



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IES LM-79-2008, ANSI C82.77-10-2014, IES LM-35-2002 (Withdrawn)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

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Madera, CA 93636
United States

Catalog Number

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

Order Number
14201776
Test Number
14201776.03

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:	16020 Lumens
Luminaire Efficacy:	110 lm/w
Maximum Candela:	29031 Candela

Test Conditions

Test Temperature:	25.0 °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

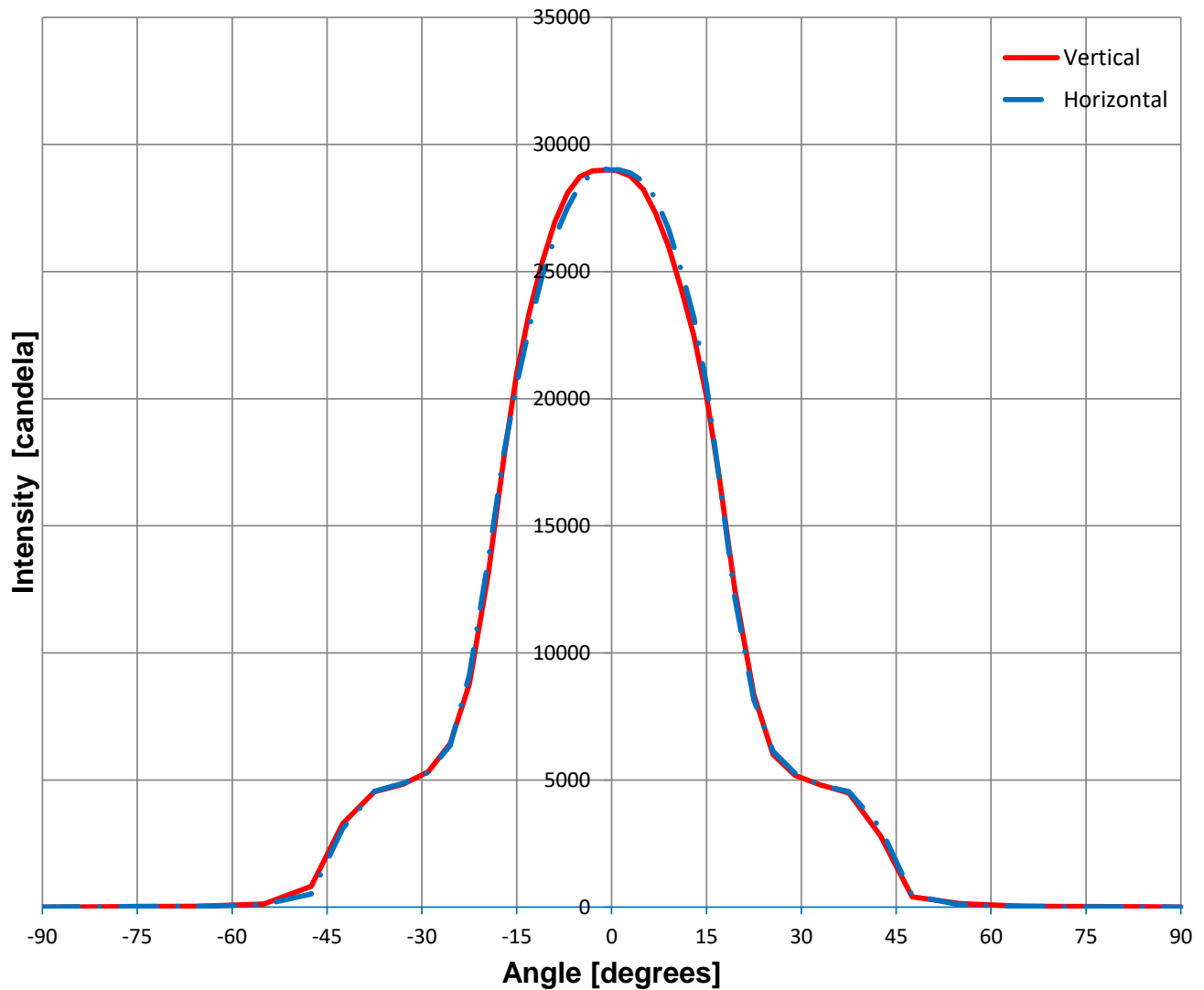
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.0 VAC	1.239 A	146.1 W	0.982	60 Hz	17.6 %

Summary of Results

Total Lumen Output:	16015.2 Lumens	Maximum Candela:	29030.7 Candela
Luminaire Efficacy:	109.6 Lumens/Watt	Maximum Angle:	-1 H 0 V
Field Lumens:	15226.6 Lumens	Field Angle :	85.8 H X 85.9 V
Beam Lumens:	7394.6 Lumens	Beam Angle :	37.2 H X 37.7 V
Spill Light Lumens:	788.6 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	11	11	10	10	10	11	11	11	11	11	10
75.0	24	23	22	21	19	18	17	18	18	20	22
65.0	33	32	32	31	31	31	30	30	30	29	29
55.0	137	130	115	106	106	101	86	74	70	65	65
47.5	407	369	288	242	203	180	173	197	220	217	201
42.5	2799	2707	2492	2396	2303	2133	1931	1731	1485	1196	811
37.5	4484	4466	4423	4439	4428	4375	4333	4258	4171	3957	3546
33.0	4810	4784	4739	4762	4727	4692	4695	4652	4608	4545	4472
29.0	5184	5148	5089	5076	5049	5050	5007	4912	4884	4818	4719
25.5	6007	5852	5636	5560	5498	5416	5352	5226	5110	4993	4861
22.5	8356	7752	7028	6711	6479	6228	5938	5631	5452	5265	5065
19.5	12469	11358	10193	9532	8981	8292	7404	6774	6183	5734	5357
17.0	16899	15436	14288	13568	12616	11299	10027	8647	7400	6452	5730
15.0	20070	18826	17912	17122	15963	14460	12828	10766	8906	7410	6231
13.0	22471	21419	20864	20278	19033	17614	15641	13208	10914	8908	6926
11.0	24331	23477	23138	22587	21462	20034	18047	15695	13115	10414	7770
9.0	25996	25119	24966	24389	23442	21992	20258	17987	15010	11986	8809
7.0	27282	26594	26548	26058	25055	23766	22031	19696	16895	13669	9907
5.0	28229	27786	27684	27278	26481	25122	23406	21332	18464	14955	10834
3.0	28749	28579	28449	28072	27343	26109	24405	22283	19458	15899	11535
1.0	28953	28917	28773	28434	27758	26595	24969	23023	20243	16611	12018
0.0	28996	29015	28876	28545	27868	26686	25070	23202	20520	16856	12151
-1.0	28992	28981	28866	28576	27922	26693	25074	23172	20390	16736	12072
-3.0	28966	28921	28798	28505	27768	26593	24951	22989	20150	16440	11804
-5.0	28738	28678	28518	28202	27389	26162	24356	22285	19312	15672	11327
-7.0	28095	28068	27860	27379	26597	25133	23443	21202	18150	14607	10553
-9.0	26942	26922	26687	26111	25142	23798	21909	19568	16792	13354	9695
-11.0	25346	25322	25088	24501	23435	22002	20110	17577	14667	11844	8771
-13.0	23417	23456	23246	22496	21320	19668	17775	15334	12578	10148	7769
-15.0	20991	21005	20797	19941	18724	17010	14970	12727	10628	8635	6847
-17.0	17711	17707	17561	16738	15439	13901	12103	10263	8687	7306	6152
-19.5	13111	13065	12849	12288	11258	10293	9012	7890	6928	6227	5653
-22.5	8782	8726	8538	8186	7732	7202	6677	6184	5808	5533	5283
-25.5	6441	6422	6336	6175	5984	5788	5640	5449	5294	5145	4992
-29.0	5316	5320	5315	5293	5261	5213	5147	5068	4994	4892	4762
-33.0	4834	4846	4863	4870	4849	4817	4815	4766	4709	4681	4592
-37.5	4534	4547	4570	4543	4515	4487	4459	4408	4367	4300	4140
-42.5	3281	3303	3329	3289	3205	3034	2839	2629	2377	2054	1584
-47.5	817	815	788	730	640	554	475	414	375	311	248
-55.0	125	120	111	104	101	101	104	105	104	98	79
-65.0	32	33	36	37	36	35	34	32	33	34	34
-75.0	19	19	19	18	18	18	18	18	18	18	17
-85.0	8	9	9	9	9	9	9	9	9	9	10

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	10	10	10	10	9	9	8	7	6	2	0
75.0	19	17	20	17	16	16	14	14	12	10	2
65.0	29	27	25	25	26	22	21	23	14	12	6
55.0	61	48	43	37	34	30	27	22	17	13	6
47.5	156	149	145	125	58	42	38	26	22	13	8
42.5	449	276	242	217	127	60	49	30	24	13	9
37.5	2864	1961	1004	345	186	104	75	35	26	15	10
33.0	4362	4048	3051	1393	317	177	89	42	25	15	10
29.0	4573	4466	4211	3159	984	251	120	53	25	16	11
25.5	4725	4601	4466	4094	2025	348	143	69	25	16	11
22.5	4881	4744	4608	4339	2950	591	142	78	25	16	11
19.5	5082	4906	4730	4474	3683	1066	154	74	26	15	11
17.0	5293	5032	4819	4575	4029	1511	171	75	27	16	11
15.0	5498	5165	4904	4612	4217	1853	209	80	27	16	11
13.0	5793	5333	4979	4653	4280	2186	255	84	28	16	11
11.0	6196	5478	5050	4717	4374	2468	310	89	28	17	11
9.0	6549	5580	5095	4762	4413	2696	340	91	29	17	11
7.0	6966	5668	5117	4783	4450	2848	383	92	29	17	11
5.0	7362	5814	5151	4794	4462	2939	435	93	29	17	12
3.0	7795	5984	5212	4802	4485	3030	460	93	29	17	12
1.0	8082	6098	5254	4800	4529	3097	468	92	29	18	11
0.0	8146	6132	5268	4796	4548	3119	464	91	29	18	11
-1.0	8106	6108	5261	4795	4545	3111	461	91	29	18	11
-3.0	7962	6041	5233	4787	4534	3069	438	90	28	18	11
-5.0	7724	5958	5204	4796	4510	3002	395	88	28	18	11
-7.0	7355	5823	5164	4800	4469	2938	358	85	28	19	11
-9.0	6864	5658	5124	4797	4442	2826	337	84	28	19	11
-11.0	6507	5549	5089	4770	4429	2669	325	81	27	19	11
-13.0	6134	5444	5056	4702	4355	2469	289	76	27	19	11
-15.0	5770	5290	5017	4655	4296	2194	263	72	27	20	11
-17.0	5467	5135	4901	4623	4135	1843	243	71	26	20	11
-19.5	5230	4970	4789	4554	3855	1336	199	70	26	20	11
-22.5	5019	4814	4678	4442	3281	799	156	67	26	19	11
-25.5	4830	4679	4544	4256	2525	432	143	61	25	18	11
-29.0	4657	4534	4363	3710	1447	264	127	58	24	17	11
-33.0	4479	4319	3778	2209	565	224	93	53	23	15	10
-37.5	3783	3088	1866	637	220	129	65	41	21	14	10
42.5	1069	667	372	214	165	79	51	33	21	13	9
-47.5	191	189	156	113	72	47	36	27	19	13	8
-55.0	66	58	56	43	39	34	28	22	18	12	6
-65.0	32	30	28	26	23	22	20	20	14	12	6
-75.0	17	17	17	16	15	16	14	13	12	10	3
-85.0	10	10	9	9	9	9	8	7	6	3	1

Vertical Angle (Degrees)



Isocandela Diagram (Percent of Maximum Intensity)

