

Luminaire Photograph

LED FLOOD LIGHT LED FL220
FEELIGHT TECH CO., LIMITED



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2011-01-13

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:9.900m [K=1.0000]
Remarks: FL220-30W,90LM/W

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

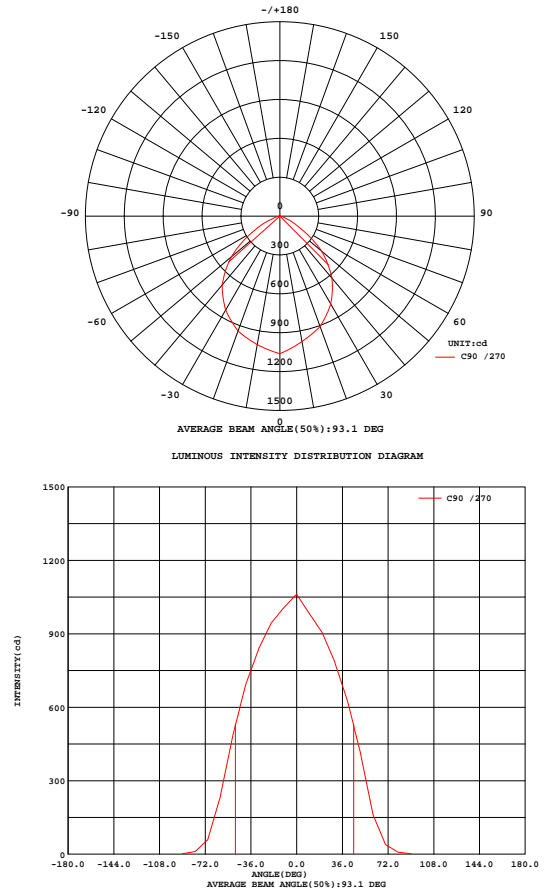
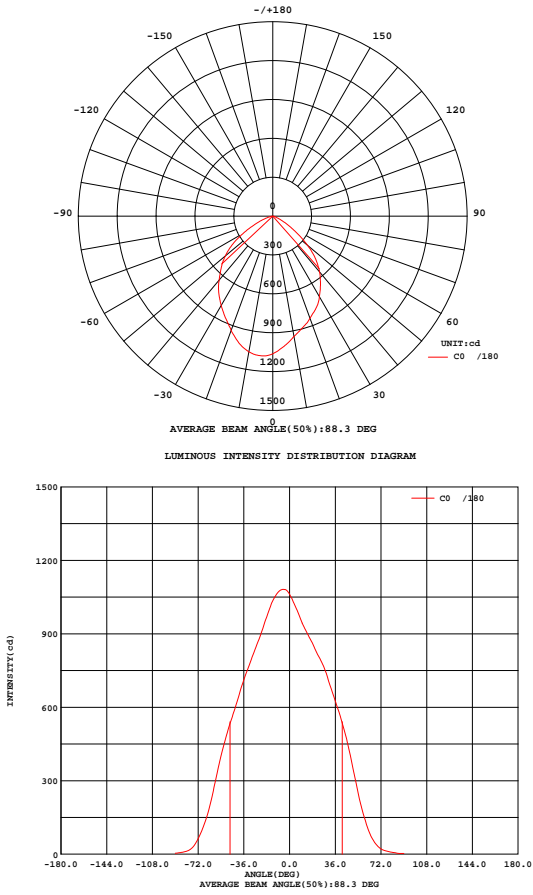


Fig. C0/C180

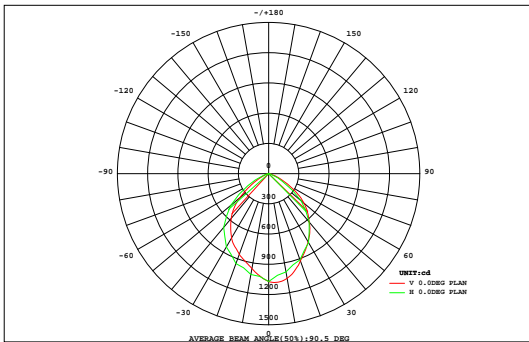
Fig. C90/C270

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2011-01-13

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:9.900m [K=1.0000]
Remarks: FL220-30W,90LM/W

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:228.8V I:0.1590A P:34.80W PF:0.9540 Lamp Flux:2600x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:3KG
DIMENSION:	SPECIFICATION:FL220	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	FL220-30W	Imax(cd)	1081
NOMINAL POWER(W)	36	AVAILABILITY(%)	78.4
RATED VOLTAGE(V)	226	Avai. FLUX(lm)	2038
NOMINAL FLUX(lm)	2600.0	EFFICIENCY(%)	80.8
LAMPS INSIDE	1	TOTAL FLUX(lm)	2100
TEST VOLTAGE(V)	226.6	θ @50%(H,V)	88,93DEG

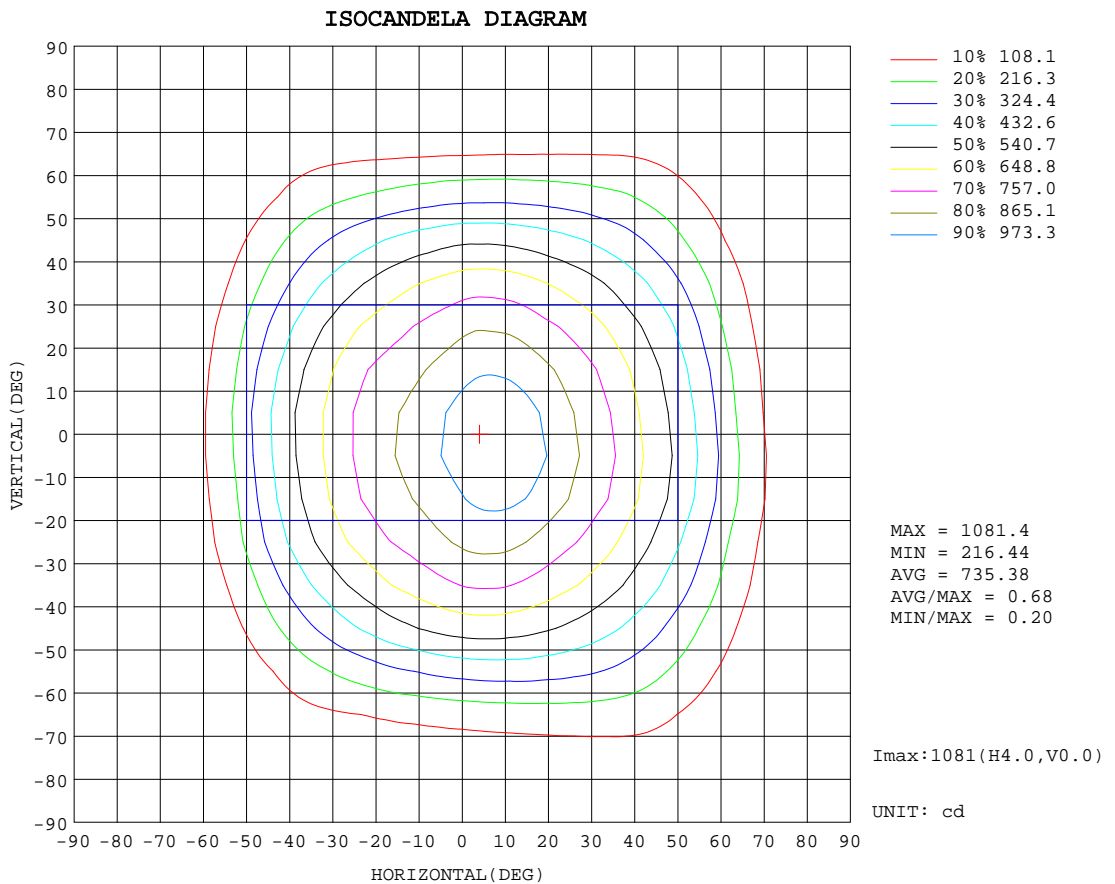
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.02	0.03	0.06	0.08	0.10	0.11	0.12	0.13	0.13	0.13	0.12	0.11	0.07	0.05	0.03	0.01	1.32	0.00
90	0.00	0.01	0.02	0.03	0.06	0.08	0.10	0.11	0.12	0.13	0.13	0.13	0.12	0.11	0.07	0.05	0.03	0.01	1.32	0.00
80	0.00	0.02	0.04	0.08	0.19	0.38	0.50	0.56	0.60	0.64	0.67	0.67	0.67	0.55	0.30	0.13	0.06	0.01	6.08	0.00
70	0.00	0.03	0.09	0.25	0.80	1.63	2.11	2.40	2.65	2.79	2.79	2.68	2.42	1.75	0.82	0.25	0.08	0.02	23.6	12.0
60	0.01	0.05	0.16	0.63	2.10	4.08	5.73	7.07	8.09	8.44	8.04	7.10	5.67	3.69	1.73	0.54	0.11	0.02	63.3	59.5
50	0.01	0.06	0.27	1.24	3.75	7.22	10.6	13.5	15.5	16.0	14.8	12.5	9.57	6.17	2.96	0.93	0.16	0.02	115	113
40	0.01	0.08	0.45	2.08	5.74	10.4	14.7	18.4	20.9	21.6	19.8	16.6	12.7	8.42	4.15	1.31	0.23	0.02	158	156
30	0.01	0.09	0.57	2.68	7.28	12.7	17.7	21.7	24.7	26.0	24.0	20.2	15.5	10.5	5.53	1.80	0.31	0.03	191	190
20	0.01	0.12	0.79	3.48	8.93	14.8	20.4	24.3	27.5	29.1	26.9	22.4	17.2	11.5	6.14	2.02	0.35	0.03	216	215
10	0.01	0.11	0.78	3.59	9.32	15.4	21.3	25.7	29.4	31.6	29.4	24.2	18.6	12.5	6.96	2.39	0.42	0.03	232	230
0	0.01	0.13	0.90	3.86	9.64	15.7	21.5	26.1	30.2	32.4	29.8	24.3	18.5	12.5	6.90	2.36	0.42	0.03	235	234
-10	0.01	0.11	0.71	3.09	8.55	14.7	20.6	25.0	28.3	30.4	28.6	23.9	18.5	12.5	7.06	2.54	0.47	0.03	225	224
-20	0.01	0.11	0.70	3.14	8.20	13.9	19.0	23.0	26.1	27.3	25.0	20.9	16.1	10.8	5.69	1.83	0.31	0.02	202	201
-30	0.01	0.08	0.43	2.05	5.96	11.0	15.7	19.7	22.5	23.5	21.7	18.3	14.0	9.48	4.97	1.67	0.30	0.03	171	169
-40	0.01	0.07	0.35	1.54	4.43	8.34	12.2	15.4	17.7	18.2	16.7	14.1	10.8	7.07	3.41	1.07	0.18	0.02	132	129
-50	0.01	0.04	0.16	0.67	2.25	4.74	7.25	9.39	10.8	11.4	11.0	9.73	7.68	5.01	2.43	0.77	0.15	0.02	83.6	80.4
-60	0.01	0.03	0.10	0.35	1.11	2.12	2.83	3.49	4.05	4.43	4.59	4.45	3.84	2.61	1.17	0.33	0.08	0.02	35.6	26.1
-70	0.00	0.02	0.04	0.07	0.19	0.37	0.47	0.52	0.58	0.69	0.84	1.04	1.24	1.08	0.51	0.18	0.07	0.02	7.91	0.00
-80	0.00	0.01	0.02	0.04	0.04	0.05	0.06	0.08	0.09	0.10	0.11	0.13	0.18	0.17	0.09	0.07	0.05	0.01	1.30	0.00
-90	0.00	0.01	0.02	0.04	0.04	0.05	0.06	0.08	0.09	0.10	0.11	0.13	0.18	0.17	0.09	0.07	0.05	0.01	1.30	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.15	1.17	6.57	28.9	78.5	138	193	236	270	285	265	223	173	116	60.9	20.2	3.78	0.40	2100	---
Φ a	0.00	0.00	0.91	22.4	73.8	134	189	233	267	282	262	220	170	113	56.6	14.3	0.18	0.00	---	2038

H(β) Range:-90 - 90DEG
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V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B SYSTEM V1.0.250
 Humidity:65%
 Test Distance:9.900m [K=1.0000]
 Remarks: FL220-30W,90LM/W

ISOCANDELA DIAGRAM

Test:U:228.8V I:0.1590A P:34.80W PF:0.9540 Lamp Flux:2600x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:3KG
DIMENSION:	SPECIFICATION:FL220	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

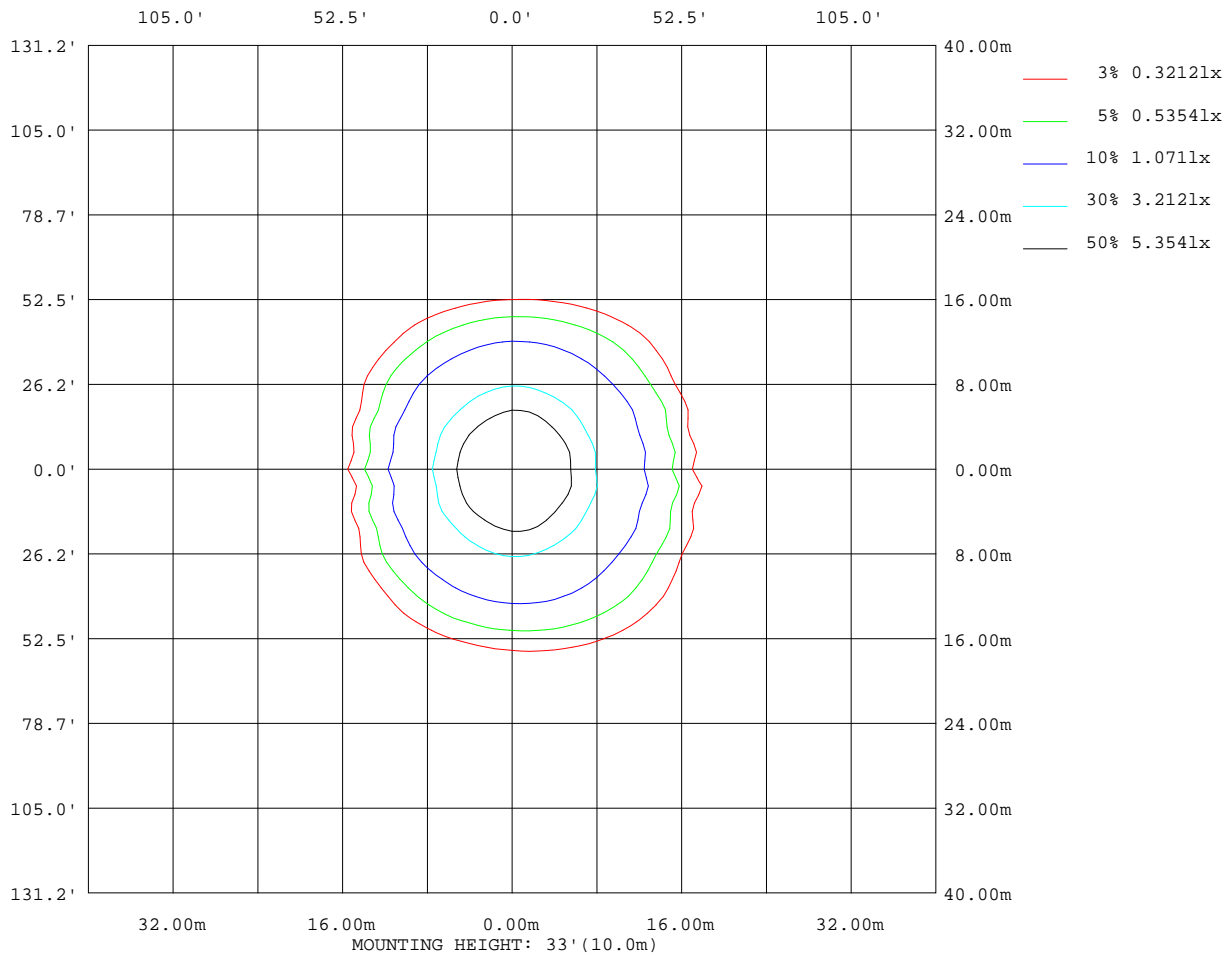


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 Test Speed: HIGH
 Temperature:30DEG
 Operators:IVY
 Test Date:2011-01-13

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B SYSTEM V1.0.250
 Humidity:65%
 Test Distance:9.900m [K=1.0000]
 Remarks: FL220-30W,90LM/W

ISOLUX DIAGRAM

Test:U:228.8V I:0.1590A P:34.80W PF:0.9540 Lamp Flux:2600x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:3KG
DIMENSION:	SPECIFICATION:FL220	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



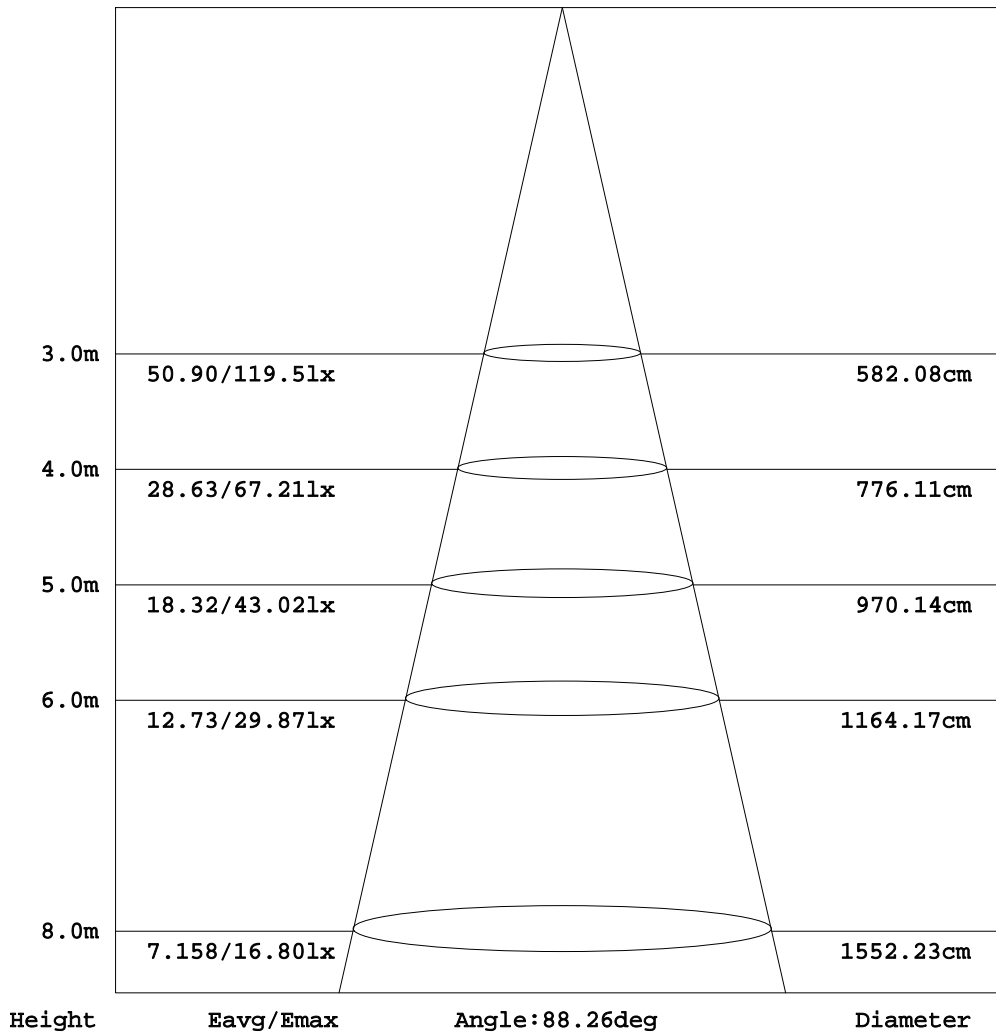
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:IVY
 Test Date:2011-01-13

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B SYSTEM V1.0.250
 Humidity:65%
 Test Distance:9.900m [K=1.0000]
 Remarks: FL220-30W,90LM/W

AAI Figure

Test:U:228.8V I:0.1590A P:34.80W PF:0.9540 Lamp Flux:2600x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:3KG
DIMENSION:	SPECIFICATION:FL220	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

Flux out:1390 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:2011-01-13

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B SYSTEM V1.0.250
 Humidity:65%
 Test Distance:9.900m [K=1.0000]
 Remarks: FL220-30W,90LM/W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:228.8V I:0.1590A P:34.80W PF:0.9540 Lamp Flux:2600x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:3KG
DIMENSION:	SPECIFICATION:FL220	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
-90	1.47	1.48	1.49	1.48	1.49	1.49	1.49	1.50	1.50	1.50	1.50	1.51	1.51	1.52	1.53	1.55	1.69	1.79	1.99
-85	1.56	1.58	1.58	1.58	1.58	1.70	1.93	2.32	2.68	3.01	3.36	3.73	4.16	4.52	4.87	5.18	5.49	5.80	6.13
-80	1.67	1.69	1.68	1.68	1.69	2.11	2.61	3.43	4.13	4.79	5.52	6.33	7.07	7.80	8.46	9.04	9.58	10.1	10.6
-75	1.74	1.78	1.79	1.91	2.37	3.35	4.20	5.22	6.97	11.4	16.9	21.4	24.4	26.2	27.7	29.0	30.9	32.0	34.0
-70	1.85	1.89	1.90	2.33	3.98	5.30	6.49	7.98	12.6	22.4	32.3	39.2	43.7	45.3	47.7	50.7	53.4	55.5	60.0
-65	1.98	2.04	2.18	3.35	4.85	6.98	9.51	15.4	27.6	44.8	65.4	83.3	95.9	106	116	125	132	140	147
-60	2.15	2.21	3.04	5.46	7.51	10.2	16.1	30.5	55.3	83.2	114	138	157	173	190	206	218	232	239
-55	2.29	2.35	2.66	5.13	7.65	10.9	17.7	33.6	61.5	98.4	142	184	221	254	283	311	329	349	362
-50	2.44	2.60	3.81	6.65	10.2	15.4	29.8	55.5	95.6	147	204	261	314	357	401	430	458	479	494
-45	2.58	2.67	4.07	7.11	11.1	18.8	36.9	68.8	117	180	248	313	372	424	470	510	543	570	589
-40	2.77	3.17	6.34	10.4	16.5	33.3	66.4	116	184	269	345	414	475	528	575	615	650	681	694
-35	2.83	2.96	5.14	8.42	13.9	26.3	54.9	104	172	261	351	431	499	558	613	659	699	733	760
-30	2.90	3.10	6.35	10.6	18.0	37.6	77.4	140	226	329	424	504	572	634	691	734	773	809	841
-25	2.99	3.15	5.94	10.2	17.9	37.2	77.6	142	233	342	442	528	603	668	723	768	808	847	884
-20	3.09	4.49	8.00	14.6	29.2	63.0	123	212	327	440	532	612	688	749	798	834	874	915	949
-15	3.07	3.19	6.52	11.3	20.1	44.1	92.0	159	264	387	490	580	661	737	795	838	879	924	967
-10	3.07	3.51	7.46	13.3	25.5	56.6	109	183	297	423	521	614	696	776	832	874	919	969	1017
-5	3.08	3.20	6.85	12.0	22.0	49.2	102	176	288	412	514	602	684	761	820	870	916	972	1024
0	3.07	5.20	9.37	16.4	35.3	75.5	148	251	376	488	580	658	738	798	851	901	957	1019	1070
5	2.95	3.06	6.74	12.0	22.0	49.2	101	183	296	418	517	604	685	761	814	862	909	961	1013
10	2.79	3.12	7.67	13.2	25.4	56.3	114	199	316	434	529	616	698	771	819	858	898	944	991
15	2.69	2.87	6.35	11.3	20.0	44.1	90.3	165	267	383	481	569	646	721	774	812	852	894	937
20	2.64	4.03	8.75	14.6	29.3	62.7	121	205	314	419	508	586	659	720	762	796	838	877	910
25	2.48	2.70	5.66	10.3	17.9	37.1	75.2	138	225	324	418	500	569	635	687	728	767	804	840
30	2.41	2.70	6.27	10.8	18.0	36.9	74.4	135	216	309	398	473	536	595	646	691	728	760	791
35	2.28	2.46	4.80	8.73	14.0	26.0	52.3	99.3	166	245	325	401	462	518	568	611	647	677	702
40	2.26	2.86	6.43	10.5	16.5	32.3	62.8	111	175	246	316	382	436	481	527	563	590	614	627
45	2.08	2.23	3.85	7.20	11.2	18.7	34.9	65.2	111	169	228	287	335	380	419	453	482	506	521
50	2.00	2.13	3.82	6.80	10.3	15.2	27.7	51.9	89.3	138	188	232	273	310	340	368	390	412	421
55	1.90	1.99	2.55	5.23	7.82	11.0	16.9	31.3	55.6	91.4	130	164	191	215	234	252	269	283	290
60	1.86	1.93	3.22	5.57	7.82	10.2	15.1	26.9	48.2	75.2	101	119	129	137	142	150	155	163	165
65	1.74	1.79	2.07	3.44	5.15	7.11	9.23	14.3	23.8	39.4	57.4	72.0	80.8	85.3	88.0	91.6	94.9	99.3	101
70	1.68	1.69	1.77	2.47	4.16	5.44	6.42	7.66	10.7	18.3	26.8	33.4	35.5	36.7	36.4	36.9	37.4	38.3	38.7
75	1.68	1.69	1.70	1.85	2.54	3.45	4.16	5.00	6.28	9.50	14.2	18.4	20.4	21.4	21.7	22.2	22.4	22.8	23.4
80	1.68	1.69	1.68	1.68	1.69	2.05	2.43	3.14	3.84	4.47	4.96	5.50	6.10	6.59	7.05	7.43	7.70	7.97	8.21
85	1.66	1.67	1.66	1.59	1.61	1.65	1.84	2.14	2.52	2.93	3.21	3.50	3.79	4.07	4.34	4.55	4.71	4.86	4.98
90	1.65	1.64	1.60	1.48	1.50	1.39	1.40	1.43	1.58	1.68	1.70	1.73	1.75	1.78	1.80	1.82	1.84	1.89	1.92

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V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:9.900m [K=1.0000]
Remarks: FL220-30W,90LM/W

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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	2.25	2.56	2.90	3.17	3.32	3.42	3.55	3.71	3.96	4.12	4.34	4.62	4.95	5.26	5.42	5.42	5.26	5.15
-85	6.54	6.99	7.51	8.11	8.99	10.3	12.4	13.9	13.3	11.1	8.65	7.28	6.82	6.58	6.31	5.95	5.57	5.09
-80	11.2	11.8	12.5	13.6	15.5	18.7	22.6	24.1	21.3	15.8	11.6	9.39	8.49	7.69	6.88	6.19	5.50	4.95
-75	36.2	39.2	42.0	45.2	48.8	52.9	57.6	60.1	56.2	45.8	33.0	22.9	15.4	11.0	8.87	7.39	6.25	5.20
-70	63.5	68.7	73.7	79.8	85.6	90.3	96.3	95.0	84.2	65.3	45.7	29.4	18.1	12.3	9.61	7.59	6.14	4.74
-65	154	158	163	166	167	166	162	152	133	107	77.1	51.4	30.9	18.2	11.9	8.81	6.66	5.06
-60	249	252	254	254	248	239	222	197	162	124	85.8	55.2	31.7	17.8	11.4	8.07	5.92	4.57
-55	371	373	373	362	351	334	310	279	239	193	144	98.9	61.4	34.8	18.7	11.1	7.51	5.17
-50	497	495	483	465	441	411	375	331	278	223	164	111	67.5	36.4	18.2	10.8	7.08	4.61
-45	596	590	575	551	521	487	445	399	346	281	213	148	92.3	51.9	25.3	12.9	8.01	5.10
-40	694	674	649	614	576	531	482	427	360	287	209	138	81.5	42.4	19.2	10.4	6.37	4.39
-35	771	764	738	704	663	619	566	509	446	373	289	205	130	75.3	36.1	16.1	8.77	5.15
-30	847	834	801	760	717	666	607	544	472	396	304	208	129	72.0	32.6	14.1	7.85	4.47
-25	901	895	864	819	771	722	663	594	522	443	353	250	157	90.7	42.7	17.6	9.07	5.03
-20	954	936	891	838	788	734	663	589	512	422	320	213	127	65.7	27.5	12.0	6.59	4.04
-15	998	998	970	921	860	801	741	662	583	498	408	298	192	111	54.7	22.0	10.1	5.37
-10	1049	1045	1014	955	884	820	759	671	588	505	409	296	185	105	49.6	19.2	9.32	5.08
-5	1061	1060	1028	968	895	827	764	685	600	518	425	311	200	115	56.6	22.4	10.1	5.23
0	1081	1055	998	922	851	783	712	627	547	459	354	235	139	72.9	29.6	12.2	6.53	3.80
5	1045	1039	1005	946	876	812	749	668	584	502	407	293	183	105	50.0	19.3	9.23	4.81
10	1013	1001	967	912	848	792	724	638	557	472	374	259	157	86.2	39.2	15.2	7.93	3.87
15	962	957	927	879	824	770	708	630	554	472	377	268	167	95.3	45.7	18.2	8.97	4.69
20	911	895	851	803	757	701	630	560	486	401	292	192	114	58.2	24.1	11.1	6.34	3.52
25	855	847	818	774	733	686	625	560	494	417	323	222	138	77.9	36.2	15.2	8.38	4.59
30	793	783	750	715	675	623	565	509	443	364	269	180	110	59.5	26.3	12.4	7.32	3.60
35	711	703	680	647	611	570	520	467	407	335	253	174	109	60.7	28.7	13.6	8.04	4.56
40	626	608	585	553	517	476	433	382	318	246	173	112	65.1	32.2	15.2	9.22	6.06	3.48
45	523	517	501	479	451	421	386	344	293	235	173	117	72.3	39.0	18.9	11.1	7.32	4.38
50	420	416	402	385	365	338	310	269	223	175	127	84.3	50.0	26.2	14.1	9.39	6.65	3.68
55	294	294	288	280	270	255	238	215	183	145	107	72.9	44.4	24.9	14.2	9.52	6.95	4.40
60	169	169	169	168	165	158	152	136	113	83.8	59.2	36.6	21.2	13.0	9.53	7.30	5.47	3.51
65	104	106	106	107	107	106	104	99.5	86.9	69.0	50.3	32.9	20.1	12.8	9.62	7.68	6.28	4.15
70	40.9	43.0	43.9	46.4	48.0	52.3	54.5	54.4	47.7	38.8	27.0	17.2	11.8	9.54	7.99	6.86	5.64	3.78
75	23.9	25.5	25.8	27.2	28.1	30.0	31.5	32.3	29.8	25.7	19.4	13.7	10.0	8.33	7.32	6.44	5.49	4.17
80	8.42	8.68	8.82	8.92	8.94	9.15	9.49	9.86	9.15	7.93	7.12	6.82	6.52	6.35	5.94	5.26	4.48	3.77
85	5.13	5.27	5.41	5.50	5.52	5.55	5.73	5.96	5.86	5.37	4.86	4.69	4.63	4.63	4.61	4.47	4.16	3.74
90	1.97	2.03	2.10	2.11	2.10	2.11	2.12	2.17	2.24	2.34	2.41	2.60	2.76	3.02	3.22	3.42	3.60	3.81

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2011-01-13

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:9.900m [K=1.0000]
Remarks: FL220-30W,90LM/W

50% Beam Angle : 88°-H X 93°-V

TOTAL FLUX : 2100 lm

EFFICIENCY : 80.8%

AVAILABILITY FLUX : 2038 lm

AVAILABILITY : 78.4%

