



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-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-48L-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	49877
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	379
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	51085	51227	50643
55	51239	51570	51102
65	50253	51178	37545
75	44912	17300	7248
85	32157	12299	11915

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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	15925.727	15925.727	15925.727	15925.727	15925.727
2.5	15921.920	16039.944	15986.643	15918.112	15887.654
5.0	15929.534	16047.559	15990.450	15914.305	15880.040
7.5	15918.112	16043.752	15982.836	15906.691	15861.004
10.0	15883.847	16013.294	15948.570	15868.618	15819.124
12.5	15822.931	15952.378	15883.847	15800.088	15750.593
15.0	15735.364	15876.233	15803.895	15712.521	15659.219
17.5	15632.569	15769.630	15701.099	15598.303	15548.809
20.0	15484.086	15636.376	15564.038	15457.435	15407.941
22.5	15324.181	15461.242	15400.326	15286.109	15236.615
25.0	15126.204	15270.880	15202.349	15088.132	15038.638
27.5	14886.348	15038.638	14977.722	14855.890	14814.010
30.0	14627.455	14783.552	14722.636	14585.575	14539.888
32.5	14330.489	14478.972	14418.056	14280.995	14235.308
35.0	13999.258	14140.127	14083.018	13930.728	13900.270
37.5	13633.762	13770.823	13713.715	13565.232	13519.545
40.0	13226.387	13359.640	13287.303	13154.049	13115.976
42.5	12788.553	12917.999	12841.854	12704.793	12678.143
45.0	12316.454	12430.671	12350.719	12236.502	12209.851
47.5	11810.090	11912.885	11832.933	11730.137	11711.101
50.0	11246.617	11345.605	11296.111	11200.930	11178.086
52.5	10667.915	10744.060	10690.758	10614.613	10614.613
55.0	10020.682	10131.092	10085.405	10020.682	9994.031
57.5	9377.257	9491.474	9457.209	9400.100	9369.642
60.0	8699.566	8817.591	8794.748	8722.410	8566.313
62.5	7983.803	8105.635	8101.828	7675.416	6845.436
65.0	7241.390	7370.836	7374.643	6061.142	5410.102
67.5	6464.711	6590.350	6575.121	4526.820	3441.754
70.0	5638.537	5748.948	4998.919	2429.026	1667.576
72.5	4785.713	4926.582	3502.670	1286.851	738.607
75.0	3963.347	4111.830	1526.707	612.967	639.618
77.5	3125.752	3289.464	632.004	601.546	620.582
80.0	2349.073	1994.999	491.135	559.666	582.509
82.5	1614.274	692.920	456.870	491.135	494.943
85.0	955.620	319.809	365.496	361.689	354.074
87.5	426.412	228.435	205.592	205.592	209.399
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	5982.67	N.A.	12.00
0-30	12977.25	N.A.	26.00
0-40	21755.21	N.A.	43.60
0-60	40244.2	N.A.	80.70
0-80	49359.74	N.A.	99.00
0-90	49877.35	N.A.	100.00
10-90	48354.83	N.A.	96.90
20-40	15772.54	N.A.	31.60
20-50	25273.88	N.A.	50.70
40-70	25097.47	N.A.	50.30
60-80	9115.54	N.A.	18.30
70-80	2507.05	N.A.	5.00
80-90	517.61	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	49877.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1522.52
10-20	4460.15
20-30	6994.57
30-40	8777.97
40-50	9501.35
50-60	8987.64
60-70	6608.49
70-80	2507.05
80-90	517.61
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

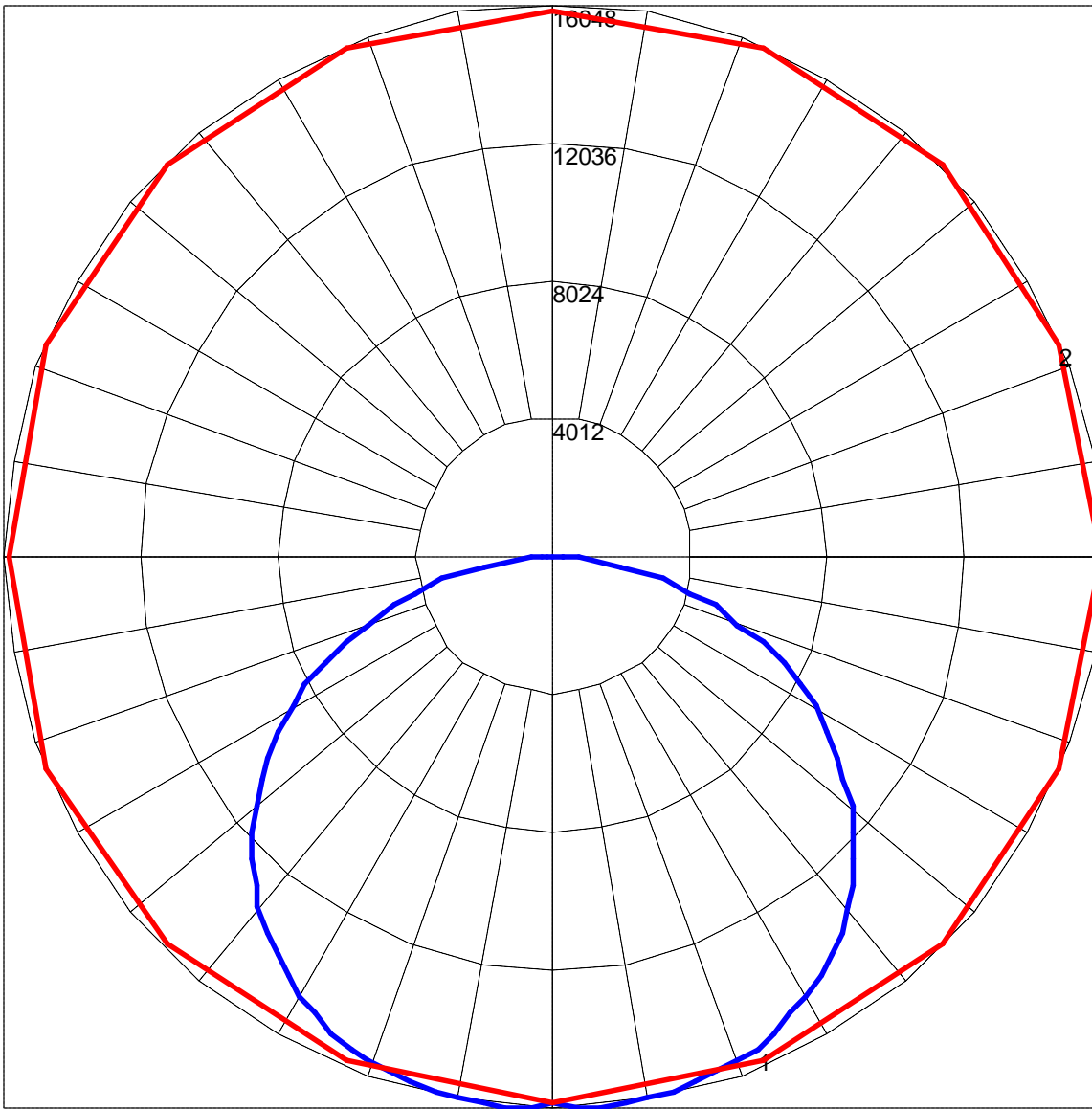
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 16047.559 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.)