

Luminaire Photograph

**LED FLOOD LIGHT LED FL295
FEELIGHT TECH CO., LIMITED**



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-15

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: FL295-80W

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

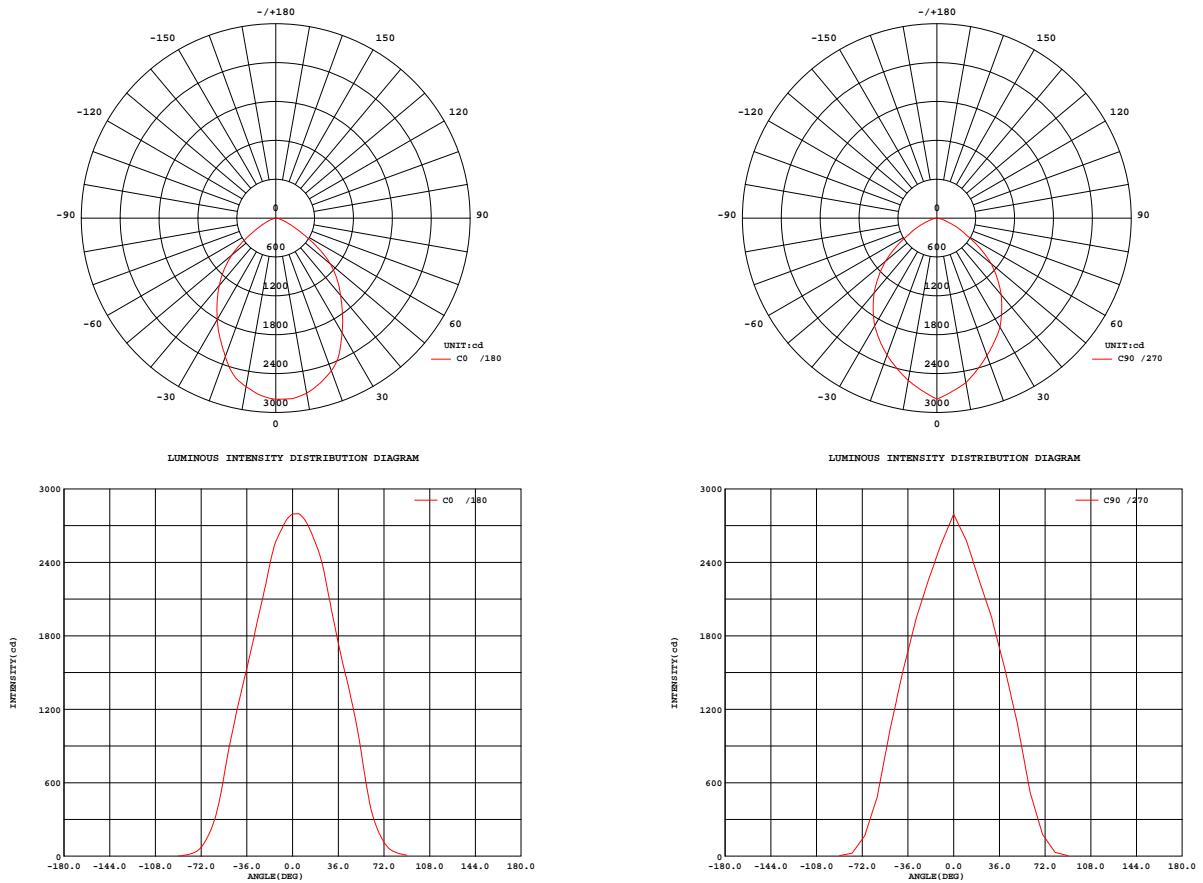


Fig. C0/C180

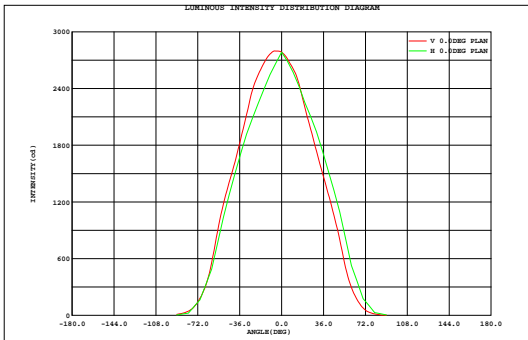
Fig. C90/C270

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-15

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: FL295-80W

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:222.9V I:0.3860A P:80.70W PF:0.9700 Lamp Flux:6000x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:5KG
DIMENSION:	SPECIFICATION:FL295	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	FL295-80W	Imax(cd)	2797
NOMINAL POWER(W)	88	AVAILABILITY(%)	81.6
RATED VOLTAGE(V)	224	Avai. FLUX(lm)	4898
NOMINAL FLUX(lm)	6000.0	EFFICIENCY(%)	84.9
LAMPS INSIDE	1	TOTAL FLUX(lm)	5096
TEST VOLTAGE(V)	223.9	θ @50%(H,V)	83,86DEG

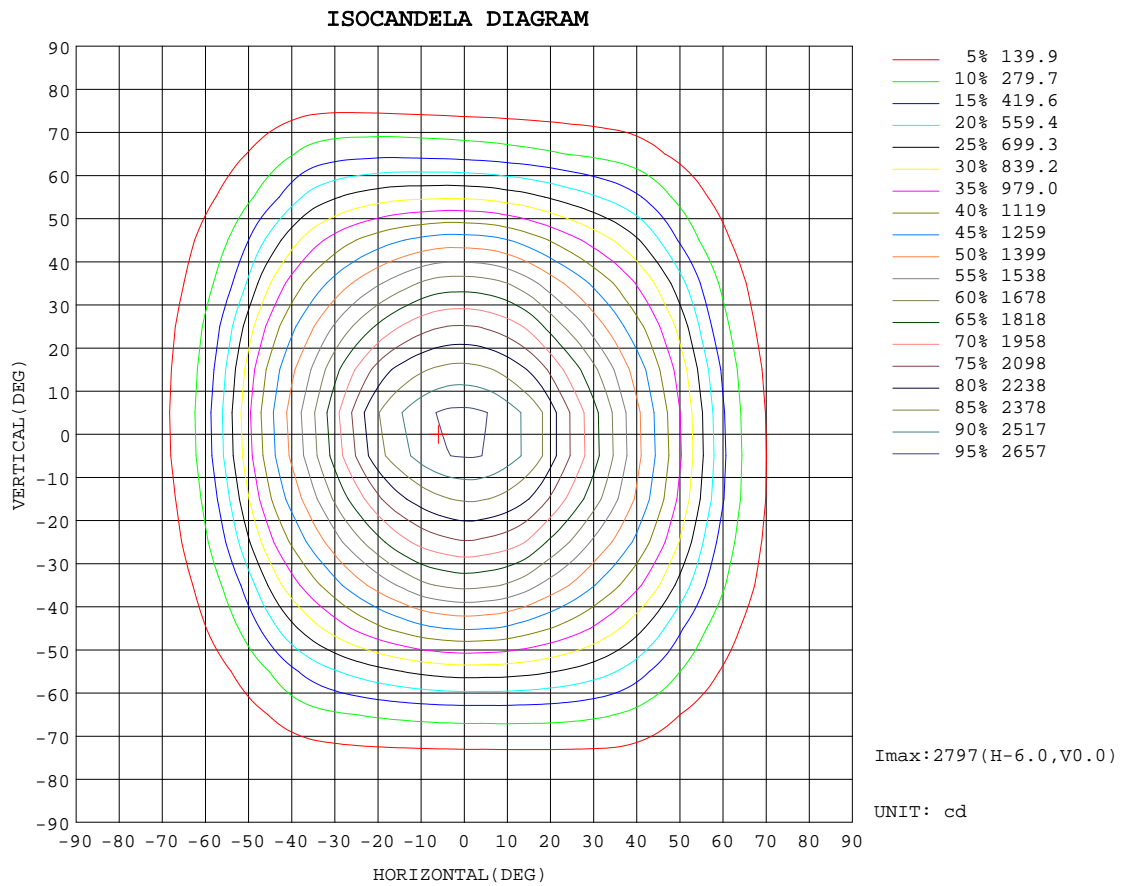
VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm		Φ t	Φ a		
	0.02	0.07	0.14	0.22	0.39	0.57	0.58	0.52	0.47	0.42	0.37	0.30	0.23	0.16	0.11	0.07	0.04			0.01	
90	0.02	0.07	0.14	0.22	0.39	0.57	0.58	0.52	0.47	0.42	0.37	0.30	0.23	0.16	0.11	0.07	0.04	0.01	4.68	0.00	
80	0.02	0.12	0.30	0.68	1.63	2.70	3.08	3.04	2.88	2.61	2.27	1.86	1.43	0.89	0.36	0.13	0.05	0.01	24.1	0.00	
70	0.03	0.18	0.60	1.82	4.46	7.88	9.76	10.5	10.3	9.68	8.46	6.95	5.23	3.00	1.07	0.29	0.09	0.01	80.3	45.8	
60	0.03	0.27	1.09	3.49	8.64	15.5	20.2	23.0	24.0	23.2	20.4	16.4	11.9	6.66	2.53	0.65	0.14	0.02	178	168	
50	0.04	0.34	1.61	5.34	13.8	23.6	31.5	37.2	40.4	39.7	35.0	27.9	20.2	11.5	4.46	1.15	0.20	0.02	294	287	
40	0.05	0.47	2.33	7.97	19.6	30.8	40.3	48.1	52.8	52.0	45.6	36.4	26.6	16.0	6.48	1.70	0.28	0.03	388	382	
30	0.05	0.50	2.72	9.92	23.1	35.6	47.6	58.1	63.7	62.9	55.6	44.2	32.4	20.7	8.84	2.34	0.37	0.03	469	464	
20	0.06	0.63	3.42	12.5	26.9	40.9	56.1	67.8	73.0	71.7	63.6	50.4	36.5	22.9	10.0	2.65	0.42	0.03	540	535	
10	0.05	0.58	3.30	12.6	27.7	43.4	61.2	74.6	81.4	80.4	71.9	56.6	40.4	25.4	11.7	3.14	0.50	0.04	595	590	
0	0.06	0.65	3.62	13.3	28.0	43.7	61.5	75.0	82.0	81.0	72.0	56.0	39.7	24.8	11.1	2.97	0.48	0.04	596	591	
-10	0.05	0.50	2.87	10.9	25.0	39.0	53.6	65.4	71.8	72.0	64.9	52.0	38.2	24.5	11.3	3.11	0.52	0.04	536	531	
-20	0.05	0.49	2.68	9.76	22.1	34.6	46.8	57.1	62.8	62.2	55.2	44.3	32.9	20.8	8.87	2.47	0.41	0.04	464	459	
-30	0.04	0.32	1.77	6.47	16.7	27.7	37.8	46.5	51.8	51.5	45.9	37.5	28.0	17.5	7.46	2.19	0.39	0.04	380	374	
-40	0.04	0.28	1.42	4.96	12.4	21.1	29.0	35.2	38.5	38.1	34.0	28.0	20.4	11.6	4.58	1.33	0.25	0.03	281	274	
-50	0.02	0.17	0.70	2.60	6.71	12.4	17.2	20.9	23.1	23.2	21.6	18.3	13.5	7.52	3.15	0.92	0.20	0.03	172	162	
-60	0.02	0.12	0.42	1.44	3.61	5.99	7.52	8.53	9.06	9.14	8.89	8.00	6.12	3.35	1.33	0.36	0.12	0.02	74.1	37.0	
-70	0.01	0.06	0.15	0.34	0.94	1.56	1.91	2.07	2.16	2.21	2.21	2.18	1.95	1.25	0.50	0.20	0.09	0.02	19.8	0.00	
-80	0.01	0.03	0.07	0.09	0.10	0.13	0.15	0.17	0.19	0.20	0.19	0.18	0.20	0.14	0.09	0.08	0.05	0.01	2.08	0.00	
-90	0.01	0.03	0.07	0.09	0.10	0.13	0.15	0.17	0.19	0.20	0.19	0.18	0.20	0.14	0.09	0.08	0.05	0.01	2.08	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	0.65	5.78	29.2	104	242	387	526	634	690	682	608	487	356	219	94.0	25.8	4.59	0.47	5096	---	
Φ a	0.00	0.00	10.4	87.9	229	377	514	621	678	670	598	477	344	207	77.1	7.98	0.00	0.00	---	4898	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
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Temperature:30DEG
Operators:IVY
Test Date:2010-12-15

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: FL295-80W

ISOCANDELA DIAGRAM

Test:U:222.9V I:0.3860A P:80.70W PF:0.9700 Lamp Flux:6000x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:5KG
DIMENSION:	SPECIFICATION:FL295	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

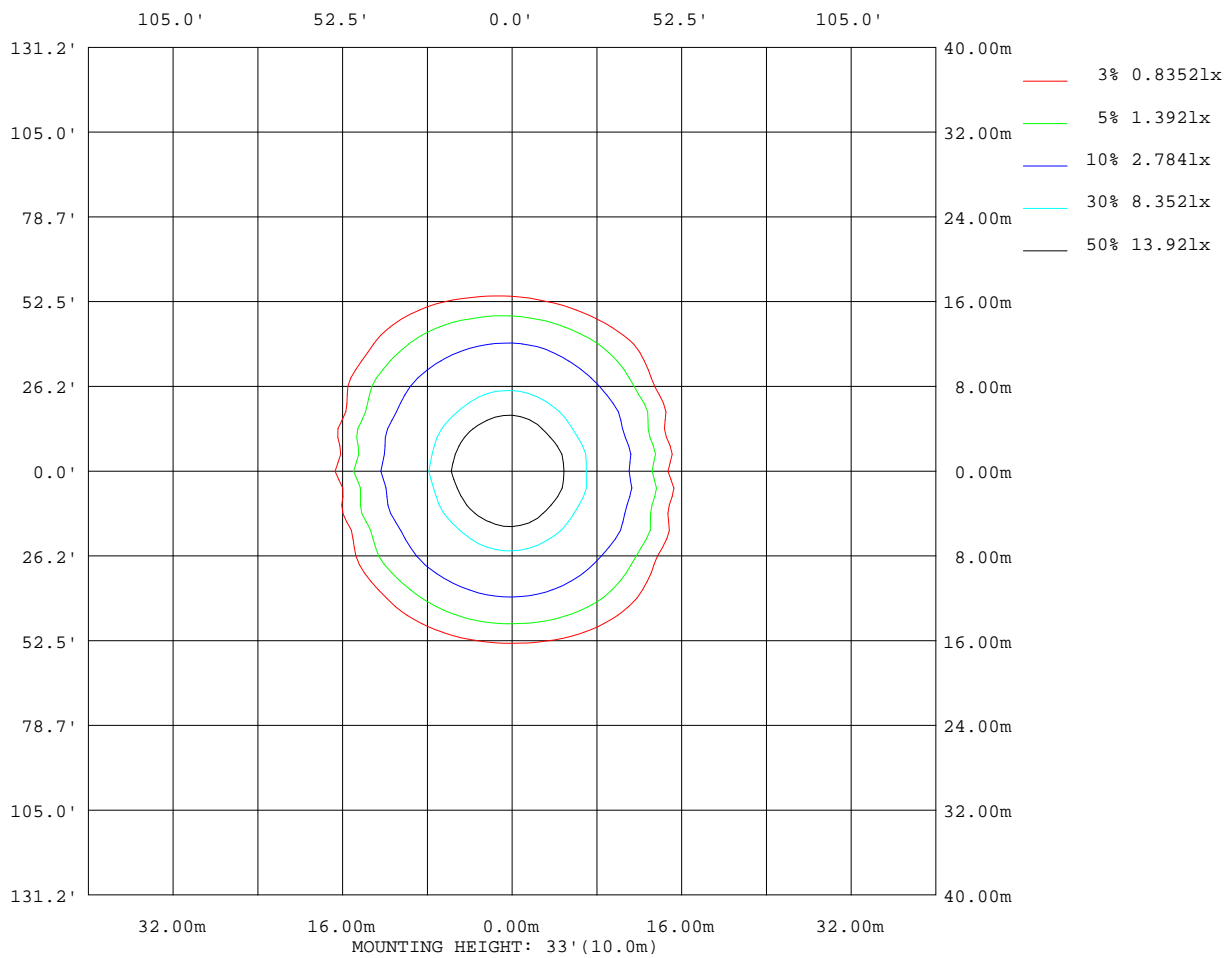


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-15

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: FL295-80W

ISOLUX DIAGRAM

Test:U:222.9V I:0.3860A P:80.70W PF:0.9700 Lamp Flux:6000x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:5KG
DIMENSION:	SPECIFICATION:FL295	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



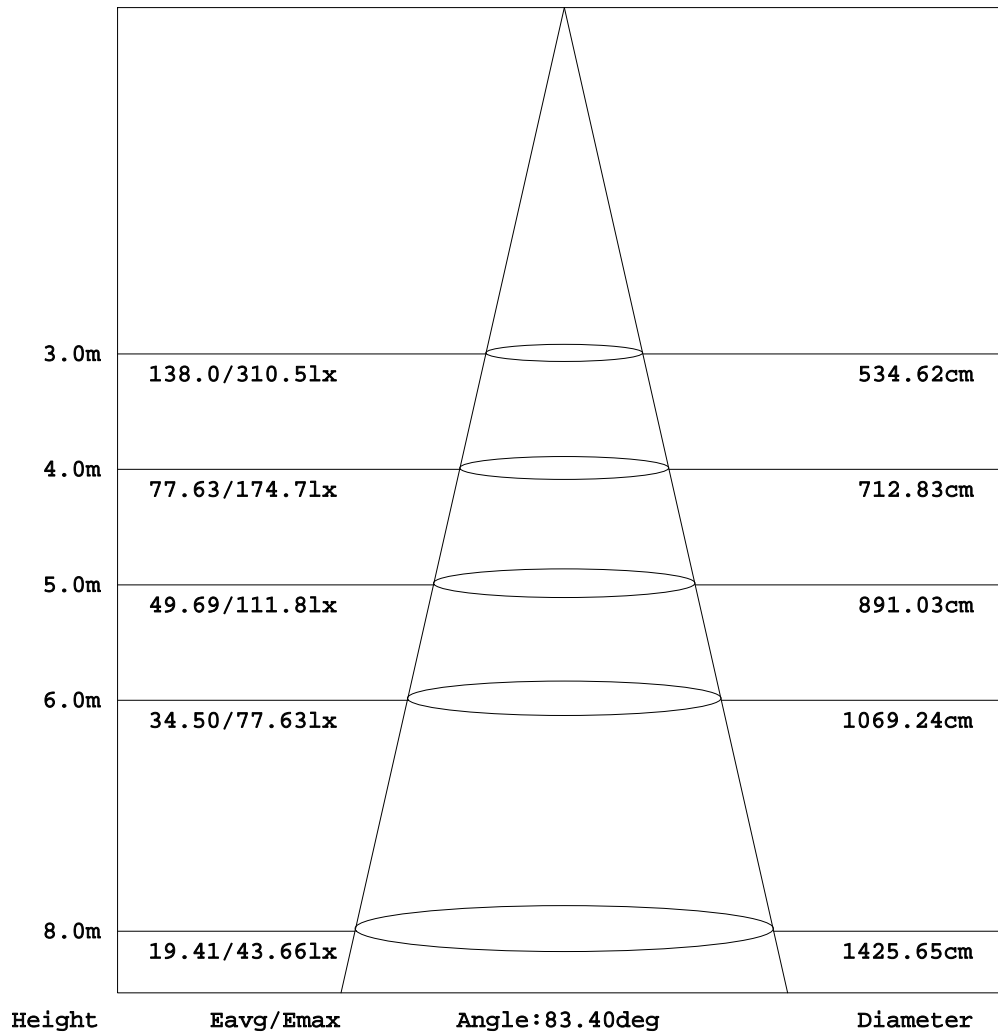
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-15

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: FL295-80W

AAI Figure

Test:U:222.9V I:0.3860A P:80.70W PF:0.9700 Lamp Flux:6000x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:5KG
DIMENSION:	SPECIFICATION:FL295	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

Flux out:3164 lm



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:30DEG
Operators:IVY
Test Date:2010-12-15

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: FL295-80W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:222.9V I:0.3860A P:80.70W PF:0.9700 Lamp Flux:6000x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:5KG
DIMENSION:	SPECIFICATION:FL295	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	3.45	3.45	3.45	3.45	3.44	3.44	3.45	3.45	3.45	3.46	3.48	3.52	3.54	3.56	3.56	3.56	3.55	3.54	3.54
-85	3.65	3.68	3.80	4.16	4.73	5.64	6.20	6.70	7.30	8.25	9.89	11.1	11.7	12.1	12.6	13.0	13.3	13.6	13.8
-80	3.90	3.97	4.62	5.51	7.28	8.54	9.55	10.6	12.1	14.9	18.0	19.4	20.4	21.2	22.0	22.8	23.4	23.9	24.5
-75	4.16	4.21	4.89	7.00	9.02	11.5	14.2	19.1	29.9	44.5	60.1	73.0	79.5	84.9	87.8	90.1	91.5	93.4	94.9
-70	4.48	5.02	7.53	10.9	13.8	17.7	23.4	38.9	64.6	92.8	119	135	145	153	157	159	162	164	166
-65	4.80	5.22	8.14	12.4	17.3	24.2	38.5	63.3	100	145	195	236	261	280	296	307	317	324	328
-60	5.31	8.49	13.5	19.6	28.0	45.7	79.6	128	188	258	324	370	403	429	450	468	481	489	490
-55	5.60	6.17	11.3	17.5	26.6	42.5	75.7	128	197	284	390	479	548	604	654	695	729	752	764
-50	6.08	9.33	15.8	25.6	41.0	74.0	130	206	306	436	569	676	765	842	908	966	1007	1032	1036
-45	5.77	8.05	14.7	25.1	42.4	77.0	137	223	340	498	662	792	903	1005	1091	1160	1221	1258	1273
-40	7.26	14.0	25.1	42.1	80.0	145	241	370	560	767	914	1043	1167	1273	1362	1433	1484	1508	1503
-35	6.29	9.01	17.0	31.4	56.4	109	193	314	493	724	921	1074	1211	1342	1455	1552	1644	1693	1716
-30	7.17	13.5	25.1	45.0	88.6	166	281	454	703	934	1113	1265	1418	1549	1667	1787	1872	1915	1917
-25	6.74	10.8	20.8	39.6	76.7	149	261	433	684	941	1140	1314	1478	1633	1774	1904	2001	2057	2087
-20	9.07	18.4	36.8	71.7	142	255	430	698	985	1199	1379	1554	1730	1889	2044	2143	2206	2245	2243
-15	6.94	12.0	23.3	45.3	91.8	179	312	528	832	1106	1313	1502	1700	1889	2070	2206	2298	2361	2394
-10	7.78	16.4	33.8	66.3	136	249	429	715	1028	1272	1472	1685	1902	2111	2276	2383	2475	2527	2545
-5	7.11	13.2	26.0	51.6	106	203	355	609	929	1203	1424	1637	1873	2108	2325	2459	2570	2643	2666
0	10.7	22.7	45.2	91.8	182	322	560	890	1176	1408	1625	1871	2126	2384	2548	2671	2763	2797	2784
5	7.01	13.1	27.1	53.6	110	209	363	625	952	1224	1448	1663	1910	2151	2368	2504	2608	2674	2689
10	7.53	18.1	36.4	71.9	146	264	453	755	1073	1315	1522	1748	1985	2199	2364	2467	2542	2579	2570
15	6.81	12.1	26.8	52.4	105	198	341	577	897	1162	1372	1560	1773	1970	2150	2275	2356	2407	2422
20	9.16	22.6	43.8	85.9	166	288	482	783	1057	1270	1442	1627	1805	1962	2102	2190	2241	2267	2251
25	6.22	11.2	25.8	49.1	95.3	176	301	496	770	1026	1226	1391	1553	1705	1840	1955	2041	2092	2105
30	6.54	15.3	32.2	59.3	114	202	330	532	805	1032	1210	1353	1487	1611	1723	1832	1913	1941	1942
35	5.52	9.54	22.9	41.7	76.6	140	235	373	586	835	1031	1180	1308	1421	1521	1609	1691	1739	1746
40	7.67	17.4	34.4	60.1	108	185	293	448	683	885	1037	1161	1268	1352	1428	1485	1540	1551	1537
45	5.14	8.84	19.4	35.8	61.7	107	178	275	420	606	783	926	1032	1121	1192	1248	1292	1321	1322
50	5.87	10.9	23.0	38.7	64.6	109	173	261	386	545	708	820	909	977	1029	1066	1086	1102	1095
55	5.29	7.68	14.8	27.4	42.5	69.2	112	173	255	365	498	615	685	739	776	803	813	821	817
60	6.50	11.6	21.3	32.6	48.9	77.0	120	177	252	343	442	499	532	548	562	557	548	541	527
65	5.13	7.06	12.3	20.5	30.0	43.7	65.4	98.8	145	204	271	331	361	375	383	382	375	369	358
70	5.31	7.84	12.9	19.3	25.9	34.1	48.4	73.0	106	143	181	204	212	211	207	201	195	185	176
75	5.04	6.08	9.27	13.7	18.0	22.6	28.5	38.8	55.8	79.6	102	122	129	129	126	121	117	112	106
80	5.37	7.61	10.9	13.4	15.5	17.7	19.6	23.6	32.4	43.7	50.4	50.9	48.0	43.2	39.3	36.0	33.7	31.8	29.9
85	5.12	5.60	7.50	9.73	11.1	12.2	13.1	14.1	16.8	21.7	26.8	29.0	28.1	26.1	23.6	21.8	20.1	19.0	18.0
90	5.17	5.56	6.98	7.96	8.04	7.86	7.56	7.22	6.82	6.65	6.52	6.32	6.12	5.86	5.68	5.43	5.19	4.97	4.81

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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]
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DIMENSION:	SPECIFICATION:FL295	SERIAL No.:
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	3.54	3.54	3.55	3.54	3.55	3.55	3.55	3.54	3.57	3.62	3.69	3.77	3.80	3.86	3.98	3.98	4.02	4.06
-85	14.1	14.3	14.2	14.2	14.4	15.3	16.1	15.3	12.4	9.69	8.62	8.00	7.50	7.05	6.40	5.52	4.55	3.90
-80	24.8	25.0	24.9	24.8	25.9	28.3	28.4	23.7	17.6	14.3	12.7	11.6	10.7	9.53	7.78	5.84	4.18	3.59
-75	95.1	96.7	96.2	97.8	97.7	97.6	96.1	85.9	71.4	53.2	37.5	25.2	18.4	14.9	11.9	9.32	6.65	4.08
-70	167	168	170	170	169	166	154	132	102	73.4	45.9	29.4	21.7	16.7	12.8	9.71	5.91	2.94
-65	328	330	328	324	315	300	279	238	188	140	96.5	60.1	36.9	24.8	17.6	12.5	8.32	3.85
-60	493	488	482	469	445	413	361	284	214	153	101	59.7	35.7	23.8	15.8	10.6	5.13	2.80
-55	760	754	737	707	671	624	563	481	379	280	197	130	78.5	45.4	27.2	17.0	10.3	4.34
-50	1025	998	958	906	844	767	673	554	423	304	208	134	76.8	42.4	25.2	15.0	8.32	1.66
-45	1263	1236	1182	1120	1047	965	864	747	604	442	307	204	124	67.6	36.1	20.7	11.6	4.32
-40	1480	1409	1332	1250	1154	1043	920	773	589	410	274	173	97.5	49.4	26.7	14.3	6.23	2.49
-35	1700	1663	1585	1485	1384	1267	1147	1012	848	655	455	295	181	100.0	50.0	25.7	13.2	4.61
-30	1886	1835	1712	1603	1474	1347	1215	1060	876	657	430	271	160	83.2	39.9	20.3	9.84	0.91
-25	2066	2023	1936	1792	1662	1515	1376	1226	1041	830	580	364	221	122	58.2	28.4	13.7	4.44
-20	2201	2127	1984	1824	1673	1516	1358	1175	959	710	449	272	155	74.8	34.8	16.4	6.18	2.44
-15	2382	2332	2238	2082	1908	1740	1562	1376	1174	947	685	429	253	138	64.9	30.1	13.8	3.88
-10	2511	2435	2318	2127	1943	1753	1543	1338	1125	879	601	353	203	103	46.3	21.4	9.23	2.12
-5	2650	2578	2477	2299	2077	1875	1658	1443	1229	995	726	450	261	142	65.6	29.7	13.3	3.72
0	2714	2607	2448	2202	1971	1738	1511	1291	1057	801	507	296	165	78.2	34.6	15.5	4.72	2.53
5	2661	2581	2476	2301	2074	1865	1648	1432	1215	982	713	435	253	136	62.0	28.1	12.5	3.16
10	2524	2433	2319	2124	1925	1735	1522	1314	1098	856	572	335	191	93.9	41.7	19.2	7.80	2.08
15	2394	2327	2225	2069	1884	1710	1526	1335	1133	915	648	397	231	122	55.9	25.9	11.6	3.28
20	2194	2105	1960	1786	1637	1469	1296	1125	913	664	406	243	130	60.1	28.3	13.2	3.65	2.82
25	2079	2022	1924	1768	1625	1478	1326	1168	992	789	530	323	188	97.4	44.7	22.0	10.4	3.11
30	1902	1834	1703	1572	1443	1304	1163	1012	840	611	380	232	128	62.3	30.2	15.0	5.85	3.10
35	1728	1678	1586	1468	1354	1230	1107	969	807	613	408	253	146	75.1	36.6	18.9	9.09	3.50
40	1505	1418	1329	1227	1119	1010	888	739	551	368	236	139	70.4	35.3	19.1	10.2	3.71	3.60
45	1307	1264	1193	1110	1019	925	829	716	567	402	266	168	92.1	46.5	25.4	14.5	7.02	3.90
50	1069	1030	960	884	807	725	639	519	381	265	172	100	51.9	28.5	17.0	10.2	4.36	4.16
55	804	771	735	684	628	573	514	439	340	242	161	98.0	53.6	29.8	18.3	11.2	6.00	4.40
60	504	476	449	416	385	349	303	242	178	120	69.7	37.4	23.1	15.6	10.6	5.36	4.65	4.59
65	347	330	313	294	271	252	228	195	153	108	67.8	38.1	23.0	16.0	11.4	7.11	4.84	4.82
70	172	163	153	144	136	125	116	97.6	74.7	46.6	26.5	17.8	13.6	10.7	7.08	4.99	5.03	5.03
75	102	97.8	92.3	86.9	80.4	75.5	69.6	62.4	50.5	36.9	23.1	14.8	11.0	8.69	7.15	5.49	5.14	5.23
80	28.1	26.0	24.0	21.8	19.5	17.6	15.9	13.3	11.0	9.52	8.20	6.70	5.37	4.94	5.06	5.22	5.41	5.43
85	17.0	16.0	15.1	14.0	12.9	11.8	10.9	9.87	8.48	7.57	6.88	6.20	5.43	4.91	4.94	5.12	5.33	5.50
90	4.81	4.88	4.92	4.90	4.88	4.80	4.77	4.75	4.76	4.75	4.75	4.74	4.76	4.83	5.01	5.25	5.48	5.71

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-15

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: FL295-80W

50% Beam Angle : 83°-H X 86°-V

TOTAL FLUX : 5096 lm

EFFICIENCY : 84.9%

AVAILABILITY FLUX : 4898 lm

AVAILABILITY : 81.6%

