



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

## Floodlight Distribution Test Report

Relevant Standards  
IES LM-79-2008, ANSI C82.77-2002, IES LM-35-2002 (Withdrawn)

Prepared For  
**B-K Lighting Inc**  
Daniel Carrejo  
40429 Brickyard Dr  
Madera, CA 93636-9515  
United States

Catalog Number  
**DE-LED-C22-SP-13-4000K**

Order Number

12408683

Test Number

12408683.07A

Revised:

2018-08-17

Test Date

2018-08-17

Prepared By

Khang Nguyen, Technician

Approved By

Eric Gaudreau, Engineering Leader

The results contained in this report pertain only to the tested sample.  
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**Luminaire Description:** White cylindrical metal housing, plastic prismatic reflector, inner patterned glass lens, and outer clear lens  
**Lamp:** LED array  
**Mounting:** Pendant  
**Ballast/Driver:** One (1) EFORE Strato RSLP035-24

**Luminaire**



**Luminaire Characteristics**

Luminous Diameter: 2.75 in.

**Summary of Results**

Total Luminaire Output:	542.2 Lumens
Luminaire Efficacy:	26.2 lm/w
Maximum Candela:	1106 Candela

**Test Conditions**

Test Temperature:	24.4 °C
Voltage:	120.1 VAC
Current:	0.1772 A
Power:	20.66 W
Power Factor:	0.971
Frequency:	60 Hz
Current THD:	19.2 %

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



## Distribution - Goniophotometer

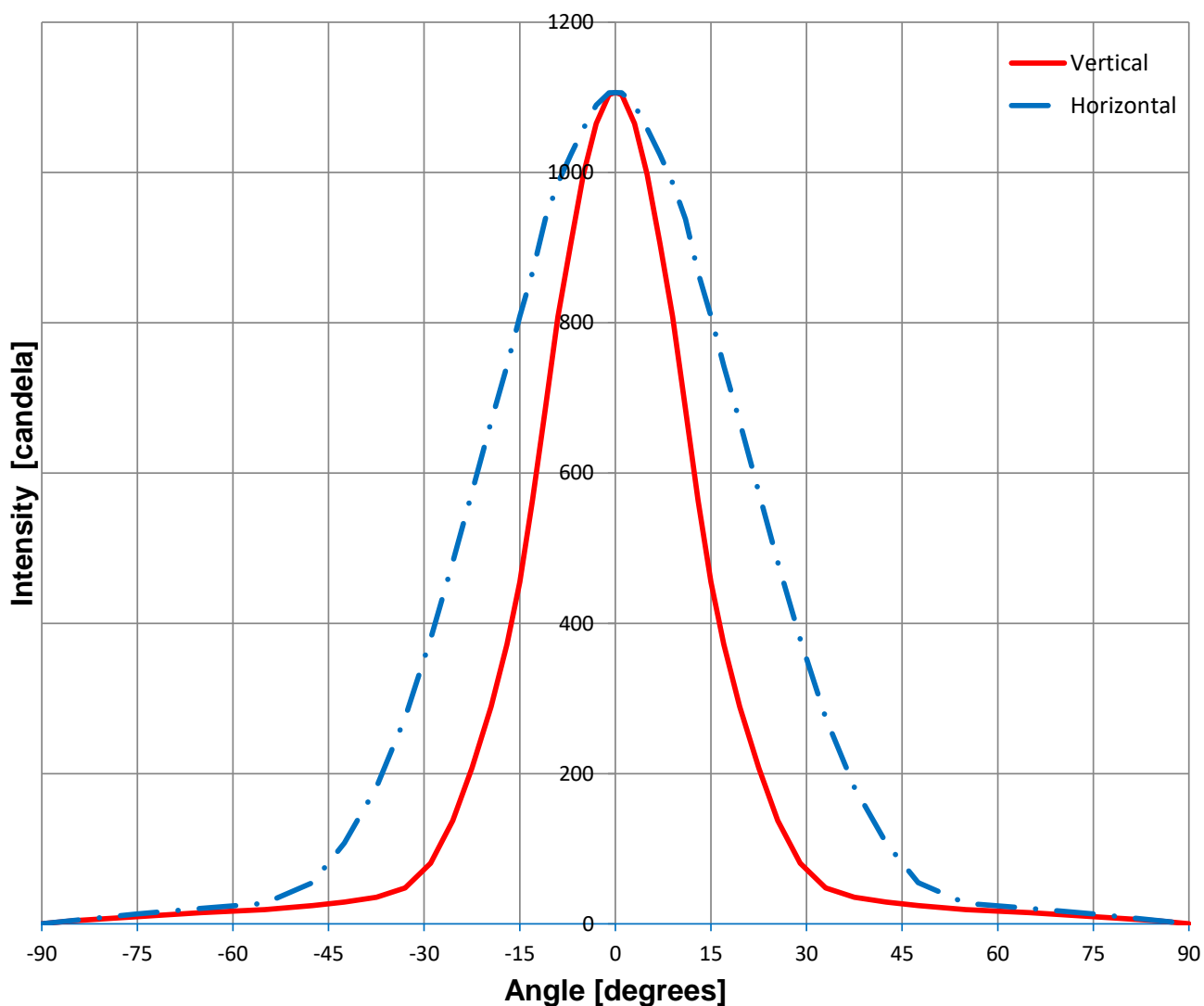
### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	120.1 VAC	0.1772 A	20.66 W	0.971	60 Hz	19.2 %

### Summary of Results

Total Lumen Output:	542.2 Lumens	Maximum Candela:	1106.3 Candela
Luminaire Efficacy:	26.2 Lumens/Watt	Maximum Angle:	0 H 0 V
Field Lumens:	433.8 Lumens	Field Angle :	84.6 H X 54.3 V
Beam Lumens:	225.3 Lumens	Beam Angle :	46.4 H X 26.4 V
Spill Light Lumens:	108.4 Lumens	IESNA Type:	5 H X 4 V

### Maximum Candlepower Plot





### Candela Tabulation

Lateral Angle (Degrees)

Vertical Angle (Degrees)

	0	1	3	5	7	9	11	13	15	17	19.5
85.0	4	4	4	4	4	4	4	4	4	4	4
75.0	10	10	10	10	9	9	9	9	9	9	9
65.0	15	15	15	14	14	14	14	13	13	13	13
55.0	19	19	19	19	19	19	18	18	17	17	17
47.5	24	24	24	24	24	24	23	23	22	22	21
42.5	29	29	29	29	29	28	28	27	27	26	26
37.5	35	35	35	35	35	35	34	33	33	32	31
33.0	48	48	48	48	47	47	47	47	47	46	46
29.0	81	81	82	82	82	82	81	80	78	76	73
25.5	137	137	137	136	135	134	131	127	122	117	108
22.5	207	206	203	201	197	192	186	179	170	160	147
19.5	289	289	285	280	272	262	252	240	226	213	194
17.0	372	371	366	358	346	332	317	301	284	266	242
15.0	455	453	447	435	418	401	382	362	341	320	294
13.0	563	557	551	533	510	487	461	439	412	390	358
11.0	685	680	675	655	625	592	561	529	499	470	430
9.0	808	800	790	768	741	702	658	621	585	547	499
7.0	905	901	891	870	842	803	754	705	661	617	561
5.0	997	994	980	957	924	885	837	779	726	674	609
3.0	1065	1060	1046	1019	986	944	897	833	773	717	645
1.0	1104	1101	1083	1056	1019	979	930	863	801	737	664
0.0	1106	1106	1090	1059	1023	986	938	867	809	743	669
-1.0	1104	1101	1083	1056	1019	979	930	863	801	737	664
-3.0	1065	1060	1046	1019	986	944	897	833	773	717	645
-5.0	997	994	980	957	924	885	837	779	726	674	609
-7.0	905	901	891	870	842	803	754	705	661	617	561
-9.0	808	800	790	768	741	702	658	621	585	547	499
-11.0	685	680	675	655	625	592	561	529	499	470	430
-13.0	563	557	551	533	510	487	461	439	412	390	358
-15.0	455	453	447	435	418	401	382	362	341	320	294
-17.0	372	371	366	358	346	332	317	301	284	266	242
-19.5	289	289	285	280	272	262	252	240	226	213	194
-22.5	207	206	203	201	197	192	186	179	170	160	147
-25.5	137	137	137	136	135	134	131	127	122	117	108
-29.0	81	81	82	82	82	82	81	80	78	76	73
-33.0	48	48	48	48	47	47	47	47	47	46	46
-37.5	35	35	35	35	35	35	34	33	33	32	31
-42.5	29	29	29	29	29	28	28	27	27	26	26
-47.5	24	24	24	24	24	24	23	23	22	22	21
-55.0	19	19	19	19	19	19	18	18	17	17	17
-65.0	15	15	15	14	14	14	14	13	13	13	13
-75.0	10	10	10	10	9	9	9	9	9	9	9
-85.0	4	4	4	4	4	4	4	4	4	4	4



### Candela Tabulation

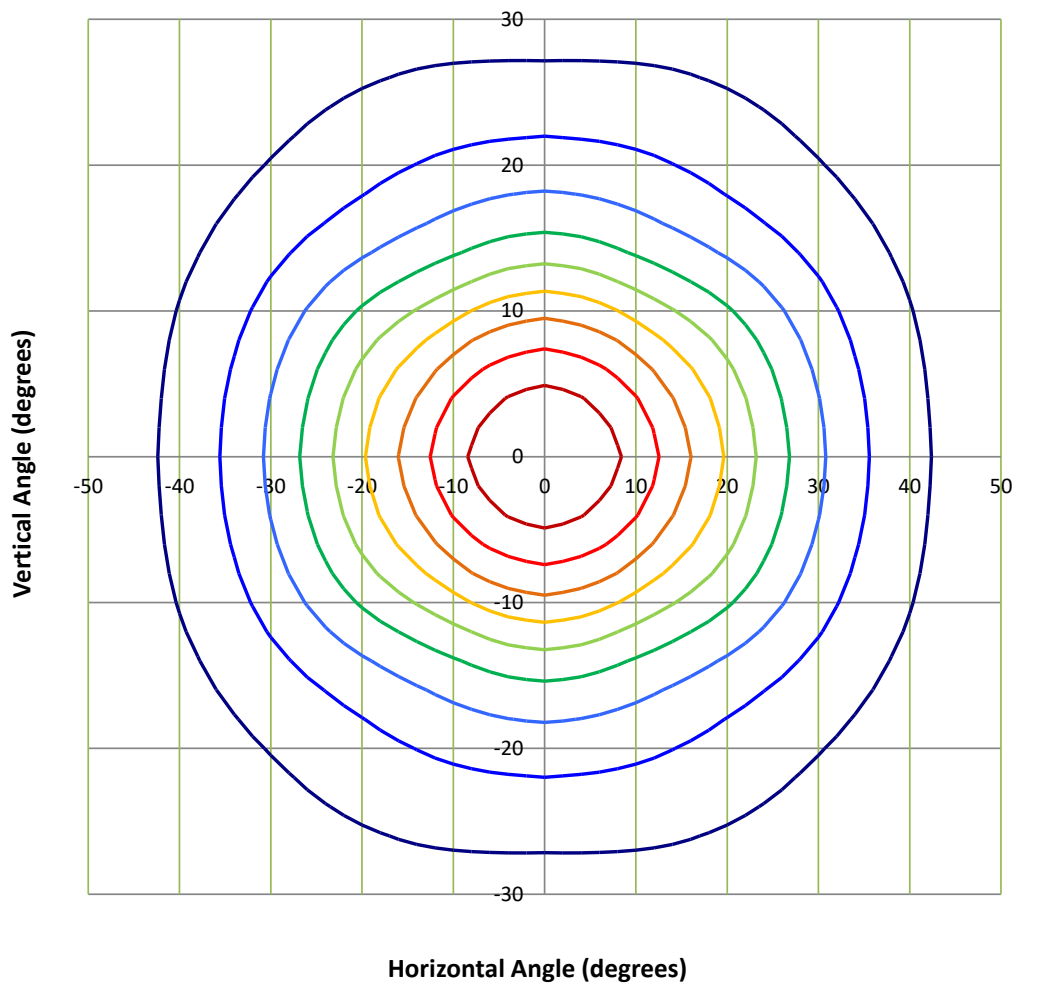
Lateral Angle (Degrees)

Vertical Angle (Degrees)

	22.5	25.5	29	33	37.5	42.5	47.5	55	65	75	85
85.0	4	4	4	4	4	3	3	2	1	1	0
75.0	9	9	9	8	8	7	7	6	5	3	1
65.0	13	13	13	12	12	12	11	9	7	5	1
55.0	17	17	17	16	15	15	14	12	10	7	2
47.5	21	21	21	20	18	16	16	15	12	8	3
42.5	25	24	24	23	21	17	17	16	13	9	3
37.5	31	30	30	29	26	20	18	18	14	10	3
33.0	45	43	41	38	33	25	20	19	16	10	4
29.0	68	64	58	51	43	31	22	20	17	11	4
25.5	98	88	77	65	53	38	25	21	18	11	4
22.5	131	115	98	81	63	45	28	22	18	12	4
19.5	172	149	125	101	77	53	32	23	19	12	4
17.0	215	188	156	123	91	62	35	24	19	12	4
15.0	261	228	187	146	105	69	38	25	20	12	4
13.0	317	274	224	170	120	76	41	25	20	13	4
11.0	379	324	261	195	135	84	45	26	20	13	4
9.0	436	370	296	218	148	91	48	26	20	13	4
7.0	485	410	325	239	161	97	50	27	20	13	4
5.0	526	443	350	255	170	102	53	27	20	13	4
3.0	556	465	369	268	177	105	54	27	20	13	4
1.0	571	478	377	273	181	107	55	27	21	13	4
0.0	574	482	379	274	182	108	55	27	21	13	4
-1.0	571	478	377	273	181	107	55	27	21	13	4
-3.0	556	465	369	268	177	105	54	27	20	13	4
-5.0	526	443	350	255	170	102	53	27	20	13	4
-7.0	485	410	325	239	161	97	50	27	20	13	4
-9.0	436	370	296	218	148	91	48	26	20	13	4
-11.0	379	324	261	195	135	84	45	26	20	13	4
-13.0	317	274	224	170	120	76	41	25	20	13	4
-15.0	261	228	187	146	105	69	38	25	20	12	4
-17.0	215	188	156	123	91	62	35	24	19	12	4
-19.5	172	149	125	101	77	53	32	23	19	12	4
-22.5	131	115	98	81	63	45	28	22	18	12	4
-25.5	98	88	77	65	53	38	25	21	18	11	4
-29.0	68	64	58	51	43	31	22	20	17	11	4
-33.0	45	43	41	38	33	25	20	19	16	10	4
-37.5	31	30	30	29	26	20	18	18	14	10	3
-42.5	25	24	24	23	21	17	17	16	13	9	3
-47.5	21	21	21	20	18	16	16	15	12	8	3
-55.0	17	17	17	16	15	15	14	12	10	7	2
-65.0	13	13	13	12	12	12	11	9	7	5	1
-75.0	9	9	9	8	8	7	7	6	5	3	1
-85.0	4	4	4	4	4	3	3	2	1	1	0



### Isocandela Diagram (Percent of Maximum Intensity)



995 cd (90%) 885 cd (80%) 774 cd (70%) 663 cd (60%) 553 cd (50%)  
442 cd (40%) 331 cd (30%) 221 cd (20%) 110 cd (10%)