



Project:	<input type="text"/>	Date:	<input type="text"/>
Prepared by:	<input type="text"/>		
Comments:	<input type="text"/>		



FEATURES

- 5 Year Warranty
- Direct Replacement for **6-Lamp T5 High Bay Fixture**
- Energy Savings of up to 30%
- Lumen Maintenance over 70% @ 50,000+ Hours
- 120-277V / 50-60 Hz
- No UV/IR Radiation, No Toxic Mercury
- 5000K CCT, Pure White

OPTICS

- Solid State, High-Shock Resistant
- 120° Wide Degree Aluminum Reflector
- Instant-On Light: No Delay in Re-Strike

APPLICATIONS

- Warehouse / Factory Floors
- Parking Garages
- Cold Storage Facilities
- Retail Stores
- Shopping Malls
- Big Box Stores
- Gymnasiums
- Convention Centers

CERTIFICATIONS

- cULus Listed
- DLC Listed for Rebate and Tax Incentive Programs
- IP 65 Rated: No Dust Ingress, Protected against Low-Pressure Water Jets from any Direction

SPECIFICATIONS

Part Number: **HBC100L120D**

Warranty:	5 Years	Certifications:	cULus Listed
Kelvin Temperature (CCT):	5000K	DLC Listed:	Yes
Wattage:	100 W	Expected Life:	50,000 hrs
Lumens:	10,000 lm	Max. Ambient Temperature:	40° C
Efficacy:	100 lm/w	Min. Ambient Temperature:	-20° C
IP Rating:	65	Power Factor:	0.90
Reflector:	120°	CRI:	80
Input Voltage:	AC 120~277V / 50-60 Hz	Rated:	Dry, Damp & Wet

TECHNICAL

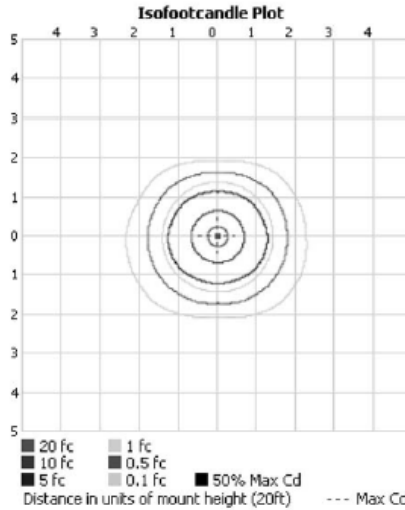
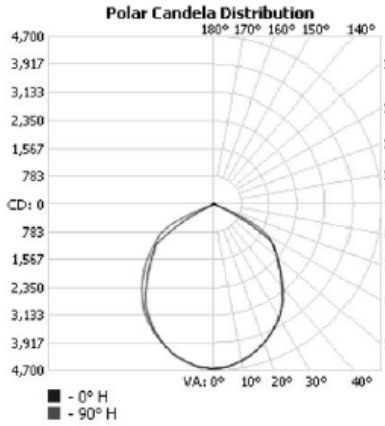
Warranty:	5 Years	R-Value:	50	Diameter:	21.0"
Expected Life:	50,000 hrs	Power Factor:	0.90	Height:	12.125"
Max. Ambient Temp:	40° C	LED Beam Angel:	120° deg.	Weight:	6.82 lbs
Min. Ambient Temp:	-20° C	THD:	<20%	THD:	<20%





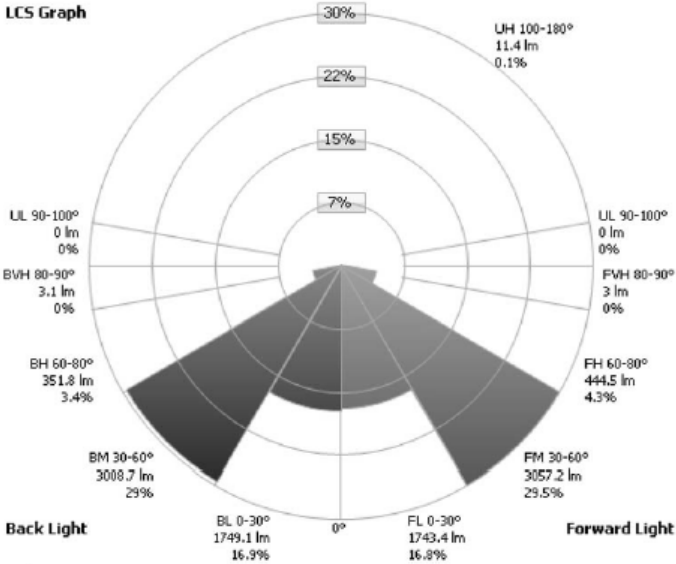
MANUFACTURER: CORDELIA LIGHTING
 TEST LAB: STANDARD-TECH CO. LTD
 TEST DATE: 2015-07-05
 DESCRIPTION: HBC100L120D
 LAMP OUTPUT: TOTAL LUMINAIRE LUMENS: 10370.7, ABSOLUTE PHOTOMETRY *
 INPUT WATTAGE: 96.9
 LUMINOUS OPENING: POINT
 MAX CD: 4,660.7 AT HORIZONTAL: 270°, VERTICAL: 1°
 ROADWAY CLASS: TYPE VS

Project: Date:
 Prepared by:
 Comments:



CANDELA TABLE - TYPE C

0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	4643	4643	4643	4643	4643	4643	4643	4643	4643	4643	4643	4643	4643	4643	4643	4643
5	4608	4611	4597	4610	4609	4589	4595	4629	4639	4636	4605	4585	4607	4598	4592	4611
10	4483	4497	4488	4515	4508	4496	4514	4530	4528	4502	4524	4522	4515	4517	4508	4499
15	4335	4336	4354	4362	4342	4384	4390	4370	4393	4385	4393	4395	4398	4370	4342	4353
20	4170	4139	4185	4159	4170	4171	4192	4193	4197	4202	4190	4202	4206	4192	4184	4162
25	3944	3958	3956	3972	3938	3957	3952	3940	3972	3986	3976	3985	4014	4004	3976	3943
30	3686	3720	3720	3744	3678	3703	3696	3719	3695	3711	3716	3722	3775	3752	3708	3691
35	3405	3454	3430	3456	3377	3397	3376	3393	3383	3423	3413	3437	3502	3485	3445	3420
40	3030	3039	3064	3086	2984	2997	3001	2998	2972	3038	3100	3123	3193	3133	3115	3079
45	2680	2673	2707	2730	2642	2650	2673	2630	2619	2657	2740	2745	2835	2762	2744	2696
50	2347	2344	2386	2405	2339	2355	2371	2310	2291	2317	2398	2393	2487	2477	2402	2345
55	2072	2096	2115	2105	2054	2081	2068	2054	2027	2052	2060	2040	2137	2139	2095	2069
60	1400	1749	1802	1823	1751	1791	1754	1433	1075	1409	1741	1720	1821	1838	1817	1720
65	274	618	1114	1179	917	908	789	280	77	257	758	870	1245	1222	1164	588
70	35	40	60	57	44	49	44	39	37	36	39	42	79	80	71	39
75	22	21	19	18	18	20	22	25	25	23	19	17	17	17	19	20
80	14	13	11	10	9	10	12	16	17	14	11	8	8	9	10	12
85	9	8	5	4	3	4	5	8	10	8	5	3	3	3	5	7
90	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0
115	0	0	0	0	2	2	1	1	1	1	1	2	0	0	0	0
120	0	0	1	1	2	2	2	2	2	2	2	2	1	1	0	0
125	1	1	1	1	3	2	2	2	2	2	2	2	1	1	1	1
130	2	2	1	2	3	3	3	3	3	3	3	3	2	2	1	2
135	2	2	2	2	3	3	4	4	4	4	4	3	2	2	2	2
140	3	2	2	2	4	4	4	4	4	4	4	4	2	2	2	3
145	3	3	3	3	4	5	5	5	5	5	4	4	2	3	2	3
150	4	4	3	3	5	5	5	5	6	6	5	5	3	3	3	4
155	5	4	4	4	5	6	6	6	6	6	6	6	3	4	4	5
160	5	5	4	4	6	6	6	6	6	6	6	6	4	4	4	5
165	5	5	5	5	6	6	6	7	7	7	7	7	4	5	5	5
170	6	6	6	6	6	6	6	7	7	7	7	7	5	5	5	6
175	6	6	6	6	6	6	6	7	7	7	7	7	6	6	6	6
180	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	3,492.5	33.7%
0-40	5,626.5	54.3%
0-60	9,557.1	92.2%
60-90	802.2	7.7%
70-100	30.2	0.3%
90-120	1.0	0%
0-90	10,359.3	99.9%
90-180	11.4	0.1%
0-180	10,370.7	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	436.3	4.2%	90-100	0.0	0%
10-20	1,230.8	11.9%	100-110	0.2	0%
20-30	1,825.4	17.6%	110-120	0.8	0%
30-40	2,134.0	20.6%	120-130	1.6	0%
40-50	2,087.0	20.1%	130-140	2.1	0%
50-60	1,843.6	17.8%	140-150	2.3	0%
60-70	772.0	7.4%	150-160	2.3	0%
70-80	24.1	0.2%	160-170	1.6	0%
80-90	6.1	0.1%	170-180	0.6	0%

ROADWAY SUMMARY

DISTRIBUTION:		TYPE VS	
MAX CD, 90 DEG VERT:			1.8
MAX CD, 80 TO <90 DEG:			16.7
		LUMENS	% LAMP
DOWNWARD STREET SIDE:	5,248.2		50.6%
DOWNWARD HOUSE SIDE:	5,112.7		49.3%
DOWNWARD TOTAL:	10,360.9		99.9%
UPWARD STREET SIDE:	4.4		0%
UPWARD HOUSE SIDE:	7.0		0.1%
UPWARD TOTAL:	11.4		0.1%
TOTAL LUMENS:	10,372.3		100%

LCS TABLE

BUG RATING		B3 - U2 - G0	
FORWARD LIGHT		LUMENS	LUMENS %
LOW(0-30):	1,743.4		16.8%
MEDIUM(30-60):	3,057.2		29.5%
HIGH(60-80):	444.5		4.3%
VERY HIGH(80-90):	3.0		0%
BACK LIGHT		LUMENS	LUMENS %
LOW(0-30):	1,749.1		16.9%
MEDIUM(30-60):	3,008.7		29%
HIGH(60-80):	351.8		3.4%
VERY HIGH(80-90):	3.1		0%
UPLIGHT		LUMENS	LUMENS %
LOW(90-100):	0.0		0%
HIGH(100-180):	11.4		0.1%
TRAPPED LIGHT:	0		0%

Scale = Max LCS %
 Trapped Light: 0lm, 0%