



UL LLC
1075 W Lambert Rd Suite B
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Floodlight Distribution Test Report

Relevant Standards
IES LM-79-2008, IES LM-35-2002 (Withdrawn)
ANSI C82.77-2002

Prepared For
B-K LIGHTING INC

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Madera, CA 93636-9515
United States

Catalog Number
DE-LED-x60-WFL-9 SN-DE-LED-x60-WFL-9 ST-DE-LED-x60-WFL-9 SM-DE-LED-x60-WFL-9
WFL-9 UL-DE-LED-x60-WFL-9
Order Number
11353040
Test Number
11353040.21

Test Date

2016-09-09

Prepared By

Khang Nguyen, Technician

Approved By

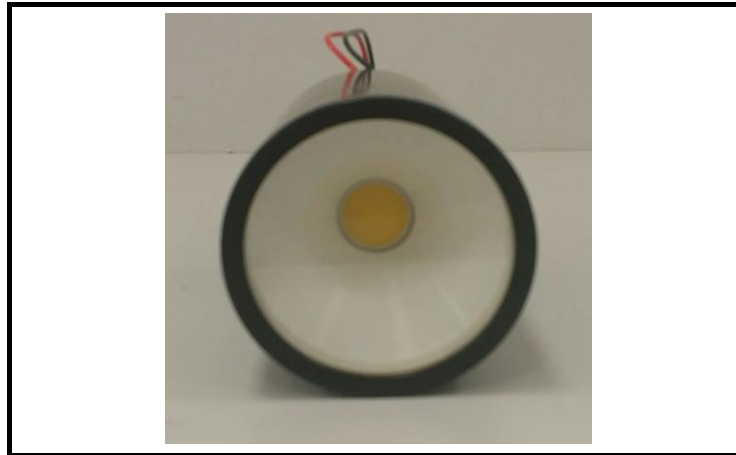
Eric Gaudreau, Senior Engineering Associate

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Circular black aluminum housing, white stepped reflector and glass lens
Lamp: One (1) White LED
Mounting: VBU
Ballast/Driver: PowerSelect PS60U700C14T

Luminaire



Luminaire Characteristics
Luminous Diameter: 2.75 in.

Summary of Results

Total Luminaire Output:	735.5 Lumens
Luminaire Efficacy:	57.4 lm/w
Maximum Candela:	740 Candela

Test Conditions

Test Temperature:	25.1 °C
Voltage:	120.1 VAC
Current:	0.1095 A
Power:	12.81 W
Power Factor:	0.974
Frequency:	60 Hz
Current THD:	14.0 %

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



Distribution - Goniophotometer

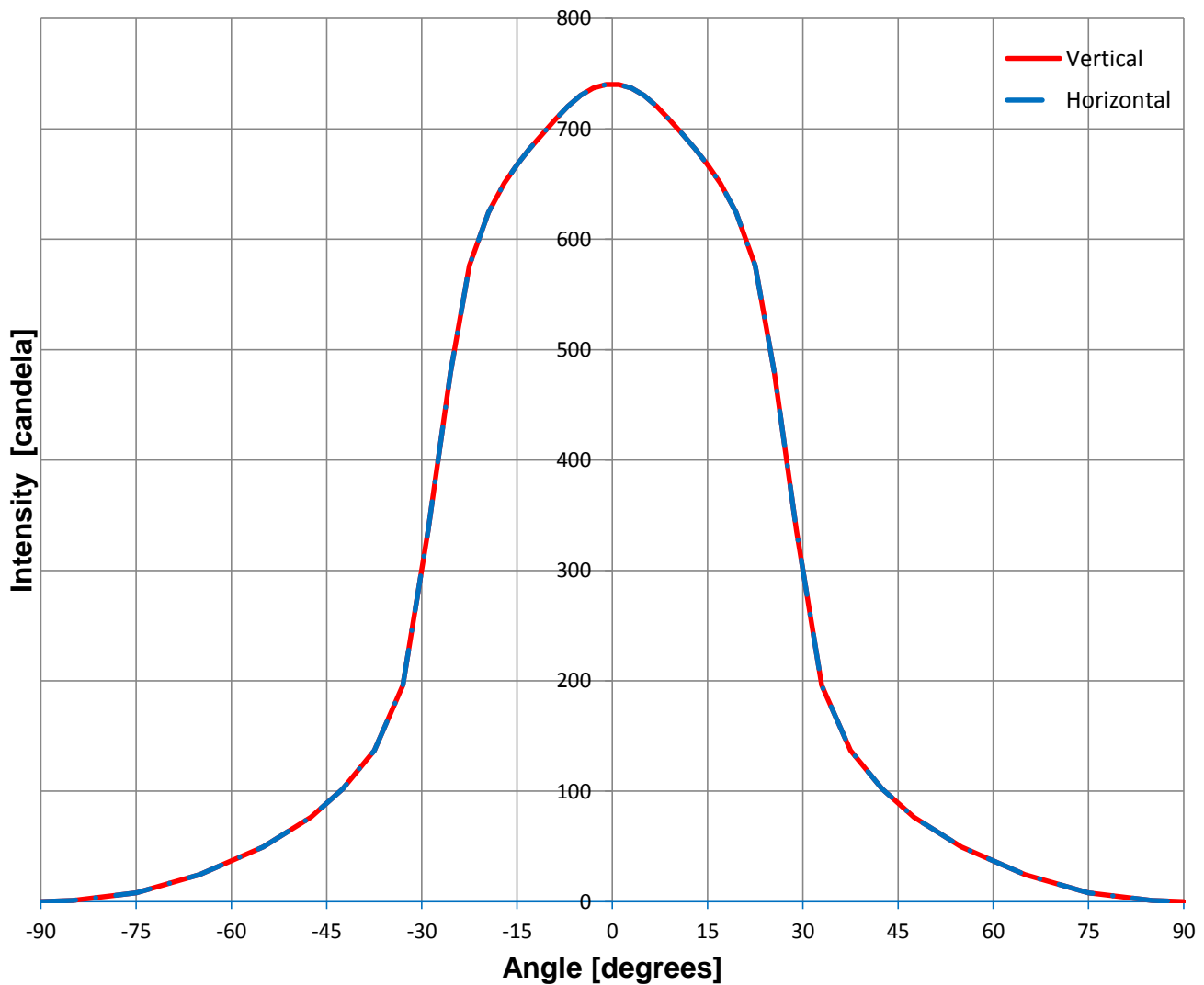
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.1 VAC	0.1095 A	12.81 W	0.974	60 Hz	14.0 %

Summary of Results

Total Lumen Output:	735.5 Lumens	Maximum Candela:	740.3 Candela
Luminaire Efficacy:	57.4 Lumens/Watt	Maximum Angle:	-1 H -1 V
Field Lumens:	643.5 Lumens	Field Angle :	96.3 H X 96.3 V
Beam Lumens:	443.1 Lumens	Beam Angle :	56.3 H X 56.3 V
Spill Light Lumens:	92.0 Lumens	IESNA Type:	5 H X 5 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	1	1	1	1	1	1	1	1	1	1	1
75.0	8	8	8	8	8	8	8	8	7	7	7
65.0	24	24	24	24	24	24	24	23	23	22	21
55.0	50	50	49	49	49	48	47	47	46	45	43
47.5	76	76	76	76	75	74	72	71	69	67	65
42.5	102	102	101	100	99	98	95	93	90	87	83
37.5	137	137	136	135	133	130	126	122	118	113	107
33.0	196	196	193	189	181	172	164	156	149	143	135
29.0	337	336	331	321	306	287	265	240	215	191	166
25.5	479	479	473	462	444	422	393	360	323	284	235
22.5	576	576	572	564	549	529	502	467	426	381	319
19.5	624	624	622	617	609	598	581	555	519	474	407
17.0	651	651	648	644	638	628	616	600	575	538	474
15.0	667	667	665	661	655	647	636	621	603	575	519
13.0	682	682	680	676	669	661	651	638	621	600	555
11.0	695	695	693	688	682	674	663	651	636	616	581
9.0	708	708	705	700	693	684	674	661	647	628	598
7.0	720	720	717	711	703	693	682	669	655	638	609
5.0	730	730	726	720	711	700	688	676	661	644	617
3.0	737	737	733	726	717	705	693	680	665	648	622
1.0	740	740	737	730	720	708	695	682	667	651	624
0.0	740	740	737	730	720	708	695	682	667	651	624
-1.0	740	740	737	730	720	708	695	682	667	651	624
-3.0	737	737	733	726	717	705	693	680	665	648	622
-5.0	730	730	726	720	711	700	688	676	661	644	617
-7.0	720	720	717	711	703	693	682	669	655	638	609
-9.0	708	708	705	700	693	684	674	661	647	628	598
-11.0	695	695	693	688	682	674	663	651	636	616	581
-13.0	682	682	680	676	669	661	651	638	621	600	555
-15.0	667	667	665	661	655	647	636	621	603	575	519
-17.0	651	651	648	644	638	628	616	600	575	538	474
-19.5	624	624	622	617	609	598	581	555	519	474	407
-22.5	576	576	572	564	549	529	502	467	426	381	319
-25.5	479	479	473	462	444	422	393	360	323	284	235
-29.0	337	336	331	321	306	287	265	240	215	191	166
-33.0	196	196	193	189	181	172	164	156	149	143	135
-37.5	137	137	136	135	133	130	126	122	118	113	107
-42.5	102	102	101	100	99	98	95	93	90	87	83
-47.5	76	76	76	76	75	74	72	71	69	67	65
-55.0	50	50	49	49	49	48	47	47	46	45	43
-65.0	24	24	24	24	24	24	24	23	23	22	21
-75.0	8	8	8	8	8	8	8	8	7	7	7
-85.0	1	1	1	1	1	1	1	1	1	1	1



Candela Tabulation

Lateral Angle (Degrees)

Vertical Angle (Degrees)

	22.5	25.5	29	33	37.5	42.5	47.5	55	65	75	85
85.0	1	1	1	1	1	1	1	0	0	0	0
75.0	7	6	6	5	5	4	3	2	1	1	0
65.0	21	19	18	17	15	12	10	7	4	1	0
55.0	41	39	36	33	29	25	20	14	7	2	0
47.5	61	58	53	48	42	36	29	20	10	3	1
42.5	78	73	67	60	52	44	36	25	12	4	1
37.5	100	92	83	73	63	52	42	29	15	5	1
33.0	124	112	100	87	73	60	48	33	17	5	1
29.0	148	134	117	100	83	67	53	36	18	6	1
25.5	185	154	134	112	92	73	58	39	19	6	1
22.5	246	185	148	124	100	78	61	41	21	7	1
19.5	319	235	166	135	107	83	65	43	21	7	1
17.0	381	284	191	143	113	87	67	45	22	7	1
15.0	426	323	215	149	118	90	69	46	23	7	1
13.0	467	360	240	156	122	93	71	47	23	8	1
11.0	502	393	265	164	126	95	72	47	24	8	1
9.0	529	422	287	172	130	98	74	48	24	8	1
7.0	549	444	306	181	133	99	75	49	24	8	1
5.0	564	462	321	189	135	100	76	49	24	8	1
3.0	572	473	331	193	136	101	76	49	24	8	1
1.0	576	479	336	196	137	102	76	50	24	8	1
0.0	576	479	337	196	137	102	76	50	24	8	1
-1.0	576	479	336	196	137	102	76	50	24	8	1
-3.0	572	473	331	193	136	101	76	49	24	8	1
-5.0	564	462	321	189	135	100	76	49	24	8	1
-7.0	549	444	306	181	133	99	75	49	24	8	1
-9.0	529	422	287	172	130	98	74	48	24	8	1
-11.0	502	393	265	164	126	95	72	47	24	8	1
-13.0	467	360	240	156	122	93	71	47	23	8	1
-15.0	426	323	215	149	118	90	69	46	23	7	1
-17.0	381	284	191	143	113	87	67	45	22	7	1
-19.5	319	235	166	135	107	83	65	43	21	7	1
-22.5	246	185	148	124	100	78	61	41	21	7	1
-25.5	185	154	134	112	92	73	58	39	19	6	1
-29.0	148	134	117	100	83	67	53	36	18	6	1
-33.0	124	112	100	87	73	60	48	33	17	5	1
-37.5	100	92	83	73	63	52	42	29	15	5	1
-42.5	78	73	67	60	52	44	36	25	12	4	1
-47.5	61	58	53	48	42	36	29	20	10	3	1
-55.0	41	39	36	33	29	25	20	14	7	2	0
-65.0	21	19	18	17	15	12	10	7	4	1	0
-75.0	7	6	6	5	5	4	3	2	1	1	0
-85.0	1	1	1	1	1	1	1	0	0	0	0



Isocandela Diagram (Percent of Maximum Intensity)

