



UL Verification Services  
Inc.  
7036 Snowdrift Road  
Allentown, PA 18106



## 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IES LM-79-2008, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)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**  
40429 Brickyard Dr  
Madera CA, 93636

Catalog Number  
**RI-LZR-TR-Z1-SP-WHP-9-C-INC-MT (6000K)**

Order Number  
14832329  
Test Number  
14832329.03

Test Date

2023-06-05

Prepared By

Derek Smarr, Senior Technician

Approved By

Yilmaz Yucelidag, Engineering Project Handler

The results contained in this report pertain only to the tested sample.  
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**Luminaire Description:** White metal housing with clear lens enclosure.  
**Lamp:** One white LED array  
**Mounting:** Pole/Arm  
**Ballast/Driver:** PS60U1500C15R

**Luminaire**



**Luminaire Characteristics**  
Luminous Diameter: 2.50 in.

**Summary of Results**

Total Luminaire Output:	276.9 Lumens
Luminaire Efficacy:	19.1 lm/w
Maximum Candela:	5019 Candela

**Test Conditions**

Test Temperature:	26.0 °C
Voltage:	120.0 VAC
Current:	0.1235 A
Power:	14.53 W
Power Factor:	0.980
Frequency:	60 Hz
Current THD:	15.7 %

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

## Distribution - Goniophotometer

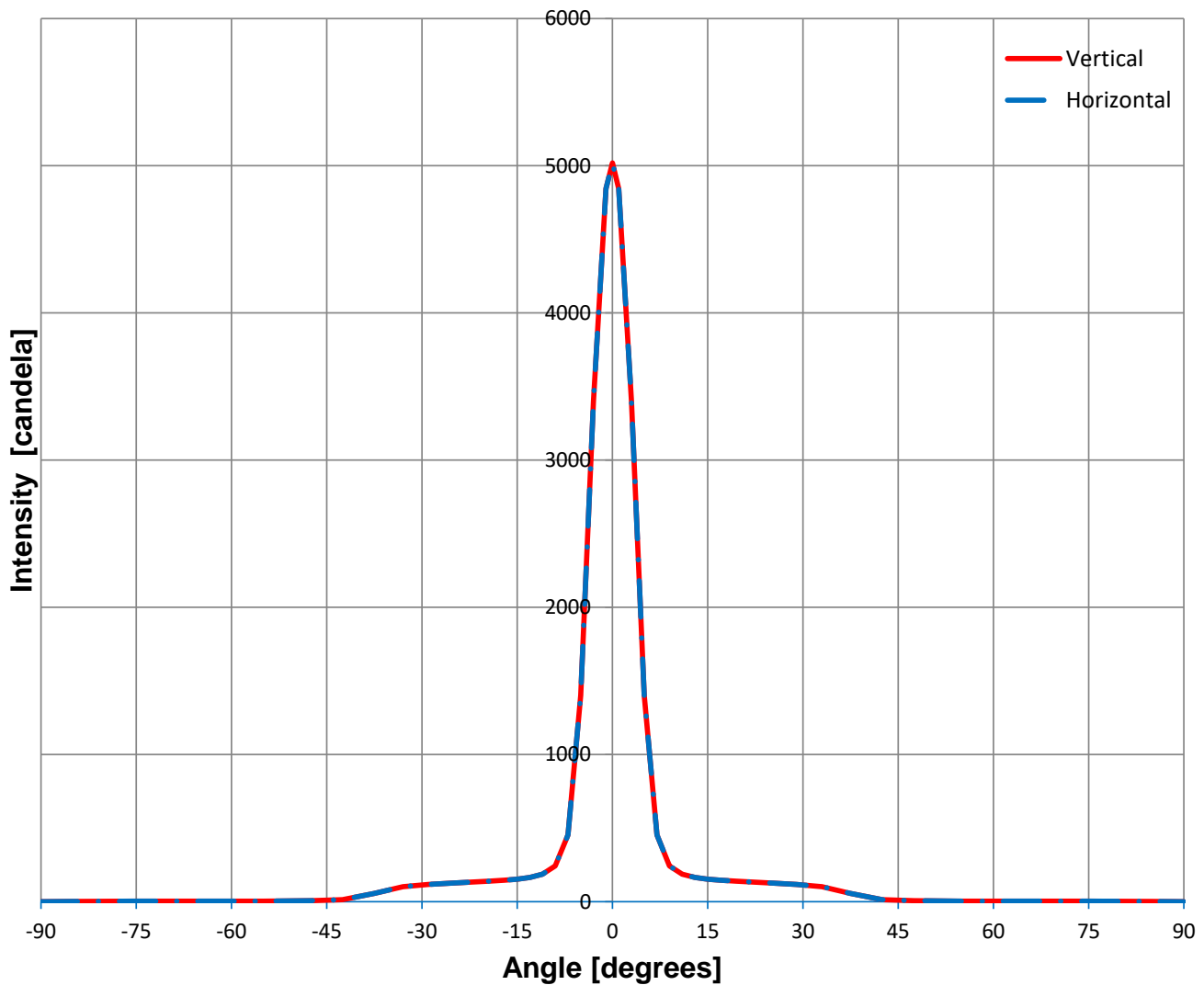
### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
26.0 °C	120.0 VAC	0.1235 A	14.53 W	0.980	60 Hz	15.7 %

### Summary of Results

<b>Total Lumen Output:</b>	276.9 Lumens	<b>Maximum Candela:</b>	5019.1 Candela
<b>Luminaire Efficacy:</b>	19.1 Lumens/Watt	<b>Maximum Angle:</b>	0 H 0 V
<b>Field Lumens:</b>	87.0 Lumens	<b>Field Angle :</b>	13.8 H X 13.8 V
<b>Beam Lumens:</b>	54.9 Lumens	<b>Beam Angle :</b>	7.8 H X 7.8 V
<b>Spill Light Lumens:</b>	189.9 Lumens	<b>IESNA Type:</b>	1 H X 1 V

### Maximum Candlepower Plot



### Candela Tabulation

Lateral Angle (Degrees)

Vertical Angle (Degrees)	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	3	3	3	3	3	3	3	3	3	3	3
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	7	7	7	7	7	6	6	6	6	6	5
42.5	13	13	13	12	12	11	10	10	9	8	8
37.5	56	56	55	52	49	45	40	34	28	23	17
33.0	102	102	101	99	97	94	89	83	75	66	53
29.0	117	117	117	116	115	114	112	109	106	100	90
25.5	126	126	126	125	124	123	121	119	116	114	109
22.5	132	132	132	131	130	129	128	126	123	120	116
19.5	139	139	139	138	136	135	133	131	129	126	122
17.0	146	146	145	144	142	140	138	135	132	130	126
15.0	153	153	152	150	148	145	142	139	135	132	129
13.0	164	164	162	158	154	150	146	142	139	135	131
11.0	187	186	181	173	164	157	151	146	142	138	133
9.0	242	240	226	202	182	167	157	150	145	140	135
7.0	453	443	364	269	212	182	164	154	148	142	136
5.0	1403	1341	884	444	269	202	173	158	150	144	138
3.0	3402	3230	2114	884	364	226	181	162	152	145	139
1.0	4844	4618	3230	1341	443	240	186	164	153	146	139
0.0	5019	4844	3402	1403	453	242	187	164	153	146	139
-1.0	4844	4618	3230	1341	443	240	186	164	153	146	139
-3.0	3402	3230	2114	884	364	226	181	162	152	145	139
-5.0	1403	1341	884	444	269	202	173	158	150	144	138
-7.0	453	443	364	269	212	182	164	154	148	142	136
-9.0	242	240	226	202	182	167	157	150	145	140	135
-11.0	187	186	181	173	164	157	151	146	142	138	133
-13.0	164	164	162	158	154	150	146	142	139	135	131
-15.0	153	153	152	150	148	145	142	139	135	132	129
-17.0	146	146	145	144	142	140	138	135	132	130	126
-19.5	139	139	139	138	136	135	133	131	129	126	122
-22.5	132	132	132	131	130	129	128	126	123	120	116
-25.5	126	126	126	125	124	123	121	119	116	114	109
-29.0	117	117	117	116	115	114	112	109	106	100	90
-33.0	102	102	101	99	97	94	89	83	75	66	53
-37.5	56	56	55	52	49	45	40	34	28	23	17
-42.5	13	13	13	12	12	11	10	10	9	8	8
-47.5	7	7	7	7	7	6	6	6	6	6	5
-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	3	3	3	3	3	3	3	3	3	3	3
-85.0	2	2	2	2	2	2	2	2	2	2	2

### Candela Tabulation

Lateral Angle (Degrees)

Vertical Angle (Degrees)	Lateral Angle (Degrees)										
	22.5	25.5	29	33	37.5	42.5	47.5	55	65	75	85
85.0	2	2	2	1	1	1	1	1	1	0	0
75.0	3	3	3	3	3	3	3	3	2	1	0
65.0	3	3	3	3	3	3	3	3	3	2	1
55.0	4	4	4	4	3	3	3	3	3	3	1
47.5	5	5	4	4	4	4	3	3	3	3	1
42.5	7	6	6	5	4	4	4	3	3	3	1
37.5	12	9	8	6	5	4	4	3	3	3	1
33.0	36	22	12	8	6	5	4	4	3	3	1
29.0	73	51	27	12	8	6	4	4	3	3	2
25.5	98	80	51	22	9	6	5	4	3	3	2
22.5	110	98	73	36	12	7	5	4	3	3	2
19.5	116	109	90	53	17	8	5	4	3	3	2
17.0	120	114	100	66	23	8	6	4	3	3	2
15.0	123	116	106	75	28	9	6	4	3	3	2
13.0	126	119	109	83	34	10	6	4	3	3	2
11.0	128	121	112	89	40	10	6	4	3	3	2
9.0	129	123	114	94	45	11	6	4	3	3	2
7.0	130	124	115	97	49	12	7	4	3	3	2
5.0	131	125	116	99	52	12	7	4	3	3	2
3.0	132	126	117	101	55	13	7	4	3	3	2
1.0	132	126	117	102	56	13	7	4	3	3	2
0.0	132	126	117	102	56	13	7	4	3	3	2
-1.0	132	126	117	102	56	13	7	4	3	3	2
-3.0	132	126	117	101	55	13	7	4	3	3	2
-5.0	131	125	116	99	52	12	7	4	3	3	2
-7.0	130	124	115	97	49	12	7	4	3	3	2
-9.0	129	123	114	94	45	11	6	4	3	3	2
-11.0	128	121	112	89	40	10	6	4	3	3	2
-13.0	126	119	109	83	34	10	6	4	3	3	2
-15.0	123	116	106	75	28	9	6	4	3	3	2
-17.0	120	114	100	66	23	8	6	4	3	3	2
-19.5	116	109	90	53	17	8	5	4	3	3	2
-22.5	110	98	73	36	12	7	5	4	3	3	2
-25.5	98	80	51	22	9	6	5	4	3	3	2
-29.0	73	51	27	12	8	6	4	4	3	3	2
-33.0	36	22	12	8	6	5	4	4	3	3	1
-37.5	12	9	8	6	5	4	4	3	3	3	1
-42.5	7	6	6	5	4	4	4	3	3	3	1
-47.5	5	5	4	4	4	4	3	3	3	3	1
-55.0	4	4	4	4	3	3	3	3	3	3	1
-65.0	3	3	3	3	3	3	3	3	3	2	1
-75.0	3	3	3	3	3	3	3	3	2	1	0
-85.0	2	2	2	1	1	1	1	1	1	0	0

### Isocandela Diagram (Percent of Maximum Intensity)

