

## Luminaire Photograph

LED FLOOD LIGHT LED FL115  
FEELIGHT TECH CO., LIMITED



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:IVY  
Test Date:2011-01-28

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
Humidity:65.0%  
Test Distance:9.900m [K=0.5414]  
Remarks: FL115-10W, 80LM/W

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**

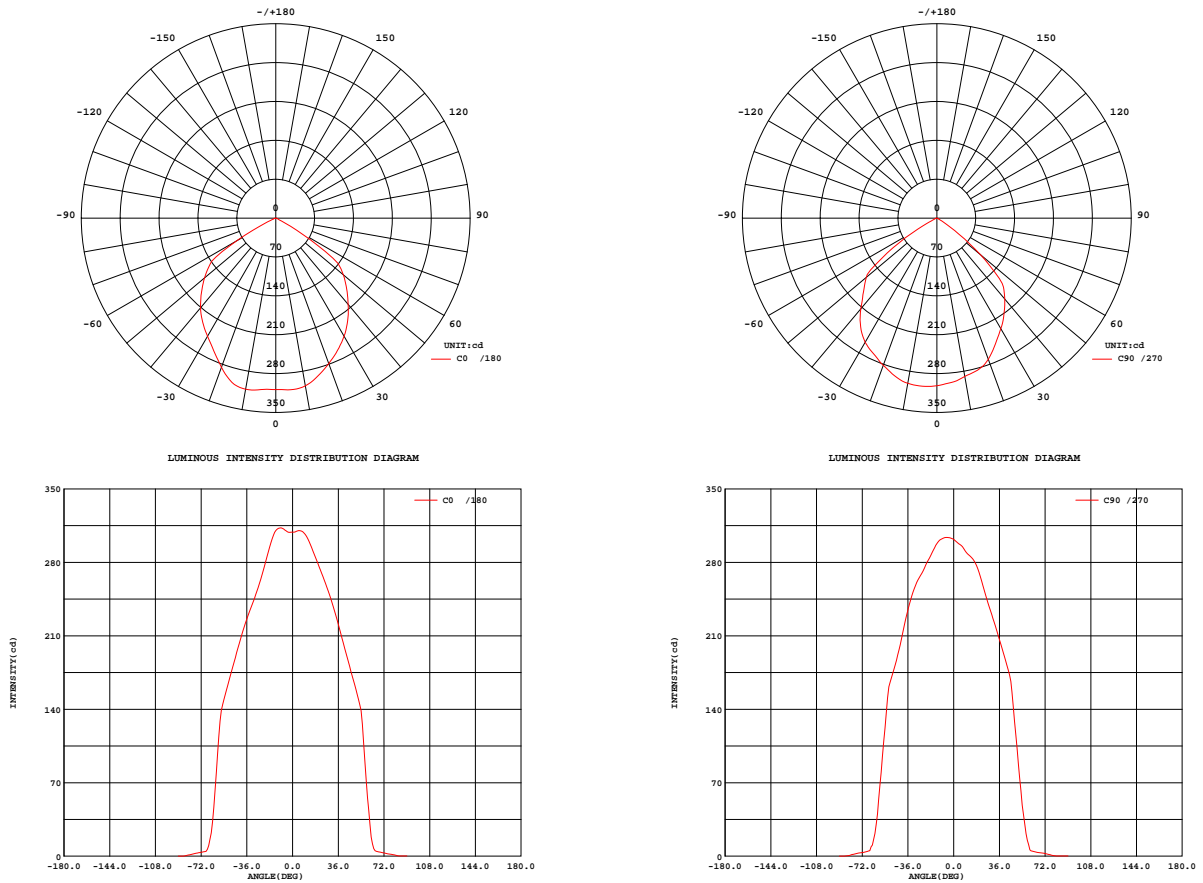


Fig. C0/C180

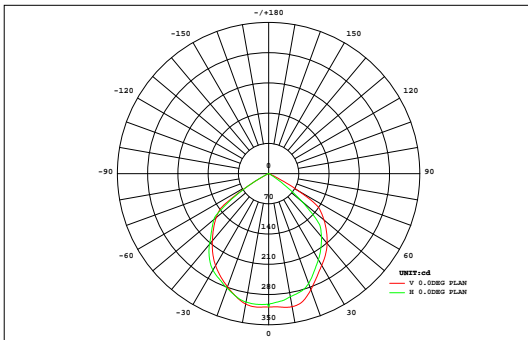
Fig. C90/C270

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:IVY  
Test Date:2011-01-28

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
Humidity:65.0%  
Test Distance:9.900m [K=0.5414]  
Remarks: FL115-10W, 80LM/W

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:228.3V I:0.0810A P:10.00W PF:0.5430 Lamp Flux:750.0x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:0.58Kg
DIMENSION: 115*86*105mm	SPECIFICATION:FL115	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:4.5*5.2mm	PROTECTION ANGLE:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	FL115-10W	Imax(cd)	312.8
NOMINAL POWER(W)	10	AVAILABILITY(%)	83.8
RATED VOLTAGE(V)	226	Avai. FLUX(lm)	628.8
NOMINAL FLUX(lm)	750.00	EFFICIENCY(%)	85.2
LAMPS INSIDE	1	TOTAL FLUX(lm)	638.8
TEST VOLTAGE(V)	225.3	θ @50%(H,V)	104,98DEG

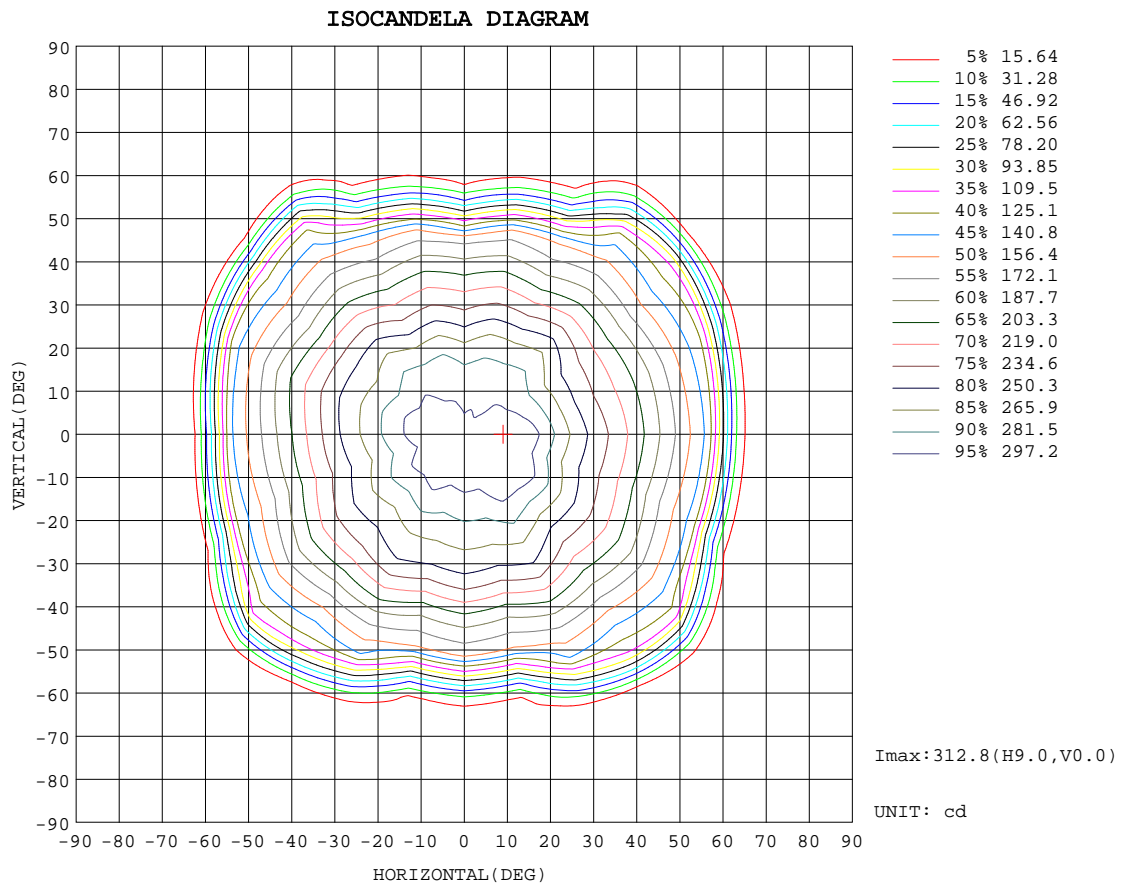
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm	Φ t	Φ a	
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00
90	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.06	0.06	0.05	0.06	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.37	0.00
80	0.00	0.00	0.01	0.02	0.03	0.07	0.09	0.16	0.15	0.15	0.15	0.09	0.07	0.03	0.01	0.01	0.00	0.00	1.04	0.00
70	0.00	0.01	0.02	0.04	0.35	1.19	1.25	1.71	1.63	1.60	1.61	1.09	1.05	0.36	0.03	0.02	0.01	0.00	12.0	9.95
60	0.00	0.01	0.04	0.17	1.63	3.24	3.90	4.71	4.95	4.94	4.68	3.80	3.16	1.80	0.29	0.04	0.01	0.00	37.4	36.9
50	0.00	0.02	0.05	0.81	2.78	4.14	5.22	6.00	6.47	6.48	6.00	5.19	4.12	2.84	1.10	0.07	0.02	0.00	51.3	50.9
40	0.00	0.02	0.10	1.60	3.41	4.79	6.23	7.12	7.68	7.72	7.23	6.18	4.76	3.38	1.83	0.17	0.02	0.00	62.2	62.0
30	0.00	0.02	0.16	1.98	3.84	5.44	6.92	8.09	8.64	8.60	8.08	6.70	5.28	3.82	2.22	0.29	0.02	0.00	70.1	69.8
20	0.00	0.02	0.17	2.06	3.93	5.66	7.24	8.52	9.12	9.03	8.55	7.10	5.60	4.03	2.39	0.35	0.02	0.00	73.8	73.5
10	0.00	0.02	0.15	2.00	3.84	5.53	7.10	8.47	9.17	9.33	8.82	7.17	5.64	4.01	2.35	0.32	0.02	0.00	74.0	73.7
0	0.00	0.02	0.12	1.78	3.63	5.34	6.92	8.07	8.80	8.92	8.36	6.95	5.42	3.78	2.06	0.21	0.02	0.00	70.4	70.1
-10	0.00	0.02	0.07	1.38	3.43	5.02	6.42	7.53	8.07	8.13	7.65	6.36	5.06	3.54	1.57	0.10	0.02	0.00	64.4	64.1
-20	0.00	0.01	0.05	1.02	3.01	4.26	5.53	6.56	7.03	7.06	6.62	5.56	4.34	3.13	1.15	0.06	0.02	0.00	55.4	55.1
-30	0.00	0.01	0.03	0.50	2.17	3.35	4.44	5.08	5.53	5.55	5.16	4.54	3.48	2.35	0.58	0.04	0.01	0.00	42.8	42.4
-40	0.00	0.01	0.02	0.07	0.51	1.49	2.39	2.46	2.99	3.06	2.63	2.68	1.81	0.67	0.09	0.03	0.01	0.00	20.9	20.1
-50	0.00	0.00	0.01	0.02	0.03	0.10	0.24	0.24	0.33	0.34	0.28	0.31	0.12	0.03	0.02	0.01	0.00	0.00	2.08	0.18
-60	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.07	0.08	0.08	0.06	0.04	0.02	0.01	0.01	0.00	0.00	0.00	0.47	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00
-80	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
-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
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.01	0.19	1.03	13.5	32.6	49.7	64.0	74.8	80.7	81.1	75.9	63.8	50.0	33.8	15.7	1.73	0.23	0.02	639	---
Φ a	0.00	0.00	0.17	12.7	32.1	49.2	63.4	74.0	79.9	80.3	75.2	63.2	49.5	33.3	15.1	0.80	0.00	0.00	---	629

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V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
Humidity:65.0%  
Test Distance:9.900m [K=0.5414]  
Remarks: FL115-10W, 80LM/W

ISOCANDELA DIAGRAM

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NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:0.58Kg
DIMENSION: 115*86*105mm	SPECIFICATION:FL115	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:4.5*5.2mm	PROTECTION ANGLE:

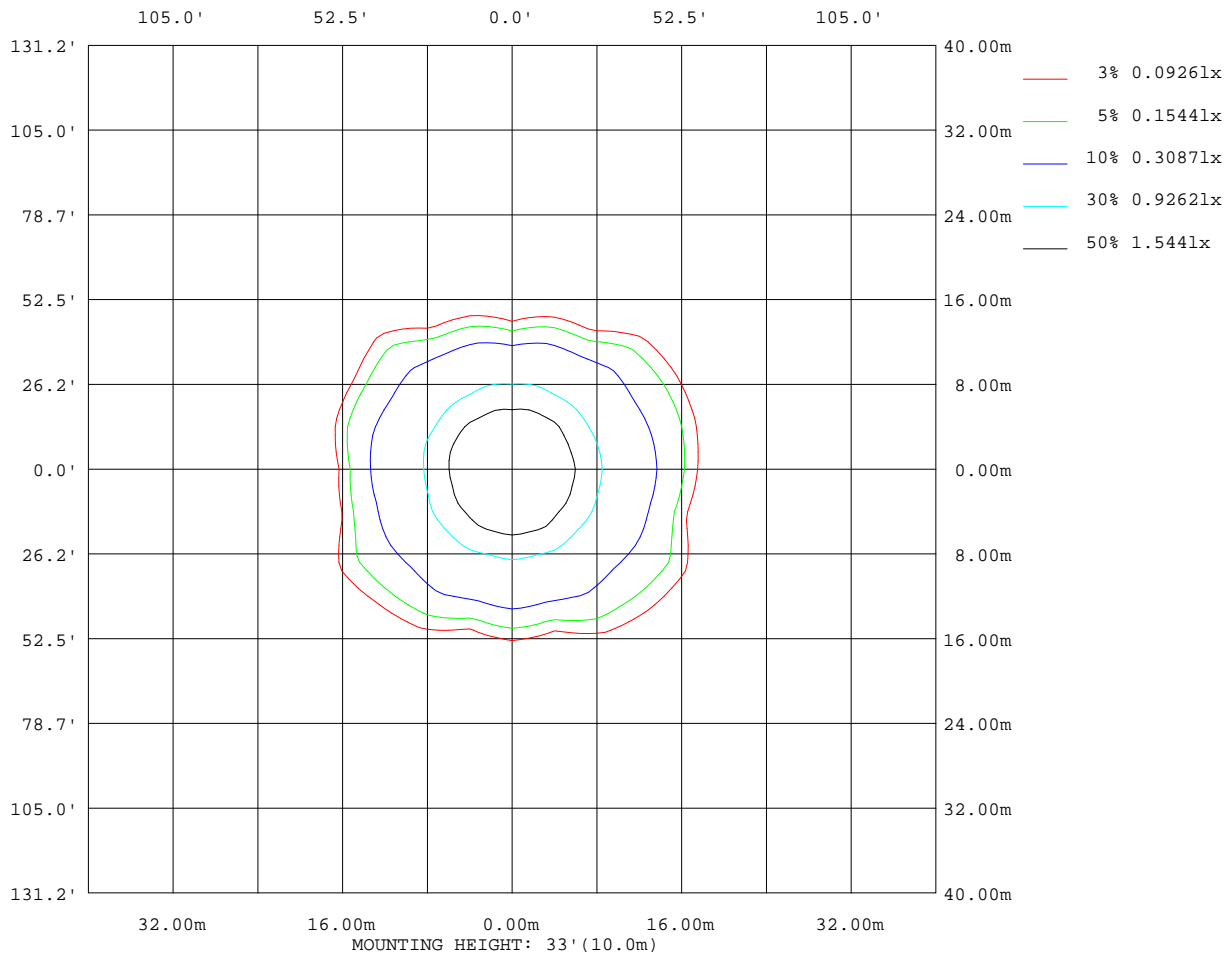


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V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
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Humidity:65.0%  
Test Distance:9.900m [K=0.5414]  
Remarks: FL115-10W, 80LM/W

ISOLUX DIAGRAM

Test:U:228.3V I:0.0810A P:10.00W PF:0.5430 Lamp Flux:750.0x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:0.58Kg
DIMENSION: 115*86*105mm	SPECIFICATION:FL115	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:4.5*5.2mm	PROTECTION ANGLE:



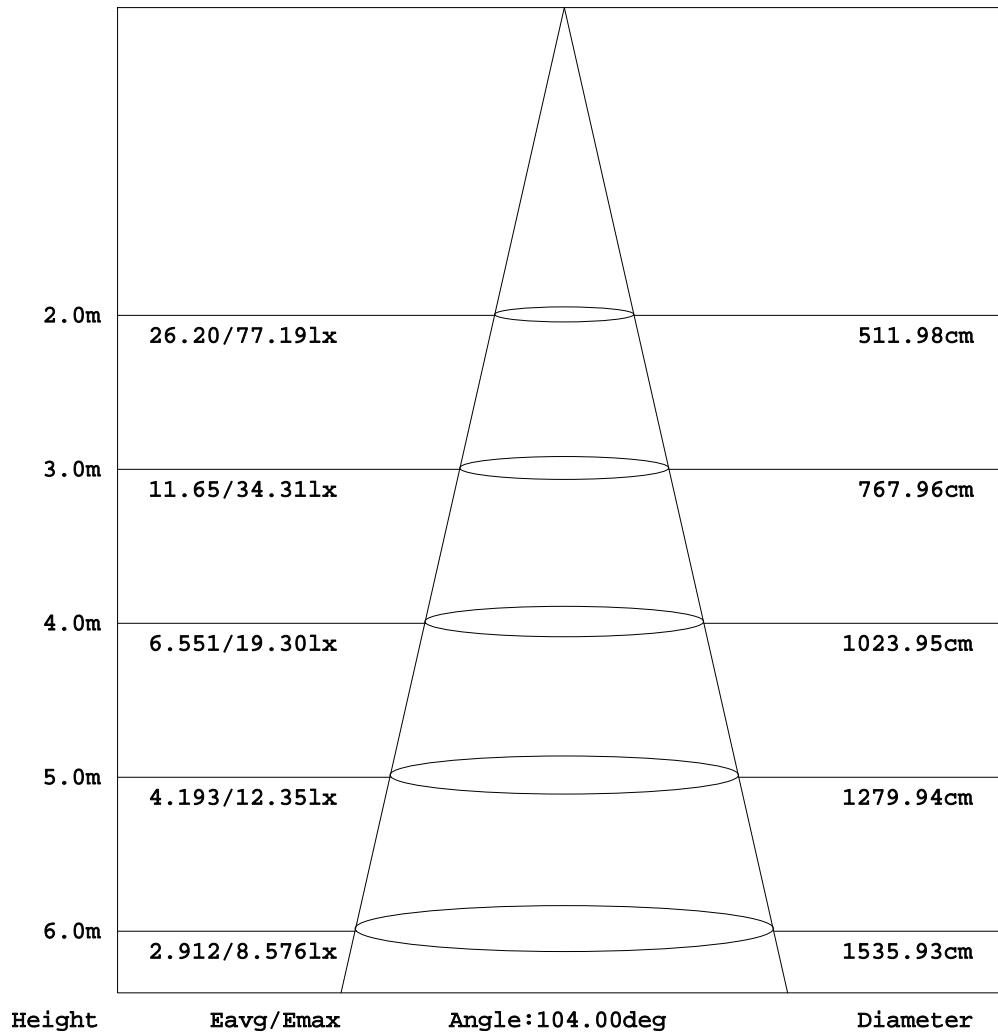
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:IVY  
Test Date:2011-01-28

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
Humidity:65.0%  
Test Distance:9.900m [K=0.5414]  
Remarks: FL115-10W, 80LM/W

AAI Figure

Test:U:228.3V I:0.0810A P:10.00W PF:0.5430 Lamp Flux:750.0x1 lm		
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DIMENSION: 115*86*105mm	SPECIFICATION:FL115	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:4.5*5.2mm	PROTECTION ANGLE:

Flux out:539.5 lm



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

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Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
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LUMINOUS DISTRIBUTION INTENSITY DATA

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MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:4.5*5.2mm	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	0.17	0.16	0.15	0.14	0.14	0.14	0.15	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12
-85	0.17	0.16	0.15	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.14	0.15	0.17	0.17	0.16	0.14	0.15	0.17	0.18
-80	0.17	0.16	0.15	0.14	0.14	0.16	0.22	0.24	0.24	0.22	0.31	0.43	0.57	0.59	0.61	0.63	0.94	1.26	1.56
-75	0.17	0.16	0.15	0.14	0.17	0.27	0.43	0.48	0.49	0.50	0.68	0.95	1.24	1.54	1.86	2.20	2.50	2.75	2.95
-70	0.17	0.16	0.15	0.15	0.26	0.54	0.70	0.75	0.80	0.83	1.08	1.53	2.06	2.61	3.13	3.61	3.75	3.82	3.85
-65	0.17	0.16	0.16	0.19	0.56	0.90	1.02	1.07	1.17	1.23	1.51	2.24	3.40	5.46	6.20	5.22	5.47	7.20	8.96
-60	0.17	0.16	0.16	0.37	0.94	1.29	1.41	1.46	1.62	2.29	4.89	13.0	24.3	30.9	30.6	23.7	26.3	34.5	40.2
-55	0.17	0.16	0.17	0.68	1.32	1.70	1.85	2.01	5.72	17.1	37.8	59.9	76.7	90.7	87.9	81.7	85.2	99.7	110
-50	0.17	0.16	0.22	0.98	1.71	2.11	2.30	6.63	29.0	61.6	88.9	110	126	143	142	143	151	161	166
-45	0.17	0.16	0.30	1.24	2.07	2.51	3.44	20.1	71.7	107	124	134	149	162	170	173	175	182	187
-40	0.17	0.17	0.49	1.47	2.34	2.88	7.07	38.9	102	128	141	152	166	180	194	198	198	207	213
-35	0.17	0.17	0.66	1.68	2.56	3.24	9.70	54.0	111	142	157	171	184	201	217	225	227	233	239
-30	0.17	0.17	0.83	1.84	2.77	3.52	11.4	66.2	124	152	173	188	203	219	235	247	250	254	258
-25	0.17	0.17	0.97	1.98	2.97	3.79	15.0	75.6	136	159	182	203	219	234	246	257	263	266	270
-20	0.17	0.18	1.07	2.09	3.13	4.09	23.0	91.3	141	164	187	210	231	244	254	265	275	277	282
-15	0.17	0.18	1.15	2.18	3.29	4.46	32.9	107	147	167	190	215	235	253	264	273	287	290	294
-10	0.17	0.18	1.21	2.24	3.42	5.01	39.6	118	152	174	195	217	237	254	271	286	295	301	302
-5	0.17	0.18	1.25	2.27	3.53	5.23	43.1	124	156	178	200	223	242	257	271	287	301	304	304
0	0.17	0.19	1.27	2.28	3.60	5.23	43.4	126	159	181	203	226	246	263	279	294	307	310	309
5	0.17	0.19	1.28	2.31	3.59	6.10	47.0	127	160	182	205	228	247	263	279	292	300	302	297
10	0.17	0.19	1.26	2.31	3.54	6.47	46.9	125	159	182	205	227	245	259	270	282	294	293	289
15	0.17	0.19	1.23	2.28	3.46	5.94	42.7	121	156	179	200	219	237	252	265	279	284	287	283
20	0.17	0.19	1.19	2.24	3.34	5.24	33.9	113	150	170	188	206	225	242	257	263	269	277	271
25	0.17	0.19	1.12	2.16	3.21	4.50	25.4	93.6	140	159	174	191	210	227	238	241	249	255	250
30	0.17	0.18	1.01	2.07	3.04	4.07	15.5	66.8	127	146	161	179	196	209	216	221	231	234	230
35	0.17	0.18	0.88	1.94	2.87	3.77	7.16	38.6	98.7	131	150	166	181	190	196	204	213	214	211
40	0.17	0.18	0.73	1.78	2.68	3.27	3.88	16.0	60.7	115	137	153	163	170	175	186	194	193	190
45	0.17	0.18	0.56	1.59	2.46	2.80	3.03	4.68	24.4	75.7	120	137	137	146	156	165	171	169	167
50	0.17	0.17	0.43	1.37	2.13	2.33	2.43	2.53	8.04	35.5	79.0	101	95.5	94.7	107	118	122	115	103
55	0.17	0.17	0.31	1.13	1.73	1.88	1.87	1.84	2.45	10.8	33.2	47.6	44.6	36.8	47.0	55.6	57.3	50.3	39.6
60	0.17	0.17	0.21	0.86	1.33	1.45	1.37	1.33	1.60	1.96	4.93	11.3	9.78	6.97	10.9	15.0	14.8	11.1	6.08
65	0.17	0.17	0.20	0.52	0.96	1.04	0.95	0.93	1.13	1.27	1.44	1.74	2.12	2.67	3.68	4.68	4.72	4.32	3.85
70	0.17	0.17	0.18	0.25	0.58	0.67	0.60	0.65	0.77	0.88	0.97	1.09	1.23	1.84	2.68	3.52	3.49	3.25	2.97
75	0.17	0.17	0.17	0.21	0.23	0.34	0.29	0.37	0.48	0.57	0.59	0.60	0.62	1.06	1.60	2.19	2.10	1.90	1.67
80	0.17	0.17	0.17	0.18	0.19	0.19	0.18	0.20	0.23	0.28	0.29	0.27	0.23	0.35	0.52	0.70	0.61	0.48	0.34
85	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
90	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.18

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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	0.12	0.12	0.12	0.12	0.12	0.11	0.12	0.12	0.12	0.12	0.12	0.11	0.12	0.12	0.12	0.12	0.12	0.12
-85	0.16	0.15	0.14	0.16	0.17	0.17	0.15	0.13	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12
-80	1.33	1.07	0.79	0.64	0.52	0.46	0.38	0.30	0.24	0.27	0.28	0.26	0.18	0.13	0.12	0.12	0.12	0.12
-75	2.76	2.53	2.24	1.76	1.32	0.94	0.77	0.60	0.50	0.52	0.51	0.48	0.32	0.18	0.12	0.12	0.12	0.12
-70	3.74	3.61	3.39	2.79	2.15	1.58	1.23	0.94	0.82	0.86	0.83	0.77	0.67	0.34	0.15	0.12	0.12	0.12
-65	7.16	5.40	5.65	7.45	6.62	4.18	2.07	1.39	1.24	1.28	1.24	1.21	1.06	0.77	0.26	0.14	0.12	0.12
-60	35.6	28.7	28.3	37.5	41.4	33.2	20.4	7.94	3.13	1.82	1.73	1.68	1.55	1.17	0.58	0.17	0.12	0.12
-55	103	90.7	89.2	98.2	103	91.6	74.8	51.9	23.7	8.53	2.57	2.19	2.03	1.63	0.96	0.28	0.12	0.12
-50	162	155	148	146	148	134	118	105	73.6	35.6	9.71	2.69	2.50	2.09	1.27	0.42	0.13	0.12
-45	183	177	176	173	165	153	138	129	117	79.0	24.6	4.83	2.92	2.48	1.58	0.60	0.13	0.12
-40	208	200	200	197	183	169	156	145	134	110	45.2	8.77	3.29	2.81	1.87	0.81	0.14	0.12
-35	234	229	227	219	202	186	174	161	148	120	62.6	12.5	3.62	3.06	2.12	0.99	0.14	0.12
-30	255	252	250	235	217	203	191	176	157	133	76.7	16.3	3.87	3.28	2.34	1.15	0.16	0.12
-25	268	268	262	245	230	218	204	186	164	143	88.9	22.0	4.39	3.48	2.52	1.29	0.17	0.12
-20	280	283	272	255	243	230	213	192	170	148	108	37.7	6.00	3.65	2.68	1.41	0.18	0.12
-15	294	297	284	270	253	236	218	197	174	154	127	52.3	8.56	3.81	2.81	1.51	0.19	0.12
-10	305	307	300	279	256	239	222	202	181	160	137	65.3	12.0	3.95	2.91	1.58	0.20	0.12
-5	309	312	301	278	259	243	227	208	186	164	142	74.8	14.6	4.06	2.98	1.64	0.21	0.12
0	310	313	306	286	264	246	229	211	189	167	144	80.2	16.2	4.14	3.02	1.67	0.21	0.12
5	297	298	292	276	257	240	225	208	187	165	142	80.4	16.2	4.07	2.98	1.65	0.21	0.12
10	290	293	281	265	249	234	219	203	184	162	139	76.4	15.0	3.96	2.91	1.60	0.21	0.12
15	285	284	279	260	242	227	212	196	178	157	134	68.6	12.7	3.82	2.81	1.53	0.20	0.12
20	276	272	266	257	237	218	203	186	168	149	127	56.8	9.90	3.66	2.69	1.44	0.20	0.12
25	257	254	246	239	225	208	191	174	157	140	112	42.6	6.66	3.49	2.54	1.32	0.19	0.12
30	235	233	224	216	208	195	179	160	145	129	88.4	26.7	4.40	3.28	2.36	1.19	0.18	0.12
35	215	214	204	195	188	180	165	149	132	114	58.8	14.0	3.70	3.05	2.15	1.05	0.16	0.12
40	193	193	185	175	170	162	152	137	118	83.5	30.0	5.59	3.21	2.81	1.91	0.89	0.15	0.12
45	170	172	166	156	142	133	136	116	87.7	43.0	9.09	2.76	2.74	2.51	1.66	0.72	0.15	0.12
50	114	120	114	101	86.4	89.7	90.1	75.2	43.0	11.6	2.31	2.17	2.27	2.11	1.37	0.55	0.15	0.12
55	49.4	54.9	50.9	40.8	29.6	38.6	40.6	30.5	11.4	2.21	1.40	1.66	1.82	1.66	1.06	0.39	0.14	0.12
60	10.5	13.1	12.0	9.03	4.34	9.26	10.6	4.94	1.62	1.30	1.03	1.21	1.37	1.24	0.76	0.24	0.14	0.12
65	4.21	4.52	4.52	3.74	2.90	2.35	1.79	1.39	1.14	0.94	0.76	0.83	0.96	0.83	0.48	0.20	0.13	0.12
70	3.21	3.40	3.41	2.69	1.98	1.41	1.16	0.95	0.78	0.66	0.55	0.53	0.59	0.48	0.27	0.17	0.13	0.12
75	1.81	1.92	1.93	1.47	1.05	0.69	0.61	0.56	0.53	0.44	0.35	0.29	0.32	0.25	0.20	0.16	0.13	0.12
80	0.43	0.51	0.58	0.46	0.34	0.25	0.27	0.28	0.27	0.24	0.21	0.18	0.19	0.18	0.17	0.15	0.14	0.12
85	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.15	0.14	0.12
90	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.16	0.14	0.12

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:IVY  
Test Date:2011-01-28

V(B) Range:-90 - 90DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000B SYSTEM V1.0.250  
Humidity:65.0%  
Test Distance:9.900m [K=0.5414]  
Remarks: FL115-10W, 80LM/W



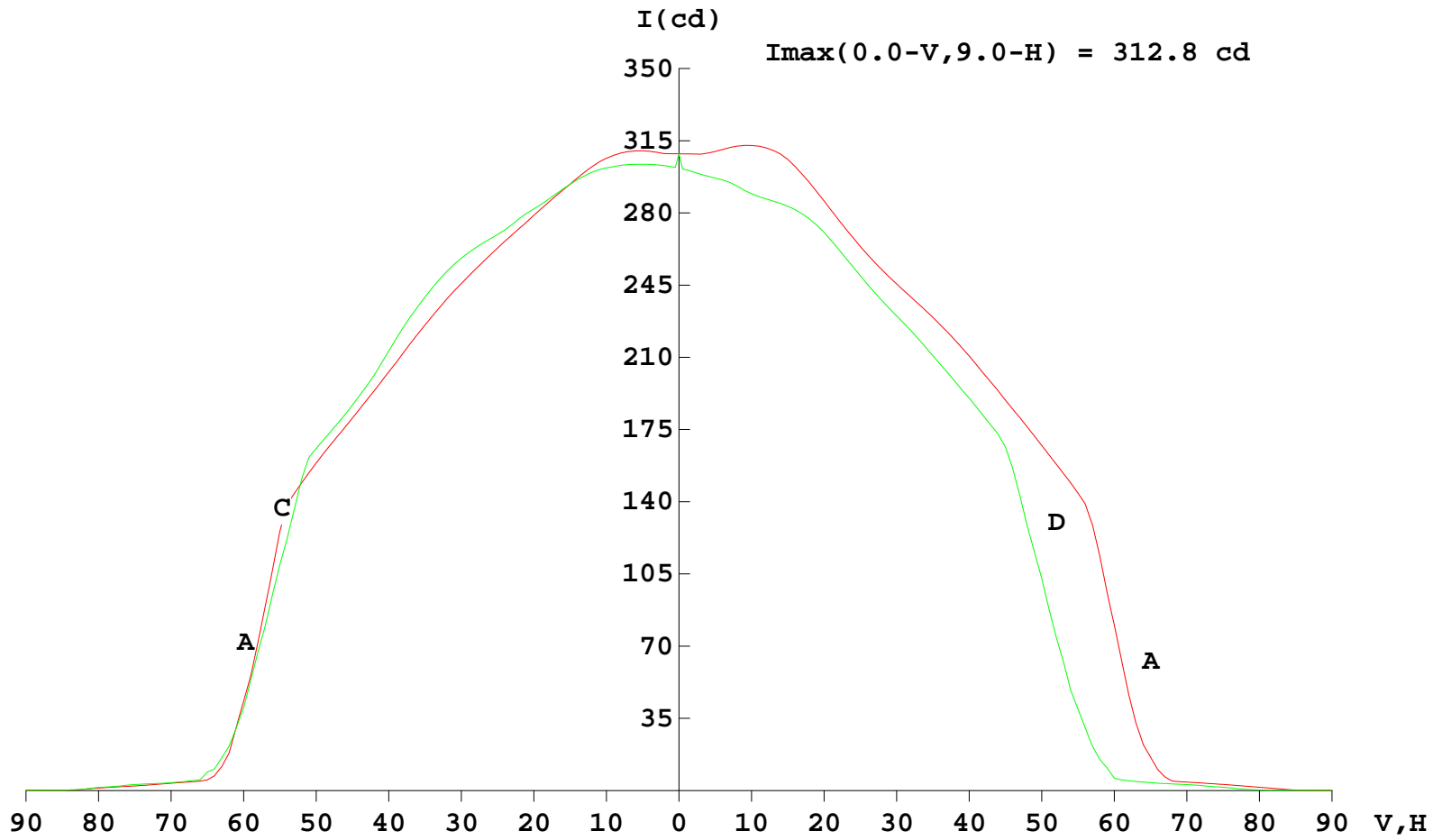
50% Beam Angle : 104°-H X 98°-V

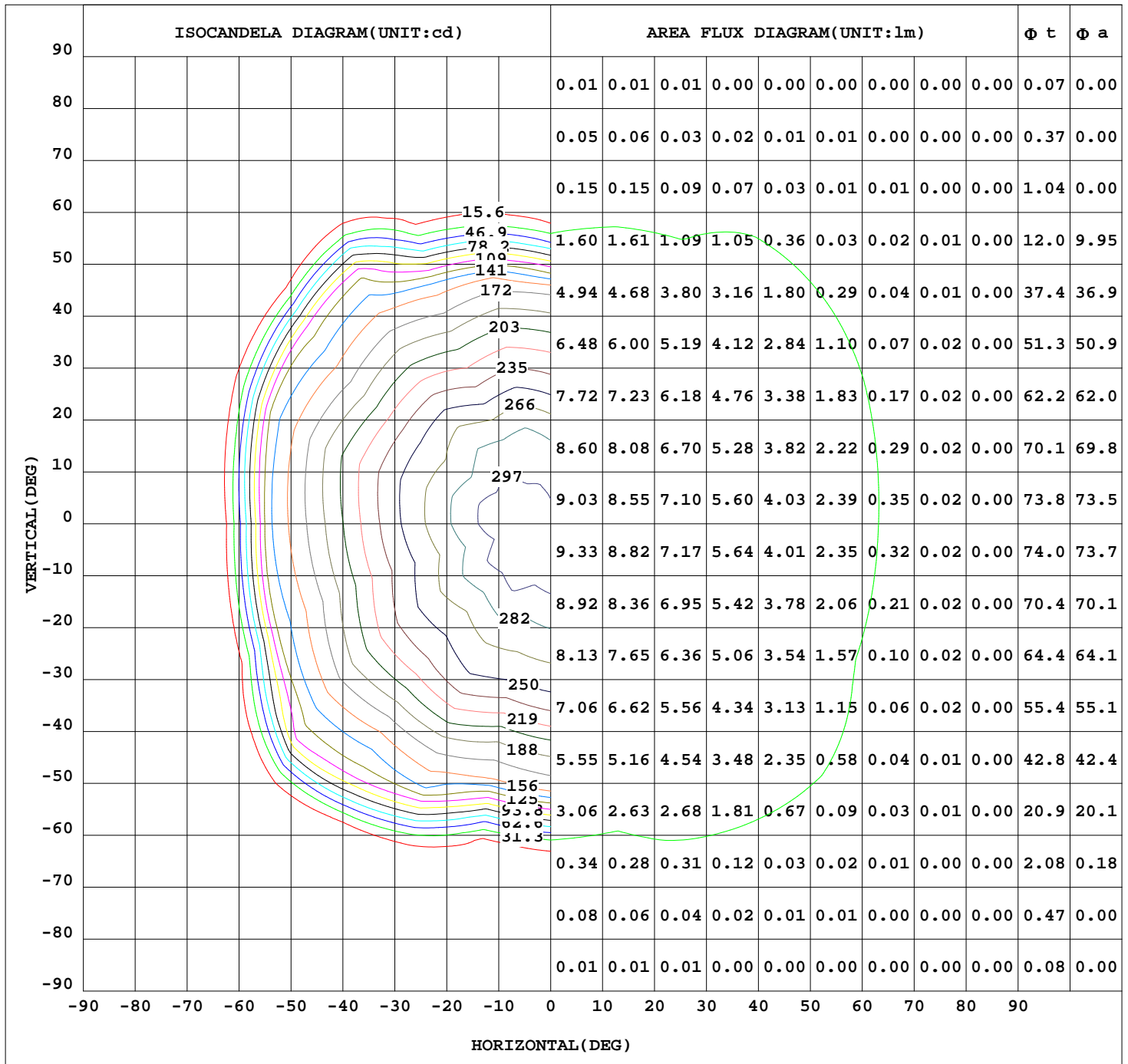
TOTAL FLUX : 638.8 lm

EFFICIENCY : 85.2%

AVAILABILITY FLUX : 628.8 lm

AVAILABILITY : 83.8%





	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Φ t	0.01	0.19	1.03	13.5	32.6	49.7	64.0	74.8	80.7	81.1	75.9	63.8	50.0	33.8	15.7	1.73	0.23	0.02	639	---	
Φ a	0	0	0.16	2.7	12.7	32.1	49.2	63.4	74.0	79.9	80.3	75.2	63.2	49.5	33.3	15.10	7.96	2	0	---	629