



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LHBXD14-LED-48L-SDFL-40.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-40
[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	41548
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
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	40774	40493	39119
55	37732	37276	35709
65	34197	33579	31675
75	30605	29272	27173
85	30095	22661	18585

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-SDFL-40.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	15043.324	15043.324	15043.324	15043.324	15043.324
2.5	15029.072	15168.032	15111.023	15039.761	15018.383
5.0	15029.072	15164.469	15100.333	15021.946	14993.441
7.5	15000.567	15132.401	15064.703	14972.062	14943.558
10.0	14936.432	15061.139	14986.315	14886.549	14847.355
12.5	14818.850	14943.558	14868.733	14751.151	14715.521
15.0	14665.638	14786.782	14708.395	14583.687	14533.804
17.5	14494.610	14601.502	14508.862	14384.154	14323.582
20.0	14270.136	14377.028	14266.573	14127.612	14070.603
22.5	14010.031	14106.234	13985.089	13835.440	13767.741
25.0	13703.606	13785.557	13664.412	13504.073	13432.812
27.5	13361.550	13429.249	13311.667	13129.950	13058.688
30.0	12944.670	13001.679	12912.602	12720.196	12645.371
32.5	12513.537	12556.294	12460.091	12274.811	12192.860
35.0	12021.832	12082.405	11971.949	11790.232	11711.844
37.5	11519.438	11572.884	11458.866	11259.333	11191.635
40.0	10984.976	11038.422	10910.151	10703.493	10621.542
42.5	10414.883	10468.329	10347.185	10122.710	10055.012
45.0	9830.538	9873.295	9762.839	9538.365	9431.473
47.5	9242.630	9271.134	9149.990	8939.768	8832.875
50.0	8644.032	8668.974	8547.829	8323.355	8223.589
52.5	7995.552	8027.619	7906.475	7706.942	7596.487
55.0	7379.139	7379.139	7290.062	7097.656	6983.637
57.5	6723.532	6759.163	6662.960	6488.369	6367.224
60.0	6128.498	6139.187	6035.858	5864.830	5729.433
62.5	5529.900	5544.153	5437.260	5276.922	5145.088
65.0	4927.740	4952.681	4838.663	4667.635	4564.306
67.5	4379.025	4382.588	4265.007	4097.542	3972.834
70.0	3805.370	3812.496	3666.409	3527.449	3431.246
72.5	3224.587	3245.966	3117.695	3000.113	2911.036
75.0	2700.815	2672.310	2583.233	2472.778	2397.953
77.5	2177.042	2169.916	2073.713	1949.005	1888.432
80.0	1717.405	1678.211	1582.008	1460.863	1400.290
82.5	1272.020	1218.573	1115.244	990.536	922.838
85.0	894.333	815.945	673.422	559.404	552.277
87.5	541.588	420.443	299.299	267.231	252.979
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-SDFL-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	5575.72	N.A.	13.40
0-30	11852.22	N.A.	28.50
0-40	19305.13	N.A.	46.50
0-60	33259.42	N.A.	80.10
0-80	40751.16	N.A.	98.10
0-90	41548.19	N.A.	100.00
10-90	40113.07	N.A.	96.50
20-40	13729.41	N.A.	33.00
20-50	21211.19	N.A.	51.10
40-70	18717.65	N.A.	45.10
60-80	7491.75	N.A.	18.00
70-80	2728.38	N.A.	6.60
80-90	797.03	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	41548.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1435.12
10-20	4140.6
20-30	6276.49
30-40	7452.91
40-50	7481.78
50-60	6472.51
60-70	4763.36
70-80	2728.38
80-90	797.03
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

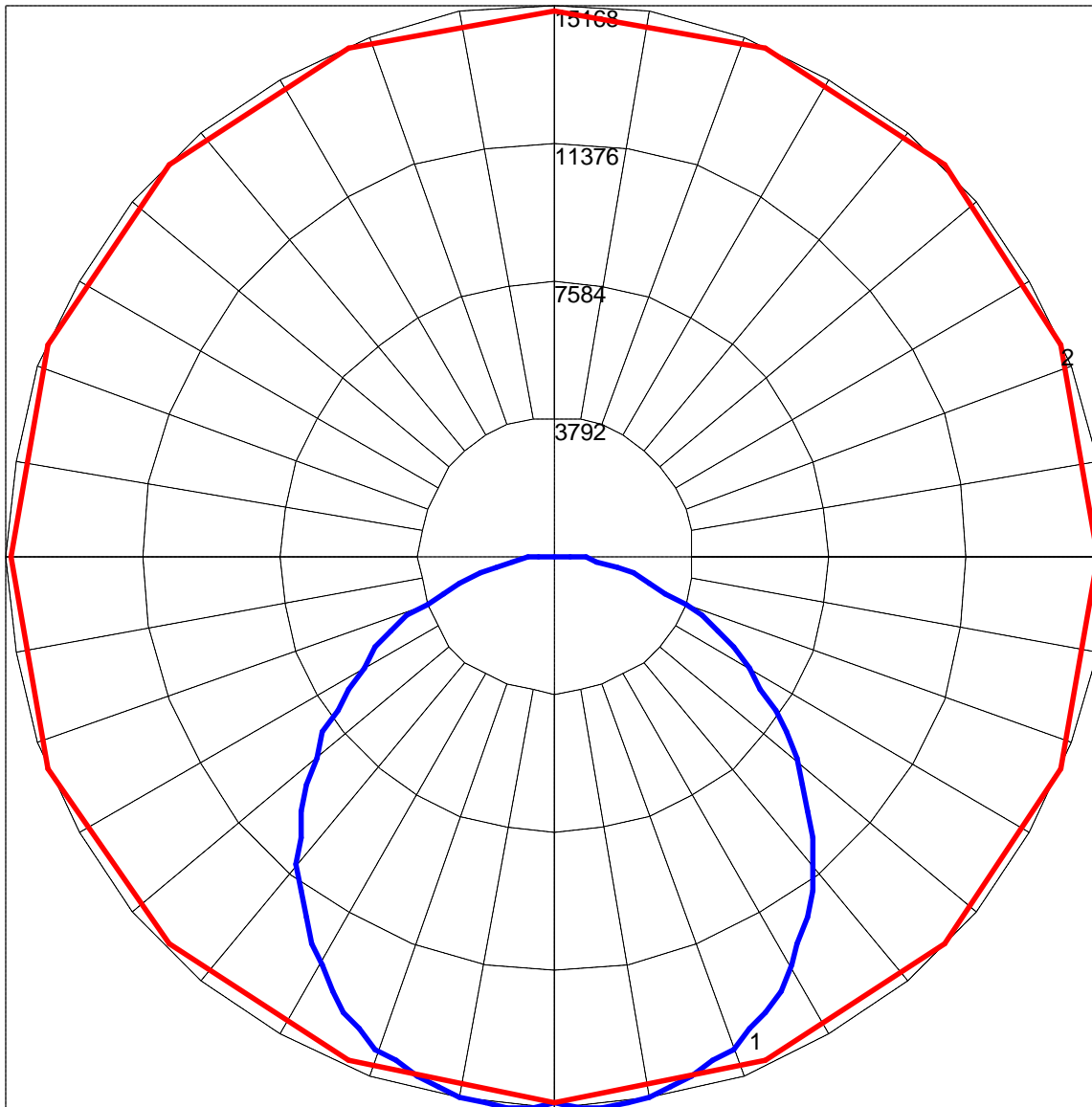
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-SDFL-40.IES

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	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 = 15168.032 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.)