



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-24L-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-24L-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	19566
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	152
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	19201	19069	18422
55	17768	17554	16816
65	16104	15813	14916
75	14412	13785	12796
85	14172	10672	8752

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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	7084.136	7084.136	7084.136	7084.136	7084.136
2.5	7077.424	7142.863	7116.016	7082.458	7072.391
5.0	7077.424	7141.185	7110.982	7074.068	7060.645
7.5	7064.001	7126.084	7094.203	7050.578	7037.154
10.0	7033.799	7092.525	7057.289	7010.308	6991.851
12.5	6978.428	7037.154	7001.918	6946.547	6929.768
15.0	6906.277	6963.326	6926.412	6867.686	6844.195
17.5	6825.738	6876.075	6832.449	6773.723	6745.198
20.0	6720.029	6770.367	6718.352	6652.913	6626.066
22.5	6597.542	6642.846	6585.797	6515.324	6483.444
25.0	6453.242	6491.834	6434.785	6359.279	6325.721
27.5	6292.162	6324.043	6268.672	6183.098	6149.540
30.0	6095.847	6122.693	6080.746	5990.139	5954.902
32.5	5892.820	5912.955	5867.651	5780.400	5741.808
35.0	5661.268	5689.793	5637.778	5552.204	5515.290
37.5	5424.683	5449.852	5396.158	5302.196	5270.315
40.0	5172.996	5198.165	5137.760	5040.442	5001.850
42.5	4904.531	4929.699	4872.651	4766.942	4735.062
45.0	4629.354	4649.489	4597.473	4491.765	4441.428
47.5	4352.498	4365.922	4308.873	4209.876	4159.539
50.0	4070.610	4082.355	4025.306	3919.598	3872.616
52.5	3765.230	3780.331	3723.282	3629.319	3577.304
55.0	3474.952	3474.952	3433.004	3342.397	3288.704
57.5	3166.216	3182.995	3137.692	3055.474	2998.425
60.0	2886.005	2891.039	2842.379	2761.840	2698.079
62.5	2604.116	2610.828	2560.491	2484.985	2422.902
65.0	2320.549	2332.295	2278.602	2198.062	2149.403
67.5	2062.151	2063.829	2008.458	1929.596	1870.870
70.0	1792.008	1795.364	1726.569	1661.131	1615.827
72.5	1518.509	1528.576	1468.171	1412.800	1370.852
75.0	1271.856	1258.432	1216.485	1164.470	1129.233
77.5	1025.203	1021.847	976.544	917.817	889.292
80.0	808.753	790.296	744.992	687.943	659.419
82.5	599.014	573.845	525.186	466.459	434.579
85.0	421.155	384.241	317.125	263.432	260.076
87.5	255.042	197.993	140.944	125.843	119.132
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	2625.69	N.A.	13.40
0-30	5581.39	N.A.	28.50
0-40	9091.09	N.A.	46.50
0-60	15662.38	N.A.	80.10
0-80	19190.36	N.A.	98.10
0-90	19565.69	N.A.	100.00
10-90	18889.87	N.A.	96.50
20-40	6465.39	N.A.	33.00
20-50	9988.68	N.A.	51.10
40-70	8814.43	N.A.	45.10
60-80	3527.98	N.A.	18.00
70-80	1284.84	N.A.	6.60
80-90	375.33	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	19565.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	675.82
10-20	1949.87
20-30	2955.7
30-40	3509.69
40-50	3523.29
50-60	3048.00
60-70	2243.14
70-80	1284.84
80-90	375.33
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

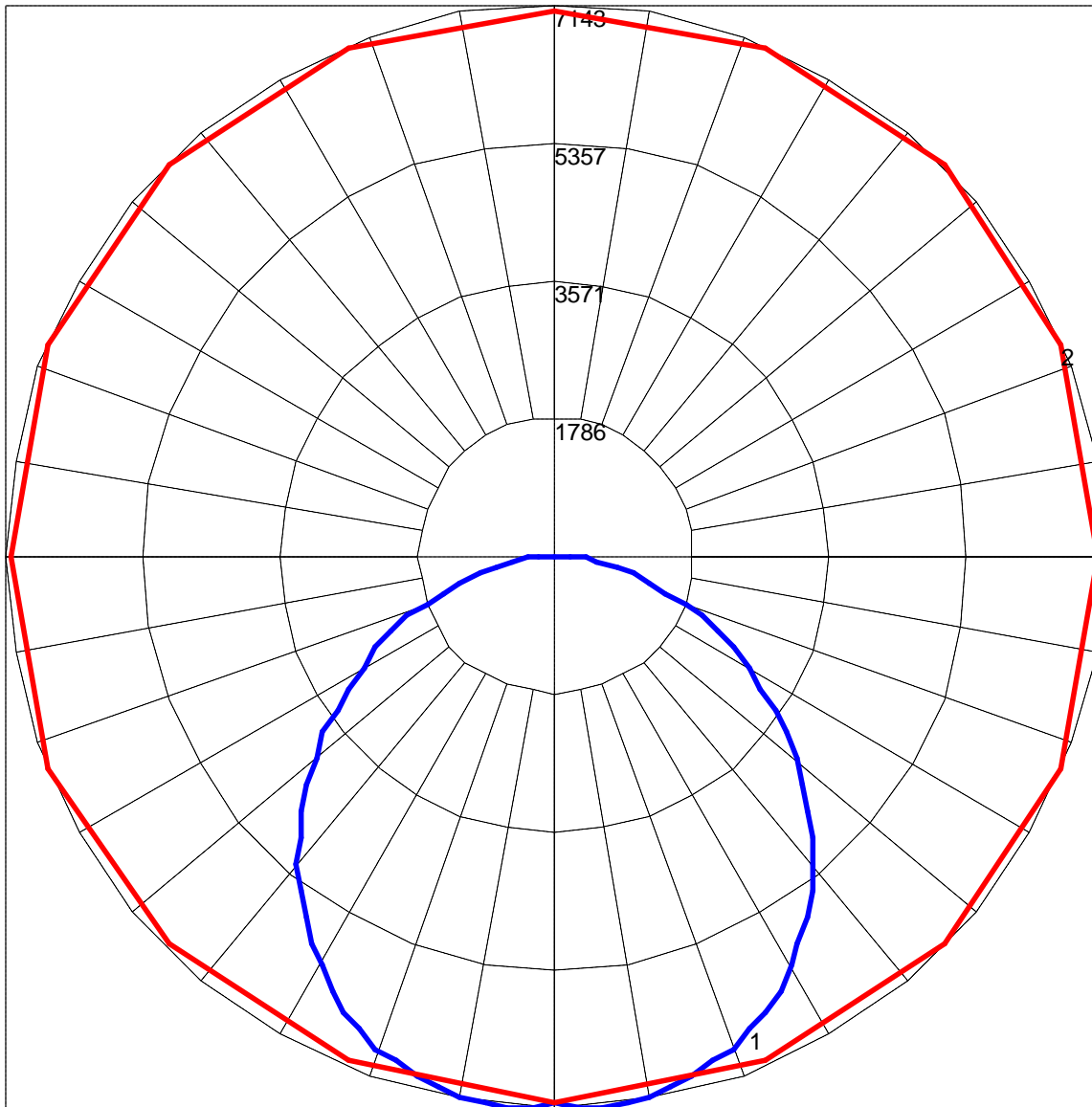
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 7142.863 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.)