



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-18L-SDFL-35.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-35
[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	16549
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
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	16240	16129	15581
55	15029	14847	14223
65	13621	13375	12616
75	12190	11659	10823
85	11987	9026	7402

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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	5991.778	5991.778	5991.778	5991.778	5991.778
2.5	5986.101	6041.449	6018.743	5990.359	5981.844
5.0	5986.101	6040.030	6014.485	5983.263	5971.910
7.5	5974.748	6027.258	6000.293	5963.395	5952.041
10.0	5949.203	5998.874	5969.071	5929.334	5913.723
12.5	5902.370	5952.041	5922.238	5875.405	5861.214
15.0	5841.345	5889.597	5858.375	5808.704	5788.835
17.5	5773.224	5815.800	5778.901	5729.230	5705.104
20.0	5683.816	5726.391	5682.397	5627.049	5604.342
22.5	5580.216	5618.534	5570.282	5510.676	5483.712
25.0	5458.166	5490.808	5442.555	5378.692	5350.309
27.5	5321.925	5348.890	5302.057	5229.678	5201.295
30.0	5155.881	5178.588	5143.108	5066.473	5036.670
32.5	4984.160	5001.190	4962.873	4889.075	4856.434
35.0	4788.313	4812.440	4768.445	4696.067	4664.845
37.5	4588.209	4609.497	4564.083	4484.609	4457.644
40.0	4375.332	4396.620	4345.529	4263.217	4230.576
42.5	4148.263	4169.551	4121.299	4031.890	4004.926
45.0	3915.518	3932.548	3888.553	3799.145	3756.570
47.5	3681.353	3692.706	3644.454	3560.723	3518.147
50.0	3442.931	3452.865	3404.613	3315.205	3275.468
52.5	3184.640	3197.413	3149.160	3069.686	3025.692
55.0	2939.122	2939.122	2903.642	2827.007	2781.593
57.5	2677.993	2692.185	2653.867	2584.327	2536.075
60.0	2440.990	2445.247	2404.091	2335.970	2282.041
62.5	2202.567	2208.244	2165.669	2101.806	2049.296
65.0	1962.726	1972.660	1927.246	1859.126	1817.970
67.5	1744.172	1745.591	1698.759	1632.057	1582.386
70.0	1515.684	1518.523	1460.336	1404.988	1366.670
72.5	1284.358	1292.873	1241.783	1194.950	1159.470
75.0	1075.738	1064.385	1028.906	984.911	955.108
77.5	867.119	864.281	825.963	776.291	752.165
80.0	684.045	668.434	630.116	581.864	557.738
82.5	506.647	485.360	444.203	394.532	367.568
85.0	356.214	324.992	268.225	222.811	219.973
87.5	215.715	167.463	119.211	106.439	100.762
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	2220.82	N.A.	13.40
0-30	4720.75	N.A.	28.50
0-40	7689.26	N.A.	46.50
0-60	13247.27	N.A.	80.10
0-80	16231.25	N.A.	98.10
0-90	16548.71	N.A.	100.00
10-90	15977.09	N.A.	96.50
20-40	5468.44	N.A.	33.00
20-50	8448.45	N.A.	51.10
40-70	7455.27	N.A.	45.10
60-80	2983.97	N.A.	18.00
70-80	1086.72	N.A.	6.60
80-90	317.46	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	16548.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	571.61
10-20	1649.21
20-30	2499.94
30-40	2968.51
40-50	2980.00
50-60	2578.01
60-70	1897.26
70-80	1086.72
80-90	317.46
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

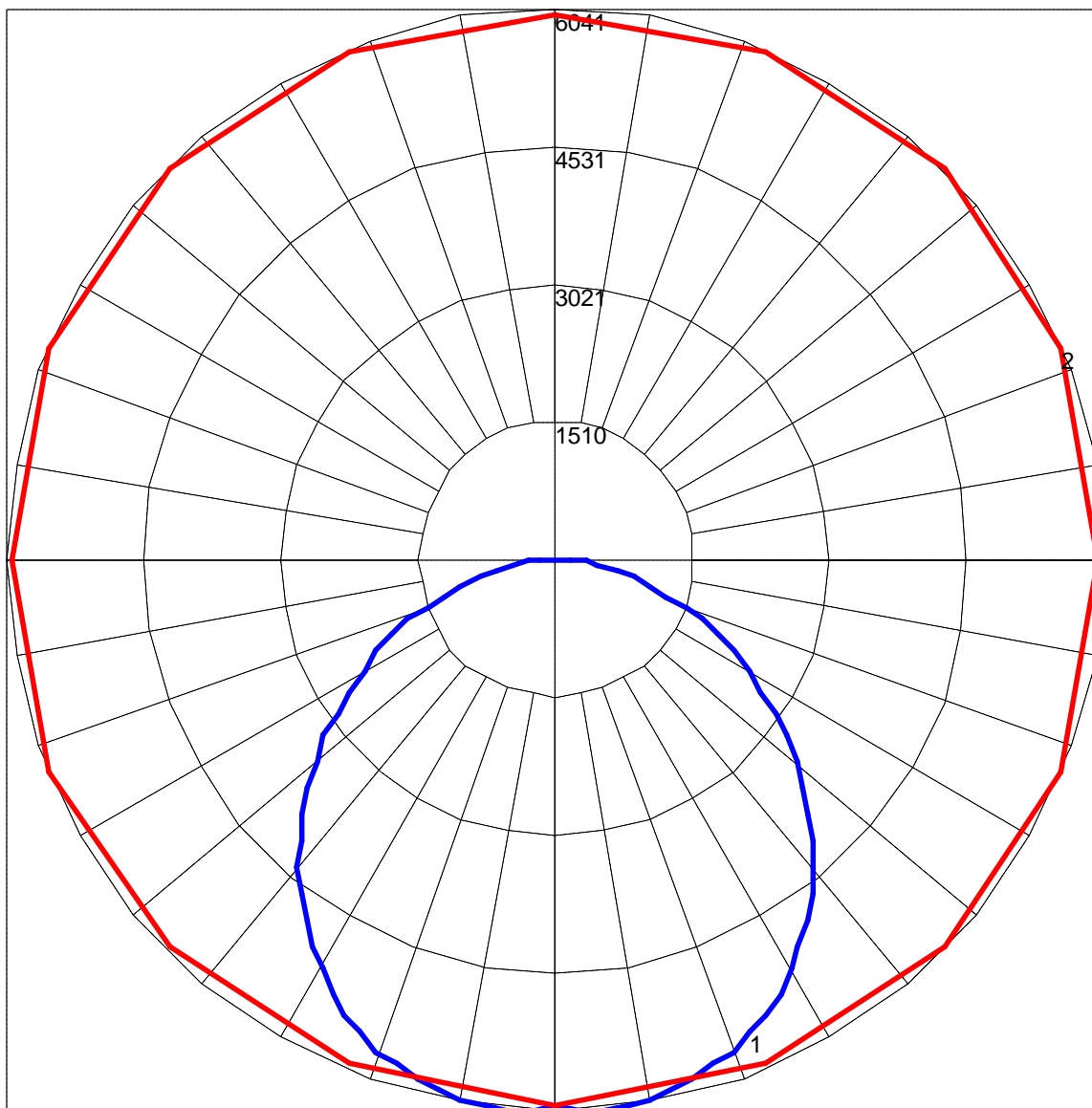
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 6041.449 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.)