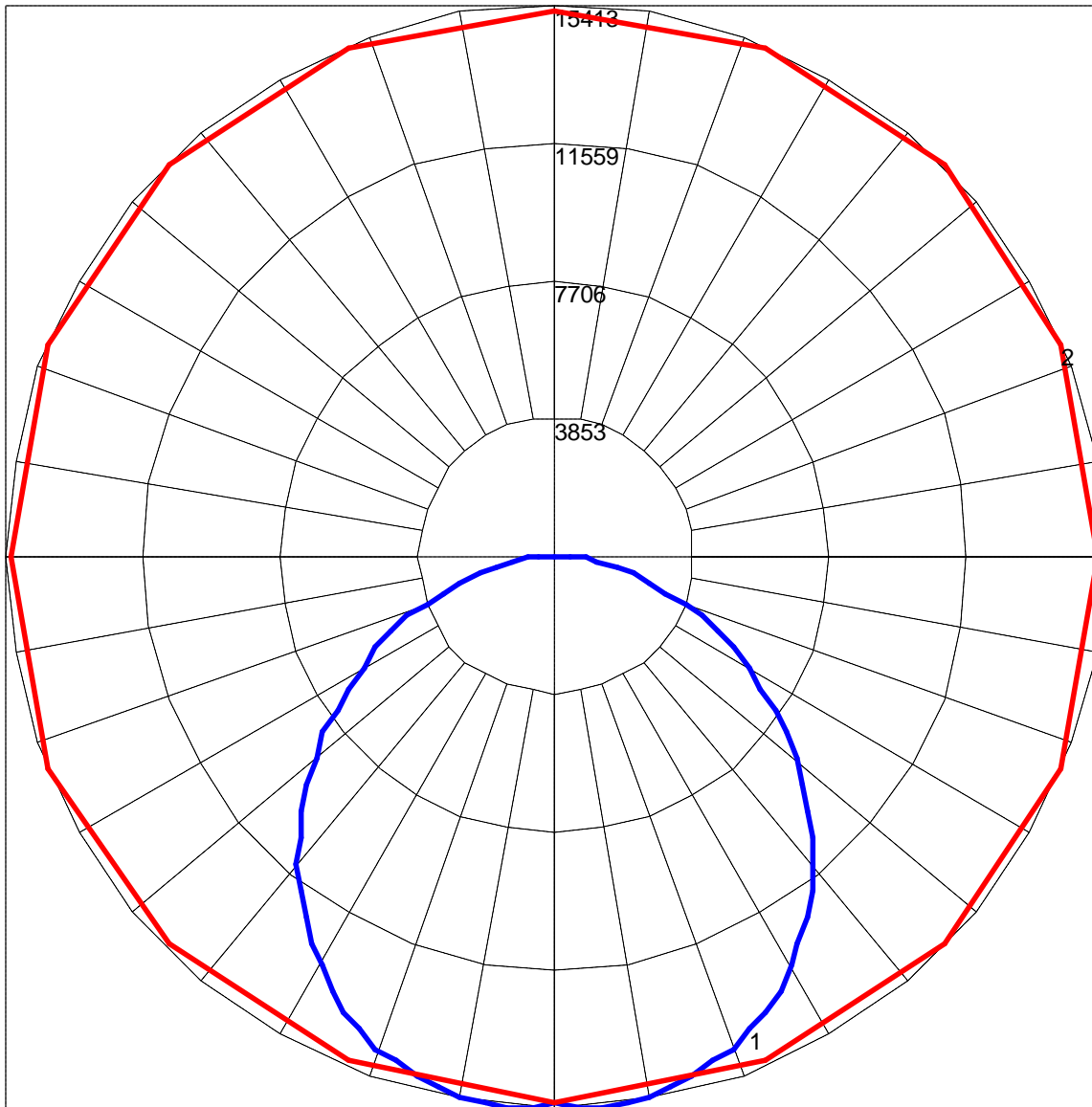
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 15412.638 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.)