



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-LL-40.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-40
[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	46678
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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	47809	47942	47395
55	47952	48262	47825
65	47030	47896	35137
75	42031	16191	6783
85	30095	11510	11151

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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	14904.322	14904.322	14904.322	14904.322	14904.322
2.5	14900.759	15011.214	14961.331	14897.196	14868.691
5.0	14907.885	15018.340	14964.894	14893.633	14861.565
7.5	14897.196	15014.777	14957.768	14886.507	14843.750
10.0	14865.128	14986.273	14925.700	14850.876	14804.556
12.5	14808.119	14929.264	14865.128	14786.741	14740.421
15.0	14726.169	14858.002	14790.304	14704.790	14654.907
17.5	14629.966	14758.236	14694.101	14597.898	14551.578
20.0	14491.006	14633.529	14565.830	14466.064	14419.745
22.5	14341.357	14469.628	14412.618	14305.726	14259.406
25.0	14156.077	14291.474	14227.339	14120.447	14074.127
27.5	13931.604	14074.127	14017.118	13903.099	13863.906
30.0	13689.315	13835.401	13778.392	13650.121	13607.365
32.5	13411.396	13550.355	13493.346	13365.076	13322.319
35.0	13101.409	13233.242	13179.796	13037.273	13008.769
37.5	12759.354	12887.624	12834.178	12695.219	12652.462
40.0	12378.105	12502.813	12435.115	12310.407	12274.776
42.5	11968.352	12089.497	12018.235	11889.965	11865.023
45.0	11526.532	11633.424	11558.599	11451.707	11426.766
47.5	11052.643	11148.846	11074.022	10977.819	10960.004
50.0	10525.309	10617.949	10571.629	10482.552	10461.174
52.5	9983.722	10054.984	10005.101	9933.839	9933.839
55.0	9378.000	9481.329	9438.573	9378.000	9353.059
57.5	8775.842	8882.734	8850.666	8797.220	8768.715
60.0	8141.615	8252.070	8230.692	8162.994	8016.908
62.5	7471.758	7585.776	7582.213	7183.149	6406.400
65.0	6776.959	6898.104	6901.667	5672.408	5063.123
67.5	6050.093	6167.674	6153.422	4236.490	3221.015
70.0	5276.907	5380.236	4678.311	2273.239	1560.625
72.5	4478.779	4610.613	3278.024	1204.318	691.236
75.0	3709.156	3848.116	1428.791	573.654	598.596
77.5	2925.281	3078.493	591.470	562.965	580.780
80.0	2198.414	1867.049	459.636	523.771	545.150
82.5	1510.742	648.479	427.568	459.636	463.199
85.0	894.331	299.298	342.055	338.492	331.366
87.5	399.064	213.784	192.406	192.406	195.969
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	5598.97	N.A.	12.00
0-30	12144.94	N.A.	26.00
0-40	20359.93	N.A.	43.60
0-60	37663.11	N.A.	80.70
0-80	46194.03	N.A.	99.00
0-90	46678.44	N.A.	100.00
10-90	45253.57	N.A.	96.90
20-40	14760.96	N.A.	31.60
20-50	23652.93	N.A.	50.70
40-70	23487.84	N.A.	50.30
60-80	8530.91	N.A.	18.30
70-80	2346.26	N.A.	5.00
80-90	484.42	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	46678.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1424.88
10-20	4174.09
20-30	6545.97
30-40	8214.99
40-50	8891.97
50-60	8411.21
60-70	6184.65
70-80	2346.26
80-90	484.42
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

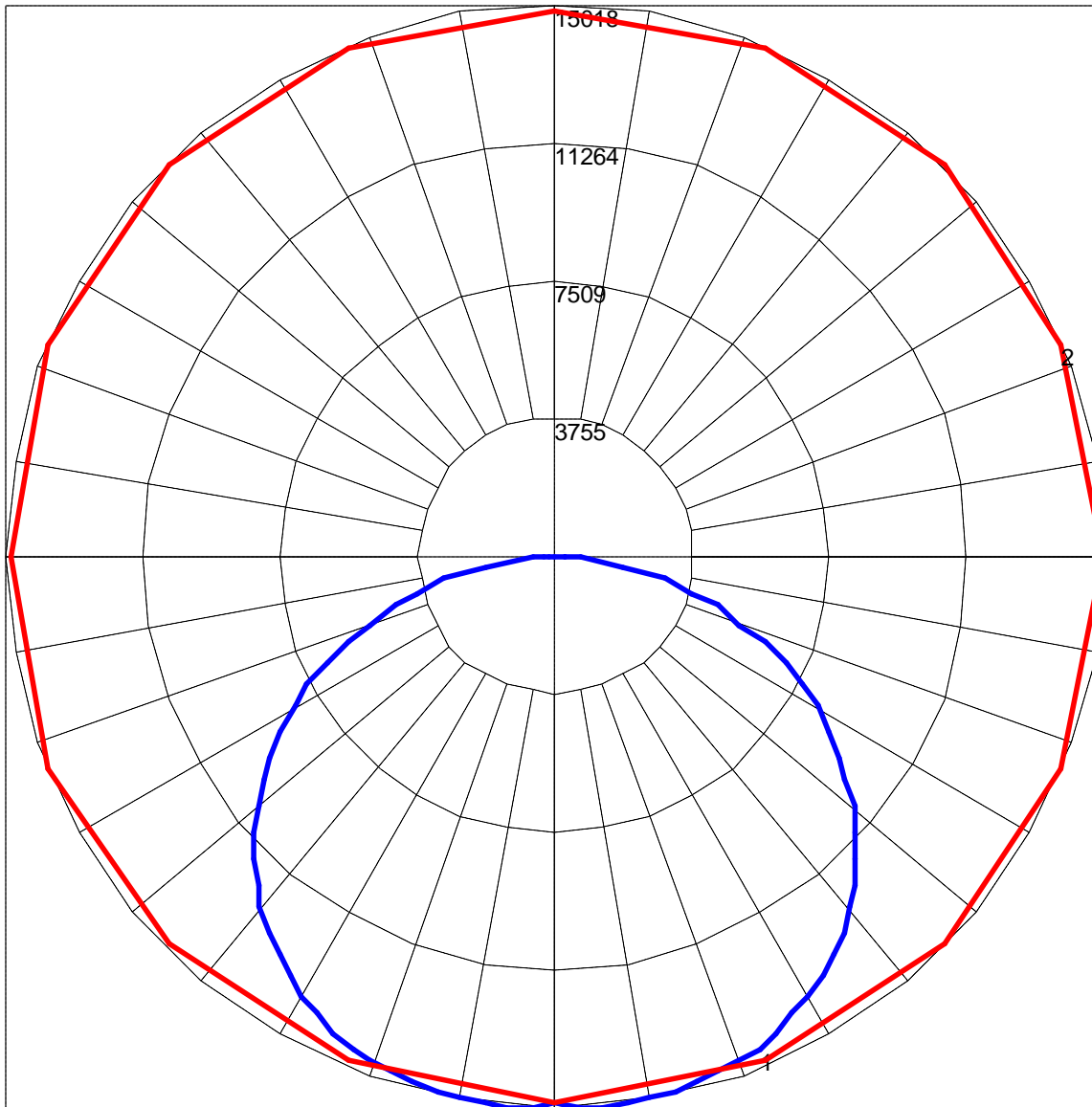
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 15018.34 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.)