



UL LLC  
1075 W Lambert Rd Suite B  
Brea, CA 92821

## 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IES LM-79-2008, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)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**

Daniel Carrejo  
40429 Brickyard Dr.  
Madera, CA 93636  
United States

**Catalog Number**

**AT-LED-e162-VNSP-WHP-9-0-YM-MT(5000K)**

Order Number  
14151565  
Test Number  
14151565.12

Test Date

2022-01-20

Prepared By

Austin Duff, Technician

Approved By

Yilmaz Yucelidag, Project Handler

The results contained in this report pertain only to the tested sample.  
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**Luminaire Description:** Square white metal housing and glass lens  
**Lamp:** DELTA USCI-200140GA  
**Mounting:** Pendant

#### Luminaire



#### Luminaire Characteristics

Luminous Length: 7.50 in.  
Luminous Width: 7.500 in.

#### Summary of Results

Total Luminaire Output:	13140 Lumens
Luminaire Efficacy:	89.9 lm/w
Maximum Candela:	259324 Candela

#### Test Conditions

Test Temperature:	24.7 °C
Voltage:	120.0 VAC
Current:	1.240 A
Power:	146.2 W
Power Factor:	0.983
Frequency:	60 Hz
Current THD:	17.6 %

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



## Distribution - Goniophotometer

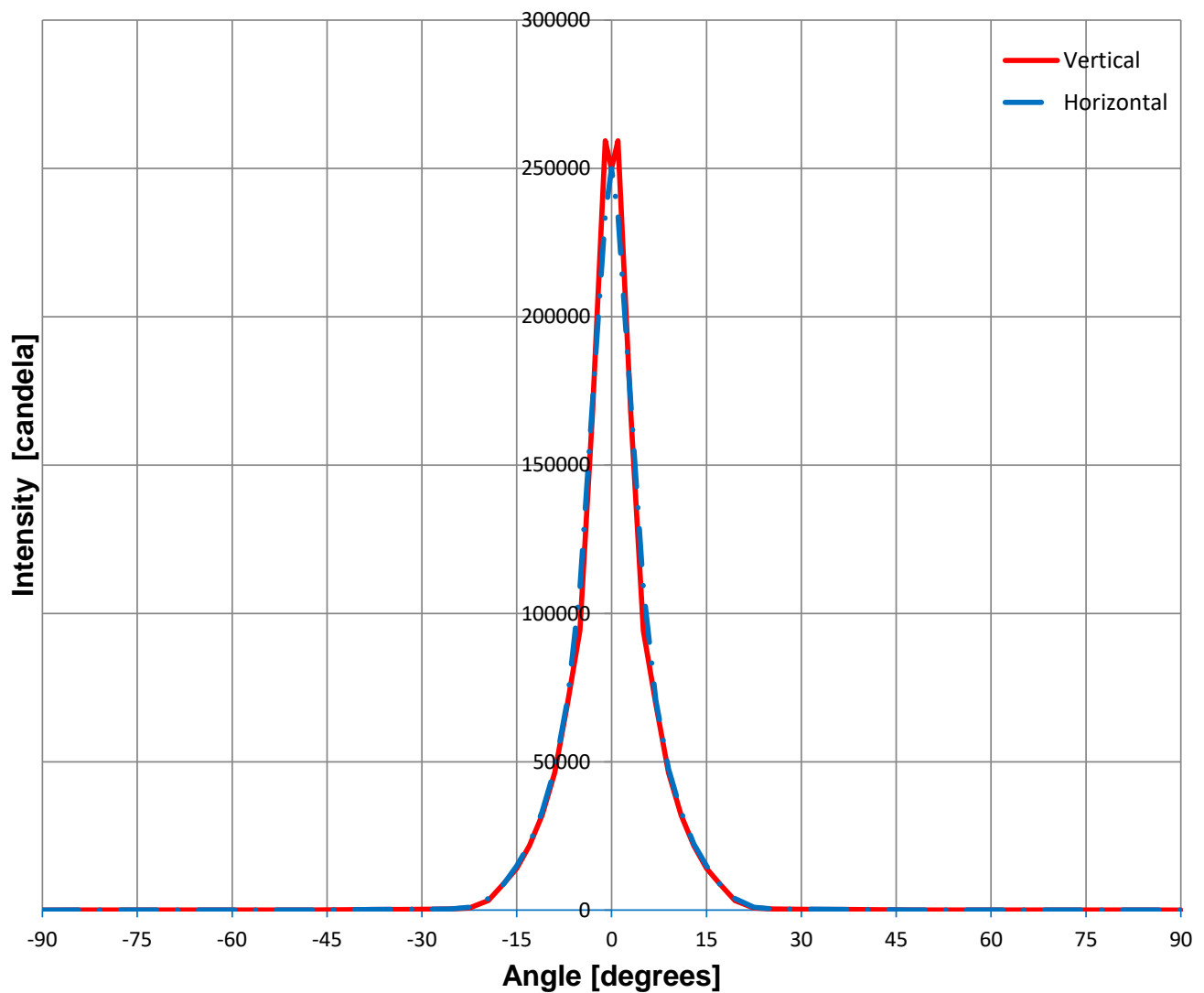
### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.7 °C	120.0 VAC	1.240 A	146.2 W	0.983	60 Hz	17.6 %

### Summary of Results

Total Lumen Output:	13135.1 Lumens	Maximum Candela:	259324.5 Candela
Luminaire Efficacy:	89.9 Lumens/Watt	Maximum Angle:	0 H -1 V
Field Lumens:	9825.8 Lumens	Field Angle :	24.6 H X 24.3 V
Beam Lumens:	2733.6 Lumens	Beam Angle :	8.4 H X 8.1 V
Spill Light Lumens:	3309.3 Lumens	IESNA Type:	2 H X 2 V

### Maximum Candlepower Plot





# Candela Tabulation

Lateral Angle (Degrees)

	0	1	3	5	7	9	11	13	15	17	19.5
85.0	17	21	30	39	42	45	46	47	47	41	35
75.0	32	34	39	44	48	51	50	46	42	41	41
65.0	29	33	43	49	46	43	47	53	52	49	49
55.0	56	59	64	66	62	57	55	56	64	60	57
47.5	43	51	67	73	74	76	76	76	84	77	76
42.5	101	102	105	103	94	99	99	99	93	81	72
37.5	161	162	163	161	152	149	139	133	132	123	113
33.0	237	240	244	243	241	239	236	233	218	193	165
29.0	297	293	290	293	297	288	275	266	262	254	233
25.5	389	386	378	368	353	353	325	309	286	286	266
22.5	699	721	689	572	526	452	408	378	342	308	294
19.5	3231	3210	2968	2422	1885	1370	926	587	430	380	316
17.0	9009	8862	8241	7117	5665	4059	2557	1494	881	484	370
15.0	14012	14014	13334	11973	10088	7831	5397	3261	1639	888	423
13.0	21703	21583	20301	18021	15239	12118	8923	5942	3299	1562	639
11.0	31950	31818	29870	26226	21769	17313	13007	8990	5549	2746	1029
9.0	46364	45879	42668	36903	30220	23409	17441	12247	7897	4349	1503
7.0	69485	68388	61766	51081	40013	30420	21962	15641	10224	5993	2198
5.0	94174	95058	84320	69444	51659	37428	26788	18585	12261	7348	2930
3.0	168135	156372	123771	85023	63247	43611	30772	20956	13927	8418	3529
1.0	259324	224270	166159	104731	70040	47110	32868	22164	14772	8933	3860
0.0	249963	234392	171655	108556	70780	47614	33092	22272	14876	8955	3914
-1.0	259324	224270	166159	104731	70040	47110	32868	22164	14772	8933	3860
-3.0	168135	156372	123771	85023	63247	43611	30772	20956	13927	8418	3529
-5.0	94174	95058	84320	69444	51659	37428	26788	18585	12261	7348	2930
-7.0	69485	68388	61766	51081	40013	30420	21962	15641	10224	5993	2198
-9.0	46364	45879	42668	36903	30220	23409	17441	12247	7897	4349	1503
-11.0	31950	31818	29870	26226	21769	17313	13007	8990	5549	2746	1029
-13.0	21703	21583	20301	18021	15239	12118	8923	5942	3299	1562	639
-15.0	14012	14014	13334	11973	10088	7831	5397	3261	1639	888	423
-17.0	9009	8862	8241	7117	5665	4059	2557	1494	881	484	370
-19.5	3231	3210	2968	2422	1885	1370	926	587	430	380	316
-22.5	699	721	689	572	526	452	408	378	342	308	294
-25.5	389	386	378	368	353	353	325	309	286	286	266
-29.0	297	293	290	293	297	288	275	266	262	254	233
-33.0	237	240	244	243	241	239	236	233	218	193	165
-37.5	161	162	163	161	152	149	139	133	132	123	113
-42.5	101	102	105	103	94	99	99	99	93	81	72
-47.5	43	51	67	73	74	76	76	76	84	77	76
-55.0	56	59	64	66	62	57	55	56	64	60	57
-65.0	29	33	43	49	46	43	47	53	52	49	49
-75.0	32	34	39	44	48	51	50	46	42	41	41
-85.0	17	21	30	39	42	45	46	47	47	41	35

Vertical Angle (Degrees)



### 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	33	32	41	42	43	40	35	50	45	39	18
75.0	39	45	48	52	44	38	41	39	33	47	40
65.0	49	56	50	47	52	52	47	42	47	30	39
55.0	54	65	54	60	63	52	50	50	42	45	50
47.5	76	78	68	64	59	64	51	54	49	42	46
42.5	81	78	64	73	59	64	61	53	48	50	42
37.5	94	97	90	69	65	68	58	53	48	45	39
33.0	129	125	115	69	70	65	64	52	47	44	39
29.0	203	174	131	106	86	62	65	61	51	43	39
25.5	237	212	175	106	98	64	67	61	49	38	38
22.5	269	249	190	141	101	72	64	51	47	34	38
19.5	290	261	233	173	103	101	67	53	51	33	37
17.0	320	276	253	186	106	84	70	50	53	36	37
15.0	333	282	257	195	111	87	68	52	53	38	37
13.0	366	304	261	212	127	91	65	58	52	38	36
11.0	410	320	272	224	139	88	67	59	50	38	36
9.0	459	320	275	229	150	89	70	59	51	37	36
7.0	611	341	284	238	156	91	70	57	53	35	35
5.0	748	347	289	248	169	94	68	57	55	33	35
3.0	878	369	295	255	175	95	64	58	58	31	35
1.0	949	380	276	256	174	92	63	58	60	29	34
0.0	960	383	263	257	173	90	62	59	61	28	34
-1.0	949	380	276	256	174	92	63	58	60	29	34
-3.0	878	369	295	255	175	95	64	58	58	31	35
-5.0	748	347	289	248	169	94	68	57	55	33	35
-7.0	611	341	284	238	156	91	70	57	53	35	35
-9.0	459	320	275	229	150	89	70	59	51	37	36
-11.0	410	320	272	224	139	88	67	59	50	38	36
-13.0	366	304	261	212	127	91	65	58	52	38	36
-15.0	333	282	257	195	111	87	68	52	53	38	37
-17.0	320	276	253	186	106	84	70	50	53	36	37
-19.5	290	261	233	173	103	101	67	53	51	33	37
-22.5	269	249	190	141	101	72	64	51	47	34	38
-25.5	237	212	175	106	98	64	67	61	49	38	38
-29.0	203	174	131	106	86	62	65	61	51	43	39
-33.0	129	125	115	69	70	65	64	52	47	44	39
-37.5	94	97	90	69	65	68	58	53	48	45	39
-42.5	81	78	64	73	59	64	61	53	48	50	42
-47.5	76	78	68	64	59	64	51	54	49	42	46
-55.0	54	65	54	60	63	52	50	50	42	45	50
-65.0	49	56	50	47	52	52	47	42	47	30	39
-75.0	39	45	48	52	44	38	41	39	33	47	40
-85.0	33	32	41	42	43	40	35	50	45	39	18



### Isocandela Diagram (Percent of Maximum Intensity)

