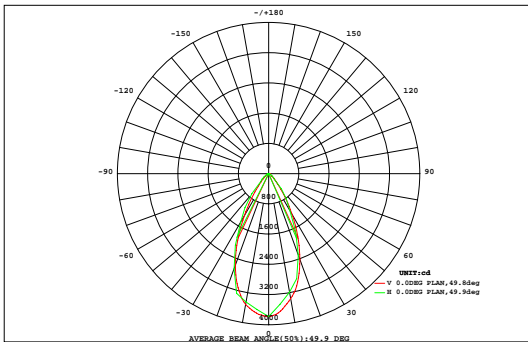


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Feelight Tech. Co., Limited	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:87.76lm/W	
MODEL	F4030	I <sub>max</sub> (cd)	3782
NOMINAL POWER(W)	33.7	AVAILABILITY(%)	89.1
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	2636
NOMINAL FLUX(lm)	2957.52	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	2958
TEST VOLTAGE(V)	224.3	θ @50%(H,V)	50,50DEG

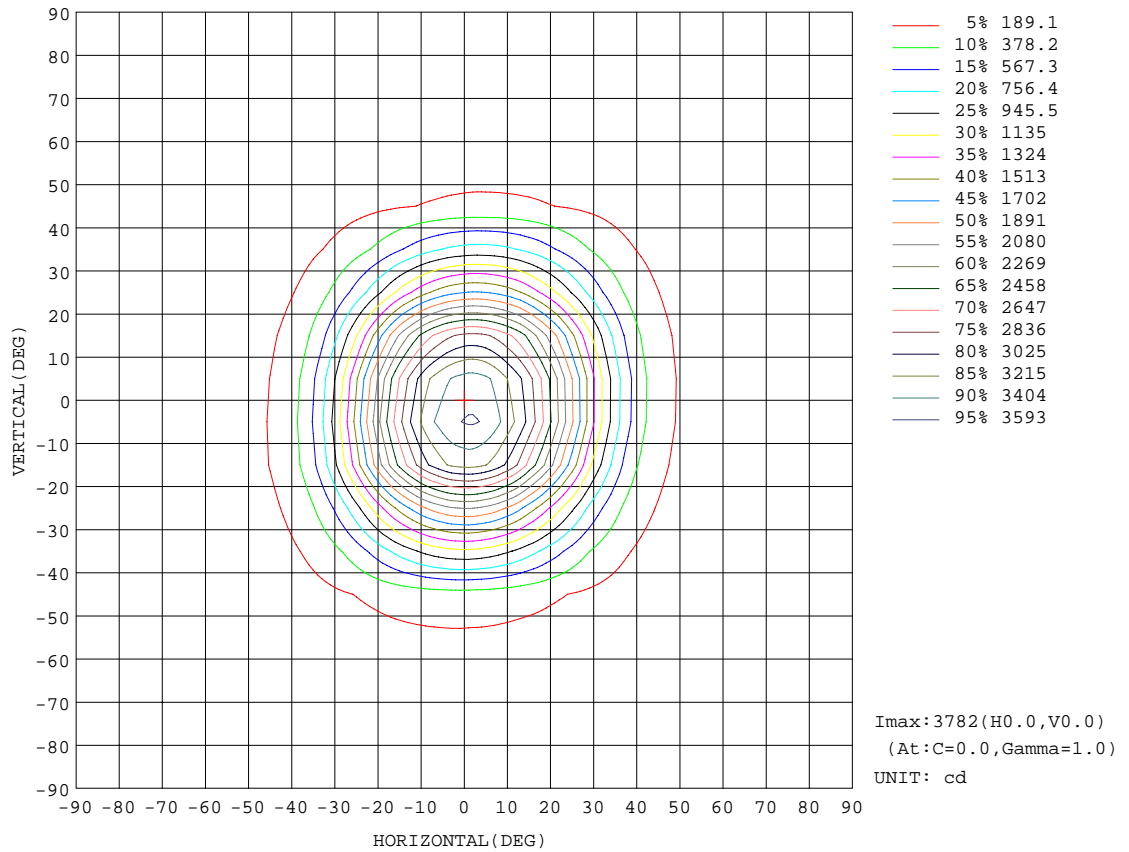
VERTICAL( DEG )	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
90	0.00	0.00	0.00	0.02	0.06	0.14	0.23	0.30	0.35	0.37	0.37	0.33	0.26	0.17	0.09	0.04	0.01	0.00	2.73	0.00
80	0.00	0.00	0.05	0.19	0.42	0.71	1.03	1.31	1.50	1.57	1.49	1.27	0.96	0.63	0.36	0.14	0.04	0.00	11.7	0.00
70	0.00	0.01	0.12	0.39	0.82	1.38	2.06	2.73	3.23	3.39	3.14	2.54	1.80	1.14	0.62	0.25	0.06	0.00	23.7	0.00
60	0.00	0.03	0.22	0.67	1.35	2.36	3.72	5.21	6.36	6.71	6.04	4.65	3.08	1.80	0.93	0.37	0.09	0.01	43.6	0.00
50	0.00	0.06	0.33	0.95	2.08	4.37	9.04	16.5	23.1	24.6	20.3	12.7	6.29	2.88	1.29	0.50	0.11	0.01	125	97.6
40	0.00	0.08	0.44	1.24	2.92	7.22	17.8	33.8	46.6	48.8	39.4	23.8	10.6	4.03	1.62	0.60	0.13	0.01	239	218
30	0.00	0.10	0.54	1.54	3.99	12.0	33.6	63.3	83.6	85.4	68.4	41.0	16.8	5.32	1.90	0.67	0.14	0.01	418	402
20	0.00	0.12	0.60	1.71	4.74	15.9	44.5	80.1	102	102	82.3	49.6	20.1	5.97	2.00	0.69	0.15	0.01	513	497
10	0.01	0.13	0.63	1.82	5.17	18.0	49.7	87.4	109	109	87.1	51.8	20.6	5.96	1.99	0.67	0.14	0.01	550	534
0	0.01	0.13	0.63	1.77	4.85	15.8	42.9	76.0	96.5	95.8	73.6	41.5	15.8	4.87	1.76	0.60	0.12	0.01	473	456
-10	0.01	0.12	0.57	1.55	3.89	10.9	27.3	48.2	61.5	60.3	45.1	24.9	9.90	3.60	1.44	0.50	0.10	0.00	300	281
-20	0.00	0.11	0.49	1.29	2.89	6.44	13.9	24.1	30.9	29.7	21.6	11.8	5.39	2.49	1.11	0.39	0.07	0.00	153	128
-30	0.00	0.08	0.39	0.98	1.97	3.60	5.93	8.21	9.37	8.65	6.64	4.53	2.80	1.58	0.77	0.26	0.04	0.00	55.8	20.9
-40	0.00	0.06	0.27	0.69	1.30	2.17	3.26	4.27	4.77	4.57	3.78	2.75	1.77	1.02	0.49	0.16	0.02	0.00	31.4	0.00
-50	0.00	0.04	0.16	0.41	0.74	1.09	1.41	1.59	1.62	1.56	1.42	1.17	0.85	0.52	0.24	0.07	0.01	0.00	12.9	0.00
-60	0.00	0.02	0.08	0.18	0.35	0.52	0.66	0.75	0.76	0.72	0.62	0.49	0.33	0.17	0.07	0.03	0.01	0.00	5.76	0.00
-70	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
-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	0.04	1.09	5.52	15.4	37.5	103	257	454	582	584	461	275	117	42.2	16.7	5.93	1.25	0.07	2958	---
Φ t	0.04	1.09	5.52	15.4	37.5	103	257	454	582	584	461	275	117	42.2	16.7	5.93	1.25	0.07	2958	---
Φ a	0.00	0.00	0.00	0.00	1.71	66.5	231	434	560	562	440	251	84.5	4.55	0.00	0.00	0.00	0.00	---	2636

one-half-peak spread: U:26.7,D:23.6 , L:25.5,R:24.6 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG	V(B) Range:-75 - 75DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Temperature:25.3DEG	Humidity:65.0%
Operators:YaoPeng	Test Distance:12.370m [K=1.0000]
Test Date:2013-06-07	Remarks:

ISOCANDELA DIAGRAM

NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Feelight Tech. Co., Limited	SUR.:	PROTECTION ANGLE:

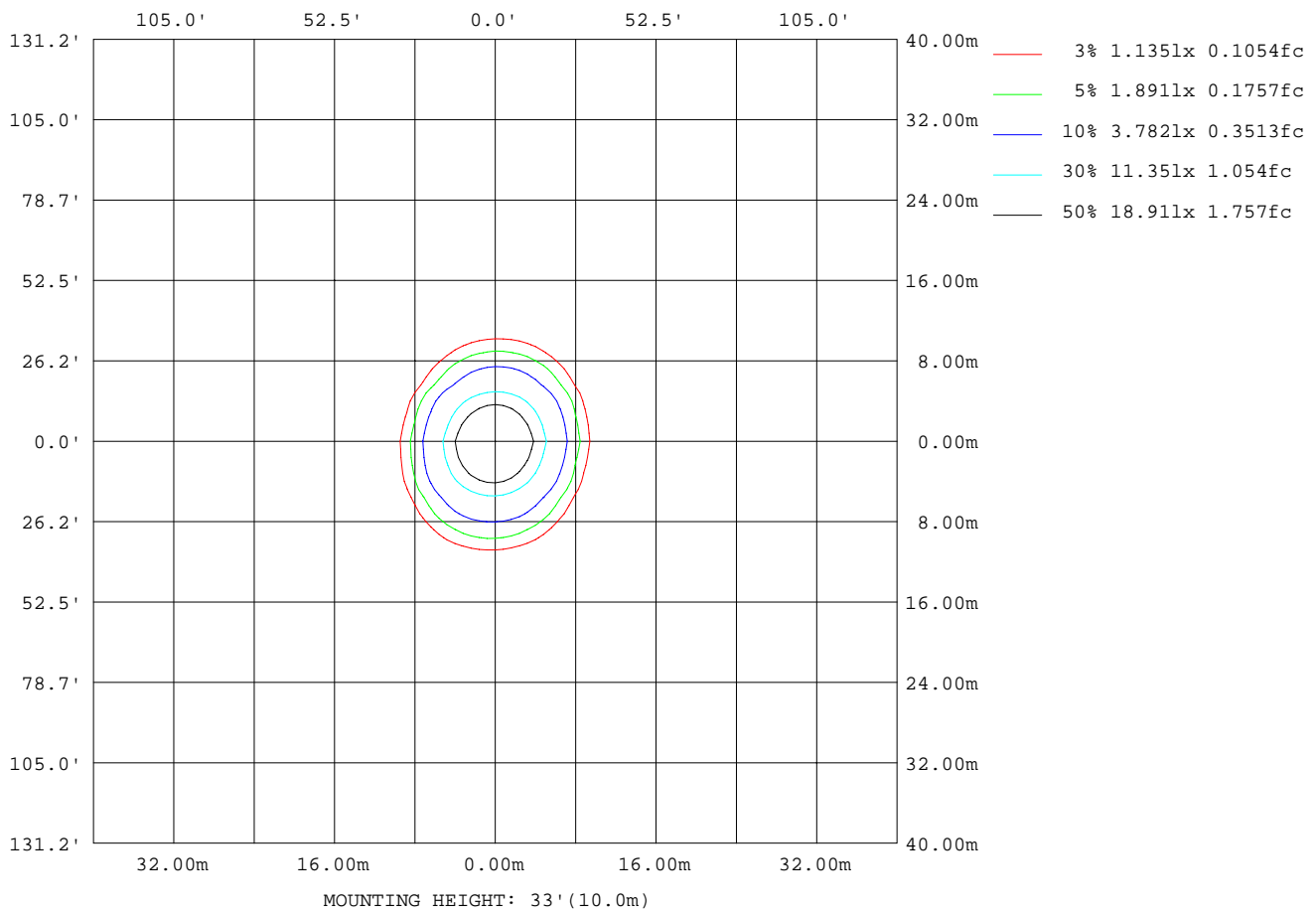


H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YaoPeng  
 Test Date:2013-06-07

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
 Humidity:65.0%  
 Test Distance:12.370m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Feelight Tech. Co., Limited	SUR.:	PROTECTION ANGLE:

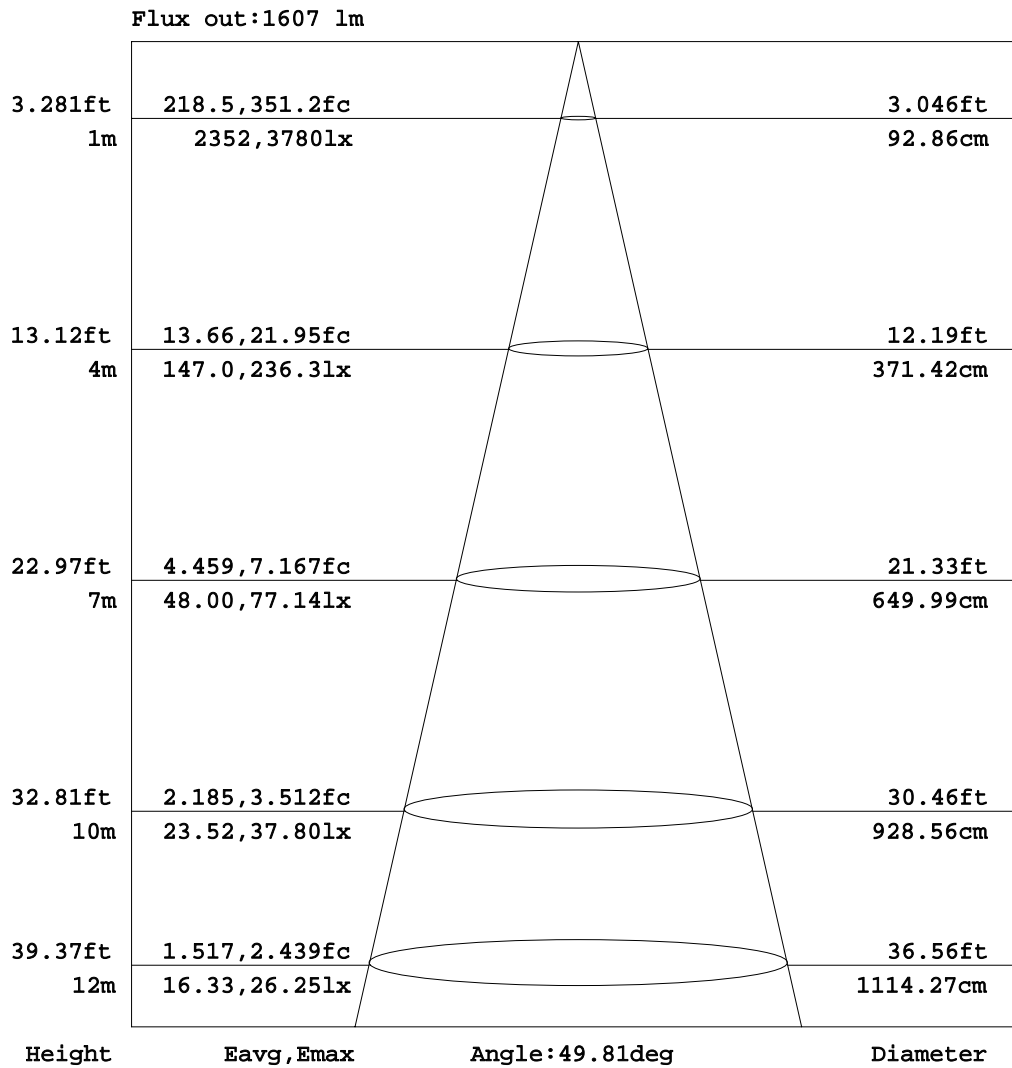


H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YaoPeng  
 Test Date:2013-06-07

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
 Humidity:65.0%  
 Test Distance:12.370m [K=1.0000]  
 Remarks:

AAI Figure

NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Feelight Tech. Co., Limited	SUR.:	PROTECTION ANGLE:

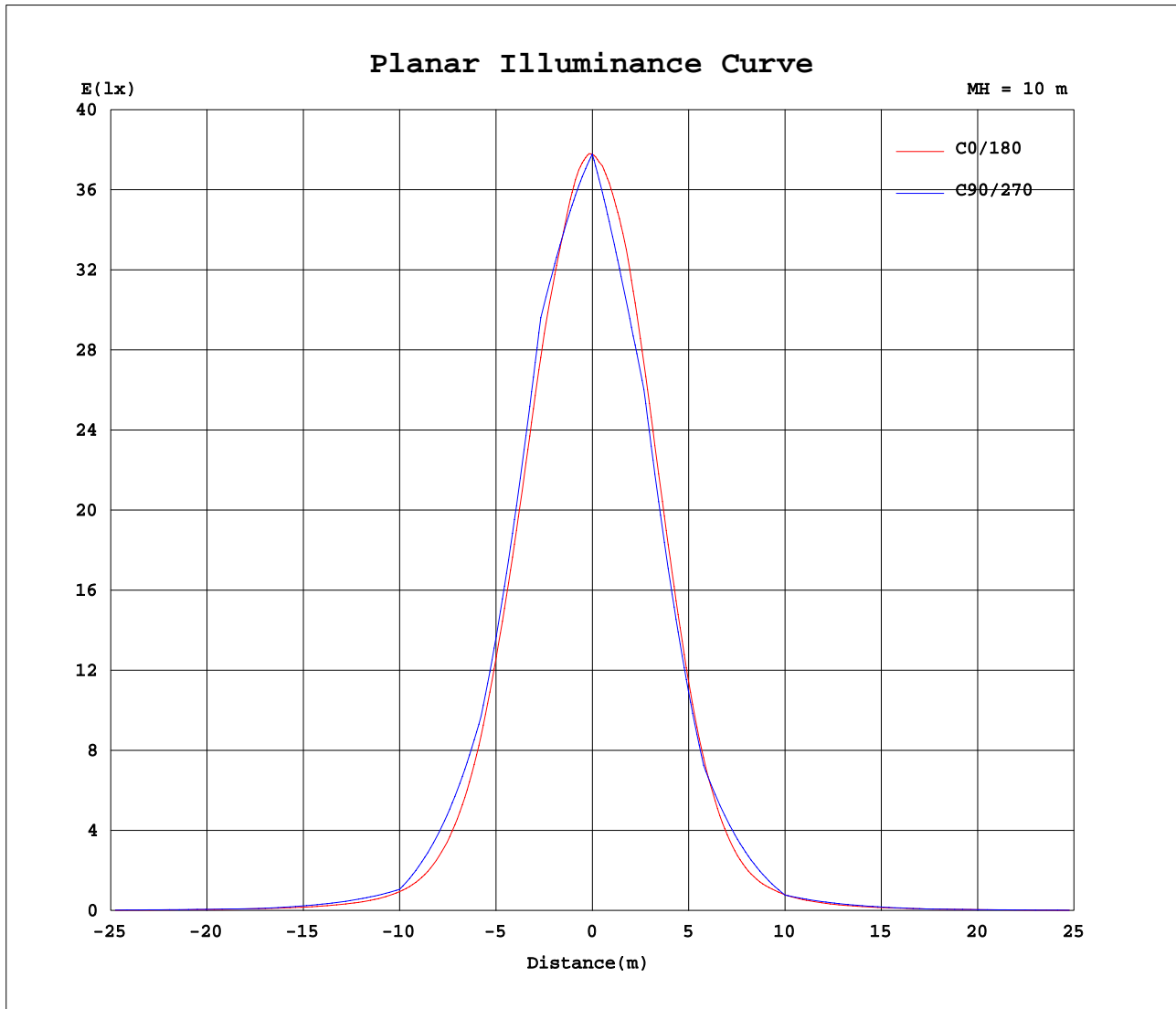


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YaoPeng  
 Test Date:2013-06-07

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
 Humidity:65.0%  
 Test Distance:12.370m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YaoPeng  
Test Date:2013-06-07

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
Humidity:65.0%  
Test Distance:12.370m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Feelight Tech. Co., Limited	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

H(β) \ V(β)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-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
-85	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
-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
-75	0.06	0.12	0.59	1.40	3.39	5.07	6.94	9.18	12.1	15.2	18.1	20.2	22.0	23.5	24.6	25.3	25.6	25.3	24.7
-70	0.06	0.28	1.30	3.49	6.22	9.52	13.3	17.5	21.8	26.2	30.4	34.1	37.8	40.9	43.4	45.0	45.6	45.5	44.9
-65	0.04	0.12	0.87	3.62	6.94	11.2	16.5	22.4	28.1	33.7	39.5	45.1	50.7	55.9	60.4	63.5	65.4	66.0	65.6
-60	0.05	0.46	2.36	6.42	10.6	16.9	24.4	32.0	38.8	45.8	53.2	60.5	68.1	74.7	80.4	84.0	85.9	86.4	85.7
-55	0.02	0.09	1.39	5.87	11.1	18.3	27.2	36.6	46.3	56.7	68.6	82.1	97.2	113	128	142	152	157	158
-50	0.02	0.45	3.60	9.23	16.8	26.7	37.4	48.9	61.9	76.6	94.4	115	139	163	188	209	223	231	228
-45	0.00	0.03	2.14	8.14	15.8	26.6	39.1	51.7	66.7	84.2	105	131	162	194	229	261	284	299	302
-40	0.01	0.41	4.87	11.9	22.5	35.5	49.7	66.2	87.2	115	152	207	282	378	484	578	652	694	695
-35	0.00	0.08	2.88	9.75	19.9	33.6	48.9	66.6	89.5	121	166	234	338	479	656	826	966	1061	1097
-30	0.01	0.34	6.18	14.5	27.7	43.5	61.2	83.9	115	160	227	336	495	718	969	1191	1371	1475	1487
-25	0.01	0.07	3.60	11.0	23.2	39.1	57.0	79.6	111	158	234	367	589	888	1244	1574	1845	2020	2089
-20	0.00	0.30	6.67	16.0	30.8	48.3	69.4	98.0	140	207	330	555	902	1339	1792	2186	2483	2655	2683
-15	0.00	0.00	4.30	11.9	25.5	43.2	63.6	90.7	131	194	309	528	913	1421	1993	2506	2919	3175	3278
-10	0.00	0.26	6.71	16.5	32.1	50.7	73.7	106	155	237	395	700	1165	1746	2329	2832	3197	3398	3447
-5	0.00	0.03	3.97	11.4	25.0	43.0	63.8	91.3	133	201	326	582	1012	1587	2219	2788	3229	3485	3603
0	0.00	0.22	6.30	15.9	31.7	50.5	74.2	107	159	249	421	771	1284	1939	2580	3128	3512	3705	3782
5	0.00	0.03	3.43	10.5	23.5	41.1	61.4	87.7	128	191	307	545	945	1489	2094	2653	3086	3344	3470
10	0.00	0.15	5.47	14.0	28.6	46.6	68.0	97.0	141	213	344	601	1007	1526	2070	2552	2912	3114	3185
15	0.00	0.00	2.69	9.19	21.1	37.5	56.2	79.9	114	166	253	418	711	1128	1618	2102	2488	2752	2878
20	0.00	0.11	4.35	11.6	24.3	40.6	59.2	83.2	118	170	259	420	688	1032	1417	1777	2062	2236	2299
25	0.00	0.00	1.78	7.19	16.3	30.3	46.5	65.4	90.6	126	181	273	426	643	906	1189	1430	1607	1699
30	0.00	0.10	2.95	8.69	18.7	32.5	47.8	65.9	89.1	120	164	230	326	456	621	803	961	1073	1124
35	0.00	0.00	0.93	5.13	11.8	22.6	36.0	50.6	68.4	90.9	121	164	225	311	418	547	665	759	813
40	0.00	0.03	1.70	6.01	12.7	23.1	35.4	48.7	64.2	83.5	109	142	188	245	315	389	454	500	523
45	0.00	0.00	0.15	2.99	7.51	14.5	24.6	35.7	47.0	59.8	74.6	91.4	110	131	154	175	194	209	220
50	0.00	0.00	0.77	3.46	7.59	14.3	22.9	32.3	42.3	53.3	65.5	79.3	94.4	111	127	142	155	165	171
55	0.00	0.00	0.07	1.34	3.89	8.21	13.9	21.2	29.4	37.8	46.4	55.8	66.0	76.9	87.9	98.0	107	114	119
60	0.00	0.00	0.16	1.05	3.31	6.34	10.4	16.5	23.3	29.0	34.6	40.4	46.3	52.0	56.9	61.3	64.8	67.4	69.0
65	0.00	0.00	0.02	0.35	1.39	3.45	5.93	9.75	14.6	19.1	23.2	27.8	32.4	36.8	40.8	44.2	47.2	49.4	50.9
70	0.00	0.00	0.05	0.35	1.16	2.34	4.07	6.75	9.77	12.5	15.4	18.9	22.2	25.0	27.5	29.7	31.5	32.8	33.6
75	0.00	0.00	0.00	0.00	0.01	0.22	0.68	1.36	2.59	3.67	5.05	7.23	9.44	11.0	12.3	13.5	14.5	15.2	15.8
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
85	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

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YaoPeng  
Test Date:2013-06-07

V(β) Range:-75 - 75DEG  
V(β) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
Humidity:65.0%  
Test Distance:12.370m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: Feelight Tech. Co., Limited	SUR.:	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	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	
-85	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	
-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	
-75	24.1	23.1	21.8	20.2	18.4	16.4	14.1	11.1	8.45	6.50	4.88	3.14	2.25	1.76	1.65	1.66	1.70	1.73	
-70	43.6	41.8	39.2	36.2	32.6	28.8	24.5	20.0	16.1	12.5	8.81	5.73	3.75	2.32	1.55	1.34	1.34	1.37	
-65	64.3	62.0	58.8	54.6	49.7	44.3	38.4	32.3	26.7	21.4	15.6	10.4	6.70	4.06	1.90	1.04	0.97	0.98	
-60	83.3	80.0	75.3	69.5	62.5	55.1	47.5	40.0	33.1	25.7	18.1	11.7	7.37	3.56	1.31	0.63	0.61	0.61	
-55	154	145	133	119	104	89.3	74.6	61.2	49.9	39.5	29.6	20.5	13.1	7.50	3.41	1.05	0.52	0.49	
-50	219	201	180	157	134	111	90.4	73.1	58.4	45.2	33.7	22.6	14.0	7.51	3.15	0.72	0.41	0.38	
-45	294	272	245	214	182	151	122	97.5	78.1	61.0	46.8	33.3	21.5	12.1	6.19	1.68	0.34	0.27	
-40	658	590	500	402	305	224	163	120	90.4	67.7	50.2	34.7	21.8	12.0	5.44	1.17	0.23	0.20	
-35	1061	969	829	668	503	357	249	172	125	90.8	66.8	48.0	32.0	18.8	9.47	3.48	0.37	0.12	
-30	1402	1249	1035	804	575	394	264	181	129	93.1	67.7	48.0	30.6	17.1	8.19	2.00	0.08	0.05	
-25	2036	1875	1611	1307	982	668	434	269	178	121	86.1	61.1	41.4	24.9	12.6	5.09	0.58	0.05	
-20	2567	2323	1954	1551	1126	744	451	271	174	119	83.1	57.6	37.9	21.6	10.2	3.16	0.19	0.04	
-15	3220	2989	2591	2132	1618	1084	678	388	238	153	105	72.8	49.7	30.3	15.5	6.52	0.97	0.06	
-10	3316	3026	2599	2088	1544	1023	613	351	212	140	95.0	65.3	43.6	25.2	12.0	4.27	0.26	0.03	
-5	3558	3316	2967	2474	1916	1338	844	486	278	173	116	79.6	54.1	33.6	17.7	7.66	1.36	0.02	
0	3647	3359	2971	2418	1830	1233	753	419	242	155	103	71.0	47.8	28.0	13.7	5.34	0.30	0.00	
5	3438	3216	2902	2431	1893	1342	852	494	283	176	118	81.3	55.5	34.8	18.7	8.26	1.63	0.02	
10	3085	2851	2483	2027	1521	1028	631	364	220	146	98.7	68.6	46.5	27.6	13.6	5.47	0.45	0.00	
15	2859	2689	2397	2001	1551	1096	702	414	252	163	111	77.9	54.0	34.1	18.6	8.32	1.76	0.05	
20	2238	2074	1791	1465	1096	749	473	290	187	128	89.7	63.5	43.2	26.0	13.0	5.42	0.54	0.00	
25	1700	1610	1435	1199	932	671	449	288	192	133	94.3	68.1	48.1	30.5	16.8	7.83	1.75	0.02	
30	1107	1030	897	730	552	398	280	197	142	103	76.4	55.7	38.1	23.3	11.9	5.19	0.56	0.01	
35	821	786	705	596	472	355	257	185	136	101	75.4	56.2	40.0	25.5	14.3	6.89	1.61	0.03	
40	517	487	434	366	293	227	171	130	99.6	76.3	58.4	43.3	29.6	18.1	9.69	4.03	0.50	0.00	
45	222	218	209	192	172	149	126	104	85.9	69.0	54.6	42.1	29.8	19.2	10.9	5.51	1.34	0.08	
50	171	166	158	144	128	112	94.3	78.7	64.7	52.6	41.3	30.9	21.1	13.1	7.33	2.85	0.39	0.00	
55	121	119	115	108	98.6	87.7	76.2	64.9	55.1	45.7	36.8	28.0	19.9	13.0	7.76	3.64	0.90	0.04	
60	69.7	69.0	67.6	64.4	60.1	54.9	49.1	43.2	37.4	31.7	25.0	18.5	12.6	8.32	4.84	1.65	0.25	0.02	
65	51.8	51.9	51.2	49.4	46.7	43.1	38.9	34.5	29.9	25.5	20.9	15.9	11.3	7.41	4.58	2.03	0.53	0.04	
70	34.3	34.2	33.6	32.3	30.4	28.0	25.3	22.1	18.9	15.8	12.6	9.49	6.55	4.07	2.36	0.82	0.20	0.00	
75	16.4	16.8	16.8	16.4	15.9	15.1	13.9	12.3	10.4	8.48	6.91	5.53	4.15	2.52	1.39	0.69	0.23	0.07	
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	
85	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	

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YaoPeng  
Test Date:2013-06-07

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.274  
Humidity:65.0%  
Test Distance:12.370m [K=1.0000]  
Remarks: