



UL LLC
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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IES LM-79-2008, IES LM-35-2002 (Withdrawn)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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United States

Catalog Number
DE-LED-x63-FL-9 SN-DE-LED-x63-FL-9 ST-DE-LED-x63-FL-9 SM-DE-LED-x63-FL-9
UL-DE-LED-x63-FL-9
Order Number
11353040
Test Number
11353040.35

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, specular linear reflector, and glass lens
Lamp: One (1) White LED
Mounting: VBU
Ballast/Driver: PowerSelect PS60U700C21T

Luminaire



Luminaire Characteristics

Luminous Diameter: 2.75 in.

Summary of Results

Total Luminaire Output:	1235 Lumens
Luminaire Efficacy:	57.1 lm/w
Maximum Candela:	2880 Candela

Test Conditions

Test Temperature:	25.5 °C
Voltage:	120.1 VAC
Current:	0.1824 A
Power:	21.60 W
Power Factor:	0.987
Frequency:	60 Hz
Current THD:	11.1 %

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



Distribution - Goniophotometer

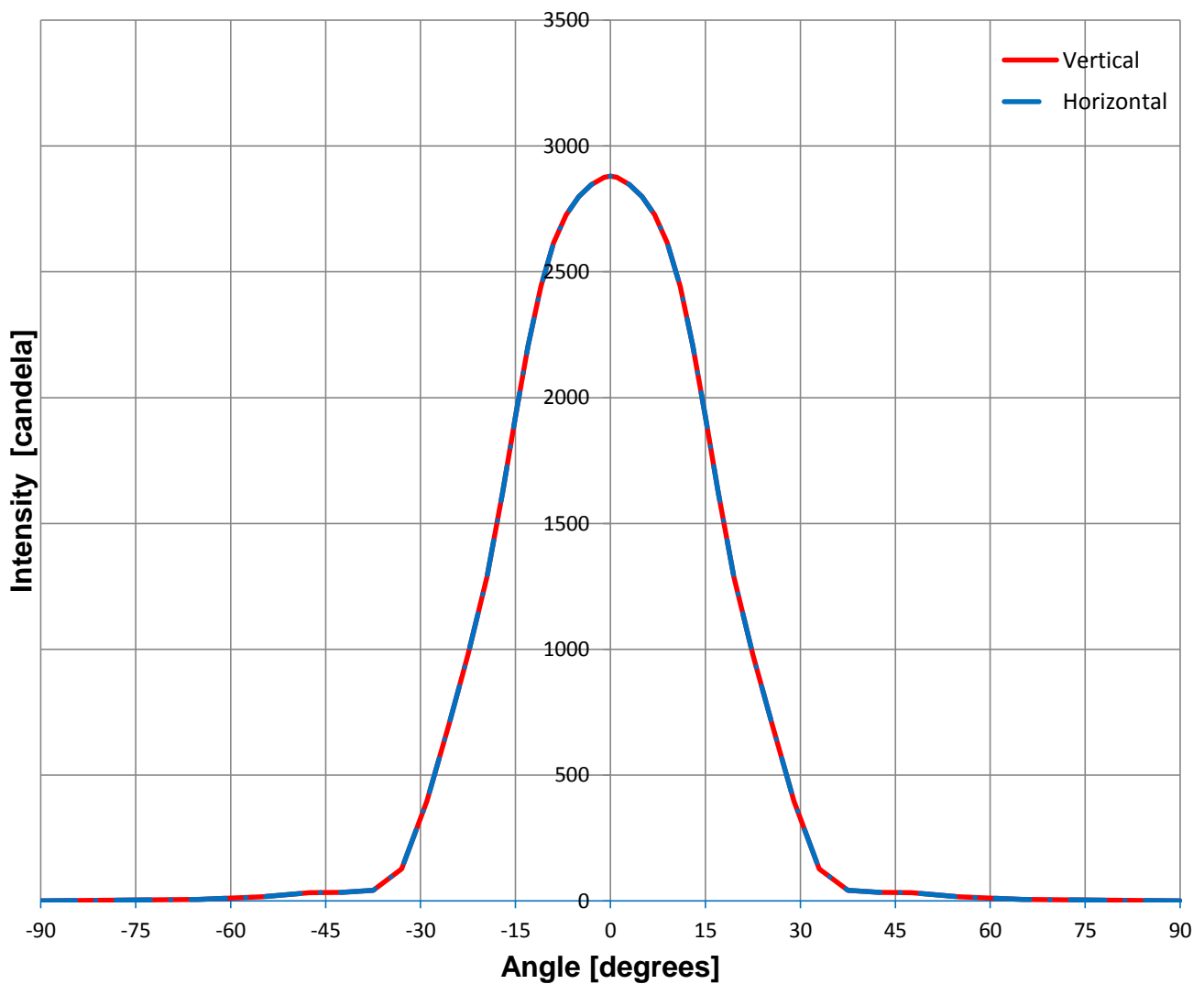
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.5 °C	120.1 VAC	0.1824 A	21.60 W	0.987	60 Hz	11.1 %

Summary of Results

Total Lumen Output:	1234.6 Lumens	Maximum Candela:	2880.5 Candela
Luminaire Efficacy:	57.1 Lumens/Watt	Maximum Angle:	0 H 0 V
Field Lumens:	1133.8 Lumens	Field Angle :	61.2 H X 61.2 V
Beam Lumens:	696.6 Lumens	Beam Angle :	36.8 H X 36.8 V
Spill Light Lumens:	100.8 Lumens	IESNA Type:	4 H X 4 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	3	3	3	3	3	3	3	3	3	3	3
65.0	6	6	6	6	6	6	6	6	6	6	6
55.0	16	16	16	15	15	15	14	14	13	12	12
47.5	32	32	32	32	32	32	31	31	30	29	28
42.5	34	34	34	34	34	34	34	34	34	33	33
37.5	42	42	41	41	40	39	38	37	36	35	34
33.0	127	127	123	114	102	87	74	61	51	46	41
29.0	396	395	385	365	335	298	255	208	161	118	77
25.5	704	702	689	663	624	574	513	445	370	292	199
22.5	978	976	961	930	886	828	757	675	584	487	361
19.5	1288	1285	1261	1216	1155	1081	998	905	802	690	542
17.0	1627	1623	1591	1527	1437	1328	1210	1093	976	853	690
15.0	1924	1919	1881	1806	1699	1564	1413	1257	1111	976	802
13.0	2206	2201	2160	2081	1962	1810	1632	1443	1257	1093	905
11.0	2442	2437	2398	2323	2204	2043	1849	1632	1413	1210	998
9.0	2614	2610	2577	2509	2400	2243	2043	1810	1564	1328	1081
7.0	2727	2724	2697	2640	2545	2400	2204	1962	1699	1437	1155
5.0	2798	2795	2772	2724	2640	2509	2323	2081	1806	1527	1216
3.0	2847	2843	2819	2772	2697	2577	2398	2160	1881	1591	1261
1.0	2876	2871	2843	2795	2724	2610	2437	2201	1919	1623	1285
0.0	2880	2876	2847	2798	2727	2614	2442	2206	1924	1627	1288
-1.0	2876	2871	2843	2795	2724	2610	2437	2201	1919	1623	1285
-3.0	2847	2843	2819	2772	2697	2577	2398	2160	1881	1591	1261
-5.0	2798	2795	2772	2724	2640	2509	2323	2081	1806	1527	1216
-7.0	2727	2724	2697	2640	2545	2400	2204	1962	1699	1437	1155
-9.0	2614	2610	2577	2509	2400	2243	2043	1810	1564	1328	1081
-11.0	2442	2437	2398	2323	2204	2043	1849	1632	1413	1210	998
-13.0	2206	2201	2160	2081	1962	1810	1632	1443	1257	1093	905
-15.0	1924	1919	1881	1806	1699	1564	1413	1257	1111	976	802
-17.0	1627	1623	1591	1527	1437	1328	1210	1093	976	853	690
-19.5	1288	1285	1261	1216	1155	1081	998	905	802	690	542
-22.5	978	976	961	930	886	828	757	675	584	487	361
-25.5	704	702	689	663	624	574	513	445	370	292	199
-29.0	396	395	385	365	335	298	255	208	161	118	77
-33.0	127	127	123	114	102	87	74	61	51	46	41
-37.5	42	42	41	41	40	39	38	37	36	35	34
-42.5	34	34	34	34	34	34	34	34	34	33	33
-47.5	32	32	32	32	32	32	31	31	30	29	28
-55.0	16	16	16	15	15	15	14	14	13	12	12
-65.0	6	6	6	6	6	6	6	6	6	6	6
-75.0	3	3	3	3	3	3	3	3	3	3	3
-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	3	3	3	3	3	2	2	2	1	1	0
65.0	5	5	5	5	5	4	4	3	2	1	0
55.0	11	10	9	8	7	6	5	4	3	2	0
47.5	26	23	19	15	11	9	7	5	4	2	1
42.5	33	31	29	25	18	12	9	6	4	2	1
37.5	34	34	33	31	27	18	11	7	5	3	1
33.0	37	35	34	33	31	25	15	8	5	3	1
29.0	49	41	36	34	33	29	19	9	5	3	1
25.5	108	57	41	35	34	31	23	10	5	3	1
22.5	218	108	49	37	34	33	26	11	5	3	1
19.5	361	199	77	41	34	33	28	12	6	3	1
17.0	487	292	118	46	35	33	29	12	6	3	1
15.0	584	370	161	51	36	34	30	13	6	3	1
13.0	675	445	208	61	37	34	31	14	6	3	1
11.0	757	513	255	74	38	34	31	14	6	3	1
9.0	828	574	298	87	39	34	32	15	6	3	1
7.0	886	624	335	102	40	34	32	15	6	3	1
5.0	930	663	365	114	41	34	32	15	6	3	1
3.0	961	689	385	123	41	34	32	16	6	3	1
1.0	976	702	395	127	42	34	32	16	6	3	1
0.0	978	704	396	127	42	34	32	16	6	3	1
-1.0	976	702	395	127	42	34	32	16	6	3	1
-3.0	961	689	385	123	41	34	32	16	6	3	1
-5.0	930	663	365	114	41	34	32	15	6	3	1
-7.0	886	624	335	102	40	34	32	15	6	3	1
-9.0	828	574	298	87	39	34	32	15	6	3	1
-11.0	757	513	255	74	38	34	31	14	6	3	1
-13.0	675	445	208	61	37	34	31	14	6	3	1
-15.0	584	370	161	51	36	34	30	13	6	3	1
-17.0	487	292	118	46	35	33	29	12	6	3	1
-19.5	361	199	77	41	34	33	28	12	6	3	1
-22.5	218	108	49	37	34	33	26	11	5	3	1
-25.5	108	57	41	35	34	31	23	10	5	3	1
-29.0	49	41	36	34	33	29	19	9	5	3	1
-33.0	37	35	34	33	31	25	15	8	5	3	1
-37.5	34	34	33	31	27	18	11	7	5	3	1
-42.5	33	31	29	25	18	12	9	6	4	2	1
-47.5	26	23	19	15	11	9	7	5	4	2	1
-55.0	11	10	9	8	7	6	5	4	3	2	0
-65.0	5	5	5	5	5	4	4	3	2	1	0
-75.0	3	3	3	3	3	2	2	2	1	1	0
-85.0	1	1	1	1	1	1	1	0	0	0	0



Isocandela Diagram (Percent of Maximum Intensity)

