



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-24L-AL-35.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-35
[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	21377
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
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	22480	23902	21024
55	21882	20879	15866
65	20126	13583	7407
75	15320	5313	2879
85	7630	2180	1492

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-24L-AL-35.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	6887.877	6887.877	6887.877	6887.877	6887.877
2.5	6875.943	6940.730	6928.795	6906.631	6887.877
5.0	6899.811	6983.353	7002.107	7008.926	7002.107
7.5	6939.025	7046.435	7124.861	7167.484	7169.189
10.0	6985.057	7138.500	7271.484	7332.861	7346.501
12.5	7031.090	7235.681	7431.747	7508.468	7535.747
15.0	7063.484	7343.091	7600.534	7689.189	7711.353
17.5	7048.140	7411.287	7764.206	7849.452	7871.616
20.0	6993.582	7450.501	7902.304	7980.731	7944.927
22.5	6901.516	7445.386	8002.895	8019.944	7936.403
25.0	6771.942	7406.173	8028.469	7970.501	7798.304
27.5	6606.565	7332.861	7967.091	7808.534	7545.976
30.0	6424.139	7223.746	7834.108	7535.747	7215.222
32.5	6248.532	7097.582	7610.763	7181.123	6819.680
35.0	6095.089	6988.467	7319.222	6751.483	6396.860
37.5	5938.237	6867.418	6961.189	6308.204	6004.728
40.0	5771.154	6720.795	6594.631	5904.138	5679.089
42.5	5617.712	6538.368	6182.040	5549.515	5373.908
45.0	5419.941	6323.548	5762.630	5205.121	5068.727
47.5	5186.367	6040.532	5341.515	4857.317	4744.793
50.0	4910.170	5699.548	4927.219	4506.104	4345.841
52.5	4606.694	5304.006	4514.628	4038.956	3749.119
55.0	4279.349	4852.202	4083.284	3445.643	3102.954
57.5	3960.529	4321.972	3651.939	2804.593	2470.429
60.0	3638.299	3812.201	3135.348	2206.167	1938.494
62.5	3271.742	3324.594	2540.331	1699.805	1486.690
65.0	2900.069	2850.626	1957.248	1273.575	1067.280
67.5	2513.052	2393.708	1459.412	896.788	721.181
70.0	2143.085	1935.084	1034.886	605.247	491.017
72.5	1752.658	1490.100	704.132	412.591	344.394
75.0	1352.002	1058.755	468.853	294.951	254.033
77.5	985.444	688.788	315.410	209.705	182.426
80.0	675.148	422.820	213.115	141.508	124.459
82.5	405.771	252.328	126.164	86.951	78.426
85.0	226.754	136.394	64.787	49.443	44.328
87.5	102.295	56.262	28.984	23.869	25.574
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-24L-AL-35.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2804.63	N.A.	13.10
0-30	6325.51	N.A.	29.60
0-40	10591.88	N.A.	49.50
0-60	18496.75	N.A.	86.50
0-80	21251.19	N.A.	99.40
0-90	21377.33	N.A.	100.00
10-90	20702.57	N.A.	96.80
20-40	7787.25	N.A.	36.40
20-50	12123.06	N.A.	56.70
40-70	9928.1	N.A.	46.40
60-80	2754.43	N.A.	12.90
70-80	731.20	N.A.	3.40
80-90	126.14	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	21377.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	674.76
10-20	2129.88
20-30	3520.88
30-40	4266.37
40-50	4335.82
50-60	3569.06
60-70	2023.23
70-80	731.20
80-90	126.14
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

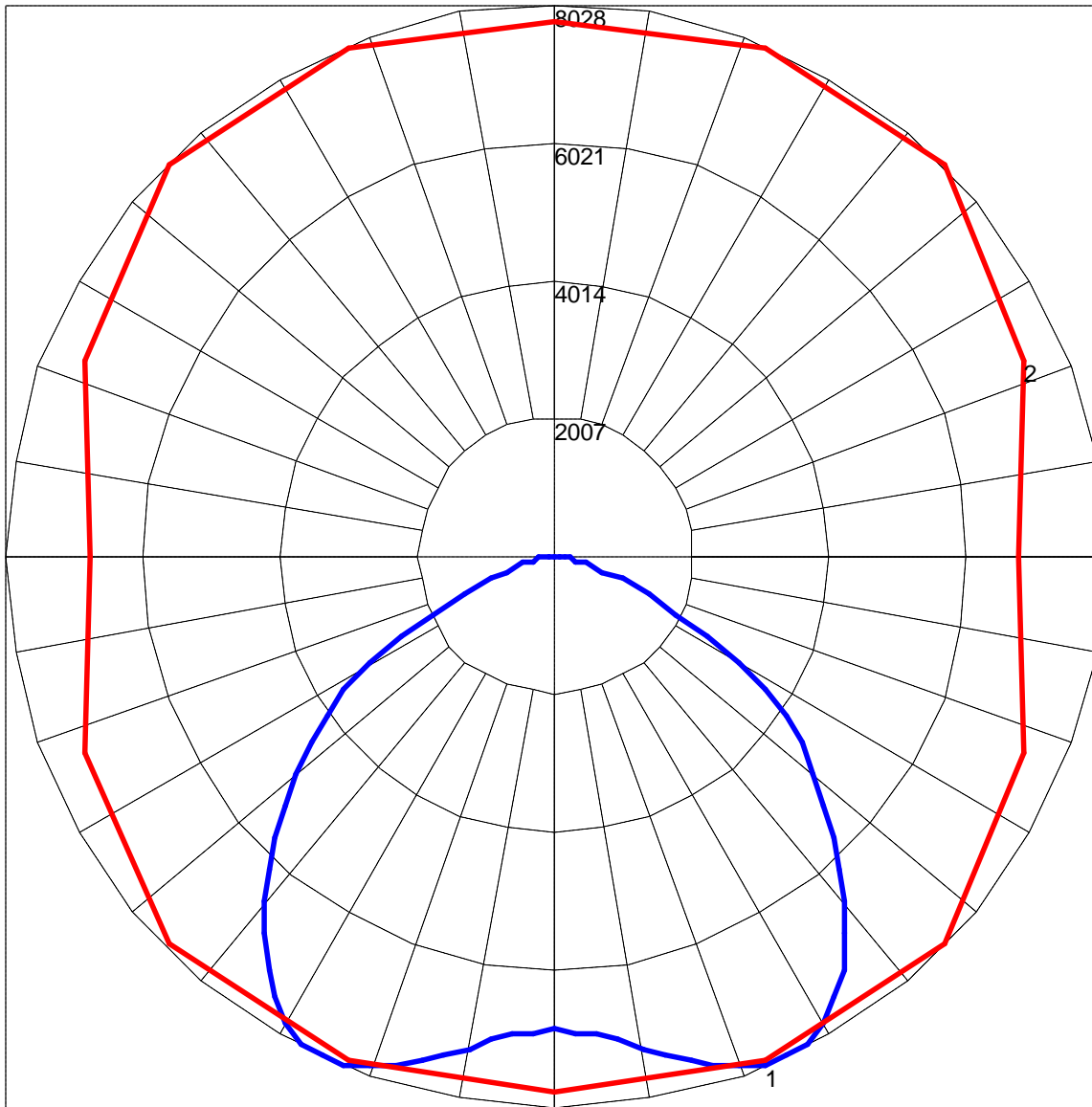
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-24L-AL-35.IES

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 = 8028.469 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.)