



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-36L-S-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8707R_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/02/17
[TEST DATE]03/17/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LHBXD_LHB14-LED-36L-S-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	37850
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	278
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.48
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	39670	39670	39204
55	38525	38620	37967
65	35102	34193	26489
75	25408	17033	10354
85	13117	7766	7031

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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	12542.486	12542.486	12542.486	12542.486	12542.486
2.5	12501.946	12642.277	12598.619	12548.723	12530.012
5.0	12523.775	12648.514	12592.382	12536.249	12514.420
7.5	12520.657	12636.040	12573.671	12505.065	12489.472
10.0	12505.065	12607.974	12548.723	12480.117	12473.880
12.5	12470.761	12561.197	12508.183	12448.932	12433.340
15.0	12408.392	12495.709	12445.814	12386.563	12364.733
17.5	12330.430	12408.392	12377.207	12293.009	12280.535
20.0	12218.165	12296.127	12277.416	12177.625	12146.440
22.5	12087.190	12162.033	12140.204	12037.294	12015.465
25.0	11940.621	12006.109	11974.925	11868.897	11850.186
27.5	11750.395	11825.238	11772.224	11678.670	11659.959
30.0	11544.576	11616.301	11563.287	11463.496	11426.074
32.5	11295.098	11373.060	11323.164	11207.781	11173.478
35.0	11017.554	11092.398	11045.621	10917.763	10892.816
37.5	10696.352	10774.314	10733.774	10609.035	10580.969
40.0	10350.202	10418.808	10372.031	10266.003	10259.766
42.5	9975.985	10041.473	9979.104	9904.261	9885.550
45.0	9564.347	9623.598	9564.347	9489.504	9452.082
47.5	9099.695	9165.183	9127.762	9024.852	9006.141
50.0	8616.332	8681.820	8641.280	8535.252	8532.134
52.5	8076.837	8164.154	8114.259	8014.468	8008.231
55.0	7534.223	7618.422	7552.934	7453.143	7425.077
57.5	6944.833	7035.268	6963.543	6832.568	6770.198
60.0	6346.086	6417.811	6339.849	6109.083	5928.211
62.5	5700.563	5787.880	5675.615	5267.096	4899.116
65.0	5058.158	5111.172	4927.183	4213.053	3817.007
67.5	4334.673	4372.095	4094.551	3196.432	2766.083
70.0	3636.136	3629.899	3159.010	2242.180	1896.030
72.5	2903.296	2915.769	2251.535	1521.813	1312.876
75.0	2242.180	2226.588	1503.103	1038.450	913.712
77.5	1627.841	1584.183	988.555	720.367	664.234
80.0	1107.057	1016.621	633.049	498.955	477.126
82.5	686.063	586.272	396.046	333.676	321.202
85.0	389.809	314.965	230.767	212.056	208.937
87.5	190.227	140.331	118.502	112.265	115.383
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	4712.87	N.A.	12.50
0-30	10218.64	N.A.	27.00
0-40	17100.52	N.A.	45.20
0-60	31154.43	N.A.	82.30
0-80	37518.3	N.A.	99.10
0-90	37849.53	N.A.	100.00
10-90	36650.9	N.A.	96.80
20-40	12387.65	N.A.	32.70
20-50	19741.51	N.A.	52.20
40-70	18644.35	N.A.	49.30
60-80	6363.87	N.A.	16.80
70-80	1773.44	N.A.	4.70
80-90	331.23	N.A.	0.90
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	37849.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1198.63
10-20	3514.24
20-30	5505.77
30-40	6881.88
40-50	7353.87
50-60	6700.05
60-70	4590.43
70-80	1773.44
80-90	331.23
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

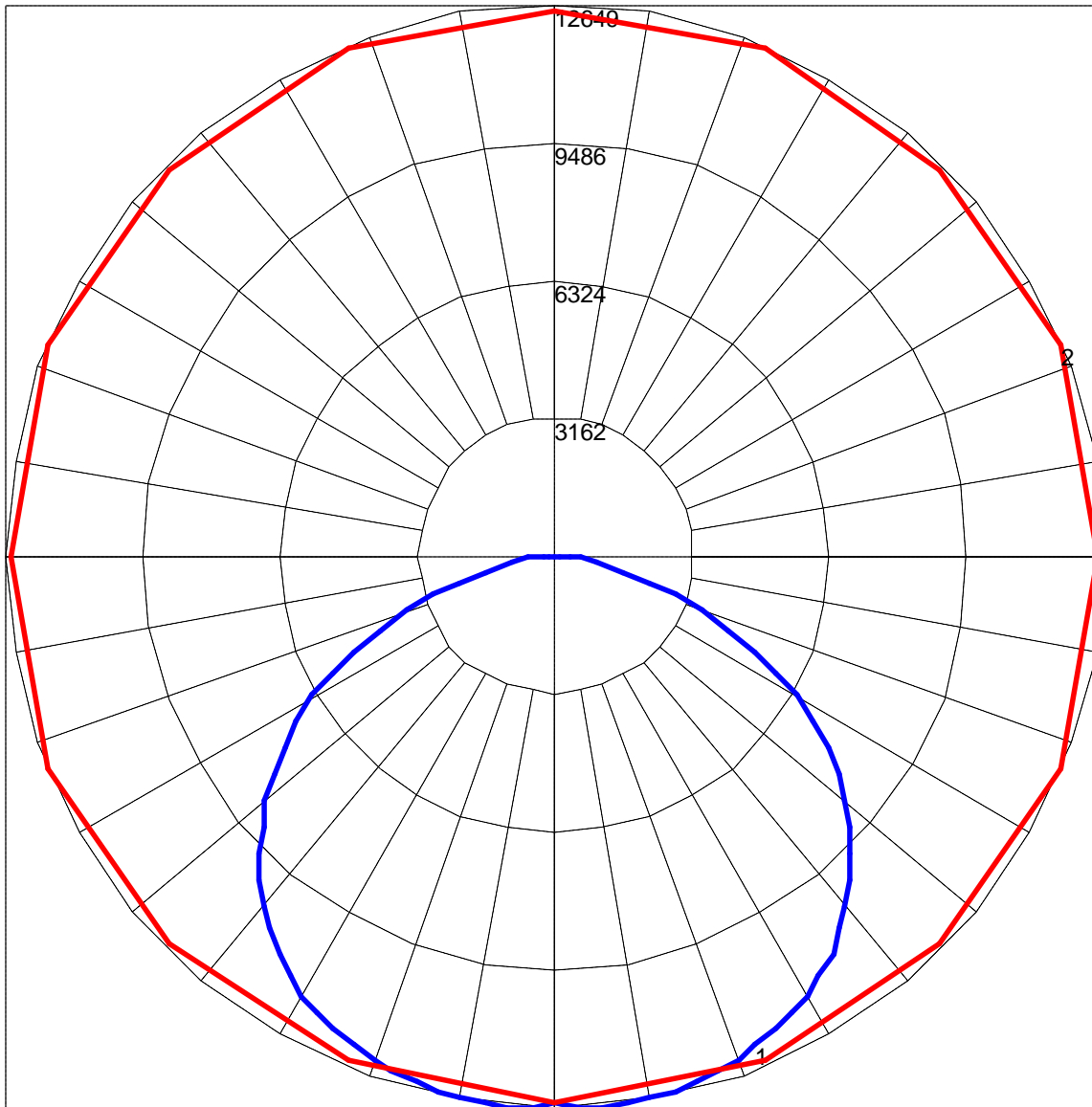
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 12648.514 Located At Horizontal Angle = 22.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)