



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-36L-S-40.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-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	35422
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
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	37126	37126	36690
55	36054	36144	35532
65	32851	32001	24790
75	23778	15941	9690
85	12276	7268	6580

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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	11738.207	11738.207	11738.207	11738.207	11738.207
2.5	11700.266	11831.599	11790.740	11744.044	11726.533
5.0	11720.696	11837.436	11784.903	11732.370	11711.940
7.5	11717.777	11825.762	11767.392	11703.185	11688.592
10.0	11703.185	11799.495	11744.044	11679.837	11674.000
12.5	11671.081	11755.718	11706.103	11650.652	11636.059
15.0	11612.711	11694.429	11647.733	11592.282	11571.852
17.5	11539.749	11612.711	11583.526	11504.727	11493.053
20.0	11434.683	11507.645	11490.134	11396.742	11367.557
22.5	11312.106	11382.150	11361.720	11265.410	11244.980
25.0	11174.936	11236.225	11207.040	11107.811	11090.300
27.5	10996.908	11066.952	11017.337	10929.782	10912.271
30.0	10804.287	10871.412	10821.798	10728.406	10693.384
32.5	10570.807	10643.769	10597.073	10489.089	10456.985
35.0	10311.060	10381.104	10337.327	10217.668	10194.320
37.5	10010.455	10083.417	10045.477	9928.737	9902.470
40.0	9686.501	9750.708	9706.931	9607.702	9601.865
42.5	9336.281	9397.570	9339.200	9269.156	9251.645
45.0	8951.039	9006.491	8951.039	8880.995	8845.973
47.5	8516.183	8577.471	8542.449	8446.139	8428.628
50.0	8063.815	8125.104	8087.163	7987.934	7985.016
52.5	7558.915	7640.633	7593.937	7500.545	7494.708
55.0	7051.096	7129.895	7068.607	6975.215	6948.948
57.5	6499.499	6584.136	6517.010	6394.433	6336.063
60.0	5939.147	6006.273	5933.310	5717.341	5548.068
62.5	5335.018	5416.736	5311.670	4929.346	4584.963
65.0	4733.807	4783.421	4611.230	3942.893	3572.244
67.5	4056.715	4091.737	3831.990	2991.462	2588.709
70.0	3402.971	3397.134	2956.440	2098.401	1774.448
72.5	2717.123	2728.797	2107.157	1424.228	1228.688
75.0	2098.401	2083.809	1406.717	971.860	855.120
77.5	1523.457	1482.598	925.164	674.173	621.640
80.0	1036.067	951.431	592.455	466.960	446.530
82.5	642.070	548.678	370.649	312.279	300.605
85.0	364.812	294.768	215.969	198.458	195.539
87.5	178.028	131.332	110.903	105.066	107.984
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	4410.66	N.A.	12.50
0-30	9563.38	N.A.	27.00
0-40	16003.96	N.A.	45.20
0-60	29156.67	N.A.	82.30
0-80	35112.46	N.A.	99.10
0-90	35422.45	N.A.	100.00
10-90	34300.68	N.A.	96.80
20-40	11593.3	N.A.	32.70
20-50	18475.6	N.A.	52.20
40-70	17448.79	N.A.	49.30
60-80	5955.79	N.A.	16.80
70-80	1659.72	N.A.	4.70
80-90	309.99	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	35422.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1121.77
10-20	3288.89
20-30	5152.71
30-40	6440.58
40-50	6882.3
50-60	6270.41
60-70	4296.08
70-80	1659.72
80-90	309.99
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

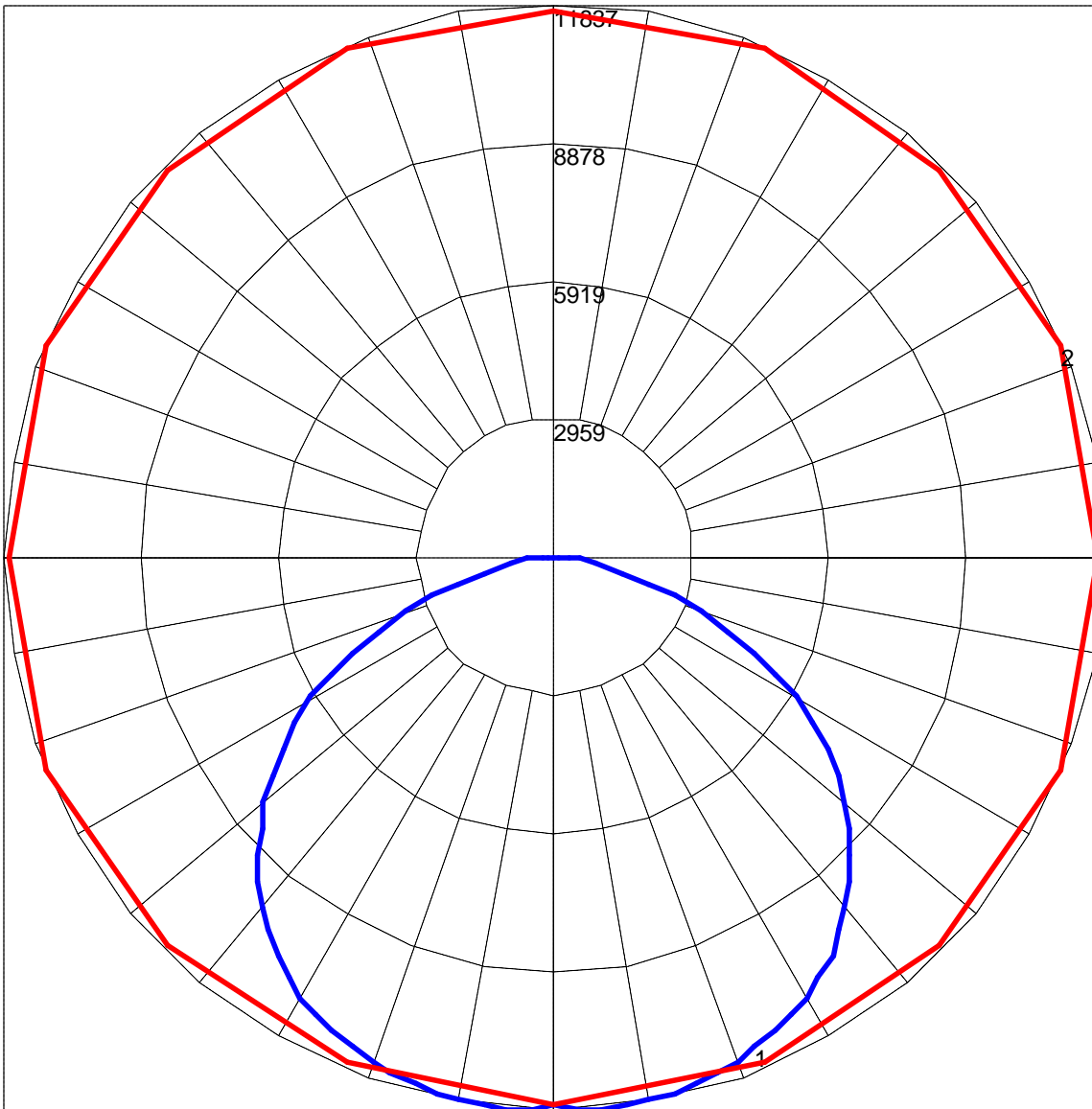
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 11837.436 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.)