

Luminaire Photograph

LED Flood light COB 120W



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:CHEN
Test Date:

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:10.300m [K=0.9612]
Remarks:

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

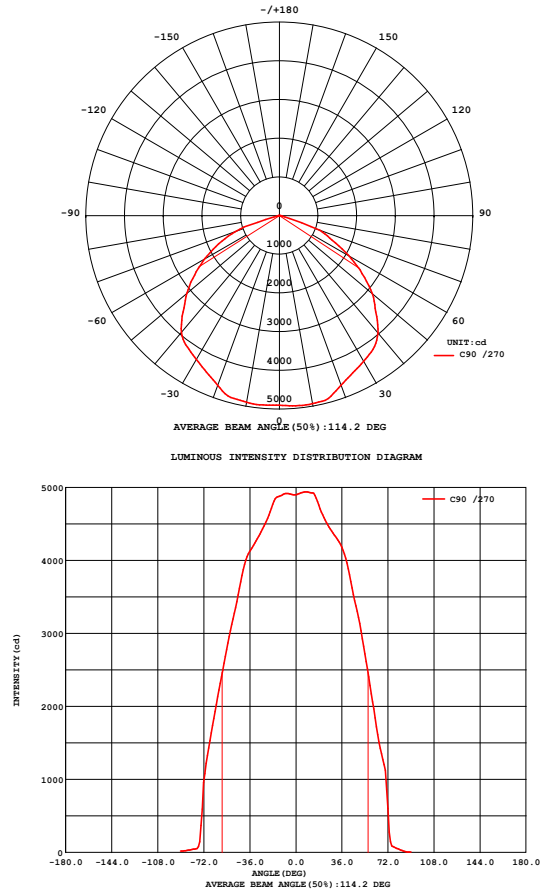
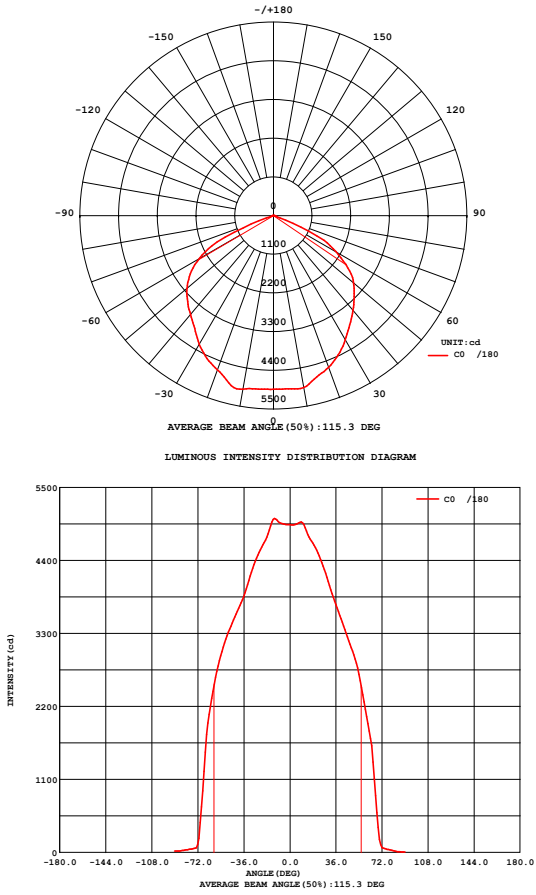


Fig. C0/C180

Fig. C90/C270

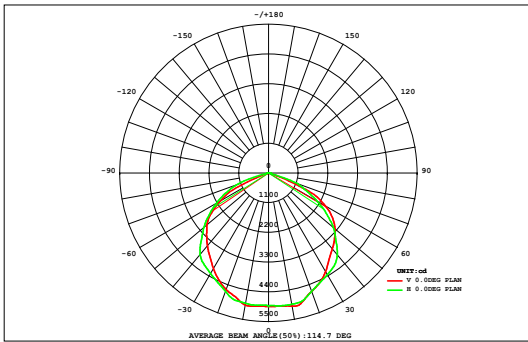
H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:CHEN
Test Date:

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:10.300m [K=0.9612]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: LED Flood light	TYPE: COB	WEIGHT: 7.4KG
DIMENSION: 425*325*200mm	SPECIFICATION: 120W	SERIAL No.: A013
MANUFACTURER:	SURFACE:	PROTECTION ANGLE:



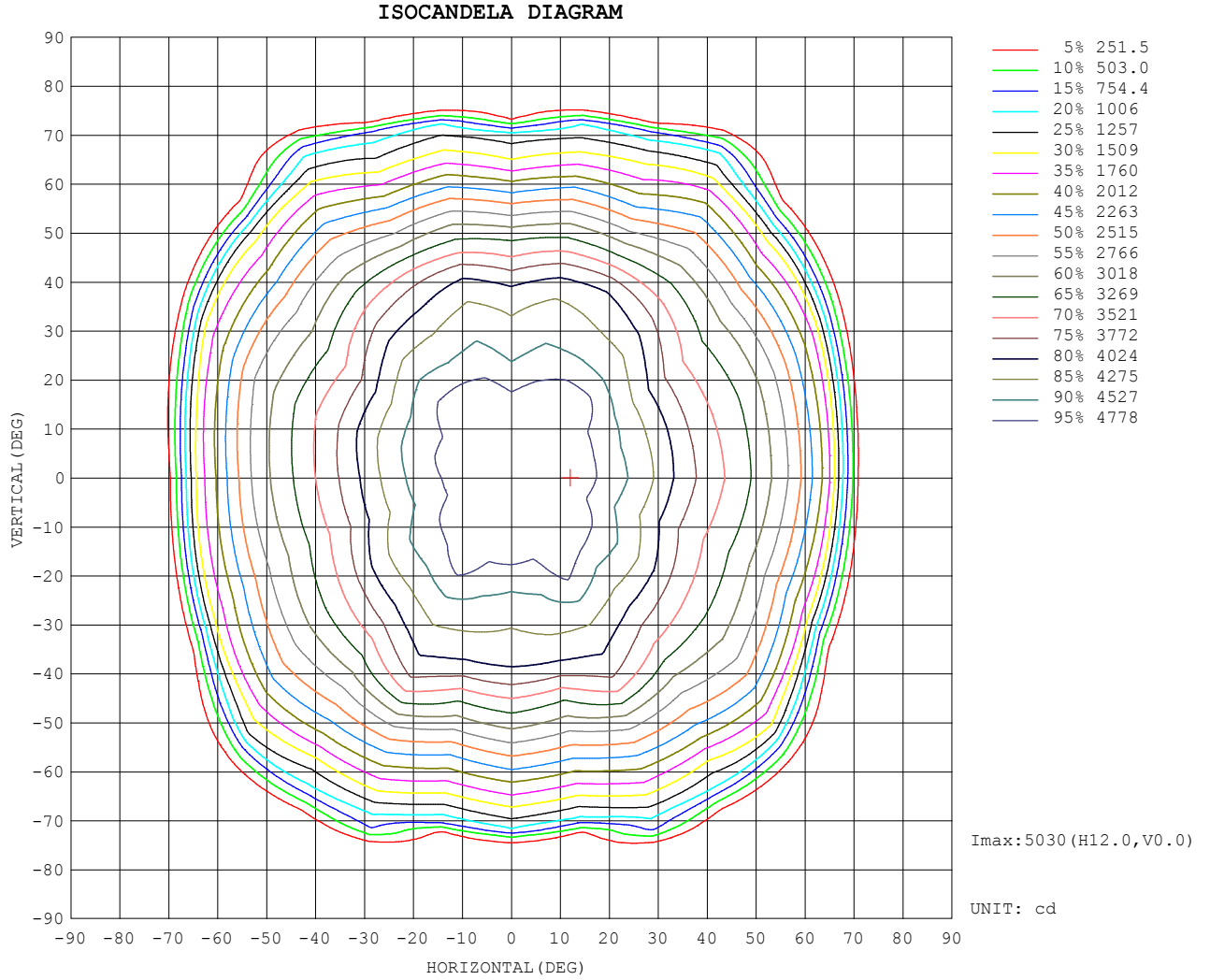
DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	SPL-FL01-120W	Imax (cd)	5030
NOMINAL POWER (W)	122.4	AVAILABILITY (%)	86.9
RATED VOLTAGE (V)	221.3	Avai. FLUX (lm)	13374
NOMINAL FLUX (lm)	15384	EFFICIENCY (%)	87.8
LAMPS INSIDE	1	TOTAL FLUX (lm)	13508
TEST VOLTAGE (V)	219.8	θ @50% (H,V)	115,112DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT: lm		Φ t	Φ a	
	0.02	0.07	0.11	0.21	0.40	0.46	0.56	0.73	0.68	0.69	0.76	0.54	0.40	0.34	0.19	0.11	0.07			0.04
90	0.02	0.07	0.11	0.21	0.40	0.46	0.56	0.73	0.68	0.69	0.76	0.54	0.40	0.34	0.19	0.11	0.07	0.04	6.37	0.00
80	0.02	0.11	0.27	0.63	1.86	4.03	7.78	12.8	11.0	10.9	12.8	7.62	3.79	1.59	0.50	0.23	0.11	0.04	76.1	48.5
70	0.03	0.18	0.53	2.54	16.7	30.0	38.2	48.5	49.1	48.8	48.2	40.5	32.2	17.6	2.38	0.44	0.17	0.05	376	367
60	0.03	0.26	0.93	10.3	34.8	52.0	63.6	77.0	80.7	80.7	77.1	64.6	54.3	36.0	10.1	0.75	0.24	0.05	643	637
50	0.04	0.33	3.93	25.4	48.0	68.9	86.1	103	109	109	104	88.4	71.7	50.0	25.4	3.52	0.30	0.06	897	893
40	0.04	0.39	10.4	35.3	57.5	79.9	103	121	129	129	124	106	82.8	60.1	37.0	9.93	0.37	0.07	1086	1083
30	0.05	0.50	15.0	41.9	64.5	86.2	112	131	139	138	132	114	88.3	67.3	44.2	15.9	0.49	0.07	1190	1187
	0.05	0.64	17.0	45.0	69.2	92.4	118	139	149	148	141	118	93.5	71.8	48.3	19.6	0.70	0.08	1272	1269
	0.05	0.62	17.3	45.4	70.3	95.2	121	141	150	150	143	122	97.3	73.9	50.0	21.3	0.85	0.08	1298	1296
	0.05	0.54	16.6	44.4	69.1	93.3	119	139	149	150	142	121	96.0	73.2	49.3	20.5	0.79	0.08	1284	1281
	0.05	0.48	14.8	42.0	66.2	90.5	117	138	147	147	139	119	92.6	70.0	45.9	17.1	0.59	0.08	1247	1245
	0.05	0.42	11.1	38.3	63.0	86.1	110	130	136	136	131	111	88.2	66.5	41.1	11.6	0.45	0.08	1162	1159
-30	0.04	0.38	6.26	33.5	57.5	77.9	102	120	125	126	120	103	80.3	61.1	35.5	5.89	0.39	0.07	1054	1050
-40	0.04	0.33	3.12	25.3	47.6	65.8	87.3	98.9	105	105	98.9	88.3	67.8	50.6	26.6	2.88	0.33	0.07	873	868
-50	0.04	0.27	1.12	13.2	31.9	48.7	64.4	71.2	78.5	79.1	72.7	66.0	50.5	33.6	13.0	1.00	0.27	0.06	625	619
-60	0.04	0.21	0.59	2.02	11.0	26.6	38.5	42.5	49.5	50.1	44.0	40.6	28.1	11.0	1.82	0.55	0.21	0.06	347	336
-70	0.03	0.16	0.40	0.68	0.96	3.95	7.77	6.28	10.1	10.1	6.50	8.44	4.26	0.98	0.67	0.39	0.17	0.05	61.9	34.2
-80	0.03	0.15	0.27	0.39	0.49	0.63	0.72	0.75	0.84	0.85	0.75	0.74	0.64	0.49	0.39	0.27	0.16	0.05	8.62	0.00
-90	0.03	0.15	0.27	0.39	0.49	0.63	0.72	0.75	0.84	0.85	0.75	0.74	0.64	0.49	0.39	0.27	0.16	0.05	8.62	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.69	6.03	120	406	711	1003	1297	1520	1618	1620	1537	1320	1033	746	432	132	6.67	1.16	13508	---
Φ a	0.00	0.00	105	397	703	995	1290	1513	1611	1612	1530	1313	1025	739	423	119	0.00	0.00	---	13374

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:CHEN
Test Date:

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:10.300m [K=0.9612]
Remarks:

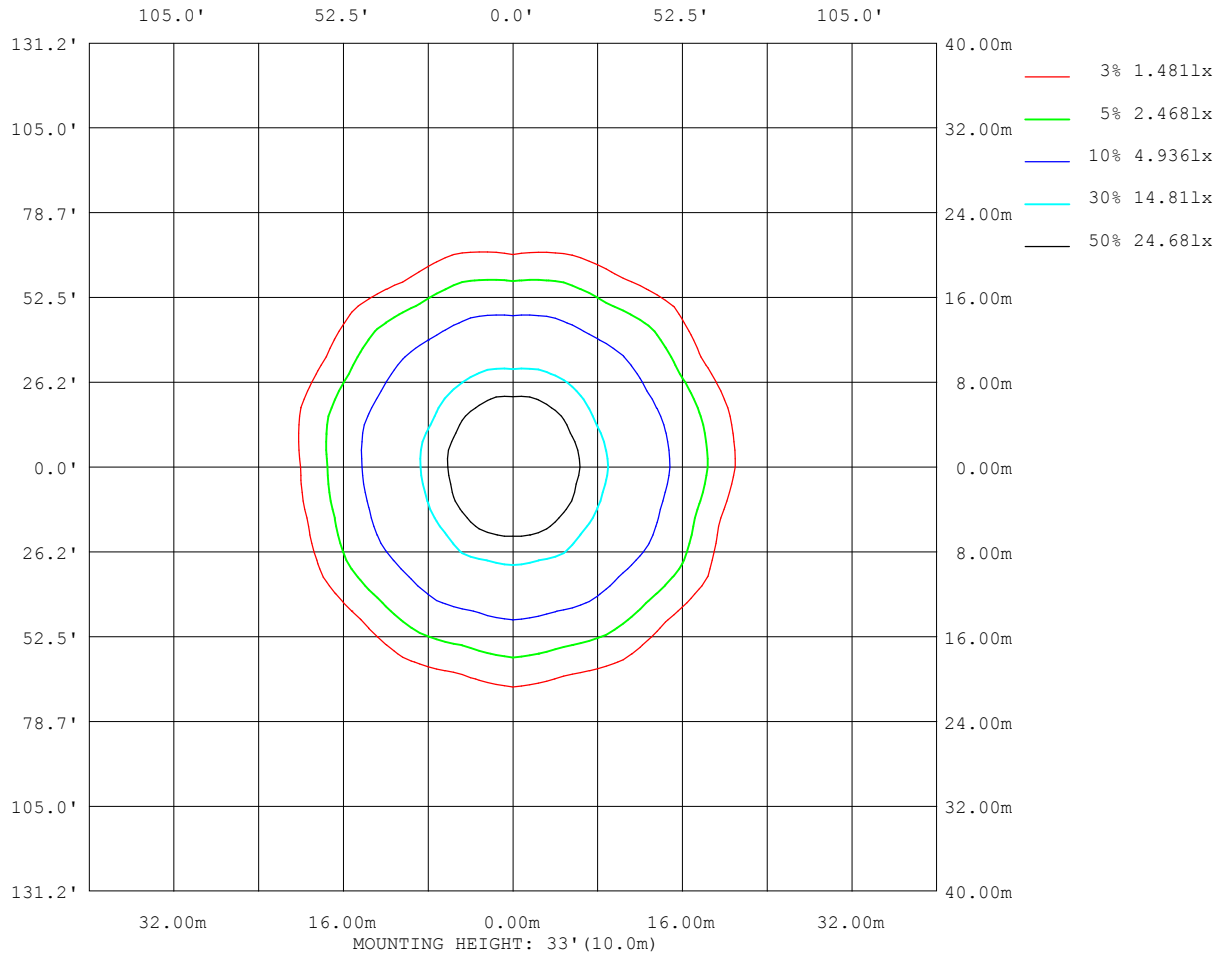
ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:CHEN
Test Date:

V(B) Range:-90 - 90DEG
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Test System:EVERFINE GO-2000B SYSTEM V1.0.250
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Remarks:

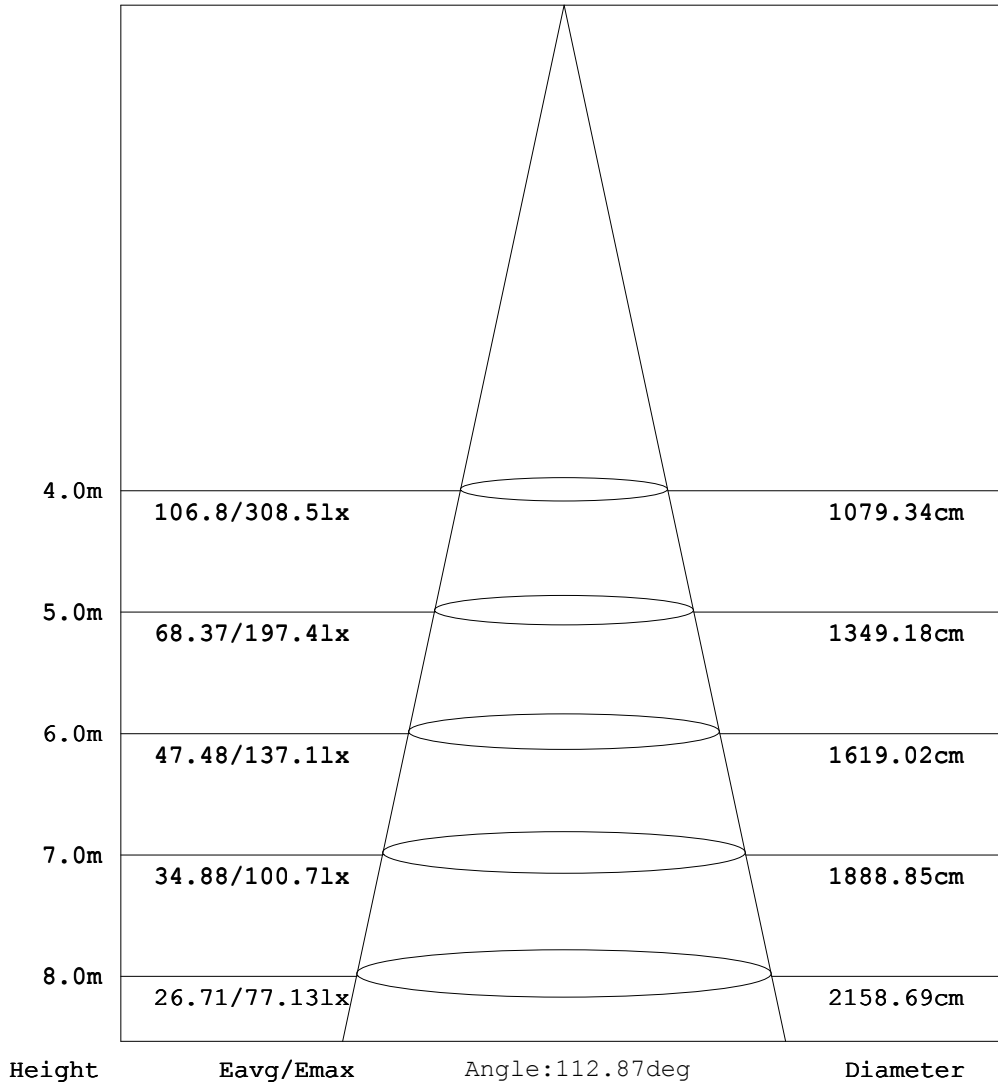
ISOLUX DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:CHEN
 Test Date:

V(B) Range:-90 - 90DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000B SYSTEM V1.0.250
 Humidity:65%
 Test Distance:10.300m [K=0.9612]
 Remarks:

AAI Figure



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: 30DEG
 Operators: CHEN
 Test Date:

V(B) Range: -90 - 90DEG
 V(B) Interval: 0.5DEG
 Test System: EVERFINE GO-2000B SYSTEM V1.0.250
 Humidity: 65%
 Test Distance: 10.300m [K=0.9612]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

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	7.79	11.7	15.7	19.6	19.7	19.7	19.8	19.8	19.7	19.7	19.8	19.9	19.9	19.8	19.7	19.6	19.7	19.8	19.8
-85	7.79	11.7	15.7	19.6	19.9	20.4	21.2	21.2	21.1	20.8	22.3	24.1	26.0	25.1	23.9	22.5	24.4	26.4	28.3
-80	7.79	11.7	15.7	19.7	21.2	23.9	27.6	28.8	29.3	29.4	31.9	34.7	37.5	37.7	37.5	37.2	39.7	42.1	44.2
-75	7.79	11.7	15.7	20.3	23.9	30.2	36.6	39.1	40.1	40.2	44.4	60.4	108	173	154	69.4	81.7	115	148
-70	7.79	11.6	16.1	21.6	29.2	37.5	45.7	49.8	51.3	53.8	222	552	829	841	832	837	964	1103	1219
-65	7.79	11.5	16.7	25.1	35.1	44.9	54.6	61.9	167	475	820	1099	1298	1416	1442	1439	1533	1646	1737
-60	7.79	11.5	17.3	28.7	40.8	52.4	71.2	257	694	1078	1262	1535	1765	1913	1937	1948	2024	2136	2225
-55	7.79	11.5	19.2	32.7	46.6	60.0	192	750	1261	1484	1708	1967	2183	2364	2407	2415	2474	2594	2683
-50	7.79	11.6	21.0	36.3	52.1	84.6	428	1217	1608	1885	2118	2333	2563	2789	2884	2902	2931	3041	3120
-45	7.79	11.8	22.7	39.8	57.4	138	728	1471	1944	2229	2441	2623	2887	3186	3385	3372	3340	3454	3526
-40	7.79	12.0	24.7	43.1	61.6	175	997	1749	2195	2492	2697	2896	3166	3511	3824	3814	3810	3896	3942
-35	7.79	12.0	26.5	45.9	65.8	259	1290	1934	2368	2696	2909	3130	3348	3699	3993	4098	4130	4152	4148
-30	7.79	12.0	28.0	48.3	69.9	503	1561	2077	2501	2822	3080	3313	3559	3839	4111	4285	4323	4328	4297
-25	7.79	12.0	29.1	50.3	76.1	755	1706	2187	2616	2932	3195	3455	3727	3999	4240	4443	4517	4495	4464
-20	7.79	11.9	30.0	51.9	106	979	1827	2297	2708	3007	3279	3554	3878	4162	4375	4592	4766	4665	4665
-15	7.79	11.7	30.5	53.0	141	1153	1921	2405	2804	3061	3333	3623	3954	4282	4509	4685	4901	4868	4862
-10	7.79	11.5	30.7	53.7	173	1276	1988	2493	2884	3143	3403	3655	3964	4287	4552	4754	4924	4911	4900
-5	7.79	11.2	30.6	53.9	191	1345	2030	2553	2941	3206	3476	3738	4032	4303	4522	4713	4924	4915	4909
0	7.79	10.9	30.2	53.4	195	1361	2047	2585	2977	3245	3521	3786	4082	4364	4590	4749	4965	4945	4936
5	7.79	11.1	30.6	54.0	245	1397	2079	2614	2989	3263	3540	3813	4123	4403	4622	4798	4964	4925	4929
10	7.79	11.2	30.6	54.0	274	1396	2083	2617	2983	3257	3531	3792	4105	4367	4583	4755	4976	4957	4933
15	7.79	11.3	30.3	53.3	274	1370	2059	2593	2959	3226	3473	3703	3978	4258	4539	4782	4939	4956	4889
20	7.79	11.3	29.7	52.1	242	1298	2004	2537	2900	3122	3351	3564	3820	4180	4465	4625	4741	4791	4662
25	7.79	11.2	28.7	50.6	172	1168	1927	2412	2779	2997	3203	3434	3759	4090	4318	4432	4553	4593	4483
30	7.79	11.0	27.3	48.6	120	973	1806	2227	2610	2854	3056	3342	3659	3957	4145	4286	4418	4435	4350
35	7.79	10.7	25.6	46.2	77.5	732	1629	2014	2389	2674	2934	3202	3494	3753	3958	4130	4279	4280	4217
40	7.79	10.4	23.6	43.2	63.2	419	1298	1788	2131	2478	2772	3022	3248	3485	3719	3906	4068	4033	3964
45	7.79	9.91	21.5	39.5	58.0	160	826	1527	1858	2236	2546	2791	2948	3118	3316	3493	3620	3601	3529
50	7.79	9.37	19.4	35.3	52.6	70.8	369	1047	1597	1963	2279	2480	2605	2730	2910	3076	3171	3166	3134
55	7.79	8.90	17.1	31.0	46.2	61.1	105	444	1173	1647	1966	2099	2191	2291	2484	2645	2711	2676	2612
60	7.79	8.63	14.6	26.5	38.4	51.6	66.5	167	662	1210	1569	1658	1717	1812	2000	2153	2187	2139	2064
65	7.79	8.32	12.8	22.2	30.8	40.4	52.8	104	356	805	1122	1223	1271	1363	1518	1655	1657	1593	1510
70	7.79	8.14	10.8	17.3	23.7	29.8	37.4	51.8	95.2	274	479	648	830	964	1114	1240	1216	1177	1125
75	7.79	8.01	9.30	13.2	16.4	20.3	24.4	34.5	46.3	58.3	66.3	74.5	69.4	95.2	143	253	252	185	90.7
80	7.79	7.90	8.41	9.88	11.0	12.0	13.1	20.3	28.6	37.4	38.4	38.1	37.4	42.5	48.0	53.3	52.5	50.8	48.6
85	7.79	7.85	7.97	8.31	8.38	8.32	8.11	10.4	14.0	18.4	17.2	15.4	13.7	17.3	20.9	24.4	21.3	17.8	14.1
90	7.79	7.80	7.81	7.82	7.77	7.72	7.67	7.77	7.87	7.97	7.95	7.94	7.92	7.94	7.96	7.98	7.96	7.93	7.91

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:CHEN
Test Date:

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:10.300m [K=0.9612]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

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	19.8	19.7	19.6	19.7	19.7	19.8	19.8	19.8	19.8	19.9	19.9	19.9	19.9	19.9	19.9	20.0	20.1	20.1	
-85	26.6	24.9	23.1	24.5	25.8	26.8	24.6	22.6	20.9	21.3	21.5	21.7	20.8	20.3	20.0	20.0	20.1	20.1	
-80	41.9	39.3	36.8	37.8	38.4	38.6	35.9	32.8	29.8	29.3	28.6	27.2	24.3	21.6	20.2	20.4	20.2	20.1	
-75	114	79.2	67.5	169	194	119	66.0	46.3	41.1	40.0	38.3	35.2	29.5	23.9	21.3	20.7	20.4	20.1	
-70	1125	993	845	863	911	885	579	224	53.5	51.0	48.0	43.6	35.8	28.5	22.6	21.5	20.7	20.1	
-65	1664	1570	1497	1507	1495	1390	1182	848	448	146	59.0	51.8	42.4	33.2	26.3	22.7	21.0	20.1	
-60	2158	2066	2000	1996	1974	1834	1602	1342	1121	676	223	60.3	49.2	38.1	29.4	23.9	21.2	20.1	
-55	2617	2523	2477	2468	2421	2253	2041	1775	1576	1305	714	167	55.7	43.3	33.3	26.3	21.4	20.1	
-50	3046	2944	2925	2916	2835	2627	2410	2216	2004	1736	1238	399	74.6	48.3	37.1	28.4	21.9	20.1	
-45	3447	3325	3367	3394	3217	2945	2697	2555	2372	2102	1556	684	126	52.9	40.8	30.3	22.5	20.1	
-40	3900	3812	3806	3821	3547	3227	2985	2826	2658	2364	1852	984	153	58.0	44.5	32.2	23.1	20.1	
-35	4167	4149	4094	3989	3735	3432	3221	3040	2880	2546	2059	1266	214	62.9	47.6	34.2	23.7	20.1	
-30	4337	4338	4288	4116	3865	3624	3406	3205	2996	2689	2228	1555	485	71.1	50.5	36.1	24.3	20.1	
-25	4490	4544	4479	4260	4029	3778	3535	3319	3095	2805	2354	1798	792	94.1	52.9	37.8	24.9	20.1	
-20	4647	4796	4623	4389	4205	3933	3634	3407	3187	2895	2498	1989	1086	141	55.0	39.1	25.4	20.1	
-15	4853	4926	4727	4539	4341	4015	3703	3466	3250	2997	2644	2151	1338	222	57.0	40.3	25.8	20.1	
-10	4914	4994	4856	4597	4353	4036	3740	3538	3332	3093	2753	2275	1536	319	58.5	41.2	26.1	20.1	
-5	4934	4987	4816	4581	4391	4134	3840	3617	3402	3163	2834	2367	1682	398	59.5	41.9	26.4	20.1	
0	4949	5004	4918	4666	4477	4221	3911	3674	3453	3212	2888	2429	1774	449	60.1	42.3	26.6	20.1	
5	4923	4984	4876	4628	4436	4197	3892	3647	3434	3199	2876	2413	1757	447	59.0	41.6	26.2	20.1	
10	4949	4975	4827	4600	4383	4131	3833	3597	3397	3166	2840	2370	1696	409	57.4	40.7	25.7	20.1	
15	4940	4953	4876	4564	4277	4009	3740	3527	3342	3112	2779	2299	1601	339	55.4	39.5	25.2	20.1	
20	4763	4783	4667	4471	4207	3867	3622	3432	3254	3029	2687	2199	1434	256	52.9	38.1	24.5	20.1	
25	4571	4571	4480	4358	4150	3827	3513	3314	3138	2895	2545	2068	1212	163	50.4	36.4	23.8	20.1	
30	4433	4437	4340	4228	4050	3757	3445	3187	2989	2721	2351	1895	948	105	47.6	34.4	23.0	20.1	
35	4293	4316	4228	4110	3887	3602	3319	3072	2788	2502	2125	1656	650	65.9	44.8	32.2	22.1	20.1	
40	4041	4083	3998	3866	3590	3351	3144	2891	2587	2231	1847	1242	362	52.6	41.5	29.9	21.2	20.1	
45	3613	3649	3548	3384	3199	3047	2908	2659	2338	1922	1528	771	133	47.3	37.5	27.6	20.3	20.1	
50	3177	3189	3108	2952	2780	2672	2573	2381	2046	1618	998	345	54.8	42.7	33.4	25.1	19.4	20.1	
55	2673	2701	2637	2486	2307	2249	2189	2069	1709	1166	445	86.7	47.8	38.0	29.2	22.6	18.6	20.1	
60	2136	2180	2146	2016	1876	1824	1772	1659	1259	701	154	50.6	41.3	32.0	24.6	20.2	18.1	20.1	
65	1586	1639	1641	1566	1481	1401	1315	1210	866	358	89.7	41.4	33.5	26.0	20.3	17.7	17.6	20.1	
70	1160	1184	1208	1118	982	843	657	486	267	80.4	40.5	31.2	25.1	20.0	16.5	15.5	17.1	20.1	
75	189	259	264	144	88.4	59.7	61.1	49.9	42.9	35.6	27.9	20.6	17.4	14.8	12.7	13.9	16.6	20.1	
80	52.8	56.3	58.7	49.5	40.5	32.5	31.4	30.6	29.5	23.4	17.4	12.1	11.4	10.5	9.80	12.9	16.3	20.1	
85	18.0	21.7	25.0	20.9	16.9	13.2	14.1	15.0	15.7	12.6	9.94	8.14	8.29	8.34	8.35	12.2	16.2	20.1	
90	7.95	8.00	8.04	8.01	7.98	7.95	7.98	8.01	8.04	7.96	7.87	7.79	7.83	7.87	7.91	12.0	16.1	20.1	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:30DEG
Operators:CHEN
Test Date:

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:10.300m [K=0.9612]
Remarks: