

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:2010-12-17

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: FL295-60W, 90LM/W

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

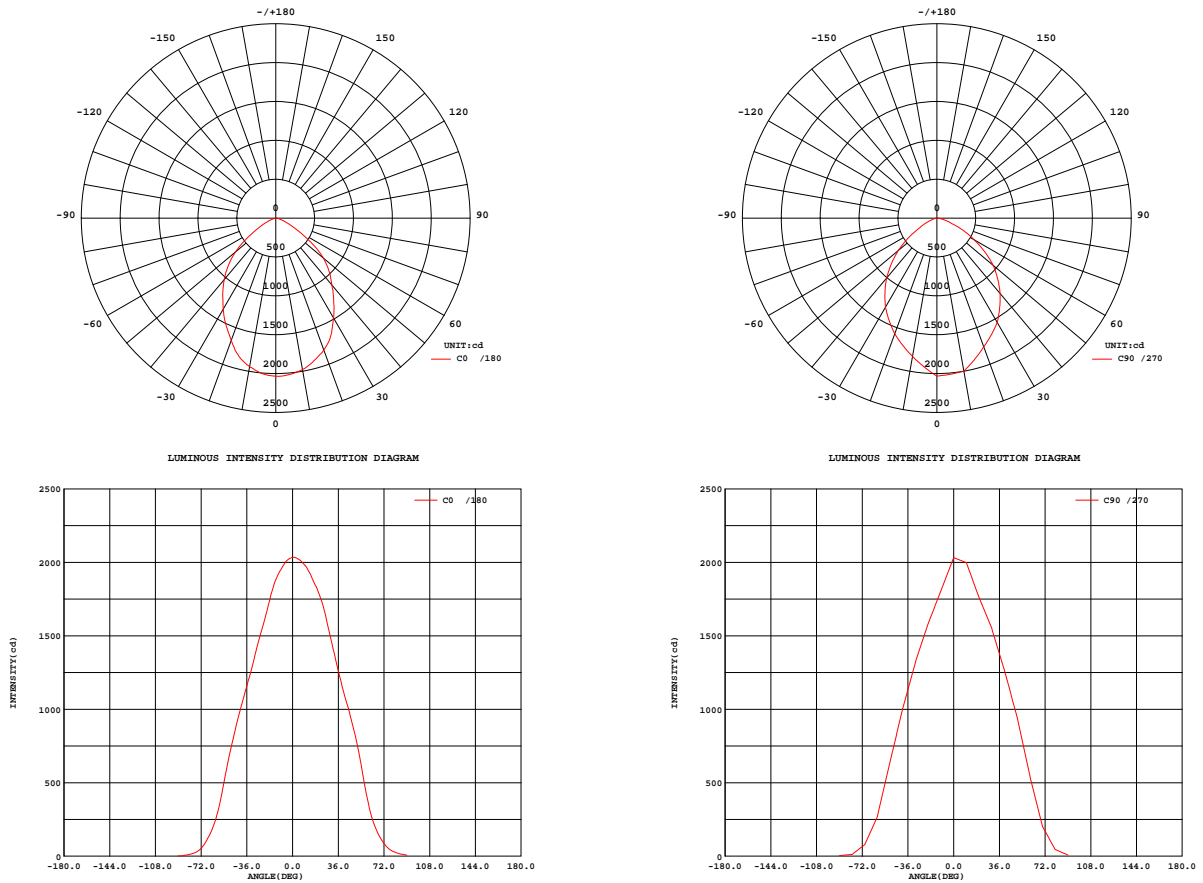


Fig. C0/C180

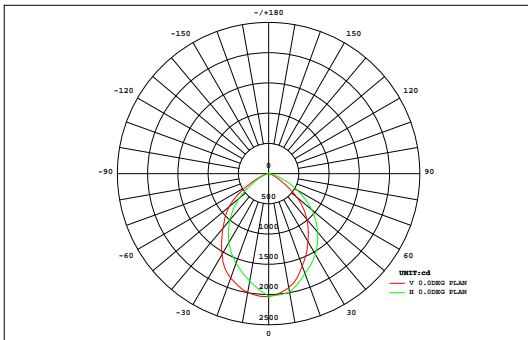
Fig. C90/C270

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-17

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: FL295-60W, 90LM/W

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:226.9V I:0.2840A P:61.50W PF:0.9530 Lamp Flux:5100x1 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	FL295-60W	Imax(cd)	2034
NOMINAL POWER(W)	64	AVAILABILITY(%)	71.9
RATED VOLTAGE(V)	222	Avai. FLUX(lm)	3666
NOMINAL FLUX(lm)	5100.0	EFFICIENCY(%)	74.7
LAMPS INSIDE	1	TOTAL FLUX(lm)	3808
TEST VOLTAGE(V)	222.6	θ @50%(H,V)	85,88DEG

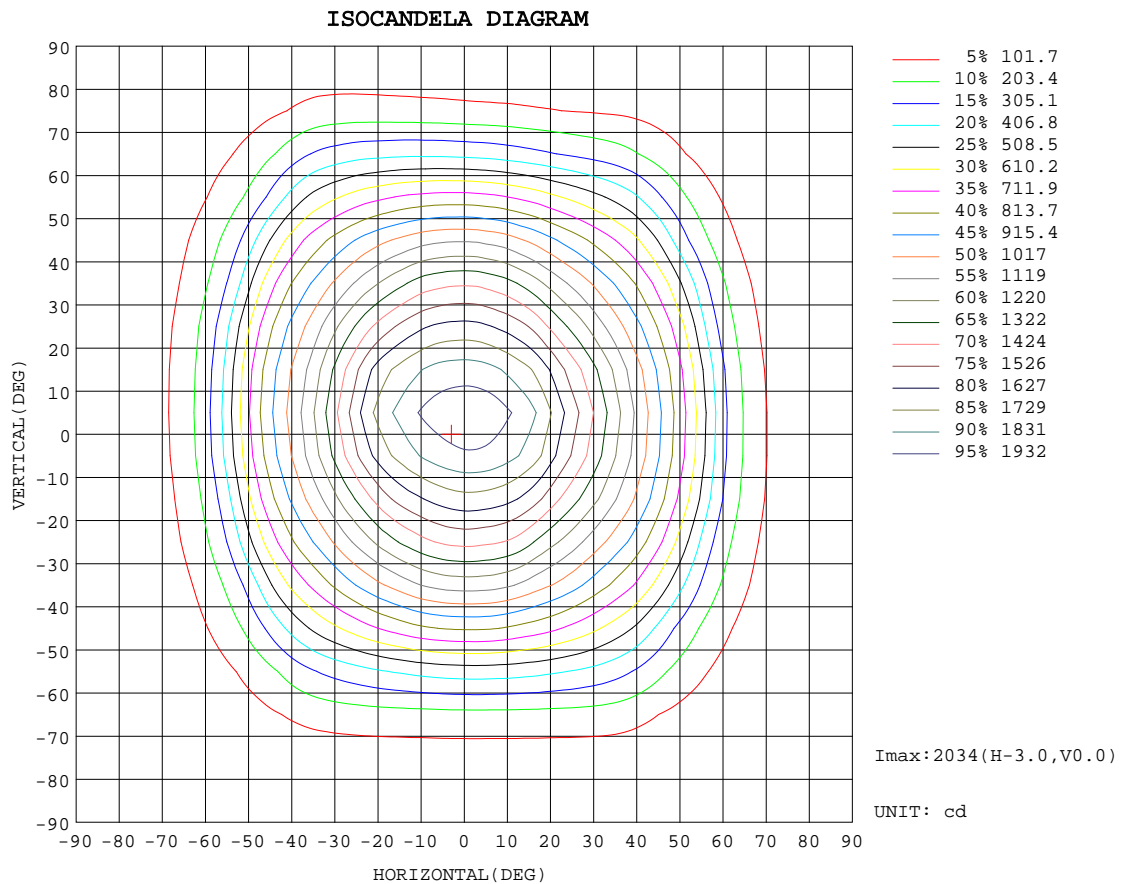
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.06	0.13	0.24	0.47	0.72	0.80	0.77	0.71	0.64	0.56	0.45	0.35	0.22	0.11	0.06	0.03	0.01	6.35	0.00
90	0.01	0.06	0.13	0.24	0.47	0.72	0.80	0.77	0.71	0.64	0.56	0.45	0.35	0.22	0.11	0.06	0.03	0.01	6.35	0.00
80	0.02	0.10	0.28	0.72	1.76	3.00	3.55	3.59	3.46	3.21	2.84	2.37	1.86	1.11	0.44	0.14	0.05	0.01	28.5	1.70
70	0.02	0.15	0.54	1.70	4.19	7.53	9.59	10.6	10.8	10.4	9.13	7.49	5.65	3.20	1.17	0.29	0.08	0.01	82.6	68.9
60	0.03	0.23	0.95	3.06	7.72	13.7	18.1	21.1	22.5	21.9	19.3	15.6	11.3	6.28	2.39	0.60	0.12	0.01	165	158
50	0.03	0.29	1.36	4.53	11.6	19.4	25.9	30.9	33.7	33.2	29.5	23.8	17.5	10.2	3.96	1.02	0.17	0.02	247	242
40	0.04	0.39	1.92	6.60	15.8	24.2	32.1	38.8	42.6	41.9	36.8	29.5	21.8	13.4	5.51	1.42	0.22	0.02	313	309
30	0.04	0.40	2.16	7.86	17.9	27.4	37.3	45.8	50.2	49.5	44.1	35.2	26.0	16.8	7.36	1.92	0.29	0.02	370	367
20	0.05	0.50	2.64	9.53	20.1	30.8	43.3	52.4	56.7	55.8	49.8	39.6	28.8	18.2	8.09	2.11	0.32	0.02	419	415
10	0.05	0.45	2.47	9.31	20.2	31.7	45.5	55.9	61.2	60.9	54.6	43.1	31.0	19.7	9.14	2.43	0.38	0.03	448	445
0	0.05	0.50	2.66	9.58	20.1	31.4	43.9	53.4	58.5	58.2	51.9	40.8	29.4	18.6	8.32	2.20	0.34	0.03	430	427
-10	0.04	0.38	2.10	7.76	17.7	27.5	37.7	46.1	50.7	50.8	45.9	37.0	27.6	17.9	8.05	2.20	0.36	0.03	380	376
-20	0.04	0.38	1.95	6.87	15.5	24.1	32.6	39.9	43.9	43.5	38.5	31.1	23.3	14.6	5.97	1.63	0.26	0.02	324	320
-30	0.03	0.25	1.29	4.53	11.4	19.0	26.0	31.7	35.2	35.1	31.3	25.9	19.3	11.8	4.83	1.39	0.24	0.03	259	255
-40	0.03	0.22	1.01	3.37	8.23	14.0	19.0	23.0	25.0	24.8	22.4	18.4	13.4	7.31	2.85	0.78	0.15	0.02	184	178
-50	0.02	0.13	0.49	1.70	4.25	7.63	10.4	12.4	13.7	13.8	12.8	10.8	8.11	4.50	1.84	0.51	0.13	0.02	103	94.4
-60	0.02	0.10	0.29	0.89	2.11	3.31	4.01	4.36	4.56	4.57	4.40	4.06	3.20	1.75	0.64	0.20	0.08	0.01	38.6	7.75
-70	0.01	0.06	0.12	0.20	0.48	0.75	0.87	0.89	0.91	0.91	0.90	0.88	0.79	0.51	0.21	0.12	0.06	0.01	8.68	0.00
-80	0.01	0.03	0.06	0.08	0.08	0.08	0.10	0.11	0.12	0.12	0.11	0.10	0.08	0.07	0.07	0.06	0.03	0.01	1.35	0.00
-90	0.01	0.03	0.06	0.08	0.08	0.08	0.10	0.11	0.12	0.12	0.11	0.10	0.08	0.07	0.07	0.06	0.03	0.01	1.35	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.56	4.62	22.4	78.5	180	286	391	472	514	509	455	366	269	166	70.9	19.1	3.32	0.35	3808	---
Φ a	0.00	0.00	8.29	67.0	170	278	383	464	506	501	446	357	261	157	59.6	6.30	0.00	0.00	---	3666

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-17

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: FL295-60W, 90LM/W

ISOCANDELA DIAGRAM

Test:U:226.9V I:0.2840A P:61.50W PF:0.9530 Lamp Flux:5100x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:5KG
DIMENSION:	SPECIFICATION:FL295	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

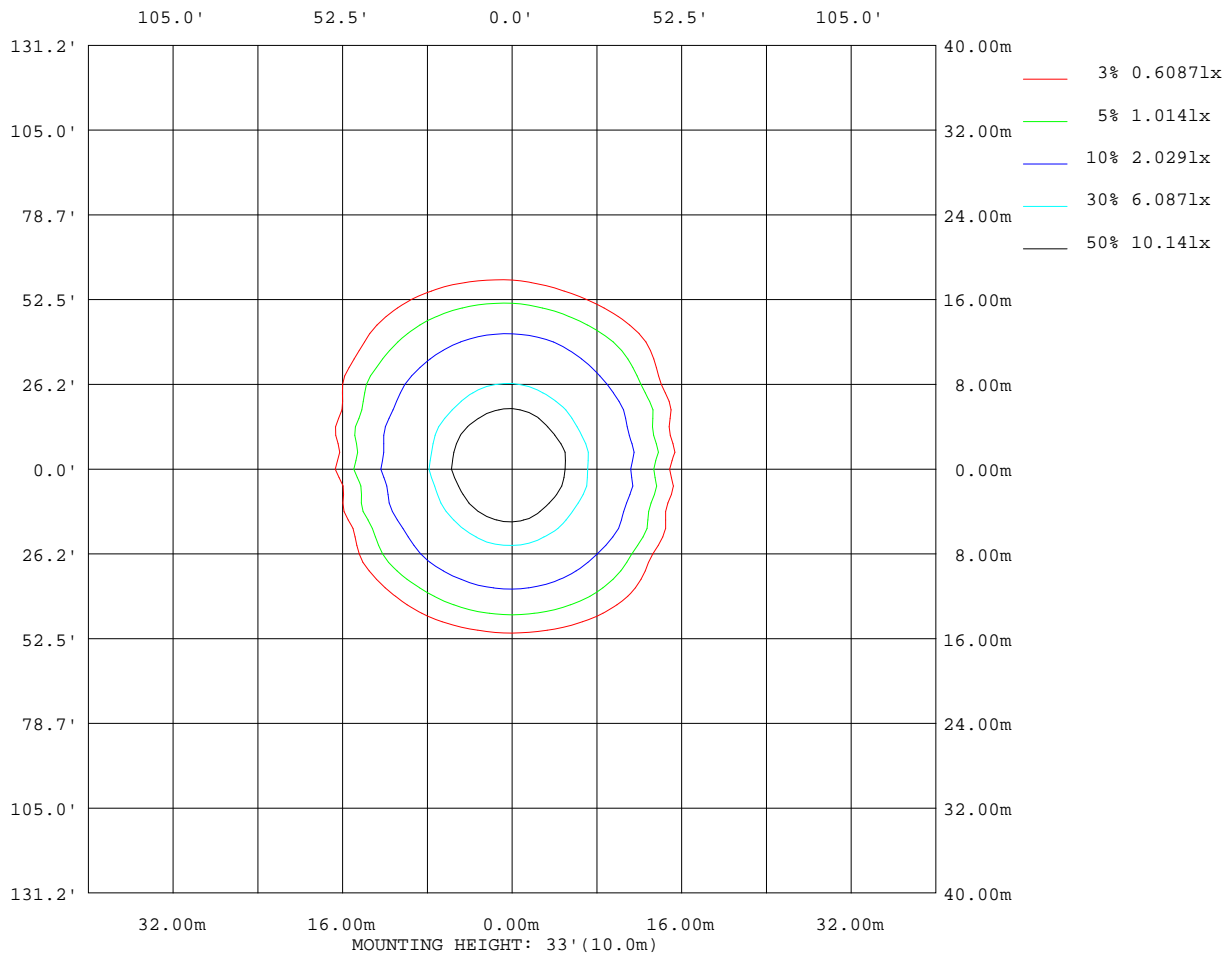


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-17

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: FL295-60W, 90LM/W

ISOLUX DIAGRAM

Test:U:226.9V I:0.2840A P:61.50W PF:0.9530 Lamp Flux:5100x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:5KG
DIMENSION:	SPECIFICATION:FL295	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



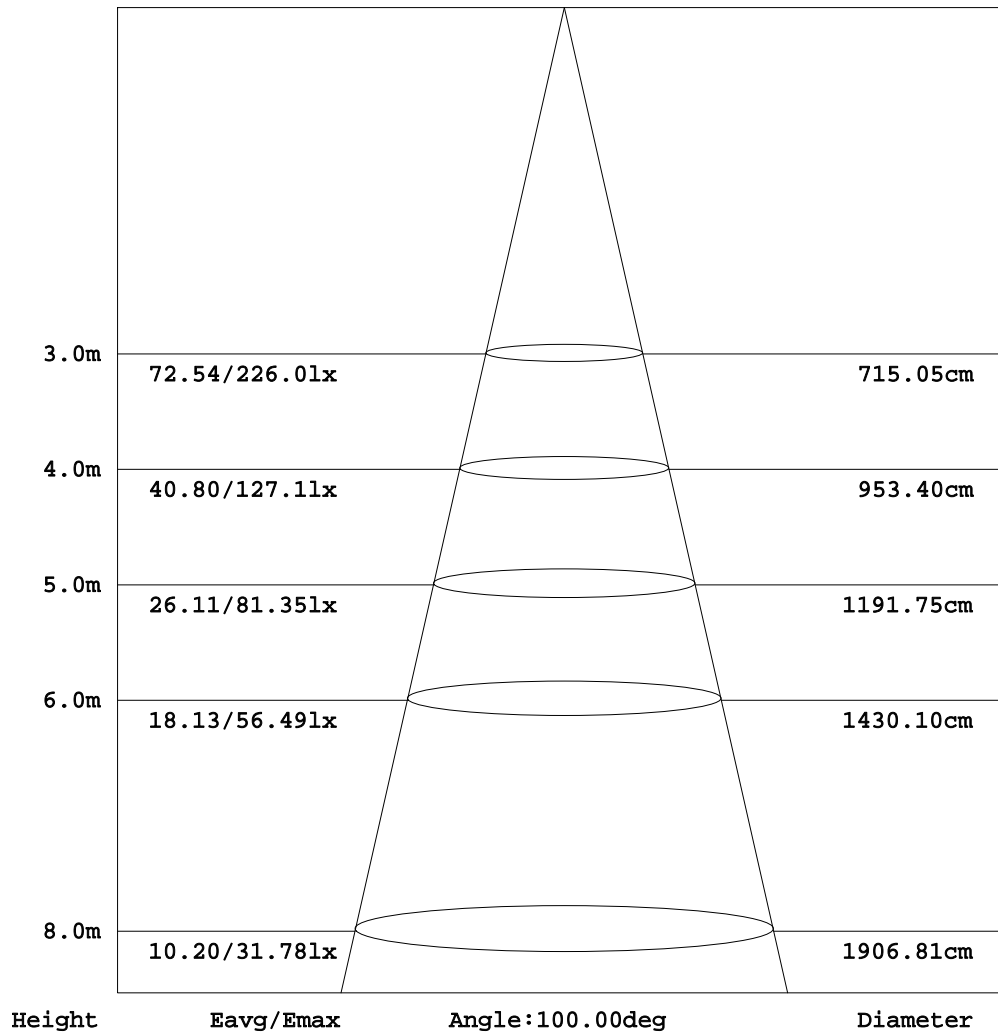
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-17

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: FL295-60W, 90LM/W

AAI Figure

Test:U:226.9V I:0.2840A P:61.50W PF:0.9530 Lamp Flux:5100x1 lm		
NAME: LED FLOOD LIGHT	TYPE:LED	WEIGHT:5KG
DIMENSION:	SPECIFICATION:FL295	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

Flux out:2913 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:2010-12-17

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: FL295-60W, 90LM/W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:226.9V I:0.2840A P:61.50W PF:0.9530 Lamp Flux:5100x1 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	3.82	3.81	3.79	3.78	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.78	3.79	3.81	3.82	3.84	3.86	3.87	3.88
-85	3.96	3.99	4.15	4.36	4.60	4.97	5.35	5.61	5.86	6.09	6.36	6.63	6.91	7.22	7.51	7.71	7.83	7.89	7.90
-80	4.12	4.32	4.74	5.18	5.76	6.71	7.24	7.74	8.23	8.73	9.30	9.84	10.4	11.0	11.5	11.7	11.9	11.9	11.9
-75	4.28	4.36	5.05	6.59	7.82	9.15	10.7	12.7	17.6	25.0	32.6	38.5	41.2	43.1	44.0	44.0	44.3	44.9	44.7
-70	4.47	5.11	7.19	9.47	11.3	13.5	16.1	22.7	35.6	50.5	63.4	70.5	74.4	76.6	76.5	76.6	77.6	77.4	77.8
-65	4.62	5.21	7.64	10.7	14.1	18.1	26.1	40.2	61.3	87.7	114	134	148	155	161	165	168	172	174
-60	5.24	8.23	11.7	15.9	21.2	31.0	51.2	81.4	117	156	190	215	231	242	252	258	262	269	271
-55	5.09	5.97	10.2	14.8	21.0	30.9	51.2	84.8	129	182	244	298	337	368	396	417	436	450	457
-50	5.46	8.89	13.7	20.7	30.8	51.9	88.6	138	201	281	367	430	481	529	568	600	628	641	646
-45	5.38	7.63	13.0	20.7	32.8	56.0	96.1	153	230	331	438	525	594	656	712	757	796	818	825
-40	6.73	12.3	21.0	33.0	59.3	103	168	253	376	511	617	706	782	854	912	966	993	1007	1006
-35	5.72	8.47	15.1	25.6	43.5	80.3	139	221	340	496	630	733	828	918	997	1061	1119	1153	1164
-30	6.30	11.8	21.3	35.8	67.2	123	201	319	488	651	771	876	985	1077	1157	1230	1291	1316	1321
-25	5.82	9.50	17.9	31.7	58.6	110	189	307	480	660	800	916	1029	1140	1242	1328	1393	1437	1454
-20	8.17	16.1	29.6	54.9	106	185	306	492	694	845	973	1089	1211	1324	1431	1506	1554	1583	1577
-15	5.98	10.3	19.7	35.7	69.3	132	226	377	592	784	930	1065	1198	1332	1459	1558	1621	1669	1694
-10	6.71	13.6	27.0	50.7	101	183	310	513	733	903	1047	1197	1350	1495	1614	1691	1750	1793	1807
-5	5.56	11.0	21.5	40.2	79.9	150	261	441	672	864	1020	1179	1344	1513	1661	1760	1837	1890	1918
0	9.39	18.7	35.5	70.4	135	237	407	648	854	1019	1177	1358	1540	1721	1837	1928	1992	2027	2029
5	5.52	11.0	22.3	41.8	83.2	156	271	461	702	895	1052	1215	1401	1591	1758	1859	1943	1994	2015
10	6.58	14.8	29.2	55.5	112	199	342	568	796	967	1117	1294	1486	1682	1810	1898	1963	1993	1994
15	5.43	10.7	22.0	41.3	81.4	152	261	441	678	871	1023	1166	1338	1509	1668	1758	1827	1871	1881
20	8.20	18.7	35.1	67.6	130	225	375	604	806	959	1093	1246	1397	1541	1642	1704	1754	1766	1756
25	4.96	9.84	21.3	39.3	75.8	140	238	392	603	795	942	1066	1201	1333	1451	1541	1610	1648	1659
30	5.76	13.6	26.5	48.1	91.2	163	265	432	644	811	937	1050	1165	1273	1372	1465	1520	1546	1547
35	4.81	8.53	19.5	34.4	63.1	115	193	307	483	673	815	925	1031	1130	1218	1296	1366	1397	1410
40	6.84	15.5	28.7	50.2	90.4	154	245	377	563	718	834	929	1019	1096	1160	1215	1255	1269	1265
45	4.43	7.84	16.7	29.9	51.7	90.2	150	233	356	510	647	756	844	920	986	1035	1079	1103	1108
50	5.05	9.57	19.8	32.4	54.8	92.9	149	223	335	476	602	691	765	826	873	910	937	946	943
55	4.35	6.66	12.9	23.2	36.2	60.1	97.8	151	223	326	441	535	597	650	688	719	738	749	750
60	5.49	10.0	18.4	27.9	42.9	68.8	108	159	228	315	400	456	495	525	542	554	556	553	544
65	4.07	5.96	10.6	17.7	26.1	38.9	59.6	90.9	133	190	254	311	343	366	376	384	385	384	377
70	4.32	6.68	11.0	16.8	23.0	31.6	46.9	71.8	103	140	182	209	220	221	220	218	213	207	200
75	3.94	4.95	7.88	11.8	15.9	20.6	27.2	39.0	57.6	81.9	107	131	141	143	141	138	134	130	125
80	4.27	6.36	9.23	11.6	14.3	16.7	20.0	27.5	40.1	53.7	62.5	66.6	66.2	62.5	57.8	53.9	50.8	47.5	45.1
85	3.83	4.43	6.24	8.32	9.96	11.5	12.8	15.1	19.9	26.6	33.2	36.7	37.5	36.3	34.5	32.1	30.4	28.5	27.1
90	3.88	4.43	5.82	6.93	7.49	7.79	7.85	7.81	7.83	7.98	8.10	8.11	8.08	8.12	8.21	8.20	8.05	7.89	7.64

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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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LUMINOUS DISTRIBUTION INTENSITY DATA

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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	3.89	3.90	3.92	3.93	3.95	3.97	3.98	3.98	3.96	3.97	3.99	4.01	4.03	4.04	4.06	4.09	4.13	4.20
-85	7.90	7.83	7.74	7.54	7.27	7.04	6.87	6.64	6.35	6.10	5.88	5.71	5.46	5.13	4.71	4.32	4.08	3.99
-80	11.8	11.7	11.3	10.8	10.3	9.90	9.49	8.93	8.41	7.95	7.57	7.15	6.53	5.71	4.88	4.26	3.89	3.84
-75	44.6	45.1	44.6	44.9	44.8	44.7	43.8	39.6	33.4	24.9	17.3	12.8	10.7	9.13	7.72	6.27	4.79	3.78
-70	77.9	77.4	78.9	78.4	79.4	78.9	74.3	63.5	48.6	32.4	20.8	15.8	13.0	10.8	8.92	6.58	4.29	3.38
-65	174	173	172	168	167	161	151	129	102	74.5	49.3	30.5	20.3	15.2	11.6	8.75	5.68	3.45
-60	269	267	261	256	247	233	205	163	123	85.2	53.1	31.4	20.8	15.0	10.9	7.38	3.82	3.11
-55	457	451	439	422	403	377	342	293	229	168	117	74.3	44.1	26.5	17.2	11.6	7.27	3.50
-50	638	622	598	566	528	480	424	348	260	187	126	78.2	43.6	25.4	16.3	10.4	5.67	2.32
-45	824	804	773	737	687	631	565	490	386	278	193	126	73.6	39.7	22.7	13.8	8.23	3.28
-40	991	948	907	849	782	705	621	511	377	264	174	108	57.6	30.2	17.4	9.98	4.10	2.63
-35	1159	1133	1080	1020	954	874	788	697	575	433	296	192	115	62.4	31.4	17.0	9.16	3.28
-30	1303	1261	1180	1117	1030	943	853	740	603	434	284	179	103	52.4	25.7	13.7	6.62	1.47
-25	1441	1415	1345	1252	1166	1070	971	868	737	576	392	247	148	79.6	37.4	18.9	9.52	3.04
-20	1554	1500	1394	1286	1186	1080	973	842	685	495	310	188	105	49.4	23.4	11.4	4.01	2.14
-15	1686	1655	1587	1476	1361	1246	1126	1000	857	690	491	303	180	96.6	44.7	20.9	9.86	2.82
-10	1786	1738	1654	1523	1399	1268	1136	993	833	654	431	257	148	73.3	32.6	15.3	6.63	1.30
-5	1911	1865	1793	1665	1518	1376	1224	1077	924	751	545	332	194	104	47.2	21.3	9.70	2.65
0	1989	1913	1795	1625	1470	1300	1142	984	810	613	389	226	125	57.9	25.1	11.4	3.36	1.92
5	2003	1947	1869	1736	1572	1423	1259	1100	940	764	558	339	196	104	46.9	20.8	9.31	2.33
10	1961	1892	1799	1645	1498	1352	1183	1030	861	682	453	264	149	72.9	31.4	14.4	5.78	1.62
15	1864	1813	1741	1620	1477	1345	1200	1052	900	732	525	319	184	96.0	43.3	19.5	8.77	2.41
20	1713	1650	1549	1419	1299	1167	1035	898	740	546	336	198	105	47.3	21.6	10.0	2.70	2.16
25	1639	1594	1523	1408	1296	1182	1063	942	804	648	443	268	155	78.8	35.1	16.9	7.94	2.30
30	1511	1461	1365	1262	1159	1052	947	826	690	514	322	194	107	50.4	23.5	11.6	4.40	2.32
35	1392	1352	1280	1190	1098	1005	908	804	675	519	350	215	123	62.2	29.2	14.8	6.98	2.56
40	1229	1161	1087	1006	928	840	749	632	481	320	203	118	59.8	28.6	15.1	7.94	2.70	2.60
45	1092	1061	1005	937	866	791	712	623	503	358	237	147	81.3	40.1	20.9	11.6	5.63	2.85
50	926	890	843	781	718	649	576	474	350	242	157	92.3	47.1	24.5	14.2	8.38	3.33	3.07
55	737	713	679	633	587	536	481	414	321	229	152	92.4	50.5	26.8	15.7	9.46	4.84	3.23
60	525	496	463	430	395	361	313	243	177	120	71.6	37.9	21.2	13.7	9.12	4.62	3.42	3.37
65	369	353	333	311	290	268	244	207	159	114	72.8	40.9	22.7	14.8	10.3	6.54	3.67	3.58
70	194	187	177	167	158	147	135	113	87.5	57.2	32.8	18.8	13.3	9.93	7.04	4.11	3.77	3.76
75	121	118	111	105	98.6	93.3	87.3	76.6	61.8	44.0	28.3	17.1	11.6	8.60	6.46	4.78	3.88	3.91
80	42.9	41.0	37.9	35.2	33.0	31.1	29.1	23.4	15.6	11.0	9.04	7.65	6.15	4.52	3.84	3.97	4.03	4.03
85	25.9	24.7	23.3	21.4	19.9	18.7	17.6	15.8	12.1	8.51	6.94	6.12	5.43	4.61	3.92	3.94	4.08	4.17
90	7.31	6.90	6.41	5.87	5.30	4.73	4.35	4.05	3.84	3.77	3.77	3.75	3.76	3.77	3.93	4.08	4.24	4.30

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:IVY
Test Date:2010-12-17

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: FL295-60W, 90LM/W

50% Beam Angle : 85°-H X 88°-V

TOTAL FLUX : 3808 lm

EFFICIENCY : 74.7%

AVAILABILITY FLUX : 3666 lm

AVAILABILITY : 71.9%

