



UL LLC
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Floodlight Distribution Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)

Prepared For
B-K Lighting INC

Daniel Carrejo
40429 Brickyard Dr.
Madera, CA 93636
United States

Catalog Number

OR-LED-e117-WFL-WHP-9-0-YM-MT(5000K)

Order Number
14151565
Test Number
14151565.09

Test Date

2022-01-13

Prepared By

Austin Duff, Technician

Approved By

Yilmaz Yucelidag, Project Handler

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Formed white metal housing with glass lens
Lamp: 49 White LED with optic below
Mounting: Pole/Arm
Ballast/Driver: DELTA USCI-200140GA

Luminaire



Luminaire Characteristics

Luminous Diameter: 9.00 in.

Summary of Results

Total Luminaire Output:	10620 Lumens
Luminaire Efficacy:	118 lm/w
Maximum Candela:	9055 Candela

Test Conditions

Test Temperature:	24.4 °C
Voltage:	120.1 VAC
Current:	0.7703 A
Power:	89.91 W
Power Factor:	0.972
Frequency:	60 Hz
Current THD:	21.6 %

Laboratory results may not be representative of field performance
Ballast factors have not been applied



Distribution - Goniophotometer

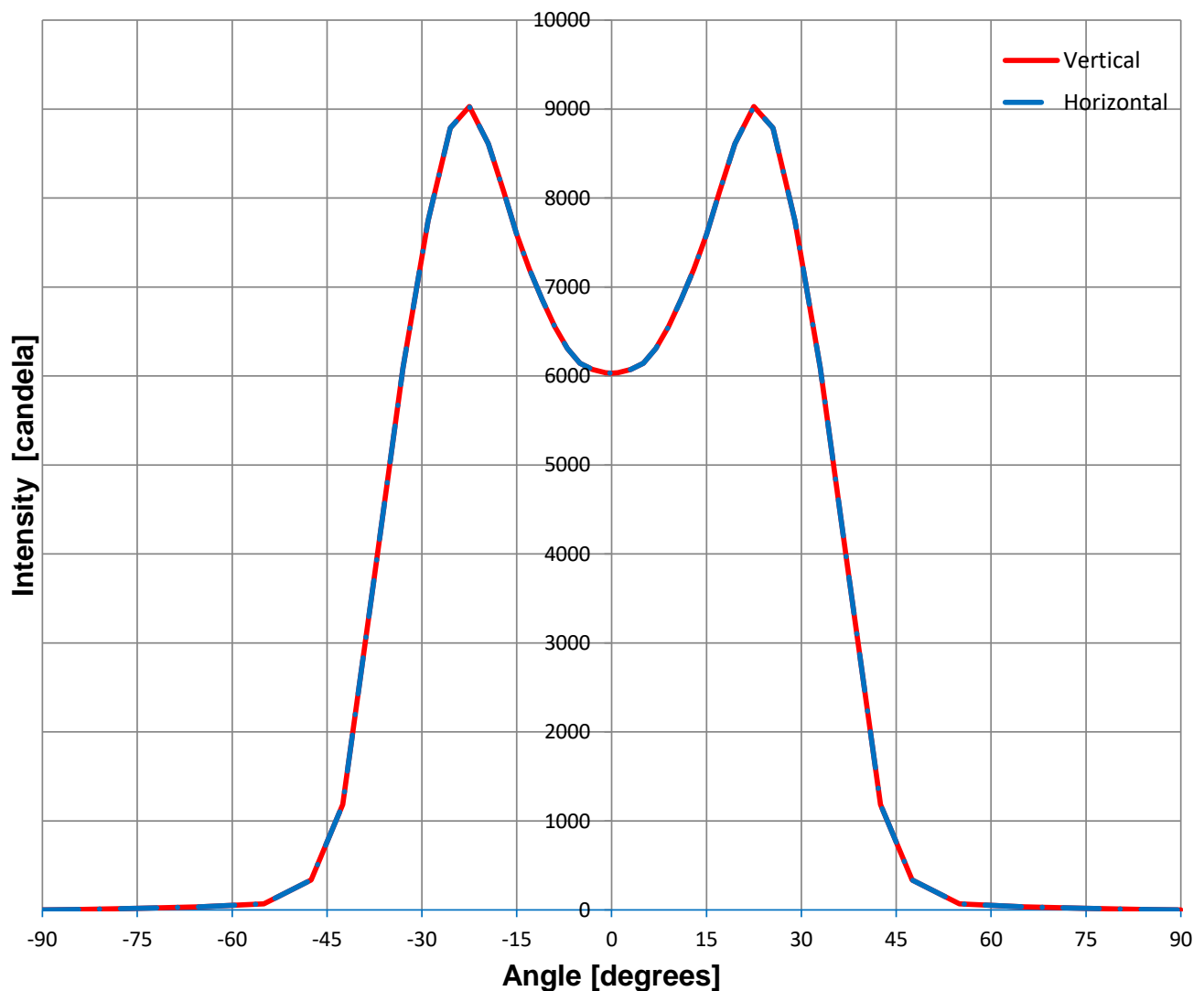
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	120.1 VAC	0.7703 A	89.91 W	0.972	60 Hz	21.6 %

Summary of Results

Total Lumen Output:	10621.0 Lumens	Maximum Candela:	9054.6 Candela
Luminaire Efficacy:	118.1 Lumens/Watt	Maximum Angle:	-22.5 H -22.5 V
Field Lumens:	10276.3 Lumens	Field Angle :	77.3 H X 77.3 V
Beam Lumens:	9045.9 Lumens	Beam Angle :	58.1 H X 58.1 V
Spill Light Lumens:	344.7 Lumens	IESNA Type:	5 H X 5 V

Maximum Candlepower Plot





Candela Tabulation

Lateral Angle (Degrees)

	0	1	3	5	7	9	11	13	15	17	19.5
85.0	4	4	4	4	4	4	4	4	4	4	4
75.0	18	18	18	17	17	17	17	17	17	16	16
65.0	33	33	33	33	33	33	33	33	33	32	32
55.0	67	67	67	66	65	64	63	61	59	57	54
47.5	338	337	332	320	304	284	263	237	211	184	151
42.5	1183	1180	1155	1106	1032	958	871	772	686	596	492
37.5	3743	3736	3683	3578	3421	3210	2950	2648	2305	1954	1519
33.0	6092	6085	6036	5936	5788	5591	5333	5023	4652	4215	3591
29.0	7748	7742	7695	7601	7462	7272	7029	6732	6383	5981	5393
25.5	8787	8783	8753	8692	8580	8430	8217	7950	7625	7239	6667
22.5	9029	9030	9039	9055	9037	9000	8901	8721	8462	8120	7583
19.5	8610	8615	8654	8727	8824	8929	9017	9045	8965	8756	8318
17.0	8063	8070	8123	8227	8371	8545	8736	8914	9030	9024	8756
15.0	7593	7601	7659	7774	7947	8166	8410	8660	8891	9030	8965
13.0	7202	7209	7264	7372	7539	7768	8056	8362	8660	8914	9045
11.0	6864	6871	6929	7041	7205	7425	7709	8056	8410	8736	9017
9.0	6556	6564	6628	6751	6927	7150	7425	7768	8166	8545	8929
7.0	6308	6316	6378	6502	6688	6927	7205	7539	7947	8371	8824
5.0	6144	6151	6202	6316	6502	6751	7041	7372	7774	8227	8727
3.0	6072	6077	6110	6202	6378	6628	6929	7264	7659	8123	8654
1.0	6037	6043	6077	6151	6316	6564	6871	7209	7601	8070	8615
0.0	6033	6037	6072	6144	6308	6556	6864	7202	7593	8063	8610
-1.0	6037	6043	6077	6151	6316	6564	6871	7209	7601	8070	8615
-3.0	6072	6077	6110	6202	6378	6628	6929	7264	7659	8123	8654
-5.0	6144	6151	6202	6316	6502	6751	7041	7372	7774	8227	8727
-7.0	6308	6316	6378	6502	6688	6927	7205	7539	7947	8371	8824
-9.0	6556	6564	6628	6751	6927	7150	7425	7768	8166	8545	8929
-11.0	6864	6871	6929	7041	7205	7425	7709	8056	8410	8736	9017
-13.0	7202	7209	7264	7372	7539	7768	8056	8362	8660	8914	9045
-15.0	7593	7601	7659	7774	7947	8166	8410	8660	8891	9030	8965
-17.0	8063	8070	8123	8227	8371	8545	8736	8914	9030	9024	8756
-19.5	8610	8615	8654	8727	8824	8929	9017	9045	8965	8756	8318
-22.5	9029	9030	9039	9055	9037	9000	8901	8721	8462	8120	7583
-25.5	8787	8783	8753	8692	8580	8430	8217	7950	7625	7239	6667
-29.0	7748	7742	7695	7601	7462	7272	7029	6732	6383	5981	5393
-33.0	6092	6085	6036	5936	5788	5591	5333	5023	4652	4215	3591
-37.5	3743	3736	3683	3578	3421	3210	2950	2648	2305	1954	1519
-42.5	1183	1180	1155	1106	1032	958	871	772	686	596	492
-47.5	338	337	332	320	304	284	263	237	211	184	151
-55.0	67	67	67	66	65	64	63	61	59	57	54
-65.0	33	33	33	33	33	33	33	33	33	32	32
-75.0	18	18	18	17	17	17	17	17	17	16	16
-85.0	4	4	4	4	4	4	4	4	4	4	4

Vertical Angle (Degrees)



Candela Tabulation

Lateral Angle (Degrees)

	22.5	25.5	29	33	37.5	42.5	47.5	55	65	75	85
85.0	4	4	4	3	3	3	3	3	2	1	1
75.0	15	14	14	12	11	9	7	5	4	3	1
65.0	32	32	31	29	28	25	21	16	7	4	2
55.0	50	47	43	40	36	33	32	27	16	5	3
47.5	117	94	77	64	52	43	36	32	21	7	3
42.5	376	275	179	105	74	55	43	33	25	9	3
37.5	1064	740	482	274	128	74	52	36	28	11	3
33.0	2742	1876	1079	578	274	105	64	40	29	12	3
29.0	4543	3528	2241	1079	482	179	77	43	31	14	4
25.5	5859	4890	3528	1876	740	275	94	47	32	14	4
22.5	6795	5859	4543	2742	1064	376	117	50	32	15	4
19.5	7583	6667	5393	3591	1519	492	151	54	32	16	4
17.0	8120	7239	5981	4215	1954	596	184	57	32	16	4
15.0	8462	7625	6383	4652	2305	686	211	59	33	17	4
13.0	8721	7950	6732	5023	2648	772	237	61	33	17	4
11.0	8901	8217	7029	5333	2950	871	263	63	33	17	4
9.0	9000	8430	7272	5591	3210	958	284	64	33	17	4
7.0	9037	8580	7462	5788	3421	1032	304	65	33	17	4
5.0	9055	8692	7601	5936	3578	1106	320	66	33	17	4
3.0	9039	8753	7695	6036	3683	1155	332	67	33	18	4
1.0	9030	8783	7742	6085	3736	1180	337	67	33	18	4
0.0	9029	8787	7748	6092	3743	1183	338	67	33	18	4
-1.0	9030	8783	7742	6085	3736	1180	337	67	33	18	4
-3.0	9039	8753	7695	6036	3683	1155	332	67	33	18	4
-5.0	9055	8692	7601	5936	3578	1106	320	66	33	17	4
-7.0	9037	8580	7462	5788	3421	1032	304	65	33	17	4
-9.0	9000	8430	7272	5591	3210	958	284	64	33	17	4
-11.0	8901	8217	7029	5333	2950	871	263	63	33	17	4
-13.0	8721	7950	6732	5023	2648	772	237	61	33	17	4
-15.0	8462	7625	6383	4652	2305	686	211	59	33	17	4
-17.0	8120	7239	5981	4215	1954	596	184	57	32	16	4
-19.5	7583	6667	5393	3591	1519	492	151	54	32	16	4
-22.5	6795	5859	4543	2742	1064	376	117	50	32	15	4
-25.5	5859	4890	3528	1876	740	275	94	47	32	14	4
-29.0	4543	3528	2241	1079	482	179	77	43	31	14	4
-33.0	2742	1876	1079	578	274	105	64	40	29	12	3
-37.5	1064	740	482	274	128	74	52	36	28	11	3
-42.5	376	275	179	105	74	55	43	33	25	9	3
-47.5	117	94	77	64	52	43	36	32	21	7	3
-55.0	50	47	43	40	36	33	32	27	16	5	3
-65.0	32	32	31	29	28	25	21	16	7	4	2
-75.0	15	14	14	12	11	9	7	5	4	3	1
-85.0	4	4	4	3	3	3	3	3	2	1	1

Vertical Angle (Degrees)



Isocandela Diagram (Percent of Maximum Intensity)

