



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-24L-AL-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8609R_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/02/17
[TEST DATE]02/23/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LHBXD_LHB11-LED-24L-AL-50
[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	22480
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	152
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.52
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	23640	25135	22108
55	23010	21956	16685
65	21164	14284	7789
75	16111	5587	3027
85	8024	2293	1569

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-24L-AL-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	7243.235	7243.235	7243.235	7243.235	7243.235
2.5	7230.685	7298.815	7286.265	7262.957	7243.235
5.0	7255.786	7343.637	7363.358	7370.530	7363.358
7.5	7297.022	7409.973	7492.446	7537.268	7539.061
10.0	7345.430	7506.789	7646.633	7711.177	7725.520
12.5	7393.837	7608.983	7815.164	7895.844	7924.530
15.0	7427.902	7721.934	7992.659	8085.889	8109.197
17.5	7411.766	7793.650	8164.776	8254.420	8277.727
20.0	7354.394	7834.886	8309.999	8392.472	8354.821
22.5	7257.578	7829.507	8415.779	8433.708	8345.857
25.0	7121.320	7788.271	8442.672	8381.714	8200.633
27.5	6947.410	7711.177	8378.129	8211.391	7935.287
30.0	6755.572	7596.433	8238.284	7924.530	7587.468
32.5	6570.905	7463.760	8003.417	7551.611	7171.520
35.0	6409.546	7349.015	7696.834	7099.805	6726.886
37.5	6244.601	7221.721	7320.329	6633.656	6314.524
40.0	6068.899	7067.533	6934.860	6208.744	5972.083
42.5	5907.540	6875.695	6500.983	5835.825	5651.158
45.0	5699.566	6649.792	6059.935	5473.663	5330.232
47.5	5453.941	6352.174	5617.093	5107.915	4989.585
50.0	5163.495	5993.598	5181.423	4738.582	4570.051
52.5	4844.362	5577.650	4747.546	4247.333	3942.543
55.0	4500.129	5102.537	4293.948	3623.411	3263.042
57.5	4164.860	4544.951	3840.349	2949.288	2597.883
60.0	3826.006	4008.880	3297.106	2319.987	2038.505
62.5	3440.537	3496.116	2671.391	1787.501	1563.391
65.0	3049.689	2997.695	2058.226	1339.281	1122.343
67.5	2642.705	2517.204	1534.705	943.055	758.388
70.0	2253.650	2034.919	1088.278	636.472	516.349
72.5	1843.081	1566.977	740.459	433.877	362.162
75.0	1421.754	1113.379	493.042	310.168	267.139
77.5	1036.285	724.324	331.683	220.524	191.838
80.0	709.981	444.634	224.110	148.809	130.880
82.5	426.705	265.346	132.673	91.437	82.472
85.0	238.453	143.430	68.129	51.994	46.615
87.5	107.573	59.165	30.479	25.100	26.893
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-24L-AL-50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2949.33	N.A.	13.10
0-30	6651.86	N.A.	29.60
0-40	11138.34	N.A.	49.50
0-60	19451.04	N.A.	86.50
0-80	22347.58	N.A.	99.40
0-90	22480.22	N.A.	100.00
10-90	21770.65	N.A.	96.80
20-40	8189.01	N.A.	36.40
20-50	12748.52	N.A.	56.70
40-70	10440.31	N.A.	46.40
60-80	2896.54	N.A.	12.90
70-80	768.93	N.A.	3.40
80-90	132.65	N.A.	0.60
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	22480.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	709.57
10-20	2239.76
20-30	3702.53
30-40	4486.48
40-50	4559.51
50-60	3753.19
60-70	2127.61
70-80	768.93
80-90	132.65
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

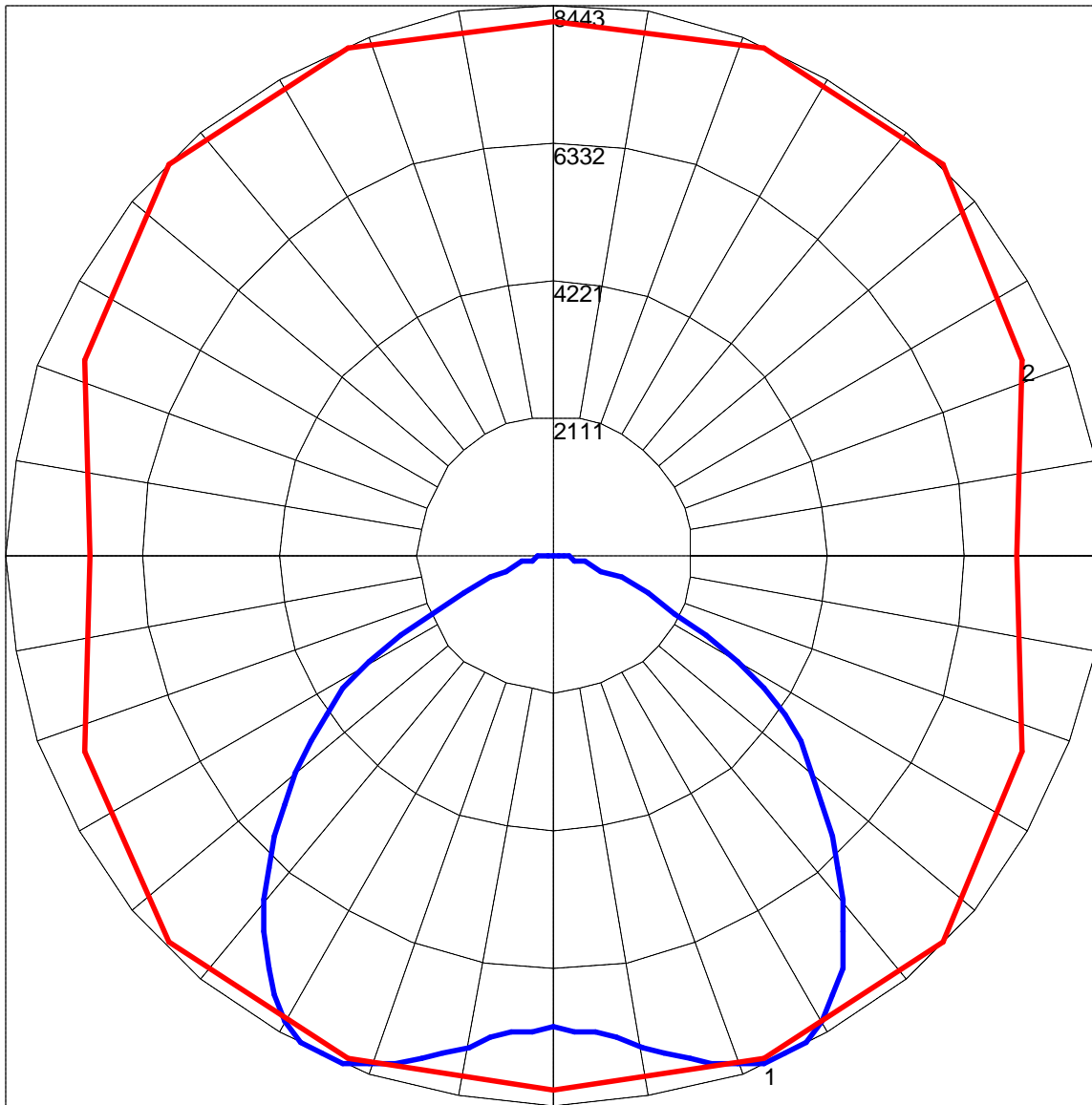
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-24L-AL-50.IES

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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	50	63	55	50	61	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	56	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 8442.672 Located At Horizontal Angle = 45, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)