



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-30L-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-30L-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	27236
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
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	26729	26545	25644
55	24735	24436	23409
65	22418	22012	20764
75	20063	19189	17813
85	19729	14855	12183

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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	9861.495	9861.495	9861.495	9861.495	9861.495
2.5	9852.152	9943.246	9905.874	9859.159	9845.144
5.0	9852.152	9940.910	9898.866	9847.480	9828.794
7.5	9833.466	9919.888	9875.509	9814.780	9796.094
10.0	9791.422	9873.173	9824.123	9758.722	9733.029
12.5	9714.343	9796.094	9747.043	9669.964	9646.607
15.0	9613.906	9693.321	9641.935	9560.184	9527.484
17.5	9501.791	9571.863	9511.134	9429.383	9389.675
20.0	9354.639	9424.711	9352.303	9261.209	9223.838
22.5	9184.130	9247.195	9167.780	9069.679	9025.300
25.0	8983.256	9036.978	8957.563	8852.455	8805.740
27.5	8759.025	8803.404	8726.325	8607.202	8560.487
30.0	8485.744	8523.116	8464.722	8338.592	8289.542
32.5	8203.119	8231.148	8168.083	8046.625	7992.903
35.0	7880.787	7920.495	7848.087	7728.964	7677.578
37.5	7551.448	7586.484	7511.740	7380.939	7336.560
40.0	7201.087	7236.123	7152.036	7016.563	6962.841
42.5	6827.368	6862.404	6782.989	6635.838	6591.459
45.0	6444.307	6472.336	6399.928	6252.776	6182.704
47.5	6058.910	6077.596	5998.181	5860.372	5790.300
50.0	5666.505	5682.856	5603.440	5456.289	5390.888
52.5	5241.401	5262.422	5183.007	5052.206	4979.798
55.0	4837.318	4837.318	4778.924	4652.794	4578.051
57.5	4407.542	4430.899	4367.834	4253.383	4173.968
60.0	4017.473	4024.480	3956.744	3844.628	3755.870
62.5	3625.069	3634.412	3564.339	3459.231	3372.809
65.0	3230.329	3246.679	3171.935	3059.820	2992.083
67.5	2870.625	2872.960	2795.881	2686.101	2604.350
70.0	2494.570	2499.242	2403.477	2312.383	2249.318
72.5	2113.845	2127.859	2043.773	1966.693	1908.300
75.0	1770.491	1751.805	1693.412	1621.004	1571.953
77.5	1427.137	1422.466	1359.401	1277.650	1237.942
80.0	1125.827	1100.134	1037.069	957.653	917.946
82.5	833.859	798.823	731.087	649.336	604.957
85.0	586.271	534.884	441.455	366.711	362.040
87.5	355.032	275.617	196.202	175.181	165.838
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	3655.11	N.A.	13.40
0-30	7769.6	N.A.	28.50
0-40	12655.28	N.A.	46.50
0-60	21802.86	N.A.	80.10
0-80	26714.00	N.A.	98.10
0-90	27236.49	N.A.	100.00
10-90	26295.71	N.A.	96.50
20-40	9000.17	N.A.	33.00
20-50	13904.77	N.A.	51.10
40-70	12270.16	N.A.	45.10
60-80	4911.14	N.A.	18.00
70-80	1788.56	N.A.	6.60
80-90	522.49	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	27236.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	940.78
10-20	2714.33
20-30	4114.49
30-40	4885.68
40-50	4904.6
50-60	4242.98
60-70	3122.57
70-80	1788.56
80-90	522.49
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

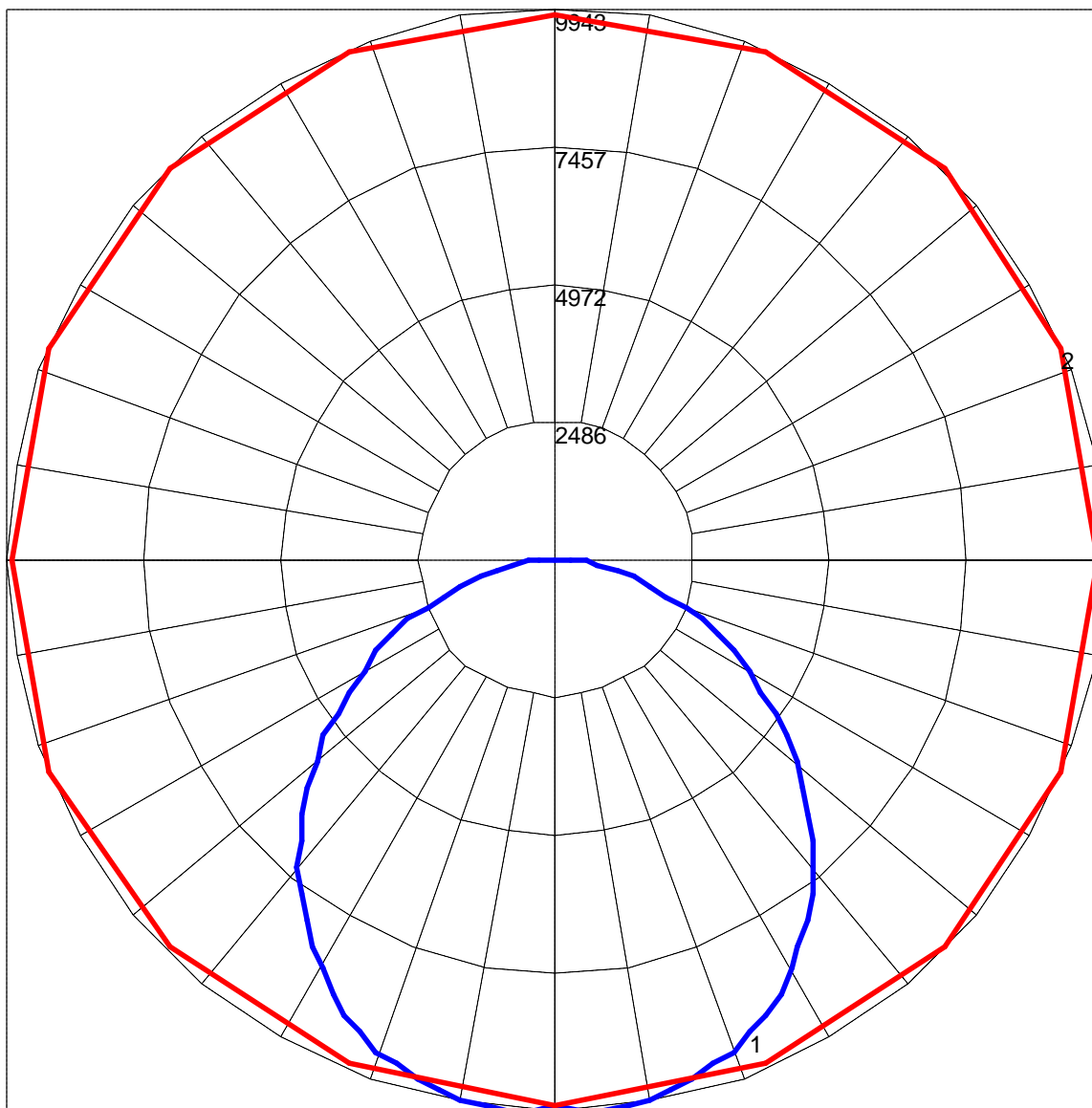
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 9943.246 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.)