



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



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IES LM-79-2008, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)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-VNSP-WHP-9-C-INC-MT (6000K)

Order Number

14832329

Test Number

14832329.01

Test Date

2023-06-02

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:	288.0 Lumens
Luminaire Efficacy:	19.8 lm/w
Maximum Candela:	14386 Candela

Test Conditions

Test Temperature:	24.9 °C
Voltage:	120.0 VAC
Current:	0.1238 A
Power:	14.57 W
Power Factor:	0.980
Frequency:	60 Hz
Current THD:	15.8 %

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

Distribution - Goniophotometer

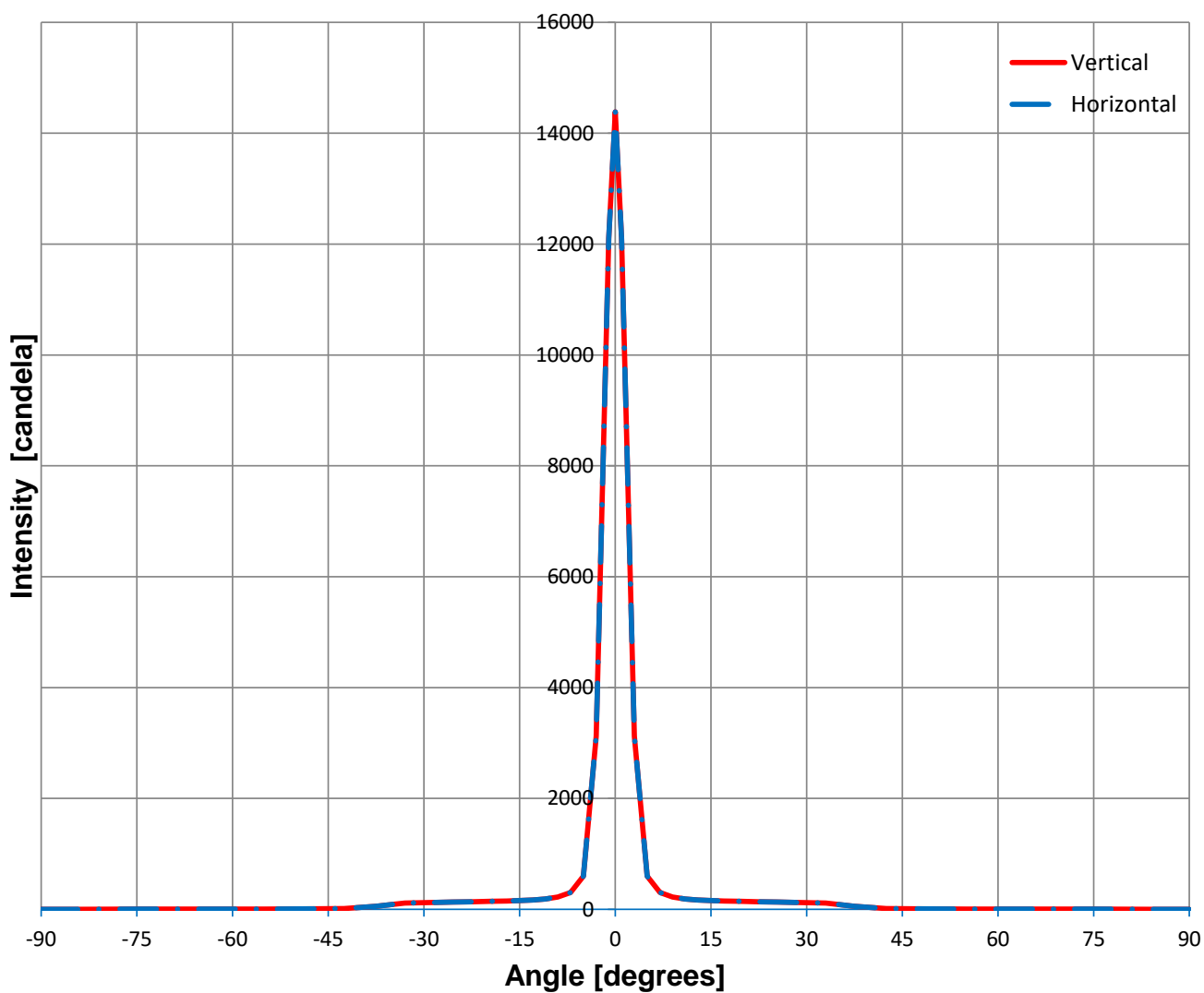
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.0 VAC	0.1238 A	14.57 W	0.980	60 Hz	15.8 %

Summary of Results

Total Lumen Output:	288.0 Lumens	Maximum Candela:	14385.6 Candela
Luminaire Efficacy:	19.8 Lumens/Watt	Maximum Angle:	0 H 0 V
Field Lumens:	82.2 Lumens	Field Angle :	8.7 H X 8.7 V
Beam Lumens:	54.1 Lumens	Beam Angle :	4.2 H X 4.2 V
Spill Light Lumens:	205.8 Lumens	IESNA Type:	#N/A H X #N/A 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	4	4	4	4	4	4	4	4	4	4	4
55.0	4	4	4	4	4	4	4	4	4	4	4
47.5	7	7	7	7	7	7	6	6	6	5	5
42.5	12	12	11	11	11	11	11	10	10	9	9
37.5	55	55	53	49	43	37	29	23	17	15	13
33.0	112	111	111	110	109	108	104	98	88	73	49
29.0	120	120	120	119	119	118	116	115	113	111	105
25.5	129	129	129	128	127	125	123	122	120	117	114
22.5	135	135	134	134	133	132	130	128	125	123	119
19.5	143	143	143	142	140	138	135	133	131	129	124
17.0	150	150	149	148	146	144	141	138	135	132	129
15.0	157	156	155	153	151	149	146	143	139	135	131
13.0	167	167	165	162	158	154	150	147	143	138	133
11.0	184	184	180	173	167	161	155	150	146	141	135
9.0	221	220	211	196	180	169	161	154	149	144	138
7.0	305	301	273	234	203	180	167	158	151	146	140
5.0	599	579	430	301	234	196	173	162	153	148	142
3.0	3119	2811	1072	430	273	211	180	165	155	149	143
1.0	12108	10054	2811	579	301	220	184	167	156	150	143
0.0	14386	12108	3119	599	305	221	184	167	157	150	143
-1.0	12108	10054	2811	579	301	220	184	167	156	150	143
-3.0	3119	2811	1072	430	273	211	180	165	155	149	143
-5.0	599	579	430	301	234	196	173	162	153	148	142
-7.0	305	301	273	234	203	180	167	158	151	146	140
-9.0	221	220	211	196	180	169	161	154	149	144	138
-11.0	184	184	180	173	167	161	155	150	146	141	135
-13.0	167	167	165	162	158	154	150	147	143	138	133
-15.0	157	156	155	153	151	149	146	143	139	135	131
-17.0	150	150	149	148	146	144	141	138	135	132	129
-19.5	143	143	143	142	140	138	135	133	131	129	124
-22.5	135	135	134	134	133	132	130	128	125	123	119
-25.5	129	129	129	128	127	125	123	122	120	117	114
-29.0	120	120	120	119	119	118	116	115	113	111	105
-33.0	112	111	111	110	109	108	104	98	88	73	49
-37.5	55	55	53	49	43	37	29	23	17	15	13
-42.5	12	12	11	11	11	11	11	10	10	9	9
-47.5	7	7	7	7	7	7	6	6	6	5	5
-55.0	4	4	4	4	4	4	4	4	4	4	4
-65.0	4	4	4	4	4	4	4	4	4	4	4
-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	2	1	1	1	1	1	0	0
75.0	3	3	3	3	3	3	3	3	2	1	0
65.0	4	4	4	3	3	3	3	3	3	2	1
55.0	4	4	4	4	4	4	4	3	3	3	1
47.5	5	5	4	4	4	4	4	4	3	3	1
42.5	8	6	5	5	4	4	4	4	3	3	1
37.5	11	10	8	6	5	4	4	4	3	3	1
33.0	25	14	11	9	6	5	4	4	3	3	2
29.0	85	47	17	11	8	5	4	4	4	3	2
25.5	110	95	47	14	10	6	5	4	4	3	2
22.5	115	110	85	25	11	8	5	4	4	3	2
19.5	119	114	105	49	13	9	5	4	4	3	2
17.0	123	117	111	73	15	9	5	4	4	3	2
15.0	125	120	113	88	17	10	6	4	4	3	2
13.0	128	122	115	98	23	10	6	4	4	3	2
11.0	130	123	116	104	29	11	6	4	4	3	2
9.0	132	125	118	108	37	11	7	4	4	3	2
7.0	133	127	119	109	43	11	7	4	4	3	2
5.0	134	128	119	110	49	11	7	4	4	3	2
3.0	134	129	120	111	53	11	7	4	4	3	2
1.0	135	129	120	111	55	12	7	4	4	3	2
0.0	135	129	120	112	55	12	7	4	4	3	2
-1.0	135	129	120	111	55	12	7	4	4	3	2
-3.0	134	129	120	111	53	11	7	4	4	3	2
-5.0	134	128	119	110	49	11	7	4	4	3	2
-7.0	133	127	119	109	43	11	7	4	4	3	2
-9.0	132	125	118	108	37	11	7	4	4	3	2
-11.0	130	123	116	104	29	11	6	4	4	3	2
-13.0	128	122	115	98	23	10	6	4	4	3	2
-15.0	125	120	113	88	17	10	6	4	4	3	2
-17.0	123	117	111	73	15	9	5	4	4	3	2
-19.5	119	114	105	49	13	9	5	4	4	3	2
-22.5	115	110	85	25	11	8	5	4	4	3	2
-25.5	110	95	47	14	10	6	5	4	4	3	2
-29.0	85	47	17	11	8	5	4	4	4	3	2
-33.0	25	14	11	9	6	5	4	4	3	3	2
-37.5	11	10	8	6	5	4	4	4	3	3	1
-42.5	8	6	5	5	4	4	4	4	3	3	1
-47.5	5	5	4	4	4	4	4	4	3	3	1
-55.0	4	4	4	4	4	4	4	3	3	3	1
-65.0	4	4	4	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	2	1	1	1	1	1	0	0

Isocandela Diagram (Percent of Maximum Intensity)

