

Luminaire Photograph

LED Flood light COB 50W



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

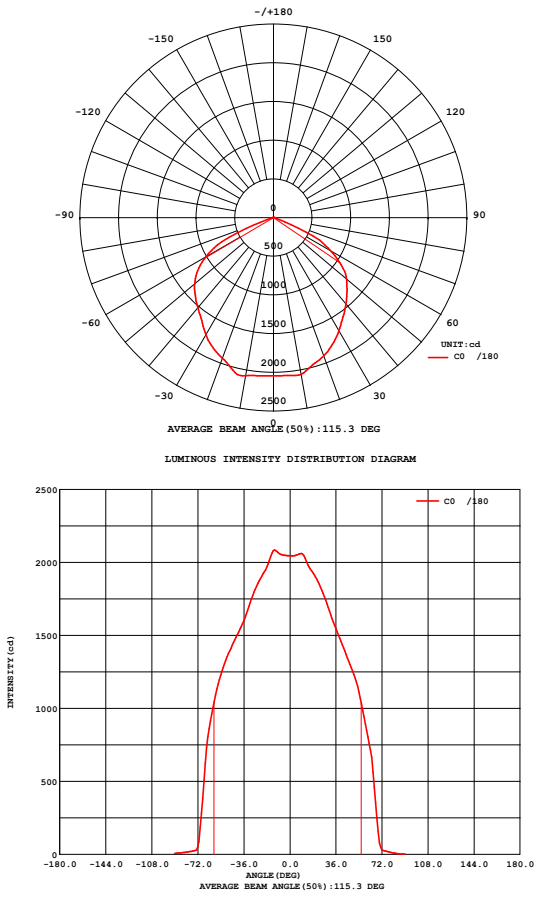


Fig. C0/C180

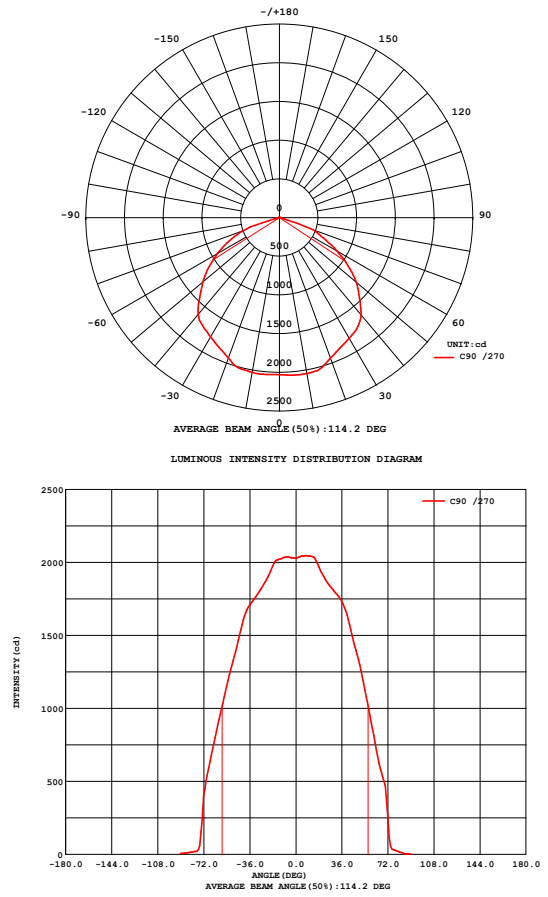


Fig. C90/C270

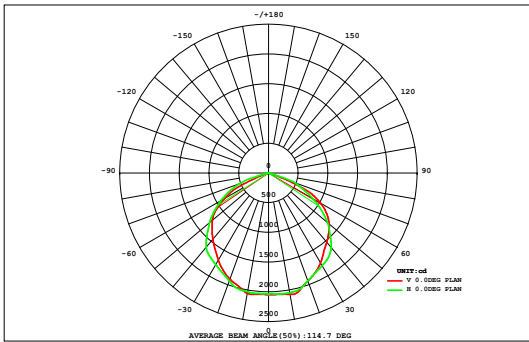
H(β) Range:-90 - 90DEG
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Test Speed: HIGH
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V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B SYSTEM V1.0.250
Humidity:65%
Test Distance:10.300m [K=0.9612]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: LED Flood light	TYPE: COB	WEIGHT: 2.4KG
DIMENSION: 290*230*170mm	SPECIFICATION: 50W	SERIAL No.: A012
MANUFACTURER:	SURFACE:	PROTECTION ANGLE:



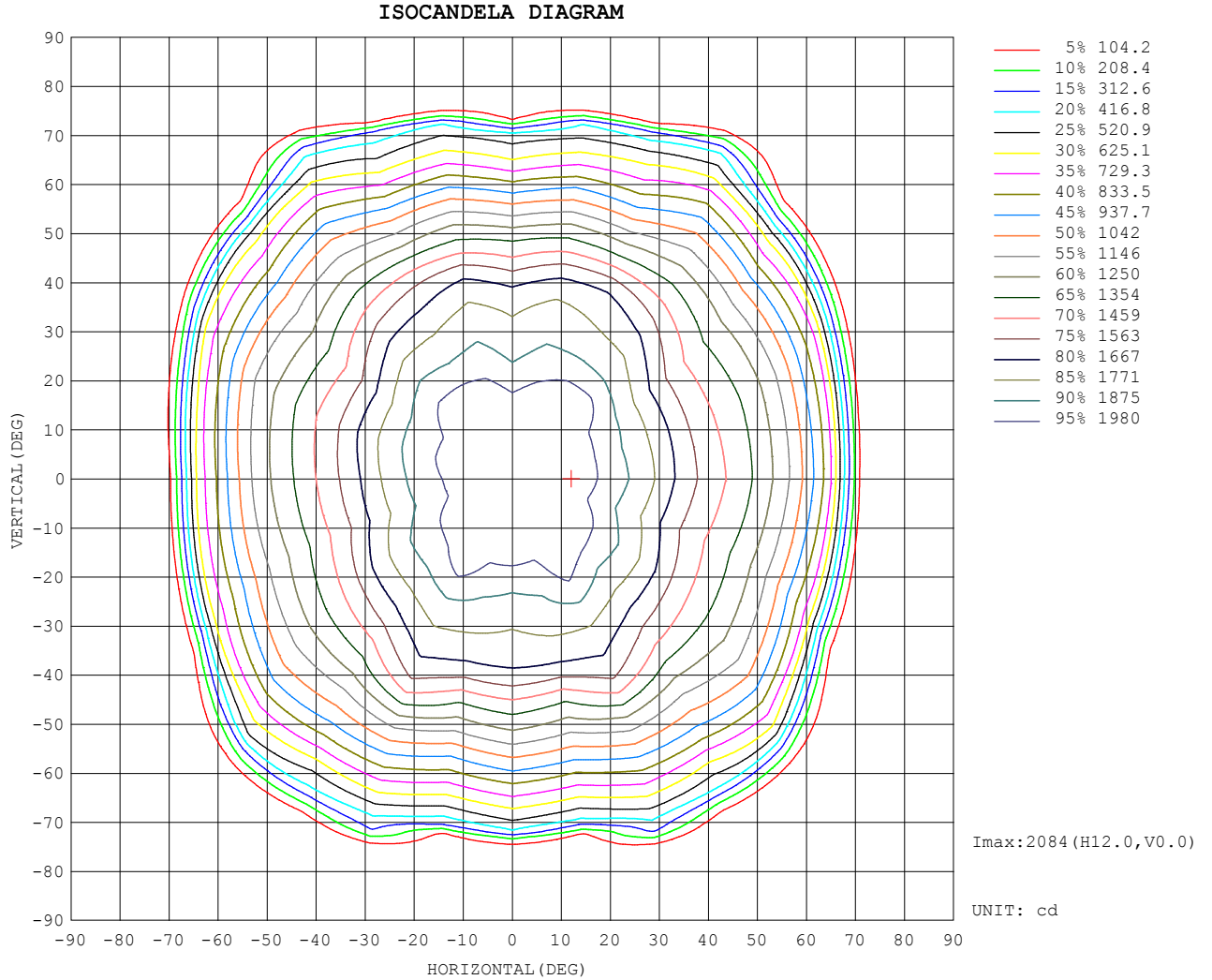
DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	SPL-FL01-50W	Imax (cd)	2084
NOMINAL POWER (W)	51.4	AVAILABILITY (%)	85.6
RATED VOLTAGE (V)	223.7	Avai. FLUX (lm)	5541
NOMINAL FLUX (lm)	6476.0	EFFICIENCY (%)	86.4
LAMPS INSIDE	1	TOTAL FLUX (lm)	5596
TEST VOLTAGE (V)	219.8	θ @50% (H,V)	115,112DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a
	0.01	0.03	0.05	0.09	0.16	0.19	0.23	0.30	0.28	0.29	0.32	0.22	0.17	0.14	0.08	0.05	0.03	0.02		
90	0.01	0.03	0.05	0.09	0.16	0.19	0.23	0.30	0.28	0.29	0.32	0.22	0.17	0.14	0.08	0.05	0.03	0.02	2.64	0.00
80	0.01	0.04	0.11	0.26	0.77	1.67	3.22	5.32	4.55	4.53	5.30	3.16	1.57	0.66	0.21	0.10	0.04	0.02	31.5	20.1
70	0.01	0.07	0.22	1.05	6.92	12.4	15.8	20.1	20.4	20.2	20.0	16.8	13.3	7.31	0.99	0.18	0.07	0.02	156	152
60	0.01	0.11	0.38	4.25	14.4	21.5	26.3	31.9	33.5	33.4	32.0	26.7	22.5	14.9	4.17	0.31	0.10	0.02	267	264
50	0.02	0.14	1.63	10.5	19.9	28.6	35.7	42.5	45.2	45.3	43.2	36.6	29.7	20.7	10.5	1.46	0.13	0.03	372	370
40	0.02	0.16	4.32	14.6	23.8	33.1	42.7	50.1	53.5	53.6	51.2	44.1	34.3	24.9	15.3	4.11	0.15	0.03	450	449
30	0.02	0.21	6.22	17.4	26.7	35.7	46.5	54.1	57.4	57.3	54.6	47.2	36.6	27.9	18.3	6.59	0.20	0.03	493	492
	0.02	0.26	7.05	18.6	28.7	38.3	48.7	57.7	61.6	61.5	58.4	49.0	38.7	29.7	20.0	8.13	0.29	0.03	527	526
	0.02	0.26	7.18	18.8	29.1	39.4	50.1	58.3	62.0	61.9	59.1	50.6	40.3	30.6	20.7	8.84	0.35	0.03	538	537
	0.02	0.23	6.88	18.4	28.6	38.7	49.2	57.8	61.7	62.0	58.9	50.1	39.8	30.3	20.4	8.50	0.33	0.03	532	531
	0.02	0.20	6.13	17.4	27.4	37.5	48.6	57.1	60.9	60.9	57.7	49.1	38.4	29.0	19.0	7.09	0.24	0.03	517	516
	0.02	0.17	4.59	15.9	26.1	35.7	45.7	53.9	56.5	56.5	54.2	46.0	36.6	27.5	17.0	4.80	0.19	0.03	481	480
-30	0.02	0.16	2.60	13.9	23.8	32.3	42.1	49.6	51.9	52.0	49.6	42.5	33.3	25.3	14.7	2.44	0.16	0.03	437	435
-40	0.02	0.14	1.29	10.5	19.7	27.3	36.2	41.0	43.4	43.4	41.0	36.6	28.1	20.9	11.0	1.20	0.14	0.03	362	360
-50	0.02	0.11	0.46	5.45	13.2	20.2	26.7	29.5	32.5	32.8	30.1	27.3	20.9	13.9	5.38	0.41	0.11	0.03	259	257
-60	0.01	0.09	0.24	0.84	4.57	11.0	16.0	17.6	20.5	20.8	18.2	16.8	11.6	4.57	0.76	0.23	0.09	0.02	144	139
-70	0.01	0.07	0.16	0.28	0.40	1.64	3.22	2.60	4.17	4.20	2.69	3.50	1.76	0.41	0.28	0.16	0.07	0.02	25.6	14.2
-80	0.01	0.06	0.11	0.16	0.20	0.26	0.30	0.31	0.35	0.35	0.31	0.31	0.27	0.20	0.16	0.11	0.07	0.02	3.57	0.00
-90	0.01	0.06	0.11	0.16	0.20	0.26	0.30	0.31	0.35	0.35	0.31	0.31	0.27	0.20	0.16	0.11	0.07	0.02	3.57	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.29	2.50	49.6	168	295	415	537	630	670	671	637	547	428	309	179	54.7	2.77	0.48	5596	---
Φ a	0.00	0.00	43.6	164	291	412	534	627	667	668	634	544	425	306	175	49.4	0.00	0.00	---	5541

H(β) Range:-90 - 90DEG
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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

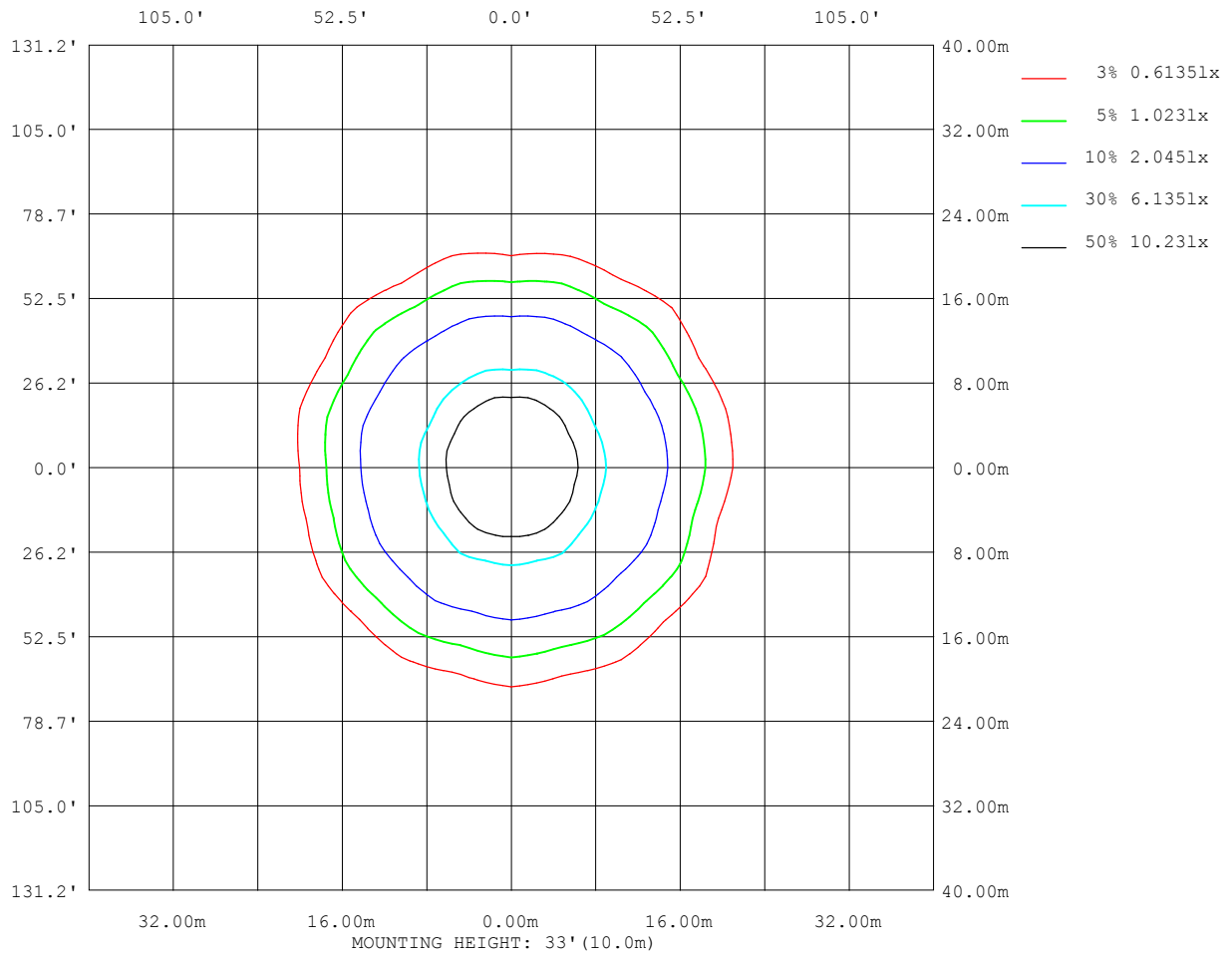


H(β) Range: -90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: CHEN
Test Date:

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:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

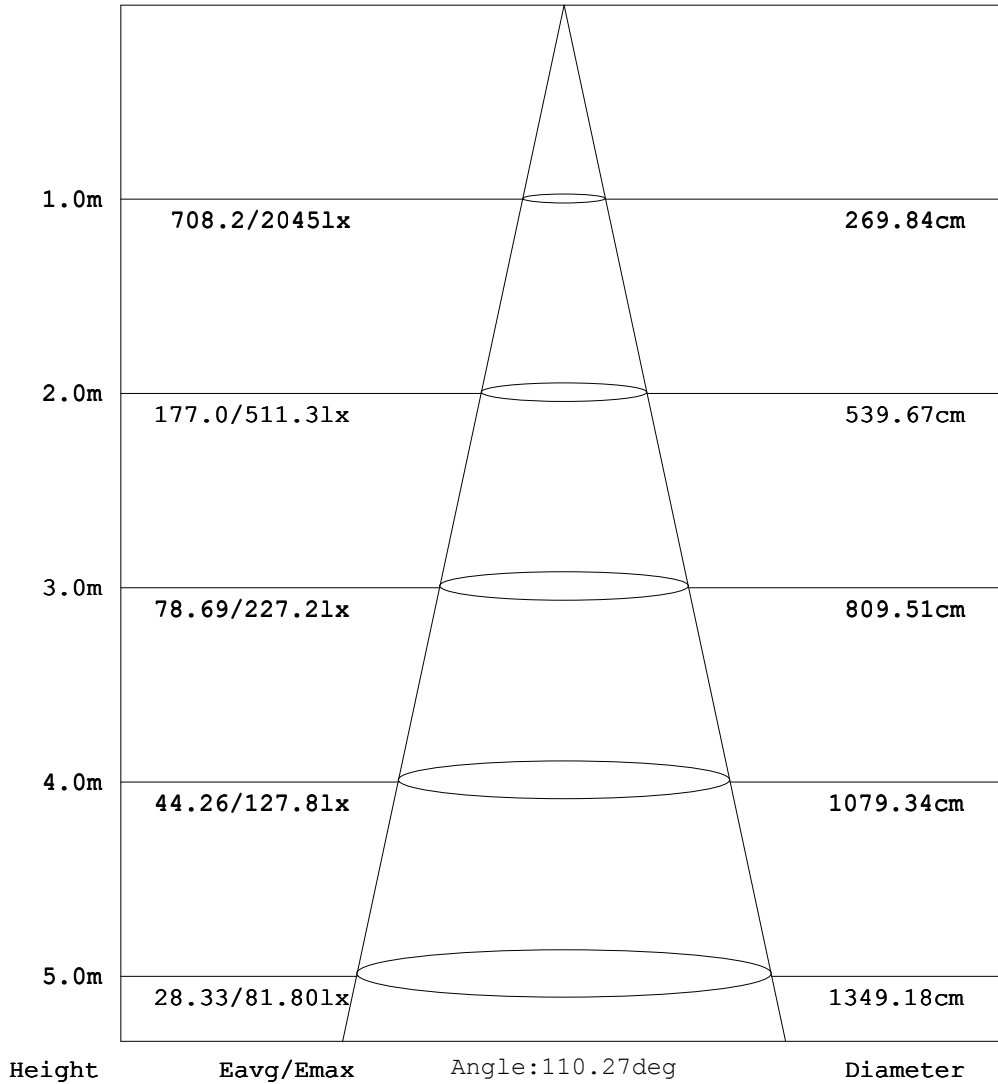
ISOLUX DIAGRAM



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	3.23	4.86	6.50	8.14	8.15	8.17	8.19	8.18	8.18	8.18	8.20	8.23	8.25	8.20	8.16	8.11	8.15	8.19	8.22
-85	3.23	4.86	6.49	8.12	8.25	8.44	8.79	8.78	8.74	8.61	9.25	9.99	10.8	10.4	9.88	9.32	10.1	10.9	11.7
-80	3.23	4.85	6.48	8.16	8.78	9.89	11.4	11.9	12.1	12.2	13.2	14.4	15.5	15.6	15.5	15.4	16.4	17.4	18.3
-75	3.23	4.83	6.51	8.43	9.92	12.5	15.1	16.2	16.6	16.6	18.4	25.0	44.9	71.6	63.9	28.7	33.9	47.6	61.2
-70	3.23	4.81	6.67	8.94	12.1	15.6	18.9	20.7	21.2	22.3	92.0	229	343	349	345	347	399	457	505
-65	3.23	4.78	6.93	10.4	14.5	18.6	22.6	25.6	69.3	197	340	455	538	587	597	596	635	682	720
-60	3.23	4.78	7.17	11.9	16.9	21.7	29.5	106	288	447	523	636	731	792	802	807	838	885	922
-55	3.23	4.77	7.96	13.6	19.3	24.9	79.4	311	522	615	708	815	905	979	997	1000	1025	1075	1112
-50	3.23	4.82	8.70	15.0	21.6	35.1	177	504	666	781	877	967	1062	1156	1195	1202	1214	1260	1293
-45	3.23	4.90	9.40	16.5	23.8	57.2	301	609	805	924	1011	1087	1196	1320	1402	1397	1384	1431	1461
-40	3.23	4.96	10.2	17.9	25.5	72.7	413	724	909	1033	1117	1200	1312	1455	1584	1580	1579	1614	1633
-35	3.23	4.99	11.0	19.0	27.2	107	535	801	981	1117	1205	1297	1387	1533	1655	1698	1711	1720	1719
-30	3.23	4.99	11.6	20.0	29.0	208	647	861	1036	1169	1276	1373	1475	1591	1703	1775	1791	1793	1780
-25	3.23	4.96	12.1	20.9	31.5	313	707	906	1084	1215	1324	1431	1544	1657	1757	1841	1871	1863	1850
-20	3.23	4.91	12.4	21.5	43.8	406	757	952	1122	1246	1359	1473	1607	1724	1813	1902	1975	1933	1933
-15	3.23	4.85	12.6	22.0	58.5	478	796	997	1162	1268	1381	1501	1638	1774	1868	1941	2031	2017	2014
-10	3.23	4.76	12.7	22.3	71.6	528	824	1033	1195	1302	1410	1514	1642	1776	1886	1970	2040	2035	2030
-5	3.23	4.65	12.7	22.3	79.0	557	841	1058	1219	1328	1440	1549	1670	1783	1874	1953	2040	2036	2034
0	3.23	4.53	12.5	22.1	80.8	564	848	1071	1233	1345	1459	1569	1691	1808	1902	1968	2057	2049	2045
5	3.23	4.60	12.7	22.4	101	579	861	1083	1239	1352	1467	1580	1708	1824	1915	1988	2057	2041	2042
10	3.23	4.64	12.7	22.4	113	578	863	1084	1236	1350	1463	1571	1701	1809	1899	1970	2061	2054	2044
15	3.23	4.67	12.6	22.1	113	568	853	1074	1226	1337	1439	1534	1648	1764	1881	1981	2046	2054	2025
20	3.23	4.66	12.3	21.6	100	538	830	1051	1202	1294	1388	1476	1583	1732	1850	1916	1964	1985	1932
25	3.23	4.62	11.9	21.0	71.4	484	798	999	1151	1242	1327	1423	1557	1695	1789	1836	1886	1903	1858
30	3.23	4.56	11.3	20.1	49.5	403	748	923	1081	1182	1266	1385	1516	1640	1717	1776	1830	1838	1802
35	3.23	4.45	10.6	19.1	32.1	303	675	835	990	1108	1216	1327	1448	1555	1640	1711	1773	1773	1747
40	3.23	4.30	9.79	17.9	26.2	174	538	741	883	1026	1149	1252	1346	1444	1541	1618	1686	1671	1642
45	3.23	4.11	8.92	16.4	24.0	66.5	342	633	770	926	1055	1156	1221	1292	1374	1447	1500	1492	1462
50	3.23	3.88	8.05	14.6	21.8	29.3	153	434	662	813	944	1027	1079	1131	1206	1274	1314	1312	1298
55	3.23	3.69	7.09	12.9	19.1	25.3	43.5	184	486	682	814	870	908	949	1029	1096	1123	1109	1082
60	3.23	3.57	6.05	11.0	15.9	21.4	27.6	69.0	274	501	650	687	711	751	829	892	906	886	855
65	3.23	3.45	5.30	9.18	12.8	16.7	21.9	43.1	147	333	465	506	527	565	629	686	686	660	626
70	3.23	3.37	4.49	7.18	9.81	12.4	15.5	21.5	39.4	114	199	268	344	399	462	514	504	488	466
75	3.23	3.32	3.85	5.47	6.81	8.39	10.1	14.3	19.2	24.2	27.5	30.8	28.8	39.5	59.2	105	104	76.8	37.6
80	3.23	3.27	3.49	4.09	4.56	4.97	5.42	8.42	11.9	15.5	15.9	15.8	15.5	17.6	19.9	22.1	21.7	21.0	20.1
85	3.23	3.25	3.30	3.44	3.47	3.45	3.36	4.32	5.80	7.64	7.14	6.40	5.66	7.16	8.67	10.1	8.84	7.39	5.84
90	3.23	3.23	3.24	3.24	3.22	3.20	3.18	3.22	3.26	3.30	3.30	3.29	3.28	3.29	3.30	3.31	3.30	3.29	3.28

H(β) Range:-90 - 90DEG
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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	8.19	8.16	8.14	8.16	8.18	8.20	8.21	8.21	8.22	8.23	8.23	8.23	8.24	8.24	8.25	8.28	8.31	8.34	
-85	11.0	10.3	9.57	10.2	10.7	11.1	10.2	9.36	8.64	8.83	8.92	9.00	8.64	8.40	8.27	8.30	8.33	8.34	
-80	17.3	16.3	15.3	15.6	15.9	16.0	14.9	13.6	12.4	12.1	11.8	11.3	10.1	8.96	8.36	8.44	8.36	8.34	
-75	47.0	32.8	28.0	70.1	80.5	49.5	27.3	19.2	17.0	16.6	15.9	14.6	12.2	9.89	8.83	8.57	8.45	8.34	
-70	466	411	350	358	378	367	240	92.8	22.2	21.1	19.9	18.1	14.8	11.8	9.35	8.90	8.58	8.34	
-65	689	650	620	624	619	576	490	351	186	60.7	24.4	21.5	17.5	13.7	10.9	9.42	8.70	8.34	
-60	894	856	828	827	818	760	664	556	464	280	92.5	25.0	20.4	15.8	12.2	9.91	8.78	8.34	
-55	1084	1045	1026	1023	1003	934	846	735	653	541	296	69.0	23.1	17.9	13.8	10.9	8.85	8.34	
-50	1262	1220	1212	1208	1175	1089	998	918	830	719	513	165	30.9	20.0	15.4	11.7	9.06	8.34	
-45	1428	1377	1395	1406	1333	1220	1117	1058	983	871	645	284	52.3	21.9	16.9	12.5	9.33	8.34	
-40	1616	1579	1577	1583	1470	1337	1237	1171	1101	979	767	408	63.5	24.0	18.4	13.4	9.59	8.34	
-35	1726	1719	1696	1653	1547	1422	1335	1260	1193	1055	853	525	88.5	26.1	19.7	14.2	9.84	8.34	
-30	1797	1797	1777	1705	1601	1501	1411	1328	1241	1114	923	644	201	29.5	20.9	15.0	10.1	8.34	
-25	1860	1883	1856	1765	1669	1565	1465	1375	1282	1162	975	745	328	39.0	21.9	15.7	10.3	8.34	
-20	1925	1987	1915	1819	1742	1629	1505	1412	1320	1199	1035	824	450	58.5	22.8	16.2	10.5	8.34	
-15	2011	2041	1958	1881	1799	1663	1534	1436	1346	1242	1095	891	554	92.0	23.6	16.7	10.7	8.34	
-10	2036	2069	2012	1905	1804	1672	1549	1466	1381	1281	1141	943	636	132	24.2	17.1	10.8	8.34	
-5	2044	2066	1995	1898	1819	1713	1591	1499	1410	1311	1174	981	697	165	24.7	17.3	10.9	8.34	
0	2050	2073	2038	1933	1855	1749	1620	1522	1431	1331	1197	1006	735	186	24.9	17.5	11.0	8.34	
5	2040	2065	2020	1917	1838	1739	1612	1511	1423	1325	1192	1000	728	185	24.4	17.2	10.9	8.34	
10	2050	2061	2000	1906	1816	1711	1588	1490	1407	1312	1177	982	703	170	23.8	16.8	10.7	8.34	
15	2047	2052	2020	1891	1772	1661	1549	1461	1385	1289	1151	952	663	140	22.9	16.4	10.4	8.34	
20	1973	1982	1933	1852	1743	1602	1501	1422	1348	1255	1113	911	594	106	21.9	15.8	10.2	8.34	
25	1894	1894	1856	1805	1720	1586	1456	1373	1300	1199	1054	857	502	67.7	20.9	15.1	9.86	8.34	
30	1837	1838	1798	1752	1678	1556	1427	1320	1238	1127	974	785	393	43.5	19.7	14.3	9.53	8.34	
35	1779	1788	1752	1703	1610	1493	1375	1273	1155	1037	880	686	269	27.3	18.6	13.3	9.16	8.34	
40	1674	1692	1657	1602	1487	1389	1303	1198	1072	924	765	514	150	21.8	17.2	12.4	8.79	8.34	
45	1497	1512	1470	1402	1326	1262	1205	1101	969	796	633	319	55.1	19.6	15.6	11.4	8.42	8.34	
50	1316	1321	1287	1223	1152	1107	1066	987	848	670	413	143	22.7	17.7	13.8	10.4	8.03	8.34	
55	1107	1119	1092	1030	956	932	907	857	708	483	184	35.9	19.8	15.7	12.1	9.35	7.70	8.34	
60	885	903	889	835	777	756	734	687	522	290	63.8	21.0	17.1	13.2	10.2	8.36	7.50	8.34	
65	657	679	680	649	614	581	545	501	359	148	37.1	17.1	13.9	10.8	8.43	7.35	7.30	8.34	
70	480	490	500	463	407	349	272	201	111	33.3	16.8	12.9	10.4	8.29	6.83	6.43	7.10	8.34	
75	78.3	107	109	59.6	36.6	24.7	25.3	20.7	17.8	14.7	11.6	8.53	7.21	6.14	5.24	5.76	6.90	8.34	
80	21.9	23.3	24.3	20.5	16.8	13.5	13.0	12.7	12.2	9.70	7.22	5.03	4.71	4.36	4.06	5.33	6.75	8.34	
85	7.48	9.00	10.3	8.67	7.01	5.45	5.83	6.22	6.50	5.21	4.12	3.37	3.44	3.46	3.46	5.05	6.69	8.34	
90	3.30	3.31	3.33	3.32	3.31	3.30	3.31	3.32	3.33	3.30	3.26	3.23	3.24	3.26	3.28	4.96	6.65	8.34	

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: