

Luminaire Photograph

120W FL330
Feelight Tech Co., Limited



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XH
Test Date:2012-03-07

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks: FL330-120W, 90LM/W LED

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

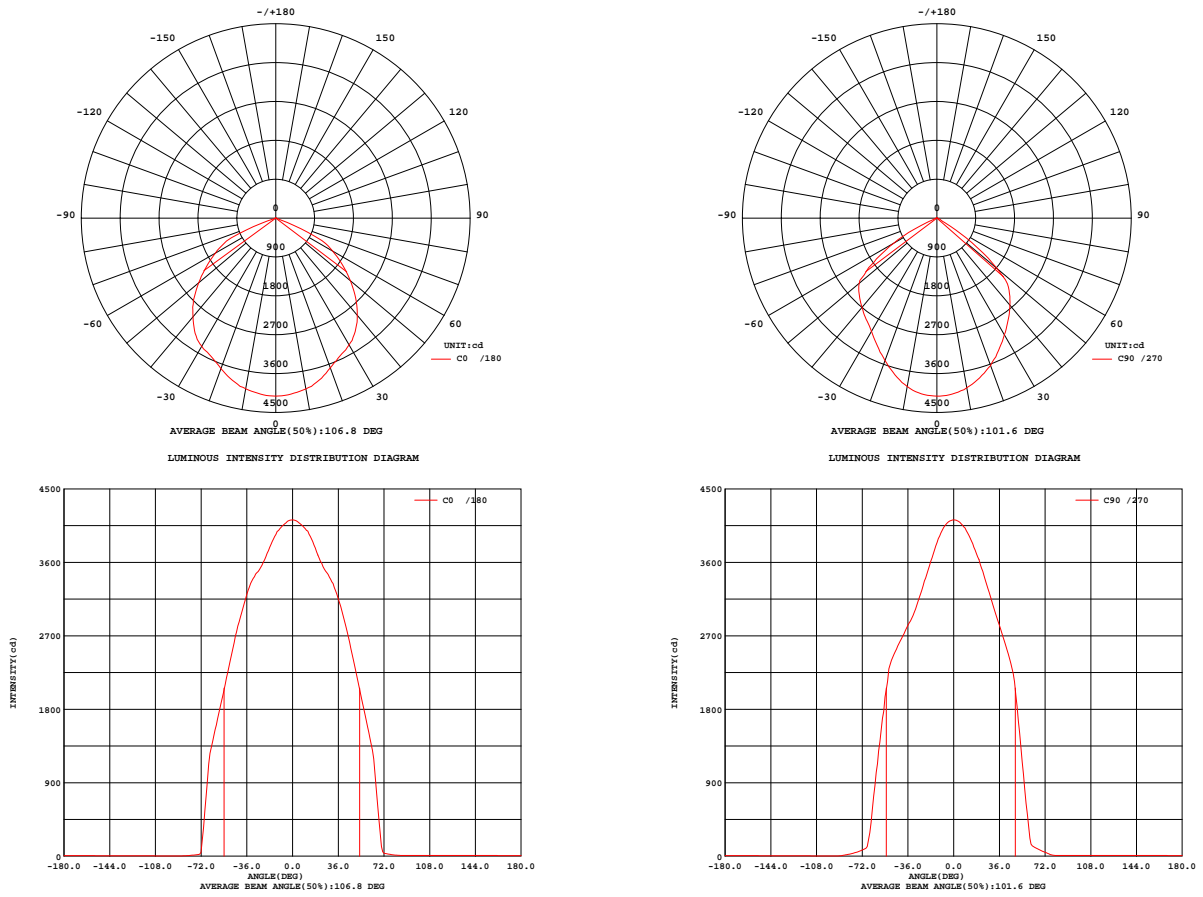


Fig. C0/C180

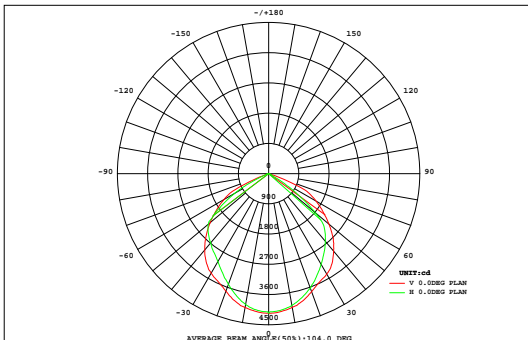
Fig. C90/C270

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XH
Test Date:2012-03-07

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks: FL330-120W, 90LM/W LED

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.5940A P:126.7W PF:0.9670 Lamp Flux:10000x1 lm		
NAME: 120W	TYPE:FL330	WEIGHT:
DIMENSION:	SPECIFICATION:	SERIAL No.:
MANUFACTURER: Feelight Tech Co., Limited	SURFACE:	PROTECTION ANGLE:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	FL330-120W	Imax(cd)	4155
NOMINAL POWER(W)	128	AVAILABILITY(%)	91.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	9111
NOMINAL FLUX(lm)	10000	EFFICIENCY(%)	92.8
LAMPS INSIDE	1	TOTAL FLUX(lm)	9281
TEST VOLTAGE(V)	220.9	θ @50%(H,V)	107,101DEG

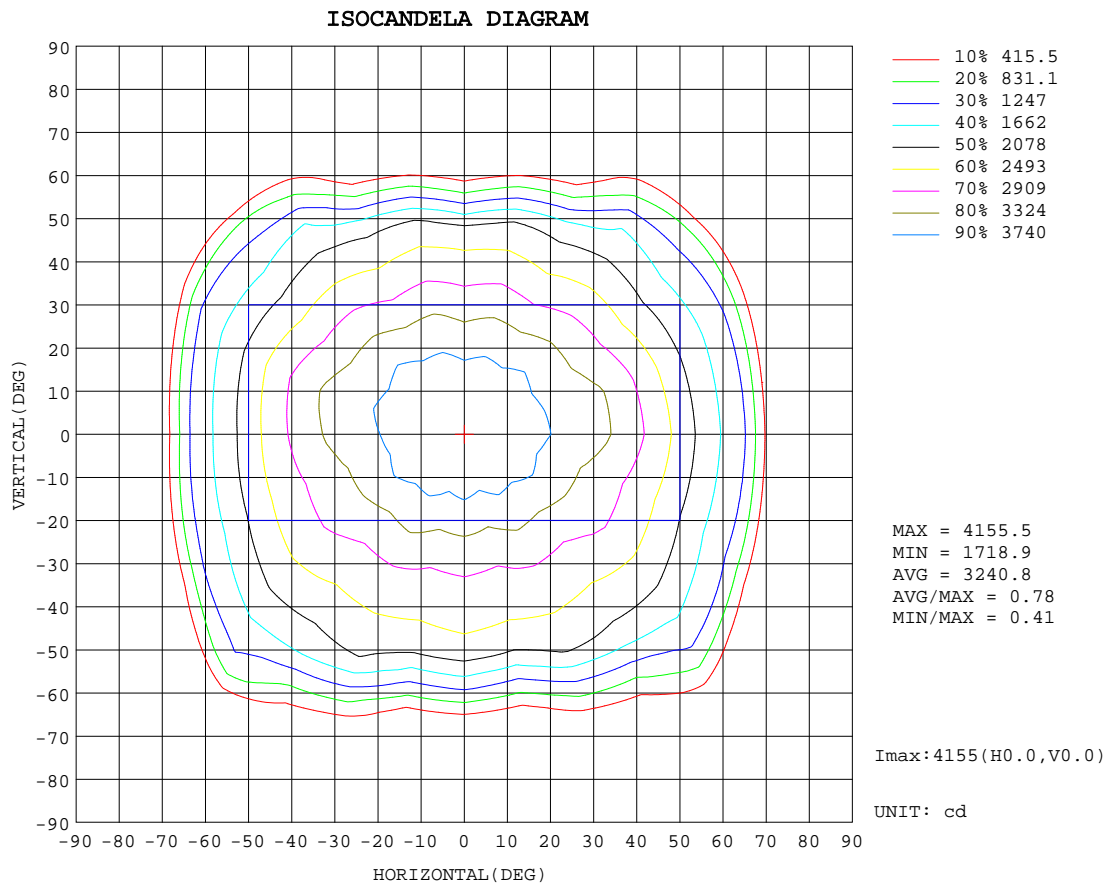
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.02	0.07	0.12	0.15	0.19	0.22	0.24	0.27	0.27	0.26	0.26	0.24	0.22	0.19	0.15	0.11	0.07	0.02	3.07	0.00
90	0.02	0.07	0.12	0.15	0.19	0.22	0.24	0.27	0.27	0.26	0.26	0.24	0.22	0.19	0.15	0.11	0.07	0.02	3.07	0.00
80	0.02	0.08	0.13	0.21	0.35	0.55	0.84	1.15	1.05	1.05	1.15	0.80	0.50	0.32	0.19	0.13	0.07	0.02	8.62	0.00
70	0.02	0.09	0.20	0.39	1.21	3.09	2.53	3.94	3.88	3.83	3.85	2.54	3.00	1.06	0.34	0.18	0.08	0.02	30.3	0.00
60	0.03	0.11	0.31	2.82	13.9	22.8	24.9	34.2	34.1	33.7	33.3	24.1	21.9	12.7	1.92	0.26	0.10	0.02	261	248
50	0.03	0.14	1.53	14.9	31.0	46.2	56.5	67.4	71.7	71.1	65.8	54.6	44.3	29.3	12.8	0.96	0.12	0.02	568	565
40	0.03	0.17	5.98	24.2	39.9	57.4	71.6	81.9	88.4	87.8	80.2	69.6	55.4	38.0	22.7	4.81	0.14	0.02	728	726
30	0.03	0.21	10.0	29.5	48.1	66.9	84.9	97.0	104	103	95.0	82.8	64.9	46.1	28.3	9.69	0.16	0.02	871	869
20	0.03	0.28	12.1	32.5	55.0	76.9	94.2	110	117	115	107	92.2	75.2	53.3	32.0	13.0	0.29	0.02	986	984
10	0.03	0.30	12.8	33.5	57.0	80.8	98.9	115	124	122	113	97.9	80.8	57.3	34.2	14.8	0.47	0.02	1042	1040
0	0.03	0.30	12.7	33.3	56.0	77.9	95.4	112	122	122	112	95.5	78.6	56.8	34.3	14.9	0.49	0.02	1024	1023
-10	0.03	0.26	11.9	31.9	53.2	73.1	89.5	104	112	111	103	89.5	73.1	53.0	32.2	13.4	0.32	0.02	952	950
-20	0.03	0.19	9.80	29.5	49.8	67.9	80.2	92.4	97.5	97.0	91.9	80.0	67.7	49.2	29.3	10.5	0.16	0.02	853	851
-30	0.02	0.13	6.39	26.6	44.8	59.7	71.6	80.8	85.2	85.1	80.8	71.4	59.1	44.2	26.3	6.41	0.11	0.01	749	747
-40	0.02	0.10	3.41	21.9	36.9	50.6	63.4	70.6	75.4	75.2	70.1	62.9	49.6	35.6	21.0	3.00	0.08	0.01	640	637
-50	0.02	0.07	1.13	13.2	22.8	34.0	45.2	46.6	51.8	50.8	44.0	41.2	29.6	19.6	11.0	0.88	0.06	0.01	412	408
-60	0.02	0.05	0.18	2.00	4.93	8.97	13.0	10.9	13.4	12.8	9.21	10.1	6.10	3.23	1.54	0.16	0.04	0.01	96.6	63.4
-70	0.02	0.03	0.09	0.19	0.32	0.74	1.16	1.31	1.61	1.62	1.33	1.18	0.77	0.35	0.19	0.09	0.03	0.01	11.0	0.00
-80	0.02	0.03	0.05	0.08	0.11	0.23	0.32	0.34	0.45	0.45	0.34	0.33	0.24	0.11	0.08	0.05	0.03	0.01	3.25	0.00
-90	0.02	0.03	0.05	0.08	0.11	0.23	0.32	0.34	0.45	0.45	0.34	0.33	0.24	0.11	0.08	0.05	0.03	0.01	3.25	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.45	2.61	88.9	297	515	728	895	1030	1102	1094	1013	877	711	500	288	93.2	2.81	0.26	9239	---
Φ a	0.00	0.00	78.5	291	509	720	885	1019	1091	1083	1002	868	703	493	282	84.9	0.00	0.00	---	9111

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XH
Test Date:2012-03-07

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks: FL330-120W, 90LM/W LED

ISOCANDELA DIAGRAM

Test:U:219.4V I:0.5940A P:126.7W PF:0.9670 Lamp Flux:10000x1 lm		
NAME: 120W	TYPE:FL330	WEIGHT:
DIMENSION:	SPECIFICATION:	SERIAL No.:
MANUFACTURER: Feelight Tech Co., Limited	SURFACE:	PROTECTION ANGLE:

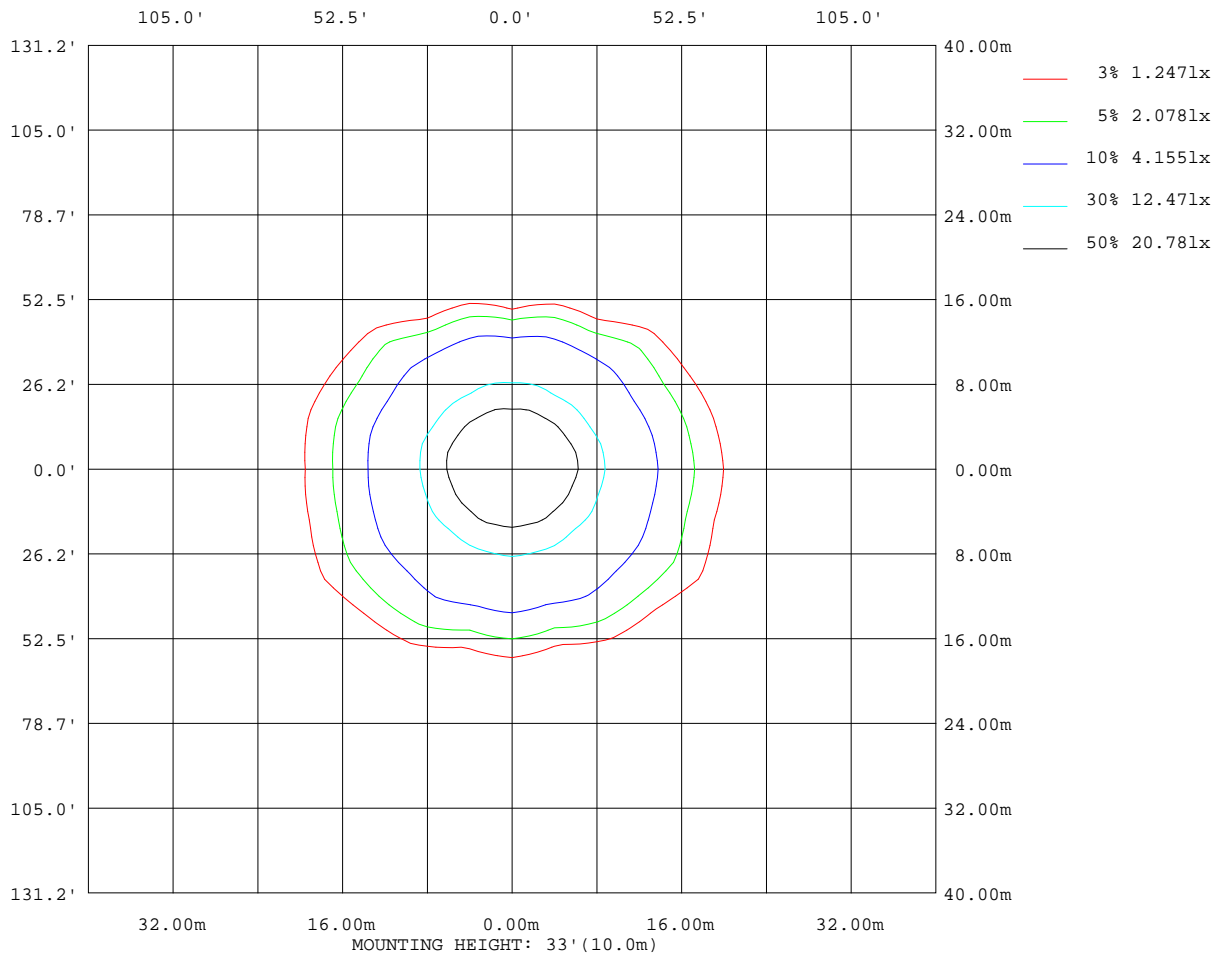


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 Test Speed: HIGH
 Temperature:25.3DEG
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V(B) Range:-180 - 180DEG
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 Humidity:65.0%
 Test Distance:5.200m [K=1.0000]
 Remarks: FL330-120W, 90LM/W LED

ISOLUX DIAGRAM

Test:U:219.4V I:0.5940A P:126.7W PF:0.9670 Lamp Flux:10000x1 lm		
NAME: 120W	TYPE:FL330	WEIGHT:
DIMENSION:	SPECIFICATION:	SERIAL No.:
MANUFACTURER: Feelight Tech Co., Limited	SURFACE:	PROTECTION ANGLE:



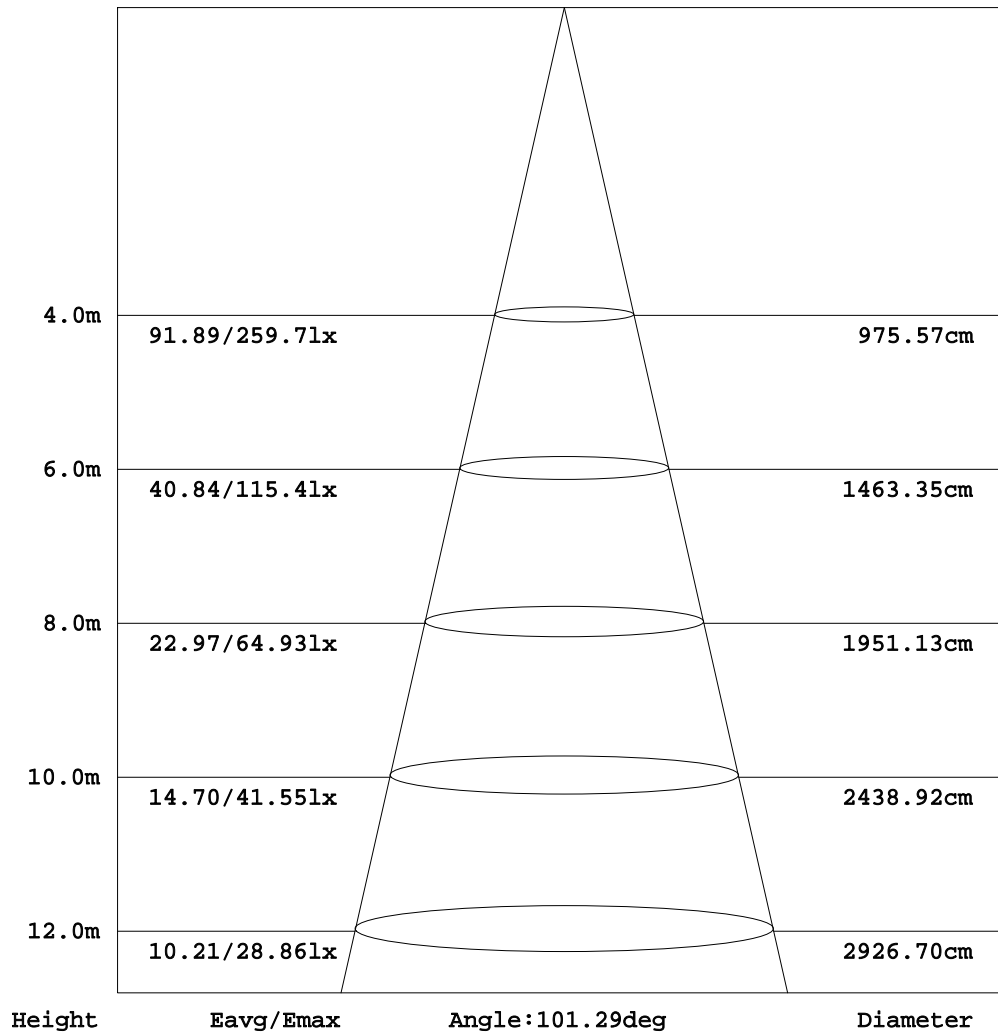
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XH
Test Date:2012-03-07

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks: FL330-120W, 90LM/W LED

AAI Figure

Test:U:219.4V I:0.5940A P:126.7W PF:0.9670 Lamp Flux:10000x1 lm		
NAME: 120W	TYPE:FL330	WEIGHT:
DIMENSION:	SPECIFICATION:	SERIAL No.:
MANUFACTURER: Feelight Tech Co., Limited	SURFACE:	PROTECTION ANGLE:

Flux out:7044 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: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XH
Test Date:2012-03-07

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks: FL330-120W, 90LM/W LED

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.5940A P:126.7W PF:0.9670 Lamp Flux:10000x1 lm		
NAME: 120W	TYPE:FL330	WEIGHT:
DIMENSION:	SPECIFICATION:	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
-180	9.14	9.17	9.19	9.23	9.25	9.20	9.11	8.99	8.81	8.59	8.36	8.17	8.04	7.96	7.93	7.85	7.73	7.44	7.17
-170	9.14	8.82	8.51	8.23	7.94	7.61	7.26	6.92	6.53	6.13	5.74	5.38	5.38	5.62	5.87	6.19	6.64	6.80	6.90
-160	9.14	8.48	7.84	7.25	6.66	6.05	5.44	4.87	4.58	4.72	4.84	4.96	5.09	5.32	5.63	5.88	6.11	6.35	6.30
-150	9.14	8.16	7.20	6.30	5.43	4.55	4.06	4.22	4.39	4.52	4.64	4.79	4.94	5.08	5.24	5.40	5.62	5.71	5.67
-140	9.14	7.86	6.63	5.43	4.29	3.76	3.89	4.01	4.12	4.28	4.45	4.59	4.71	4.79	4.89	5.06	5.24	5.27	5.28
-130	9.14	7.61	6.12	4.66	3.47	3.59	3.69	3.79	3.91	4.05	4.19	4.32	4.39	4.47	4.58	4.70	4.78	4.79	4.78
-120	9.14	7.40	5.69	4.02	3.33	3.40	3.47	3.55	3.68	3.80	3.91	3.97	4.02	4.09	4.19	4.27	4.31	4.30	4.29
-110	9.14	7.24	5.36	3.51	3.20	3.22	3.25	3.32	3.40	3.49	3.56	3.59	3.61	3.68	3.76	3.83	3.84	3.83	3.82
-100	9.14	7.13	5.14	3.15	3.08	3.06	3.06	3.10	3.15	3.20	3.21	3.22	3.23	3.28	3.34	3.40	3.40	3.39	3.37
-90	9.14	7.11	5.08	3.04	3.10	3.15	3.20	3.16	3.13	3.09	3.51	3.93	4.35	4.02	3.70	3.37	3.79	4.22	4.64
-80	9.14	7.17	5.17	3.23	3.98	5.26	6.78	7.05	7.23	7.49	11.6	16.6	22.0	22.8	23.1	23.1	26.3	29.5	32.4
-70	9.14	7.29	5.58	4.50	6.43	9.24	12.3	15.2	19.8	26.7	32.3	50.4	63.3	67.7	76.6	71.9	74.9	82.0	88.3
-60	9.14	7.48	6.50	7.15	10.0	15.4	94.5	365	563	638	676	850	993	1081	1018	936	976	1074	1133
-50	9.14	7.77	7.97	10.4	14.0	93.4	523	1128	1303	1425	1628	1813	1980	2143	2139	2134	2199	2293	2345
-40	9.14	8.16	9.65	14.1	19.1	223	957	1422	1702	1930	2094	2214	2334	2460	2548	2585	2595	2650	2693
-30	9.14	8.60	11.4	17.9	39.7	565	1284	1604	1922	2219	2445	2575	2658	2733	2854	2958	2959	2981	3024
-20	9.14	9.05	13.1	21.4	89.0	860	1418	1745	2087	2405	2654	2856	3001	3083	3181	3348	3467	3424	3506
-10	9.14	9.45	14.5	24.4	143	1007	1508	1865	2225	2550	2806	3014	3201	3361	3560	3752	3820	3916	3954
0	9.14	9.81	15.5	26.6	121	1013	1531	1900	2274	2637	2961	3235	3421	3550	3722	3917	4048	4121	4155
10	9.14	9.80	15.3	26.0	147	1014	1524	1890	2263	2627	2965	3248	3427	3540	3681	3843	3983	3998	3981
20	9.14	9.74	14.6	24.3	104	878	1444	1792	2125	2418	2677	2890	3084	3276	3453	3571	3625	3698	3630
30	9.14	9.61	13.5	22.0	37.0	583	1278	1544	1798	2042	2261	2494	2700	2861	2940	3022	3157	3185	3121
40	9.14	9.46	12.3	18.9	27.0	168	715	1212	1425	1660	1908	2111	2250	2345	2420	2558	2671	2666	2629
50	9.14	9.32	11.0	15.5	21.4	27.1	94.6	404	884	1115	1391	1536	1514	1583	1770	1941	2011	1945	1833
60	9.14	9.24	9.99	12.4	15.6	18.8	22.1	27.7	46.4	172	342	374	274	205	315	400	413	339	221
70	9.14	9.20	9.39	10.2	11.1	12.1	13.3	15.8	19.9	25.9	33.0	39.8	46.4	54.0	62.6	71.3	70.1	65.9	60.6
80	9.14	9.16	9.17	9.23	9.24	9.24	9.06	9.15	9.45	9.91	9.98	9.81	9.64	10.7	12.3	13.9	12.8	11.3	9.46
90	9.14	9.09	9.04	8.99	8.94	8.89	8.85	8.78	8.71	8.65	8.62	8.59	8.56	8.51	8.45	8.40	8.40	8.41	8.41
100	9.14	9.10	9.06	9.03	8.99	8.96	8.93	8.89	8.84	8.80	8.79	8.79	8.79	8.76	8.73	8.70	8.71	8.73	8.74
110	9.14	9.11	9.08	9.06	9.03	9.01	9.00	8.99	8.97	8.96	8.97	9.00	9.01	9.01	8.99	8.97	8.98	8.99	8.99
120	9.14	9.12	9.10	9.08	9.07	9.07	9.08	9.08	9.08	9.08	9.09	9.09	9.07	9.05	9.02	9.00	8.99	8.99	8.99
130	9.14	9.13	9.11	9.11	9.11	9.12	9.13	9.12	9.11	9.09	9.07	9.03	8.98	8.92	8.89	8.89	8.89	8.90	8.91
140	9.14	9.13	9.13	9.13	9.15	9.16	9.15	9.12	9.06	9.01	8.95	8.87	8.78	8.68	8.62	8.62	8.63	8.60	8.57
150	9.14	9.14	9.14	9.16	9.18	9.18	9.15	9.09	9.01	8.88	8.71	8.58	8.48	8.41	8.36	8.33	8.33	8.29	8.24
160	9.14	9.15	9.16	9.19	9.21	9.19	9.13	9.05	8.95	8.76	8.55	8.35	8.22	8.17	8.14	8.16	8.17	8.13	8.06
170	9.14	9.16	9.18	9.21	9.23	9.19	9.12	9.01	8.86	8.65	8.43	8.24	8.10	8.00	7.96	7.93	7.93	7.90	7.79
180	9.14	9.17	9.19	9.23	9.25	9.20	9.11	8.99	8.81	8.59	8.36	8.17	8.04	7.96	7.93	7.85	7.73	7.44	7.10

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V(B) Range:-180 - 180DEG
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Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks: FL330-120W, 90LM/W LED

LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: 120W	TYPE:FL330	WEIGHT:
DIMENSION:	SPECIFICATION:	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
-180	7.02	6.85	6.58	6.22	5.89	5.58	5.31	5.09	4.89	4.74	4.59	4.40	4.21	4.02	3.77	3.55	3.33	3.20
-170	7.00	6.99	6.60	6.29	6.01	5.73	5.44	5.21	5.00	4.81	4.63	4.43	4.23	4.03	3.78	3.55	3.33	3.20
-160	6.42	6.28	6.21	6.08	5.81	5.57	5.38	5.18	4.99	4.80	4.62	4.43	4.22	4.01	3.77	3.54	3.33	3.20
-150	5.75	5.74	5.67	5.63	5.58	5.44	5.25	5.04	4.86	4.68	4.50	4.35	4.17	3.97	3.73	3.52	3.32	3.20
-140	5.33	5.37	5.30	5.21	5.18	5.11	5.00	4.82	4.63	4.48	4.34	4.21	4.07	3.89	3.68	3.49	3.31	3.20
-130	4.83	4.85	4.81	4.74	4.68	4.66	4.62	4.54	4.40	4.27	4.14	4.03	3.91	3.78	3.60	3.44	3.28	3.20
-120	4.33	4.37	4.37	4.34	4.29	4.27	4.26	4.23	4.14	4.03	3.90	3.81	3.72	3.63	3.52	3.39	3.25	3.20
-110	3.86	3.90	3.92	3.89	3.86	3.84	3.86	3.86	3.82	3.74	3.65	3.58	3.54	3.48	3.43	3.32	3.22	3.20
-100	3.41	3.45	3.47	3.46	3.44	3.42	3.46	3.49	3.50	3.46	3.43	3.38	3.36	3.35	3.33	3.26	3.20	3.20
-90	4.20	3.77	3.33	3.66	4.00	4.33	4.00	3.66	3.33	3.35	3.37	3.40	3.35	3.30	3.25	3.23	3.22	3.20
-80	29.7	26.8	23.7	23.9	23.9	23.2	17.6	12.3	7.76	7.08	6.57	6.11	4.87	3.92	3.32	3.26	3.22	3.20
-70	81.9	74.6	68.6	67.4	65.5	59.8	46.7	34.3	27.1	20.9	16.4	12.4	8.69	6.04	4.16	3.57	3.26	3.20
-60	1041	912	836	886	915	833	669	488	453	417	280	68.6	14.7	9.02	6.09	4.36	3.40	3.20
-50	2271	2136	2078	2104	2073	1887	1676	1473	1320	1245	1001	437	72.4	12.3	8.40	5.63	3.61	3.20
-40	2650	2595	2583	2548	2449	2322	2194	2068	1902	1694	1400	928	205	16.7	11.0	6.84	3.88	3.20
-30	2968	2943	2949	2845	2717	2649	2557	2419	2189	1904	1593	1258	609	34.4	13.7	8.09	4.20	3.20
-20	3401	3445	3332	3178	3081	3006	2858	2639	2380	2069	1746	1430	986	151	16.1	9.19	4.50	3.20
-10	3908	3804	3736	3549	3358	3209	3027	2809	2560	2245	1901	1564	1196	301	18.2	9.98	4.70	3.20
0	4121	4045	3921	3743	3568	3454	3283	3009	2721	2347	1975	1624	1271	357	19.3	10.4	4.79	3.20
10	3944	3910	3760	3599	3469	3379	3200	2908	2587	2240	1894	1557	1176	273	19.3	10.7	5.02	3.20
20	3661	3562	3488	3375	3202	3013	2815	2587	2325	2029	1739	1417	919	113	18.3	10.6	5.14	3.20
30	3161	3112	2951	2867	2783	2630	2414	2169	1947	1719	1469	1202	509	28.6	17.0	10.1	5.15	3.20
40	2645	2630	2503	2350	2274	2178	2028	1819	1581	1346	1134	591	58.3	22.5	15.1	9.35	5.10	3.20
50	1923	1968	1888	1721	1530	1454	1455	1323	1056	747	285	42.8	22.9	18.3	13.1	8.52	5.07	3.20
60	333	402	387	306	202	268	374	330	133	37.2	23.3	18.8	16.2	13.9	11.1	7.63	5.05	3.20
70	65.7	69.8	71.0	62.5	53.6	45.0	37.0	29.4	23.1	17.8	14.1	12.0	11.2	10.6	9.48	7.15	5.05	3.20
80	11.2	12.6	13.5	11.6	10.0	9.15	9.59	9.79	9.62	9.20	8.97	8.93	9.04	9.03	8.95	7.02	5.08	3.20
90	8.39	8.38	8.37	8.42	8.48	8.53	8.57	8.60	8.64	8.69	8.73	8.78	8.81	8.84	8.87	6.98	5.09	3.20
100	8.72	8.70	8.69	8.72	8.75	8.78	8.79	8.79	8.80	8.82	8.84	8.86	8.87	8.89	8.82	6.93	5.04	3.20
110	8.98	8.97	8.96	8.98	9.00	9.00	8.99	8.97	8.96	8.96	8.96	8.96	8.94	8.94	8.61	6.81	4.98	3.20
120	8.99	8.99	9.00	9.02	9.04	9.07	9.08	9.09	9.08	9.07	9.06	9.03	9.00	8.98	8.25	6.57	4.86	3.20
130	8.90	8.90	8.90	8.92	8.95	8.99	9.04	9.08	9.09	9.09	9.09	9.08	9.05	9.02	7.75	6.24	4.70	3.20
140	8.62	8.67	8.72	8.77	8.85	8.90	8.95	8.98	9.02	9.05	9.09	9.10	9.09	8.41	7.12	5.82	4.50	3.20
150	8.28	8.34	8.40	8.51	8.64	8.72	8.79	8.85	8.91	8.98	9.05	9.09	8.47	7.45	6.40	5.33	4.25	3.20
160	8.06	8.11	8.20	8.30	8.36	8.44	8.54	8.66	8.76	8.89	8.54	7.86	7.14	6.39	5.58	4.78	3.96	3.20
170	7.80	7.91	7.96	8.02	8.08	8.17	8.09	7.74	7.36	6.99	6.60	6.17	5.71	5.23	4.70	4.18	3.65	3.20
180	7.02	6.85	6.58	6.22	5.89	5.58	5.31	5.09	4.89	4.74	4.59	4.40	4.21	4.02	3.77	3.55	3.33	3.20

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XH
Test Date:2012-03-07

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks: FL330-120W, 90LM/W LED

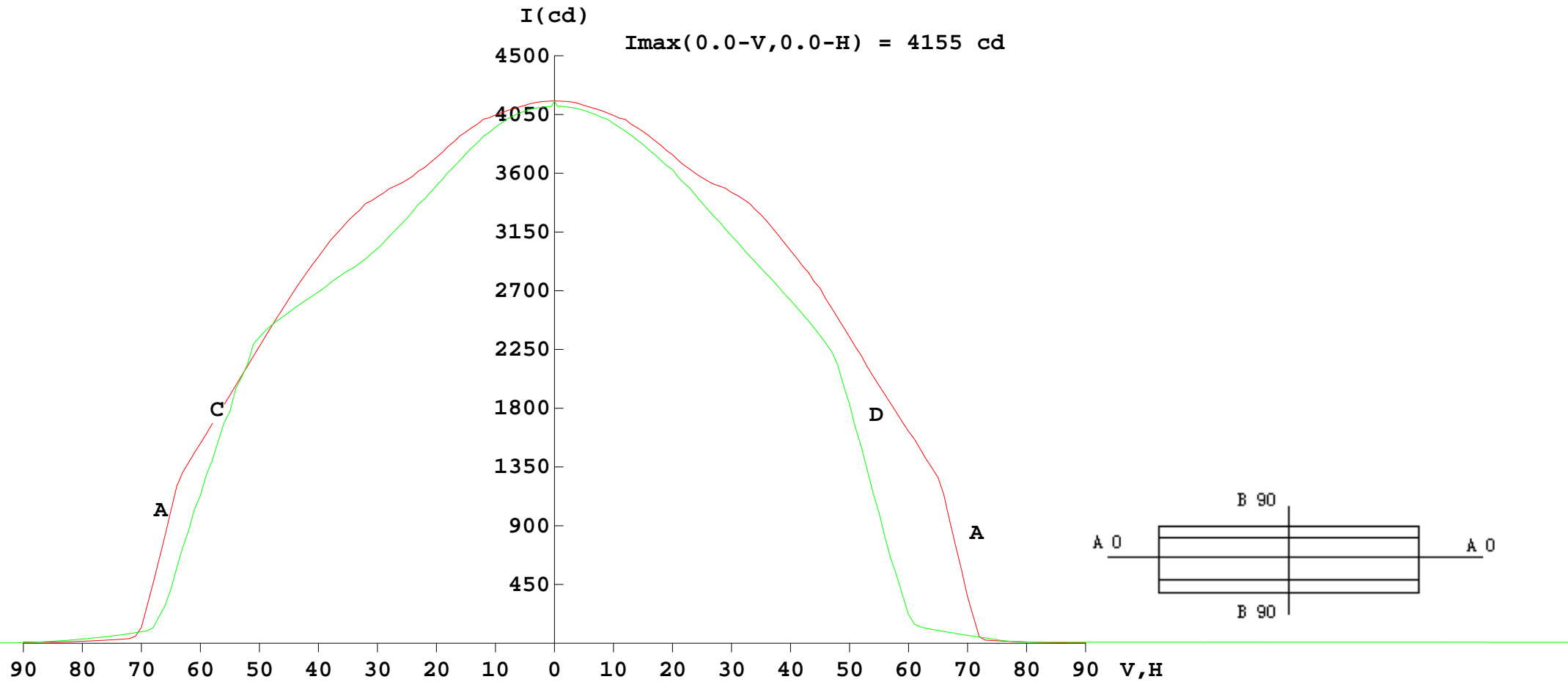
50% Beam Angle : 107°-H X 101°-V

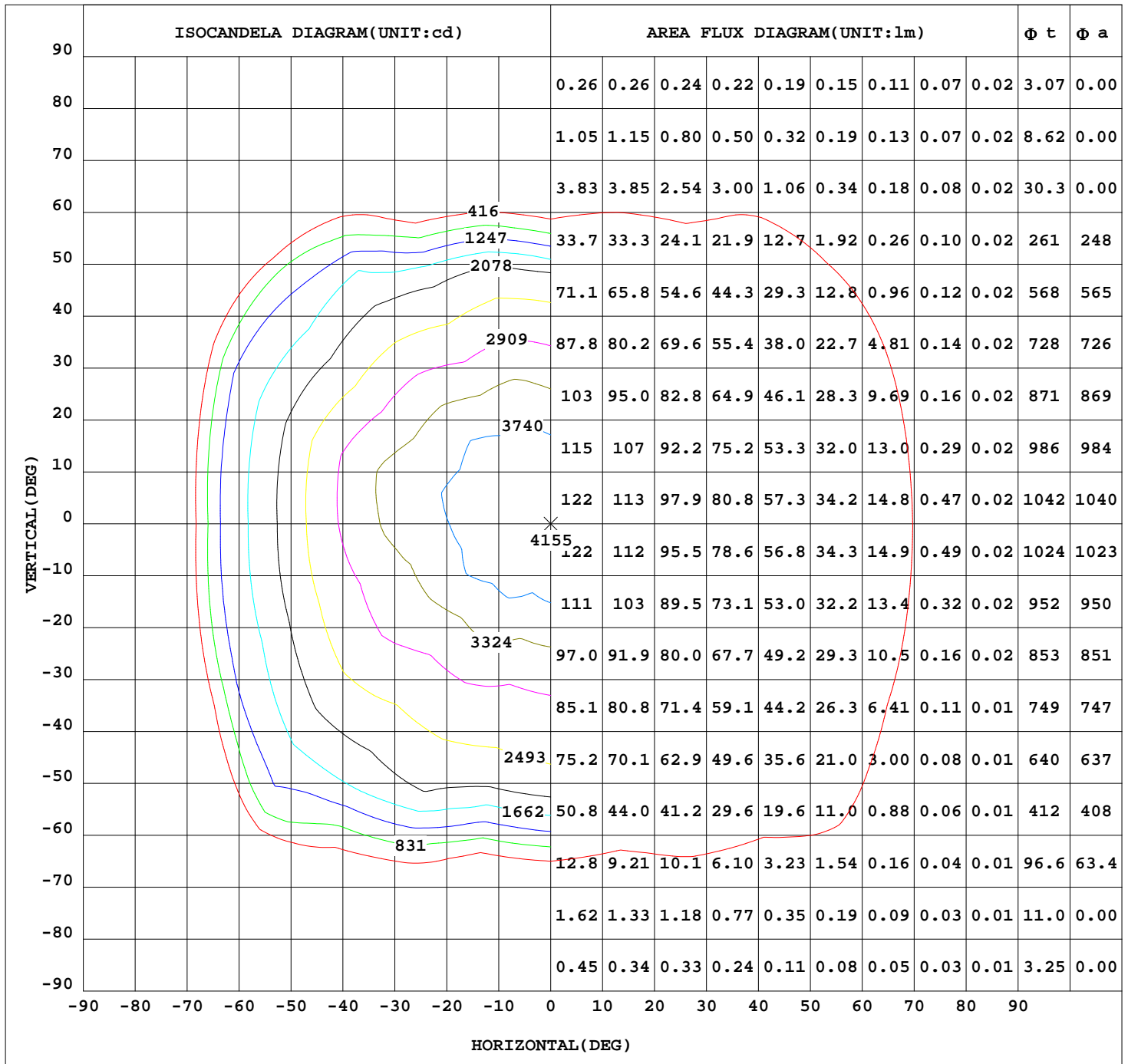
TOTAL FLUX : 9281 lm

EFFICIENCY : 92.8%

AVAILABILITY FLUX : 9111 lm

AVAILABILITY : 91.1%





Φ t	0.45	2.61	88.9	297	515	728	895	1030	1102	1094	1013	877	711	500	288	93.2	2.81	0.26	9239	---
Φ a	0	0	78.5	291	509	720	885	1019	1091	1083	1002	868	703	493	282	84.9	0	0	---	9111