

Luminaire Photograph

LED Flood Light FL290S LED
FEELIGHT TECH CO., LIMITED



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:ivy
Test Date:2010-12-30

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:9.900m [K=1.0000]
Remarks: FL290S-50W/80-90LM

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

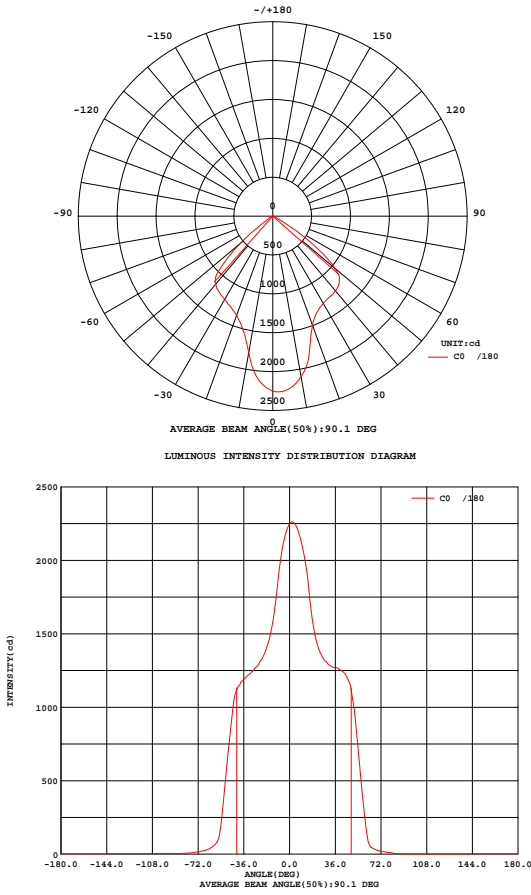


Fig. C0/C180

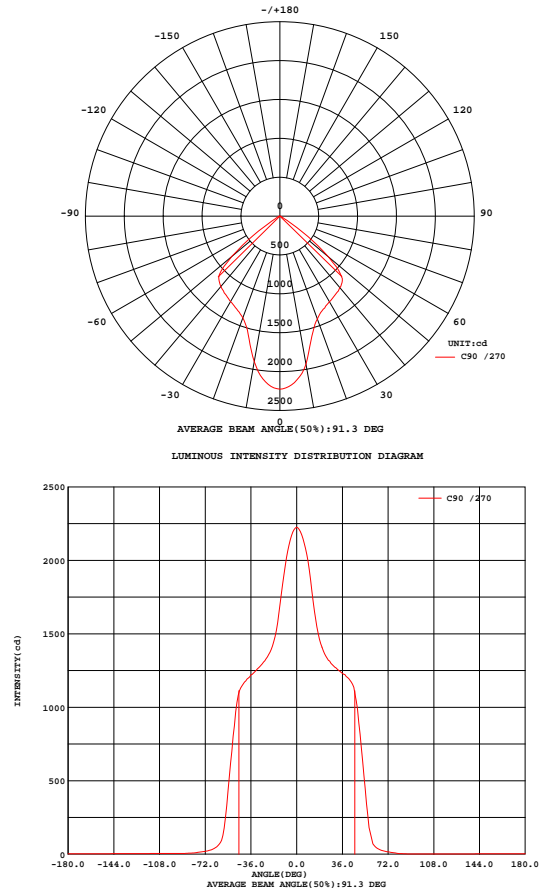


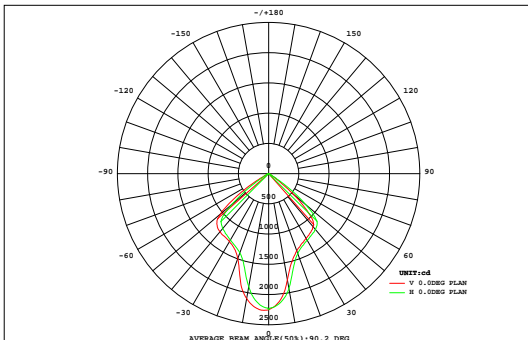
Fig. C90/C270

H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:ivy
 Test Date:2010-12-30

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000B SYSTEM V1.0.250
 Humidity:65%
 Test Distance:9.900m [K=1.0000]
 Remarks: FL290S-50W/80-90LM

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: LED Flood Light	TYPE:FL290S	WEIGHT:3KG
DIMENSION:	SPECIFICATION:LED	SERIAL No.:2010122912
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	FL290S-50W	Imax(cd)	2262
NOMINAL POWER(W)	56	AVAILABILITY(%)	75.6
RATED VOLTAGE(V)	222	Avai. FLUX(lm)	3175
NOMINAL FLUX(lm)	4200.0	EFFICIENCY(%)	78.5
LAMPS INSIDE	1	TOTAL FLUX(lm)	3299
TEST VOLTAGE(V)	222.8	θ @50%(H,V)	90,90DEG

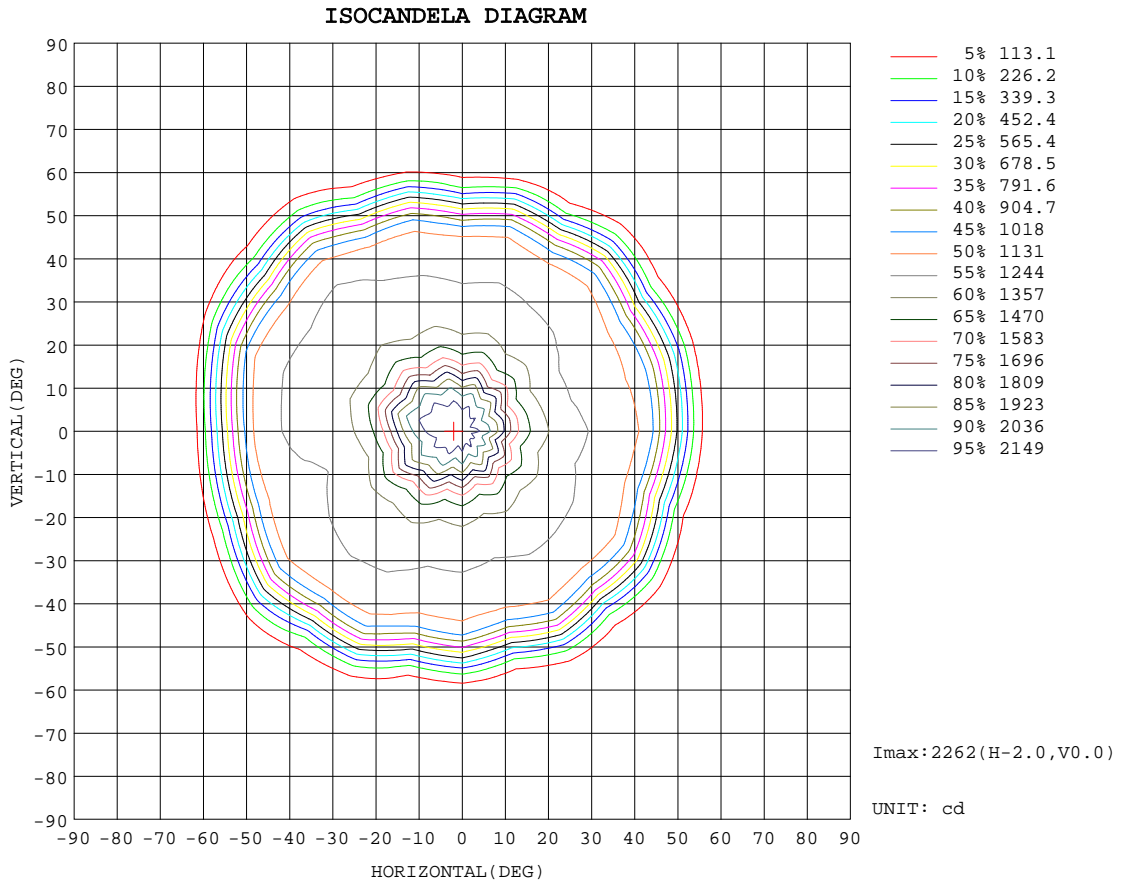
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm	Φ t	Φ a		
	0.01	0.02	0.04	0.06	0.08	0.09	0.09	0.11	0.10	0.09	0.09	0.07	0.05	0.04	0.03	0.02	0.01	0.01	1.01	0.00	
90	0.01	0.02	0.04	0.06	0.08	0.09	0.09	0.11	0.10	0.09	0.09	0.07	0.05	0.04	0.03	0.02	0.01	0.01	1.01	0.00	
80	0.01	0.03	0.07	0.14	0.25	0.30	0.35	0.42	0.40	0.37	0.35	0.24	0.16	0.11	0.05	0.03	0.02	0.01	3.31	0.00	
70	0.01	0.05	0.14	0.27	0.53	0.79	0.99	1.38	1.33	1.15	1.03	0.65	0.44	0.28	0.12	0.05	0.02	0.01	9.24	0.00	
60	0.01	0.08	0.21	0.48	1.31	3.83	6.90	13.0	13.6	11.9	8.84	2.91	1.29	0.57	0.23	0.09	0.03	0.01	65.4	49.8	
50	0.01	0.10	0.31	0.96	5.59	18.4	26.2	32.3	33.7	33.1	28.9	17.8	7.48	1.36	0.39	0.15	0.04	0.01	207	200	
40	0.01	0.11	0.45	3.22	15.1	28.5	34.1	36.6	37.8	37.6	35.7	31.3	19.9	4.22	0.71	0.21	0.06	0.01	286	281	
30	0.01	0.12	0.65	8.01	22.8	30.9	35.4	38.6	40.7	40.1	37.2	33.4	26.3	11.3	1.46	0.29	0.08	0.01	327	324	
20	0.01	0.13	0.86	11.1	25.5	31.5	36.5	44.1	50.4	47.5	39.7	33.9	28.6	17.6	2.81	0.37	0.09	0.01	371	368	
10	0.02	0.13	0.91	11.6	25.8	31.8	38.1	52.9	64.9	59.5	43.0	34.9	29.4	19.7	3.67	0.42	0.10	0.02	417	414	
0	0.02	0.13	0.79	10.6	25.3	31.3	36.7	50.1	62.6	57.8	42.7	35.0	29.6	18.7	3.20	0.41	0.10	0.02	405	402	
-10	0.02	0.13	0.60	8.18	23.7	30.7	35.6	42.0	47.6	45.4	39.4	34.5	28.8	14.5	1.81	0.35	0.09	0.02	353	350	
-20	0.01	0.12	0.45	5.04	21.1	30.3	34.6	38.1	39.7	39.3	37.2	33.6	27.0	10.1	1.02	0.27	0.08	0.02	318	314	
-30	0.01	0.11	0.36	2.38	14.6	26.6	33.2	35.9	37.0	36.6	35.0	30.0	17.1	4.27	0.69	0.22	0.07	0.01	274	269	
-40	0.01	0.10	0.29	0.99	4.48	12.7	24.9	28.9	31.4	30.3	25.1	16.6	4.29	1.17	0.45	0.17	0.06	0.01	182	174	
-50	0.01	0.08	0.23	0.51	0.95	2.17	6.23	7.60	9.86	8.85	4.69	2.75	1.05	0.52	0.30	0.13	0.05	0.01	46.0	28.6	
-60	0.01	0.06	0.18	0.33	0.45	0.67	0.98	1.03	1.21	1.15	0.86	0.72	0.48	0.30	0.19	0.09	0.04	0.01	8.76	0.00	
-70	0.01	0.05	0.12	0.21	0.26	0.35	0.42	0.42	0.46	0.44	0.36	0.33	0.25	0.16	0.12	0.07	0.04	0.01	4.09	0.00	
-80	0.01	0.04	0.09	0.12	0.14	0.17	0.19	0.19	0.20	0.20	0.17	0.16	0.14	0.11	0.09	0.07	0.04	0.01	2.16	0.00	
-90	0.01	0.04	0.09	0.12	0.14	0.17	0.19	0.19	0.20	0.20	0.17	0.16	0.14	0.11	0.09	0.07	0.04	0.01	2.16	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	0.22	1.61	6.75	64.2	188	281	351	424	473	451	380	309	222	105	17.3	3.41	1.02	0.24	3280	---	
Φ a	0.00	0.00	0.00	54.7	180	274	345	417	466	445	374	302	215	95.9	6.60	0.00	0.00	0.00	---	3175	

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V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:9.900m [K=1.0000]
Remarks: FL290S-50W/80-90LM

ISOCANDELA DIAGRAM

NAME: LED Flood Light	TYPE:FL290S	WEIGHT:3KG
DIMENSION:	SPECIFICATION:LED	SERIAL No.:2010122912
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

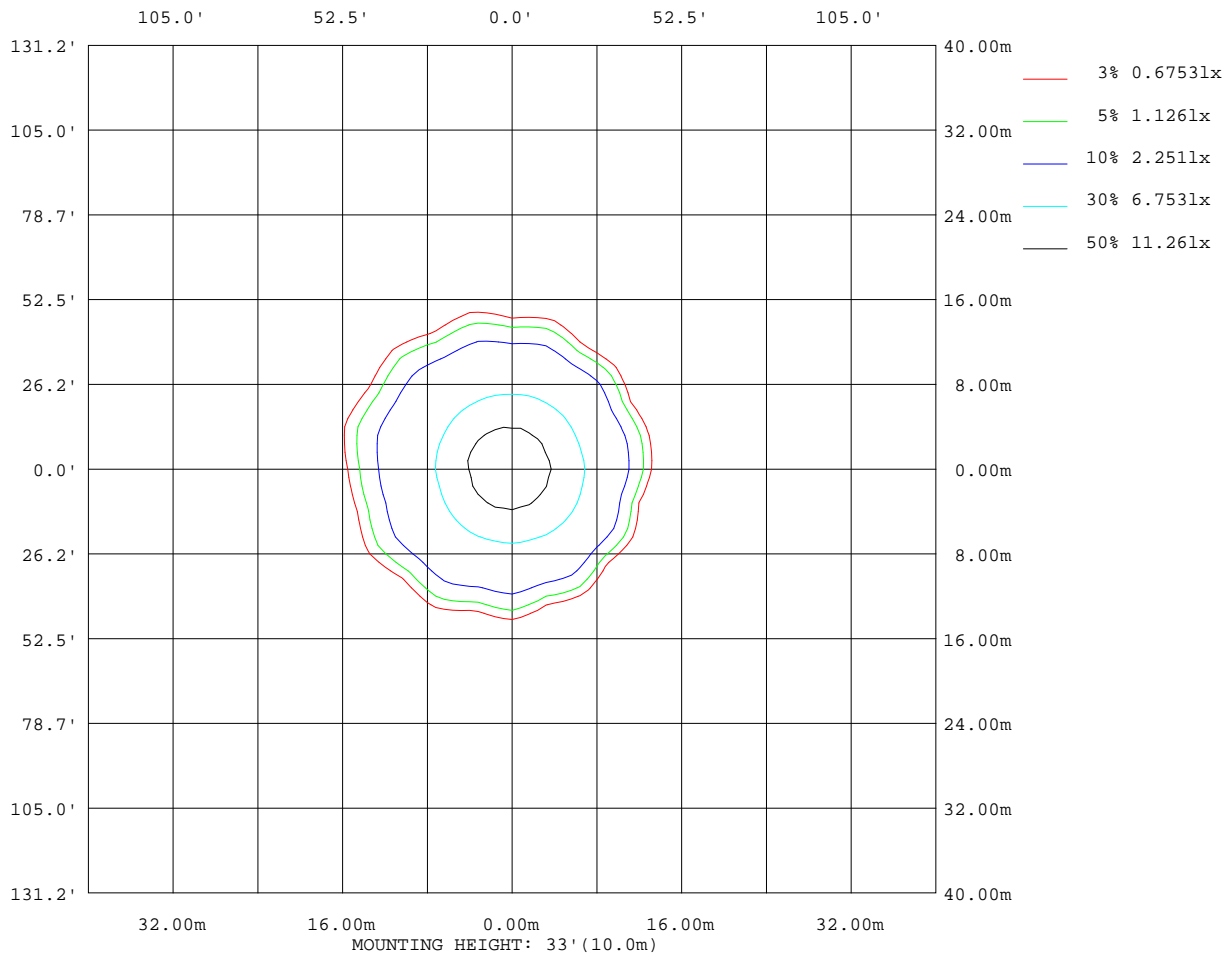


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ISOLUX DIAGRAM

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DIMENSION:	SPECIFICATION:LED	SERIAL No.:2010122912
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

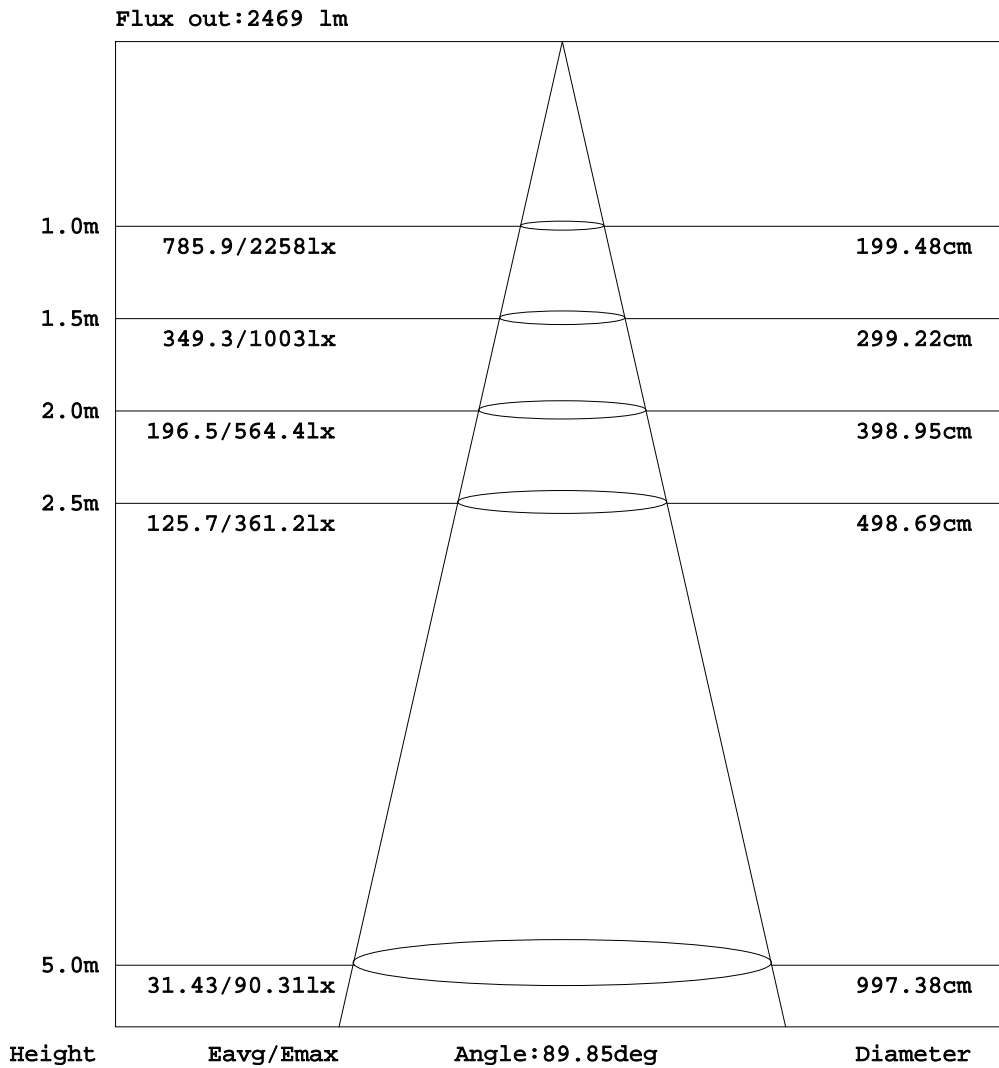


H(β) Range:-90 - 90DEG
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AAI Figure

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DIMENSION:	SPECIFICATION:LED	SERIAL No.:2010122912
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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

NAME: LED Flood Light	TYPE:FL290S	WEIGHT:3KG
DIMENSION:	SPECIFICATION:LED	SERIAL No.:2010122912
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
-180	1.90	1.64	1.61	1.65	1.68	1.73	1.82	1.92	2.01	2.13	2.17	2.23	2.30	2.39	2.49	2.62	2.65	2.67	2.67
-170	1.90	1.84	1.97	2.15	2.33	2.52	2.73	2.89	3.02	3.15	3.23	3.26	3.23	3.15	3.10	3.08	2.98	2.92	2.92
-160	1.90	2.03	2.32	2.64	2.97	3.30	3.61	3.86	3.99	3.81	3.67	3.54	3.41	3.27	3.17	3.13	3.10	3.03	3.08
-150	1.90	2.21	2.65	3.09	3.58	4.02	4.30	4.22	4.12	4.01	3.92	3.73	3.59	3.43	3.35	3.28	3.20	3.17	3.21
-140	1.90	2.38	2.97	3.54	4.14	4.41	4.39	4.33	4.29	4.20	4.06	3.92	3.80	3.72	3.64	3.53	3.43	3.43	3.45
-130	1.90	2.53	3.28	3.96	4.52	4.51	4.45	4.47	4.39	4.32	4.25	4.17	4.08	4.02	3.95	3.85	3.77	3.77	3.79
-120	1.90	2.66	3.56	4.36	4.67	4.62	4.58	4.53	4.49	4.49	4.43	4.38	4.33	4.29	4.23	4.17	4.15	4.16	4.18
-110	1.90	2.76	3.77	4.76	4.87	4.86	4.84	4.73	4.63	4.56	4.52	4.50	4.49	4.47	4.44	4.41	4.42	4.44	4.47
-100	1.90	2.86	3.95	5.02	5.10	5.13	5.15	5.07	4.98	4.87	4.84	4.82	4.81	4.73	4.67	4.62	4.63	4.65	4.66
-90	1.90	3.03	4.16	5.30	5.65	6.00	6.36	6.01	5.67	5.32	5.36	5.41	5.45	5.35	5.26	5.16	5.20	5.24	5.27
-80	1.90	3.26	4.70	6.17	6.95	7.73	8.63	8.67	8.54	7.99	8.37	8.99	9.88	9.66	9.10	8.20	8.48	8.79	9.07
-70	1.90	3.54	5.33	7.14	8.87	11.7	14.4	15.4	15.8	15.8	17.0	19.0	21.0	21.6	21.0	20.1	20.9	22.0	22.8
-60	1.90	3.81	5.89	8.28	12.4	15.9	19.4	23.1	25.2	27.1	29.3	38.2	50.2	60.5	62.8	60.8	63.3	72.5	79.9
-50	1.90	4.00	6.41	10.9	15.1	19.7	25.7	36.7	56.6	71.3	106	182	358	575	645	637	648	743	803
-40	1.90	4.10	7.15	12.9	17.7	23.5	35.4	68.3	181	419	646	858	1035	1144	1182	1175	1166	1175	1179
-30	1.90	4.18	8.36	14.0	19.9	28.4	48.0	163	498	901	1128	1194	1226	1241	1251	1264	1258	1263	1269
-20	1.90	4.20	9.29	15.0	22.0	35.4	72.9	334	746	1090	1197	1231	1247	1270	1295	1335	1380	1365	1394
-10	1.90	4.13	9.67	15.5	23.6	41.2	153	527	959	1167	1220	1233	1251	1299	1399	1597	1733	1901	1900
0	1.90	3.98	9.59	15.4	24.1	43.7	192	624	1041	1208	1254	1270	1297	1358	1495	1818	2098	2238	2251
10	1.90	4.00	9.60	15.6	25.0	47.9	215	652	1065	1213	1252	1269	1297	1351	1443	1623	1940	1967	1933
20	1.90	3.93	9.21	15.2	24.0	44.4	157	564	989	1170	1233	1254	1270	1296	1339	1374	1397	1458	1409
30	1.90	3.77	8.38	14.0	21.5	36.5	77.7	280	607	939	1128	1222	1257	1269	1273	1273	1283	1285	1273
40	1.90	3.57	7.16	12.5	18.4	27.0	41.5	72.9	179	440	794	1044	1139	1179	1198	1212	1222	1213	1203
50	1.90	3.36	5.82	10.6	14.9	19.2	25.3	34.8	51.8	91.1	214	380	498	581	736	875	936	889	818
60	1.90	3.07	4.56	8.17	11.0	13.4	16.0	19.8	26.1	35.2	46.3	52.4	56.4	60.3	76.6	103	116	99.6	70.4
70	1.90	2.73	3.76	5.04	6.77	8.11	9.70	11.6	14.0	16.7	18.2	18.6	18.4	19.6	21.5	23.3	22.6	20.9	18.9
80	1.90	2.40	3.00	3.65	3.80	3.88	3.97	4.51	5.34	6.55	6.72	6.22	5.39	6.22	7.37	8.40	7.51	6.32	4.99
90	1.90	2.14	2.38	2.62	2.41	2.20	1.98	2.14	2.29	2.44	2.19	1.94	1.69	1.77	1.85	1.92	1.81	1.70	1.60
100	1.90	1.89	1.87	1.77	1.66	1.63	1.61	1.60	1.60	1.60	1.59	1.58	1.58	1.57	1.57	1.57	1.57	1.57	1.58
110	1.90	1.77	1.67	1.64	1.60	1.59	1.59	1.59	1.59	1.59	1.60	1.61	1.62	1.64	1.64	1.64	1.66	1.67	1.68
120	1.90	1.71	1.64	1.60	1.59	1.59	1.60	1.63	1.64	1.67	1.68	1.69	1.72	1.75	1.76	1.76	1.79	1.81	1.83
130	1.90	1.67	1.62	1.60	1.59	1.60	1.64	1.68	1.70	1.74	1.77	1.82	1.87	1.92	1.94	1.95	1.97	2.01	2.05
140	1.90	1.66	1.61	1.60	1.60	1.63	1.68	1.72	1.78	1.85	1.91	1.95	2.00	2.13	2.14	2.14	2.14	2.15	2.16
150	1.90	1.66	1.61	1.60	1.62	1.67	1.70	1.77	1.86	1.94	2.04	2.14	2.14	2.16	2.20	2.23	2.24	2.27	2.30
160	1.90	1.65	1.61	1.62	1.65	1.70	1.74	1.82	1.90	2.00	2.14	2.15	2.20	2.25	2.30	2.37	2.42	2.42	2.47
170	1.90	1.64	1.61	1.64	1.67	1.71	1.79	1.88	1.96	2.10	2.14	2.17	2.23	2.31	2.41	2.50	2.58	2.62	2.62
180	1.90	1.64	1.61	1.65	1.68	1.73	1.82	1.92	2.01	2.13	2.17	2.23	2.30	2.39	2.49	2.62	2.65	2.67	2.66

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V(B) Range:-180 - 180DEG
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Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:9.900m [K=1.0000]
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LUMINOUS DISTRIBUTION INTENSITY DATA

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DIMENSION:	SPECIFICATION:LED	SERIAL No.:2010122912
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
-180	2.72	2.84	2.94	3.00	3.09	3.10	3.18	3.32	3.53	3.70	3.87	4.05	4.24	4.40	4.50	4.54	4.72	4.99
-170	2.90	2.93	2.98	3.00	3.08	3.10	3.17	3.30	3.48	3.67	3.85	4.04	4.22	4.38	4.48	4.54	4.72	4.99
-160	3.06	3.08	3.09	3.08	3.14	3.22	3.31	3.43	3.58	3.72	3.87	4.05	4.23	4.37	4.47	4.54	4.72	4.99
-150	3.16	3.16	3.22	3.25	3.29	3.37	3.53	3.66	3.77	3.92	4.04	4.12	4.26	4.38	4.48	4.56	4.73	4.99
-140	3.41	3.39	3.45	3.56	3.59	3.64	3.73	3.84	4.00	4.10	4.18	4.26	4.32	4.41	4.49	4.59	4.75	4.99
-130	3.76	3.75	3.78	3.85	3.94	3.95	4.01	4.05	4.17	4.27	4.33	4.38	4.42	4.47	4.51	4.62	4.78	4.99
-120	4.15	4.12	4.12	4.17	4.23	4.25	4.27	4.30	4.36	4.43	4.49	4.47	4.49	4.51	4.56	4.67	4.83	4.99
-110	4.44	4.42	4.40	4.45	4.48	4.49	4.49	4.49	4.49	4.50	4.52	4.56	4.58	4.60	4.64	4.74	4.88	4.99
-100	4.64	4.61	4.59	4.62	4.65	4.69	4.68	4.67	4.65	4.68	4.72	4.75	4.74	4.75	4.74	4.83	4.92	4.99
-90	5.21	5.15	5.08	5.12	5.15	5.18	5.12	5.07	5.01	5.02	5.03	5.05	5.01	4.97	4.93	4.95	4.97	4.99
-80	8.54	7.97	7.42	7.52	7.58	7.54	6.96	6.43	5.93	5.78	5.66	5.44	5.28	5.15	5.04	5.02	5.01	4.99
-70	21.2	19.3	17.7	17.6	17.3	16.3	14.2	11.5	9.21	8.61	8.04	7.34	6.34	5.54	5.20	5.13	5.06	4.99
-60	68.7	56.0	48.0	45.4	41.6	33.3	25.7	20.3	18.1	16.1	14.4	11.0	8.09	6.61	5.58	5.25	5.11	4.99
-50	682	525	442	367	252	116	62.1	42.6	32.9	26.1	20.6	15.7	11.3	7.87	6.53	5.51	5.16	4.99
-40	1164	1144	1136	1109	952	646	339	161	77.4	48.7	29.5	20.3	14.8	9.91	7.58	5.97	5.21	4.99
-30	1250	1237	1234	1223	1195	1127	986	705	295	84.6	43.5	25.5	18.0	13.5	8.61	6.53	5.25	4.99
-20	1345	1335	1295	1269	1238	1214	1160	979	568	155	60.3	35.0	22.6	15.7	10.1	7.00	5.29	4.99
-10	1754	1487	1403	1311	1255	1218	1175	1087	799	379	96.1	47.4	27.0	17.7	11.7	7.33	5.31	4.99
0	2113	1784	1503	1360	1284	1238	1198	1146	964	545	138	56.2	30.0	19.0	12.8	7.52	5.33	4.99
10	1780	1605	1377	1288	1238	1201	1165	1113	916	501	125	51.9	27.8	17.6	11.7	7.00	5.11	4.99
20	1418	1338	1296	1265	1219	1182	1135	1017	703	327	81.0	41.3	23.4	15.2	9.81	6.35	4.89	4.99
30	1274	1264	1243	1224	1204	1149	995	641	304	98.1	50.5	28.6	18.1	12.5	7.45	5.59	4.67	4.99
40	1208	1205	1172	1095	1008	857	575	240	80.4	43.9	27.8	18.9	13.3	9.72	5.74	4.74	4.46	4.99
50	838	825	679	448	242	151	91.9	59.1	36.0	22.7	16.1	12.3	9.38	5.37	4.35	3.89	4.27	4.99
60	75.7	75.4	64.0	50.0	37.0	30.9	26.7	22.7	17.5	13.2	9.77	6.71	4.57	3.52	3.05	3.24	4.11	4.99
70	19.4	19.5	19.0	16.6	14.2	12.3	11.5	10.6	9.04	6.14	4.10	3.17	2.72	2.19	1.95	2.94	3.99	4.99
80	5.40	5.70	5.80	4.81	3.93	3.31	3.25	3.15	3.00	2.45	1.95	1.60	1.60	1.59	1.64	2.78	3.90	4.99
90	1.60	1.60	1.60	1.59	1.58	1.57	1.57	1.57	1.58	1.57	1.56	1.55	1.56	1.56	1.57	2.71	3.85	4.99
100	1.58	1.58	1.57	1.57	1.57	1.57	1.56	1.57	1.57	1.56	1.56	1.55	1.55	1.56	1.61	2.72	3.85	4.99
110	1.68	1.68	1.67	1.67	1.67	1.66	1.65	1.62	1.60	1.60	1.59	1.59	1.58	1.56	1.74	2.77	3.87	4.99
120	1.83	1.81	1.80	1.79	1.79	1.77	1.74	1.71	1.70	1.68	1.68	1.64	1.60	1.58	1.96	2.89	3.91	4.99
130	2.02	1.99	1.99	1.98	1.96	1.92	1.88	1.84	1.81	1.77	1.73	1.69	1.66	1.60	2.25	3.07	3.98	4.99
140	2.16	2.15	2.15	2.14	2.14	2.13	2.03	1.97	1.93	1.88	1.81	1.73	1.69	2.00	2.61	3.30	4.08	4.99
150	2.29	2.27	2.26	2.22	2.19	2.16	2.14	2.13	2.04	1.94	1.87	1.78	2.04	2.55	3.01	3.57	4.22	4.99
160	2.44	2.43	2.38	2.33	2.29	2.23	2.18	2.14	2.14	1.99	2.13	2.41	2.75	3.13	3.49	3.87	4.37	4.99
170	2.62	2.59	2.52	2.44	2.36	2.28	2.28	2.42	2.62	2.81	3.00	3.22	3.49	3.75	3.99	4.19	4.54	4.99
180	2.72	2.84	2.94	3.00	3.09	3.10	3.18	3.32	3.53	3.70	3.87	4.05	4.24	4.40	4.50	4.54	4.72	4.99

H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:ivy
 Test Date:2010-12-30

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000B SYSTEM V1.0.250
 Humidity:65%
 Test Distance:9.900m [K=1.0000]
 Remarks: FL290S-50W/80-90LM

50% Beam Angle : 90°-H X 90°-V

TOTAL FLUX : 3299 lm

EFFICIENCY : 78.5%

AVAILABILITY FLUX : 3175 lm

AVAILABILITY : 75.6%

