



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-AL-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8609R_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-AL-50
[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	47738
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	379
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.52
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	50201	53375	46948
55	48864	46625	35431
65	44943	30332	16540
75	34212	11864	6428
85	17040	4869	3331

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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	15381.452	15381.452	15381.452	15381.452	15381.452
2.5	15354.801	15499.478	15472.827	15423.332	15381.452
5.0	15408.103	15594.660	15636.540	15651.770	15636.540
7.5	15495.671	15735.530	15910.665	16005.847	16009.655
10.0	15598.467	15941.124	16238.092	16375.155	16405.613
12.5	15701.264	16158.139	16595.977	16767.306	16828.222
15.0	15773.603	16397.998	16972.899	17170.878	17220.373
17.5	15739.337	16550.290	17338.399	17528.764	17578.258
20.0	15617.504	16637.858	17646.790	17821.925	17741.972
22.5	15411.910	16626.436	17871.420	17909.493	17722.935
25.0	15122.556	16538.868	17928.529	17799.081	17414.545
27.5	14753.249	16375.155	17791.467	17437.389	16851.066
30.0	14345.869	16131.488	17494.498	16828.222	16112.452
32.5	13953.718	15849.749	16995.743	16036.306	15229.160
35.0	13611.062	15606.082	16344.696	15076.869	14284.952
37.5	13260.791	15335.764	15545.165	14086.973	13409.276
40.0	12887.677	15008.337	14726.598	13184.646	12682.083
42.5	12545.021	14600.957	13805.234	12392.729	12000.578
45.0	12103.375	14121.239	12868.640	11623.657	11319.073
47.5	11581.776	13489.229	11928.240	10846.969	10595.688
50.0	10964.995	12727.771	11003.068	10062.668	9704.782
52.5	10287.298	11844.479	10081.704	9019.470	8372.231
55.0	9556.298	10835.548	9118.460	7694.533	6929.268
57.5	8844.335	9651.480	8155.215	6262.992	5516.763
60.0	8124.757	8513.101	7001.606	4926.633	4328.889
62.5	7306.190	7424.216	5672.862	3795.868	3319.957
65.0	6476.200	6365.789	4370.769	2844.046	2383.364
67.5	5611.946	5345.435	3259.040	2002.635	1610.484
70.0	4785.764	4321.274	2311.025	1351.588	1096.500
72.5	3913.894	3327.572	1572.411	921.364	769.073
75.0	3019.181	2364.327	1047.005	658.661	567.286
77.5	2200.614	1538.145	704.349	468.297	407.380
80.0	1507.687	944.208	475.911	316.005	277.932
82.5	906.135	563.479	281.739	194.172	175.135
85.0	506.370	304.583	144.677	110.411	98.990
87.5	228.437	125.641	64.724	53.302	57.109
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	6263.08	N.A.	13.10
0-30	14125.63	N.A.	29.60
0-40	23652.93	N.A.	49.50
0-60	41305.46	N.A.	86.50
0-80	47456.44	N.A.	99.40
0-90	47738.13	N.A.	100.00
10-90	46231.31	N.A.	96.80
20-40	17389.85	N.A.	36.40
20-50	27072.25	N.A.	56.70
40-70	22170.64	N.A.	46.40
60-80	6150.98	N.A.	12.90
70-80	1632.86	N.A.	3.40
80-90	281.68	N.A.	0.60
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	47738.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1506.81
10-20	4756.27
20-30	7862.55
30-40	9527.31
40-50	9682.4
50-60	7970.13
60-70	4518.12
70-80	1632.86
80-90	281.68
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

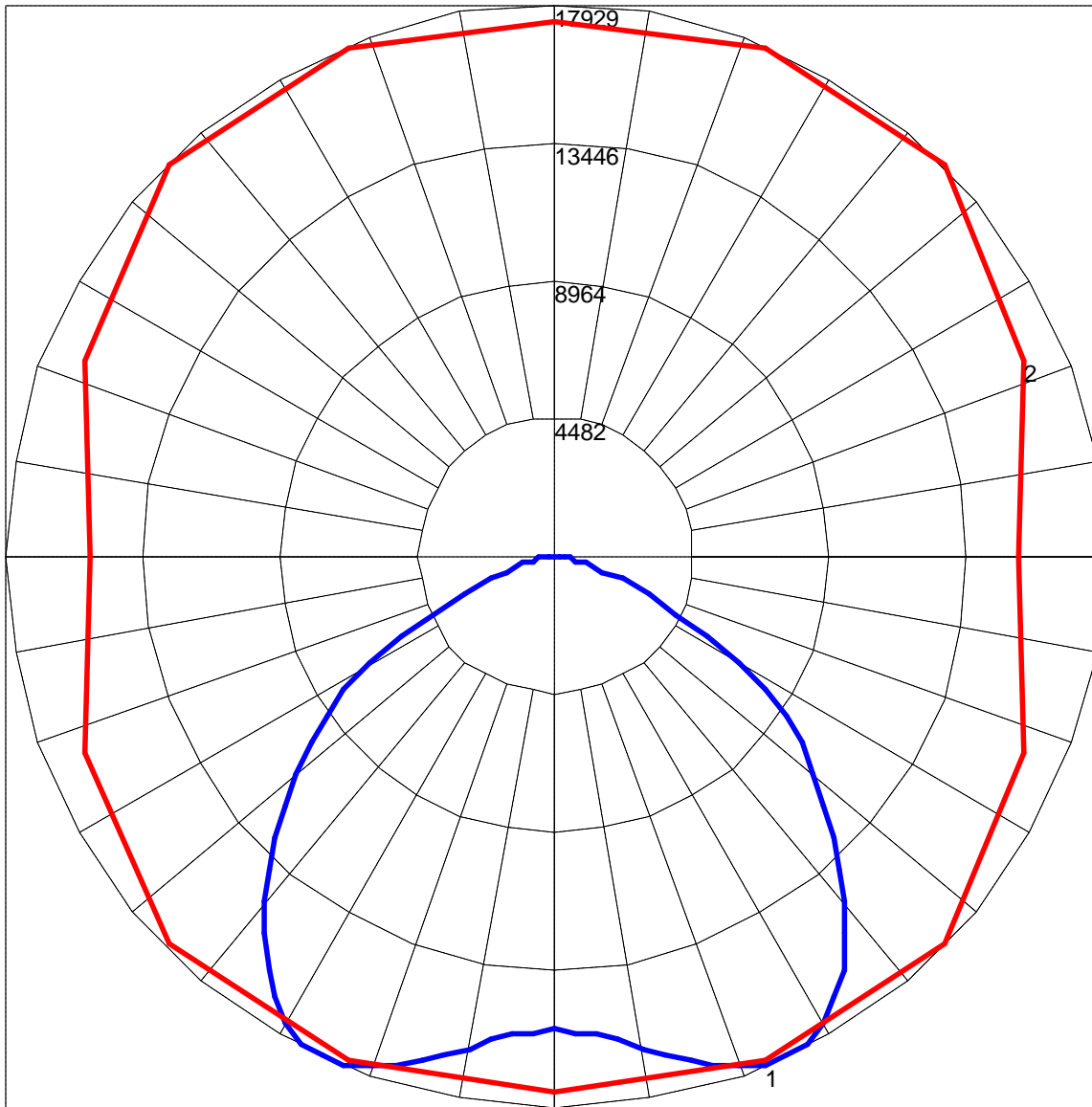
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	50	63	55	50	61	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	56	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 17928.529 Located At Horizontal Angle = 45, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)