



UL LLC  
1075 W Lambert Rd Suite B  
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## 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IES LM-79-2008, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)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**

**OR-LED-e117-ASY-WHP-9-0-YM-MT(5000K)**

Order Number  
14151565  
Test Number  
14151565.10

Test Date

2022-01-11

Prepared By

Austin Duff, Technician

Approved By

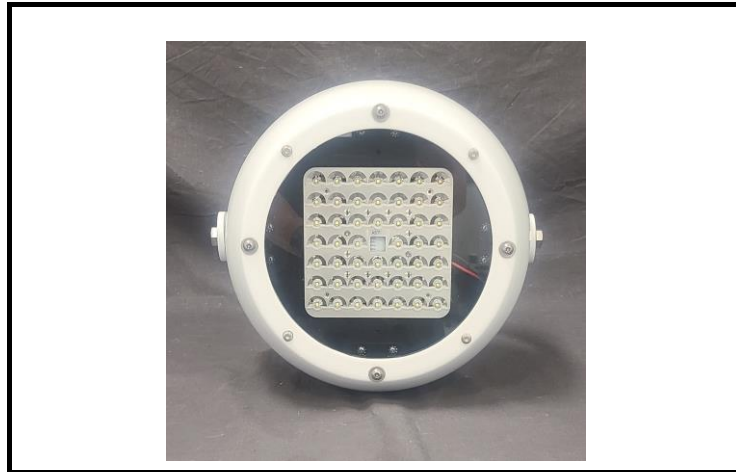
Yilmaz Yucelidag, Project Handler

The results contained in this report pertain only to the tested sample.  
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**Luminaire Description:** Formed white metal housing with glass lens  
**Lamp:** 49 White LED with optic below  
**Mounting:** Pole/Arm  
**Ballast/Driver:** DELTA USCI-200140GA

#### Luminaire



#### Luminaire Characteristics

Luminous Diameter: 9.00 in.

#### Summary of Results

Total Luminaire Output:	10540 Lumens
Luminaire Efficacy:	117 lm/w
Maximum Candela:	7094 Candela

#### Test Conditions

Test Temperature:	25.7 °C
Voltage:	120.1 VAC
Current:	0.7697 A
Power:	89.81 W
Power Factor:	0.972
Frequency:	60 Hz
Current THD:	21.7 %

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



## Distribution - Goniophotometer

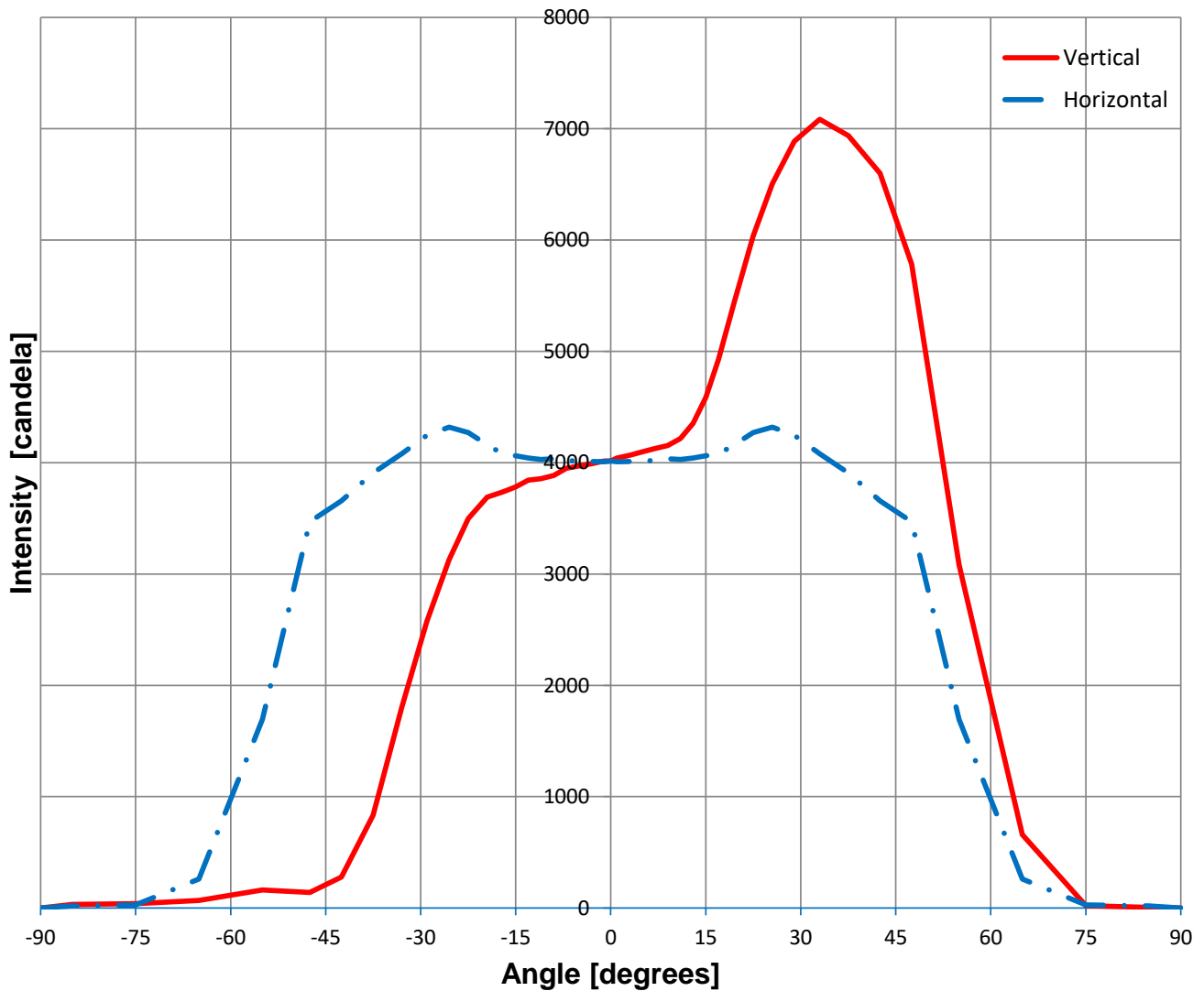
### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.7 °C	120.1 VAC	0.7697 A	89.81 W	0.972	60 Hz	21.7 %

### Summary of Results

Total Lumen Output:	10536.3 Lumens	Maximum Candela:	7093.8 Candela
Luminaire Efficacy:	117.3 Lumens/Watt	Maximum Angle:	-5 H 33 V
Field Lumens:	10160.7 Lumens	Field Angle :	122.1 H X 102.6 V
Beam Lumens:	7830.1 Lumens	Beam Angle :	86.2 H X 74.5 V
Spill Light Lumens:	375.6 Lumens	IESNA Type:	6 H X 6 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	6	6	6	6	6	6	6	6	6	6	6
75.0	20	20	20	19	19	19	19	19	19	19	18
65.0	658	657	650	640	631	615	587	554	514	477	431
55.0	3085	3084	3075	3068	3066	3055	3033	2991	2932	2849	2710
47.5	5784	5749	5666	5610	5562	5507	5418	5285	5126	4934	4669
42.5	6601	6583	6541	6493	6435	6412	6377	6322	6210	6061	5910
37.5	6937	6920	6882	6872	6846	6795	6705	6627	6543	6475	6420
33.0	7084	7079	7073	7094	7091	7047	6954	6852	6746	6644	6553
29.0	6886	6886	6905	6958	7005	7012	6998	6955	6892	6828	6747
25.5	6507	6503	6525	6576	6618	6657	6694	6757	6818	6856	6835
22.5	6035	6031	6059	6106	6153	6206	6277	6386	6513	6626	6730
19.5	5441	5441	5482	5523	5594	5677	5800	5954	6101	6257	6417
17.0	4928	4936	4985	5042	5135	5248	5389	5556	5737	5917	6104
15.0	4587	4597	4643	4710	4805	4927	5082	5269	5466	5654	5867
13.0	4354	4359	4395	4452	4541	4658	4817	5011	5204	5401	5613
11.0	4217	4219	4247	4284	4345	4445	4597	4780	4969	5155	5362
9.0	4154	4152	4166	4186	4231	4306	4413	4559	4730	4910	5114
7.0	4126	4119	4123	4130	4154	4196	4271	4385	4533	4682	4872
5.0	4099	4092	4086	4098	4103	4125	4168	4241	4365	4499	4662
3.0	4068	4062	4059	4066	4071	4081	4103	4141	4210	4326	4482
1.0	4041	4030	4030	4033	4038	4056	4054	4085	4106	4149	4271
0.0	4016	4008	4012	4009	4023	4034	4029	4042	4062	4078	4160
-1.0	4015	4005	4008	4009	4011	4009	3999	3996	4016	4024	4079
-3.0	3990	3986	3971	3970	3974	3969	3948	3935	3939	3937	3941
-5.0	3971	3967	3933	3931	3943	3938	3903	3888	3890	3865	3839
-7.0	3951	3944	3901	3891	3919	3916	3868	3846	3822	3806	3761
-9.0	3886	3890	3876	3856	3879	3886	3844	3837	3783	3746	3710
-11.0	3856	3859	3843	3832	3822	3834	3816	3799	3763	3692	3644
-13.0	3844	3844	3808	3789	3767	3765	3771	3714	3670	3607	3520
-15.0	3783	3777	3753	3740	3731	3715	3705	3664	3590	3503	3361
-17.0	3738	3728	3702	3719	3710	3671	3646	3619	3519	3380	3195
-19.5	3692	3682	3663	3633	3625	3582	3542	3504	3343	3154	2900
-22.5	3499	3493	3478	3446	3386	3317	3259	3164	2961	2745	2454
-25.5	3128	3126	3114	3084	3019	2904	2783	2638	2456	2244	1970
-29.0	2577	2566	2538	2510	2473	2348	2193	2014	1856	1650	1403
-33.0	1801	1773	1708	1666	1612	1513	1369	1240	1094	934	830
-37.5	834	830	811	749	681	627	574	515	431	378	351
-42.5	278	279	280	256	224	207	186	160	170	206	205
-47.5	139	135	125	119	118	107	95	122	149	148	146
-55.0	161	143	105	81	76	77	89	96	88	79	76
-65.0	68	64	57	52	53	54	61	68	70	66	58
-75.0	39	40	41	41	40	38	38	38	38	37	37
-85.0	33	33	33	33	33	33	33	33	33	33	32



### Candela Tabulation

Lateral Angle (Degrees)

	22.5	25.5	29	33	37.5	42.5	47.5	55	65	75	85
85.0	6	6	7	7	7	7	7	7	8	6	2
75.0	17	17	16	16	15	14	14	14	13	13	7
65.0	364	318	265	197	117	39	28	22	18	16	11
55.0	2543	2363	2091	1697	1158	630	298	84	25	18	14
47.5	4283	3879	3455	3057	2618	1984	1152	287	34	19	15
42.5	5641	5227	4675	3949	3233	2565	1939	572	45	21	15
37.5	6327	6087	5716	5130	4160	3100	2348	1098	83	22	16
33.0	6490	6425	6227	5727	4956	3666	2702	1630	112	25	16
29.0	6607	6489	6352	6010	5512	4344	3050	1873	129	27	17
25.5	6734	6560	6334	6153	5756	4917	3349	2005	135	28	17
22.5	6698	6570	6340	6168	5869	5206	3617	2095	134	28	17
19.5	6502	6461	6347	6088	5889	5269	3845	2093	147	27	17
17.0	6238	6303	6228	6042	5798	5223	3998	2070	153	27	17
15.0	6013	6113	6104	5952	5677	5176	4065	2056	162	28	17
13.0	5785	5892	5931	5805	5555	5123	4103	2038	176	28	17
11.0	5548	5664	5731	5629	5402	5044	4110	2000	186	28	18
9.0	5313	5454	5516	5440	5192	4932	4072	1957	205	28	18
7.0	5069	5241	5303	5219	4946	4710	4002	1909	223	28	18
5.0	4841	4974	5058	4942	4674	4468	3893	1861	238	28	18
3.0	4637	4713	4737	4643	4387	4155	3738	1802	250	29	18
1.0	4404	4453	4410	4268	4070	3824	3563	1733	258	29	18
0.0	4270	4319	4246	4080	3909	3658	3470	1696	260	29	18
-1.0	4167	4197	4089	3897	3703	3474	3324	1640	258	29	18
-3.0	3972	3955	3772	3525	3286	3107	3029	1526	250	29	18
-5.0	3800	3729	3486	3165	2871	2745	2734	1409	239	29	18
-7.0	3648	3513	3200	2803	2462	2401	2418	1290	224	29	18
-9.0	3507	3275	2912	2464	2102	2058	2088	1170	207	28	18
-11.0	3386	3039	2655	2138	1762	1753	1763	1045	187	28	18
-13.0	3209	2794	2363	1826	1456	1459	1450	916	160	28	18
-15.0	3034	2569	2021	1493	1175	1154	1131	777	132	28	18
-17.0	2850	2332	1713	1166	878	828	821	624	110	28	18
-19.5	2501	2008	1343	846	531	420	536	447	89	27	18
-22.5	2029	1532	1003	570	290	249	264	254	64	27	18
-25.5	1535	1133	734	392	210	138	162	177	54	27	18
-29.0	1091	786	491	265	188	117	123	127	46	26	18
-33.0	642	451	280	187	237	103	89	101	40	26	18
-37.5	271	187	145	144	176	91	70	86	38	25	18
-42.5	147	105	112	119	128	87	120	69	38	24	17
-47.5	97	82	87	92	88	69	79	55	34	23	17
-55.0	80	80	79	115	76	47	46	38	36	23	16
-65.0	49	47	51	54	53	54	39	33	26	22	12
-75.0	37	36	35	33	32	31	29	27	24	21	8
-85.0	32	31	30	29	28	27	25	23	16	9	3

Vertical Angle (Degrees)



### Isocandela Diagram (Percent of Maximum Intensity)

