



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-LL-35.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-35
[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	47431
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
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	48580	48715	48159
55	48726	49041	48596
65	47789	48668	35704
75	42709	16452	6893
85	30580	11696	11331

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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	15144.760	15144.760	15144.760	15144.760	15144.760
2.5	15141.140	15253.377	15202.689	15137.519	15108.555
5.0	15148.381	15260.618	15206.310	15133.899	15101.314
7.5	15137.519	15256.997	15199.069	15126.658	15083.211
10.0	15104.934	15228.033	15166.484	15090.452	15043.385
12.5	15047.005	15170.104	15104.934	15025.282	14978.215
15.0	14963.733	15097.693	15028.903	14942.010	14891.322
17.5	14865.978	14996.318	14931.148	14833.393	14786.326
20.0	14724.777	14869.599	14800.808	14699.433	14652.366
22.5	14572.713	14703.053	14645.124	14536.508	14489.441
25.0	14384.445	14522.026	14456.856	14348.239	14301.172
27.5	14156.350	14301.172	14243.243	14127.386	14087.560
30.0	13910.153	14058.595	14000.667	13870.327	13826.880
32.5	13627.750	13768.951	13711.023	13580.683	13537.236
35.0	13312.762	13446.722	13392.414	13247.592	13218.628
37.5	12965.189	13095.529	13041.221	12900.019	12856.573
40.0	12577.790	12704.510	12635.719	12509.000	12472.794
42.5	12161.427	12284.526	12212.115	12081.775	12056.431
45.0	11712.479	11821.095	11745.064	11636.447	11611.104
47.5	11230.946	11328.701	11252.669	11154.914	11136.812
50.0	10695.104	10789.239	10742.172	10651.658	10629.935
52.5	10144.781	10217.192	10166.504	10094.093	10094.093
55.0	9529.287	9634.283	9590.837	9529.287	9503.944
57.5	8917.414	9026.031	8993.446	8939.138	8910.173
60.0	8272.957	8385.194	8363.470	8294.680	8146.237
62.5	7592.293	7708.151	7704.530	7299.029	6509.749
65.0	6886.286	7009.385	7013.005	5763.915	5144.801
67.5	6147.694	6267.172	6252.690	4304.834	3272.977
70.0	5362.034	5467.030	4753.782	2309.911	1585.801
72.5	4551.031	4684.992	3330.906	1223.746	702.387
75.0	3768.992	3910.194	1451.841	582.909	608.252
77.5	2972.471	3128.155	601.011	572.047	590.150
80.0	2233.879	1897.168	467.051	532.221	553.944
82.5	1535.113	658.940	434.466	467.051	470.671
85.0	908.758	304.126	347.573	343.952	336.711
87.5	405.502	217.233	195.510	195.510	199.130
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	5689.29	N.A.	12.00
0-30	12340.87	N.A.	26.00
0-40	20688.38	N.A.	43.60
0-60	38270.7	N.A.	80.70
0-80	46939.23	N.A.	99.00
0-90	47431.46	N.A.	100.00
10-90	45983.6	N.A.	96.90
20-40	14999.08	N.A.	31.60
20-50	24034.5	N.A.	50.70
40-70	23866.74	N.A.	50.30
60-80	8668.53	N.A.	18.30
70-80	2384.11	N.A.	5.00
80-90	492.23	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	47431.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1447.86
10-20	4241.43
20-30	6651.57
30-40	8347.51
40-50	9035.42
50-60	8546.9
60-70	6284.42
70-80	2384.11
80-90	492.23
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

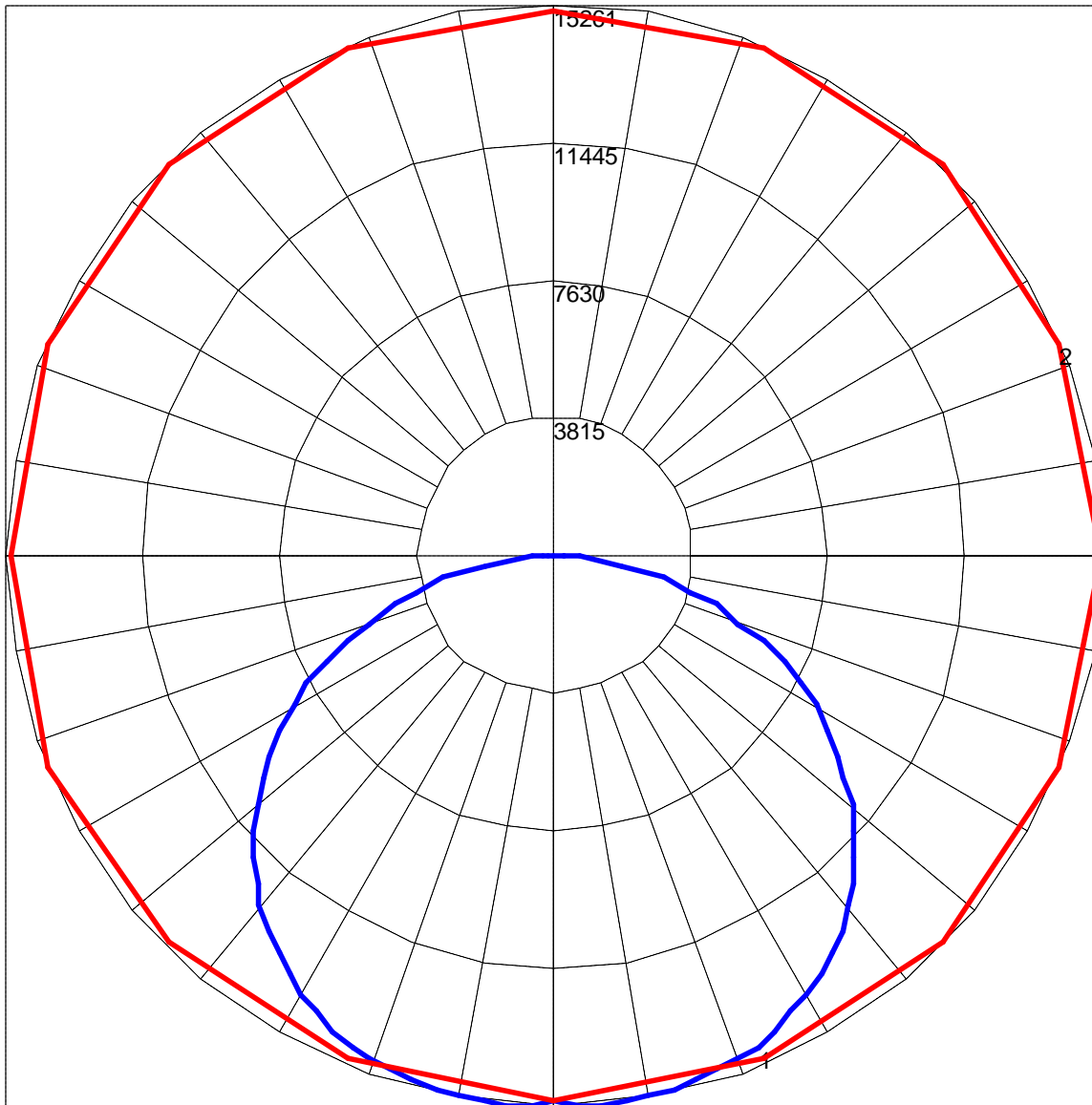
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 15260.618 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.)