



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8606R_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/02/17
[TEST DATE]02/23/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LHBXD_LHB14-LED-36L-LL-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	40204
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
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)	1.50
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	41177	41292	40821
55	41301	41568	41191
65	40507	41252	30263
75	36201	13945	5842
85	25921	9914	9604

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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	12836.958	12836.958	12836.958	12836.958	12836.958
2.5	12833.889	12929.023	12886.059	12830.820	12806.269
5.0	12840.027	12935.161	12889.128	12827.751	12800.132
7.5	12830.820	12932.092	12882.990	12821.614	12784.788
10.0	12803.201	12907.541	12855.371	12790.925	12751.030
12.5	12754.099	12858.440	12803.201	12735.686	12695.791
15.0	12683.516	12797.063	12738.755	12665.103	12622.139
17.5	12600.657	12711.135	12655.896	12573.038	12533.143
20.0	12480.972	12603.726	12545.418	12459.491	12419.596
22.5	12352.081	12462.559	12413.458	12321.393	12281.498
25.0	12192.501	12309.117	12253.878	12161.813	12121.918
27.5	11999.165	12121.918	12072.817	11974.614	11940.857
30.0	11790.483	11916.306	11867.204	11756.726	11719.900
32.5	11551.114	11670.799	11621.697	11511.219	11474.393
35.0	11284.125	11397.672	11351.639	11228.886	11204.335
37.5	10989.516	11099.994	11053.962	10934.277	10897.451
40.0	10661.150	10768.560	10710.252	10602.842	10572.154
42.5	10308.234	10412.574	10351.197	10240.719	10219.237
45.0	9927.697	10019.763	9955.317	9863.252	9841.770
47.5	9519.542	9602.400	9537.955	9455.096	9439.752
50.0	9065.353	9145.143	9105.248	9028.527	9010.114
52.5	8598.890	8660.267	8617.303	8555.926	8555.926
55.0	8077.187	8166.183	8129.357	8077.187	8055.705
57.5	7558.553	7650.618	7622.999	7576.966	7552.415
60.0	7012.299	7107.434	7089.020	7030.713	6904.890
62.5	6435.358	6533.560	6530.492	6186.781	5517.774
65.0	5836.934	5941.274	5944.343	4885.593	4360.822
67.5	5210.890	5312.162	5299.887	3648.851	2774.231
70.0	4544.952	4633.948	4029.387	1957.920	1344.152
72.5	3857.532	3971.079	2823.333	1037.268	595.355
75.0	3194.662	3314.347	1230.605	494.083	515.565
77.5	2519.518	2651.478	509.427	484.877	500.221
80.0	1893.474	1608.072	395.880	451.119	469.533
82.5	1301.188	558.529	368.261	395.880	398.949
85.0	770.279	257.783	294.609	291.540	285.402
87.5	343.710	184.130	165.717	165.717	168.786
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	4822.34	N.A.	12.00
0-30	10460.33	N.A.	26.00
0-40	17535.82	N.A.	43.60
0-60	32438.9	N.A.	80.70
0-80	39786.5	N.A.	99.00
0-90	40203.72	N.A.	100.00
10-90	38976.49	N.A.	96.90
20-40	12713.48	N.A.	31.60
20-50	20372.06	N.A.	50.70
40-70	20229.86	N.A.	50.30
60-80	7347.6	N.A.	18.30
70-80	2020.81	N.A.	5.00
80-90	417.22	N.A.	1.00
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	40203.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1227.23
10-20	3595.11
20-30	5637.99
30-40	7075.49
40-50	7658.57
50-60	7244.5
60-70	5326.78
70-80	2020.81
80-90	417.22
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

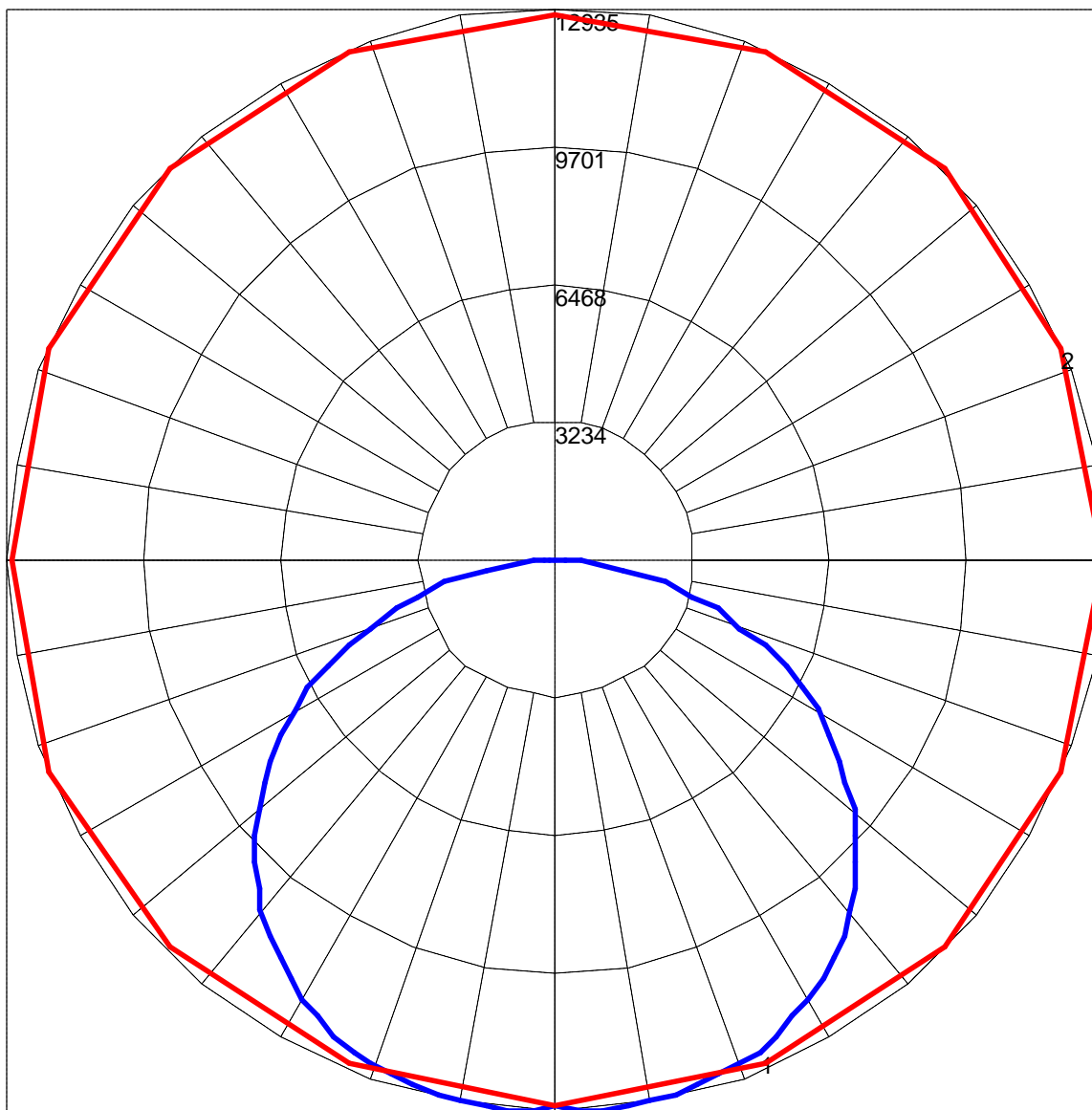
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

POLAR GRAPH



Maximum Candela = 12935.161 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.)