



UL LLC
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Floodlight Distribution Test Report

Relevant Standards
IES LM-79-2019, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)

Prepared For
B-K LIGHTING INC
40429 Brickyard Dr
Madera, CA 93636-9515
United States

Catalog Number
NS-LED-e207-SP-WHP-9-E

Project Number
15884175
Test Number
15884175.19

Test Date
2026-01-15

Issue Date
2026-01-26

Prepared By

Jesse Reyna, Laboratory Leader

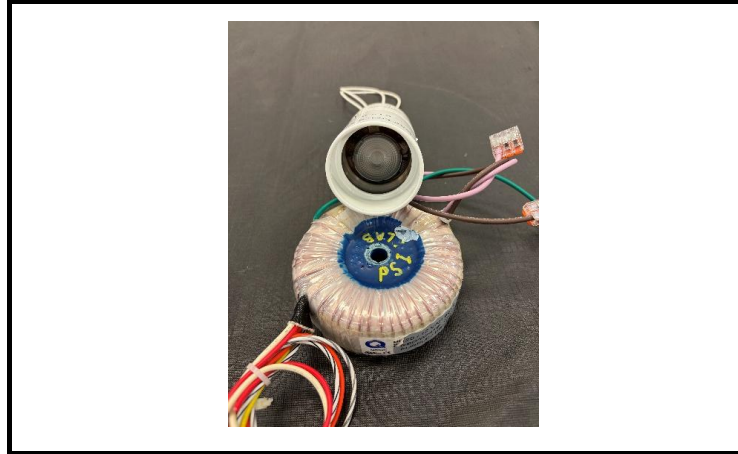
Approved By

Shivani Vyas, Engineering Project Handler

The results contained in this report pertain only to the tested sample.
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Luminaire Description: White aluminum cylindrical housing with clear lens cap (spot)
Lamp: 1 LED array
Mounting: Pendant
Ballast/Driver: Qtran QOM-60DC+CAP-120

Luminaire



Luminaire Characteristics

Luminous Diameter: 2.00 in.

Summary of Results

Total Luminaire Output: 490.1 Lumens
 Luminaire Efficacy: 51.1 lm/w
 Maximum Candela: 2335 Candela

Test Conditions

Test Temperature: 24.9 °C
 Voltage: 120.1 VAC
 Current: 0.08795 A
 Power: 9.594 W
 Power Factor: 0.908
 Frequency: 60 Hz
 Current THD: 45.2 %

The device under test emits no detectable uplight, as defined by ANSI/IES LM-75-19. For the purpose of this report, certain non-zero uplight readings have been assigned a zero value, in accordance with the requirements of ANSI/IES LM-75-19

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

Distribution - Goniophotometer

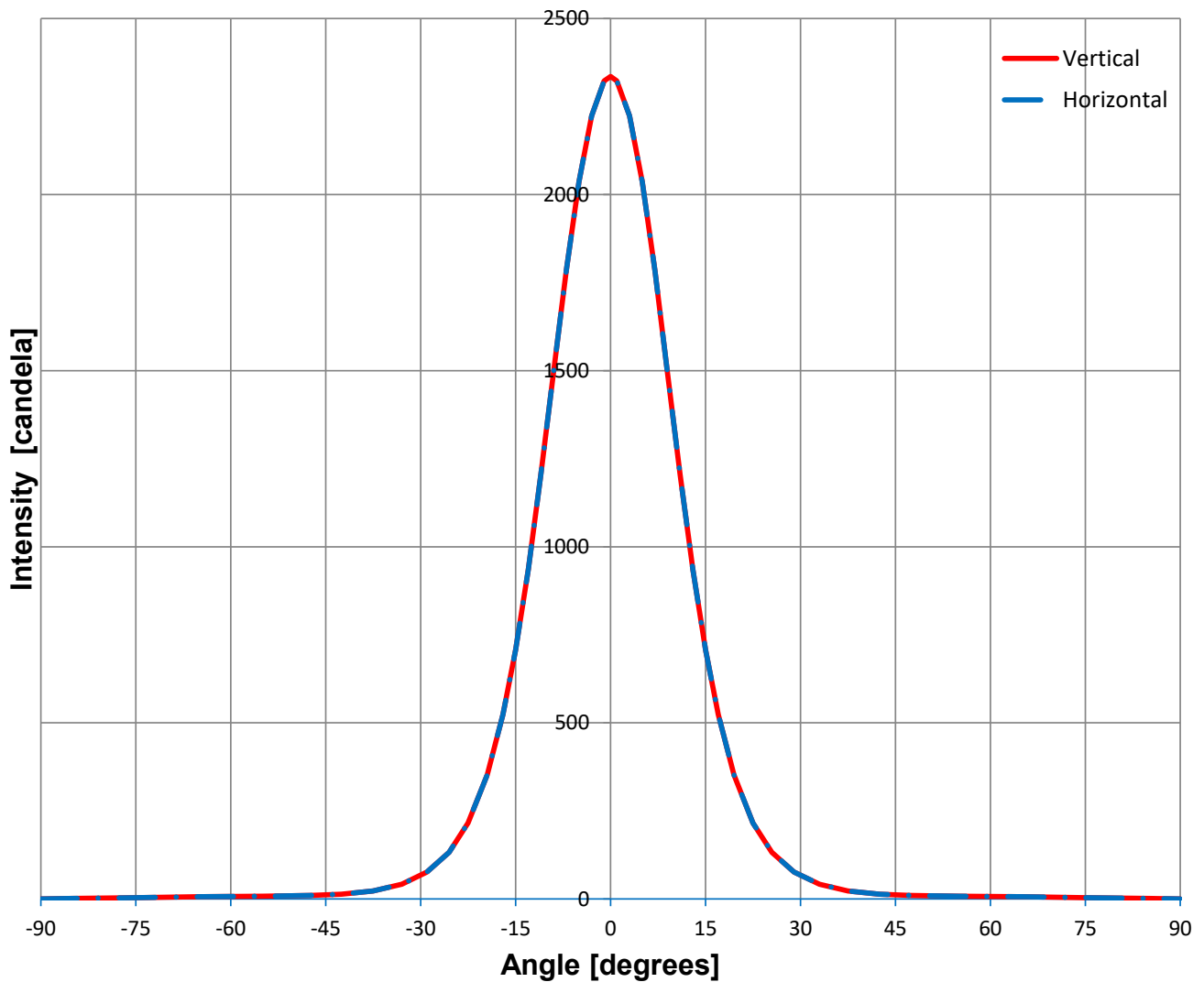
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.1 VAC	0.08795 A	9.594 W	0.908	60 Hz	45.2 %

Summary of Results

Total Lumen Output:	490.1 Lumens	Maximum Candela:	2335.4 Candela
Luminaire Efficacy:	51.1 Lumens/Watt	Maximum Angle:	0 H 0 V
Field Lumens:	389.3 Lumens	Field Angle :	44.2 H X 44.2 V
Beam Lumens:	198.1 Lumens	Beam Angle :	22.5 H X 22.5 V
Spill Light Lumens:	100.8 Lumens	IESNA Type:	3 H X 3 V

Maximum Candlepower Plot



Candela Tabulation
Lateral Angle (Degrees)

	0	1	3	5	7	9	11	13	15	17	19.5
85.0	1	1	1	1	1	1	1	1	1	1	1
75.0	4	4	4	4	4	4	4	4	4	4	4
65.0	6	6	6	6	6	6	6	6	6	6	6
55.0	8	8	8	8	8	8	8	8	8	8	8
47.5	10	10	10	10	10	10	10	9	9	9	9
42.5	13	13	13	13	13	12	12	12	12	11	11
37.5	22	22	22	22	21	20	19	18	17	16	14
33.0	42	42	41	40	38	36	33	30	28	25	22
29.0	76	76	75	72	68	64	58	53	47	41	34
25.5	132	132	129	123	115	105	94	83	73	63	51
22.5	216	215	209	197	183	164	145	125	107	90	72
19.5	353	351	340	319	291	258	223	189	157	129	99
17.0	524	521	504	471	425	371	316	263	215	172	129
15.0	707	704	679	630	565	491	413	338	272	215	157
13.0	936	932	896	827	736	632	526	428	338	263	189
11.0	1204	1198	1149	1057	935	797	658	526	413	316	223
9.0	1495	1487	1423	1306	1151	975	797	632	491	371	258
7.0	1784	1774	1696	1554	1364	1151	935	736	565	425	291
5.0	2036	2025	1937	1774	1554	1306	1057	827	630	471	319
3.0	2224	2210	2115	1937	1696	1423	1149	896	679	504	340
1.0	2323	2307	2210	2025	1774	1487	1198	932	704	521	351
0.0	2335	2323	2224	2036	1784	1495	1204	936	707	524	353
-1.0	2323	2307	2210	2025	1774	1487	1198	932	704	521	351
-3.0	2224	2210	2115	1937	1696	1423	1149	896	679	504	340
-5.0	2036	2025	1937	1774	1554	1306	1057	827	630	471	319
-7.0	1784	1774	1696	1554	1364	1151	935	736	565	425	291
-9.0	1495	1487	1423	1306	1151	975	797	632	491	371	258
-11.0	1204	1198	1149	1057	935	797	658	526	413	316	223
-13.0	936	932	896	827	736	632	526	428	338	263	189
-15.0	707	704	679	630	565	491	413	338	272	215	157
-17.0	524	521	504	471	425	371	316	263	215	172	129
-19.5	353	351	340	319	291	258	223	189	157	129	99
-22.5	216	215	209	197	183	164	145	125	107	90	72
-25.5	132	132	129	123	115	105	94	83	73	63	51
-29.0	76	76	75	72	68	64	58	53	47	41	34
-33.0	42	42	41	40	38	36	33	30	28	25	22
-37.5	22	22	22	22	21	20	19	18	17	16	14
-42.5	13	13	13	13	13	12	12	12	12	11	11
-47.5	10	10	10	10	10	10	10	9	9	9	9
-55.0	8	8	8	8	8	8	8	8	8	8	8
-65.0	6	6	6	6	6	6	6	6	6	6	6
-75.0	4	4	4	4	4	4	4	4	4	4	4
-85.0	1	1	1	1	1	1	1	1	1	1	1

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	1	1	1	1	1	1	1	1	0	0	0
75.0	3	3	3	3	3	3	2	2	1	1	0
65.0	6	6	6	5	5	5	4	3	3	1	0
55.0	8	8	8	7	7	6	6	5	3	2	1
47.5	9	8	8	8	8	8	7	6	4	2	1
42.5	10	10	9	8	8	8	8	6	5	3	1
37.5	13	12	11	10	9	8	8	7	5	3	1
33.0	19	16	13	11	10	8	8	7	5	3	1
29.0	27	22	17	13	11	9	8	8	6	3	1
25.5	39	29	22	16	12	10	8	8	6	3	1
22.5	54	39	27	19	13	10	9	8	6	3	1
19.5	72	51	34	22	14	11	9	8	6	4	1
17.0	90	63	41	25	16	11	9	8	6	4	1
15.0	107	73	47	28	17	12	9	8	6	4	1
13.0	125	83	53	30	18	12	9	8	6	4	1
11.0	145	94	58	33	19	12	10	8	6	4	1
9.0	164	105	64	36	20	12	10	8	6	4	1
7.0	183	115	68	38	21	13	10	8	6	4	1
5.0	197	123	72	40	22	13	10	8	6	4	1
3.0	209	129	75	41	22	13	10	8	6	4	1
1.0	215	132	76	42	22	13	10	8	6	4	1
0.0	216	132	76	42	22	13	10	8	6	4	1
-1.0	215	132	76	42	22	13	10	8	6	4	1
-3.0	209	129	75	41	22	13	10	8	6	4	1
-5.0	197	123	72	40	22	13	10	8	6	4	1
-7.0	183	115	68	38	21	13	10	8	6	4	1
-9.0	164	105	64	36	20	12	10	8	6	4	1
-11.0	145	94	58	33	19	12	10	8	6	4	1
-13.0	125	83	53	30	18	12	9	8	6	4	1
-15.0	107	73	47	28	17	12	9	8	6	4	1
-17.0	90	63	41	25	16	11	9	8	6	4	1
-19.5	72	51	34	22	14	11	9	8	6	4	1
-22.5	54	39	27	19	13	10	9	8	6	3	1
-25.5	39	29	22	16	12	10	8	8	6	3	1
-29.0	27	22	17	13	11	9	8	8	6	3	1
-33.0	19	16	13	11	10	8	8	7	5	3	1
-37.5	13	12	11	10	9	8	8	7	5	3	1
42.5	10	10	9	8	8	8	8	6	5	3	1
-47.5	9	8	8	8	8	8	7	6	4	2	1
-55.0	8	8	8	7	7	6	6	5	3	2	1
-65.0	6	6	6	5	5	5	4	3	3	1	0
-75.0	3	3	3	3	3	3	2	2	1	1	0
-85.0	1	1	1	1	1	1	1	1	0	0	0

Vertical Angle (Degrees)

Isocandela Diagram (Percent of Maximum Intensity)

