



UL LLC  
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## Floodlight Distribution Test Report

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IES LM-79-2008, ANSI C82.77-2002, IES LM-35-2002 (Withdrawn)

**Prepared For**  
**B-K Lighting Inc**  
Daniel Carrejo  
40429 Brickyard Dr  
Madera, CA 93636-9515  
United States

**Catalog Number**  
**K2-LED-C26-MFL-12-4000K**  
Order Number  
12496739  
Test Number  
12496739.06B  
Revised:  
2018-11-27  
Test Date  
2018-11-08

Prepared By

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Approved By

Eric Gaudreau, Engineering Leader

The results contained in this report pertain only to the tested sample.  
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**Luminaire Description:** White cylindrical metal housing with specular prismatic reflector and glass prismatic lens  
**Lamp:** One (1) Lumenetix CTM1C19 16-80K 2000L 35W 24V Module with diffuse lens and specular reflector  
**Mounting:** Pendant  
**Ballast/Driver:** One (1) EFORE RSLP070-24

#### Luminaire



#### Luminaire Characteristics

Luminous Diameter: 4.50 in.

#### Summary of Results

Total Luminaire Output:	1580 Lumens
Luminaire Efficacy:	38.3 lm/w
Maximum Candela:	3609 Candela

#### Test Conditions

Test Temperature:	25.0 °C
Voltage:	120.0 VAC
Current:	0.3508 A
Power:	41.22 W
Power Factor:	0.979
Frequency:	60 Hz
Current THD:	15.0 %

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



## Distribution - Goniophotometer

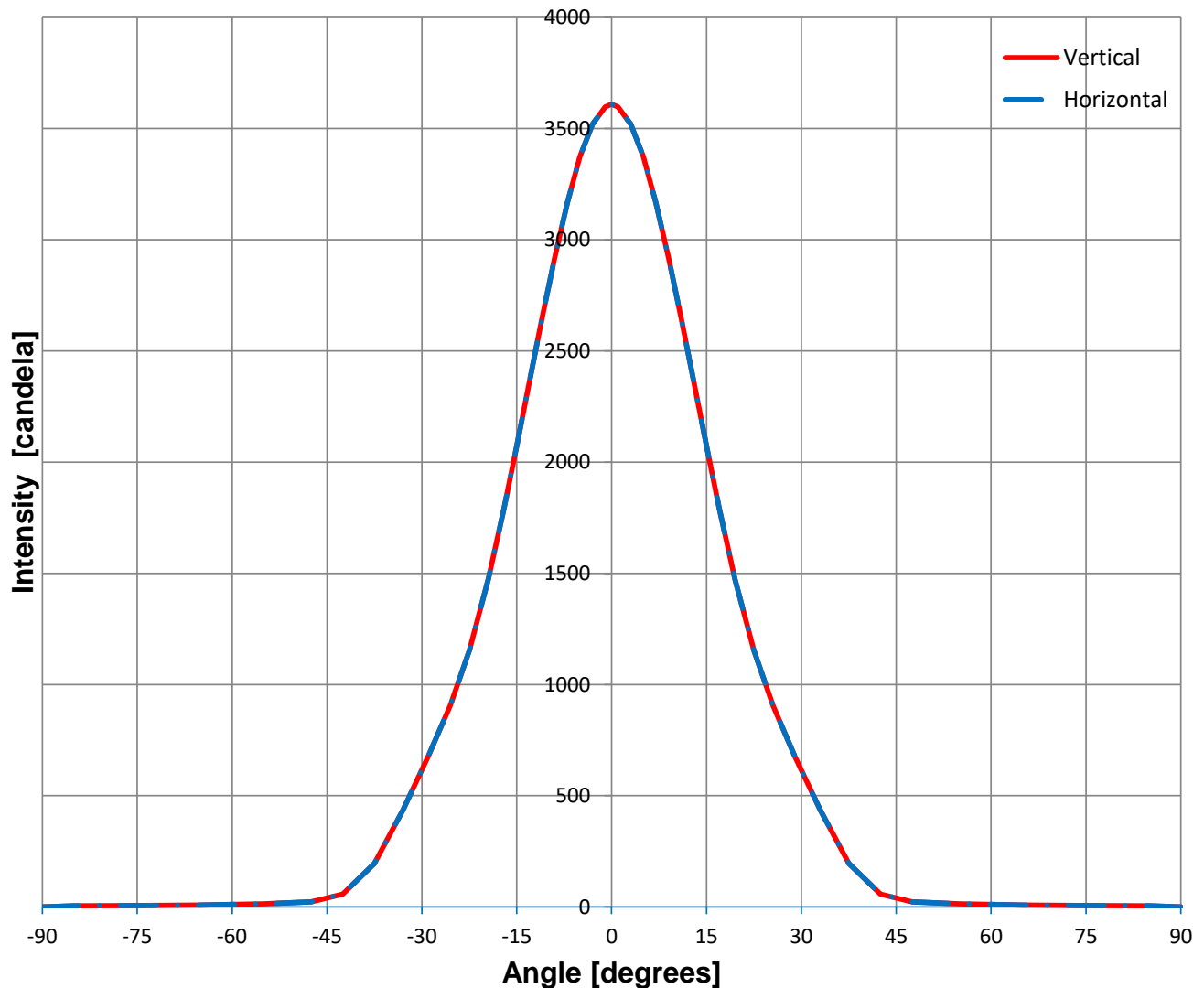
### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.0 VAC	0.3508 A	41.22 W	0.979	60 Hz	15.0 %

### Summary of Results

Total Lumen Output:	1580.5 Lumens	Maximum Candela:	3609.4 Candela
Luminaire Efficacy:	38.3 Lumens/Watt	Maximum Angle:	0 H 0 V
Field Lumens:	1439.2 Lumens	Field Angle :	68.8 H X 68.8 V
Beam Lumens:	679.5 Lumens	Beam Angle :	33.8 H X 33.8 V
Spill Light Lumens:	141.3 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	5	5	5	5	5	5	5	5	5	5	4
75.0	6	6	6	6	6	6	6	6	6	6	6
65.0	9	9	9	9	9	9	9	9	8	8	8
55.0	14	14	13	13	13	13	13	13	13	12	12
47.5	23	23	22	22	22	21	20	20	19	18	17
42.5	58	58	57	55	51	48	44	40	36	32	28
37.5	195	195	191	183	172	159	143	126	108	92	72
33.0	436	435	428	416	397	372	342	308	271	232	184
29.0	676	675	668	653	631	601	566	523	475	421	349
25.5	905	904	893	872	843	805	761	711	657	597	514
22.5	1154	1152	1136	1105	1063	1009	949	882	813	742	650
19.5	1474	1471	1448	1403	1340	1263	1175	1081	987	894	781
17.0	1792	1788	1758	1700	1616	1513	1397	1275	1152	1032	894
15.0	2071	2067	2030	1959	1859	1734	1594	1444	1295	1152	987
13.0	2360	2355	2312	2228	2109	1963	1797	1621	1444	1275	1081
11.0	2647	2641	2591	2494	2358	2190	2000	1797	1594	1397	1175
9.0	2920	2913	2855	2746	2592	2403	2190	1963	1734	1513	1263
7.0	3168	3159	3095	2972	2801	2592	2358	2109	1859	1616	1340
5.0	3373	3364	3293	3160	2972	2746	2494	2228	1959	1700	1403
3.0	3520	3510	3435	3293	3095	2855	2591	2312	2030	1758	1448
1.0	3597	3585	3510	3364	3159	2913	2641	2355	2067	1788	1471
0.0	3609	3597	3520	3373	3168	2920	2647	2360	2071	1792	1474
-1.0	3597	3585	3510	3364	3159	2913	2641	2355	2067	1788	1471
-3.0	3520	3510	3435	3293	3095	2855	2591	2312	2030	1758	1448
-5.0	3373	3364	3293	3160	2972	2746	2494	2228	1959	1700	1403
-7.0	3168	3159	3095	2972	2801	2592	2358	2109	1859	1616	1340
-9.0	2920	2913	2855	2746	2592	2403	2190	1963	1734	1513	1263
-11.0	2647	2641	2591	2494	2358	2190	2000	1797	1594	1397	1175
-13.0	2360	2355	2312	2228	2109	1963	1797	1621	1444	1275	1081
-15.0	2071	2067	2030	1959	1859	1734	1594	1444	1295	1152	987
-17.0	1792	1788	1758	1700	1616	1513	1397	1275	1152	1032	894
-19.5	1474	1471	1448	1403	1340	1263	1175	1081	987	894	781
-22.5	1154	1152	1136	1105	1063	1009	949	882	813	742	650
-25.5	905	904	893	872	843	805	761	711	657	597	514
-29.0	676	675	668	653	631	601	566	523	475	421	349
-33.0	436	435	428	416	397	372	342	308	271	232	184
-37.5	195	195	191	183	172	159	143	126	108	92	72
-42.5	58	58	57	55	51	48	44	40	36	32	28
-47.5	23	23	22	22	22	21	20	20	19	18	17
-55.0	14	14	13	13	13	13	13	13	13	12	12
-65.0	9	9	9	9	9	9	9	9	8	8	8
-75.0	6	6	6	6	6	6	6	6	6	6	6
-85.0	5	5	5	5	5	5	5	5	5	5	4



# 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	4	4	4	4	4	4	4	4	3	2	1
75.0	6	6	6	6	5	5	5	5	5	4	2
65.0	8	8	8	7	7	7	6	6	5	5	3
55.0	12	11	11	10	9	9	8	7	6	5	4
47.5	16	15	14	13	12	11	10	8	6	5	4
42.5	24	21	18	16	14	12	11	9	7	5	4
37.5	53	38	27	21	17	14	12	9	7	5	4
33.0	131	88	53	31	21	16	13	10	7	6	4
29.0	260	179	105	53	27	18	14	11	8	6	4
25.5	406	295	179	88	38	21	15	11	8	6	4
22.5	532	406	260	131	53	24	16	12	8	6	4
19.5	650	514	349	184	72	28	17	12	8	6	4
17.0	742	597	421	232	92	32	18	12	8	6	5
15.0	813	657	475	271	108	36	19	13	8	6	5
13.0	882	711	523	308	126	40	20	13	9	6	5
11.0	949	761	566	342	143	44	20	13	9	6	5
9.0	1009	805	601	372	159	48	21	13	9	6	5
7.0	1063	843	631	397	172	51	22	13	9	6	5
5.0	1105	872	653	416	183	55	22	13	9	6	5
3.0	1136	893	668	428	191	57	22	13	9	6	5
1.0	1152	904	675	435	195	58	23	14	9	6	5
0.0	1154	905	676	436	195	58	23	14	9	6	5
-1.0	1152	904	675	435	195	58	23	14	9	6	5
-3.0	1136	893	668	428	191	57	22	13	9	6	5
-5.0	1105	872	653	416	183	55	22	13	9	6	5
-7.0	1063	843	631	397	172	51	22	13	9	6	5
-9.0	1009	805	601	372	159	48	21	13	9	6	5
-11.0	949	761	566	342	143	44	20	13	9	6	5
-13.0	882	711	523	308	126	40	20	13	9	6	5
-15.0	813	657	475	271	108	36	19	13	8	6	5
-17.0	742	597	421	232	92	32	18	12	8	6	5
-19.5	650	514	349	184	72	28	17	12	8	6	4
-22.5	532	406	260	131	53	24	16	12	8	6	4
-25.5	406	295	179	88	38	21	15	11	8	6	4
-29.0	260	179	105	53	27	18	14	11	8	6	4
-33.0	131	88	53	31	21	16	13	10	7	6	4
-37.5	53	38	27	21	17	14	12	9	7	5	4
-42.5	24	21	18	16	14	12	11	9	7	5	4
-47.5	16	15	14	13	12	11	10	8	6	5	4
-55.0	12	11	11	10	9	9	8	7	6	5	4
-65.0	8	8	8	7	7	7	6	6	5	5	3
-75.0	6	6	6	6	5	5	5	5	5	4	2
-85.0	4	4	4	4	4	4	4	4	3	2	1



### Isocandela Diagram (Percent of Maximum Intensity)

