



UL LLC
1075 W Lambert Rd Suite B
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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IES LM-79-2008, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)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-MFL-WHP-9-0-YM-MT(5000K)(NEMA 5)

Order Number
14151565
Test Number
14151565.08A

Revision of Test Number 14151565.08 on:

2022-01-20
Test Date

2022-01-20

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:	11270 Lumens
Luminaire Efficacy:	125 lm/w
Maximum Candela:	20879 Candela

Test Conditions

Test Temperature:	24.4 °C
Voltage:	120.0 VAC
Current:	0.7712 A
Power:	90.00 W
Power Factor:	0.972
Frequency:	60 Hz
Current THD:	21.2 %

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



Distribution - Goniophotometer

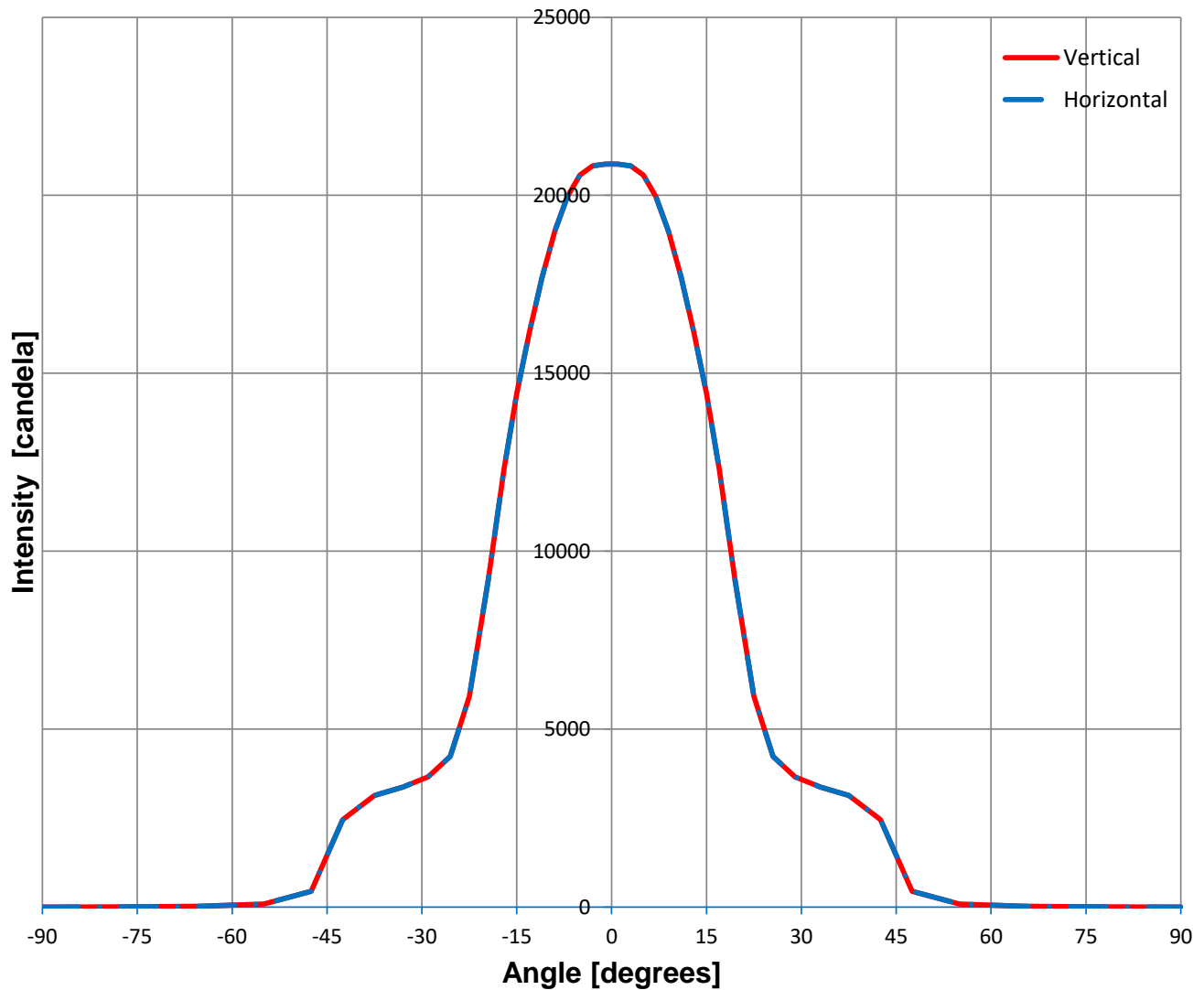
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	120.0 VAC	0.7712 A	90.00 W	0.972	60 Hz	21.2 %

Summary of Results

Total Lumen Output:	11273.0 Lumens	Maximum Candela:	20878.5 Candela
Luminaire Efficacy:	125.3 Lumens/Watt	Maximum Angle:	0 H 0 V
Field Lumens:	10770.4 Lumens	Field Angle :	86.8 H X 86.8 V
Beam Lumens:	5245.9 Lumens	Beam Angle :	37.0 H X 37.0 V
Spill Light Lumens:	502.6 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	12	12	12	12	12	12	12	11	11	11	11
65.0	22	22	22	21	21	21	21	20	20	19	18
55.0	86	86	86	84	82	80	76	73	68	63	57
47.5	444	443	427	396	349	306	268	223	192	171	153
42.5	2461	2457	2430	2375	2294	2164	1999	1801	1565	1301	944
37.5	3135	3135	3130	3121	3107	3088	3064	3031	2991	2912	2733
33.0	3376	3375	3368	3355	3336	3311	3283	3251	3216	3177	3122
29.0	3660	3658	3648	3629	3600	3563	3519	3471	3418	3361	3290
25.5	4234	4229	4184	4096	4007	3897	3803	3714	3634	3557	3461
22.5	5926	5908	5765	5487	5168	4781	4424	4138	3920	3763	3625
19.5	9204	9174	8930	8456	7786	6976	6111	5308	4653	4189	3845
17.0	12304	12270	11995	11455	10653	9612	8393	7101	5905	4938	4189
15.0	14424	14391	14133	13630	12842	11770	10425	8892	7303	5905	4653
13.0	16150	16119	15873	15398	14662	13656	12340	10704	8892	7101	5308
11.0	17694	17659	17389	16872	16138	15166	13915	12340	10425	8393	6111
9.0	18991	18958	18698	18187	17399	16382	15166	13656	11770	9612	6976
7.0	19966	19934	19694	19206	18453	17399	16138	14662	12842	10653	7786
5.0	20570	20545	20355	19936	19206	18187	16872	15398	13630	11455	8456
3.0	20831	20816	20698	20355	19694	18698	17389	15873	14133	11995	8930
1.0	20875	20872	20816	20545	19934	18958	17659	16119	14391	12270	9174
0.0	20879	20875	20831	20570	19966	18991	17694	16150	14424	12304	9204
-1.0	20875	20872	20816	20545	19934	18958	17659	16119	14391	12270	9174
-3.0	20831	20816	20698	20355	19694	18698	17389	15873	14133	11995	8930
-5.0	20570	20545	20355	19936	19206	18187	16872	15398	13630	11455	8456
-7.0	19966	19934	19694	19206	18453	17399	16138	14662	12842	10653	7786
-9.0	18991	18958	18698	18187	17399	16382	15166	13656	11770	9612	6976
-11.0	17694	17659	17389	16872	16138	15166	13915	12340	10425	8393	6111
-13.0	16150	16119	15873	15398	14662	13656	12340	10704	8892	7101	5308
-15.0	14424	14391	14133	13630	12842	11770	10425	8892	7303	5905	4653
-17.0	12304	12270	11995	11455	10653	9612	8393	7101	5905	4938	4189
-19.5	9204	9174	8930	8456	7786	6976	6111	5308	4653	4189	3845
-22.5	5926	5908	5765	5487	5168	4781	4424	4138	3920	3763	3625
-25.5	4234	4229	4184	4096	4007	3897	3803	3714	3634	3557	3461
-29.0	3660	3658	3648	3629	3600	3563	3519	3471	3418	3361	3290
-33.0	3376	3375	3368	3355	3336	3311	3283	3251	3216	3177	3122
-37.5	3135	3135	3130	3121	3107	3088	3064	3031	2991	2912	2733
-42.5	2461	2457	2430	2375	2294	2164	1999	1801	1565	1301	944
-47.5	444	443	427	396	349	306	268	223	192	171	153
-55.0	86	86	86	84	82	80	76	73	68	63	57
-65.0	22	22	22	21	21	21	21	20	20	19	18
-75.0	12	12	12	12	12	12	12	11	11	11	11
-85.0	4	4	4	4	4	4	4	4	4	4	4

Vertical Angle (Degrees)



Candela Tabulation

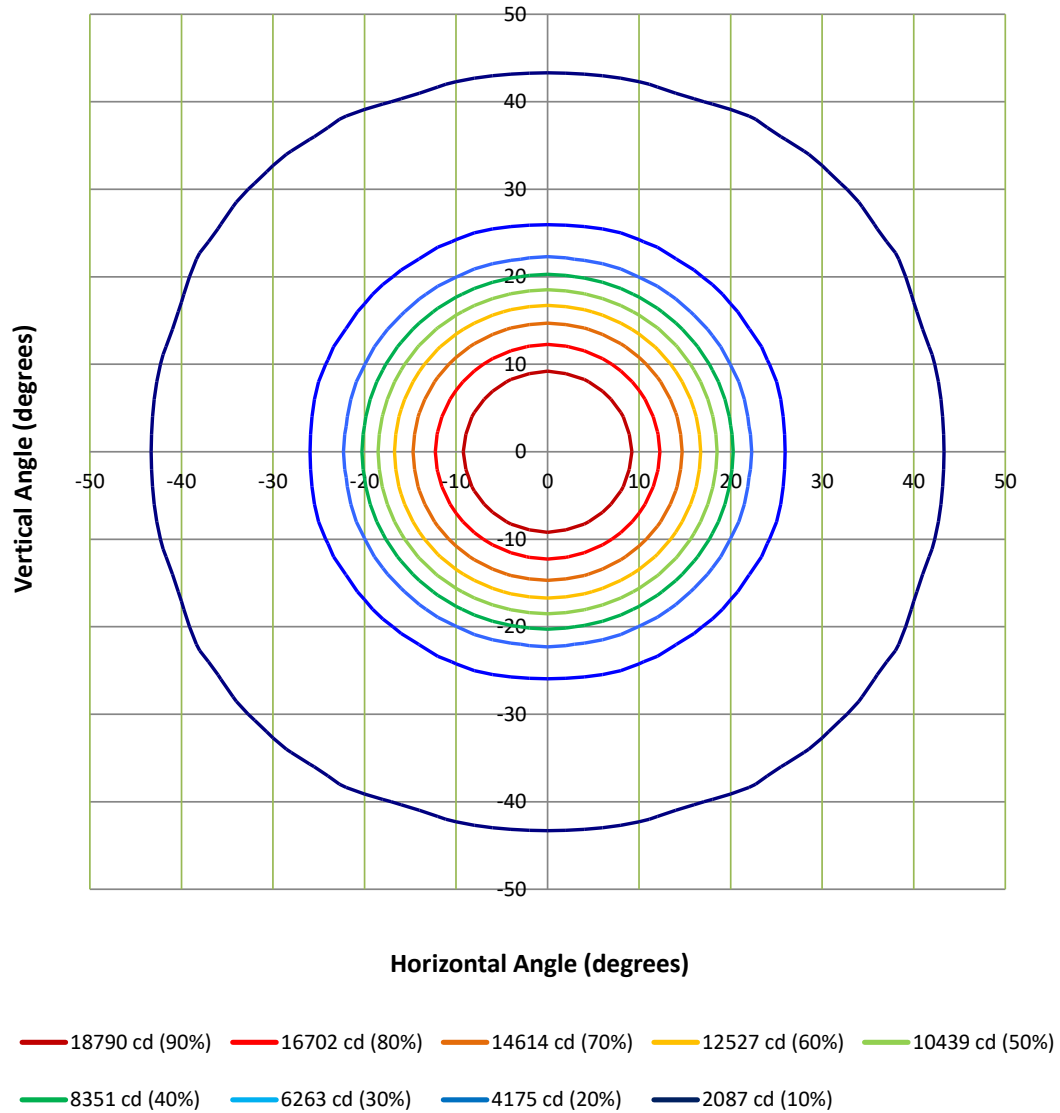
Lateral Angle (Degrees)

	22.5	25.5	29	33	37.5	42.5	47.5	55	65	75	85
85.0	4	4	4	4	4	3	3	3	2	1	1
75.0	11	11	10	10	9	8	6	5	4	3	1
65.0	18	17	16	15	14	13	12	11	7	4	2
55.0	50	45	39	33	27	22	17	14	11	5	3
47.5	139	124	104	80	54	38	28	17	12	6	3
42.5	550	289	167	133	98	59	38	22	13	8	3
37.5	2329	1713	910	288	144	98	54	27	14	9	4
33.0	3042	2894	2346	1241	288	133	80	33	15	10	4
29.0	3206	3116	2978	2346	910	167	104	39	16	10	4
25.5	3345	3239	3116	2894	1713	289	124	45	17	11	4
22.5	3481	3345	3206	3042	2329	550	139	50	18	11	4
19.5	3625	3461	3290	3122	2733	944	153	57	18	11	4
17.0	3763	3557	3361	3177	2912	1301	171	63	19	11	4
15.0	3920	3634	3418	3216	2991	1565	192	68	20	11	4
13.0	4138	3714	3471	3251	3031	1801	223	73	20	11	4
11.0	4424	3803	3519	3283	3064	1999	268	76	21	12	4
9.0	4781	3897	3563	3311	3088	2164	306	80	21	12	4
7.0	5168	4007	3600	3336	3107	2294	349	82	21	12	4
5.0	5487	4096	3629	3355	3121	2375	396	84	21	12	4
3.0	5765	4184	3648	3368	3130	2430	427	86	22	12	4
1.0	5908	4229	3658	3375	3135	2457	443	86	22	12	4
0.0	5926	4234	3660	3376	3135	2461	444	86	22	12	4
-1.0	5908	4229	3658	3375	3135	2457	443	86	22	12	4
-3.0	5765	4184	3648	3368	3130	2430	427	86	22	12	4
-5.0	5487	4096	3629	3355	3121	2375	396	84	21	12	4
-7.0	5168	4007	3600	3336	3107	2294	349	82	21	12	4
-9.0	4781	3897	3563	3311	3088	2164	306	80	21	12	4
-11.0	4424	3803	3519	3283	3064	1999	268	76	21	12	4
-13.0	4138	3714	3471	3251	3031	1801	223	73	20	11	4
-15.0	3920	3634	3418	3216	2991	1565	192	68	20	11	4
-17.0	3763	3557	3361	3177	2912	1301	171	63	19	11	4
-19.5	3625	3461	3290	3122	2733	944	153	57	18	11	4
-22.5	3481	3345	3206	3042	2329	550	139	50	18	11	4
-25.5	3345	3239	3116	2894	1713	289	124	45	17	11	4
-29.0	3206	3116	2978	2346	910	167	104	39	16	10	4
-33.0	3042	2894	2346	1241	288	133	80	33	15	10	4
-37.5	2329	1713	910	288	144	98	54	27	14	9	4
-42.5	550	289	167	133	98	59	38	22	13	8	3
-47.5	139	124	104	80	54	38	28	17	12	6	3
-55.0	50	45	39	33	27	22	17	14	11	5	3
-65.0	18	17	16	15	14	13	12	11	7	4	2
-75.0	11	11	10	10	9	8	6	5	4	3	1
-85.0	4	4	4	4	4	3	3	3	2	1	1

Vertical Angle (Degrees)



Isocandela Diagram (Percent of Maximum Intensity)





Attachment A

Amended Report Documentation

[illegible]