



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-18L-SDFL-50.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_LHB11-LED-18L-SDFL-50
[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	17403
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	131
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	17078	16961	16385
55	15804	15613	14957
65	14324	14065	13267
75	12819	12261	11382
85	12605	9492	7784

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	6300.997	6300.997	6300.997	6300.997	6300.997
2.5	6295.027	6353.232	6329.353	6299.505	6290.550
5.0	6295.027	6351.739	6324.876	6292.043	6280.103
7.5	6283.088	6338.308	6309.952	6271.149	6259.209
10.0	6256.224	6308.459	6277.118	6235.331	6218.914
12.5	6206.975	6259.209	6227.868	6178.619	6163.694
15.0	6142.801	6193.543	6160.710	6108.475	6087.581
17.5	6071.164	6115.937	6077.134	6024.899	5999.528
20.0	5977.142	6021.915	5975.650	5917.445	5893.566
22.5	5868.195	5908.491	5857.748	5795.067	5766.711
25.0	5739.847	5774.173	5723.431	5656.272	5626.423
27.5	5596.575	5624.931	5575.681	5499.568	5469.719
30.0	5421.962	5445.840	5408.530	5327.939	5296.598
32.5	5241.379	5259.288	5218.993	5141.387	5107.061
35.0	5035.425	5060.796	5014.531	4938.418	4905.584
37.5	4824.994	4847.380	4799.623	4716.047	4687.691
40.0	4601.131	4623.517	4569.790	4483.230	4448.904
42.5	4362.344	4384.730	4333.988	4239.965	4211.609
45.0	4117.587	4135.496	4089.231	3995.208	3950.436
47.5	3871.337	3883.277	3832.534	3744.482	3699.709
50.0	3620.611	3631.058	3580.315	3486.293	3444.505
52.5	3348.990	3362.422	3311.680	3228.104	3181.839
55.0	3090.802	3090.802	3053.491	2972.901	2925.143
57.5	2816.196	2831.121	2790.825	2717.697	2666.954
60.0	2566.962	2571.440	2528.159	2456.523	2399.811
62.5	2316.236	2322.205	2277.433	2210.274	2155.054
65.0	2064.017	2074.464	2026.706	1955.070	1911.790
67.5	1834.184	1835.677	1786.427	1716.283	1664.048
70.0	1593.905	1596.889	1535.700	1477.496	1437.200
72.5	1350.640	1359.595	1305.867	1256.618	1219.307
75.0	1131.254	1119.315	1082.004	1035.739	1004.399
77.5	911.869	908.884	868.588	816.354	790.983
80.0	719.346	702.930	662.634	611.892	586.521
82.5	532.794	510.408	467.127	414.893	386.537
85.0	374.597	341.764	282.067	234.310	231.325
87.5	226.848	176.106	125.363	111.931	105.962
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2335.43	N.A.	13.40
0-30	4964.38	N.A.	28.50
0-40	8086.08	N.A.	46.50
0-60	13930.93	N.A.	80.10
0-80	17068.9	N.A.	98.10
0-90	17402.74	N.A.	100.00
10-90	16801.63	N.A.	96.50
20-40	5750.65	N.A.	33.00
20-50	8884.45	N.A.	51.10
40-70	7840.01	N.A.	45.10
60-80	3137.97	N.A.	18.00
70-80	1142.8	N.A.	6.60
80-90	333.84	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	17402.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	601.11
10-20	1734.32
20-30	2628.95
30-40	3121.7
40-50	3133.79
50-60	2711.05
60-70	1995.17
70-80	1142.8
80-90	333.84
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

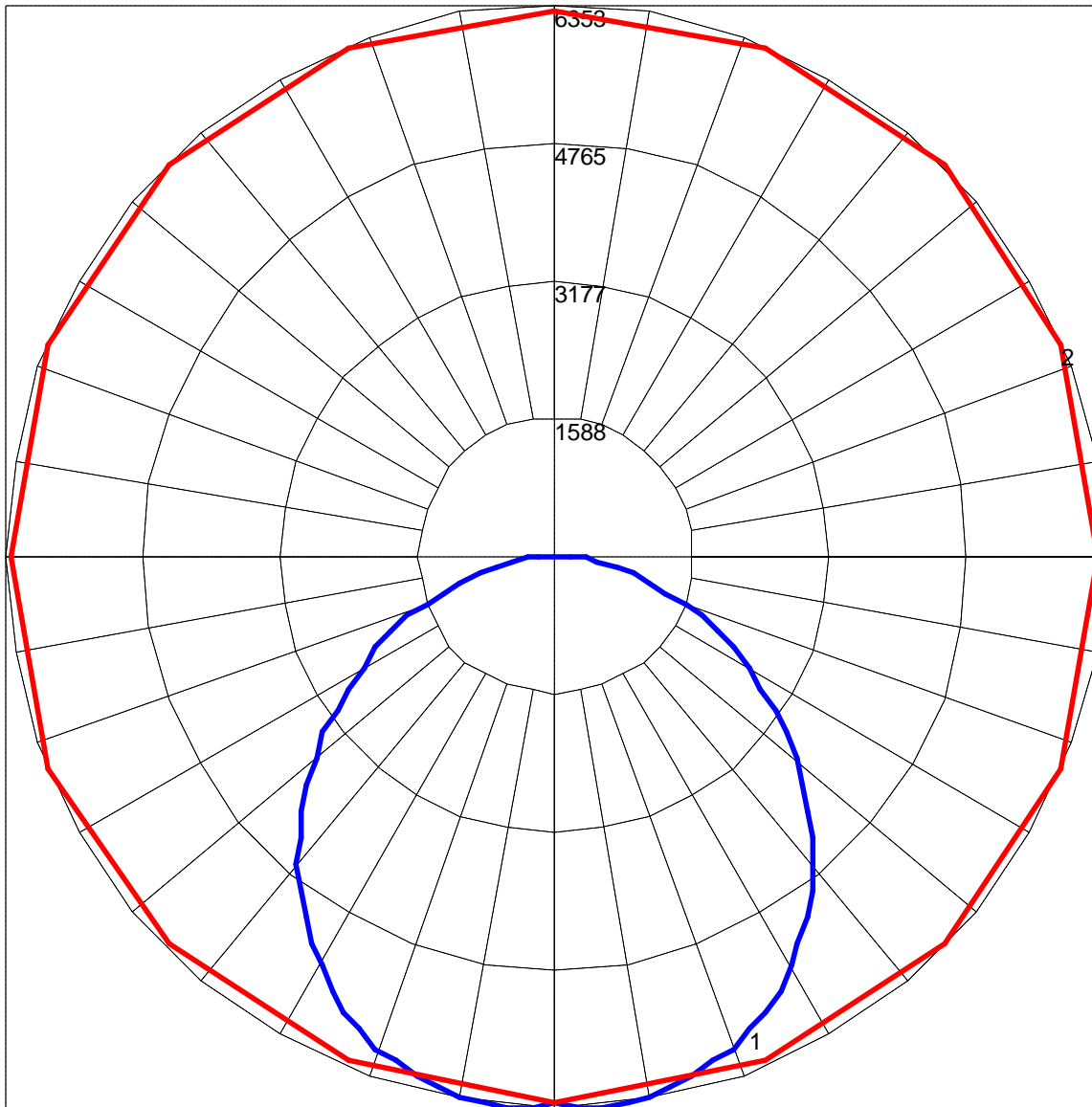
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	41	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 = 6353.232 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.)