



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-12L-S-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]LED-8707R_Scaled
 [TESTLAB]LSI INDUSTRIES, INC
 [ISSUEDATE]05/02/17
 [TESTDATE]03/17/17
 [MANUFAC]LSI INDUSTRIES, INC
 [LUMCAT]LHBXD_LHB11-LED-12L-S-50
 [_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
 [OTHER]TEST PROCEDURE: IESNA LM-79-08
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12969
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	89
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	13593	13593	13433
55	13201	13233	13009
65	12028	11716	9077
75	8706	5836	3548
85	4495	2661	2409

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-12L-S-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	4297.708	4297.708	4297.708	4297.708	4297.708
2.5	4283.817	4331.902	4316.942	4299.845	4293.434
5.0	4291.297	4334.039	4314.805	4295.571	4288.091
7.5	4290.228	4329.765	4308.394	4284.885	4279.543
10.0	4284.885	4320.148	4299.845	4276.337	4274.200
12.5	4273.131	4304.119	4285.954	4265.652	4260.309
15.0	4251.760	4281.680	4264.583	4244.281	4236.801
17.5	4225.047	4251.760	4241.075	4212.224	4207.950
20.0	4186.579	4213.293	4206.881	4172.688	4162.002
22.5	4141.700	4167.345	4159.865	4124.603	4117.123
25.0	4091.478	4113.917	4103.232	4066.901	4060.490
27.5	4026.296	4051.942	4033.776	4001.720	3995.308
30.0	3955.772	3980.349	3962.183	3927.990	3915.167
32.5	3870.288	3897.002	3879.905	3840.369	3828.615
35.0	3775.187	3800.832	3784.804	3740.994	3732.445
37.5	3665.126	3691.840	3677.949	3635.207	3625.590
40.0	3546.517	3570.026	3553.997	3517.667	3515.529
42.5	3418.291	3440.731	3419.360	3393.715	3387.303
45.0	3277.243	3297.545	3277.243	3251.598	3238.775
47.5	3118.029	3140.468	3127.646	3092.384	3085.972
50.0	2952.404	2974.843	2960.952	2924.621	2923.553
52.5	2767.544	2797.464	2780.367	2746.173	2744.036
55.0	2581.617	2610.468	2588.028	2553.834	2544.218
57.5	2379.661	2410.649	2386.072	2341.193	2319.822
60.0	2174.499	2199.076	2172.362	2093.289	2031.314
62.5	1953.309	1983.229	1944.761	1804.781	1678.692
65.0	1733.188	1751.353	1688.309	1443.611	1307.905
67.5	1485.284	1498.107	1403.006	1095.264	947.804
70.0	1245.929	1243.792	1082.441	768.287	649.678
72.5	994.820	999.094	771.493	521.452	449.860
75.0	768.287	762.945	515.041	355.827	313.085
77.5	557.783	542.823	338.730	246.835	227.601
80.0	379.335	348.347	216.916	170.968	163.488
82.5	235.081	200.887	135.706	114.335	110.061
85.0	133.569	107.924	79.073	72.661	71.593
87.5	65.182	48.085	40.605	38.468	39.536
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-12L-S-50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1614.87	N.A.	12.50
0-30	3501.44	N.A.	27.00
0-40	5859.53	N.A.	45.20
0-60	10675.13	N.A.	82.30
0-80	12855.72	N.A.	99.10
0-90	12969.22	N.A.	100.00
10-90	12558.5	N.A.	96.80
20-40	4244.65	N.A.	32.70
20-50	6764.47	N.A.	52.20
40-70	6388.52	N.A.	49.30
60-80	2180.59	N.A.	16.80
70-80	607.67	N.A.	4.70
80-90	113.50	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	12969.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	410.71
10-20	1204.16
20-30	1886.56
30-40	2358.09
40-50	2519.82
50-60	2295.78
60-70	1572.92
70-80	607.67
80-90	113.50
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

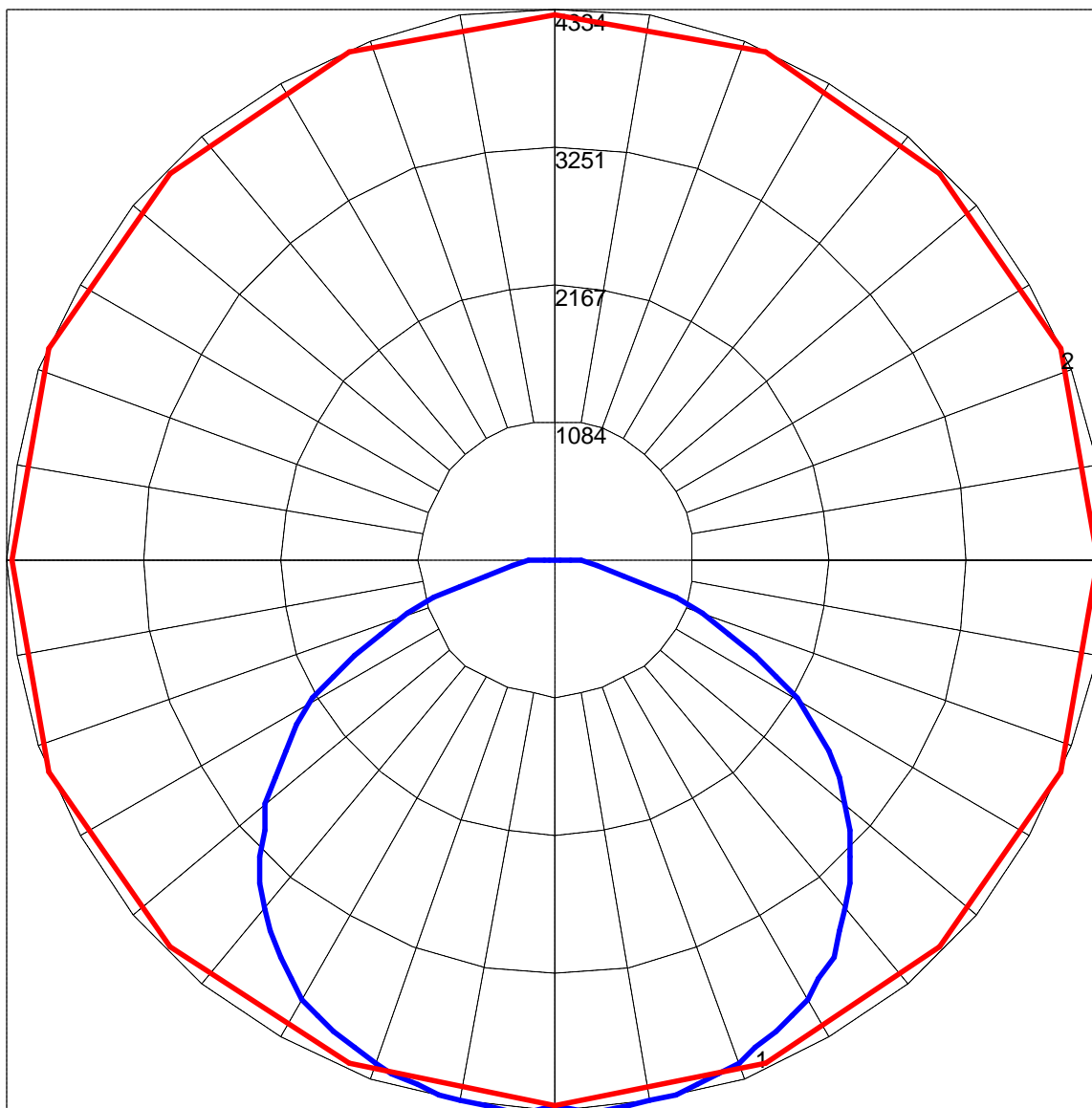
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-12L-S-50.IES

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	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 = 4334.039 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.)