



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-AL-40.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-40
[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	44676
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
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	46981	49952	43937
55	45730	43635	33159
65	42061	28387	15479
75	32018	11103	6016
85	15947	4556	3117

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : LHBXD14-LED-48L-AL-40.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	14394.884	14394.884	14394.884	14394.884	14394.884
2.5	14369.942	14505.340	14480.398	14434.078	14394.884
5.0	14419.826	14594.417	14633.611	14647.863	14633.611
7.5	14501.777	14726.251	14890.153	14979.231	14982.794
10.0	14597.980	14918.658	15196.579	15324.850	15353.355
12.5	14694.184	15121.754	15531.510	15691.849	15748.858
15.0	14761.882	15346.229	15884.256	16069.536	16115.856
17.5	14729.814	15488.753	16226.312	16404.467	16450.787
20.0	14615.796	15570.704	16514.923	16678.825	16604.000
22.5	14423.389	15560.014	16725.145	16760.776	16586.184
25.0	14152.594	15478.063	16778.591	16657.446	16297.574
27.5	13806.974	15324.850	16650.320	16318.953	15770.237
30.0	13425.723	15096.813	16372.399	15748.858	15078.997
32.5	13058.725	14833.144	15905.634	15007.735	14252.360
35.0	12738.047	14605.106	15296.346	14109.837	13368.714
37.5	12410.243	14352.127	14548.097	13183.433	12549.203
40.0	12061.060	14045.701	13782.032	12338.981	11868.653
42.5	11740.382	13664.450	12919.765	11597.858	11230.860
45.0	11327.063	13215.501	12043.244	10878.114	10593.067
47.5	10838.920	12624.028	11163.161	10151.244	9916.080
50.0	10261.699	11911.410	10297.330	9417.247	9082.317
52.5	9627.469	11084.773	9435.063	8440.960	7835.235
55.0	8943.356	10140.554	8533.601	7201.005	6484.824
57.5	8277.058	9032.433	7632.139	5861.283	5162.918
60.0	7603.634	7967.069	6552.523	4610.639	4051.233
62.5	6837.570	6948.026	5309.004	3552.401	3107.015
65.0	6060.816	5957.487	4090.427	2661.628	2230.494
67.5	5251.995	5002.578	3050.005	1874.185	1507.187
70.0	4478.804	4044.107	2162.796	1264.897	1026.170
72.5	3662.857	3114.141	1471.556	862.268	719.744
75.0	2825.530	2212.679	979.850	616.415	530.900
77.5	2059.466	1439.488	659.172	438.260	381.251
80.0	1410.984	883.646	445.386	295.736	260.106
82.5	848.015	527.337	263.669	181.718	163.902
85.0	473.891	285.047	135.397	103.330	92.640
87.5	213.785	117.582	60.573	49.883	53.446
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-AL-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	5861.37	N.A.	13.10
0-30	13219.61	N.A.	29.60
0-40	22135.83	N.A.	49.50
0-60	38656.12	N.A.	86.50
0-80	44412.58	N.A.	99.40
0-90	44676.2	N.A.	100.00
10-90	43266.03	N.A.	96.80
20-40	16274.47	N.A.	36.40
20-50	25335.83	N.A.	56.70
40-70	20748.62	N.A.	46.40
60-80	5756.46	N.A.	12.90
70-80	1528.13	N.A.	3.40
80-90	263.62	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	44676.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1410.16
10-20	4451.2
20-30	7358.24
30-40	8916.22
40-50	9061.37
50-60	7458.92
60-70	4228.33
70-80	1528.13
80-90	263.62
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

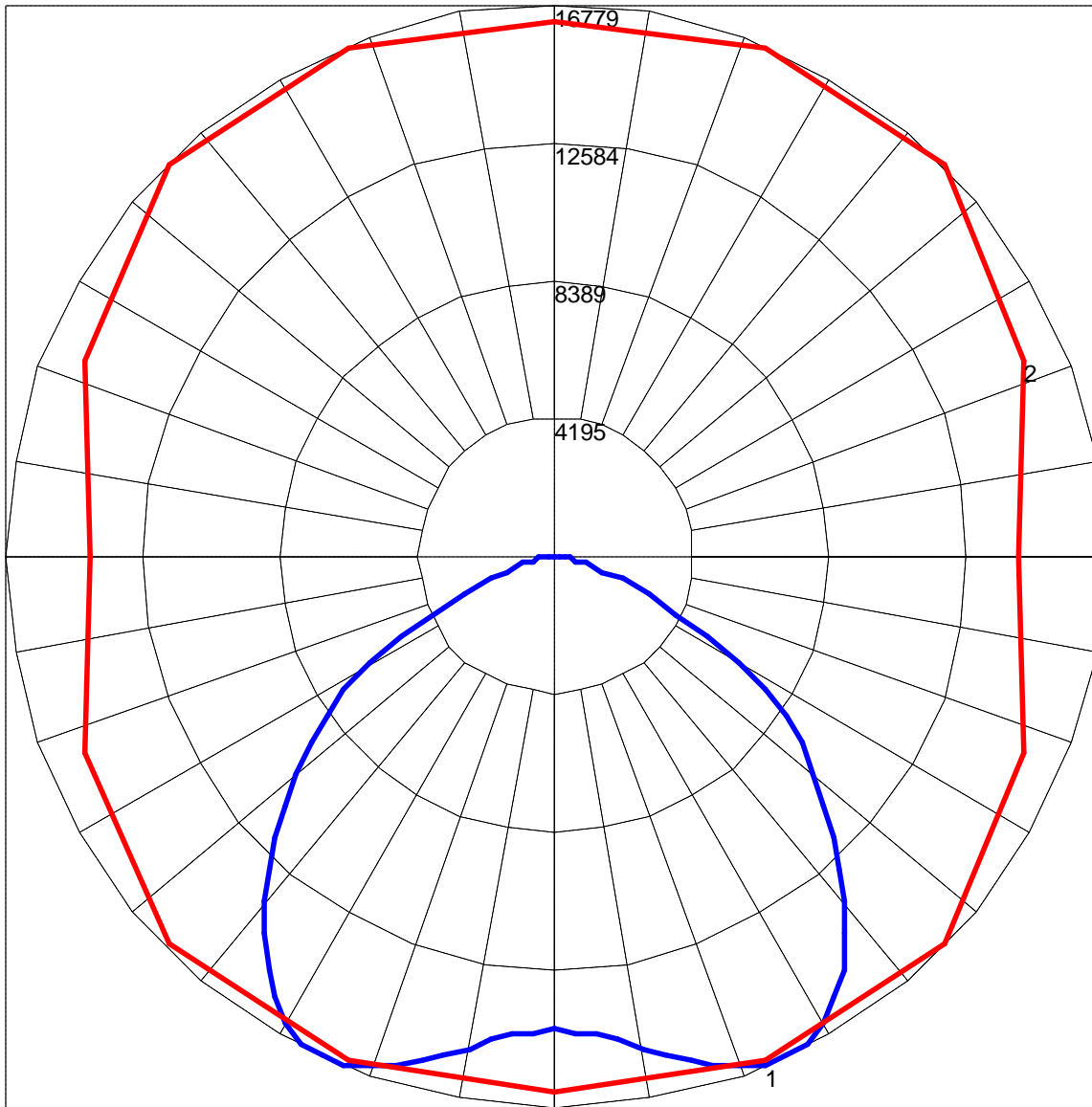
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-AL-40.IES

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 = 16778.591 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.)