

Luminaire Photograph

LED FLOOD LIGHT FL225 LED
FEELIGHT TECH CO., LIMITED



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-10-29

V(B) Range:-180 - 180DEG
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-30W, 90LM/W

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

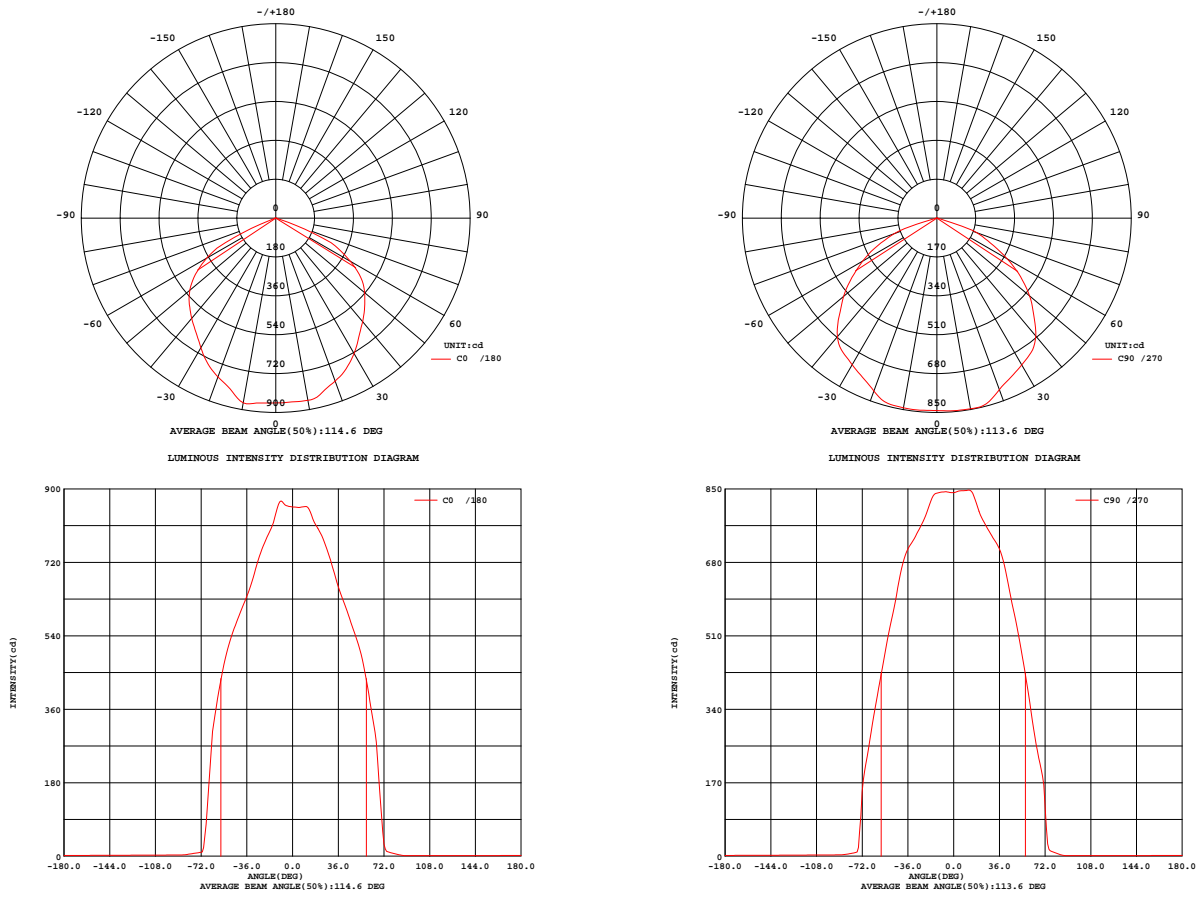


Fig. C0/C180

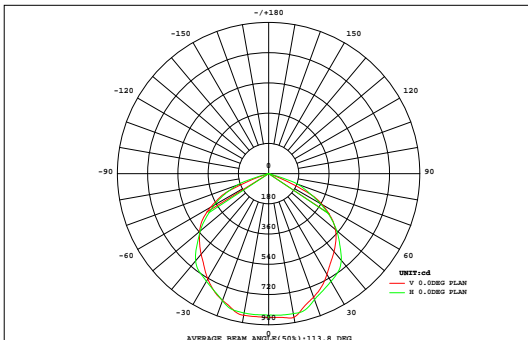
Fig. C90/C270

H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:IVY
 Test Date:2010-10-29

V(B) Range:-180 - 180DEG
 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-30W, 90LM/W

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:218.5V I:0.1700A P:35.60W PF:0.9570 Lamp Flux:2600x1 lm		
NAME: LED FLOOD LIGHT	TYPE:FL225	WEIGHT:3KG
DIMENSION:	SPECIFICATION:LED	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	FL225B-30W	Imax(cd)	870.4
NOMINAL POWER(W)	36	AVAILABILITY(%)	87.7
RATED VOLTAGE(V)	218	Avai. FLUX(lm)	2281
NOMINAL FLUX(lm)	2600.0	EFFICIENCY(%)	89.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2315
TEST VOLTAGE(V)	218.8	θ @50%(H,V)	115,111DEG

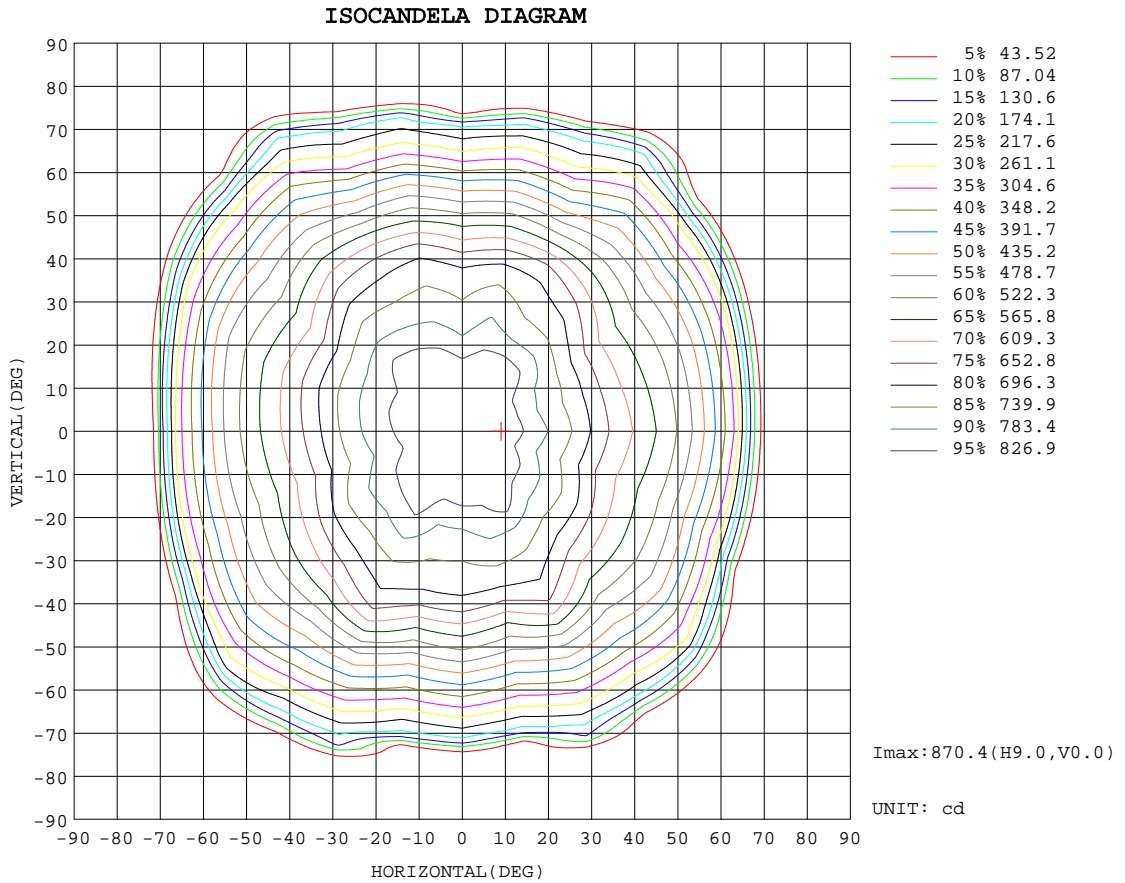
VERTICAL(DEG)	AREA FLUX DIAGRAM															UNIT:lm		Φ t	Φ a	
	0.00	0.02	0.03	0.05	0.08	0.09	0.11	0.13	0.12	0.11	0.12	0.08	0.06	0.05	0.03	0.02	0.01			0.01
90	0.00	0.02	0.03	0.05	0.08	0.09	0.11	0.13	0.12	0.11	0.12	0.08	0.06	0.05	0.03	0.02	0.01	0.01	1.11	0.00
80	0.00	0.03	0.06	0.13	0.57	1.16	1.79	2.62	2.12	1.85	1.91	0.97	0.40	0.16	0.07	0.03	0.01	0.01	13.9	9.22
70	0.01	0.04	0.11	0.68	3.76	5.86	7.00	8.47	8.43	8.19	7.82	6.09	4.56	2.21	0.24	0.05	0.02	0.01	63.5	61.9
60	0.01	0.06	0.30	2.75	6.77	9.53	11.4	13.5	13.9	13.6	12.6	10.2	8.43	5.25	0.99	0.08	0.03	0.01	109	108
50	0.01	0.07	1.29	5.19	8.93	12.4	15.4	17.9	18.6	18.4	17.2	14.3	11.4	7.75	3.38	0.25	0.04	0.01	152	152
40	0.01	0.11	2.53	6.72	10.4	14.3	18.3	20.9	22.0	21.9	20.6	17.3	13.3	9.43	5.48	0.96	0.05	0.01	184	184
30	0.01	0.17	3.28	7.79	11.5	15.3	19.8	22.7	23.7	23.7	22.0	18.7	14.3	10.7	6.74	1.86	0.05	0.01	202	202
20	0.01	0.22	3.66	8.29	12.4	16.4	20.8	24.3	25.5	25.5	23.5	19.4	15.2	11.6	7.48	2.49	0.06	0.01	217	216
10	0.01	0.22	3.76	8.39	12.6	16.9	21.3	24.5	25.7	25.7	23.7	20.2	15.9	12.0	7.84	2.78	0.07	0.01	222	221
0	0.01	0.19	3.67	8.25	12.4	16.5	20.9	24.2	25.5	25.8	23.8	20.0	15.8	12.0	7.72	2.65	0.07	0.01	219	219
-10	0.01	0.15	3.38	7.85	11.8	16.0	20.6	23.9	25.2	25.4	23.3	19.6	15.2	11.4	7.08	2.07	0.06	0.01	213	213
-20	0.01	0.10	2.75	7.24	11.3	15.3	19.5	22.6	23.3	23.6	22.0	18.4	14.5	10.7	6.16	1.21	0.06	0.01	199	198
-30	0.01	0.07	1.82	6.48	10.4	14.0	18.0	20.7	21.5	21.5	20.3	17.0	13.1	9.66	5.07	0.53	0.05	0.01	180	180
-40	0.01	0.06	0.97	5.23	8.80	11.8	15.4	17.2	18.0	17.8	16.6	14.5	10.9	7.73	3.59	0.26	0.04	0.01	149	148
-50	0.01	0.05	0.35	3.30	6.40	9.03	11.5	12.4	13.4	13.3	12.0	10.7	7.97	4.93	1.34	0.10	0.04	0.01	107	106
-60	0.01	0.04	0.10	0.71	2.84	5.42	7.14	7.49	8.34	8.21	7.04	6.32	3.96	1.05	0.15	0.07	0.03	0.01	58.9	57.1
-70	0.01	0.03	0.07	0.11	0.21	1.03	1.75	1.25	1.68	1.53	0.84	1.01	0.43	0.12	0.09	0.05	0.02	0.01	10.2	5.83
-80	0.01	0.02	0.05	0.07	0.08	0.10	0.12	0.12	0.13	0.13	0.11	0.10	0.09	0.07	0.06	0.04	0.02	0.01	1.32	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Φ t	0.15	1.64	28.2	79.3	131	181	231	265	277	276	255	215	165	117	63.5	15.5	0.75	0.16	2303	---
Φ a	0.00	0.08	26.3	77.7	130	180	230	264	276	275	254	214	164	115	61.9	13.2	0.00	0.00	---	2281

H(β) Range:-90 - 90DEG
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Operators:IVY
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V(B) Range:-180 - 180DEG
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-30W, 90LM/W

ISOCANDELA DIAGRAM

Test:U:218.5V I:0.1700A P:35.60W PF:0.9570 Lamp Flux:2600x1 lm		
NAME: LED FLOOD LIGHT	TYPE:FL225	WEIGHT:3KG
DIMENSION:	SPECIFICATION:LED	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

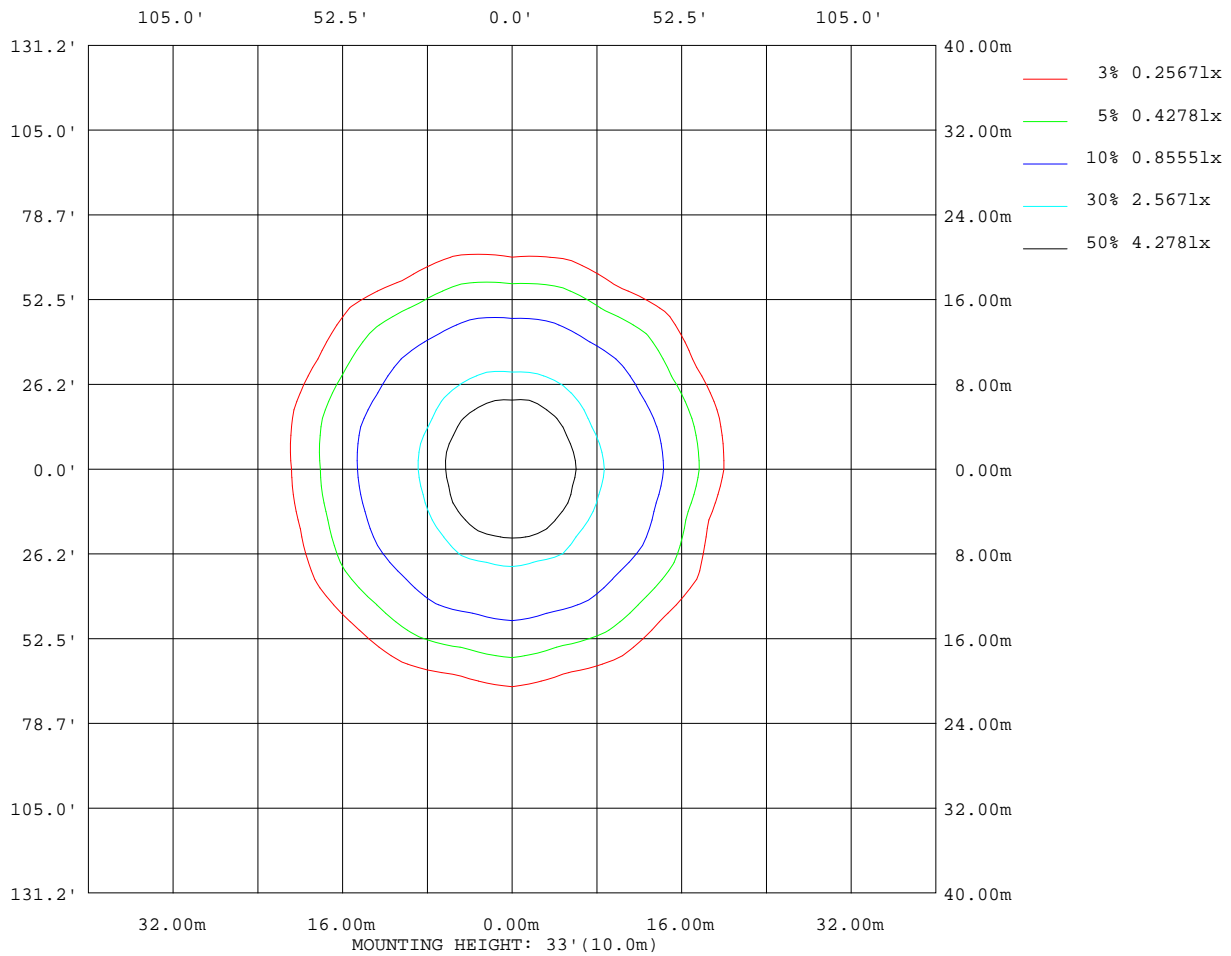


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Temperature:30DEG
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Test Distance:9.900m [K=1.0000]
Remarks: FL225B-30W, 90LM/W

ISOLUX DIAGRAM

Test:U:218.5V I:0.1700A P:35.60W PF:0.9570 Lamp Flux:2600x1 lm		
NAME: LED FLOOD LIGHT	TYPE:FL225	WEIGHT:3KG
DIMENSION:	SPECIFICATION:LED	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



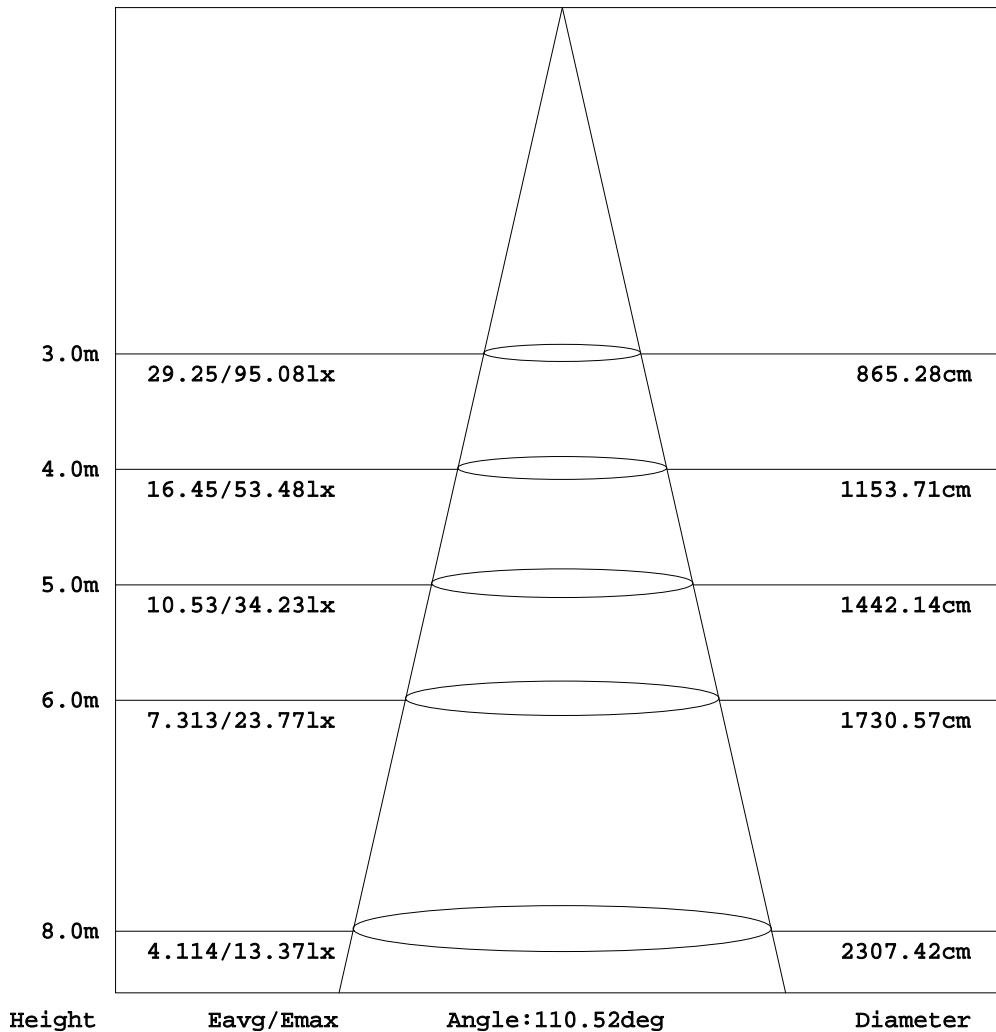
H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:IVY
 Test Date:2010-10-29

V(B) Range:-180 - 180DEG
 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-30W, 90LM/W

AAI Figure

Test:U:218.5V I:0.1700A P:35.60W PF:0.9570 Lamp Flux:2600x1 lm		
NAME: LED FLOOD LIGHT	TYPE:FL225	WEIGHT:3KG
DIMENSION:	SPECIFICATION:LED	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

Flux out:1818 lm



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

H(β) Range:-90 - 90DEG
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 Test Speed: HIGH
 Temperature:30DEG
 Operators:IVY
 Test Date:2010-10-29

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000B SYSTEM V1.0.250
 Humidity:65%
 Test Distance:9.900m [K=1.0000]
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LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: LED FLOOD LIGHT	TYPE:FL225	WEIGHT:3KG
DIMENSION:	SPECIFICATION:LED	SERIAL No.:
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
-180	1.42	1.32	1.24	1.22	1.21	1.21	1.22	1.24	1.26	1.28	1.33	1.37	1.41	1.46	1.51	1.59	1.68	1.71	1.73
-170	1.42	1.41	1.42	1.48	1.55	1.64	1.69	1.78	1.87	1.92	1.98	2.05	2.13	2.02	1.98	1.94	1.90	1.88	1.88
-160	1.42	1.51	1.60	1.73	1.87	2.06	2.15	2.30	2.37	2.32	2.23	2.17	2.13	2.13	2.01	1.98	1.97	1.96	1.96
-150	1.42	1.60	1.78	1.97	2.19	2.44	2.54	2.46	2.42	2.38	2.36	2.26	2.19	2.14	2.11	2.11	2.13	2.13	2.11
-140	1.42	1.69	1.94	2.21	2.48	2.61	2.61	2.57	2.49	2.44	2.39	2.35	2.29	2.26	2.24	2.21	2.19	2.18	2.18
-130	1.42	1.76	2.10	2.43	2.70	2.66	2.63	2.61	2.61	2.54	2.47	2.44	2.41	2.38	2.37	2.36	2.36	2.35	2.35
-120	1.42	1.83	2.23	2.64	2.78	2.74	2.71	2.67	2.63	2.61	2.61	2.61	2.60	2.57	2.53	2.51	2.49	2.47	2.46
-110	1.42	1.89	2.35	2.81	2.87	2.85	2.83	2.80	2.76	2.71	2.70	2.69	2.68	2.66	2.65	2.64	2.63	2.62	2.62
-100	1.42	1.94	2.45	2.94	2.97	2.96	2.94	2.93	2.91	2.89	2.88	2.87	2.87	2.85	2.83	2.80	2.80	2.80	2.80
-90	1.42	1.98	2.53	3.09	3.09	3.09	3.10	3.09	3.08	3.08	3.08	3.08	3.09	3.09	3.09	3.09	3.09	3.08	3.08
-80	1.42	2.00	2.56	3.20	3.70	4.33	4.99	5.09	5.06	4.98	5.35	5.79	6.24	6.20	6.09	5.96	6.27	6.56	6.82
-70	1.42	2.03	2.90	4.14	5.38	6.48	7.56	8.06	9.36	23.9	76.1	130	171	170	165	162	175	188	198
-60	1.42	2.12	3.59	5.45	7.11	8.75	28.1	104	186	228	260	297	325	342	342	339	348	362	373
-50	1.42	2.27	4.42	6.69	8.78	29.3	137	259	319	361	391	420	457	493	505	504	505	521	533
-40	1.42	2.47	5.13	7.82	10.3	78.3	245	342	410	452	484	520	566	621	666	661	657	670	677
-30	1.42	2.66	5.75	8.81	21.2	171	314	396	460	507	550	590	636	680	718	742	741	740	740
-20	1.42	2.79	6.19	9.80	55.7	257	357	434	492	537	582	631	689	734	763	798	819	795	805
-10	1.42	2.84	6.43	10.6	91.0	293	386	466	519	561	603	645	700	753	792	828	844	841	842
0	1.42	2.80	6.46	11.0	103	304	398	482	537	582	626	671	725	770	803	835	857	854	856
10	1.42	2.85	6.62	12.0	110	304	401	483	536	582	627	677	726	770	800	829	850	848	846
20	1.42	2.80	6.52	11.1	92.2	282	385	470	521	558	595	634	682	739	783	807	820	820	798
30	1.42	2.66	6.14	10.1	60.6	241	346	421	476	510	544	596	653	700	725	742	755	755	742
40	1.42	2.44	5.50	9.16	21.5	141	276	345	405	454	498	542	584	621	654	678	697	688	673
50	1.42	2.19	4.65	7.85	11.2	30.7	132	246	311	371	418	448	467	487	515	537	547	541	529
60	1.42	1.94	3.69	6.12	8.35	9.97	13.9	61.7	169	253	300	311	316	328	355	376	380	370	354
70	1.42	1.73	2.73	4.32	5.40	6.29	7.17	11.1	36.0	89.7	135	153	166	183	202	218	211	199	185
80	1.42	1.57	1.94	2.62	2.89	3.11	3.28	4.36	5.51	6.68	6.77	6.76	6.73	7.51	8.32	9.07	8.75	8.32	7.80
90	1.42	1.46	1.51	1.55	1.50	1.46	1.41	1.48	1.55	1.62	1.55	1.48	1.41	1.43	1.45	1.47	1.44	1.42	1.39
100	1.42	1.42	1.41	1.40	1.36	1.33	1.29	1.29	1.29	1.29	1.27	1.26	1.25	1.25	1.24	1.24	1.23	1.22	1.22
110	1.42	1.40	1.37	1.35	1.30	1.26	1.24	1.23	1.23	1.22	1.22	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
120	1.42	1.38	1.34	1.29	1.26	1.23	1.22	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
130	1.42	1.36	1.30	1.26	1.24	1.22	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
140	1.42	1.35	1.28	1.24	1.22	1.21	1.21	1.21	1.22	1.23	1.24	1.25	1.26	1.28	1.29	1.29	1.29	1.30	1.32
150	1.42	1.34	1.27	1.23	1.22	1.21	1.21	1.23	1.24	1.25	1.27	1.28	1.30	1.33	1.36	1.37	1.37	1.38	1.41
160	1.42	1.33	1.26	1.22	1.21	1.21	1.22	1.24	1.25	1.27	1.29	1.33	1.36	1.39	1.41	1.46	1.49	1.49	1.53
170	1.42	1.32	1.24	1.22	1.21	1.21	1.23	1.24	1.25	1.28	1.33	1.36	1.39	1.45	1.49	1.54	1.59	1.68	1.68
180	1.42	1.32	1.24	1.22	1.21	1.21	1.22	1.24	1.26	1.28	1.33	1.37	1.41	1.46	1.51	1.59	1.68	1.71	1.76

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V(B) Interval: 0.5DEG
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Test Distance:9.900m [K=1.0000]
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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
-180	1.80	1.87	1.91	1.96	1.99	2.07	2.14	2.14	2.20	2.30	2.38	2.42	2.51	2.63	2.64	2.73	2.89	3.06
-170	1.90	1.90	1.95	1.98	2.00	2.06	2.13	2.13	2.19	2.30	2.38	2.43	2.52	2.62	2.64	2.73	2.89	3.06
-160	1.97	1.99	2.00	2.01	2.14	2.12	2.15	2.19	2.24	2.33	2.40	2.46	2.54	2.62	2.64	2.74	2.89	3.06
-150	2.10	2.12	2.12	2.12	2.14	2.18	2.23	2.31	2.35	2.40	2.44	2.50	2.60	2.61	2.66	2.76	2.90	3.06
-140	2.17	2.17	2.21	2.25	2.27	2.30	2.35	2.38	2.42	2.46	2.51	2.58	2.62	2.62	2.69	2.78	2.91	3.06
-130	2.33	2.33	2.35	2.36	2.38	2.40	2.42	2.46	2.51	2.60	2.61	2.62	2.63	2.66	2.73	2.82	2.93	3.06
-120	2.45	2.45	2.46	2.48	2.51	2.56	2.60	2.61	2.61	2.62	2.65	2.67	2.70	2.73	2.77	2.86	2.95	3.06
-110	2.62	2.62	2.61	2.62	2.63	2.65	2.65	2.66	2.68	2.71	2.75	2.77	2.80	2.81	2.84	2.90	2.98	3.06
-100	2.79	2.77	2.76	2.78	2.81	2.83	2.83	2.83	2.84	2.86	2.88	2.90	2.90	2.90	2.90	2.95	3.00	3.06
-90	3.06	3.04	3.01	3.04	3.06	3.08	3.07	3.05	3.04	3.05	3.07	3.08	3.05	3.02	2.99	3.01	3.04	3.06
-80	6.25	5.66	5.07	5.06	5.03	4.97	4.58	4.19	3.80	3.79	3.72	3.55	3.25	3.12	3.08	3.07	3.05	3.06
-70	181	156	125	124	133	127	64.8	19.8	6.49	6.36	6.19	5.68	4.68	3.68	3.15	3.11	3.07	3.06
-60	358	339	325	323	316	290	250	204	137	56.8	10.4	7.76	6.47	5.06	3.83	3.26	3.09	3.06
-50	516	495	487	482	464	424	383	344	304	259	142	32.4	8.27	6.48	4.94	3.70	3.12	3.06
-40	662	641	642	644	587	526	482	453	412	352	256	101	14.7	7.85	6.00	4.25	3.18	3.06
-30	748	742	727	692	640	593	557	523	481	416	329	186	28.7	9.03	6.84	4.81	3.27	3.06
-20	810	813	772	732	695	645	598	559	517	457	378	290	105	10.1	7.40	5.25	3.36	3.06
-10	849	847	805	767	720	663	617	581	546	498	427	339	176	15.9	7.78	5.53	3.43	3.06
0	859	868	818	783	744	694	645	606	566	519	454	367	214	21.0	7.92	5.67	3.47	3.06
10	849	853	800	763	721	672	625	587	551	506	443	356	204	20.0	7.57	5.42	3.36	3.06
20	818	801	775	742	691	630	589	556	521	477	412	326	158	12.0	7.03	5.04	3.21	3.06
30	759	753	726	702	664	609	556	511	472	422	356	269	84.8	8.11	6.31	4.53	3.03	3.06
40	680	681	661	632	581	539	500	456	402	340	275	135	15.2	6.79	5.36	3.91	2.85	3.06
50	533	530	511	479	444	423	406	373	314	233	105	15.4	6.87	5.42	4.24	3.26	2.70	3.06
60	360	360	349	322	290	276	266	246	174	79.1	14.8	6.19	5.10	3.96	3.14	2.56	2.60	3.06
70	190	193	191	169	134	95.5	69.8	45.4	16.3	6.94	5.11	3.78	3.13	2.53	2.03	2.11	2.54	3.06
80	8.10	8.32	8.41	7.31	6.19	5.10	4.82	4.56	4.24	3.22	2.29	1.54	1.52	1.46	1.43	1.95	2.51	3.06
90	1.41	1.42	1.44	1.42	1.39	1.37	1.37	1.38	1.38	1.35	1.32	1.29	1.30	1.30	1.31	1.89	2.48	3.06
100	1.23	1.24	1.24	1.24	1.23	1.22	1.22	1.23	1.25	1.24	1.23	1.22	1.23	1.25	1.28	1.87	2.46	3.06
110	1.21	1.21	1.21	1.21	1.21	1.22	1.22	1.22	1.21	1.21	1.21	1.21	1.21	1.21	1.33	1.88	2.46	3.06
120	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.22	1.21	1.21	1.21	1.21	1.21	1.21	1.41	1.93	2.48	3.06
130	1.25	1.24	1.24	1.23	1.22	1.21	1.21	1.21	1.20	1.21	1.21	1.21	1.21	1.21	1.56	2.01	2.51	3.06
140	1.31	1.30	1.29	1.28	1.27	1.26	1.24	1.23	1.21	1.21	1.21	1.21	1.20	1.39	1.73	2.11	2.56	3.06
150	1.39	1.38	1.37	1.35	1.32	1.30	1.28	1.25	1.23	1.21	1.21	1.21	1.38	1.65	1.92	2.24	2.63	3.06
160	1.50	1.49	1.45	1.40	1.38	1.35	1.31	1.27	1.24	1.21	1.33	1.53	1.74	1.95	2.14	2.39	2.71	3.06
170	1.69	1.59	1.54	1.48	1.41	1.37	1.38	1.48	1.59	1.72	1.84	1.96	2.11	2.28	2.39	2.56	2.80	3.06
180	1.80	1.87	1.91	1.96	1.99	2.07	2.14	2.14	2.20	2.30	2.38	2.42	2.51	2.63	2.64	2.73	2.89	3.06

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-10-29

V(B) Range:-180 - 180DEG
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-30W, 90LM/W

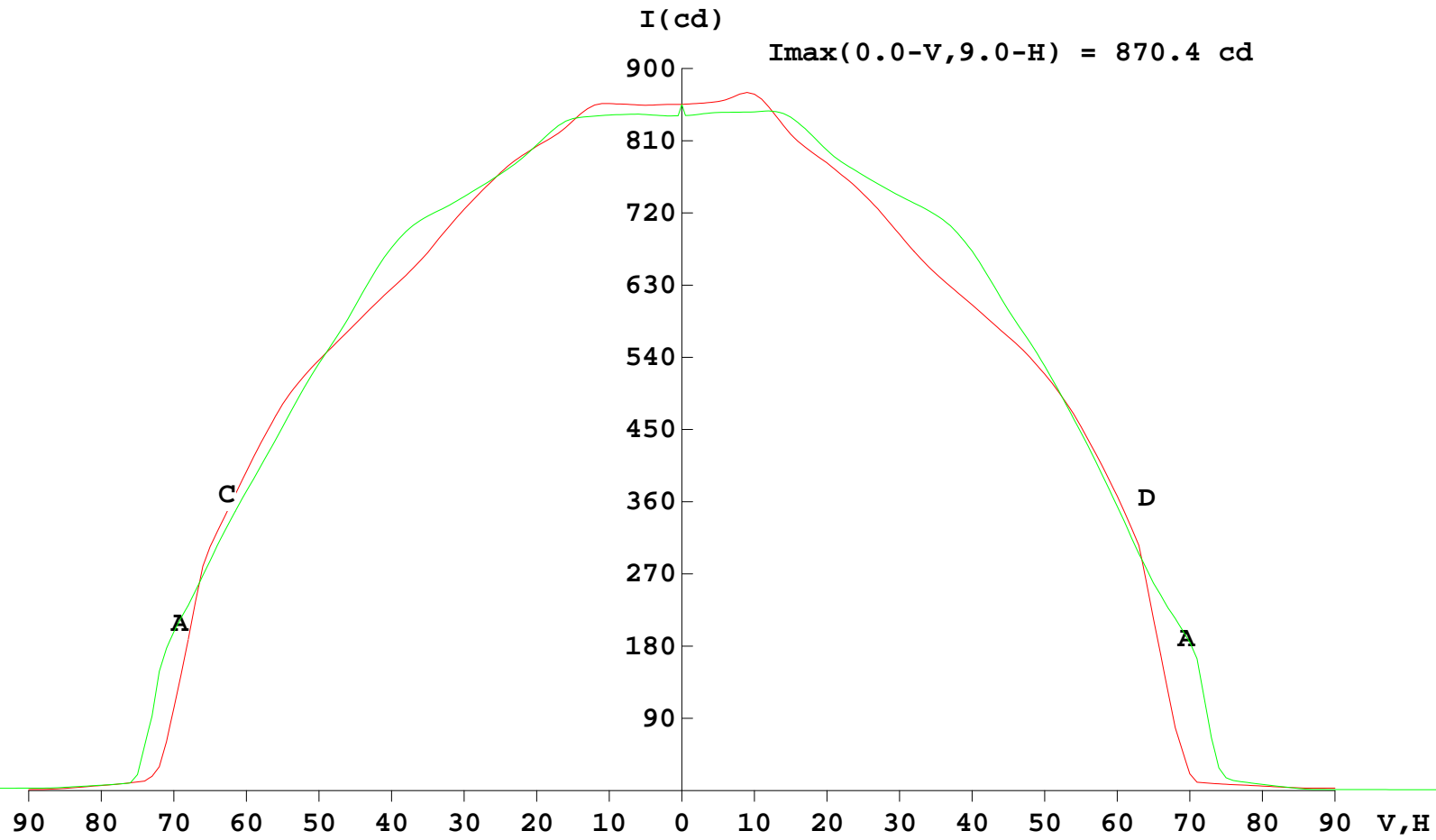
50% Beam Angle : 115°-H X 111°-V

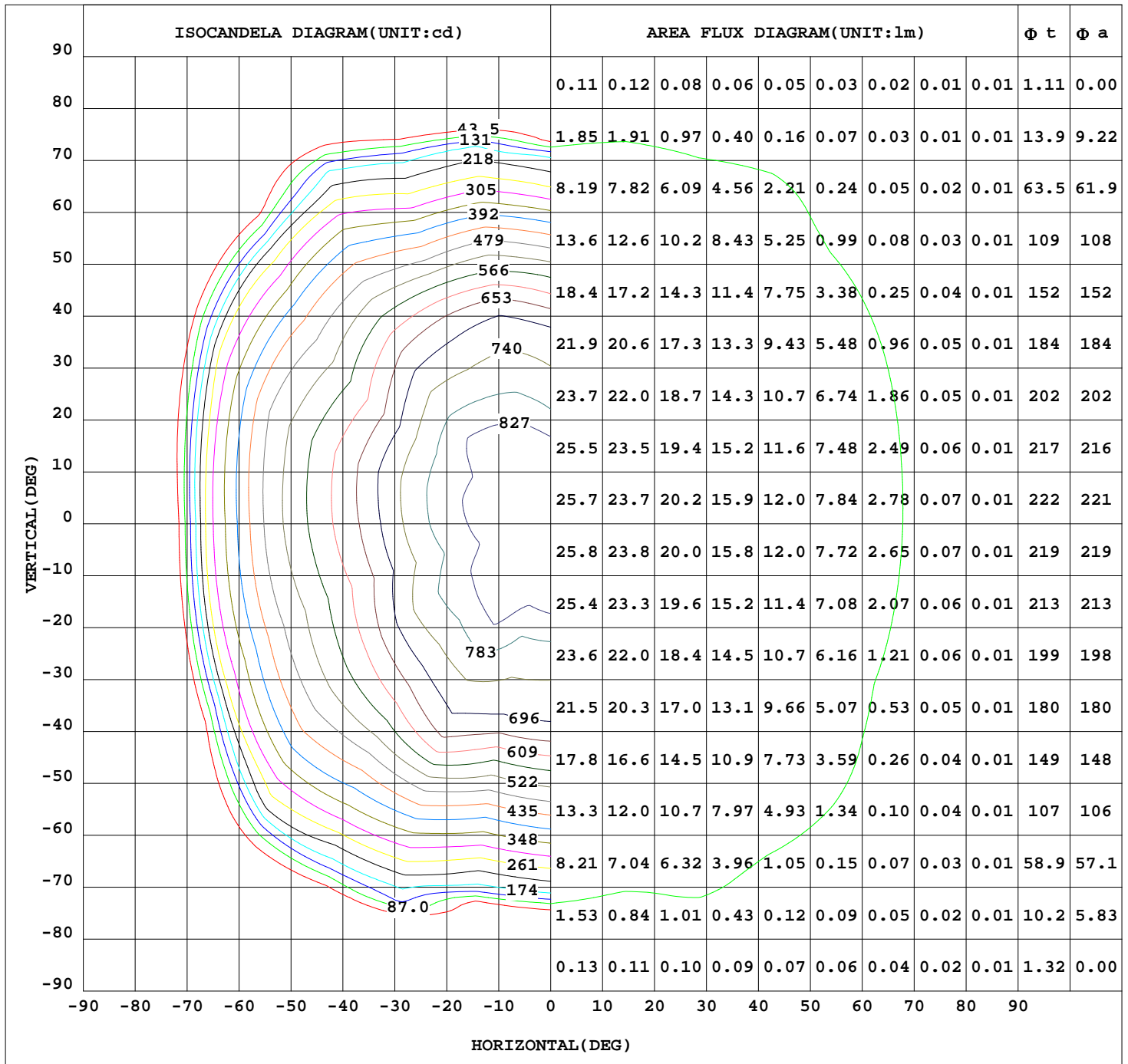
TOTAL FLUX : 2315 lm

EFFICIENCY : 89.0%

AVAILABILITY FLUX : 2281 lm

AVAILABILITY : 87.7%





Φt	0.15	1.64	28.2	79.3	131	181	231	265	277	276	255	215	165	117	63.5	15.5	0.75	0.16	2303	---
Φa	0	0.0814	26.3	77.7	130	180	230	264	276	275	254	214	164	115	61.9	13.2	0	0	---	2281