

Luminaire Photograph

LED FLOOD LIGHT LED FL290
FEELIGHT TECH CO., LIMITED



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-26

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: FL290B-40W, 90LM/W LED

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

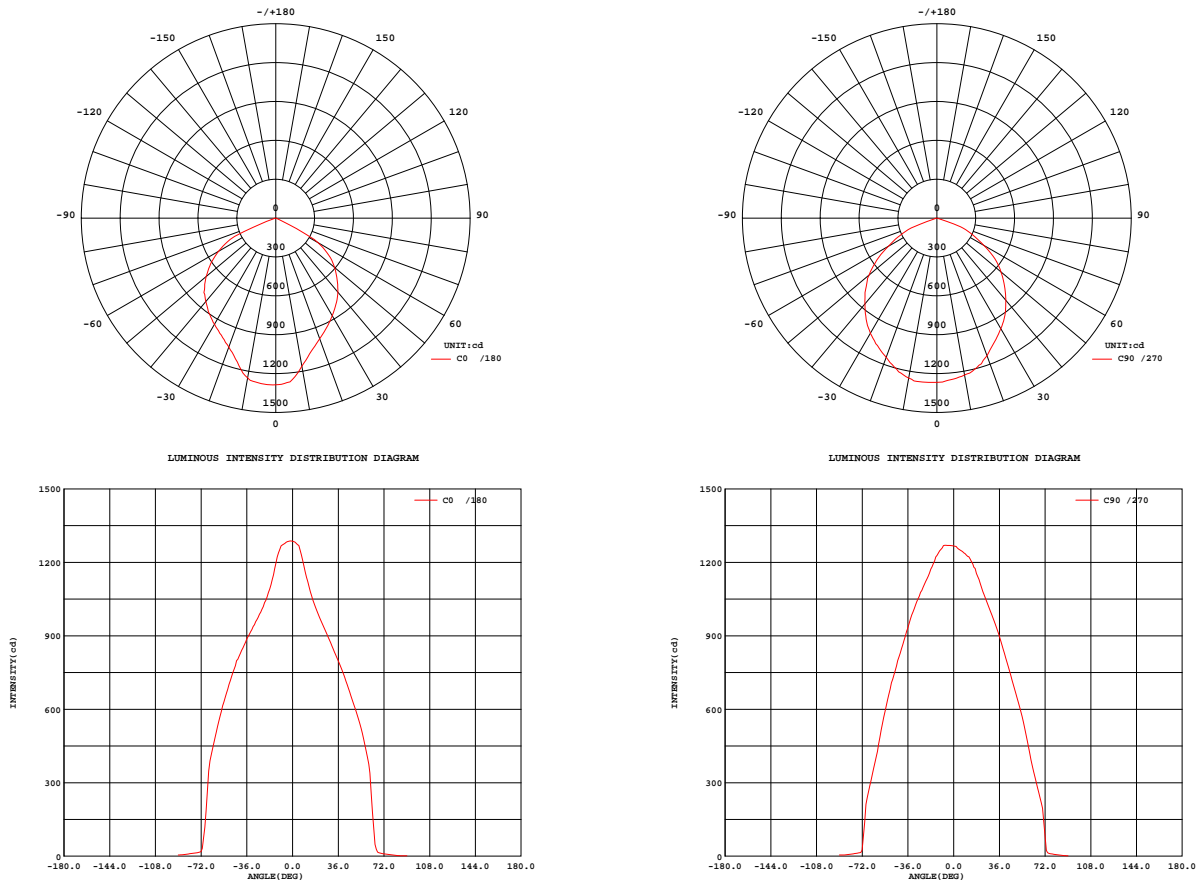


Fig. C0/C180

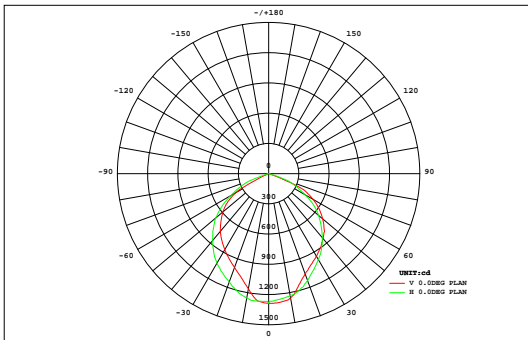
Fig. C90/C270

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-26

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: FL290B-40W, 90LM/W LED

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.5V I:0.2060A P:41.60W PF:0.9660 Lamp Flux:3500x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:3.62KGS
DIMENSION: 290*236*183mm	SPECIFICATION:FL290	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	FL290B-40W	Imax(cd)	1287
NOMINAL POWER(W)	46	AVAILABILITY(%)	81.1
RATED VOLTAGE(V)	218	Avai. FLUX(lm)	2837
NOMINAL FLUX(lm)	3500.0	EFFICIENCY(%)	82.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2871
TEST VOLTAGE(V)	218.9	θ @10%(H,V)	133,142DEG

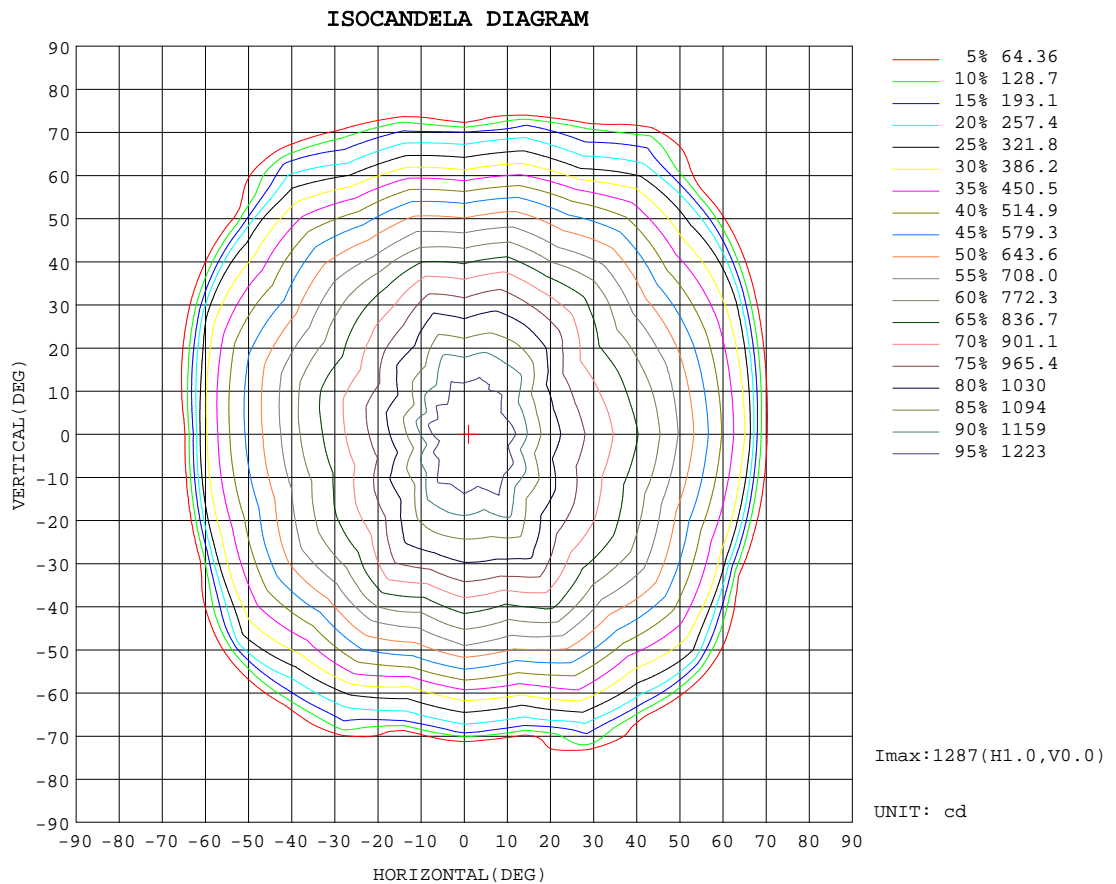
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.02	0.04	0.06	0.07	0.09	0.13	0.12	0.13	0.14	0.11	0.10	0.09	0.05	0.03	0.02	0.01		
90	0.00	0.01	0.02	0.04	0.06	0.07	0.09	0.13	0.12	0.13	0.14	0.11	0.10	0.09	0.05	0.03	0.02	0.01	1.23	0.00
80	0.00	0.02	0.04	0.08	0.15	0.25	0.76	1.64	1.51	1.69	2.09	1.28	0.79	0.38	0.11	0.06	0.03	0.01	10.9	4.93
70	0.00	0.03	0.07	0.18	1.61	4.34	6.47	8.87	9.45	9.72	9.63	7.48	5.95	3.55	0.51	0.10	0.04	0.01	68.0	64.9
60	0.01	0.04	0.11	0.60	5.34	9.66	12.4	15.6	16.6	16.9	16.3	13.6	11.1	7.44	2.37	0.15	0.06	0.01	128	127
50	0.01	0.05	0.16	2.88	8.80	13.6	17.2	20.8	22.5	22.8	21.6	18.5	15.1	10.3	5.61	0.78	0.07	0.02	181	180
40	0.01	0.05	0.55	5.98	11.0	16.2	20.9	25.2	27.9	28.2	26.3	22.5	17.8	12.4	7.68	2.20	0.09	0.02	225	224
30	0.01	0.06	1.35	7.83	12.9	18.0	23.3	28.2	32.0	32.4	30.0	25.1	19.4	14.3	9.12	3.40	0.11	0.02	258	257
20	0.01	0.06	1.79	8.61	14.3	19.7	24.7	30.2	35.2	36.1	32.5	26.0	20.9	15.7	10.1	4.16	0.14	0.02	280	279
10	0.01	0.06	1.83	8.78	14.5	20.3	25.8	31.3	37.1	37.6	33.2	27.1	22.0	16.5	10.6	4.51	0.16	0.02	292	291
0	0.01	0.06	1.66	8.58	14.3	19.9	25.3	31.1	37.2	38.2	33.4	27.2	22.0	16.5	10.5	4.33	0.15	0.02	290	290
-10	0.01	0.06	1.29	8.03	13.6	19.3	24.9	30.5	35.7	36.3	32.3	26.8	21.4	15.6	9.75	3.58	0.12	0.02	279	279
-20	0.01	0.06	0.65	7.01	12.9	18.5	23.6	29.3	32.4	32.8	30.7	25.4	20.4	14.8	8.77	2.32	0.10	0.02	260	259
-30	0.01	0.06	0.33	5.46	11.4	16.2	21.3	25.8	27.9	28.4	27.2	23.1	18.1	13.3	7.54	1.00	0.09	0.02	227	226
-40	0.01	0.05	0.19	3.50	8.91	12.8	17.6	20.5	22.6	23.1	21.8	19.5	14.8	10.6	5.42	0.44	0.08	0.02	182	181
-50	0.01	0.05	0.13	0.80	4.83	8.74	12.5	14.2	16.2	16.7	15.5	14.5	10.8	6.93	2.17	0.17	0.07	0.02	124	122
-60	0.01	0.04	0.10	0.18	0.63	3.26	5.90	6.46	8.42	8.91	7.89	8.11	5.37	1.53	0.25	0.13	0.05	0.01	57.2	52.7
-70	0.01	0.03	0.07	0.12	0.17	0.24	0.40	0.39	0.63	0.68	0.61	1.35	0.66	0.21	0.15	0.09	0.04	0.01	5.87	0.55
-80	0.01	0.03	0.06	0.08	0.10	0.13	0.15	0.16	0.17	0.18	0.17	0.18	0.16	0.12	0.10	0.07	0.04	0.01	1.89	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	0.12	0.83	10.4	68.7	135	201	263	320	364	371	342	288	227	160	90.7	27.5	1.46	0.30	2871	---
Φ a	0.00	0.00	6.92	66.0	133	199	261	319	362	369	340	286	225	158	88.4	24.1	0.00	0.00	---	2837

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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: FL290B-40W, 90LM/W LED

ISOCANDELA DIAGRAM

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DIMENSION: 290*236*183mm	SPECIFICATION:FL290	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

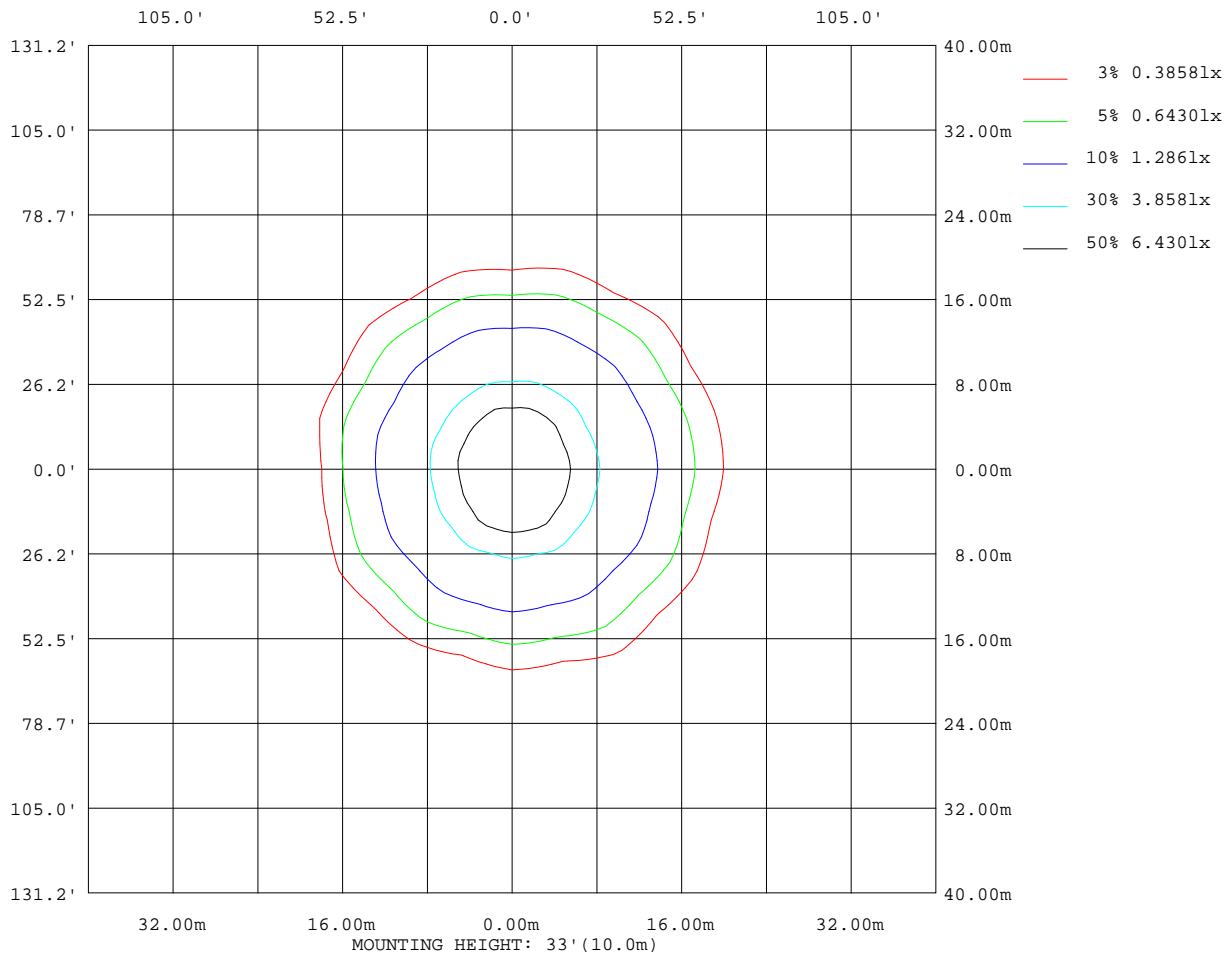


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Test Distance:9.900m [K=1.0000]
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ISOLUX DIAGRAM

Test:U:221.5V I:0.2060A P:41.60W PF:0.9660 Lamp Flux:3500x1 lm		
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DIMENSION: 290*236*183mm	SPECIFICATION:FL290	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



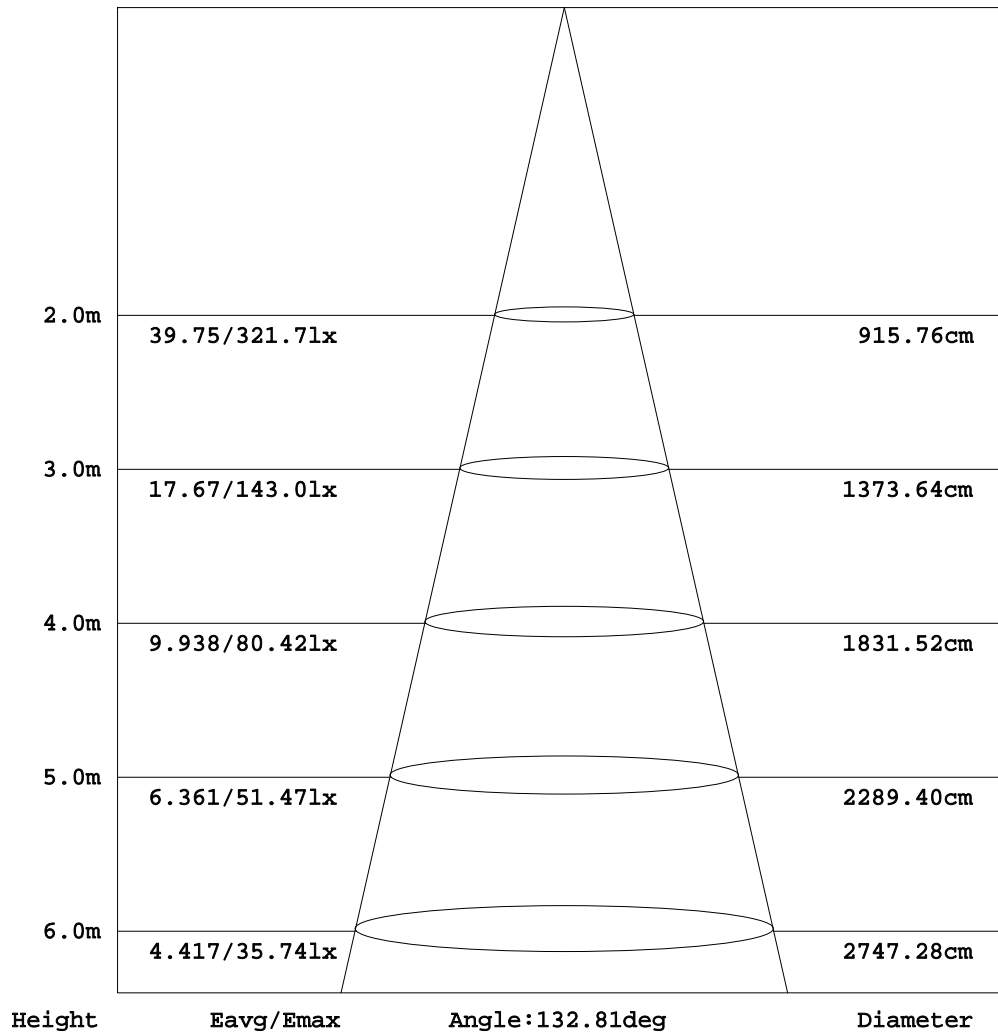
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-26

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: FL290B-40W, 90LM/W LED

AAI Figure

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DIMENSION: 290*236*183mm	SPECIFICATION:FL290	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

Flux out:2773 lm



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

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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	1.57	2.54	3.51	4.49	4.49	4.49	4.49	4.49	4.49	4.48	4.50	4.52	4.53	4.54	4.54	4.55	4.56	4.57	4.58
-85	1.57	2.54	3.50	4.47	4.49	4.50	4.53	4.55	4.56	4.54	4.68	4.88	5.15	5.06	4.92	4.72	5.01	5.31	5.60
-80	1.57	2.52	3.49	4.44	4.54	4.73	5.17	5.39	5.51	5.63	6.25	6.89	7.52	7.48	7.35	7.17	7.76	8.36	8.91
-75	1.57	2.51	3.46	4.41	4.77	5.54	6.52	6.98	7.31	7.63	8.42	9.34	10.3	10.5	10.6	10.7	11.6	12.5	13.3
-70	1.57	2.49	3.42	4.42	5.36	6.55	7.76	8.52	9.10	9.64	10.7	14.7	37.4	69.1	60.1	26.2	51.3	95.8	139
-65	1.57	2.47	3.39	4.66	6.13	7.57	8.98	10.0	11.0	13.1	41.0	129	201	225	234	238	261	288	310
-60	1.57	2.43	3.39	5.06	6.92	8.57	10.2	11.9	18.2	89.6	191	251	301	336	350	353	373	404	429
-55	1.57	2.39	3.50	5.55	7.66	9.59	11.6	16.9	114	240	292	353	412	466	477	484	507	542	568
-50	1.57	2.35	3.64	5.99	8.40	10.6	13.7	87.6	276	340	387	439	502	563	591	604	621	655	682
-45	1.57	2.30	3.79	6.37	9.12	11.7	34.2	204	360	416	462	508	578	645	683	699	712	748	777
-40	1.57	2.25	4.01	6.72	9.67	12.8	67.4	263	412	479	533	585	645	711	772	791	795	833	864
-35	1.57	2.20	4.19	7.03	10.1	13.8	89.9	334	451	536	602	652	700	771	847	886	892	923	951
-30	1.57	2.16	4.32	7.29	10.6	14.9	131	383	485	573	652	706	755	816	898	967	983	1005	1026
-25	1.57	2.11	4.41	7.53	11.0	19.0	203	409	512	600	679	746	798	851	924	1011	1049	1073	1085
-20	1.57	2.05	4.45	7.69	11.3	24.7	282	435	531	617	696	765	829	883	940	1023	1098	1135	1144
-15	1.57	1.99	4.45	7.74	11.5	32.2	336	461	552	629	706	775	839	905	968	1027	1127	1182	1206
-10	1.57	1.92	4.41	7.71	11.7	44.5	359	481	572	649	720	781	843	909	980	1059	1130	1235	1253
-5	1.57	1.84	4.32	7.61	11.7	49.2	371	495	585	663	736	799	859	915	970	1044	1158	1236	1269
0	1.57	1.77	4.19	7.43	11.5	48.1	376	502	593	670	746	810	872	931	992	1063	1161	1269	1286
5	1.57	1.79	4.25	7.55	11.8	70.1	381	506	597	676	751	816	879	939	1001	1071	1144	1249	1251
10	1.57	1.80	4.26	7.60	12.0	83.0	378	504	595	674	749	814	871	924	975	1038	1139	1193	1230
15	1.57	1.81	4.23	7.56	11.9	82.1	367	496	587	665	733	794	842	892	958	1039	1093	1179	1194
20	1.57	1.81	4.15	7.42	11.6	72.2	344	482	570	637	700	757	807	873	939	1001	1057	1139	1130
25	1.57	1.80	4.03	7.19	11.2	48.8	329	453	534	598	659	719	785	845	906	959	1021	1069	1054
30	1.57	1.79	3.86	6.89	10.7	27.7	260	410	493	554	614	688	753	809	861	915	975	999	986
35	1.57	1.76	3.65	6.50	9.98	17.9	154	360	443	505	579	650	713	759	806	861	915	926	915
40	1.57	1.73	3.40	6.06	9.19	13.2	63.7	293	384	463	540	605	657	696	735	787	834	837	828
45	1.57	1.71	3.11	5.53	8.36	11.3	21.3	148	323	410	487	555	591	627	665	707	740	743	738
50	1.57	1.68	2.84	4.98	7.49	9.56	12.2	32.7	209	349	424	478	512	544	588	629	654	653	646
55	1.57	1.65	2.55	4.42	6.43	8.07	9.85	12.0	96.1	246	354	390	420	448	494	535	556	555	546
60	1.57	1.63	2.25	3.82	5.35	6.78	8.01	12.1	58.5	162	265	290	310	338	384	421	434	429	418
65	1.57	1.61	2.02	3.22	4.39	5.44	6.48	7.85	13.1	57.5	137	189	208	234	270	304	314	311	304
70	1.57	1.59	1.82	2.61	3.44	4.22	4.96	6.18	7.71	9.47	14.2	34.5	73.6	121	164	196	200	200	196
75	1.57	1.58	1.68	2.08	2.52	3.01	3.52	4.61	5.77	6.91	7.41	7.68	7.87	8.98	10.8	14.7	15.1	13.7	11.4
80	1.57	1.57	1.61	1.73	1.86	2.00	2.15	3.00	3.96	4.94	5.09	5.15	5.20	5.96	6.76	7.53	7.44	7.26	7.03
85	1.57	1.57	1.58	1.60	1.61	1.61	1.61	1.91	2.35	2.87	2.86	2.84	2.78	3.30	3.84	4.37	4.19	3.97	3.73
90	1.57	1.57	1.57	1.58	1.57	1.57	1.57	1.58	1.59	1.61	1.61	1.62	1.63	1.66	1.69	1.72	1.71	1.70	1.68

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

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	4.58	4.58	4.58	4.61	4.64	4.67	4.65	4.64	4.62	4.63	4.64	4.65	4.64	4.64	4.64	4.69	4.74	4.79
-85	5.40	5.19	4.98	5.60	6.17	6.68	6.09	5.52	4.98	5.15	5.29	5.38	5.06	4.83	4.67	4.78	4.83	4.79
-80	8.56	8.16	7.77	8.35	8.89	9.28	8.50	7.69	6.94	6.93	6.88	6.77	5.96	5.33	4.88	4.92	4.92	4.79
-75	12.7	12.1	12.8	19.3	19.4	14.1	11.4	9.99	9.11	8.97	8.73	8.25	7.17	6.08	5.29	5.16	5.02	4.79
-70	116	83.8	56.3	103	152	163	92.3	29.3	11.4	11.0	10.5	9.78	8.44	7.06	5.84	5.48	5.13	4.79
-65	299	284	276	293	305	286	223	125	34.1	13.9	12.6	11.3	9.69	8.04	6.64	5.85	5.26	4.79
-60	421	408	405	421	433	398	340	277	208	86.6	19.4	13.1	10.9	9.00	7.43	6.27	5.42	4.79
-55	555	534	528	534	537	489	432	373	332	262	103	17.7	12.2	10.0	8.22	6.79	5.58	4.79
-50	669	647	642	642	628	577	515	460	418	364	243	52.5	13.7	10.9	9.01	7.28	5.75	4.79
-45	762	739	746	746	709	648	589	546	496	439	322	112	17.5	11.8	9.78	7.74	5.93	4.79
-40	849	826	839	847	781	714	660	619	567	496	397	179	24.5	13.0	10.5	8.22	6.10	4.79
-35	939	926	933	910	839	769	727	682	628	539	439	258	22.3	14.2	11.1	8.67	6.27	4.79
-30	1021	1016	1013	956	880	826	781	736	664	574	473	345	60.3	15.5	11.7	9.09	6.44	4.79
-25	1083	1083	1057	982	917	870	822	764	690	601	500	393	136	17.3	12.3	9.46	6.59	4.79
-20	1133	1148	1076	1000	951	902	845	784	709	621	528	428	220	22.7	12.9	9.77	6.73	4.79
-15	1193	1187	1085	1031	973	916	857	796	725	646	558	457	291	34.6	13.4	10.0	6.85	4.79
-10	1253	1208	1132	1047	979	923	866	812	748	671	583	480	338	51.0	13.8	10.3	6.94	4.79
-5	1263	1239	1127	1038	983	936	886	829	766	690	601	497	369	65.3	14.1	10.4	7.02	4.79
0	1282	1252	1149	1059	996	946	897	841	778	702	614	508	389	75.2	14.3	10.5	7.07	4.79
5	1246	1212	1132	1043	982	932	884	828	768	693	606	504	384	77.3	14.1	10.4	6.98	4.79
10	1227	1216	1111	1025	963	913	863	810	753	679	592	494	371	72.3	13.7	10.1	6.87	4.79
15	1201	1174	1122	1018	934	886	840	792	733	660	574	480	354	60.0	13.2	9.84	6.74	4.79
20	1143	1124	1074	1011	931	854	807	759	705	634	552	459	323	44.5	12.6	9.51	6.58	4.79
25	1073	1060	1025	978	916	843	775	724	667	598	522	433	279	25.8	12.0	9.14	6.40	4.79
30	1006	1001	967	924	878	819	752	684	624	557	486	396	215	18.1	11.2	8.71	6.20	4.79
35	936	937	900	856	818	781	715	647	573	510	442	352	139	14.4	10.5	8.24	5.98	4.79
40	847	855	819	773	744	714	668	604	529	458	389	294	72.3	12.6	9.70	7.73	5.76	4.79
45	755	763	735	698	669	645	617	551	479	401	332	189	22.0	11.1	8.91	7.17	5.54	4.79
50	661	669	655	623	590	567	537	488	420	344	256	77.0	12.5	9.77	8.12	6.65	5.30	4.79
55	563	574	563	532	495	472	447	417	350	272	114	16.1	10.4	8.54	7.30	6.11	5.07	4.79
60	438	451	446	416	377	355	342	322	258	143	30.1	10.2	8.70	7.47	6.42	5.56	4.85	4.79
65	320	332	331	301	267	245	237	223	166	80.7	21.0	8.15	7.32	6.46	5.52	4.96	4.63	4.79
70	210	221	227	201	174	152	131	114	72.1	21.1	7.97	6.61	6.09	5.36	4.68	4.41	4.44	4.79
75	18.3	23.4	24.2	16.5	12.1	10.6	12.8	9.90	8.27	7.12	6.10	5.21	4.78	4.31	3.77	3.91	4.27	4.79
80	7.48	7.87	8.17	7.49	6.79	6.10	6.12	6.13	6.08	5.33	4.52	3.72	3.49	3.23	2.98	3.48	4.11	4.79
85	4.13	4.52	4.87	4.46	4.04	3.60	3.82	4.03	4.21	3.59	2.97	2.38	2.36	2.35	2.35	3.14	3.96	4.79
90	1.83	1.97	2.11	2.00	1.90	1.79	1.94	2.08	2.23	2.07	1.91	1.75	1.79	1.84	1.89	2.86	3.82	4.79

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-26

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: FL290B-40W, 90LM/W LED

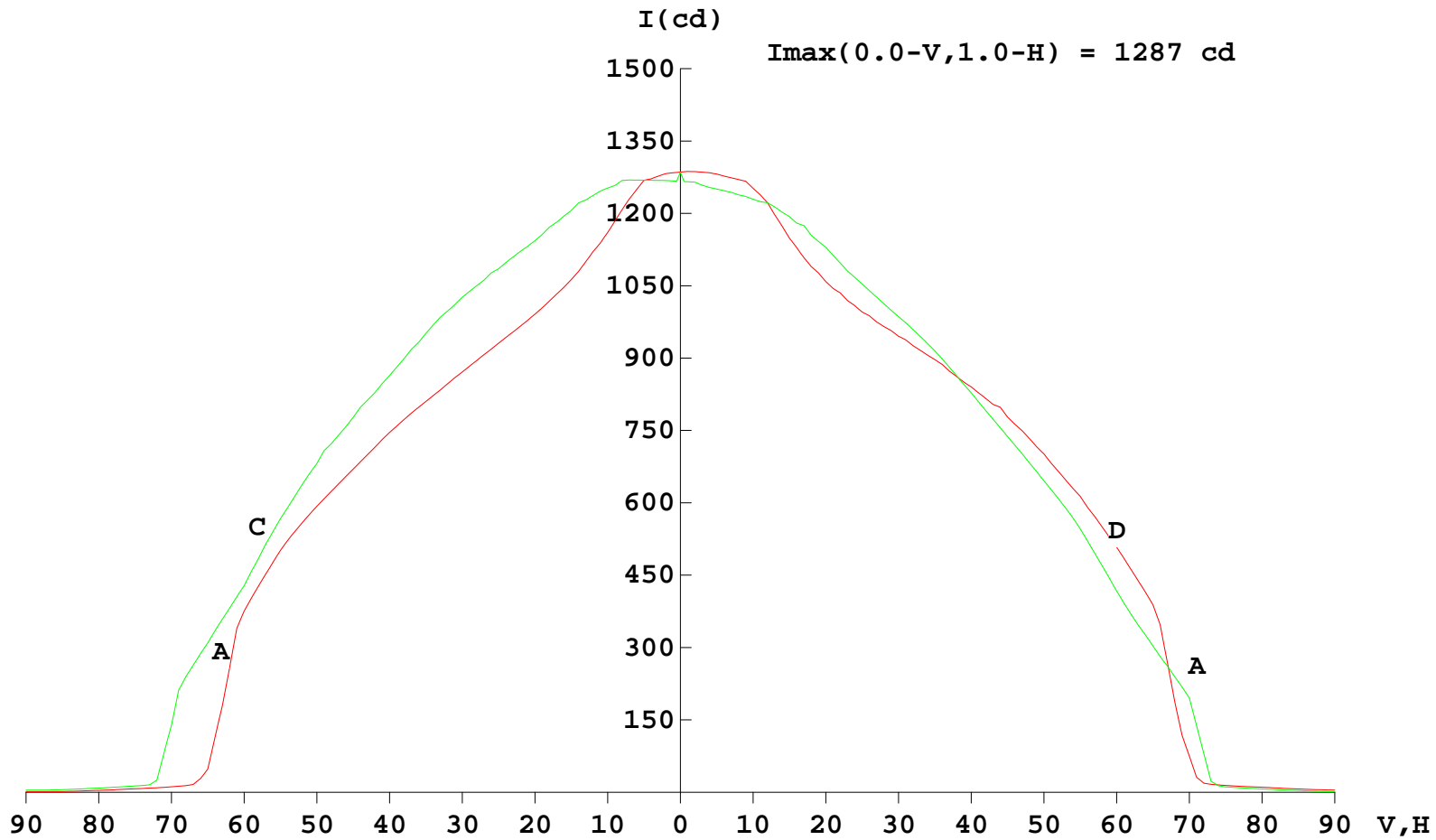
10% Beam Angle : 133°-H X 142°-V

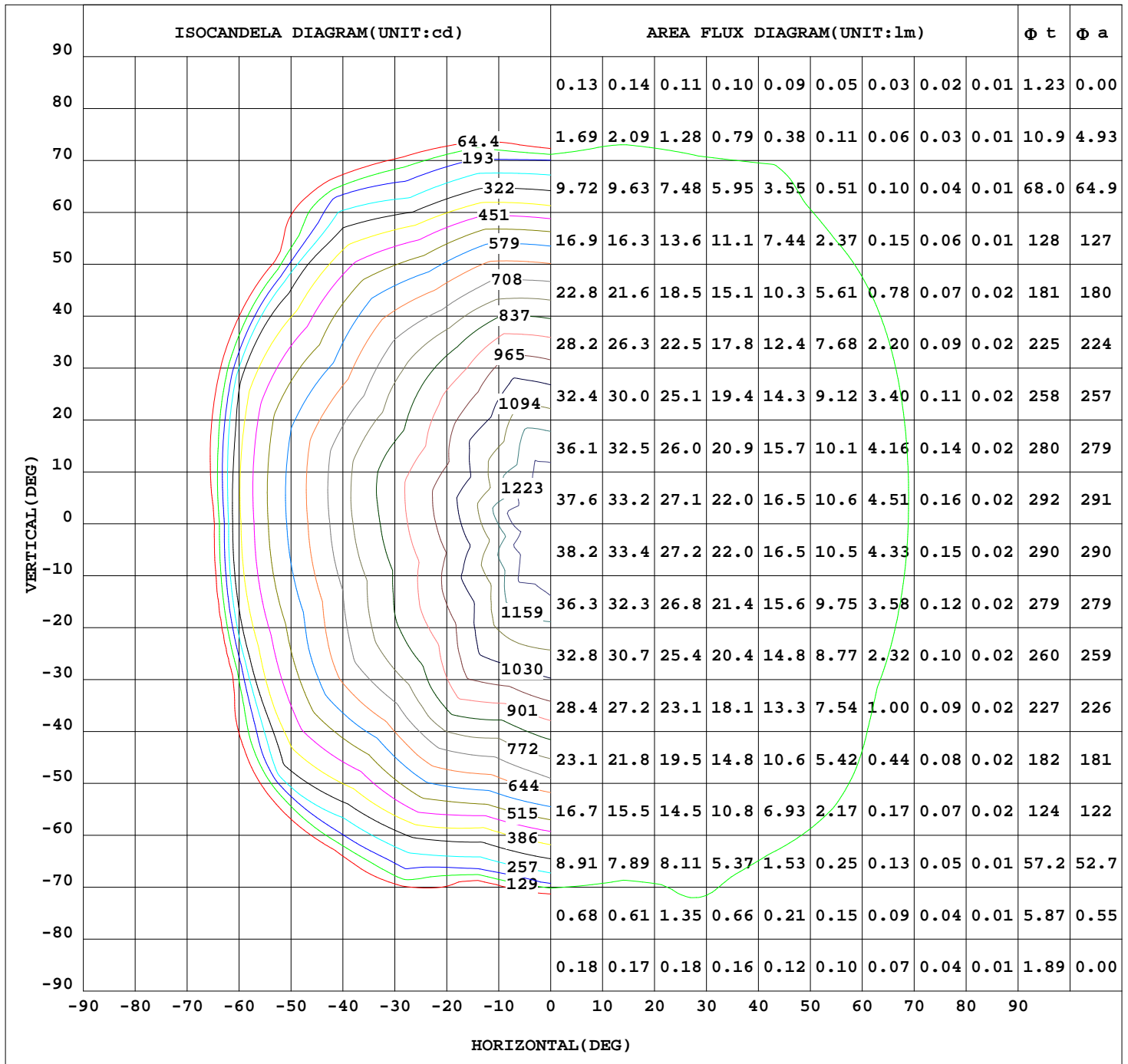
TOTAL FLUX : 2871 lm

EFFICIENCY : 82.0%

AVAILABILITY FLUX : 2837 lm

AVAILABILITY : 81.1%





Φ t	0.12	0.83	10.4	68.7	135	201	263	320	364	371	342	288	227	160	90.7	27.5	1.46	0.30	2871	---
Φ a	0	0	6.92	66.0	133	199	261	319	362	369	340	286	225	158	88.4	24.1	0	0	---	2837