



UL LLC
1075 W Lambert Rd Suite B
Brea, CA 92821

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IES LM-79-2008, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)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-FL-WHP-9-0-YM-MT(5000K)(NEMA 4)

Order Number
14151565
Test Number
14151565.07

Test Date

2022-01-12

Prepared By

Austin Duff, Technician

Approved By

Yilmaz Yucelidag, Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
This report must not be used by the client to claim product certification, approval, or endorsement by
NVLAP, NIST, or any agency of the Federal Government.



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:	10150 Lumens
Luminaire Efficacy:	113 lm/w
Maximum Candela:	17893 Candela

Test Conditions

Test Temperature:	24.4 °C
Voltage:	120.1 VAC
Current:	0.7695 A
Power:	89.80 W
Power Factor:	0.972
Frequency:	60 Hz
Current THD:	21.7 %

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



Distribution - Goniophotometer

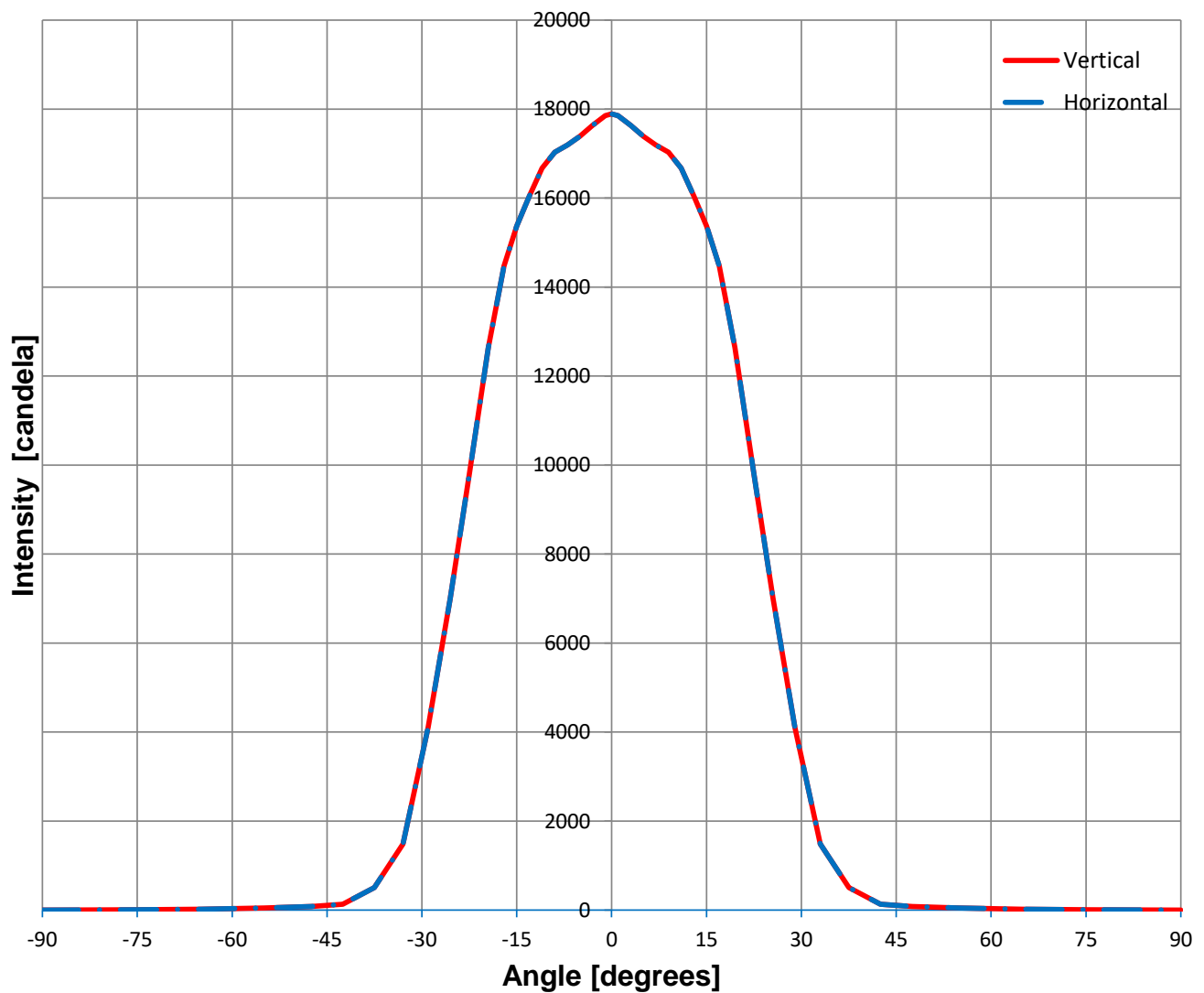
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	120.1 VAC	0.7695 A	89.80 W	0.972	60 Hz	21.7 %

Summary of Results

Total Lumen Output:	10152.1 Lumens	Maximum Candela:	17893.0 Candela
Luminaire Efficacy:	113.1 Lumens/Watt	Maximum Angle:	0 H 0 V
Field Lumens:	9610.9 Lumens	Field Angle :	65.1 H X 65.1 V
Beam Lumens:	7405.0 Lumens	Beam Angle :	46.8 H X 46.8 V
Spill Light Lumens:	541.2 Lumens	IESNA Type:	4 H X 4 V

Maximum Candlepower Plot





Candela Tabulation

Lateral Angle (Degrees)

	0	1	3	5	7	9	11	13	15	17	19.5
85.0	2	2	2	2	2	2	2	2	2	2	2
75.0	8	8	7	7	7	7	7	7	7	7	7
65.0	18	18	18	18	18	18	18	17	17	17	16
55.0	49	49	49	48	47	46	44	42	41	40	38
47.5	79	79	79	79	79	79	79	80	81	83	85
42.5	129	129	128	125	120	115	109	102	96	90	84
37.5	506	505	491	465	426	378	318	264	210	177	148
33.0	1484	1479	1438	1359	1240	1092	968	838	728	622	468
29.0	4103	4091	3996	3807	3527	3169	2743	2286	1821	1395	997
25.5	7008	6991	6859	6598	6229	5750	5191	4555	3855	3112	2190
22.5	9808	9788	9628	9314	8855	8259	7536	6722	5850	4942	3771
19.5	12638	12616	12445	12100	11563	10861	10014	9057	8000	6872	5451
17.0	14473	14454	14310	14027	13573	12923	12050	10977	9785	8524	6872
15.0	15373	15360	15256	15055	14713	14193	13435	12419	11164	9785	8000
13.0	16047	16035	15938	15751	15465	15066	14489	13603	12419	10977	9057
11.0	16675	16661	16551	16341	16042	15661	15169	14489	13435	12050	10014
9.0	17032	17025	16973	16843	16555	16142	15661	15066	14193	12923	10861
7.0	17193	17187	17141	17063	16924	16555	16042	15465	14713	13573	11563
5.0	17388	17378	17302	17187	17063	16843	16341	15751	15055	14027	12100
3.0	17635	17613	17476	17302	17141	16973	16551	15938	15256	14310	12445
1.0	17853	17817	17613	17378	17187	17025	16661	16035	15360	14454	12616
0.0	17893	17853	17635	17388	17193	17032	16675	16047	15373	14473	12638
-1.0	17853	17817	17613	17378	17187	17025	16661	16035	15360	14454	12616
-3.0	17635	17613	17476	17302	17141	16973	16551	15938	15256	14310	12445
-5.0	17388	17378	17302	17187	17063	16843	16341	15751	15055	14027	12100
-7.0	17193	17187	17141	17063	16924	16555	16042	15465	14713	13573	11563
-9.0	17032	17025	16973	16843	16555	16142	15661	15066	14193	12923	10861
-11.0	16675	16661	16551	16341	16042	15661	15169	14489	13435	12050	10014
-13.0	16047	16035	15938	15751	15465	15066	14489	13603	12419	10977	9057
-15.0	15373	15360	15256	15055	14713	14193	13435	12419	11164	9785	8000
-17.0	14473	14454	14310	14027	13573	12923	12050	10977	9785	8524	6872
-19.5	12638	12616	12445	12100	11563	10861	10014	9057	8000	6872	5451
-22.5	9808	9788	9628	9314	8855	8259	7536	6722	5850	4942	3771
-25.5	7008	6991	6859	6598	6229	5750	5191	4555	3855	3112	2190
-29.0	4103	4091	3996	3807	3527	3169	2743	2286	1821	1395	997
-33.0	1484	1479	1438	1359	1240	1092	968	838	728	622	468
-37.5	506	505	491	465	426	378	318	264	210	177	148
-42.5	129	129	128	125	120	115	109	102	96	90	84
-47.5	79	79	79	79	79	79	79	80	81	83	85
-55.0	49	49	49	48	47	46	44	42	41	40	38
-65.0	18	18	18	18	18	18	18	17	17	17	16
-75.0	8	8	7	7	7	7	7	7	7	7	7
-85.0	2	2	2	2	2	2	2	2	2	2	2

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	2	2	2	2	2	2	2	1	1	1	0
75.0	7	6	6	6	5	5	4	3	2	2	1
65.0	15	15	14	12	11	10	9	7	4	2	1
55.0	37	34	30	25	21	18	15	11	7	3	1
47.5	85	79	62	46	38	29	21	15	9	4	2
42.5	80	79	83	84	57	39	29	18	10	5	2
37.5	122	100	83	79	87	57	38	21	11	5	2
33.0	278	170	123	89	79	84	46	25	12	6	2
29.0	699	453	203	123	83	83	62	30	14	6	2
25.5	1296	799	453	170	100	79	79	34	15	6	2
22.5	2380	1296	699	278	122	80	85	37	15	7	2
19.5	3771	2190	997	468	148	84	85	38	16	7	2
17.0	4942	3112	1395	622	177	90	83	40	17	7	2
15.0	5850	3855	1821	728	210	96	81	41	17	7	2
13.0	6722	4555	2286	838	264	102	80	42	17	7	2
11.0	7536	5191	2743	968	318	109	79	44	18	7	2
9.0	8259	5750	3169	1092	378	115	79	46	18	7	2
7.0	8855	6229	3527	1240	426	120	79	47	18	7	2
5.0	9314	6598	3807	1359	465	125	79	48	18	7	2
3.0	9628	6859	3996	1438	491	128	79	49	18	7	2
1.0	9788	6991	4091	1479	505	129	79	49	18	8	2
0.0	9808	7008	4103	1484	506	129	79	49	18	8	2
-1.0	9788	6991	4091	1479	505	129	79	49	18	8	2
-3.0	9628	6859	3996	1438	491	128	79	49	18	7	2
-5.0	9314	6598	3807	1359	465	125	79	48	18	7	2
-7.0	8855	6229	3527	1240	426	120	79	47	18	7	2
-9.0	8259	5750	3169	1092	378	115	79	46	18	7	2
-11.0	7536	5191	2743	968	318	109	79	44	18	7	2
-13.0	6722	4555	2286	838	264	102	80	42	17	7	2
-15.0	5850	3855	1821	728	210	96	81	41	17	7	2
-17.0	4942	3112	1395	622	177	90	83	40	17	7	2
-19.5	3771	2190	997	468	148	84	85	38	16	7	2
-22.5	2380	1296	699	278	122	80	85	37	15	7	2
-25.5	1296	799	453	170	100	79	79	34	15	6	2
-29.0	699	453	203	123	83	83	62	30	14	6	2
-33.0	278	170	123	89	79	84	46	25	12	6	2
-37.5	122	100	83	79	87	57	38	21	11	5	2
-42.5	80	79	83	84	57	39	29	18	10	5	2
-47.5	85	79	62	46	38	29	21	15	9	4	2
-55.0	37	34	30	25	21	18	15	11	7	3	1
-65.0	15	15	14	12	11	10	9	7	4	2	1
-75.0	7	6	6	6	5	5	4	3	2	2	1
-85.0	2	2	2	2	2	2	2	1	1	1	0

Vertical Angle (Degrees)



Isocandela Diagram (Percent of Maximum Intensity)

