



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IES LM-79-2008, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)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
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Madera, CA 93636
United States

Catalog Number

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

Order Number
14201776
Test Number
14201776.04

Test Date

2022-02-10

Prepared By

William Escobar, 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: White LED array
Mounting: Pendant
Ballast/Driver: DELTA USCI-200140GA

Luminaire



Luminaire Characteristics

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

Summary of Results

Total Luminaire Output: 15200 Lumens
Luminaire Efficacy: 104 lm/w
Maximum Candela: 13368 Candela

Test Conditions

Test Temperature: 25.3 °C
Voltage: 120.0 VAC
Current: 1.239 A
Power: 146.1 W
Power Factor: 0.982
Frequency: 60 Hz
Current THD: 17.6 %

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



Distribution - Goniophotometer

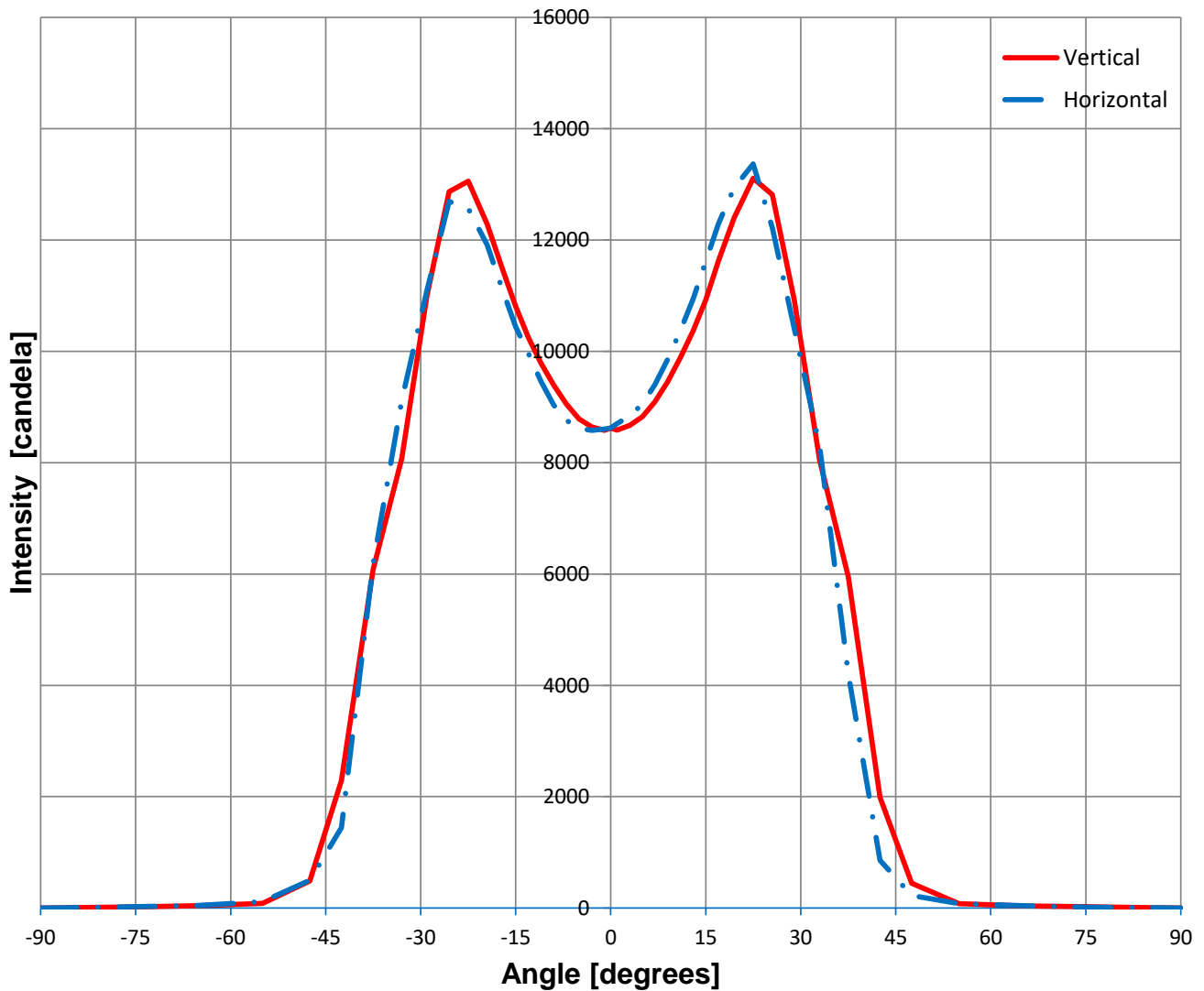
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.3 °C	120.0 VAC	1.239 A	146.1 W	0.982	60 Hz	17.6 %

Summary of Results

Total Lumen Output:	15201.6 Lumens	Maximum Candela:	13367.8 Candela
Luminaire Efficacy:	104.1 Lumens/Watt	Maximum Angle:	22.5 H 0 V
Field Lumens:	14699.4 Lumens	Field Angle :	84.8 H X 78.0 V
Beam Lumens:	12805.3 Lumens	Beam Angle :	71.5 H X 56.0 V
Spill Light Lumens:	502.2 Lumens	IESNA Type:	5 H X 5 V

Maximum Candlepower Plot





Candela Tabulation

Lateral Angle (Degrees)

	0	1	3	5	7	9	11	13	15	17	19.5
85.0	5	5	4	4	4	5	5	5	4	4	4
75.0	22	21	20	18	19	21	21	20	19	17	14
65.0	37	40	44	48	49	50	44	38	36	36	36
55.0	80	78	74	73	74	76	77	76	75	74	71
47.5	445	415	353	296	241	202	174	159	150	145	136
42.5	1990	1796	1382	1080	842	802	740	641	563	499	455
37.5	5946	5642	4979	4308	3642	3055	2643	2303	2058	1887	1693
33.0	8040	7948	7765	7804	7578	7217	6754	6307	5764	5228	4734
29.0	10921	10617	10144	10099	9873	9603	9332	8988	8341	7518	6790
25.5	12816	12526	12042	11708	11306	11010	10908	10687	10153	9226	8384
22.5	13110	13090	12978	12756	12526	12369	12157	11894	11542	10942	10137
19.5	12404	12625	12768	12811	12845	12926	12886	12729	12477	12065	11418
17.0	11630	11885	12137	12251	12415	12707	12988	13039	12916	12552	11893
15.0	10925	11320	11605	11795	11973	12303	12700	12951	12995	12792	12156
13.0	10368	10735	10935	11113	11403	11792	12198	12565	12827	12877	12555
11.0	9887	10198	10375	10604	10867	11307	11824	12256	12641	12911	12894
9.0	9454	9742	9924	10150	10434	10892	11373	11917	12384	12793	13093
7.0	9094	9324	9527	9779	10123	10549	11030	11597	12088	12586	13089
5.0	8826	9025	9215	9486	9837	10261	10696	11227	11847	12406	13076
3.0	8673	8826	8962	9227	9600	10016	10498	11108	11789	12347	12960
1.0	8585	8717	8829	9087	9469	9899	10399	11013	11670	12286	12932
0.0	8620	8703	8839	9056	9406	9857	10372	10942	11622	12295	12943
-1.0	8579	8636	8789	9046	9422	9872	10364	10931	11636	12307	12938
-3.0	8645	8664	8821	9078	9475	9923	10394	11014	11729	12333	12930
-5.0	8786	8794	8963	9229	9616	10052	10526	11110	11815	12407	13036
-7.0	9051	9052	9242	9540	9876	10316	10790	11359	11957	12554	13170
-9.0	9393	9418	9595	9876	10182	10583	11111	11708	12184	12713	13170
-11.0	9785	9834	10025	10272	10575	10993	11519	12038	12487	12873	13102
-13.0	10250	10312	10495	10736	11040	11410	11939	12353	12745	12954	12857
-15.0	10810	10900	11117	11327	11581	11907	12322	12707	12920	12858	12389
-17.0	11456	11546	11769	11947	12105	12415	12823	12995	12954	12694	12006
-19.5	12281	12307	12387	12557	12695	12883	12989	12902	12702	12295	11674
-22.5	13056	13092	13088	12983	12839	12773	12625	12372	12015	11533	10936
-25.5	12868	12837	12626	12230	11864	11597	11583	11382	10838	9958	9282
-29.0	10997	11030	10992	10804	10466	10257	10061	9746	9053	8170	7325
-33.0	8077	8262	8573	8754	8559	8220	7856	7345	6749	6172	5623
-37.5	6081	6001	5795	5400	4902	4341	3855	3433	3175	3009	2808
-42.5	2287	2151	1850	1469	1102	981	898	821	748	639	614
-47.5	486	473	441	396	342	301	256	218	190	189	182
-55.0	83	84	85	87	90	91	92	90	85	80	74
-65.0	40	43	50	54	50	46	43	41	41	43	43
-75.0	21	21	21	21	23	24	23	21	19	19	18
-85.0	4	4	4	5	5	5	5	5	5	4	4

Vertical Angle (Degrees)



Candela Tabulation

Lateral 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	3	3	2	1	0
75.0	14	14	13	14	11	9	8	7	6	4	1
65.0	39	37	34	32	40	27	26	17	8	6	2
55.0	64	55	46	45	42	41	36	34	16	7	3
47.5	123	103	82	69	59	53	45	34	24	7	3
42.5	440	357	204	104	83	72	55	35	25	8	3
37.5	1447	1001	536	231	119	90	66	39	27	8	3
33.0	3854	2423	1100	560	179	116	77	42	34	9	4
29.0	5933	4176	2132	946	460	160	86	46	41	11	4
25.5	7543	6011	3545	1556	718	263	99	51	48	11	4
22.5	9239	7736	5263	2549	998	393	113	54	53	12	5
19.5	10549	9157	6886	4040	1643	540	156	56	45	12	5
17.0	10834	9894	7856	5248	2548	677	213	58	40	13	5
15.0	11206	10295	8335	6155	3267	810	239	60	36	13	5
13.0	11709	10742	8686	6811	3853	907	257	62	33	14	5
11.0	12227	11110	8935	7174	4207	968	267	66	31	14	5
9.0	12662	11511	9326	7377	4266	987	262	69	33	14	5
7.0	12873	11829	9884	7582	4261	936	250	72	35	15	5
5.0	13028	12108	10348	7910	4183	850	241	75	36	15	5
3.0	13166	12141	10542	8205	4159	849	239	77	38	15	5
1.0	13306	12197	10477	8281	4207	857	232	79	40	15	5
0.0	13368	12218	10408	8288	4199	856	226	80	40	15	5
-1.0	13335	12214	10418	8274	4198	869	227	80	40	15	5
-3.0	13254	12184	10415	8189	4129	887	226	80	39	15	5
-5.0	13140	12197	10485	8116	4086	893	217	80	38	16	5
-7.0	12963	12088	10290	7946	4051	874	224	79	37	16	5
-9.0	12826	11815	9862	7620	4078	834	237	75	35	16	5
-11.0	12526	11381	9228	7352	4130	874	240	70	34	16	5
-13.0	12114	10977	8883	7162	3953	872	245	66	34	15	5
-15.0	11580	10587	8598	6722	3598	828	250	62	33	15	5
-17.0	11013	10177	8258	6007	3020	723	242	60	32	15	5
-19.5	10716	9539	7509	4911	2123	583	188	57	31	14	5
-22.5	10005	8464	6019	3301	1270	458	132	54	30	13	5
-25.5	8469	6853	4305	1949	816	337	102	51	35	12	4
-29.0	6489	4805	2523	1166	568	187	87	47	41	11	4
-33.0	4590	2931	1324	742	263	125	76	44	41	10	4
-37.5	2105	1263	641	287	137	97	67	40	33	9	4
-42.5	567	471	274	126	99	79	55	36	23	8	3
-47.5	163	120	93	78	72	59	52	32	21	7	3
-55.0	65	56	52	49	46	42	40	33	15	6	3
-65.0	39	36	32	32	51	27	22	18	8	6	2
-75.0	18	17	15	13	13	10	8	7	6	4	1
-85.0	4	4	4	4	4	4	3	3	2	1	0

Vertical Angle (Degrees)



Isocandela Diagram (Percent of Maximum Intensity)

