

Luminaire Photograph

LED Flood Light FL225B 225*185*126
FEELIGHT TECH CO., LIMITED



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Ivy
Test Date:2010-10-22

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:9.900m [K=1.0000]
Remarks: FL225B-20W, 90LM/W

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

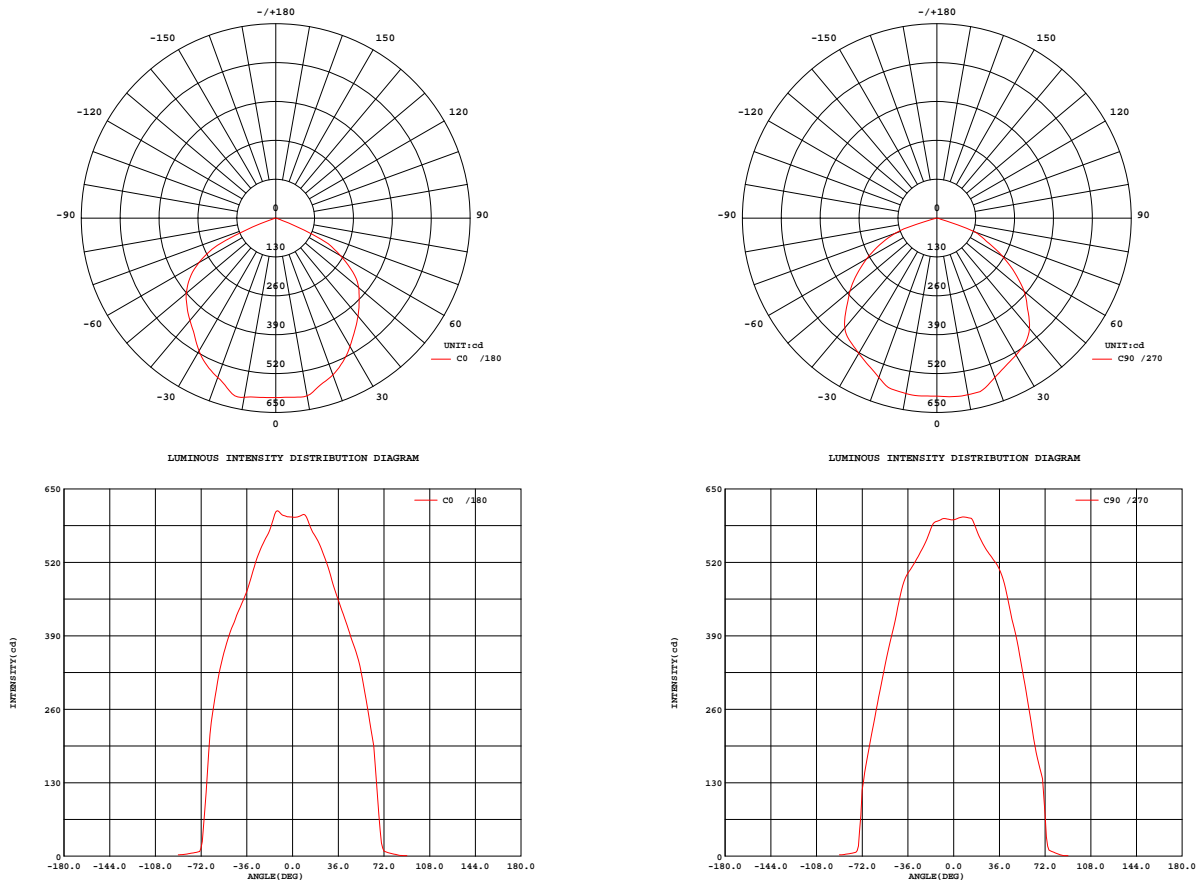


Fig. C0/C180

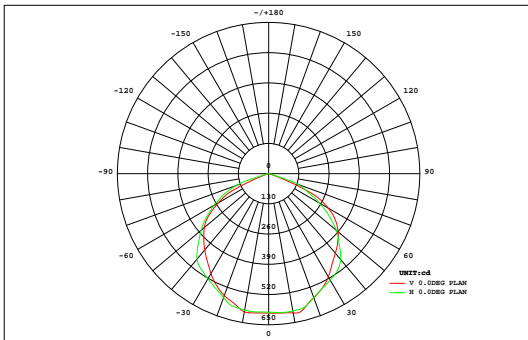
Fig. C90/C270

H(β) Range:-90 - 90DEG
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Test Speed: HIGH
Temperature:30DEG
Operators:Ivy
Test Date:2010-10-22

V(B) Range:-90 - 90DEG
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Humidity:65%
Test Distance:9.900m [K=1.0000]
Remarks: FL225B-20W, 90LM/W

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.8V I:0.1290A P:27.20W PF:0.9450 Lamp Flux:1800x1 lm		
NAME: LED Flood Light	TYPE:FL225B	WEIGHT:2.5KG
DIMENSION:	SPECIFICATION:225*185*125	SERIAL No.:2010112201
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	FL225B-20W	Imax(cd)	611.4
NOMINAL POWER(W)	26	AVAILABILITY(%)	90.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1626
NOMINAL FLUX(lm)	1800.0	EFFICIENCY(%)	91.2
LAMPS INSIDE	1	TOTAL FLUX(lm)	1642
TEST VOLTAGE(V)	219.8	θ @50%(H,V)	115,112DEG

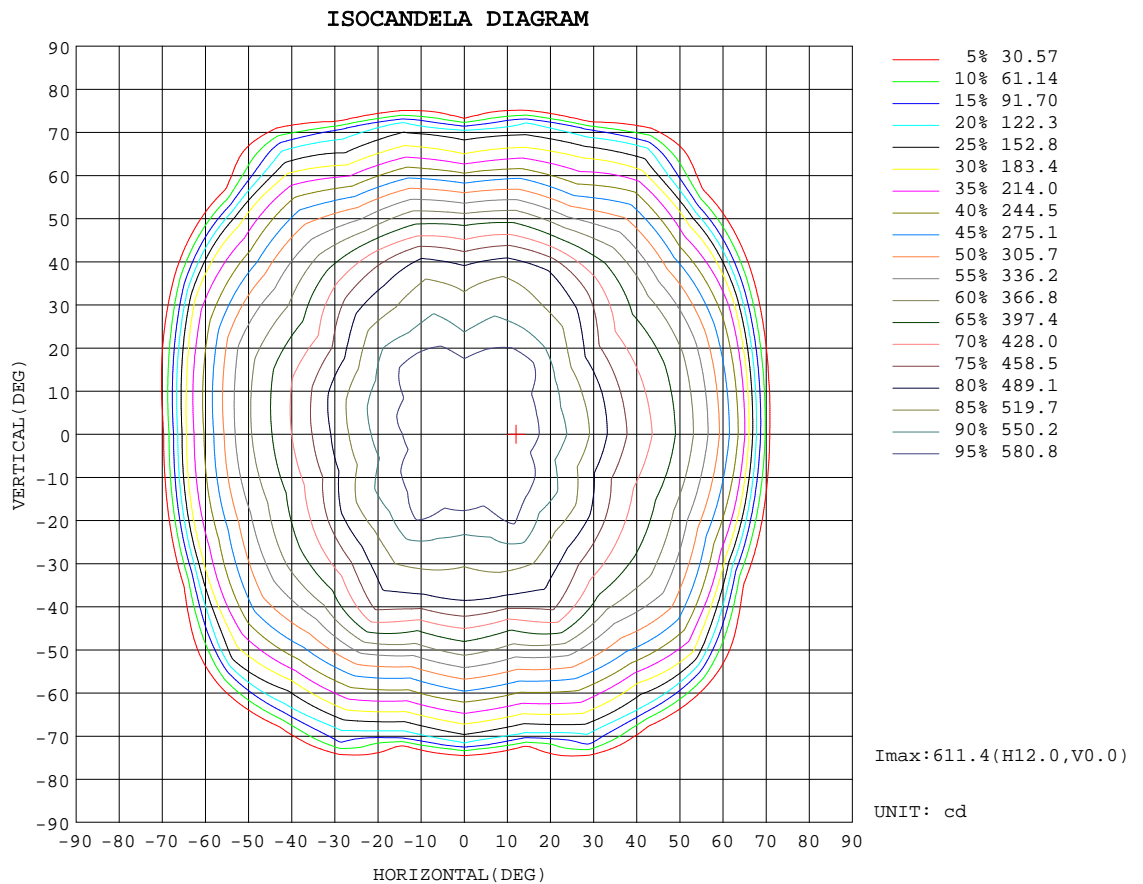
VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm	Φ t	Φ a		
	0.00	0.01	0.01	0.03	0.05	0.06	0.07	0.09	0.08	0.08	0.09	0.07	0.05	0.04	0.02	0.01	0.01	0.00	0.77	0.00
90	0.00	0.01	0.01	0.03	0.05	0.06	0.07	0.09	0.08	0.08	0.09	0.07	0.05	0.04	0.02	0.01	0.01	0.00	0.77	0.00
80	0.00	0.01	0.03	0.08	0.23	0.49	0.95	1.56	1.33	1.33	1.56	0.93	0.46	0.19	0.06	0.03	0.01	0.01	9.25	5.89
70	0.00	0.02	0.07	0.31	2.03	3.65	4.65	5.89	5.97	5.93	5.85	4.92	3.91	2.14	0.29	0.05	0.02	0.01	45.7	44.6
60	0.00	0.03	0.11	1.25	4.23	6.32	7.73	9.37	9.82	9.81	9.38	7.85	6.59	4.38	1.22	0.09	0.03	0.01	78.2	77.5
50	0.00	0.04	0.48	3.09	5.83	8.38	10.5	12.5	13.3	13.3	12.7	10.7	8.71	6.08	3.09	0.43	0.04	0.01	109	109
40	0.01	0.05	1.27	4.29	7.00	9.71	12.5	14.7	15.7	15.7	15.0	12.9	10.1	7.31	4.49	1.21	0.04	0.01	132	132
30	0.01	0.06	1.82	5.10	7.84	10.5	13.6	15.9	16.8	16.8	16.0	13.8	10.7	8.18	5.37	1.93	0.06	0.01	145	144
	0.01	0.08	2.07	5.47	8.41	11.2	14.3	16.9	18.1	18.1	17.1	14.4	11.4	8.72	5.87	2.39	0.09	0.01	155	154
	0.01	0.08	2.11	5.52	8.55	11.6	14.7	17.1	18.2	18.2	17.3	14.8	11.8	8.98	6.08	2.59	0.10	0.01	158	158
	0.01	0.07	2.02	5.40	8.40	11.3	14.4	16.9	18.1	18.2	17.3	14.7	11.7	8.90	5.99	2.49	0.10	0.01	156	156
	0.01	0.06	1.80	5.11	8.05	11.0	14.2	16.8	17.9	17.9	16.9	14.4	11.3	8.51	5.58	2.08	0.07	0.01	152	151
-30	0.01	0.05	1.35	4.66	7.65	10.5	13.4	15.8	16.6	16.6	15.9	13.5	10.7	8.08	5.00	1.41	0.05	0.01	141	141
-40	0.01	0.05	0.76	4.07	6.98	9.47	12.4	14.6	15.2	15.3	14.6	12.5	9.76	7.43	4.31	0.72	0.05	0.01	128	128
-50	0.00	0.04	0.38	3.07	5.78	8.00	10.6	12.0	12.7	12.7	12.0	10.7	8.24	6.15	3.23	0.35	0.04	0.01	106	106
-60	0.00	0.03	0.14	1.60	3.88	5.92	7.82	8.66	9.54	9.61	8.84	8.02	6.14	4.09	1.58	0.12	0.03	0.01	76.0	75.3
-70	0.00	0.03	0.07	0.25	1.34	3.23	4.68	5.16	6.02	6.09	5.35	4.93	3.42	1.34	0.22	0.07	0.03	0.01	42.2	40.9
-80	0.00	0.02	0.05	0.08	0.12	0.48	0.94	0.76	1.22	1.23	0.79	1.03	0.52	0.12	0.08	0.05	0.02	0.01	7.52	4.16
-90	0.00	0.02	0.03	0.05	0.06	0.08	0.09	0.09	0.10	0.10	0.09	0.09	0.08	0.06	0.05	0.03	0.02	0.01	1.05	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.08	0.73	14.6	49.4	86.4	122	158	185	197	197	187	160	126	90.7	52.5	16.1	0.81	0.14	1642	---
Φ a	0.00	0.00	12.8	48.2	85.5	121	157	184	196	196	186	160	125	89.8	51.4	14.5	0.00	0.00	---	1626

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V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:9.900m [K=1.0000]
Remarks: FL225B-20W, 90LM/W

ISOCANDELA DIAGRAM

Test:U:221.8V I:0.1290A P:27.20W PF:0.9450 Lamp Flux:1800x1 lm		
NAME: LED Flood Light	TYPE:FL225B	WEIGHT:2.5KG
DIMENSION:	SPECIFICATION:225*185*125	SERIAL No.:2010112201
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

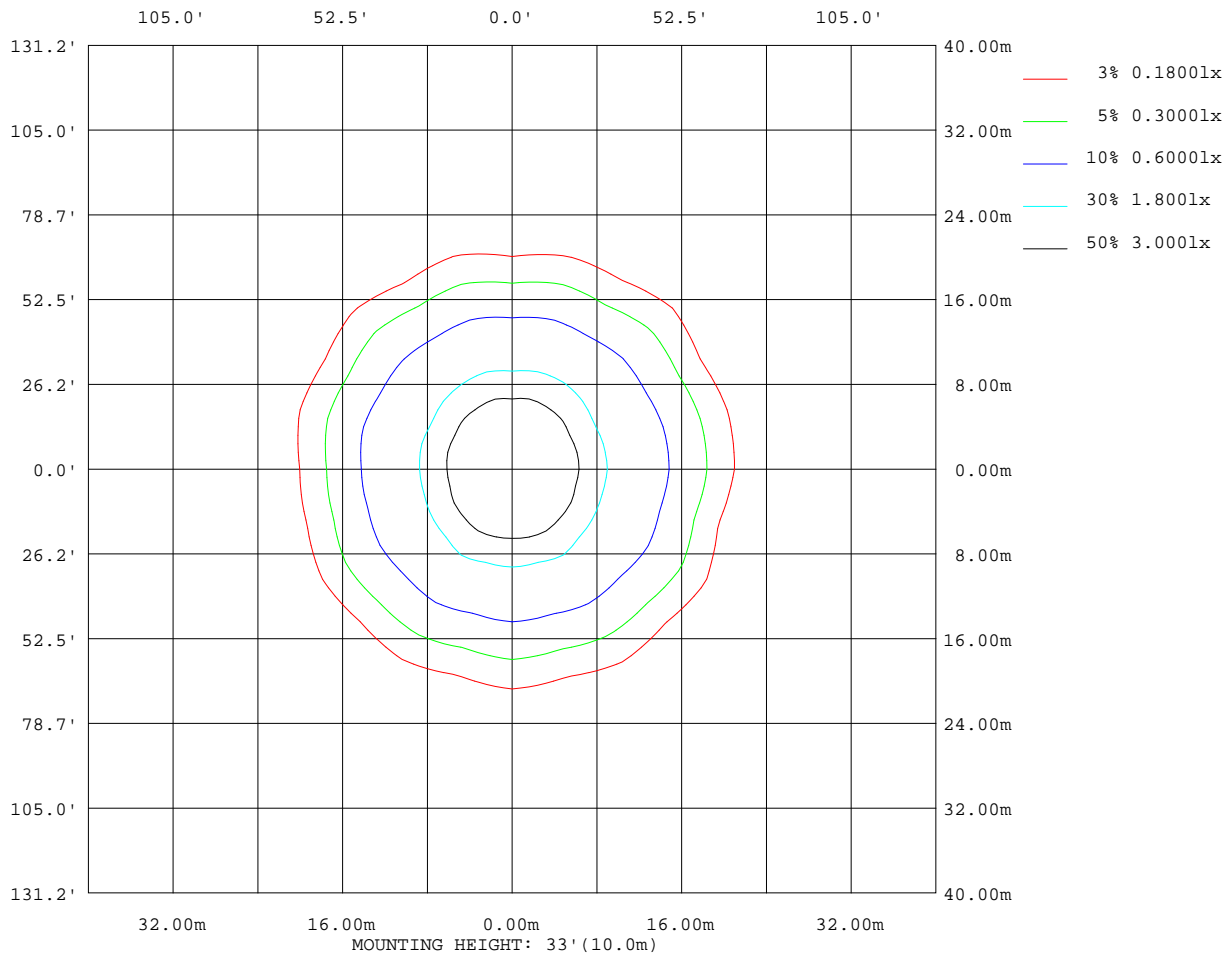


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Humidity:65%
Test Distance:9.900m [K=1.0000]
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ISOLUX DIAGRAM

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DIMENSION:	SPECIFICATION:225*185*125	SERIAL No.:2010112201
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



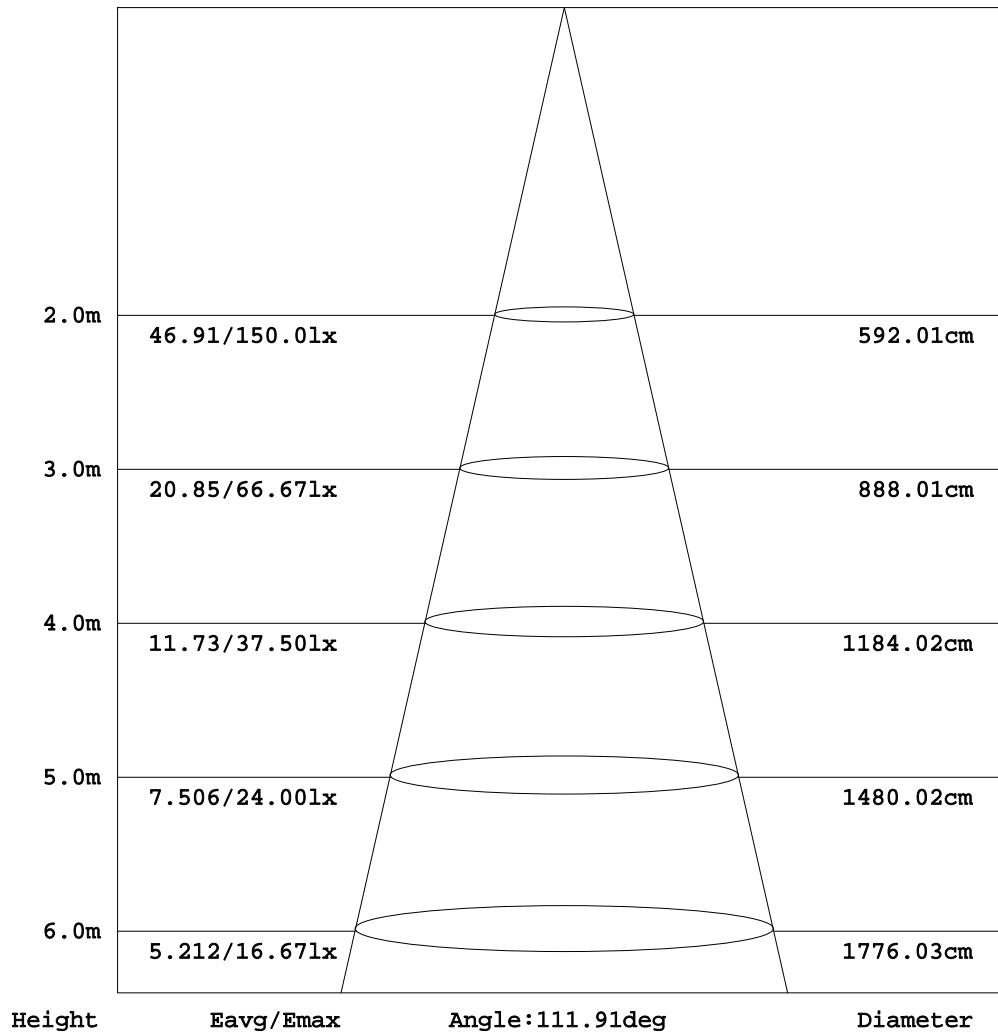
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Ivy
Test Date:2010-10-22

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
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Remarks: FL225B-20W, 90LM/W

AAI Figure

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NAME: LED Flood Light	TYPE:FL225B	WEIGHT:2.5KG
DIMENSION:	SPECIFICATION:225*185*125	SERIAL No.:2010112201
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

Flux out:1296 lm



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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Operators:Ivy
Test Date:2010-10-22

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LUMINOUS DISTRIBUTION INTENSITY DATA

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MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

Table--1

UNIT: cd

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.95	1.43	1.91	2.39	2.39	2.40	2.40	2.40	2.40	2.40	2.41	2.41	2.42	2.41	2.39	2.38	2.39	2.40	2.41
-85	0.95	1.43	1.90	2.38	2.42	2.48	2.58	2.58	2.56	2.53	2.72	2.93	3.16	3.04	2.90	2.73	2.97	3.21	3.44
-80	0.95	1.42	1.90	2.40	2.58	2.90	3.35	3.50	3.56	3.57	3.88	4.22	4.56	4.58	4.56	4.52	4.82	5.11	5.37
-75	0.95	1.42	1.91	2.47	2.91	3.67	4.44	4.76	4.87	4.88	5.40	7.34	13.2	21.0	18.7	8.43	9.94	14.0	18.0
-70	0.95	1.41	1.96	2.62	3.55	4.56	5.55	6.06	6.23	6.54	27.0	67.1	101	102	101	102	117	134	148
-65	0.95	1.40	2.03	3.05	4.27	5.46	6.64	7.52	20.3	57.7	99.7	134	158	172	175	175	186	200	211
-60	0.95	1.40	2.10	3.49	4.95	6.37	8.66	31.2	84.4	131	153	187	215	232	235	237	246	260	270
-55	0.95	1.40	2.34	3.98	5.66	7.30	23.3	91.1	153	180	208	239	265	287	293	294	301	315	326
-50	0.95	1.41	2.55	4.41	6.34	10.3	52.0	148	196	229	257	284	311	339	351	353	356	370	379
-45	0.95	1.44	2.76	4.84	6.97	16.8	88.4	179	236	271	297	319	351	387	411	410	406	420	429
-40	0.95	1.45	3.00	5.24	7.49	21.3	121	213	267	303	328	352	385	427	465	464	463	474	479
-35	0.95	1.46	3.22	5.58	7.99	31.4	157	235	288	328	354	380	407	450	485	498	502	505	504
-30	0.95	1.46	3.40	5.88	8.50	61.2	190	252	304	343	374	403	433	467	500	521	525	526	522
-25	0.95	1.46	3.54	6.12	9.25	91.8	207	266	318	356	388	420	453	486	515	540	549	546	543
-20	0.95	1.44	3.64	6.30	12.9	119	222	279	329	366	399	432	471	506	532	558	579	567	567
-15	0.95	1.42	3.71	6.45	17.2	140	233	292	341	372	405	440	481	521	548	569	596	592	591
-10	0.95	1.40	3.74	6.53	21.0	155	242	303	351	382	414	444	482	521	553	578	599	597	596
-5	0.95	1.37	3.72	6.55	23.2	163	247	310	358	390	423	454	490	523	550	573	599	597	597
0	0.95	1.33	3.67	6.49	23.7	165	249	314	362	394	428	460	496	530	558	577	603	601	600
5	0.95	1.35	3.72	6.56	29.8	170	253	318	363	397	430	464	501	535	562	583	603	599	599
10	0.95	1.36	3.72	6.56	33.3	170	253	318	363	396	429	461	499	531	557	578	605	603	600
15	0.95	1.37	3.68	6.48	33.2	167	250	315	360	392	422	450	484	518	552	581	600	602	594
20	0.95	1.37	3.61	6.34	29.4	158	244	308	353	380	407	433	464	508	543	562	576	582	567
25	0.95	1.36	3.49	6.15	21.0	142	234	293	338	364	389	417	457	497	525	539	553	558	545
30	0.95	1.34	3.32	5.91	14.5	118	219	271	317	347	371	406	445	481	504	521	537	539	529
35	0.95	1.31	3.11	5.61	9.43	88.9	198	245	290	325	357	389	425	456	481	502	520	520	513
40	0.95	1.26	2.87	5.25	7.69	50.9	158	217	259	301	337	367	395	424	452	475	495	490	482
45	0.95	1.20	2.62	4.80	7.06	19.5	100	186	226	272	310	339	358	379	403	425	440	438	429
50	0.95	1.14	2.36	4.30	6.39	8.60	44.9	127	194	239	277	301	317	332	354	374	385	385	381
55	0.95	1.08	2.08	3.77	5.61	7.43	12.8	54.0	143	200	239	255	266	279	302	321	330	325	318
60	0.95	1.05	1.78	3.22	4.66	6.28	8.09	20.2	80.5	147	191	202	209	220	243	262	266	260	251
65	0.95	1.01	1.55	2.69	3.75	4.91	6.42	12.6	43.2	97.8	136	149	155	166	185	201	201	194	184
70	0.95	0.99	1.32	2.11	2.88	3.63	4.55	6.30	11.6	33.3	58.2	78.7	101	117	135	151	148	143	137
75	0.95	0.97	1.13	1.61	2.00	2.46	2.97	4.19	5.63	7.09	8.06	9.05	8.44	11.6	17.4	30.8	30.6	22.5	11.0
80	0.95	0.96	1.02	1.20	1.34	1.46	1.59	2.47	3.48	4.54	4.67	4.64	4.55	5.17	5.84	6.48	6.38	6.17	5.91
85	0.95	0.95	0.97	1.01	1.02	1.01	0.99	1.27	1.70	2.24	2.10	1.88	1.66	2.10	2.54	2.97	2.59	2.17	1.71
90	0.95	0.95	0.95	0.95	0.94	0.94	0.93	0.94	0.96	0.97	0.97	0.97	0.96	0.97	0.97	0.97	0.97	0.96	0.96

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Table--2

UNIT: cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	2.40	2.40	2.39	2.39	2.40	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.42	2.42	2.42	2.43	2.44	2.45
-85	3.24	3.02	2.81	2.98	3.13	3.25	2.99	2.74	2.53	2.59	2.62	2.64	2.53	2.46	2.43	2.44	2.44	2.45
-80	5.09	4.78	4.48	4.59	4.67	4.69	4.36	3.99	3.63	3.56	3.47	3.31	2.95	2.63	2.45	2.48	2.45	2.45
-75	13.8	9.62	8.21	20.6	23.6	14.5	8.02	5.63	4.99	4.86	4.65	4.27	3.58	2.90	2.59	2.51	2.48	2.45
-70	137	121	103	105	111	108	70.3	27.2	6.51	6.20	5.84	5.30	4.35	3.46	2.74	2.61	2.52	2.45
-65	202	191	182	183	182	169	144	103	54.4	17.8	7.17	6.30	5.15	4.03	3.20	2.76	2.55	2.45
-60	262	251	243	243	240	223	195	163	136	82.2	27.1	7.33	5.99	4.63	3.57	2.91	2.57	2.45
-55	318	307	301	300	294	274	248	216	192	159	86.8	20.3	6.77	5.26	4.05	3.19	2.60	2.45
-50	370	358	356	354	345	319	293	269	244	211	150	48.5	9.07	5.87	4.51	3.45	2.66	2.45
-45	419	404	409	413	391	358	328	311	288	256	189	83.2	15.3	6.43	4.96	3.68	2.74	2.45
-40	474	463	463	464	431	392	363	344	323	287	225	120	18.6	7.04	5.40	3.92	2.81	2.45
-35	506	504	498	485	454	417	392	370	350	309	250	154	26.0	7.65	5.79	4.15	2.89	2.45
-30	527	527	521	500	470	440	414	390	364	327	271	189	59.0	8.64	6.14	4.39	2.96	2.45
-25	546	552	544	518	490	459	430	403	376	341	286	219	96.2	11.4	6.43	4.59	3.02	2.45
-20	565	583	562	534	511	478	442	414	387	352	304	242	132	17.2	6.68	4.76	3.08	2.45
-15	590	599	575	552	528	488	450	421	395	364	321	261	163	27.0	6.92	4.90	3.13	2.45
-10	597	607	590	559	529	491	455	430	405	376	335	277	187	38.8	7.11	5.01	3.18	2.45
-5	600	606	585	557	534	502	467	440	414	385	344	288	204	48.3	7.23	5.09	3.21	2.45
0	602	608	598	567	544	513	475	447	420	390	351	295	216	54.5	7.30	5.14	3.23	2.45
5	598	606	593	563	539	510	473	443	417	389	350	293	214	54.3	7.17	5.06	3.18	2.45
10	602	605	587	559	533	502	466	437	413	385	345	288	206	49.8	6.98	4.94	3.13	2.45
15	601	602	593	555	520	487	455	429	406	378	338	279	195	41.2	6.73	4.80	3.06	2.45
20	579	581	567	543	511	470	440	417	396	368	327	267	174	31.1	6.43	4.63	2.98	2.45
25	556	556	545	530	505	465	427	403	381	352	309	251	147	19.9	6.13	4.43	2.89	2.45
30	539	539	528	514	492	457	419	387	363	331	286	230	115	12.7	5.79	4.19	2.80	2.45
35	522	525	514	500	472	438	403	373	339	304	258	201	79.0	8.01	5.44	3.91	2.69	2.45
40	491	496	486	470	436	407	382	351	314	271	225	151	44.0	6.39	5.04	3.64	2.58	2.45
45	439	444	431	411	389	370	354	323	284	234	186	93.7	16.2	5.75	4.56	3.35	2.47	2.45
50	386	388	378	359	338	325	313	289	249	197	121	42.0	6.67	5.19	4.06	3.05	2.36	2.45
55	325	328	320	302	280	273	266	251	208	142	54.1	10.5	5.81	4.61	3.55	2.74	2.26	2.45
60	260	265	261	245	228	222	215	202	153	85.2	18.7	6.15	5.02	3.89	2.99	2.45	2.20	2.45
65	193	199	199	190	180	170	160	147	105	43.5	10.9	5.03	4.07	3.16	2.47	2.16	2.14	2.45
70	141	144	147	136	119	102	79.8	59.1	32.5	9.78	4.92	3.79	3.05	2.43	2.00	1.89	2.08	2.45
75	23.0	31.5	32.0	17.5	10.7	7.26	7.42	6.06	5.22	4.32	3.39	2.50	2.12	1.80	1.54	1.69	2.02	2.45
80	6.41	6.85	7.13	6.02	4.93	3.95	3.82	3.72	3.59	2.85	2.12	1.48	1.38	1.28	1.19	1.56	1.98	2.45
85	2.19	2.64	3.04	2.54	2.06	1.60	1.71	1.82	1.91	1.53	1.21	0.99	1.01	1.01	1.01	1.48	1.96	2.45
90	0.97	0.97	0.98	0.97	0.97	0.97	0.97	0.97	0.98	0.97	0.96	0.95	0.95	0.96	0.96	1.46	1.95	2.45

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:Ivy
Test Date:2010-10-22

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:9.900m [K=1.0000]
Remarks: FL225B-20W, 90LM/W

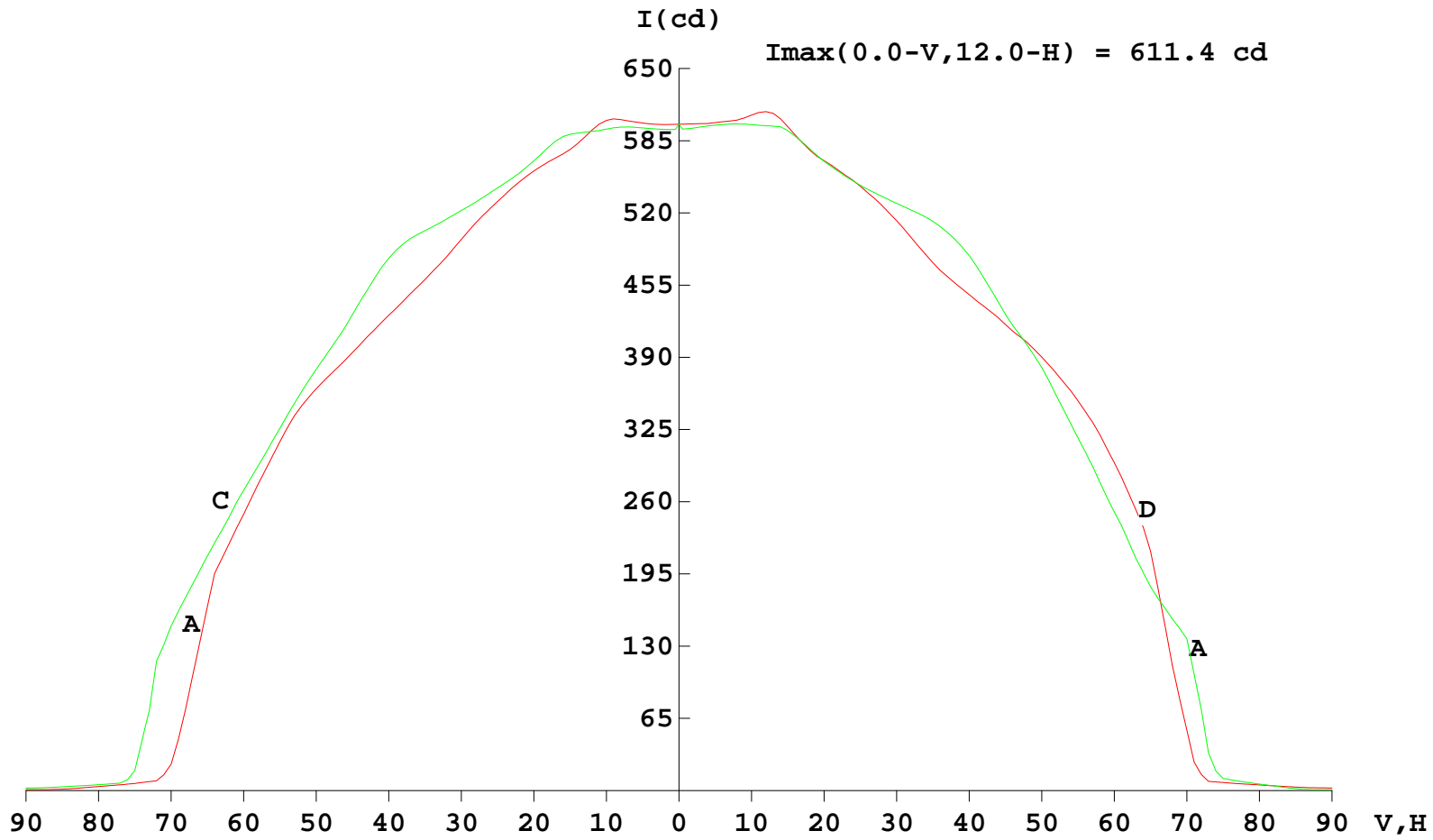
50% Beam Angle : 115°-H X 112°-V

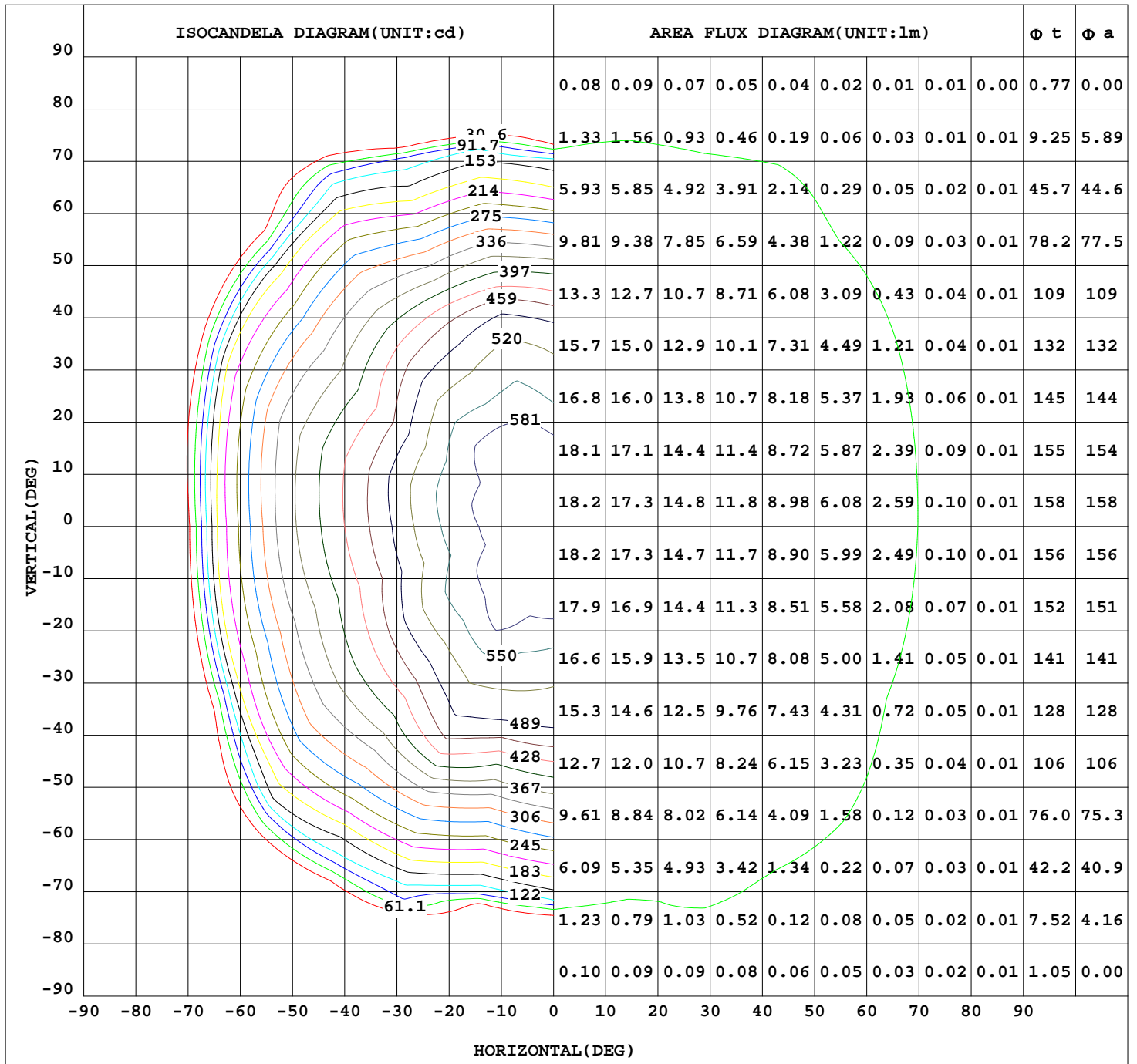
TOTAL FLUX : 1642 lm

EFFICIENCY : 91.2%

AVAILABILITY FLUX : 1626 lm

AVAILABILITY : 90.3%





	ISOCANDELA DIAGRAM(UNIT:cd)										AREA FLUX DIAGRAM(UNIT:lm)								Φt	Φa
	0.08	0.73	14.6	49.4	86.4	122	158	185	197	197	187	160	126	90.7	52.5	16.1	0.81	0.14	1642	---
Φt	0.08	0.73	14.6	49.4	86.4	122	158	185	197	197	187	160	126	90.7	52.5	16.1	0.81	0.14	1642	---
Φa	0	0	12.8	48.2	85.5	121	157	184	196	196	186	160	125	89.8	51.4	14.5	0	0	---	1626