



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

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IES LM-79-2019, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)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

Project Number
15884175
Test Number
15884175.15

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 tall ANGLED 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.
 Luminous Height: 3.000 in.

Summary of Results

Total Luminaire Output: 559.5 Lumens
 Luminaire Efficacy: 56.5 lm/w
 Maximum Candela: 8960 Candela

Test Conditions

Test Temperature: 24.5 °C
 Voltage: 120.1 VAC
 Current: 0.09043 A
 Power: 9.909 W
 Power Factor: 0.912
 Frequency: 60 Hz
 Current THD: 43.9 %

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

Distribution - Goniophotometer

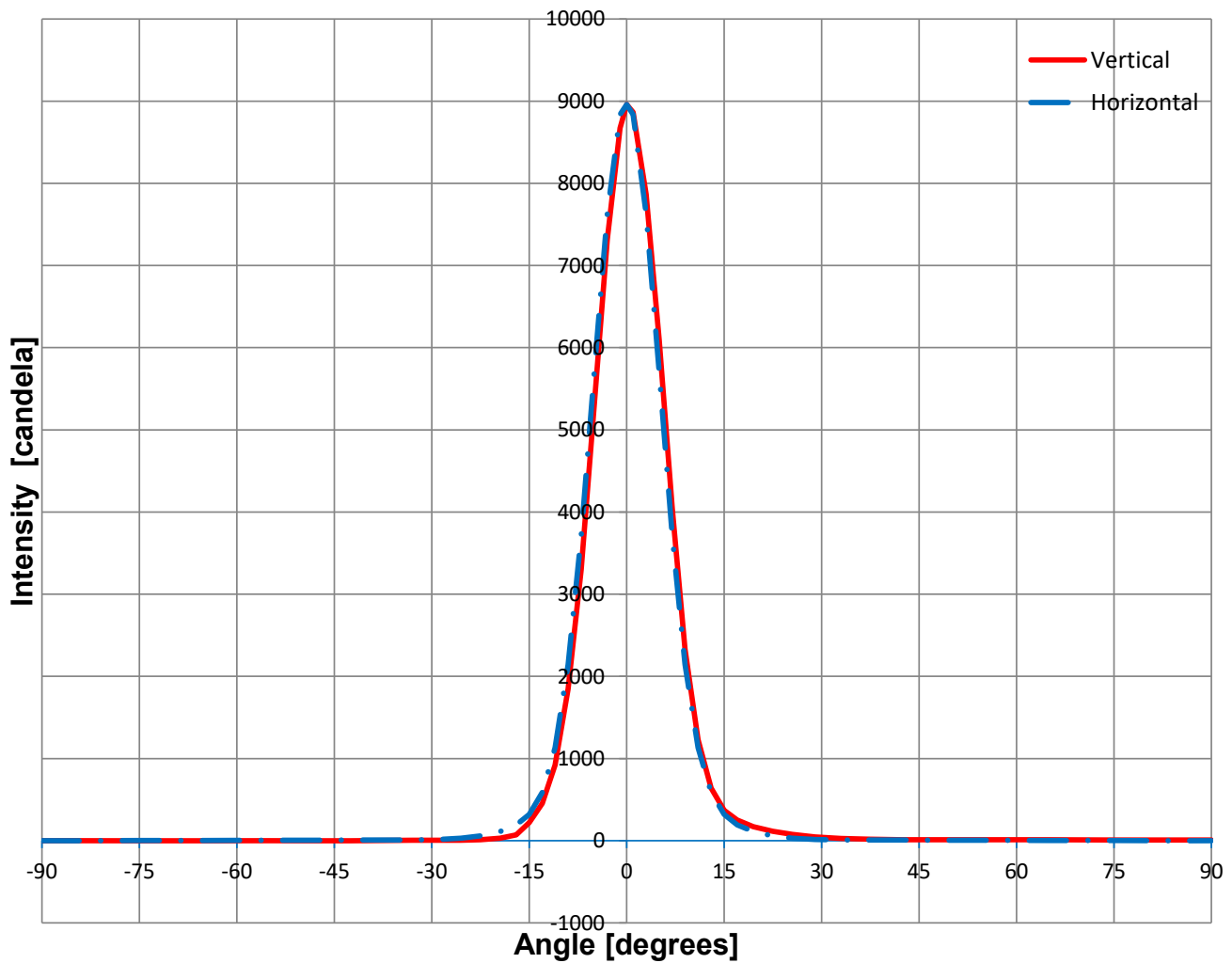
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.1 VAC	0.09043 A	9.909 W	0.912	60 Hz	43.9 %

Summary of Results

Total Lumen Output:	559.5 Lumens	Maximum Candela:	8959.7 Candela	
Luminaire Efficacy:	56.5 Lumens/Watt	Maximum Angle:	0 H	0 V
Field Lumens:	441.5 Lumens	Field Angle :	23.7 H	X 23.2 V
Beam Lumens:	248.3 Lumens	Beam Angle :	12.5 H	X 12.4 V
Spill Light Lumens:	118.0 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	9	9	9	9	8	8	8	8	8	8	8
75.0	10	10	10	10	10	10	10	10	10	10	10
65.0	11	11	11	11	11	11	11	11	11	11	11
55.0	12	12	12	12	12	12	12	12	12	12	12
47.5	12	12	12	12	12	12	12	12	12	12	11
42.5	13	13	13	13	13	13	12	12	12	12	12
37.5	19	19	19	18	18	17	16	15	13	13	12
33.0	27	27	27	26	25	24	22	21	19	18	15
29.0	47	46	45	43	40	37	33	29	26	23	20
25.5	78	77	74	70	65	59	53	46	39	32	26
22.5	115	113	108	103	96	86	75	64	55	46	35
19.5	169	165	157	148	138	123	107	91	76	64	49
17.0	251	243	231	215	192	166	143	120	99	81	62
15.0	370	351	329	297	258	217	182	150	121	96	72
13.0	640	599	548	466	374	296	232	185	146	113	83
11.0	1227	1131	1002	804	595	435	317	229	174	131	93
9.0	2327	2159	1903	1446	1017	672	441	296	206	148	102
7.0	4047	3802	3304	2492	1653	1022	610	379	242	165	111
5.0	6092	5803	5006	3764	2483	1463	808	465	282	181	116
3.0	7866	7595	6587	4965	3237	1892	1013	549	314	192	117
1.0	8864	8635	7510	5638	3677	2129	1138	593	327	194	115
0.0	8960	8837	7627	5699	3709	2145	1133	587	321	192	111
-1.0	8671	8550	7414	5554	3611	2094	1108	571	312	186	105
-3.0	7315	7276	6320	4735	3110	1836	984	513	285	172	91
-5.0	5297	5337	4642	3501	2335	1397	751	407	236	144	74
-7.0	3299	3396	2958	2268	1548	933	527	305	184	107	57
-9.0	1848	1920	1690	1327	909	574	344	214	127	74	42
-11.0	922	966	877	680	497	341	220	129	77	49	31
-13.0	454	473	440	357	276	188	115	70	46	33	23
-15.0	220	228	210	168	121	82	56	41	30	23	16
-17.0	71	73	71	62	51	41	32	25	20	16	12
-19.5	29	30	29	26	23	20	17	14	12	10	9
-22.5	11	11	11	11	10	9	8	8	8	8	7
-25.5	6	7	7	7	7	7	7	7	7	7	6
-29.0	6	6	6	6	6	6	6	6	5	5	5
-33.0	5	5	5	5	5	4	4	4	4	4	4
-37.5	2	2	2	2	2	2	2	2	2	2	2
-42.5	0	0	1	1	1	1	1	1	1	0	0
-47.5	0	0	0	0	0	0	0	0	0	0	0
-55.0	0	0	0	0	0	0	0	0	0	0	0
-65.0	0	0	0	0	0	0	0	0	0	0	0
-75.0	0	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0	0

Vertical Angle (Degrees)

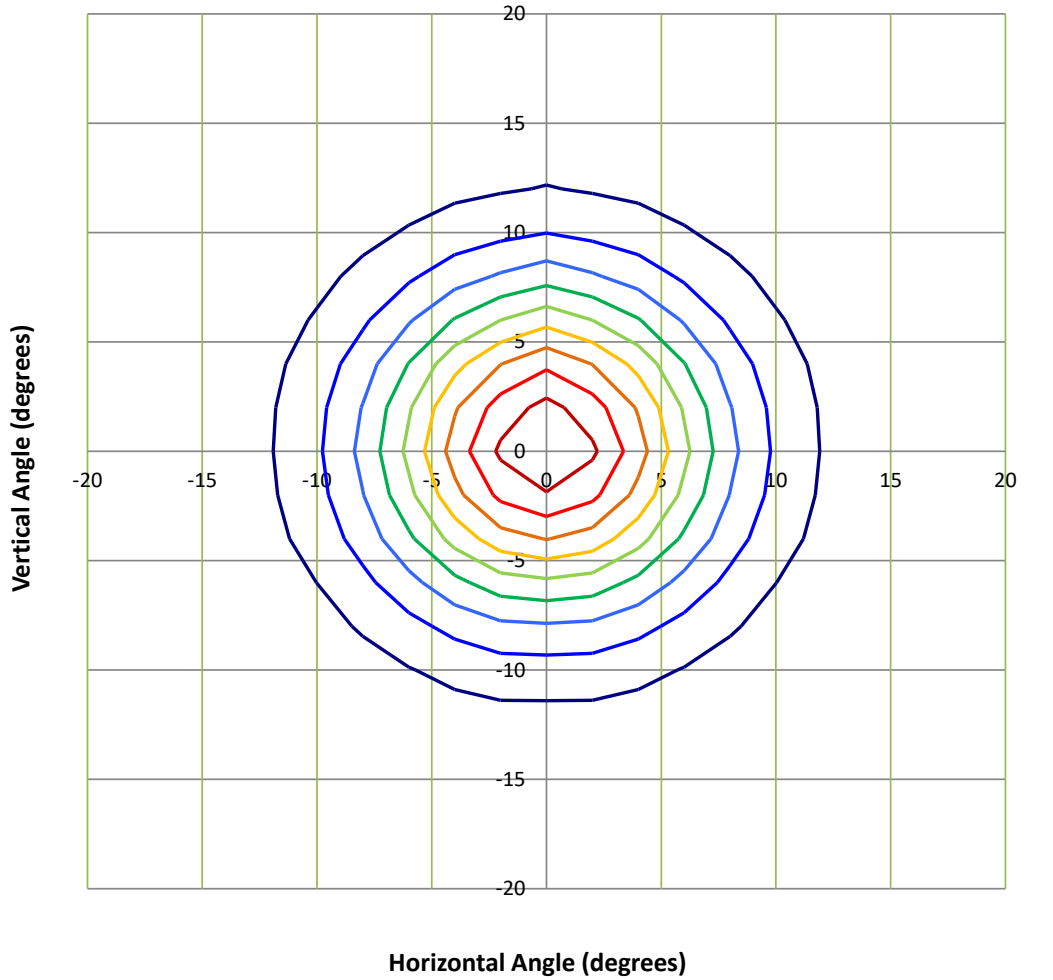


Candela Tabulation
Lateral Angle (Degrees)

	22.5	25.5	29	33	37.5	42.5	47.5	55	65	75	85
85.0	8	8	7	7	7	6	6	5	4	2	1
75.0	9	9	9	9	8	8	7	6	4	3	1
65.0	11	10	10	10	9	9	8	7	5	3	1
55.0	11	11	11	10	10	9	8	7	5	3	1
47.5	11	11	11	11	10	9	9	7	5	3	1
42.5	11	11	11	11	10	10	9	7	5	3	1
37.5	12	11	11	10	10	10	9	7	5	3	1
33.0	13	12	11	10	10	10	9	7	5	3	1
29.0	16	13	11	10	10	9	9	7	5	3	1
25.5	21	15	12	10	10	9	8	7	5	3	1
22.5	26	18	13	11	9	9	8	7	5	3	1
19.5	33	23	14	11	9	9	8	7	5	3	1
17.0	41	26	15	11	9	9	8	7	5	3	1
15.0	47	30	16	11	9	9	8	7	5	3	1
13.0	52	33	17	12	9	8	8	6	5	3	1
11.0	57	36	18	12	9	8	8	6	5	3	1
9.0	62	37	18	12	9	8	8	6	4	3	1
7.0	65	38	19	11	9	8	7	6	4	2	1
5.0	64	37	19	11	9	8	7	6	4	2	1
3.0	63	36	18	11	8	8	7	6	4	2	1
1.0	60	33	17	10	8	7	7	6	4	2	1
0.0	57	31	16	10	8	7	7	5	4	2	1
-1.0	54	29	16	10	8	7	7	5	4	2	1
-3.0	46	26	14	9	8	7	6	5	4	2	1
-5.0	39	23	13	9	8	7	6	5	4	2	1
-7.0	31	19	11	9	7	7	6	5	3	2	1
-9.0	24	16	10	8	7	6	6	5	3	2	1
-11.0	19	13	9	8	7	6	5	4	3	2	1
-13.0	15	11	9	7	7	6	5	4	3	2	1
-15.0	12	9	8	7	6	5	5	4	3	2	0
-17.0	10	8	7	7	6	5	4	4	3	1	0
-19.5	8	7	7	6	5	5	4	3	2	1	0
-22.5	7	6	6	5	5	4	4	3	2	1	0
-25.5	6	6	5	5	4	4	3	3	2	1	0
-29.0	5	5	4	4	3	3	3	2	1	1	0
-33.0	3	3	3	3	2	2	2	1	1	1	0
-37.5	2	2	2	2	1	1	1	1	1	0	0
42.5	0	0	0	0	0	0	0	0	0	0	0
-47.5	0	0	0	0	0	0	0	0	0	0	0
-55.0	0	0	0	0	0	0	0	0	0	0	0
-65.0	0	0	0	0	0	0	0	0	0	0	0
-75.0	0	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0	0

Vertical Angle (Degrees)

Isocandela Diagram (Percent of Maximum Intensity)



- 8063 cd (90%) 7167 cd (80%) 6271 cd (70%) 5375 cd (60%) 4479 cd (50%)
- 3583 cd (40%) 2687 cd (30%) 1791 cd (20%) 895 cd (10%)