

Luminaire Photograph

LED Flood light COB 240W



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

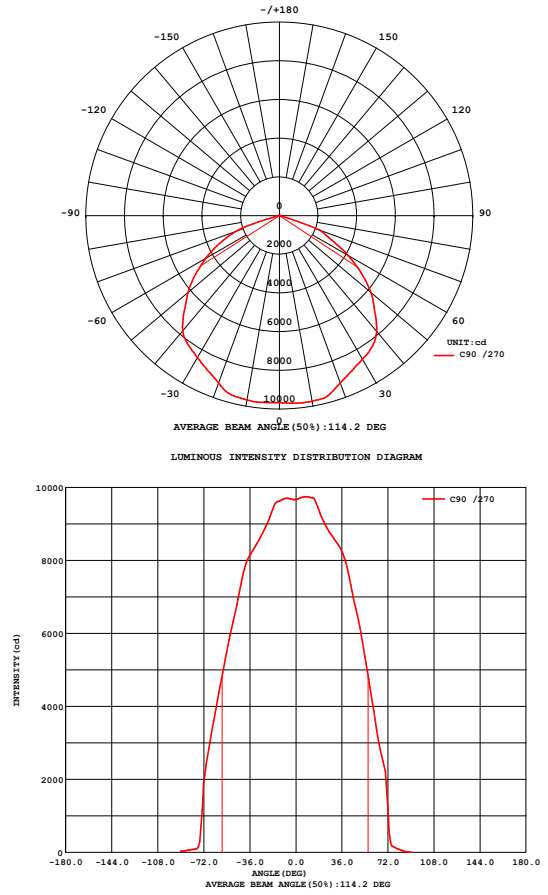
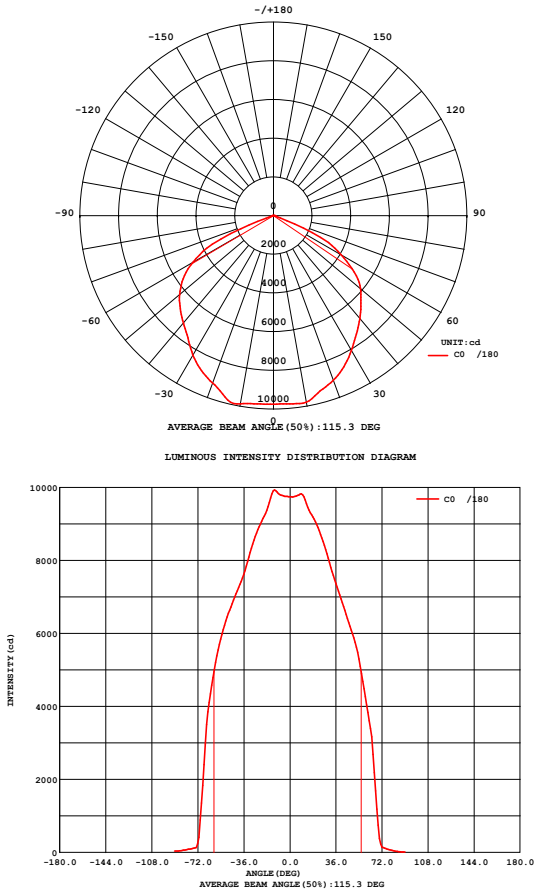


Fig. C0/C180

Fig. C90/C270

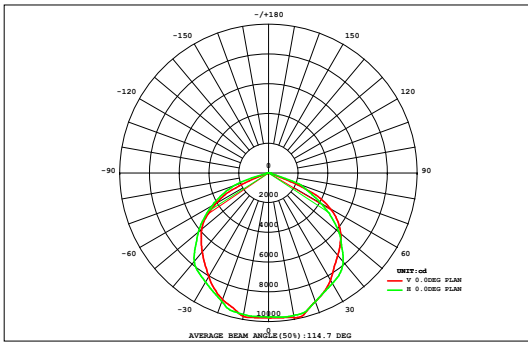
H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:CHEN
 Test Date:

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: 9.7KG
DIMENSION: 670*325*200mm	SPECIFICATION: 240W	SERIAL No.: A015
MANUFACTURER:	SURFACE:	PROTECTION ANGLE:



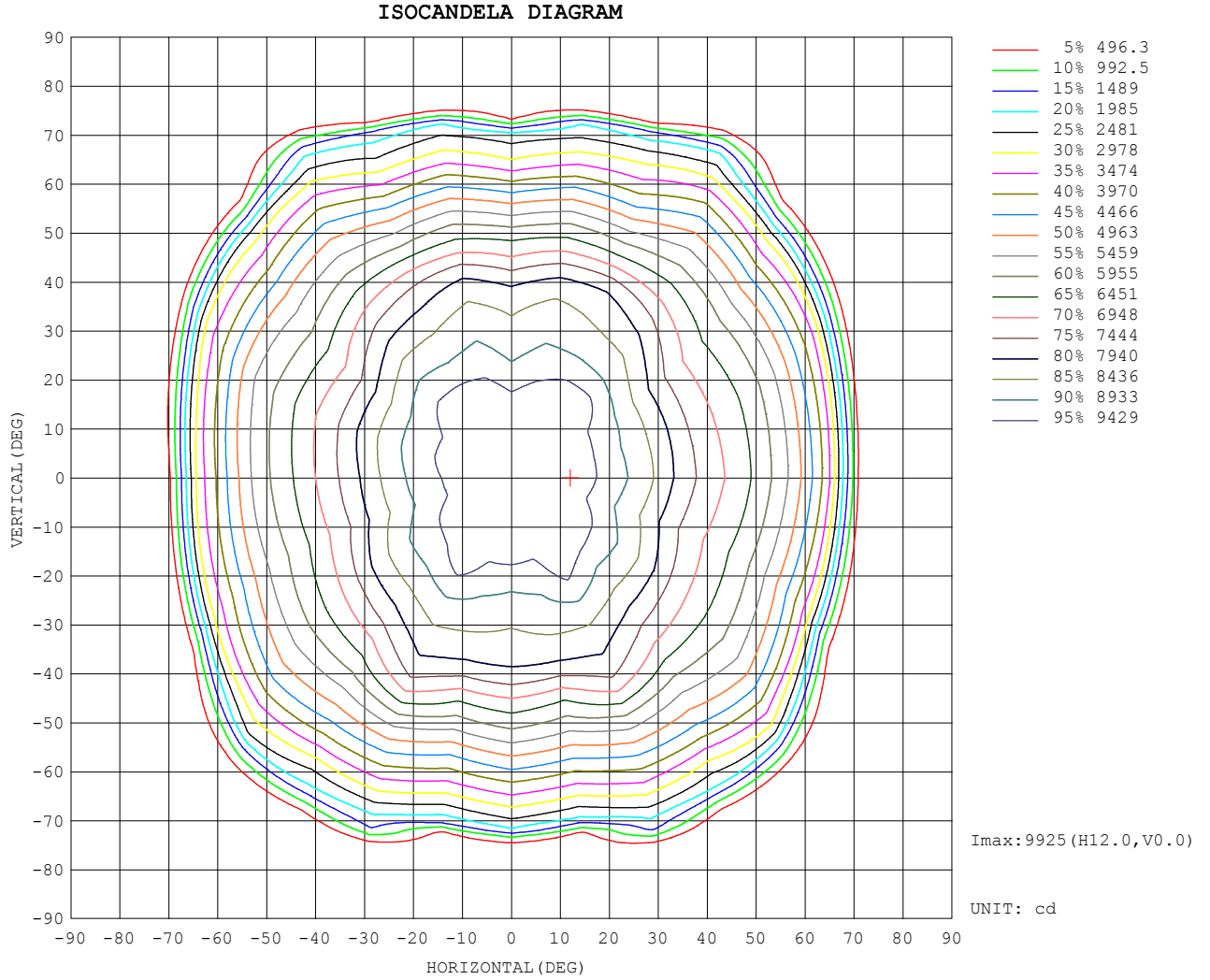
DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	SPL-FL01-240W	Imax (cd)	9925
NOMINAL POWER (W)	242.8	AVAILABILITY (%)	85.1
RATED VOLTAGE (V)	222.7	Avai. FLUX (lm)	26393
NOMINAL FLUX (lm)	31008	EFFICIENCY (%)	86.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	26657
TEST VOLTAGE (V)	219.8	θ @50% (H,V)	115,112DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT: lm		Φ t	Φ a	
	0.04	0.13	0.22	0.41	0.78	0.90	1.10	1.44	1.33	1.37	1.50	1.06	0.79	0.67	0.38	0.22	0.14			0.08
80	0.04	0.21	0.53	1.23	3.67	7.96	15.3	25.3	21.7	21.6	25.3	15.0	7.48	3.14	0.99	0.46	0.21	0.08	150	95.7
70	0.05	0.36	1.06	5.01	33.0	59.3	75.4	95.7	97.0	96.3	95.0	79.8	63.5	34.8	4.70	0.86	0.33	0.09	742	724
60	0.06	0.51	1.83	20.2	68.6	103	125	152	159	159	152	127	107	71.1	19.9	1.48	0.47	0.11	1270	1257
50	0.07	0.64	7.75	50.2	94.7	136	170	202	215	216	206	174	141	98.8	50.2	6.94	0.60	0.12	1771	1763
40	0.08	0.76	20.6	69.7	114	158	203	239	255	255	244	210	163	119	72.9	19.6	0.73	0.13	2144	2138
30	0.09	0.99	29.6	82.8	127	170	221	258	274	273	260	225	174	133	87.2	31.4	0.97	0.15	2348	2343
	0.09	1.26	33.6	88.7	137	182	232	275	294	293	278	233	184	142	95.2	38.7	1.39	0.16	2509	2505
	0.09	1.23	34.2	89.6	139	188	239	278	295	295	281	241	192	146	98.6	42.1	1.68	0.16	2561	2557
	0.10	1.07	32.8	87.7	136	184	234	275	294	295	281	239	190	145	97.2	40.5	1.56	0.17	2534	2529
	0.10	0.95	29.2	82.9	131	178	231	272	290	290	275	234	183	138	90.7	33.8	1.16	0.16	2461	2456
-30	0.09	0.83	21.9	75.6	124	170	217	257	269	269	258	219	174	131	81.2	22.9	0.89	0.15	2293	2287
-40	0.09	0.75	12.4	66.1	113	154	201	236	247	248	236	203	158	121	70.0	11.6	0.77	0.14	2079	2072
-50	0.08	0.65	6.16	49.9	93.8	130	172	195	207	207	195	174	134	99.8	52.5	5.69	0.66	0.13	1723	1714
-60	0.07	0.53	2.21	26.0	63.0	96.1	127	141	155	156	144	130	99.6	66.4	25.6	1.97	0.54	0.12	1234	1222
-70	0.07	0.41	1.16	3.99	21.8	52.4	76.0	83.8	97.7	98.9	86.9	80.1	55.4	21.8	3.60	1.09	0.42	0.11	686	664
-80	0.07	0.32	0.78	1.35	1.89	7.79	15.3	12.4	19.9	20.0	12.8	16.7	8.40	1.94	1.32	0.76	0.34	0.11	122	67.6
-90	0.07	0.29	0.53	0.77	0.96	1.24	1.43	1.47	1.67	1.67	1.49	1.46	1.27	0.97	0.78	0.54	0.31	0.11	17.0	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.36	11.9	236	802	1403	1978	2559	2999	3193	3197	3033	2604	2038	1473	853	261	13.2	2.28	26657	---
Φ a	0.00	0.00	208	783	1387	1964	2545	2985	3178	3182	3019	2591	2024	1457	834	235	0.00	0.00	---	26393

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:

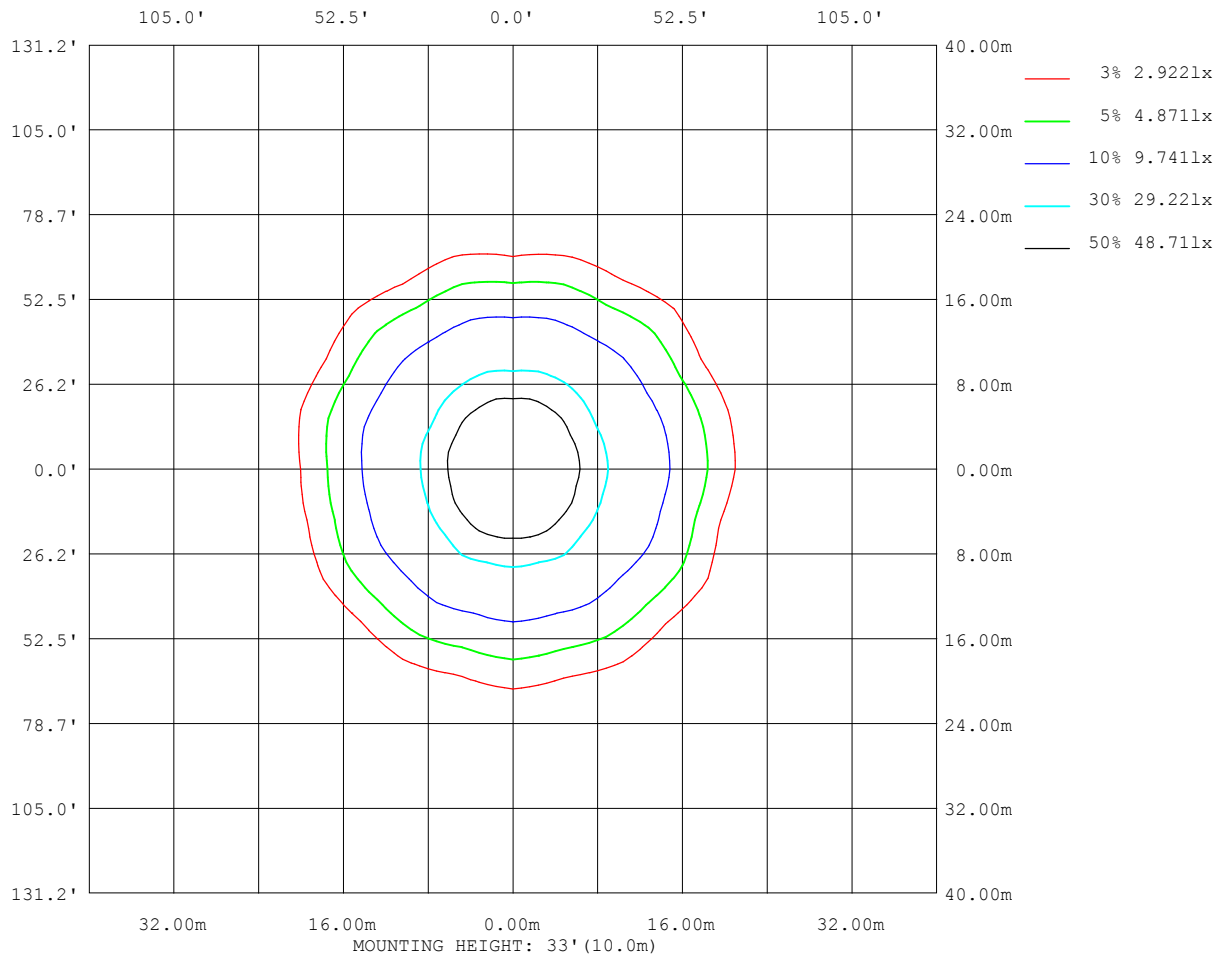
ISOCANDELA DIAGRAM



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

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

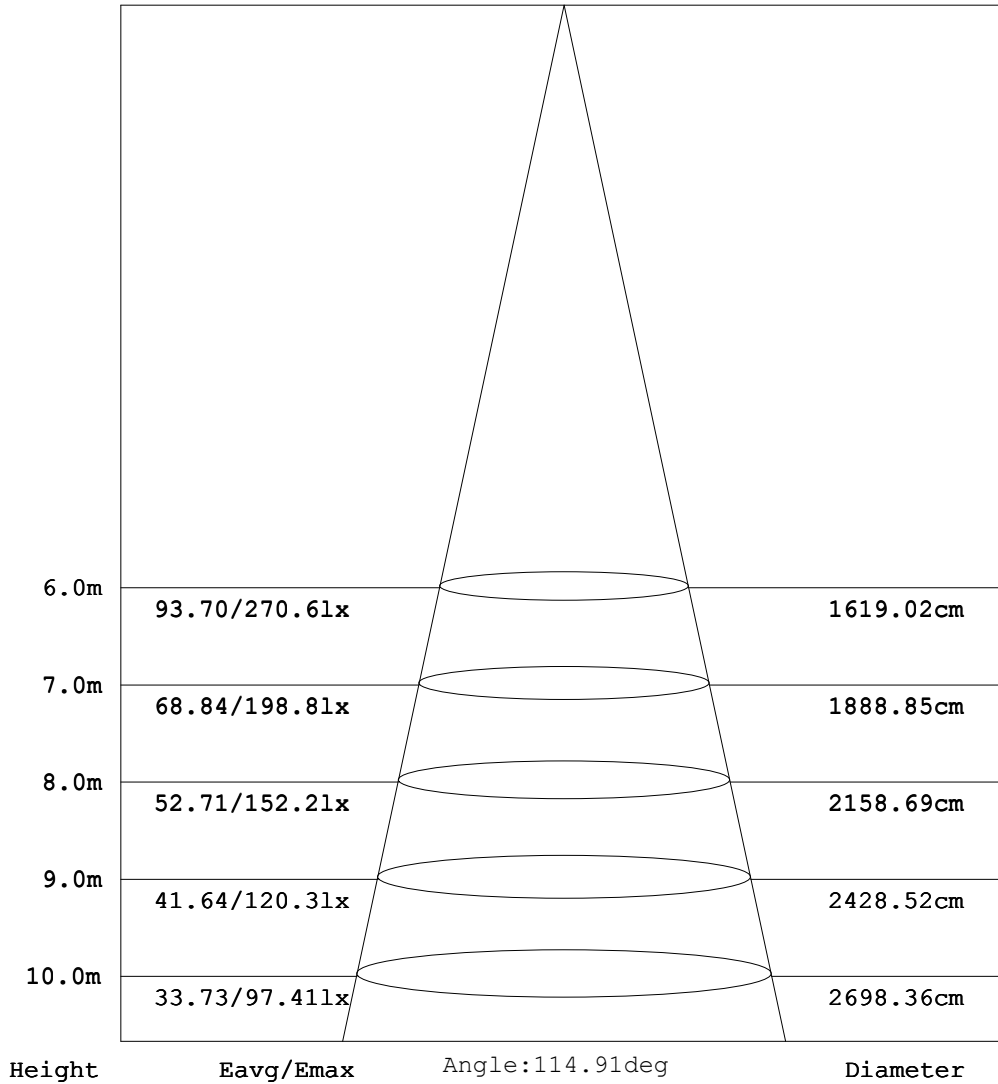
ISOLUX DIAGRAM



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	15.4	23.2	31.0	38.8	38.8	38.9	39.0	39.0	39.0	39.0	39.1	39.2	39.3	39.1	38.9	38.6	38.8	39.0	39.2
-85	15.4	23.2	30.9	38.7	39.3	40.2	41.9	41.8	41.6	41.0	44.1	47.6	51.3	49.4	47.1	44.4	48.2	52.0	55.8
-80	15.4	23.1	30.9	38.9	41.8	47.1	54.5	56.9	57.7	58.0	62.9	68.5	74.0	74.3	74.0	73.4	78.3	83.0	87.1
-75	15.4	23.0	31.0	40.1	47.2	59.5	72.1	77.2	79.1	79.3	87.7	119	214	341	304	137	161	227	291
-70	15.4	22.9	31.8	42.6	57.7	74.1	90.1	98.4	101	106	438	1090	1635	1660	1641	1651	1903	2176	2405
-65	15.4	22.8	33.0	49.5	69.3	88.7	108	122	330	938	1618	2169	2562	2795	2845	2840	3025	3249	3429
-60	15.4	22.8	34.1	56.6	80.4	103	141	507	1369	2127	2490	3028	3484	3774	3822	3844	3994	4215	4390
-55	15.4	22.7	37.9	64.5	91.9	118	378	1479	2489	2928	3371	3881	4309	4665	4749	4765	4881	5118	5295
-50	15.4	22.9	41.5	71.7	103	167	845	2401	3174	3719	4179	4605	5057	5505	5691	5726	5784	6001	6157
-45	15.4	23.3	44.8	78.5	113	272	1436	2902	3836	4399	4816	5175	5697	6287	6680	6654	6591	6817	6958
-40	15.4	23.6	48.8	85.0	122	346	1967	3451	4331	4919	5322	5714	6248	6929	7546	7527	7519	7688	7780
-35	15.4	23.8	52.2	90.6	130	510	2546	3816	4673	5321	5741	6176	6607	7299	7881	8087	8150	8193	8186
-30	15.4	23.7	55.2	95.4	138	993	3081	4099	4935	5568	6078	6538	7024	7576	8113	8457	8530	8541	8480
-25	15.4	23.6	57.5	99.3	150	1490	3367	4316	5163	5786	6304	6818	7356	7892	8367	8767	8914	8871	8810
-20	15.4	23.4	59.2	102	209	1932	3605	4532	5343	5934	6471	7014	7653	8214	8633	9062	9406	9206	9206
-15	15.4	23.1	60.2	105	279	2275	3790	4747	5533	6040	6577	7149	7802	8451	8898	9245	9673	9607	9594
-10	15.4	22.7	60.6	106	341	2517	3923	4919	5692	6202	6715	7214	7823	8459	8982	9381	9718	9691	9669
-5	15.4	22.2	60.4	106	376	2653	4007	5039	5804	6327	6860	7377	7956	8491	8924	9300	9717	9699	9687
0	15.4	21.6	59.6	105	385	2686	4040	5100	5874	6404	6949	7471	8056	8611	9058	9372	9797	9759	9741
5	15.4	21.9	60.3	107	483	2757	4102	5159	5899	6440	6987	7525	8136	8689	9122	9469	9796	9720	9727
10	15.4	22.1	60.4	107	540	2754	4111	5164	5886	6428	6968	7483	8101	8618	9044	9383	9819	9782	9735
15	15.4	22.2	59.8	105	540	2703	4062	5117	5838	6366	6853	7308	7851	8402	8958	9436	9747	9781	9647
20	15.4	22.2	58.5	103	477	2562	3955	5007	5723	6162	6612	7033	7538	8248	8812	9126	9356	9455	9201
25	15.4	22.0	56.6	99.9	340	2305	3803	4761	5484	5914	6321	6777	7417	8071	8522	8747	8984	9064	8848
30	15.4	21.7	53.9	95.9	236	1921	3563	4395	5151	5632	6031	6596	7220	7809	8179	8458	8718	8753	8585
35	15.4	21.2	50.4	91.2	153	1444	3214	3975	4713	5276	5790	6319	6895	7407	7811	8151	8445	8446	8322
40	15.4	20.5	46.6	85.3	125	827	2561	3528	4205	4889	5471	5963	6409	6878	7339	7709	8029	7959	7822
45	15.4	19.6	42.5	77.9	115	317	1629	3013	3666	4413	5025	5507	5817	6153	6543	6894	7144	7106	6964
50	15.4	18.5	38.3	69.8	104	140	729	2066	3151	3874	4497	4893	5141	5387	5742	6070	6257	6248	6184
55	15.4	17.6	33.8	61.2	91.1	121	207	877	2315	3250	3879	4142	4324	4521	4902	5219	5349	5281	5155
60	15.4	17.0	28.8	52.3	75.7	102	131	329	1307	2388	3097	3272	3389	3575	3947	4248	4316	4220	4072
65	15.4	16.4	25.2	43.7	60.8	79.8	104	205	702	1588	2214	2412	2509	2691	2996	3265	3269	3145	2980
70	15.4	16.1	21.4	34.2	46.7	58.9	73.9	102	188	541	945	1278	1638	1902	2198	2448	2399	2322	2221
75	15.4	15.8	18.4	26.1	32.5	40.0	48.2	68.0	91.3	115	131	147	137	188	282	499	497	366	179
80	15.4	15.6	16.6	19.5	21.7	23.7	25.8	40.1	56.5	73.7	75.8	75.3	73.9	83.9	94.8	105	104	100	95.9
85	15.4	15.5	15.7	16.4	16.5	16.4	16.0	20.6	27.6	36.4	34.0	30.5	26.9	34.1	41.3	48.2	42.1	35.2	27.8
90	15.4	15.4	15.4	15.4	15.3	15.2	15.1	15.3	15.5	15.7	15.7	15.7	15.6	15.7	15.7	15.8	15.7	15.7	15.6

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	39.0	38.9	38.8	38.9	38.9	39.0	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.3	39.3	39.4	39.6	39.7	
-85	52.5	49.1	45.6	48.4	50.8	52.8	48.6	44.6	41.1	42.1	42.5	42.9	41.1	40.0	39.4	39.6	39.7	39.7	
-80	82.6	77.7	72.7	74.5	75.8	76.2	70.8	64.8	58.9	57.8	56.4	53.7	47.9	42.7	39.8	40.2	39.8	39.7	
-75	224	156	133	334	383	236	130	91.4	81.0	78.9	75.5	69.4	58.2	47.1	42.1	40.8	40.3	39.7	
-70	2221	1960	1667	1703	1798	1746	1142	442	106	101	94.8	86.1	70.6	56.2	44.5	42.4	40.9	39.7	
-65	3284	3098	2953	2974	2950	2742	2333	1673	884	289	116	102	83.6	65.4	51.9	44.9	41.4	39.7	
-60	4259	4077	3946	3938	3896	3618	3161	2649	2212	1334	440	119	97.2	75.1	58.0	47.2	41.8	39.7	
-55	5164	4979	4888	4871	4778	4447	4028	3503	3110	2576	1409	329	110	85.4	65.7	51.8	42.2	39.7	
-50	6012	5811	5772	5755	5594	5185	4755	4373	3955	3426	2443	787	147	95.4	73.2	56.0	43.1	39.7	
-45	6802	6561	6644	6698	6349	5811	5323	5041	4680	4148	3070	1351	249	104	80.6	59.8	44.4	39.7	
-40	7695	7522	7510	7540	7000	6367	5890	5577	5246	4665	3654	1942	303	114	87.7	63.6	45.7	39.7	
-35	8223	8188	8080	7871	7370	6772	6357	5999	5682	5024	4064	2499	421	124	94.0	67.4	46.9	39.7	
-30	8558	8561	8462	8122	7628	7151	6722	6324	5913	5307	4397	3068	958	140	99.7	71.2	48.0	39.7	
-25	8861	8967	8838	8406	7950	7456	6976	6549	6107	5535	4645	3549	1562	186	104	74.6	49.1	39.7	
-20	9171	9464	9122	8662	8297	7761	7171	6723	6289	5712	4930	3925	2143	279	109	77.3	50.0	39.7	
-15	9578	9721	9328	8958	8567	7922	7308	6840	6413	5914	5217	4245	2640	438	112	79.5	50.9	39.7	
-10	9696	9856	9583	9072	8591	7964	7380	6982	6576	6103	5433	4489	3031	629	115	81.3	51.6	39.7	
-5	9736	9841	9504	9041	8665	8157	7578	7138	6714	6243	5593	4670	3319	785	117	82.6	52.1	39.7	
0	9766	9875	9706	9208	8835	8331	7718	7251	6815	6338	5700	4794	3501	885	119	83.5	52.4	39.7	
5	9714	9836	9622	9133	8754	8282	7680	7197	6777	6312	5676	4762	3467	882	116	82.1	51.7	39.7	
10	9767	9818	9526	9077	8650	8152	7565	7098	6703	6247	5605	4677	3346	808	113	80.2	50.8	39.7	
15	9749	9774	9622	9006	8440	7912	7380	6961	6595	6142	5484	4536	3159	668	109	77.9	49.7	39.7	
20	9399	9439	9209	8822	8302	7632	7147	6773	6421	5977	5302	4339	2830	505	104	75.1	48.4	39.7	
25	9021	9021	8841	8599	8190	7553	6933	6539	6193	5713	5022	4082	2392	322	99.5	71.8	47.0	39.7	
30	8748	8756	8564	8343	7993	7413	6798	6289	5897	5370	4639	3739	1871	207	94.0	67.9	45.4	39.7	
35	8472	8517	8343	8111	7670	7109	6549	6062	5502	4938	4193	3268	1283	130	88.4	63.5	43.6	39.7	
40	7975	8058	7890	7630	7085	6614	6204	5706	5105	4403	3645	2450	714	104	81.8	59.1	41.9	39.7	
45	7130	7200	7002	6678	6314	6013	5739	5246	4614	3792	3015	1522	262	93.3	74.1	54.4	40.1	39.7	
50	6270	6292	6132	5825	5486	5273	5077	4699	4037	3192	1969	681	108	84.3	66.0	49.5	38.2	39.7	
55	5274	5330	5203	4907	4552	4438	4320	4082	3372	2301	878	171	94.4	74.9	57.6	44.6	36.7	39.7	
60	4216	4303	4235	3978	3703	3599	3497	3274	2484	1383	304	99.8	81.5	63.1	48.6	39.8	35.7	39.7	
65	3130	3234	3238	3090	2923	2766	2594	2387	1710	706	177	81.6	66.1	51.3	40.2	35.0	34.8	39.7	
70	2288	2336	2383	2206	1938	1663	1296	959	527	159	79.9	61.5	49.6	39.5	32.5	30.6	33.8	39.7	
75	373	511	520	284	174	118	120	98.4	84.7	70.2	55.1	40.6	34.4	29.3	25.0	27.4	32.9	39.7	
80	104	111	116	97.7	80.0	64.1	62.0	60.3	58.3	46.2	34.4	23.9	22.5	20.8	19.3	25.4	32.1	39.7	
85	35.6	42.9	49.3	41.3	33.4	26.0	27.8	29.6	31.0	24.8	19.6	16.1	16.4	16.5	16.5	24.1	31.9	39.7	
90	15.7	15.8	15.9	15.8	15.8	15.7	15.8	15.8	15.9	15.7	15.5	15.4	15.4	15.5	15.6	23.6	31.7	39.7	

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: