



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IES LM-79-2008, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)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

Order Number
14832329
Test Number
14832329.02

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:	278.2 Lumens
Luminaire Efficacy:	19.2 lm/w
Maximum Candela:	10527 Candela

Test Conditions

Test Temperature:	26.0 °C
Voltage:	120.0 VAC
Current:	0.1233 A
Power:	14.51 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

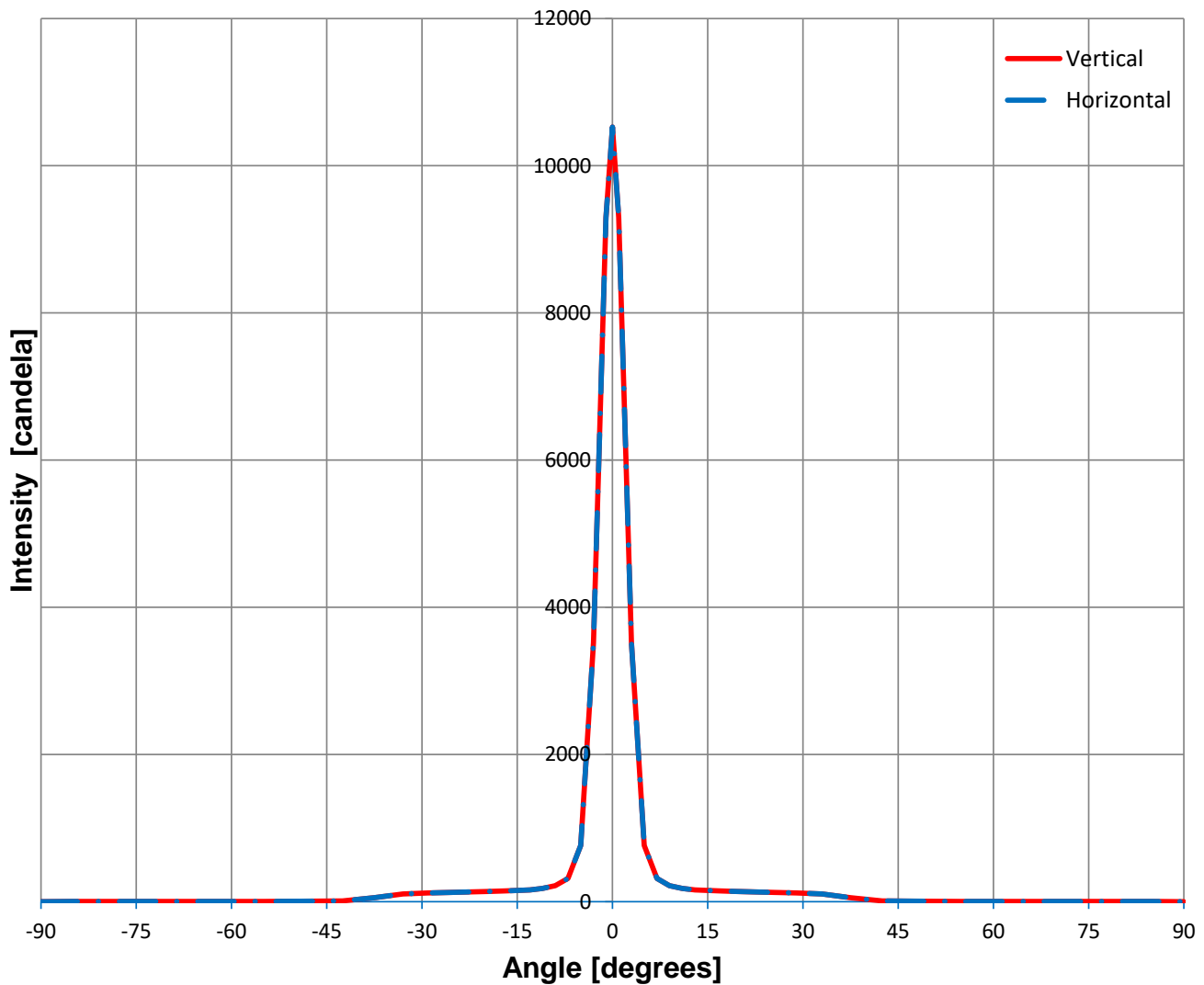
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
26.0 °C	120.0 VAC	0.1233 A	14.51 W	0.980	60 Hz	15.7 %

Summary of Results

Total Lumen Output:	278.2 Lumens	Maximum Candela:	10526.7 Candela
Luminaire Efficacy:	19.2 Lumens/Watt	Maximum Angle:	0 H 0 V
Field Lumens:	81.4 Lumens	Field Angle :	9.6 H X 9.6 V
Beam Lumens:	42.4 Lumens	Beam Angle :	4.8 H X 4.8 V
Spill Light Lumens:	196.9 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	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	6	6	6	6	6	5	5
42.5	11	11	11	11	11	10	10	9	9	9	8
37.5	54	54	52	49	44	39	32	26	20	16	13
33.0	107	107	106	105	104	102	98	92	82	69	49
29.0	117	117	117	116	116	115	113	111	109	106	99
25.5	125	125	125	124	123	122	120	119	117	114	111
22.5	131	131	131	130	129	128	126	124	122	120	116
19.5	138	138	138	137	135	133	131	129	127	125	121
17.0	144	144	144	142	141	139	137	134	131	128	125
15.0	151	151	150	148	146	143	141	138	134	131	127
13.0	161	161	159	156	152	148	144	141	138	134	129
11.0	179	179	175	168	161	155	149	144	141	137	131
9.0	217	216	206	190	175	163	155	148	143	139	133
7.0	316	311	278	232	197	175	161	152	146	141	135
5.0	764	732	496	311	232	190	168	156	148	142	137
3.0	3514	3210	1427	496	278	206	175	159	150	144	138
1.0	9299	8098	3210	732	311	216	179	161	151	144	138
0.0	10527	9299	3514	764	316	217	179	161	151	144	138
-1.0	9299	8098	3210	732	311	216	179	161	151	144	138
-3.0	3514	3210	1427	496	278	206	175	159	150	144	138
-5.0	764	732	496	311	232	190	168	156	148	142	137
-7.0	316	311	278	232	197	175	161	152	146	141	135
-9.0	217	216	206	190	175	163	155	148	143	139	133
-11.0	179	179	175	168	161	155	149	144	141	137	131
-13.0	161	161	159	156	152	148	144	141	138	134	129
-15.0	151	151	150	148	146	143	141	138	134	131	127
-17.0	144	144	144	142	141	139	137	134	131	128	125
-19.5	138	138	138	137	135	133	131	129	127	125	121
-22.5	131	131	131	130	129	128	126	124	122	120	116
-25.5	125	125	125	124	123	122	120	119	117	114	111
-29.0	117	117	117	116	116	115	113	111	109	106	99
-33.0	107	107	106	105	104	102	98	92	82	69	49
-37.5	54	54	52	49	44	39	32	26	20	16	13
-42.5	11	11	11	11	11	10	10	9	9	9	8
-47.5	7	7	7	7	6	6	6	6	6	5	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)

	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	4	4	4	4	4	3	3	3	3	1
42.5	7	6	5	4	4	4	4	3	3	3	1
37.5	11	9	8	6	5	4	4	3	3	3	1
33.0	28	15	11	8	6	4	4	4	3	3	1
29.0	79	47	19	11	8	5	4	4	3	3	2
25.5	105	88	47	15	9	6	4	4	3	3	2
22.5	112	105	79	28	11	7	5	4	3	3	2
19.5	116	111	99	49	13	8	5	4	3	3	2
17.0	120	114	106	69	16	9	5	4	3	3	2
15.0	122	117	109	82	20	9	6	4	3	3	2
13.0	124	119	111	92	26	9	6	4	3	3	2
11.0	126	120	113	98	32	10	6	4	3	3	2
9.0	128	122	115	102	39	10	6	4	3	3	2
7.0	129	123	116	104	44	11	6	4	3	3	2
5.0	130	124	116	105	49	11	7	4	3	3	2
3.0	131	125	117	106	52	11	7	4	3	3	2
1.0	131	125	117	107	54	11	7	4	3	3	2
0.0	131	125	117	107	54	11	7	4	3	3	2
-1.0	131	125	117	107	54	11	7	4	3	3	2
-3.0	131	125	117	106	52	11	7	4	3	3	2
-5.0	130	124	116	105	49	11	7	4	3	3	2
-7.0	129	123	116	104	44	11	6	4	3	3	2
-9.0	128	122	115	102	39	10	6	4	3	3	2
-11.0	126	120	113	98	32	10	6	4	3	3	2
-13.0	124	119	111	92	26	9	6	4	3	3	2
-15.0	122	117	109	82	20	9	6	4	3	3	2
-17.0	120	114	106	69	16	9	5	4	3	3	2
-19.5	116	111	99	49	13	8	5	4	3	3	2
-22.5	112	105	79	28	11	7	5	4	3	3	2
-25.5	105	88	47	15	9	6	4	4	3	3	2
-29.0	79	47	19	11	8	5	4	4	3	3	2
-33.0	28	15	11	8	6	4	4	4	3	3	1
-37.5	11	9	8	6	5	4	4	3	3	3	1
-42.5	7	6	5	4	4	4	4	3	3	3	1
-47.5	5	4	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

Vertical Angle (Degrees)

Isocandela Diagram (Percent of Maximum Intensity)

