



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-30L-SDFL-40.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-30L-SDFL-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	25489
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	213
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	25015	24842	23999
55	23148	22869	21907
65	20980	20600	19432
75	18776	17958	16670
85	18463	13902	11402

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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	9228.954	9228.954	9228.954	9228.954	9228.954
2.5	9220.211	9305.461	9270.487	9226.768	9213.653
5.0	9220.211	9303.276	9263.929	9215.839	9198.351
7.5	9202.723	9283.602	9242.070	9185.236	9167.748
10.0	9163.377	9239.884	9193.980	9132.774	9108.729
12.5	9091.241	9167.748	9121.844	9049.709	9027.850
15.0	8997.247	9071.568	9023.478	8946.971	8916.368
17.5	8892.323	8957.900	8901.066	8824.559	8787.398
20.0	8754.610	8820.187	8752.424	8667.173	8632.198
22.5	8595.037	8654.057	8579.736	8487.927	8446.395
25.0	8407.048	8457.324	8383.003	8284.637	8240.918
27.5	8197.200	8238.732	8166.597	8055.115	8011.397
30.0	7941.447	7976.422	7921.774	7803.734	7757.830
32.5	7676.951	7703.182	7644.162	7530.494	7480.218
35.0	7375.294	7412.455	7344.691	7233.209	7185.119
37.5	7067.079	7099.868	7029.919	6907.507	6865.975
40.0	6739.191	6771.980	6693.287	6566.504	6516.228
42.5	6389.444	6422.233	6347.912	6210.199	6168.666
45.0	6030.953	6057.184	5989.421	5851.708	5786.130
47.5	5670.276	5687.764	5613.443	5484.473	5418.896
50.0	5303.042	5318.343	5244.022	5106.309	5045.103
52.5	4905.204	4924.878	4850.556	4728.145	4660.381
55.0	4527.040	4527.040	4472.392	4354.353	4284.403
57.5	4124.831	4146.690	4087.670	3980.560	3906.239
60.0	3759.782	3766.340	3702.948	3598.024	3514.959
62.5	3392.548	3401.292	3335.714	3237.348	3156.468
65.0	3023.127	3038.429	2968.479	2863.555	2800.164
67.5	2686.496	2688.682	2616.546	2513.808	2437.301
70.0	2334.563	2338.934	2249.312	2164.061	2105.041
72.5	1978.258	1991.373	1912.680	1840.545	1785.897
75.0	1656.927	1639.440	1584.792	1517.028	1471.124
77.5	1335.597	1331.225	1272.205	1195.698	1158.538
80.0	1053.613	1029.568	970.548	896.227	859.067
82.5	780.373	747.585	684.193	607.686	566.153
85.0	548.666	500.576	413.139	343.189	338.818
87.5	332.260	257.939	183.617	163.944	155.200
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	3420.66	N.A.	13.40
0-30	7271.24	N.A.	28.50
0-40	11843.53	N.A.	46.50
0-60	20404.37	N.A.	80.10
0-80	25000.5	N.A.	98.10
0-90	25489.47	N.A.	100.00
10-90	24609.03	N.A.	96.50
20-40	8422.88	N.A.	33.00
20-50	13012.89	N.A.	51.10
40-70	11483.12	N.A.	45.10
60-80	4596.12	N.A.	18.00
70-80	1673.84	N.A.	6.60
80-90	488.97	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	25489.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	880.44
10-20	2540.22
20-30	3850.58
30-40	4572.3
40-50	4590.01
50-60	3970.83
60-70	2922.28
70-80	1673.84
80-90	488.97
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

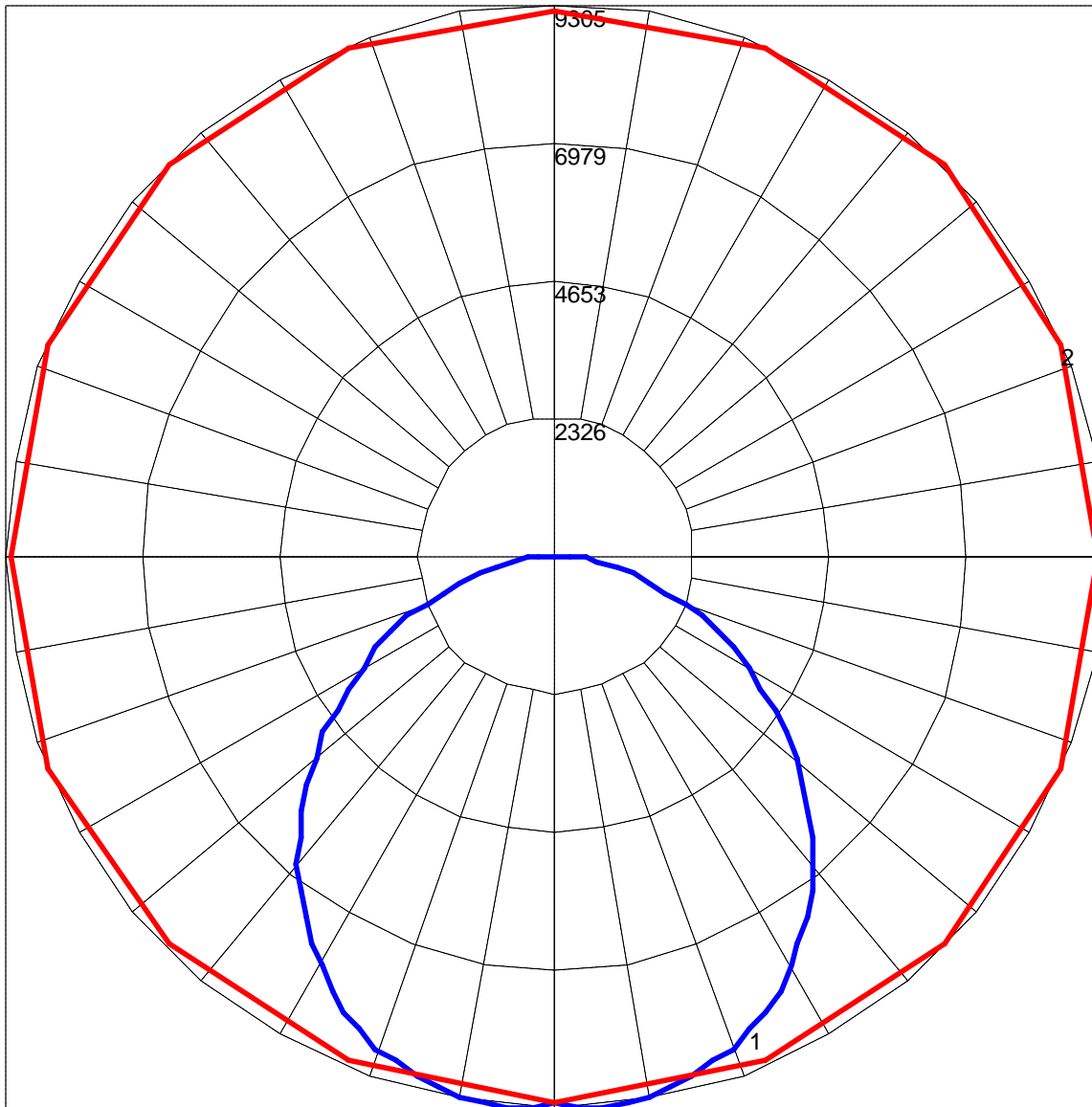
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	42	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 = 9305.461 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.)