

Luminaire Photograph

LED Flood light COB 200W



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) 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

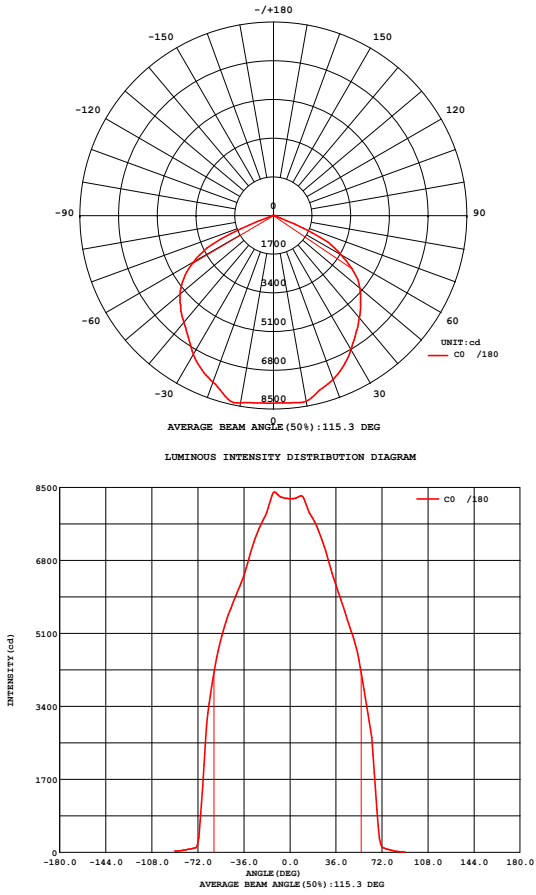


Fig. C0/C180

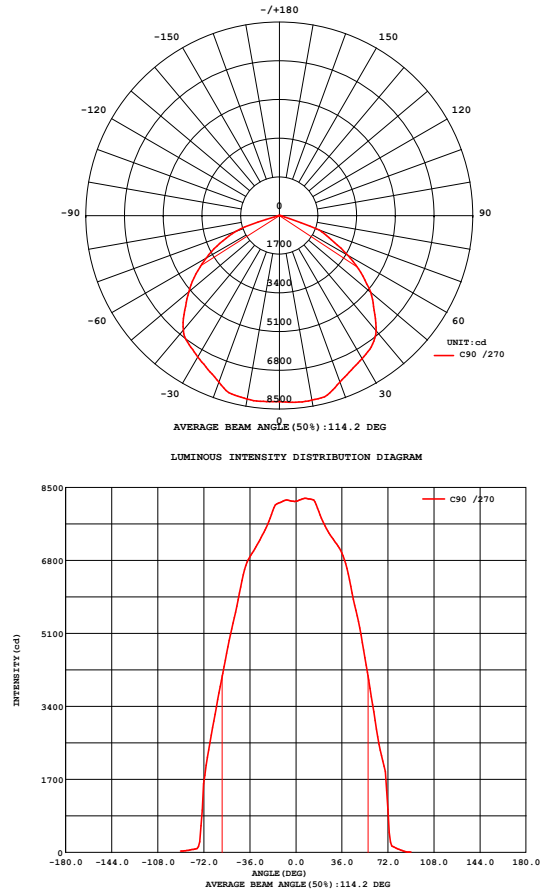


Fig. C90/C270

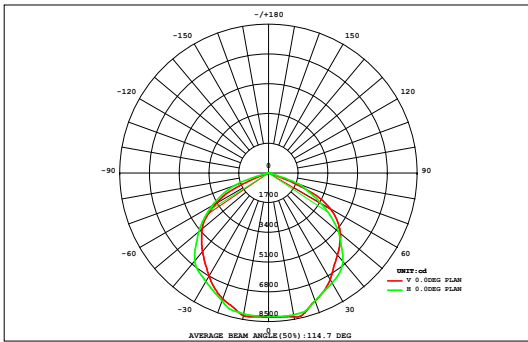
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:CHEN  
Test Date:

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**

<b>NAME:</b> LED Flood light	<b>TYPE:</b> COB	<b>WEIGHT:</b> 8.9KG
<b>DIMENSION:</b> 525*325*200mm	<b>SPECIFICATION:</b> 200W	<b>SERIAL No.:</b> A014
<b>MANUFACTURER:</b>	<b>SURFACE:</b>	<b>PROTECTION ANGLE:</b>



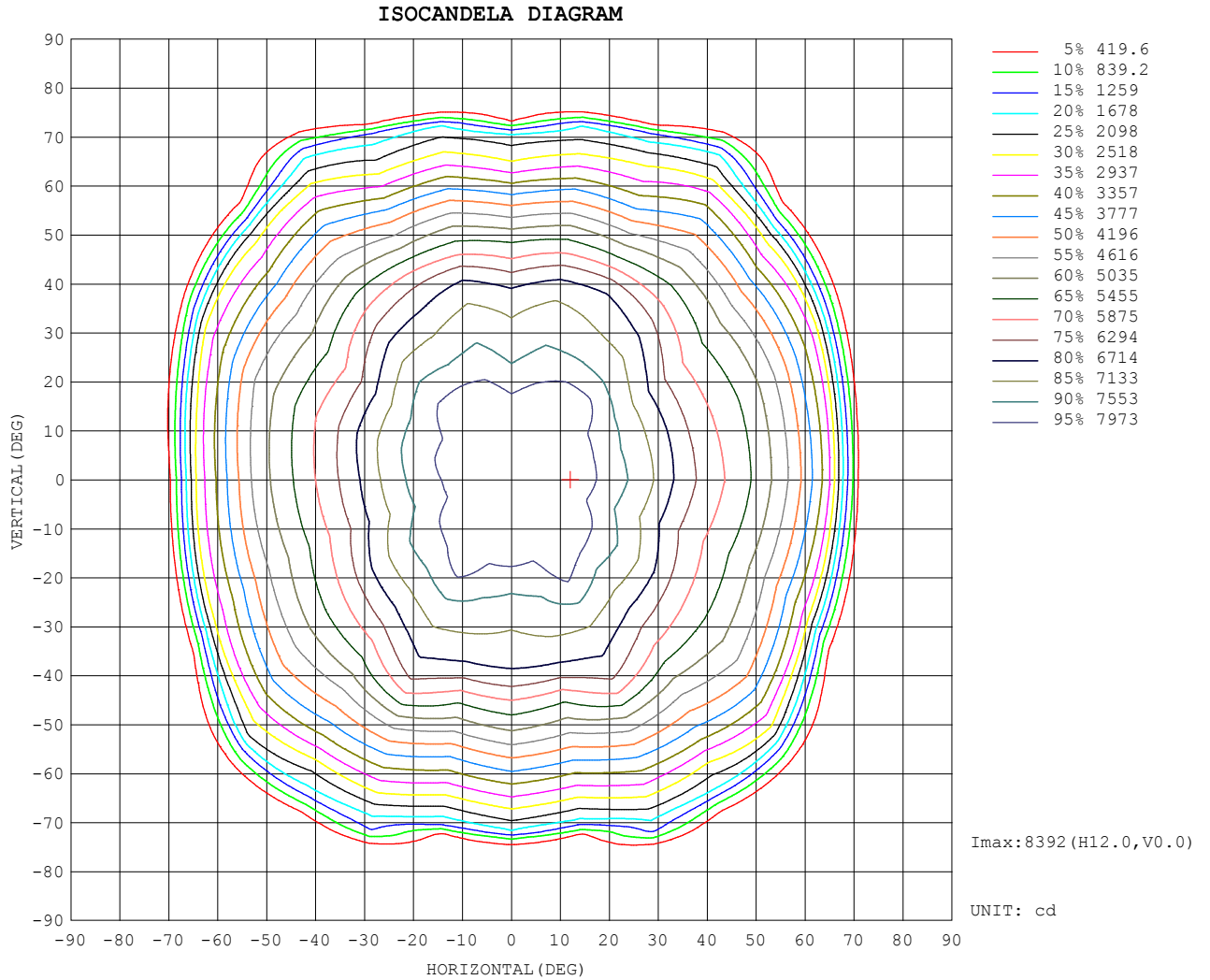
DATA OF LAMP		PHOTOMETRIC DATA	
<b>MODEL</b>	SPL-FL01-200W	<b>Imax (cd)</b>	8392
<b>NOMINAL POWER (W)</b>	201.9	<b>AVAILABILITY (%)</b>	86.9
<b>RATED VOLTAGE (V)</b>	221.3	<b>Avai. FLUX (lm)</b>	22317
<b>NOMINAL FLUX (lm)</b>	25670	<b>EFFICIENCY (%)</b>	87.8
<b>LAMPS INSIDE</b>	1	<b>TOTAL FLUX (lm)</b>	22540
<b>TEST VOLTAGE (V)</b>	219.8	<b>θ @50% (H,V)</b>	115,112DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a
	0.03	0.11	0.19	0.35	0.66	0.76	0.93	1.22	1.13	1.16	1.27	0.90	0.67	0.57	0.32	0.19	0.12	0.07		
80	0.04	0.18	0.45	1.04	3.11	6.73	13.0	21.4	18.3	18.3	21.4	12.7	6.32	2.65	0.84	0.39	0.18	0.07	127	80.9
70	0.04	0.30	0.89	4.23	27.9	50.1	63.8	80.9	82.0	81.4	80.4	67.5	53.7	29.4	3.97	0.73	0.28	0.08	628	612
60	0.05	0.43	1.55	17.1	58.0	86.7	106	129	135	135	129	108	90.5	60.1	16.8	1.25	0.40	0.09	1073	1063
50	0.06	0.55	6.56	42.4	80.1	115	144	171	182	183	174	148	120	83.5	42.4	5.87	0.51	0.10	1497	1490
40	0.07	0.65	17.4	59.0	96.0	133	172	202	215	216	206	178	138	100	61.7	16.6	0.61	0.11	1813	1807
30	0.08	0.84	25.0	70.0	108	144	187	218	231	231	220	190	147	112	73.8	26.5	0.82	0.12	1985	1981
	0.08	1.06	28.4	75.0	116	154	196	232	248	248	235	197	156	120	80.5	32.8	1.17	0.13	2122	2118
	0.08	1.04	28.9	75.7	117	159	202	235	250	249	238	204	162	123	83.4	35.6	1.42	0.14	2166	2162
	0.08	0.91	27.7	74.1	115	156	198	233	249	250	237	202	160	122	82.2	34.2	1.32	0.14	2142	2138
	0.08	0.80	24.7	70.1	110	151	196	230	245	245	232	198	155	117	76.7	28.6	0.98	0.14	2081	2077
	0.08	0.70	18.5	63.9	105	144	184	217	228	228	218	185	147	111	68.6	19.3	0.75	0.13	1939	1933
-30	0.07	0.63	10.5	55.9	95.9	130	170	200	209	210	200	171	134	102	59.2	9.83	0.65	0.12	1758	1752
-40	0.07	0.55	5.21	42.2	79.3	110	146	165	175	175	165	147	113	84.4	44.4	4.81	0.56	0.11	1457	1449
-50	0.06	0.45	1.87	22.0	53.3	81.2	107	119	131	132	121	110	84.2	56.1	21.7	1.67	0.45	0.10	1044	1033
-60	0.06	0.35	0.98	3.38	18.4	44.3	64.3	70.9	82.6	83.6	73.5	67.7	46.9	18.4	3.04	0.92	0.36	0.09	580	561
-70	0.06	0.27	0.66	1.14	1.60	6.59	13.0	10.5	16.8	16.9	10.9	14.1	7.10	1.64	1.11	0.64	0.29	0.09	103	57.1
-80	0.06	0.25	0.45	0.65	0.81	1.05	1.21	1.25	1.41	1.41	1.26	1.23	1.07	0.82	0.66	0.46	0.26	0.09	14.4	0.00
-90																				
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.15	10.1	200	678	1186	1673	2164	2536	2700	2703	2564	2202	1723	1245	721	220	11.1	1.93	22540	---
Φ a	0.00	0.00	176	662	1173	1661	2152	2524	2687	2690	2553	2191	1711	1232	705	199	0.00	0.00	---	22317

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

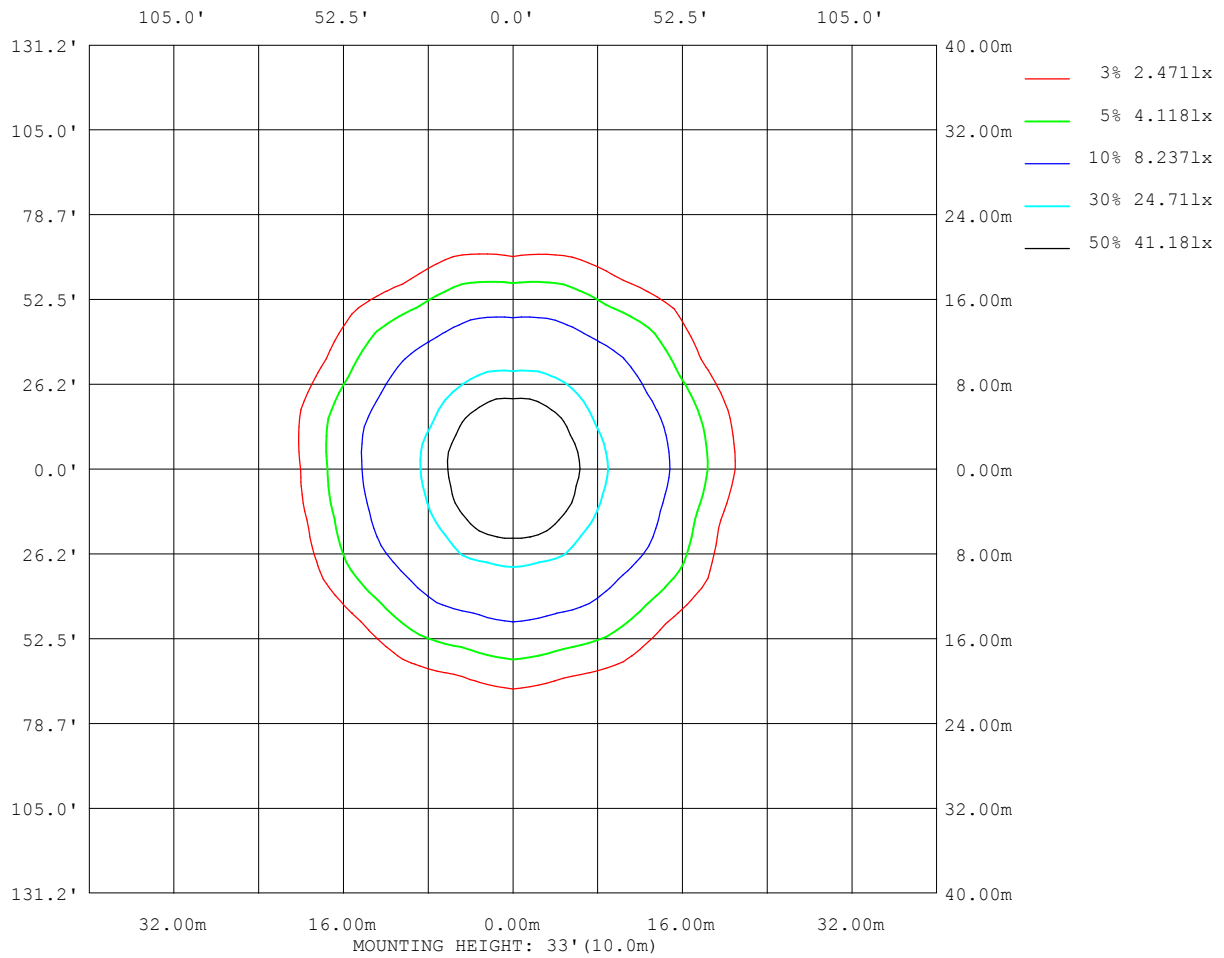


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:30DEG  
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Test Date:

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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

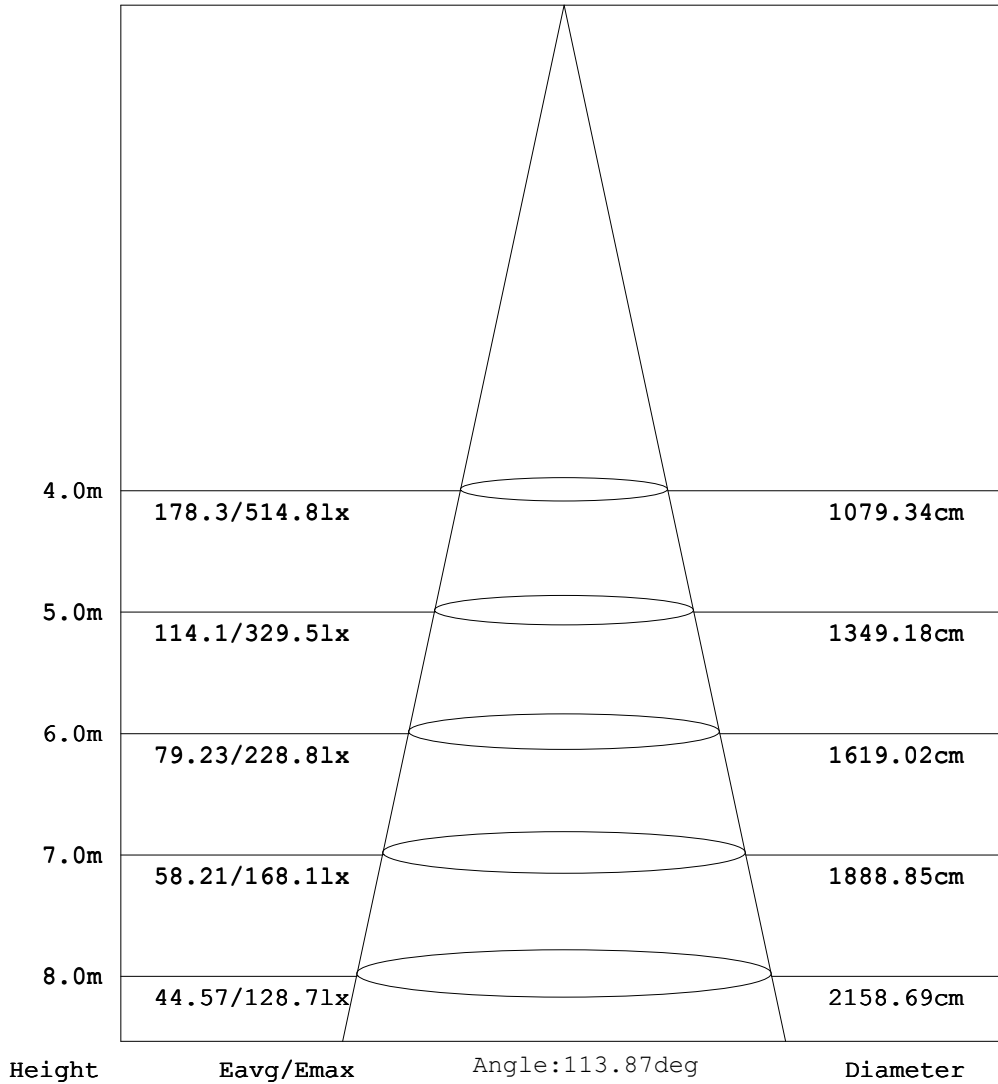
ISOLUX DIAGRAM



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) 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( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) 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	13.0	19.6	26.2	32.8	32.8	32.9	33.0	33.0	33.0	32.9	33.0	33.1	33.2	33.0	32.9	32.7	32.8	33.0	33.1
-85	13.0	19.6	26.1	32.7	33.2	34.0	35.4	35.4	35.2	34.7	37.3	40.2	43.4	41.8	39.8	37.5	40.7	44.0	47.2
-80	13.0	19.5	26.1	32.9	35.4	39.8	46.1	48.1	48.8	49.0	53.2	57.9	62.6	62.8	62.6	62.1	66.2	70.2	73.7
-75	13.0	19.5	26.2	33.9	39.9	50.3	61.0	65.3	66.9	67.0	74.1	101	181	289	257	116	136	192	246
-70	13.0	19.4	26.9	36.0	48.8	62.6	76.2	83.2	85.6	89.8	371	921	1383	1404	1388	1396	1609	1840	2033
-65	13.0	19.3	27.9	41.9	58.6	75.0	91.1	103	279	793	1368	1834	2166	2363	2406	2401	2558	2747	2899
-60	13.0	19.3	28.9	47.8	68.0	87.5	119	428	1158	1799	2106	2561	2946	3191	3232	3250	3377	3564	3712
-55	13.0	19.2	32.1	54.6	77.7	100	320	1251	2104	2476	2850	3282	3643	3945	4016	4029	4128	4328	4477
-50	13.0	19.4	35.1	60.6	87.0	141	714	2030	2684	3145	3533	3893	4276	4654	4812	4842	4890	5074	5206
-45	13.0	19.7	37.9	66.4	95.7	230	1214	2454	3244	3720	4072	4376	4818	5316	5648	5627	5573	5764	5883
-40	13.0	20.0	41.2	71.9	103	293	1663	2918	3662	4159	4500	4832	5283	5859	6381	6365	6358	6501	6578
-35	13.0	20.1	44.2	76.6	110	432	2153	3227	3951	4499	4855	5222	5587	6172	6664	6838	6892	6928	6921
-30	13.0	20.1	46.7	80.7	117	840	2605	3466	4173	4708	5140	5529	5939	6406	6860	7151	7213	7222	7171
-25	13.0	20.0	48.6	84.0	127	1260	2847	3649	4366	4892	5331	5765	6220	6673	7075	7413	7537	7501	7449
-20	13.0	19.8	50.0	86.5	177	1633	3049	3832	4518	5018	5471	5931	6471	6945	7300	7662	7953	7785	7784
-15	13.0	19.5	50.9	88.5	236	1924	3205	4014	4678	5107	5561	6045	6597	7146	7523	7817	8179	8123	8113
-10	13.0	19.2	51.3	89.6	288	2128	3317	4159	4813	5244	5678	6100	6615	7153	7595	7932	8217	8194	8176
-5	13.0	18.7	51.1	89.9	318	2244	3388	4261	4908	5349	5800	6238	6727	7180	7546	7864	8216	8201	8191
0	13.0	18.2	50.4	89.1	326	2271	3416	4313	4967	5415	5876	6317	6812	7281	7659	7924	8284	8252	8237
5	13.0	18.5	51.0	90.1	409	2331	3469	4362	4988	5445	5908	6363	6880	7347	7713	8006	8283	8218	8225
10	13.0	18.7	51.1	90.1	457	2329	3476	4367	4977	5435	5892	6328	6850	7287	7647	7934	8302	8271	8231
15	13.0	18.8	50.6	89.0	456	2286	3435	4327	4937	5383	5794	6179	6638	7104	7574	7979	8242	8270	8158
20	13.0	18.8	49.5	87.0	403	2166	3344	4234	4839	5210	5591	5946	6374	6974	7451	7717	7911	7995	7780
25	13.0	18.6	47.9	84.4	288	1949	3216	4025	4637	5000	5345	5730	6272	6825	7206	7396	7597	7664	7481
30	13.0	18.3	45.6	81.1	199	1624	3013	3716	4355	4762	5099	5577	6105	6603	6916	7152	7372	7401	7259
35	13.0	17.9	42.7	77.1	129	1221	2718	3361	3986	4461	4896	5343	5831	6263	6604	6892	7141	7141	7037
40	13.0	17.3	39.4	72.1	106	699	2165	2983	3555	4134	4626	5042	5419	5816	6205	6518	6789	6730	6614
45	13.0	16.5	35.9	65.9	96.9	268	1378	2548	3100	3731	4249	4657	4919	5202	5533	5829	6041	6008	5888
50	13.0	15.6	32.4	59.0	87.8	118	616	1747	2665	3276	3803	4138	4347	4555	4856	5133	5291	5283	5229
55	13.0	14.8	28.6	51.8	77.1	102	175	742	1958	2748	3280	3502	3656	3823	4145	4413	4523	4465	4359
60	13.0	14.4	24.4	44.2	64.0	86.1	111	278	1105	2020	2619	2766	2865	3023	3337	3592	3650	3568	3443
65	13.0	13.9	21.3	37.0	51.4	67.5	88.1	174	594	1343	1872	2040	2122	2275	2533	2761	2764	2659	2520
70	13.0	13.6	18.1	28.9	39.5	49.8	62.4	86.5	159	458	799	1081	1385	1608	1859	2070	2029	1963	1878
75	13.0	13.4	15.5	22.0	27.4	33.8	40.7	57.5	77.2	97.3	111	124	116	159	238	422	420	309	151
80	13.0	13.2	14.0	16.5	18.4	20.0	21.8	33.9	47.8	62.3	64.1	63.6	62.5	71.0	80.2	89.0	87.5	84.7	81.1
85	13.0	13.1	13.3	13.9	14.0	13.9	13.5	17.4	23.4	30.8	28.8	25.8	22.8	28.8	34.9	40.8	35.6	29.8	23.5
90	13.0	13.0	13.0	13.0	13.0	12.9	12.8	13.0	13.1	13.3	13.3	13.2	13.2	13.3	13.3	13.3	13.3	13.2	13.2

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) 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	33.0	32.9	32.8	32.9	32.9	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.2	33.2	33.2	33.3	33.5	33.6	
-85	44.4	41.5	38.6	40.9	43.0	44.7	41.1	37.7	34.8	35.6	35.9	36.3	34.8	33.8	33.3	33.4	33.6	33.6	
-80	69.9	65.7	61.5	63.0	64.1	64.4	59.9	54.8	49.8	48.9	47.7	45.4	40.5	36.1	33.7	34.0	33.7	33.6	
-75	189	132	113	282	324	199	110	77.3	68.5	66.7	63.9	58.7	49.2	39.8	35.6	34.5	34.0	33.6	
-70	1878	1657	1409	1440	1521	1476	966	374	89.3	85.2	80.2	72.8	59.7	47.5	37.7	35.8	34.6	33.6	
-65	2777	2620	2497	2515	2494	2319	1973	1414	747	244	98.4	86.5	70.7	55.3	43.9	38.0	35.0	33.6	
-60	3601	3447	3337	3330	3294	3059	2673	2240	1871	1128	372	101	82.2	63.5	49.1	39.9	35.3	33.6	
-55	4367	4210	4133	4119	4040	3760	3406	2962	2630	2178	1191	278	92.9	72.2	55.6	43.8	35.7	33.6	
-50	5083	4913	4881	4866	4730	4384	4021	3698	3344	2896	2066	666	125	80.6	61.9	47.3	36.5	33.6	
-45	5751	5548	5617	5664	5369	4914	4501	4263	3958	3508	2596	1142	210	88.3	68.1	50.5	37.6	33.6	
-40	6507	6360	6350	6376	5919	5384	4980	4716	4436	3944	3090	1642	256	96.7	74.2	53.8	38.6	33.6	
-35	6953	6923	6832	6655	6232	5726	5375	5073	4805	4248	3436	2113	356	105	79.5	57.0	39.6	33.6	
-30	7236	7239	7155	6868	6450	6046	5684	5347	5000	4487	3718	2594	810	119	84.3	60.2	40.6	33.6	
-25	7493	7582	7473	7108	6722	6305	5899	5538	5164	4680	3927	3001	1321	157	88.3	63.1	41.5	33.6	
-20	7754	8003	7713	7324	7016	6563	6063	5685	5318	4830	4169	3319	1812	236	91.8	65.3	42.3	33.6	
-15	8099	8219	7888	7575	7244	6699	6180	5783	5423	5001	4411	3590	2232	370	95.0	67.2	43.0	33.6	
-10	8199	8334	8103	7671	7264	6734	6241	5904	5560	5160	4594	3796	2563	532	97.6	68.8	43.6	33.6	
-5	8232	8321	8036	7644	7327	6898	6408	6036	5677	5279	4729	3949	2806	664	99.3	69.9	44.0	33.6	
0	8258	8350	8207	7786	7470	7044	6526	6131	5762	5359	4819	4053	2960	749	100	70.6	44.3	33.6	
5	8214	8317	8136	7723	7402	7003	6494	6086	5730	5337	4799	4027	2931	746	98.4	69.4	43.7	33.6	
10	8258	8302	8055	7675	7314	6893	6397	6002	5668	5283	4739	3954	2830	683	95.8	67.8	42.9	33.6	
15	8244	8265	8136	7615	7136	6690	6240	5886	5577	5193	4637	3836	2671	565	92.4	65.9	42.0	33.6	
20	7947	7981	7787	7460	7020	6453	6044	5727	5429	5054	4483	3669	2393	427	88.3	63.5	40.9	33.6	
25	7627	7628	7475	7271	6926	6386	5862	5529	5237	4831	4246	3451	2023	273	84.1	60.8	39.7	33.6	
30	7397	7403	7241	7054	6758	6268	5748	5318	4987	4540	3923	3161	1582	175	79.5	57.5	38.4	33.6	
35	7164	7202	7055	6859	6485	6011	5538	5126	4652	4175	3545	2763	1085	110	74.7	53.7	36.9	33.6	
40	6744	6814	6672	6451	5991	5592	5246	4825	4316	3723	3082	2072	604	87.7	69.2	49.9	35.4	33.6	
45	6029	6088	5921	5646	5338	5085	4853	4436	3901	3206	2549	1287	222	78.9	62.7	46.0	33.9	33.6	
50	5302	5320	5185	4926	4639	4459	4293	3974	3414	2699	1665	576	91.5	71.3	55.8	41.8	32.3	33.6	
55	4459	4507	4399	4149	3849	3752	3653	3452	2851	1945	743	145	79.8	63.3	48.7	37.7	31.0	33.6	
60	3565	3638	3581	3363	3131	3043	2957	2769	2100	1169	257	84.4	68.9	53.3	41.1	33.7	30.2	33.6	
65	2646	2735	2738	2613	2472	2338	2194	2019	1446	597	150	69.0	55.9	43.4	34.0	29.6	29.4	33.6	
70	1935	1975	2015	1865	1639	1406	1096	811	446	134	67.5	52.0	41.9	33.4	27.5	25.9	28.6	33.6	
75	315	432	440	240	148	99.6	102	83.2	71.7	59.4	46.6	34.3	29.1	24.7	21.1	23.2	27.8	33.6	
80	88.0	94.0	97.9	82.7	67.7	54.2	52.4	51.0	49.3	39.1	29.1	20.2	19.0	17.6	16.4	21.5	27.2	33.6	
85	30.1	36.3	41.7	34.9	28.2	22.0	23.5	25.0	26.2	21.0	16.6	13.6	13.8	13.9	13.9	20.3	27.0	33.6	
90	13.3	13.3	13.4	13.4	13.3	13.3	13.3	13.4	13.4	13.3	13.1	13.0	13.1	13.1	13.2	20.0	26.8	33.6	

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: