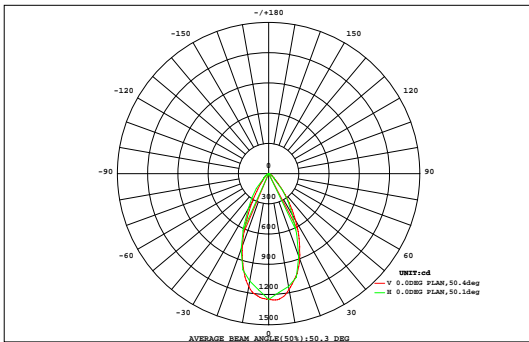


LUMINAIRE PHOTOMETRIC TEST REPORT

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



DATA OF LAMP		Eff:80.88lm/W	
MODEL	F4010	Imax(cd)	1255
NOMINAL POWER(W)	12.3	AVAILABILITY(%)	89.7
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	892.3
NOMINAL FLUX(lm)	994.832	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	994.8
TEST VOLTAGE(V)	222.0	θ @50%(H,V)	50,51DEG

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	0.00	0.01	0.00	
90	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.09	0.11	0.13	0.13	0.12	0.08	0.03	0.01	0.00	0.00	0.00	0.00	0.76	0.00	
80	0.00	0.00	0.00	0.01	0.07	0.19	0.32	0.45	0.54	0.59	0.57	0.49	0.37	0.22	0.09	0.02	0.00	0.00	0.00	3.93	0.00	
70	0.00	0.00	0.00	0.04	0.18	0.43	0.69	0.99	1.24	1.37	1.30	1.06	0.75	0.45	0.19	0.04	0.00	0.00	0.00	8.73	0.00	
60	0.00	0.00	0.01	0.11	0.38	0.77	1.31	1.99	2.59	2.88	2.68	2.08	1.34	0.75	0.34	0.09	0.01	0.00	0.00	17.3	0.00	
50	0.00	0.00	0.02	0.20	0.62	1.42	3.15	6.15	9.26	10.5	9.16	6.16	3.06	1.29	0.52	0.14	0.01	0.00	0.00	51.7	44.0	
40	0.00	0.00	0.04	0.30	0.88	2.26	5.85	12.1	17.9	19.8	16.8	11.0	5.21	1.90	0.69	0.19	0.02	0.00	0.00	94.9	89.0	
30	0.00	0.00	0.07	0.39	1.16	3.47	10.3	21.4	30.2	32.3	26.8	17.6	8.23	2.66	0.83	0.22	0.03	0.00	0.00	156	151	
20	0.00	0.00	0.08	0.42	1.29	4.15	12.6	25.4	34.4	35.8	29.9	19.7	9.36	2.99	0.88	0.23	0.03	0.00	0.00	177	173	
10	0.00	0.00	0.08	0.44	1.34	4.37	13.2	26.1	34.9	36.1	30.2	19.8	9.36	2.96	0.88	0.23	0.03	0.00	0.00	180	175	
0	0.00	0.00	0.07	0.41	1.19	3.54	10.3	20.6	28.3	29.7	24.6	15.8	7.17	2.30	0.76	0.20	0.02	0.00	0.00	145	140	
-10	0.00	0.00	0.06	0.32	0.92	2.42	6.27	12.2	17.0	18.1	15.1	9.61	4.40	1.62	0.60	0.16	0.02	0.00	0.00	88.8	82.8	
-20	0.00	0.00	0.04	0.23	0.65	1.43	2.89	5.33	7.65	8.48	7.19	4.60	2.26	1.04	0.44	0.11	0.01	0.00	0.00	42.4	33.7	
-30	0.00	0.00	0.02	0.13	0.41	0.80	1.36	1.99	2.46	2.56	2.21	1.64	1.07	0.63	0.27	0.06	0.00	0.00	0.00	15.6	4.14	
-40	0.00	0.00	0.01	0.06	0.22	0.46	0.74	1.03	1.25	1.32	1.21	0.96	0.66	0.38	0.15	0.03	0.00	0.00	0.00	8.49	0.00	
-50	0.00	0.00	0.00	0.01	0.08	0.19	0.29	0.37	0.43	0.43	0.42	0.37	0.29	0.17	0.05	0.01	0.00	0.00	0.00	3.11	0.00	
-60	0.00	0.00	0.00	0.00	0.02	0.04	0.09	0.13	0.15	0.16	0.16	0.14	0.08	0.03	0.01	0.00	0.00	0.00	0.00	1.03	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	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	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	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90					
Φ t	0.00	0.02	0.49	3.07	9.42	25.9	69.5	136	188	200	168	111	53.7	19.4	6.71	1.74	0.19	0.00	0.00	995	---	
Φ a	0.00	0.00	0.00	0.00	0.00	13.1	60.4	129	181	192	161	104	44.9	7.05	0.00	0.00	0.00	0.00	0.00	---	892	

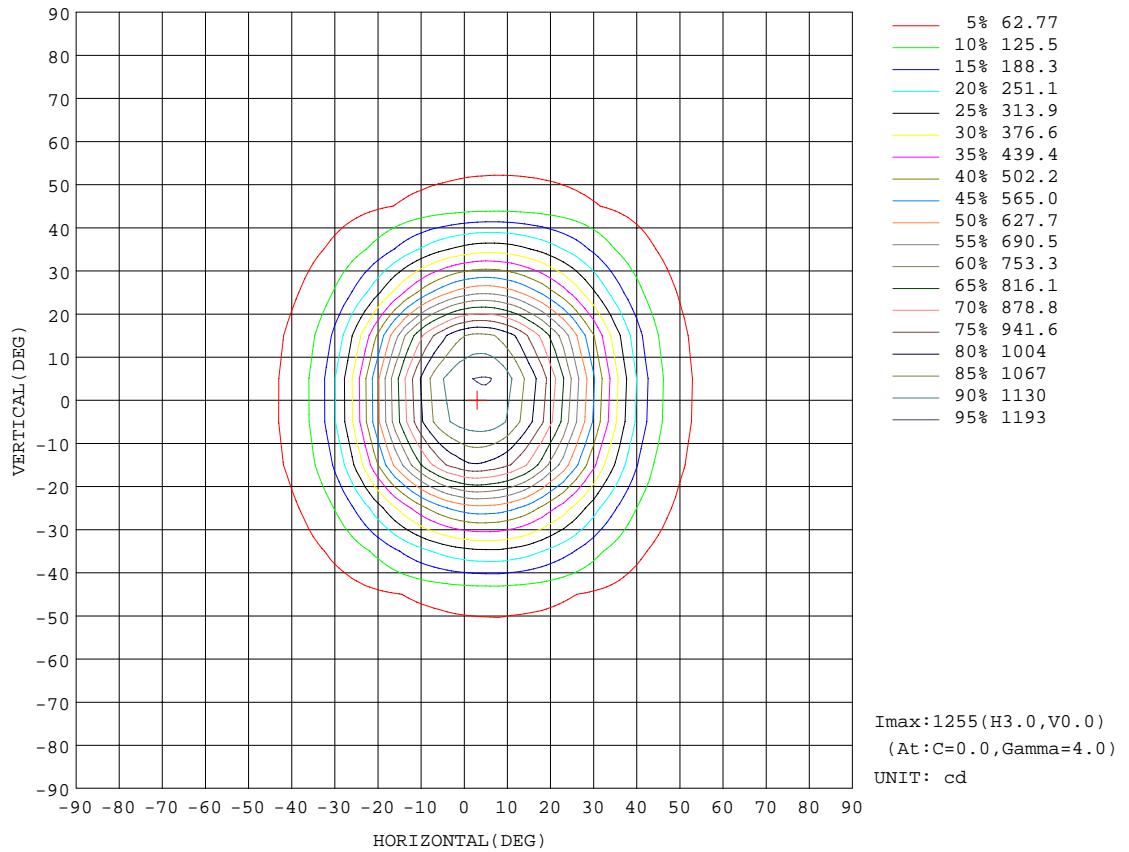
one-half-peak spread: U:24.6,D:26.3 , L:26.1,R:24.6 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YaoPeng
Test Date:2013-06-05

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:

ISOCANDELA DIAGRAM

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

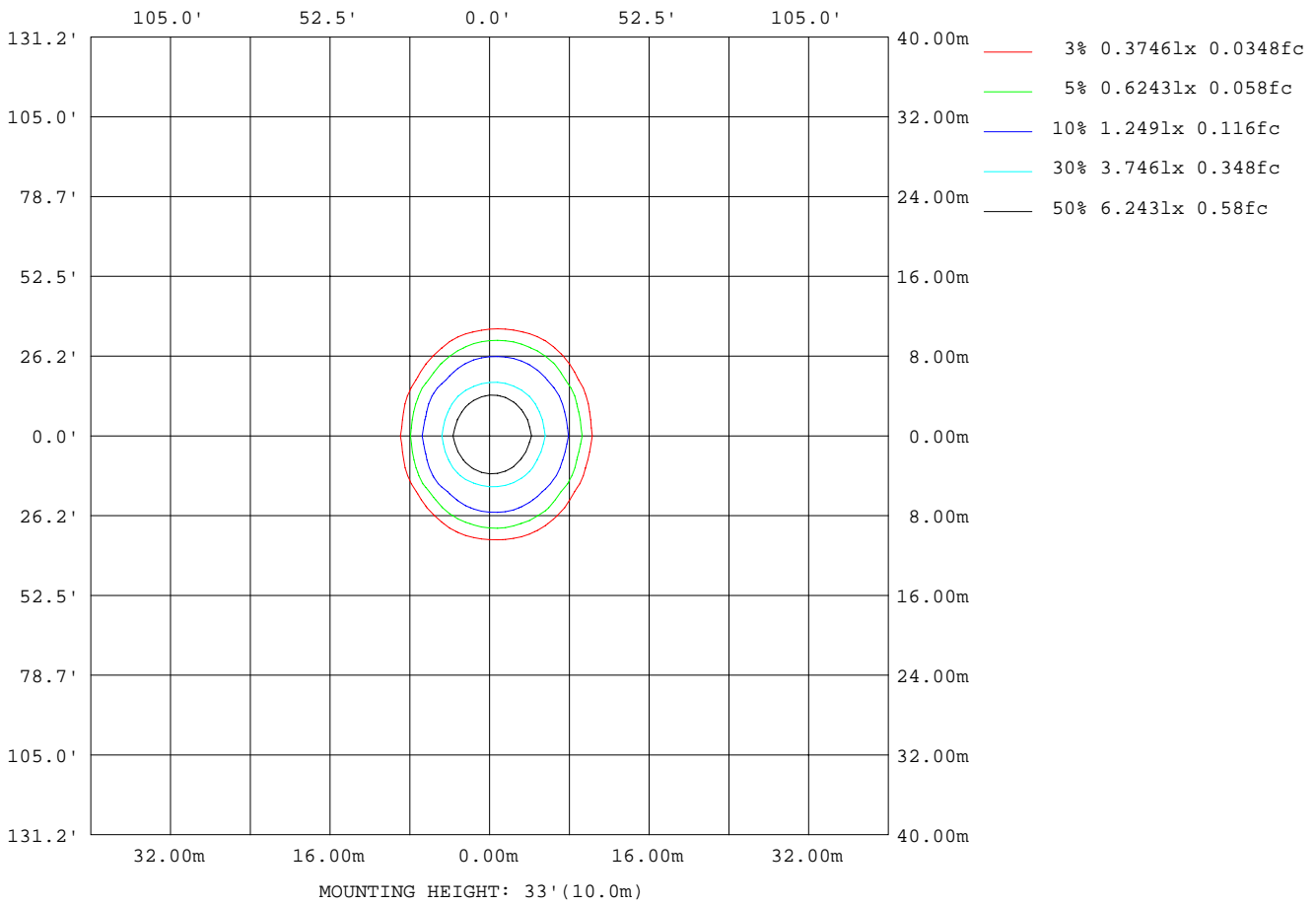


H(β) Range: -90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: YaoPeng
 Test Date: 2013-06-05

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:

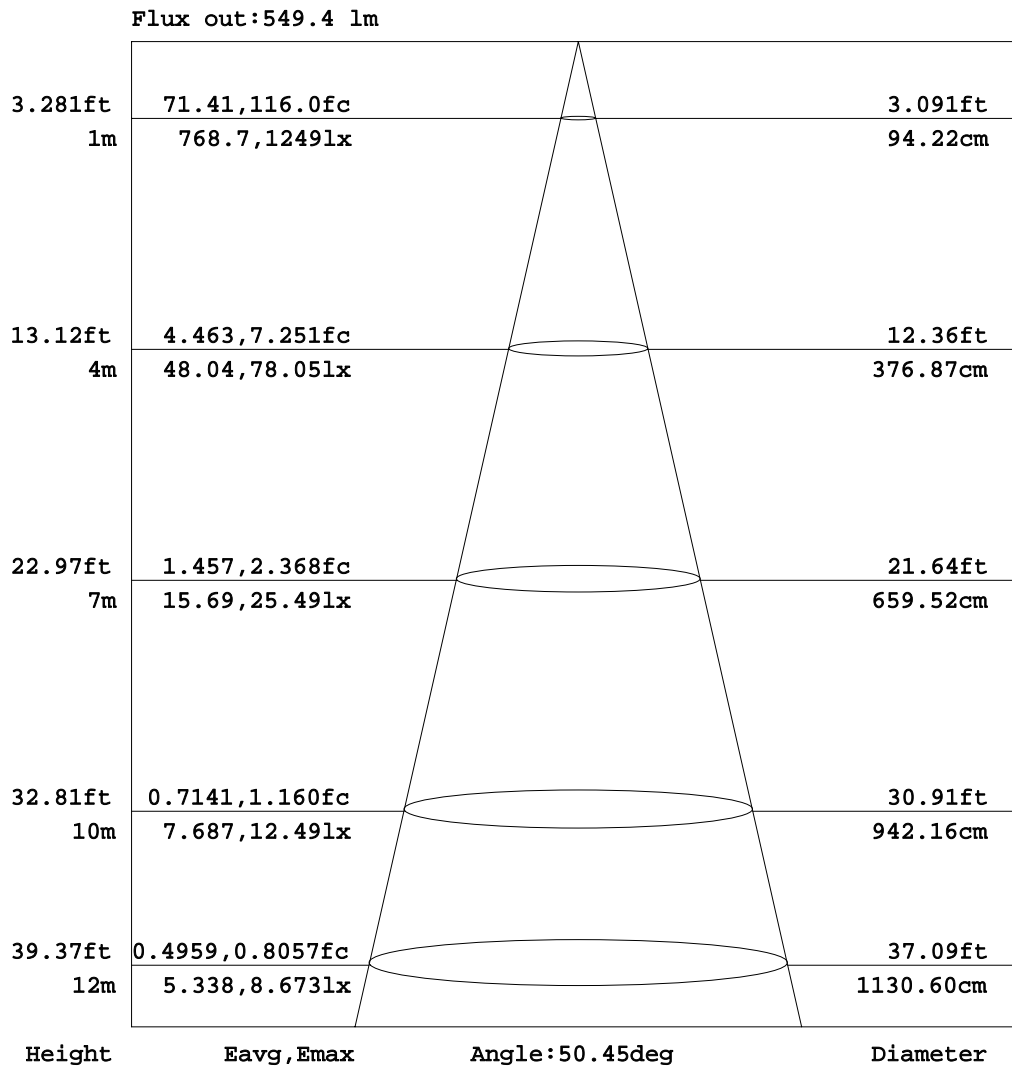


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YaoPeng
 Test Date:2013-06-05

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:

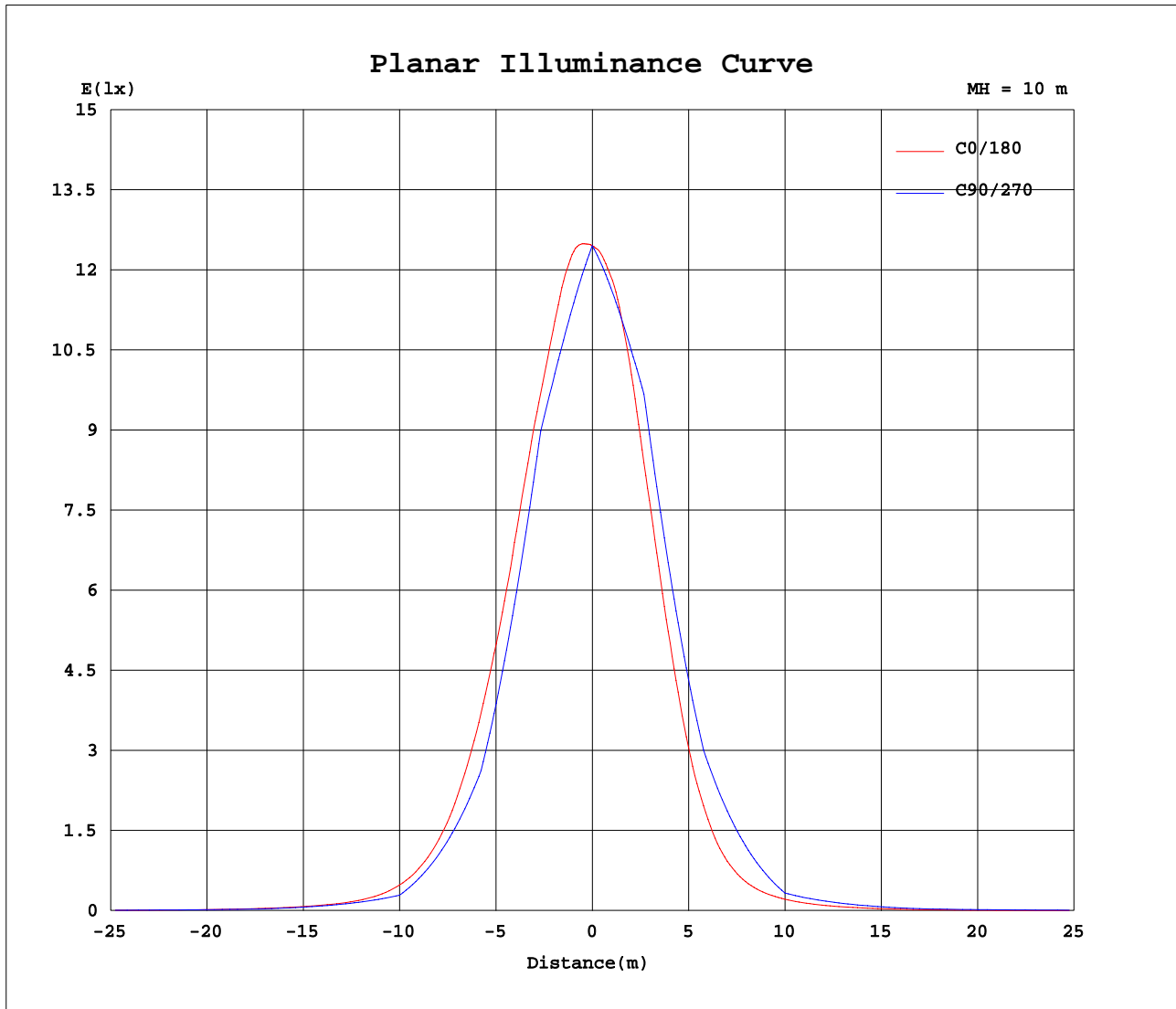


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YaoPeng
Test Date:2013-06-05

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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YaoPeng
Test Date:2013-06-05

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(DEG) V(DEG)	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.14	0.28	0.69	1.72	2.87	3.61	4.10	4.54	4.94	5.16
-70	0.00	0.00	0.00	0.01	0.03	0.08	0.15	0.42	1.21	2.26	3.49	4.77	6.21	7.67	8.76	9.71	10.5	11.1	11.4
-65	0.00	0.00	0.00	0.00	0.03	0.11	0.24	0.49	1.71	3.45	5.73	7.77	9.55	11.4	13.1	14.6	15.9	16.9	17.5
-60	0.00	0.00	0.00	0.02	0.08	0.23	0.45	1.23	3.50	6.41	9.74	12.2	14.3	16.5	18.7	20.6	22.1	23.2	23.8
-55	0.00	0.00	0.00	0.00	0.08	0.26	0.99	2.49	5.48	9.30	13.3	17.3	21.2	25.3	29.9	33.8	37.7	40.7	42.9
-50	0.00	0.00	0.00	0.01	0.20	0.61	2.62	5.65	10.4	15.3	20.2	25.5	31.2	37.9	44.4	50.4	55.7	60.2	63.0
-45	0.00	0.00	0.00	0.00	0.15	0.46	2.26	6.00	11.3	17.7	23.0	29.3	36.5	44.7	53.9	61.9	70.0	76.3	81.4
-40	0.00	0.00	0.01	0.08	0.39	1.70	5.36	10.8	18.1	25.5	34.3	46.2	62.0	83.1	108	136	160	180	191
-35	0.00	0.00	0.00	0.08	0.36	1.45	5.06	10.7	18.9	27.3	37.9	52.6	74.1	103	141	188	232	269	293
-30	0.00	0.00	0.03	0.25	0.66	3.51	8.66	16.8	26.5	36.8	52.2	74.3	107	152	210	277	336	381	408
-25	0.00	0.00	0.00	0.12	0.48	2.60	7.65	15.4	25.9	37.4	54.8	82.8	129	199	290	390	481	552	595
-20	0.00	0.00	0.01	0.26	1.09	5.31	11.8	22.2	33.9	50.4	76.5	122	199	315	452	579	690	766	802
-15	0.00	0.00	0.00	0.13	0.54	3.90	10.0	19.9	32.1	48.2	73.6	120	200	333	503	669	816	927	988
-10	0.00	0.00	0.02	0.30	1.41	6.39	13.9	25.7	39.2	60.1	94.9	161	275	444	636	811	957	1046	1082
-5	0.00	0.00	0.02	0.19	0.64	4.21	10.7	21.2	34.4	52.6	82.7	140	247	410	614	817	994	1109	1157
0	0.00	0.00	0.07	0.37	1.61	6.76	14.8	27.2	42.3	65.8	107	190	334	537	764	972	1138	1220	1249
5	0.00	0.00	0.02	0.17	0.62	4.07	10.5	21.0	34.3	52.6	82.9	141	249	413	618	827	1010	1128	1182
10	0.00	0.00	0.02	0.26	1.23	6.07	13.4	25.1	39.0	59.7	95.5	162	281	451	649	840	993	1091	1137
15	0.00	0.00	0.00	0.06	0.48	3.47	9.50	19.2	31.8	48.2	74.1	121	206	343	515	700	866	984	1064
20	0.00	0.00	0.01	0.19	0.87	4.74	11.1	21.2	33.4	49.9	77.1	124	206	326	469	617	739	828	877
25	0.00	0.00	0.00	0.07	0.42	2.03	6.92	14.4	24.9	37.2	54.6	83.5	132	207	302	414	520	603	659
30	0.00	0.00	0.04	0.16	0.54	2.77	7.84	15.6	25.5	36.4	52.1	75.2	111	160	225	302	376	433	469
35	0.00	0.00	0.00	0.05	0.27	0.98	4.22	9.67	17.7	26.7	37.5	53.1	75.4	108	149	202	256	303	335
40	0.00	0.00	0.01	0.05	0.27	1.24	4.43	9.74	17.0	25.0	34.3	46.5	63.8	86.7	115	148	179	203	219
45	0.00	0.00	0.00	0.00	0.03	0.31	1.39	5.01	10.1	16.8	22.8	29.4	37.0	45.9	55.7	66.0	75.9	84.5	91.8
50	0.00	0.00	0.00	0.01	0.10	0.36	1.93	4.77	9.36	14.7	20.0	25.5	31.7	38.8	46.4	54.0	60.9	66.5	71.1
55	0.00	0.00	0.00	0.00	0.03	0.16	0.62	1.98	4.45	8.40	12.8	17.2	21.4	25.9	30.7	35.7	40.3	44.2	47.5
60	0.00	0.00	0.00	0.02	0.04	0.12	0.33	0.67	2.56	5.53	9.25	12.2	14.5	16.9	19.1	21.4	23.1	24.6	25.7
65	0.00	0.00	0.00	0.00	0.02	0.06	0.16	0.31	1.08	2.81	5.19	7.51	9.42	11.4	13.2	15.0	16.5	17.6	18.6
70	0.00	0.00	0.00	0.01	0.01	0.04	0.11	0.22	0.85	1.86	3.18	4.40	5.91	7.54	8.76	9.89	10.8	11.6	12.2
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.29	1.14	2.42	3.35	3.93	4.47	4.95	5.29
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:2013-06-05

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--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	5.33	5.48	5.48	5.45	5.26	4.68	3.58	2.42	1.36	0.76	0.58	0.48	0.40	0.34	0.32	0.32	0.32	0.28
-70	11.6	11.6	11.5	11.1	10.4	9.30	7.81	6.25	4.50	2.94	1.87	0.97	0.44	0.34	0.26	0.24	0.23	0.18
-65	17.8	17.8	17.5	17.1	16.1	14.9	13.2	11.4	9.08	6.29	3.96	2.16	0.78	0.40	0.25	0.17	0.15	0.11
-60	23.9	23.8	23.4	22.4	20.8	19.3	17.2	14.8	11.4	7.53	4.54	2.05	0.62	0.33	0.14	0.07	0.08	0.01
-55	43.8	43.5	41.9	39.6	35.9	31.9	27.7	23.4	19.0	14.2	9.47	5.38	2.49	0.96	0.32	0.14	0.07	0.03
-50	64.1	62.0	59.1	54.1	47.7	41.6	34.7	28.5	22.8	17.0	10.8	6.11	2.83	0.80	0.33	0.11	0.07	0.01
-45	83.5	82.6	78.7	73.0	64.7	55.9	47.0	38.4	31.0	24.5	17.1	10.1	5.54	2.01	0.55	0.22	0.08	0.03
-40	194	185	168	144	118	90.2	67.6	49.8	37.6	27.8	18.6	10.8	5.55	1.87	0.47	0.13	0.05	0.01
-35	303	296	273	236	194	145	106	74.0	52.7	38.5	27.2	17.1	9.36	4.30	1.02	0.26	0.04	0.01
-30	413	393	349	293	230	165	116	78.8	55.6	39.9	27.7	16.2	8.79	3.55	0.57	0.12	0.02	0.00
-25	606	586	536	457	373	279	193	125	80.0	53.3	37.0	23.6	12.9	6.33	1.69	0.34	0.04	0.00
-20	791	745	661	557	439	316	210	130	79.9	51.9	35.5	21.3	11.3	5.00	0.95	0.25	0.03	0.00
-15	992	951	867	738	603	456	309	192	113	68.9	46.4	29.4	16.2	8.13	2.56	0.46	0.07	0.00
-10	1069	1003	895	759	600	438	290	175	102	62.3	41.5	25.2	13.2	6.14	1.33	0.30	0.02	0.00
-5	1168	1124	1021	890	727	557	387	241	139	80.6	51.6	33.0	18.3	9.21	3.13	0.47	0.02	0.00
0	1249	1167	1052	899	714	532	354	215	121	70.8	45.5	28.0	14.8	6.97	1.70	0.27	0.00	0.00
5	1197	1151	1043	914	748	573	399	249	144	82.5	52.5	33.7	18.7	9.48	3.28	0.49	0.03	0.01
10	1128	1055	942	801	636	470	311	187	108	65.1	42.8	26.4	13.9	6.57	1.55	0.32	0.03	0.00
15	1080	1031	933	807	666	505	343	217	126	74.4	49.0	31.5	17.6	8.96	3.01	0.53	0.10	0.02
20	871	818	728	617	490	359	239	146	88.9	56.4	38.1	23.3	12.4	5.74	1.26	0.29	0.03	0.00
25	679	655	597	518	426	322	221	145	90.3	59.0	40.5	26.2	14.5	7.39	2.38	0.40	0.03	0.01
30	477	456	410	348	276	200	137	93.0	62.7	44.8	31.2	18.8	10.1	4.50	0.82	0.18	0.00	0.00
35	351	343	317	278	230	176	125	87.4	60.2	43.6	30.9	19.8	11.1	5.45	1.62	0.33	0.02	0.00
40	223	215	197	171	141	108	79.6	58.3	42.6	31.7	21.7	13.0	7.00	2.76	0.61	0.17	0.01	0.00
45	95.3	95.7	92.1	85.9	77.0	66.2	55.0	44.9	35.8	28.1	20.2	12.3	7.14	3.14	0.73	0.31	0.05	0.00
50	72.8	71.9	68.8	63.7	56.4	48.2	40.4	33.0	26.2	19.9	13.3	7.78	4.00	1.38	0.38	0.11	0.01	0.00
55	49.3	49.6	48.3	45.8	41.8	37.0	31.9	27.1	22.1	16.8	11.5	7.05	3.64	1.39	0.40	0.12	0.02	0.00
60	26.5	26.5	26.2	25.2	23.5	21.6	19.5	17.1	13.7	9.37	6.04	3.32	1.14	0.37	0.15	0.00	0.00	0.00
65	19.4	19.6	19.6	19.1	18.1	16.7	15.1	13.2	10.8	7.75	4.96	3.05	1.33	0.38	0.17	0.03	0.00	0.00
70	12.7	12.8	12.7	12.4	11.7	10.6	9.05	7.48	5.61	3.63	2.29	1.31	0.51	0.17	0.07	0.01	0.00	0.00
75	5.63	5.89	5.93	5.94	5.90	5.42	4.36	3.12	2.06	1.04	0.48	0.33	0.22	0.12	0.04	0.03	0.01	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
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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YaoPeng
Test Date:2013-06-05

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: