



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-30L-S-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8707R_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/02/17
[TEST DATE]03/17/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LHBXD_LHB11-LED-30L-S-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	26959
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	213
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.48
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	28256	28256	27924
55	27440	27508	27043
65	25003	24355	18868
75	18097	12132	7375
85	9343	5531	5008

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-30L-S-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	8933.747	8933.747	8933.747	8933.747	8933.747
2.5	8904.871	9004.826	8973.729	8938.189	8924.862
5.0	8920.420	9009.268	8969.286	8929.304	8913.756
7.5	8918.198	9000.384	8955.959	8907.092	8895.986
10.0	8907.092	8980.393	8938.189	8889.323	8884.880
12.5	8882.659	8947.074	8909.313	8867.110	8856.004
15.0	8838.234	8900.429	8864.889	8822.686	8807.137
17.5	8782.704	8838.234	8816.022	8756.049	8747.164
20.0	8702.740	8758.271	8744.943	8673.864	8651.652
22.5	8609.449	8662.758	8647.210	8573.909	8558.361
25.0	8505.051	8551.697	8529.485	8453.963	8440.636
27.5	8369.557	8422.866	8385.106	8318.469	8305.142
30.0	8222.957	8274.045	8236.284	8165.205	8138.550
32.5	8045.259	8100.789	8065.250	7983.065	7958.631
35.0	7847.570	7900.880	7867.561	7776.491	7758.722
37.5	7618.785	7674.315	7645.439	7556.590	7536.600
40.0	7372.229	7421.096	7387.778	7312.256	7307.814
42.5	7105.683	7152.328	7107.904	7054.595	7041.267
45.0	6812.482	6854.685	6812.482	6759.173	6732.518
47.5	6481.520	6528.166	6501.511	6428.211	6414.883
50.0	6137.231	6183.877	6155.001	6079.479	6077.258
52.5	5752.960	5815.154	5779.614	5708.535	5704.093
55.0	5366.468	5426.441	5379.795	5308.716	5288.725
57.5	4946.657	5011.072	4959.984	4866.693	4822.269
60.0	4520.183	4571.271	4515.740	4351.370	4222.539
62.5	4060.390	4122.584	4042.620	3751.641	3489.537
65.0	3602.819	3640.580	3509.528	3000.868	2718.773
67.5	3087.496	3114.150	2916.462	2276.751	1970.222
70.0	2589.943	2585.500	2250.096	1597.057	1350.502
72.5	2067.956	2076.841	1603.721	1083.955	935.134
75.0	1597.057	1585.951	1070.628	739.666	650.817
77.5	1159.477	1128.380	704.127	513.102	473.120
80.0	788.533	724.118	450.908	355.395	339.847
82.5	488.668	417.589	282.095	237.671	228.786
85.0	277.653	224.343	164.370	151.043	148.822
87.5	135.494	99.955	84.406	79.964	82.185
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-30L-S-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3356.88	N.A.	12.50
0-30	7278.52	N.A.	27.00
0-40	12180.34	N.A.	45.20
0-60	22190.64	N.A.	82.30
0-80	26723.49	N.A.	99.10
0-90	26959.42	N.A.	100.00
10-90	26105.66	N.A.	96.80
20-40	8823.46	N.A.	32.70
20-50	14061.46	N.A.	52.20
40-70	13279.97	N.A.	49.30
60-80	4532.85	N.A.	16.80
70-80	1263.18	N.A.	4.70
80-90	235.92	N.A.	0.90
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	26959.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	853.76
10-20	2503.12
20-30	3921.64
30-40	4901.82
40-50	5238.00
50-60	4772.3
60-70	3269.67
70-80	1263.18
80-90	235.92
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

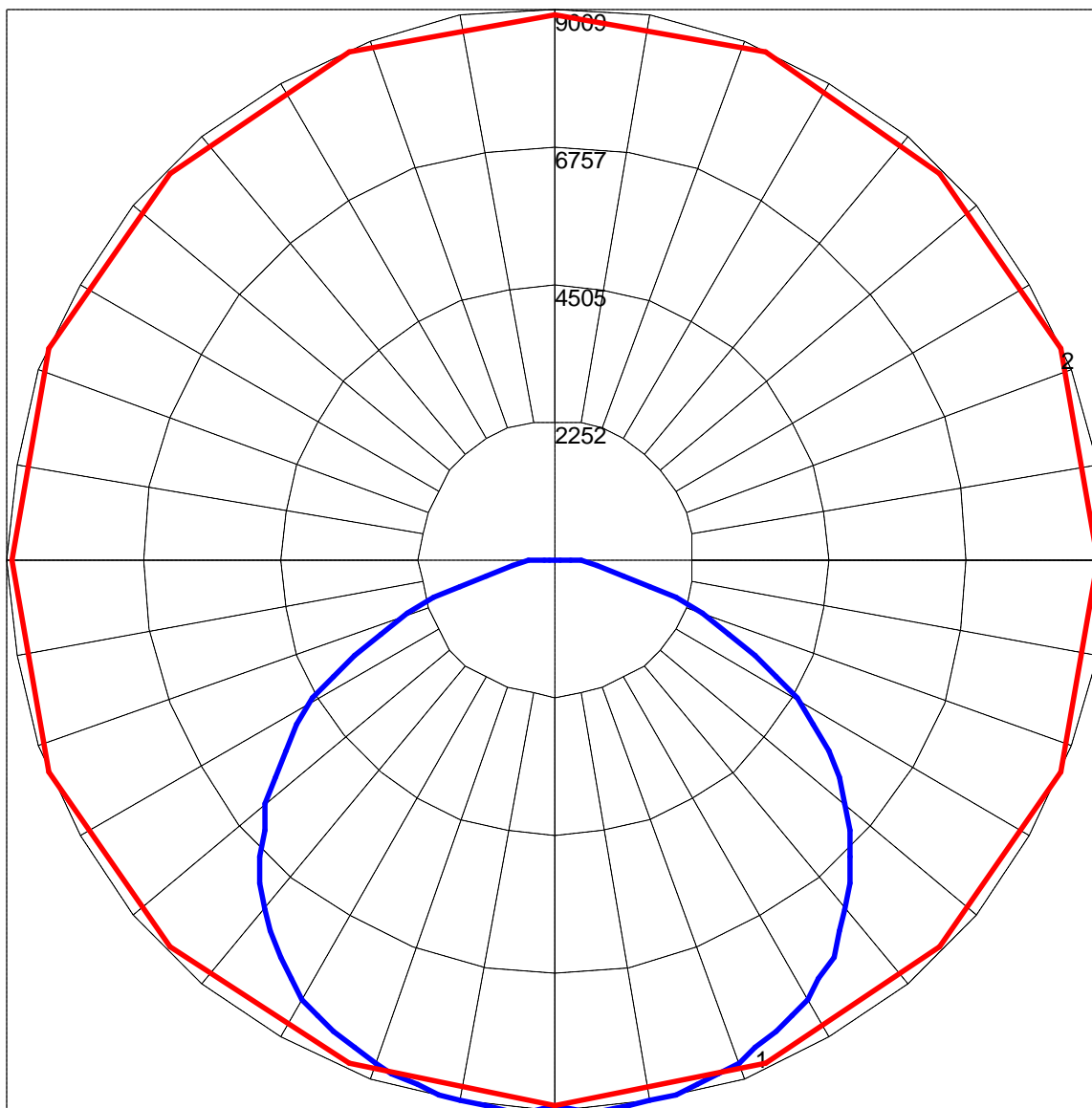
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-30L-S-40.IES

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	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 9009.268 Located At Horizontal Angle = 22.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)