



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IES LM-79-2019, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)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-NSP-WHP-9-E

Project Number
15884175
Test Number
15884175.18

Test Date
2026-01-14

Issue Date
2026-01-26

Prepared By

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Approved By

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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 (narrow spot optic)
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: 576.2 Lumens
 Luminaire Efficacy: 58.2 lm/w
 Maximum Candela: 9128 Candela

Test Conditions

Test Temperature: 25.1 °C
 Voltage: 120.1 VAC
 Current: 0.09041 A
 Power: 9.908 W
 Power Factor: 0.913
 Frequency: 60 Hz
 Current THD: 43.9 %

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

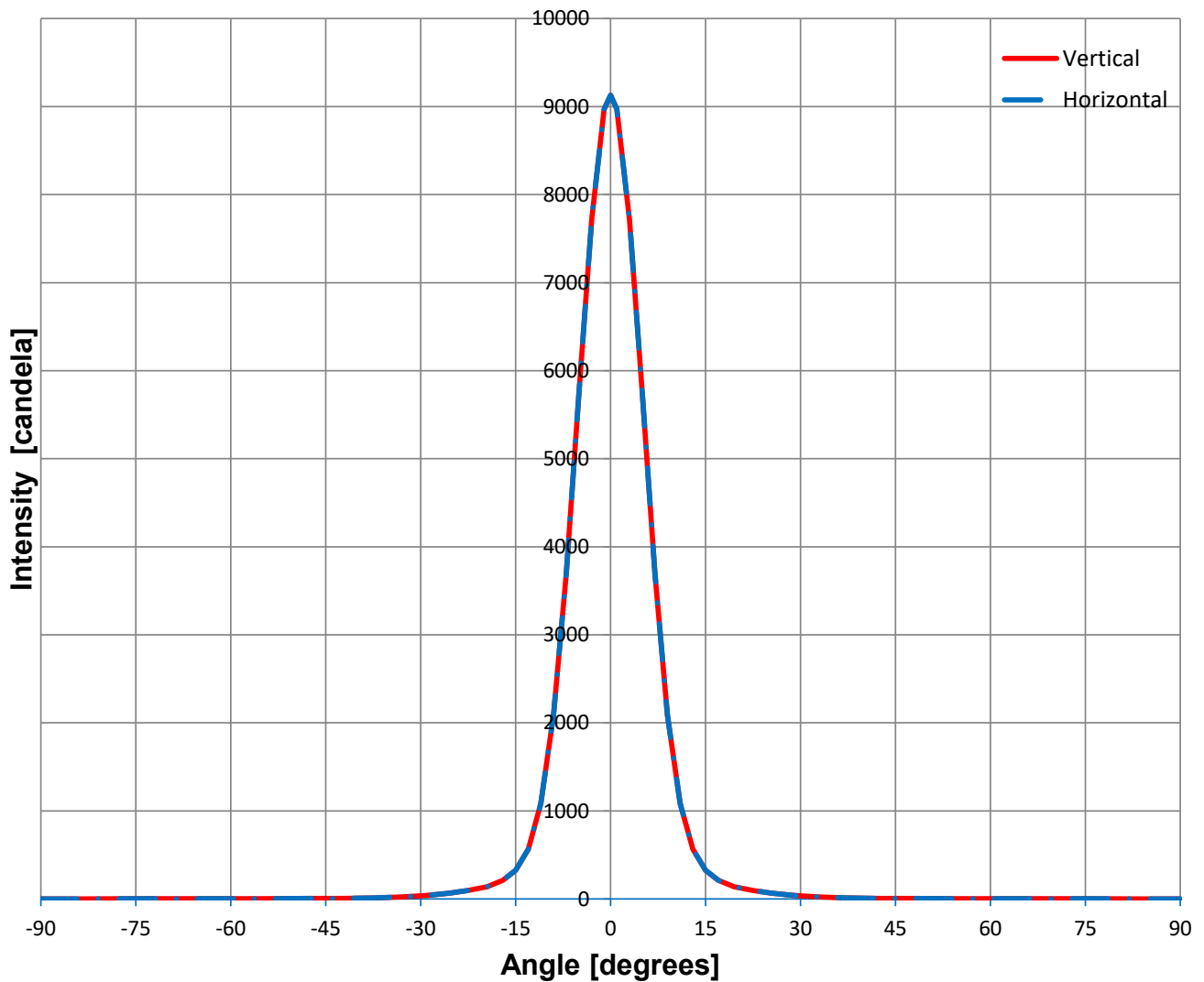
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.1 VAC	0.09041 A	9.908 W	0.913	60 Hz	43.9 %

Summary of Results

Total Lumen Output:	576.2 Lumens	Maximum Candela:	9128.4 Candela
Luminaire Efficacy:	58.2 Lumens/Watt	Maximum Angle:	0 H 0 V
Field Lumens:	445.7 Lumens	Field Angle :	23.3 H X 23.3 V
Beam Lumens:	251.4 Lumens	Beam Angle :	12.3 H X 12.3 V
Spill Light Lumens:	130.5 Lumens	IESNA Type:	2 H X 2 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	2	2	2	2	2	2	2	2	2	2	2
65.0	3	3	3	3	3	3	3	3	3	3	3
55.0	4	4	4	4	4	4	4	4	4	4	4
47.5	5	5	5	5	5	5	5	5	4	4	4
42.5	6	6	6	6	6	6	6	5	5	5	5
37.5	12	12	12	12	11	11	10	10	9	8	7
33.0	21	21	21	20	19	18	17	16	15	13	12
29.0	39	39	38	37	35	33	30	27	24	21	17
25.5	66	65	64	62	58	54	48	43	37	32	26
22.5	96	96	94	90	85	78	71	63	54	46	37
19.5	139	139	134	127	119	109	98	87	76	64	51
17.0	211	210	202	188	168	146	126	110	96	81	64
15.0	324	322	305	271	233	196	163	134	113	96	76
13.0	565	560	517	434	350	273	212	169	134	110	87
11.0	1085	1071	963	762	563	404	290	212	163	126	98
9.0	2089	2058	1813	1393	967	628	404	273	196	146	109
7.0	3690	3627	3151	2382	1581	967	563	350	233	168	119
5.0	5747	5642	4864	3631	2382	1393	762	434	271	188	127
3.0	7713	7560	6525	4864	3151	1813	963	517	305	202	134
1.0	8970	8762	7560	5642	3627	2058	1071	560	322	210	139
0.0	9128	8970	7713	5747	3690	2089	1085	565	324	211	139
-1.0	8970	8762	7560	5642	3627	2058	1071	560	322	210	139
-3.0	7713	7560	6525	4864	3151	1813	963	517	305	202	134
-5.0	5747	5642	4864	3631	2382	1393	762	434	271	188	127
-7.0	3690	3627	3151	2382	1581	967	563	350	233	168	119
-9.0	2089	2058	1813	1393	967	628	404	273	196	146	109
-11.0	1085	1071	963	762	563	404	290	212	163	126	98
-13.0	565	560	517	434	350	273	212	169	134	110	87
-15.0	324	322	305	271	233	196	163	134	113	96	76
-17.0	211	210	202	188	168	146	126	110	96	81	64
-19.5	139	139	134	127	119	109	98	87	76	64	51
-22.5	96	96	94	90	85	78	71	63	54	46	37
-25.5	66	65	64	62	58	54	48	43	37	32	26
-29.0	39	39	38	37	35	33	30	27	24	21	17
-33.0	21	21	21	20	19	18	17	16	15	13	12
-37.5	12	12	12	12	11	11	10	10	9	8	7
-42.5	6	6	6	6	6	6	6	5	5	5	5
-47.5	5	5	5	5	5	5	5	5	4	4	4
-55.0	4	4	4	4	4	4	4	4	4	4	4
-65.0	3	3	3	3	3	3	3	3	3	3	3
-75.0	2	2	2	2	2	2	2	2	2	2	2
-85.0	1	1	1	1	1	1	1	1	1	1	1

Vertical Angle (Degrees)

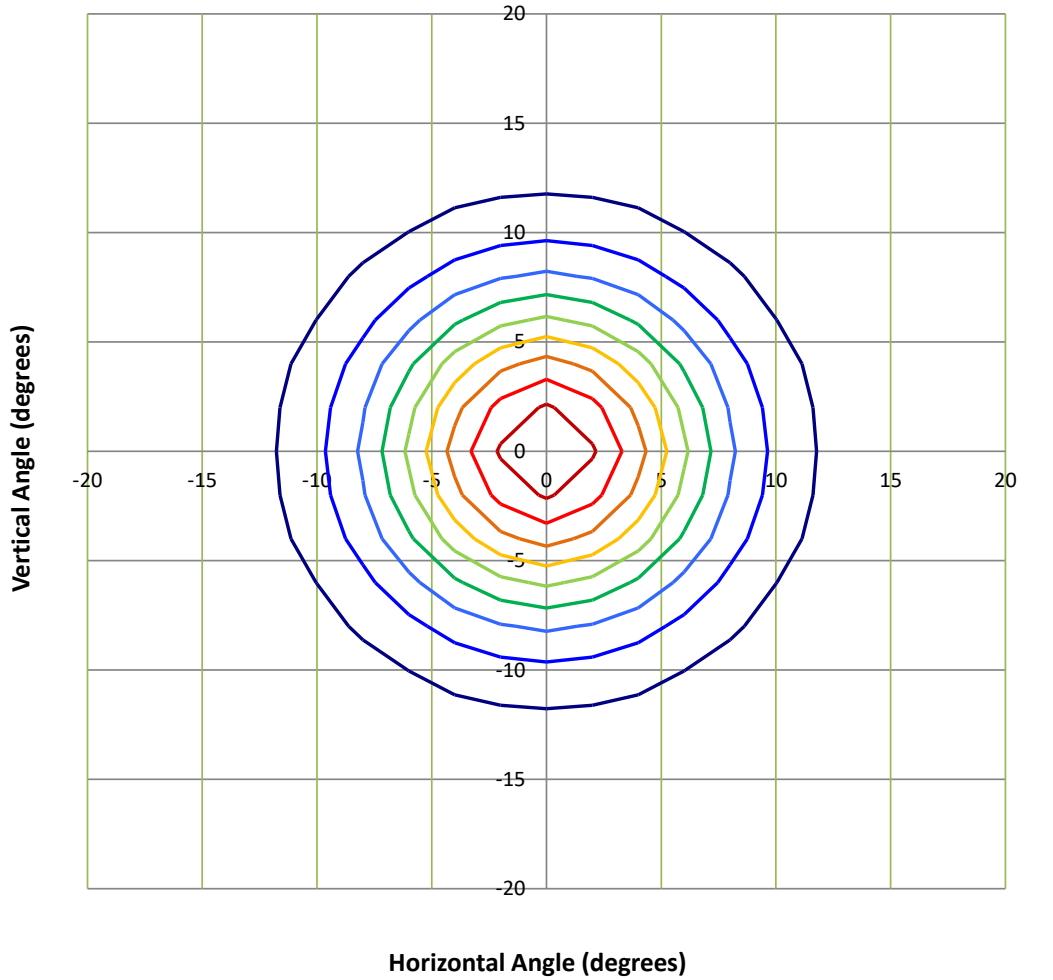


Candela Tabulation
Lateral Angle (Degrees)

	22.5	25.5	29	33	37.5	42.5	47.5	55	65	75	85
85.0	1	1	0	0	0	0	0	0	0	0	0
75.0	2	2	2	2	2	1	1	1	1	0	0
65.0	3	3	3	3	3	2	2	2	1	1	0
55.0	4	4	4	4	3	3	3	3	2	1	0
47.5	4	4	4	4	4	4	3	3	2	1	0
42.5	5	5	4	4	4	4	4	3	2	1	0
37.5	6	5	5	5	4	4	4	3	3	2	0
33.0	10	8	6	5	5	4	4	4	3	2	0
29.0	14	12	9	6	5	4	4	4	3	2	0
25.5	20	15	12	8	5	5	4	4	3	2	1
22.5	27	20	14	10	6	5	4	4	3	2	1
19.5	37	26	17	12	7	5	4	4	3	2	1
17.0	46	32	21	13	8	5	4	4	3	2	1
15.0	54	37	24	15	9	5	4	4	3	2	1
13.0	63	43	27	16	10	5	5	4	3	2	1
11.0	71	48	30	17	10	6	5	4	3	2	1
9.0	78	54	33	18	11	6	5	4	3	2	1
7.0	85	58	35	19	11	6	5	4	3	2	1
5.0	90	62	37	20	12	6	5	4	3	2	1
3.0	94	64	38	21	12	6	5	4	3	2	1
1.0	96	65	39	21	12	6	5	4	3	2	1
0.0	96	66	39	21	12	6	5	4	3	2	1
-1.0	96	65	39	21	12	6	5	4	3	2	1
-3.0	94	64	38	21	12	6	5	4	3	2	1
-5.0	90	62	37	20	12	6	5	4	3	2	1
-7.0	85	58	35	19	11	6	5	4	3	2	1
-9.0	78	54	33	18	11	6	5	4	3	2	1
-11.0	71	48	30	17	10	6	5	4	3	2	1
-13.0	63	43	27	16	10	5	5	4	3	2	1
-15.0	54	37	24	15	9	5	4	4	3	2	1
-17.0	46	32	21	13	8	5	4	4	3	2	1
-19.5	37	26	17	12	7	5	4	4	3	2	1
-22.5	27	20	14	10	6	5	4	4	3	2	1
-25.5	20	15	12	8	5	5	4	4	3	2	1
-29.0	14	12	9	6	5	4	4	4	3	2	0
-33.0	10	8	6	5	5	4	4	4	3	2	0
-37.5	6	5	5	5	4	4	4	3	3	2	0
42.5	5	5	4	4	4	4	4	3	2	1	0
-47.5	4	4	4	4	4	4	3	3	2	1	0
-55.0	4	4	4	4	3	3	3	3	2	1	0
-65.0	3	3	3	3	3	2	2	2	1	1	0
-75.0	2	2	2	2	2	1	1	1	1	0	0
-85.0	1	1	0	0	0	0	0	0	0	0	0

Vertical Angle (Degrees)

Isocandela Diagram (Percent of Maximum Intensity)



— 8215 cd (90%)
 — 7302 cd (80%)
 — 6389 cd (70%)
 — 5477 cd (60%)
 — 4564 cd (50%)
— 3651 cd (40%)
 — 2738 cd (30%)
 — 1825 cd (20%)
 — 912 cd (10%)