



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IES LM-79-2008, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)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-FL-WHP-9-0-YM-MT(5000K)

Order Number
14201776
Test Number
14201776.02

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: 14480 Lumens
Luminaire Efficacy: 99.2 lm/w
Maximum Candela: 25468 Candela

Test Conditions

Test Temperature: 24.9 °C
Voltage: 120.0 VAC
Current: 1.237 A
Power: 145.9 W
Power Factor: 0.982
Frequency: 60 Hz
Current THD: 17.7 %

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



Distribution - Goniophotometer

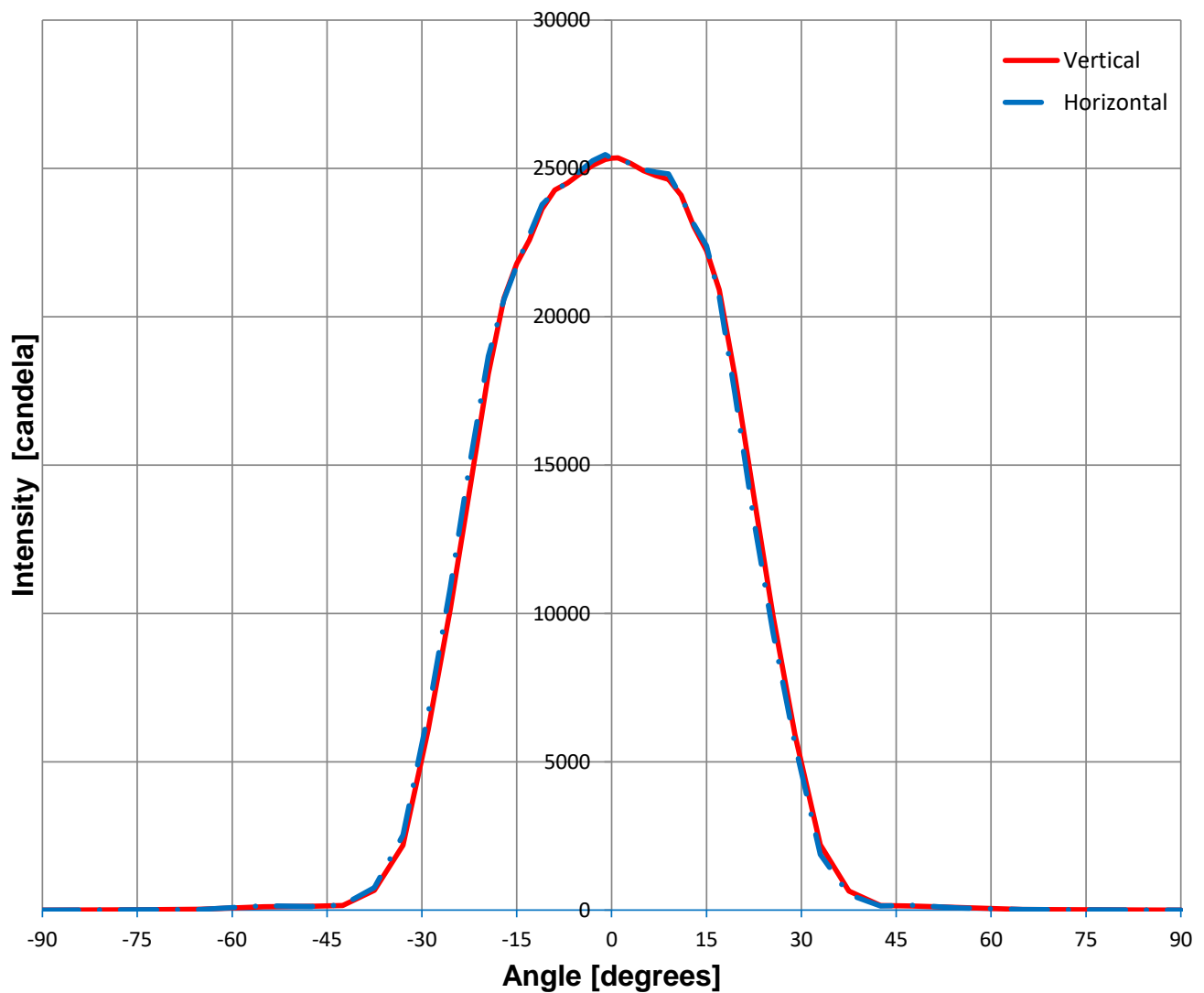
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.0 VAC	1.237 A	145.9 W	0.982	60 Hz	17.7 %

Summary of Results

Total Lumen Output:	14481.0 Lumens	Maximum Candela:	25467.8 Candela
Luminaire Efficacy:	99.2 Lumens/Watt	Maximum Angle:	-1 H 0 V
Field Lumens:	13742.4 Lumens	Field Angle :	65.3 H X 65.4 V
Beam Lumens:	10508.6 Lumens	Beam Angle :	47.0 H X 47.3 V
Spill Light Lumens:	738.6 Lumens	IESNA Type:	4 H X 4 V

Maximum Candlepower Plot





Candela Tabulation

Lateral Angle (Degrees)

	0	1	3	5	7	9	11	13	15	17	19.5
85.0	2	2	2	2	2	2	2	2	2	2	2
75.0	10	10	9	9	9	8	8	8	8	8	8
65.0	22	22	22	22	21	21	22	23	23	23	22
55.0	87	78	61	50	46	45	47	50	52	51	43
47.5	138	128	106	95	88	90	95	122	181	169	117
42.5	157	149	132	134	138	137	132	122	111	101	96
37.5	639	568	416	386	335	315	296	275	230	193	162
33.0	2198	1995	1607	1488	1292	1126	1053	975	846	671	460
29.0	5923	5546	4855	4435	3918	3469	2990	2547	2099	1680	1231
25.5	9920	9371	8539	8085	7580	7184	6548	5745	4824	3789	2414
22.5	13948	13179	12251	11740	11105	10306	9516	8712	7615	6253	4459
19.5	18001	17190	16336	15706	14948	13880	12838	11640	10305	8679	6778
17.0	20908	20256	19605	19029	18217	16988	15704	14330	12848	11042	8725
15.0	22226	21926	21602	21227	20443	19414	18055	16301	14660	12789	10337
13.0	23037	22751	22765	22549	21972	21233	19836	18180	16426	14366	11753
11.0	24093	23445	23466	23338	22919	22449	21266	19975	18322	15835	13002
9.0	24633	24298	24290	24142	23669	23248	22439	21422	19707	17232	14186
7.0	24759	24542	24641	24667	24224	23736	23005	22224	20809	18538	15360
5.0	24924	24698	24708	24738	24798	24325	23600	22911	21643	19470	16237
3.0	25173	24974	24850	24818	24809	24565	23941	23296	22172	20145	16954
1.0	25357	25148	25034	24917	24857	24795	24049	23184	22417	20639	17351
0.0	25342	25343	25156	24967	24879	24816	24034	23119	22390	20676	17395
-1.0	25307	25230	25085	24980	24865	24736	23981	23139	22400	20638	17344
-3.0	25103	25001	24885	24781	24719	24568	23880	23294	22353	20400	17172
-5.0	24816	24721	24618	24608	24611	24355	23634	22980	21821	19751	16616
-7.0	24509	24443	24389	24425	24339	23765	23099	22429	21192	18950	15750
-9.0	24276	24217	24122	24091	23633	23293	22583	21677	20331	17985	14760
-11.0	23634	23586	23397	23266	22908	22580	21752	20504	18906	16709	13778
-13.0	22586	22670	22802	22585	22148	21616	20593	19181	17371	15152	12567
-15.0	21787	21858	21966	21686	21121	20351	19108	17546	15678	13635	11136
-17.0	20627	20684	20679	20216	19419	18448	17072	15492	13908	12126	9599
-19.5	18074	18051	17923	17330	16403	15320	14211	12662	11264	9722	7695
-22.5	14110	14021	13724	13205	12470	11604	10680	9676	8343	7004	5328
-25.5	10140	10110	9881	9425	8862	8187	7609	6791	5742	4518	3009
-29.0	6068	6037	5863	5524	4978	4433	3846	3313	2746	2092	1421
-33.0	2182	2169	2090	1916	1608	1317	1203	1132	1049	926	623
-37.5	667	663	639	646	619	547	454	384	309	244	185
-42.5	158	159	159	164	171	181	174	152	130	114	105
-47.5	129	119	99	94	98	96	95	99	115	107	84
-55.0	115	100	71	55	53	54	58	63	70	67	49
-65.0	24	24	24	24	24	24	25	26	25	24	22
-75.0	10	10	10	10	10	10	10	10	10	9	9
-85.0	3	2	2	2	2	2	2	2	2	2	2

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	1	1	1	1	1	1	1	1	1	1	0
75.0	8	7	7	6	5	4	4	3	2	1	0
65.0	19	17	16	15	13	11	9	7	4	2	1
55.0	37	35	30	28	25	22	17	12	7	3	1
47.5	81	68	55	65	101	30	25	16	9	4	1
42.5	89	83	75	68	66	44	29	18	11	4	1
37.5	151	159	132	88	66	55	36	23	12	5	2
33.0	251	188	149	132	95	76	47	32	14	6	2
29.0	828	353	197	171	125	80	77	43	15	6	2
25.5	1374	968	433	188	115	84	195	46	16	6	2
22.5	2580	1458	902	271	136	89	272	44	16	6	2
19.5	4558	2602	1329	477	181	94	180	40	16	7	2
17.0	6444	3920	1731	695	239	103	112	39	17	7	2
15.0	7764	4990	2189	900	266	114	97	38	17	7	2
13.0	8899	5949	2719	1002	289	124	89	38	17	7	2
11.0	9765	6806	3309	1091	309	133	87	40	17	7	2
9.0	10751	7436	3904	1203	354	139	87	41	17	7	2
7.0	11554	7908	4454	1412	410	137	86	42	17	8	2
5.0	12206	8376	4921	1585	461	133	93	50	17	8	2
3.0	12688	8885	5320	1738	494	136	123	59	17	8	2
1.0	13026	9237	5537	1840	516	138	151	68	17	8	2
0.0	13133	9350	5594	1874	521	139	165	72	17	8	2
-1.0	13050	9285	5542	1841	515	137	156	68	17	8	2
-3.0	12836	9062	5350	1739	490	132	139	62	17	8	2
-5.0	12526	8710	5129	1627	470	127	121	55	17	8	2
-7.0	11993	8244	4734	1482	445	131	108	48	17	8	2
-9.0	11169	7676	4202	1275	395	132	96	45	17	7	2
-11.0	10220	7067	3565	1145	317	130	80	41	17	7	2
-13.0	9418	6379	2962	1032	280	124	80	38	17	7	2
-15.0	8424	5569	2423	922	269	115	81	37	17	7	2
-17.0	7152	4489	1923	759	259	104	84	37	16	7	2
-19.5	5284	2957	1452	537	200	93	135	38	16	7	2
-22.5	3176	1669	967	341	148	85	218	38	16	7	2
-25.5	1645	1041	571	203	120	88	180	39	15	6	2
-29.0	970	600	217	161	108	92	94	41	14	6	2
-33.0	323	199	165	181	88	69	52	35	13	6	1
-37.5	165	152	119	98	66	59	37	24	12	5	1
-42.5	110	112	87	68	59	40	30	19	11	5	1
-47.5	74	65	59	66	99	31	25	16	9	4	1
-55.0	40	37	33	32	27	23	18	12	8	3	1
-65.0	20	19	18	16	14	12	11	8	4	2	1
-75.0	8	8	7	7	6	5	4	4	2	1	0
-85.0	2	2	2	2	2	2	2	1	1	1	0

Vertical Angle (Degrees)



Isocandela Diagram (Percent of Maximum Intensity)

