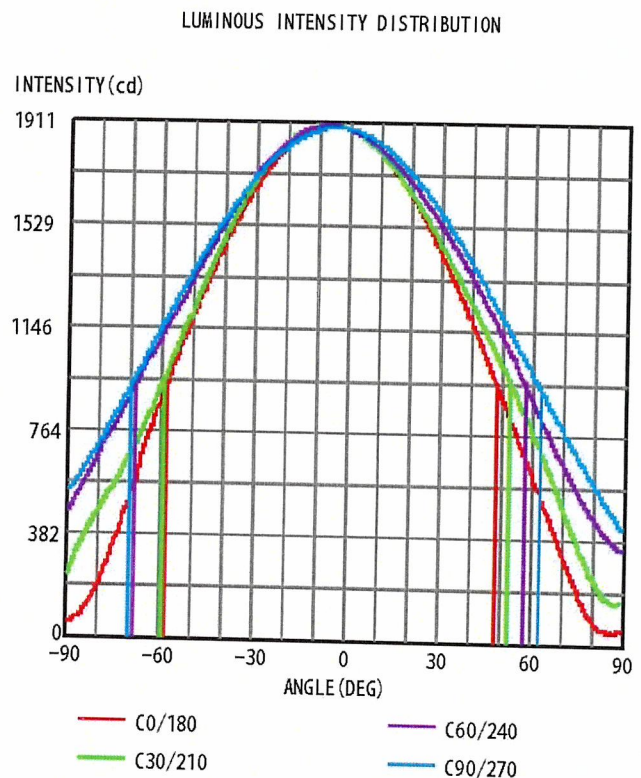
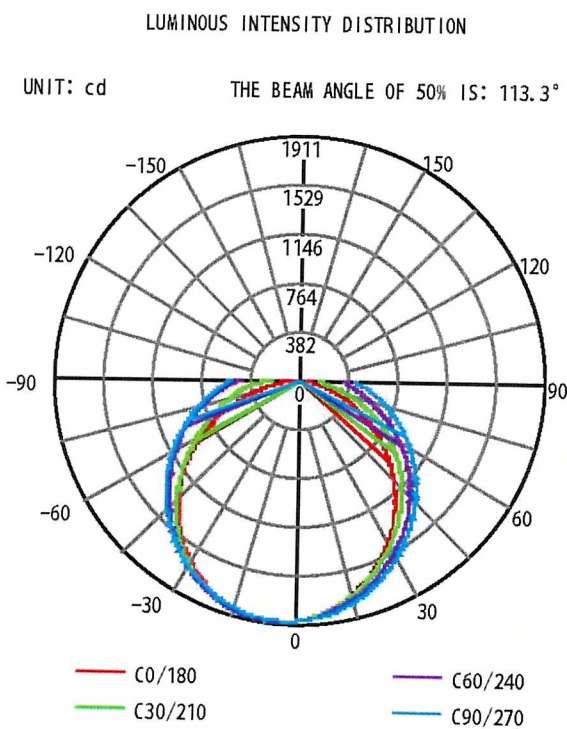


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:	ADDRESS: Cixi City, Ningbo, China		
NAME: 158	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION: 1.5m	SERIAL NO.:	

TEST DATA:					
MODEL:		Imax (cd):	1911	η street_up(%):	0.0
NOMINAL POWER (W):	55.0	MAXIMUM @ (C, γ):	32, -7.1	η street_down(%):	59.2
RATED VOLTAGE (V):	230.0	TOTAL FLUX (lm):	6133.9	η house_up(%):	0.0
NOMINAL FLUX (lm):	5500.0	EFFICIENCY (%):	111.5	η house_down(%):	52.3
SPEC FLUX (lm):	5500.0	η up (%):	0.0		
LAMPS INSIDE:	1	η down (%):	111.5		



ELECTRICAL PARAMETERS:							
VOLTAGE:	232.5V	CURRENT:	0.240A	POWER:	54.06W	PF:	0.969

TEST SYSTEM: SPL1900
 B RANGE: -90 - 90 DEG
 B INTERVAL: 30.0 DEG
 TEMPERATURE: 0.0°C

TEST SET: B-Beta (TYPE B)
 β RANGE: -90 - 90 DEG
 β INTERVAL: 1.0 DEG
 HUMIDITY: 0.0%

TEST DISTANCE: 5.7 m
 OPERATORS:
 TEST DATE:
 REMARKS:

SINOPOL GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	ADDRESS: Cixi City, Ningbo, China	
NAME: 158	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1.5m	SERIAL NO.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ (DEG)	Φ zone	Φ total
10	1808	1812	1839	1870	1895	1903	1885	1844	0-10	180	180
20	1656	1682	1734	1772	1824	1842	1822	1740	10-20	515	695
30	1446	1510	1585	1610	1671	1706	1706	1593	20-30	781	1475
40	1197	1319	1407	1384	1451	1499	1548	1407	30-40	947	2422
50	913.4	1097	1209	1148	1197	1272	1357	1193	40-50	999	3421
60	637.4	849.9	1003	920.7	874.8	1039	1145	946.4	50-60	942	4364
70	335.9	584.3	793.3	722.4	508.6	818.6	924.0	687.1	60-70	793	5157
80	96.25	362.7	595.7	517.3	195.5	595.1	712.7	457.9	70-80	586	5743
90	56.55	272.7	422.4	294.1	60.07	349.4	530.8	348.3	80-90	391	6134
100									90-100		
110									100-110		
120									110-120		
130									120-130		
140									130-140		
150									140-150		
160									150-160		
170									160-170		
180									170-180		
DEG	LUMINOUS INTENSITY: cd									UNIT: lm	

ELECTRICAL PARAMETERS:							
VOLTAGE:	232.5V	CURRENT:	0.240A	POWER:	54.06W	PF:	0.969

TEST SYSTEM: SPL1900
 B RANGE: -90 - 90 DEG
 B INTERVAL: 30.0 DEG
 TEMPERATURE: 0.0°C

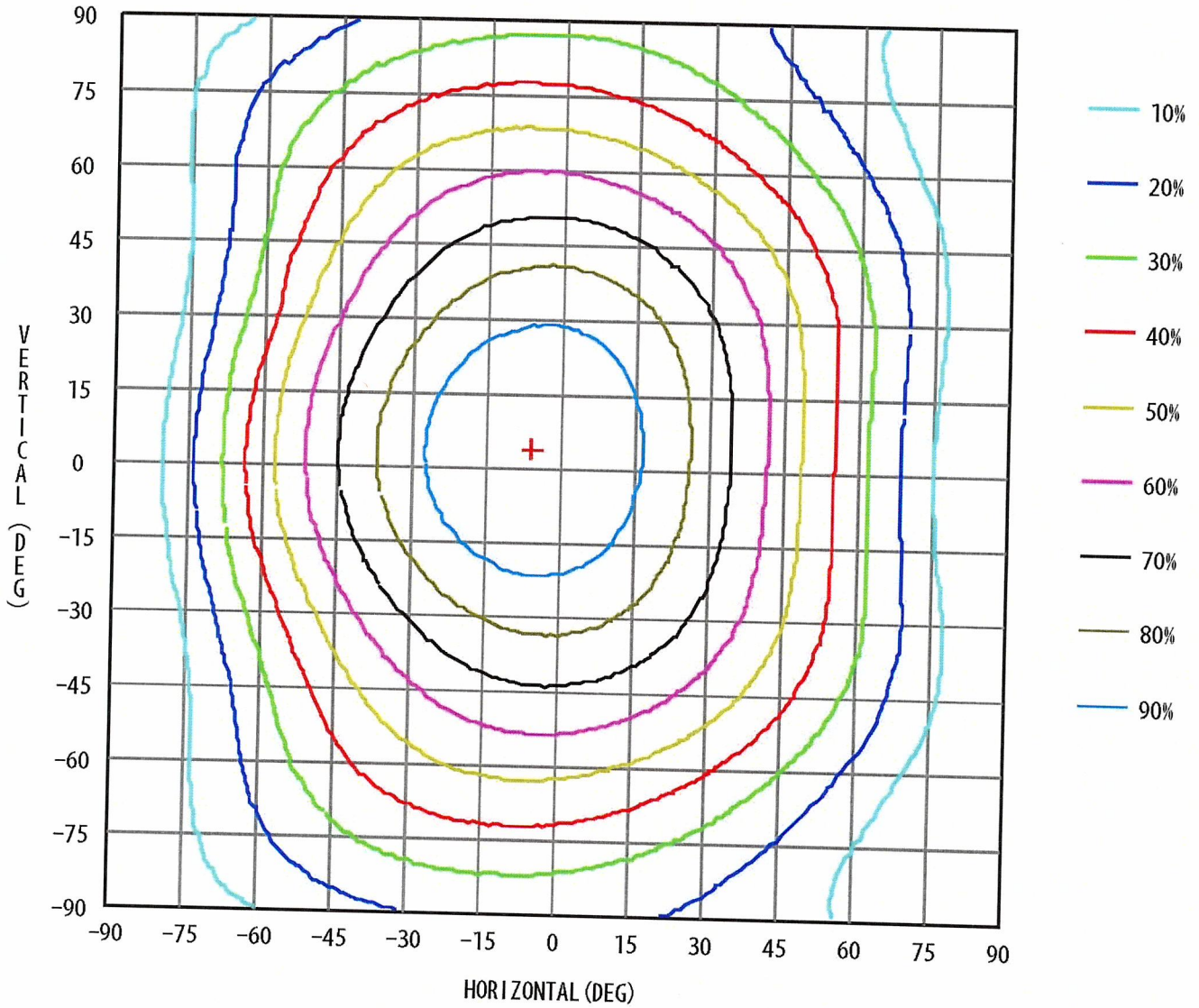
TEST SET: B-Beta (TYPE B)
 β RANGE: -90 - 90 DEG
 β INTERVAL: 1.0 DEG
 HUMIDITY: 0.0%

TEST DISTANCE: 5.7 m
 OPERATORS:
 TEST DATE:
 REMARKS:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	ADDRESS: Cixi City, Ningbo, China		
NAME: 158	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION: 1.5m	SERIAL NO. :	



ELECTRICAL PARAMETERS:							
VOLTAGE:	232.5V	CURRENT:	0.240A	POWER:	54.06W	PF:	0.969

TEST SYSTEM: SPL1900
 B RANGE: -90 - 90 DEG
 B INTERVAL: 30.0 DEG
 TEMPERATURE: 0.0°C

TEST SET: B-Beta (TYPE B)
 β RANGE: -90 - 90 DEG
 β INTERVAL: 1.0 DEG
 HUMIDITY: 0.0%

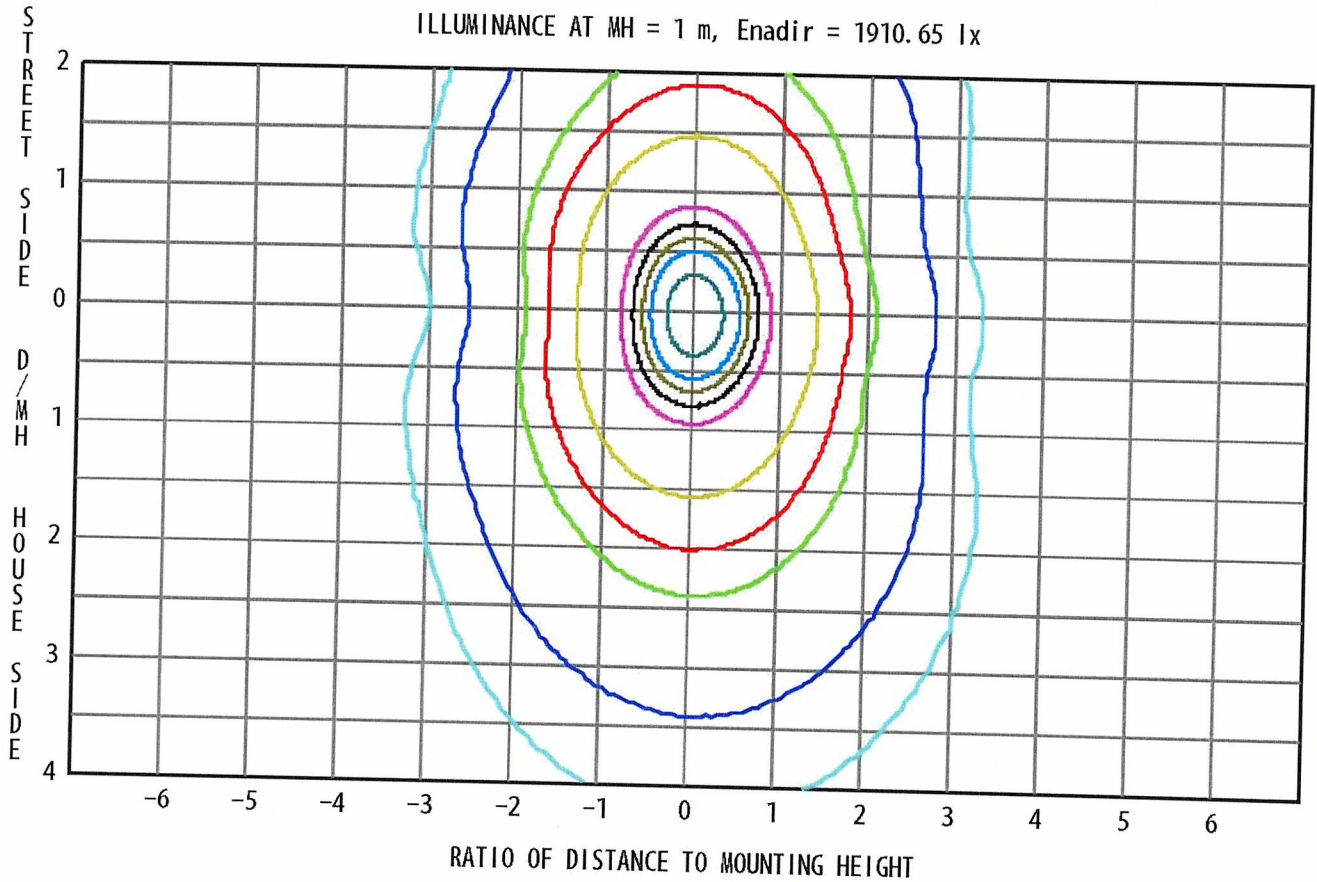
TEST DISTANCE: 5.7 m
 OPERATORS:
 TEST DATE:
 REMARKS:

SINOPOL GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	ADDRESS: Cixi City, Ningbo, China	
NAME: 158	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1.5m	SERIAL NO.:



9.55	19.1	57.3	95.5	191
573	764	955	1146	1529

ELECTRICAL PARAMETERS:

VOLTAGE:	232.5V	CURRENT:	0.240A	POWER:	54.06W	PF:	0.969
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TEST SYSTEM: SPL1900
 B RANGE: -90 - 90 DEG
 B INTERVAL: 30.0 DEG
 TEMPERATURE: 0.0°C

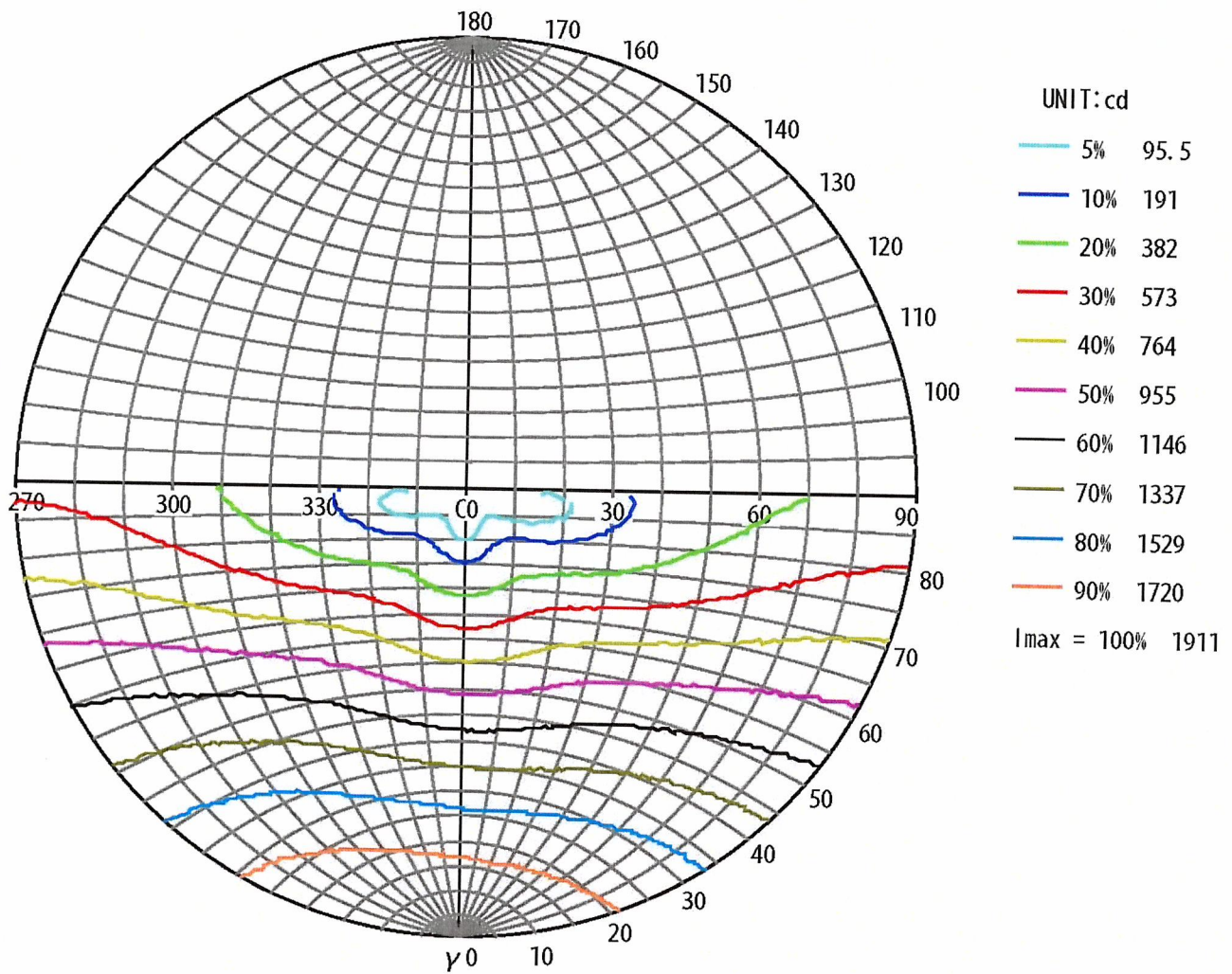
TEST SET: B-Beta (TYPE B)
 β RANGE: -90 - 90 DEG
 β INTERVAL: 1.0 DEG
 HUMIDITY: 0.0%

TEST DISTANCE: 5.7 m
 OPERATORS:
 TEST DATE:
 REMARKS:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	ADDRESS: Cixi City, Ningbo, China	
NAME: 158	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1.5m	SERIAL NO. :



ELECTRICAL PARAMETERS:							
VOLTAGE:	232.5V	CURRENT:	0.240A	POWER:	54.06W	PF:	0.969

TEST SYSTEM: SPL1900
 B RANGE: -90 - 90 DEG
 B INTERVAL: 30.0 DEG
 TEMPERATURE: 0.0°C

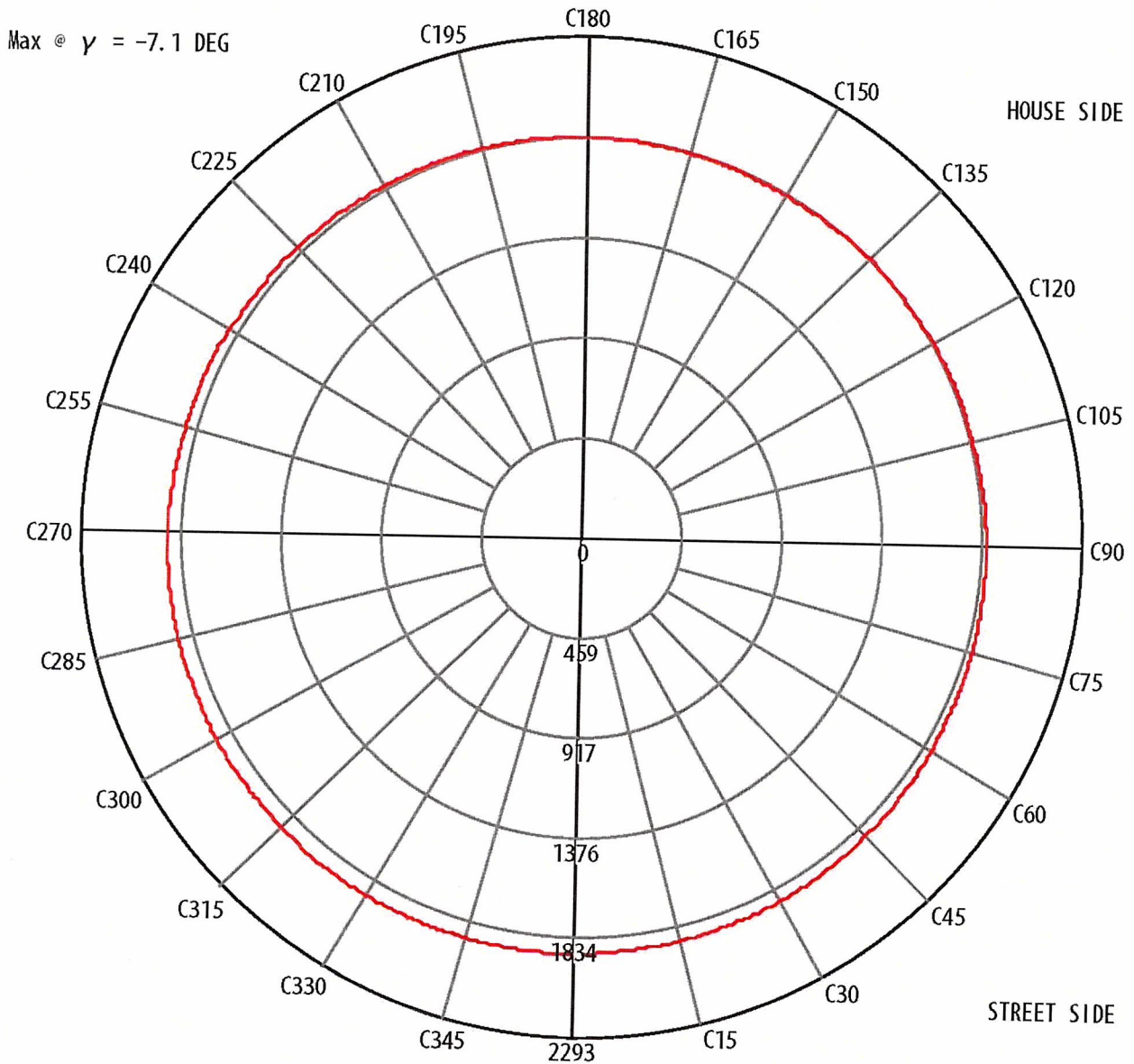
TEST SET: B-Beta (TYPE B)
 β RANGE: -90 - 90 DEG
 β INTERVAL: 1.0 DEG
 HUMIDITY: 0.0%

TEST DISTANCE: 5.7 m
 OPERATORS:
 TEST DATE:
 REMARKS:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	ADDRESS: Cixi City, Ningbo, China		
NAME: 158	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION: 1.5m	SERIAL NO.:	



ELECTRICAL PARAMETERS:							
VOLTAGE:	232.5V	CURRENT:	0.240A	POWER:	54.06W	PF:	0.969

TEST SYSTEM: SPL1900
 B RANGE: -90 - 90 DEG
 B INTERVAL: 30.0 DEG
 TEMPERATURE: 0.0°C

TEST SET: B-Beta (TYPE B)
 β RANGE: -90 - 90 DEG
 β INTERVAL: 1.0 DEG
 HUMIDITY: 0.0%

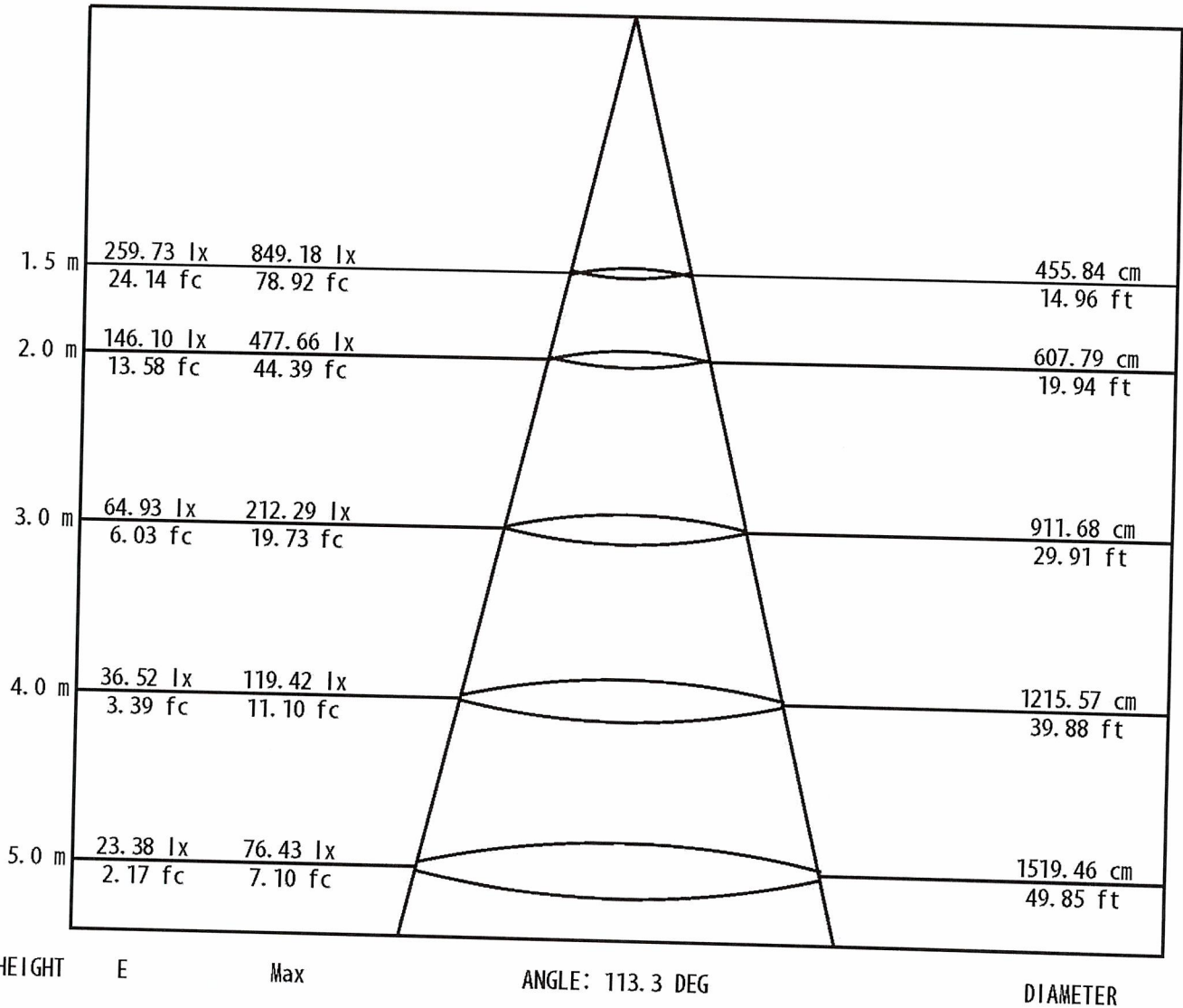
TEST DISTANCE: 5.7 m
 OPERATORS:
 TEST DATE:
 REMARKS:

SINOPOL GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE E FIGURE

Report number:

MANUFACTURER:	ADDRESS: Cixi City, Ningbo, China		
NAME: 158	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION: 1.5m	SERIAL NO. :	



ELECTRICAL PARAMETERS:							
VOLTAGE:	232.5V	CURRENT:	0.240A	POWER:	54.06W	PF:	0.969

TEST SYSTEM: SPL1900
 B RANGE: -90 - 90 DEG
 B INTERVAL: 30.0 DEG
 TEMPERATURE: 0.0°C

TEST SET: B-Beta (TYPE B)
 β RANGE: -90 - 90 DEG
 β INTERVAL: 1.0 DEG
 HUMIDITY: 0.0%

TEST DISTANCE: 5.7 m
 OPERATORS:
 TEST DATE:
 REMARKS:

SINOPOL GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	ADDRESS: Cixi City, Ningbo, China		
NAME: 158	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION: 1.5m	SERIAL NO. :	

UNIT:cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891
5	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
10	1880	1880	1880	1880	1880	1880	1880	1880	1878	1878	1878	1878	1878	1879	1879
15	1878	1878	1878	1878	1878	1877	1877	1877	1877	1877	1877	1877	1877	1877	1877
20	1865	1865	1865	1865	1863	1863	1863	1863	1863	1863	1865	1863	1863	1863	1863
25	1860	1860	1860	1859	1859	1859	1859	1859	1859	1858	1858	1858	1858	1858	1858
30	1848	1848	1848	1846	1846	1846	1846	1846	1846	1846	1846	1846	1845	1846	1846
35	1841	1841	1841	1839	1839	1839	1839	1839	1839	1839	1839	1837	1838	1838	1838
40	1831	1831	1830	1830	1830	1830	1829	1830	1830	1828	1828	1828	1829	1828	1828
45	1820	1820	1819	1819	1819	1818	1818	1819	1817	1817	1819	1817	1817	1817	1818
50	1807	1807	1806	1806	1806	1804	1805	1805	1804	1804	1804	1804	1804	1803	1803
55	1797	1797	1795	1795	1794	1794	1795	1794	1794	1794	1794	1794	1792	1793	1793
60	1780	1780	1779	1779	1778	1778	1778	1778	1778	1777	1778	1777	1778	1778	1778
65	1770	1770	1768	1768	1767	1768	1767	1767	1765	1766	1765	1765	1765	1764	1765
70	1757	1757	1756	1756	1755	1757	1755	1755	1754	1756	1754	1756	1754	1755	1753
75	1735	1734	1734	1733	1733	1733	1733	1732	1732	1732	1732	1733	1733	1733	1736
80	1727	1726	1726	1724	1724	1724	1724	1723	1722	1722	1720	1721	1720	1720	1719
85	1705	1704	1704	1703	1703	1704	1703	1703	1704	1704	1704	1703	1705	1703	1706
90	1689	1687	1687	1686	1685	1686	1685	1683	1685	1683	1685	1683	1683	1684	1684

ELECTRICAL PARAMETERS:							
VOLTAGE:	232.5V	CURRENT:	0.240A	POWER:	54.06W	PF:	0.969

TEST SYSTEM: SPL1900
 B RANGE: -90 - 90 DEG
 B INTERVAL: 30.0 DEG
 TEMPERATURE: 0.0°C

TEST SET: B-Beta(TYPE B)
 β RANGE: -90 - 90 DEG
 β INTERVAL: 1.0 DEG
 HUMIDITY: 0.0%

TEST DISTANCE: 5.7 m
 OPERATORS:
 TEST DATE:
 REMARKS:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	ADDRESS: Cixi City, Ningbo, China		
NAME: 158	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION: 1.5m	SERIAL NO. :	

UNIT:cd

C (DEG) γ (DEG)	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891
5	1883	1883	1883	1883	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884
10	1879	1879	1879	1879	1879	1879	1879	1879	1879	1878	1878	1878	1878	1878	1878
15	1876	1876	1876	1876	1876	1876	1876	1876	1876	1876	1877	1875	1875	1875	1875
20	1863	1864	1864	1864	1863	1863	1864	1864	1864	1864	1864	1866	1864	1864	1866
25	1857	1857	1857	1857	1858	1858	1856	1856	1856	1856	1856	1857	1857	1855	1855
30	1846	1846	1846	1846	1846	1847	1847	1845	1847	1847	1847	1848	1848	1849	1848
35	1836	1837	1837	1837	1835	1835	1836	1836	1837	1835	1835	1835	1835	1836	1834
40	1829	1829	1828	1828	1828	1827	1827	1828	1828	1827	1828	1828	1828	1828	1826
45	1817	1818	1818	1816	1817	1817	1818	1817	1817	1818	1816	1817	1818	1817	1817
50	1803	1803	1803	1804	1802	1804	1805	1803	1804	1806	1804	1805	1806	1807	1806
55	1792	1792	1791	1791	1792	1791	1791	1792	1791	1792	1792	1791	1791	1792	1792
60	1778	1778	1778	1778	1780	1780	1779	1781	1782	1781	1781	1780	1781	1782	1780
65	1764	1764	1763	1763	1762	1763	1764	1764	1764	1763	1764	1764	1765	1767	1768
70	1755	1754	1754	1753	1754	1752	1752	1751	1752	1750	1751	1752	1751	1752	1751
75	1734	1736	1737	1739	1737	1739	1739	1741	1740	1742	1740	1741	1741	1742	1740
80	1720	1718	1716	1717	1716	1717	1717	1719	1718	1721	1720	1725	1725	1727	1726
85	1706	1706	1708	1707	1709	1708	1706	1707	1705	1706	1704	1705	1704	1705	1706
90	1682	1684	1684	1686	1686	1686	1688	1690	1693	1692	1692	1695	1694	1696	1693

ELECTRICAL PARAMETERS:							
VOLTAGE:	232.5V	CURRENT:	0.240A	POWER:	54.06W	PF:	0.969

TEST SYSTEM: SPL1900	TEST SET: B-Beta(TYPE B)	TEST DISTANCE: 5.7 m
B RANGE: -90 - 90 DEG	β RANGE: -90 - 90 DEG	OPERATORS:
B INTERVAL: 30.0 DEG	β INTERVAL: 1.0 DEG	TEST DATE:
TEMPERATURE: 0.0°C	HUMIDITY: 0.0%	REMARKS:

SINOPOL GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	ADDRESS: Cixi City, Ningbo, China	
NAME: 158	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1.5m	SERIAL NO.:

UNIT:cd

C(DEG) γ (DEG)	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891
5	1884	1884	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
10	1878	1878	1878	1878	1878	1878	1878	1878	1878	1877	1877	1877	1877	1877	1878
15	1875	1875	1876	1876	1876	1876	1874	1874	1874	1874	1874	1874	1874	1874	1874
20	1866	1867	1867	1867	1868	1866	1868	1868	1868	1869	1869	1870	1870	1871	1869
25	1856	1856	1856	1856	1855	1855	1855	1855	1856	1856	1858	1856	1857	1857	1858
30	1849	1850	1850	1849	1849	1849	1849	1850	1850	1848	1849	1849	1849	1849	1850
35	1835	1836	1837	1835	1837	1838	1838	1839	1838	1840	1840	1841	1842	1841	1842
40	1828	1828	1826	1826	1827	1828	1828	1826	1827	1827	1828	1827	1828	1829	1831
45	1818	1819	1818	1819	1819	1819	1818	1819	1819	1820	1818	1818	1819	1819	1817
50	1808	1808	1806	1807	1809	1807	1808	1809	1810	1808	1810	1811	1812	1810	1810
55	1793	1795	1794	1795	1796	1795	1796	1798	1797	1798	1799	1798	1799	1801	1802
60	1781	1782	1780	1782	1781	1782	1783	1781	1784	1785	1784	1786	1788	1790	1788
65	1770	1769	1770	1771	1771	1772	1772	1771	1772	1770	1772	1773	1772	1773	1776
70	1752	1751	1754	1756	1755	1758	1757	1760	1762	1761	1762	1760	1761	1763	1761
75	1741	1739	1740	1739	1740	1742	1741	1743	1742	1745	1746	1747	1750	1750	1752
80	1730	1728	1730	1728	1730	1729	1729	1728	1729	1730	1729	1732	1732	1735	1735
85	1708	1709	1712	1713	1718	1716	1719	1718	1720	1718	1719	1717	1719	1717	1720
90	1695	1692	1691	1693	1693	1695	1696	1701	1702	1706	1705	1707	1705	1707	1709

ELECTRICAL PARAMETERS:							
VOLTAGE:	232.5V	CURRENT:	0.240A	POWER:	54.06W	PF:	0.969

TEST SYSTEM: SPL1900
 B RANGE: -90 - 90 DEG
 B INTERVAL: 30.0 DEG
 TEMPERATURE: 0.0°C

TEST SET: B-Beta(TYPE B)
 β RANGE: -90 - 90 DEG
 β INTERVAL: 1.0 DEG
 HUMIDITY: 0.0%

TEST DISTANCE: 5.7 m
 OPERATORS:
 TEST DATE:
 REMARKS:

SINOPOL GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	ADDRESS: Cixi City, Ningbo, China		
NAME: 158	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION: 1.5m	SERIAL NO.:	

UNIT:cd

γ (DEG) \ C (DEG)	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891
5	1885	1885	1885	1885	1884	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885
10	1878	1878	1878	1878	1878	1878	1878	1879	1879	1879	1880	1880	1880	1880	1880
15	1874	1874	1874	1874	1872	1872	1872	1873	1873	1873	1873	1873	1873	1873	1874
20	1869	1869	1870	1870	1870	1870	1870	1870	1870	1870	1868	1868	1868	1868	1868
25	1860	1860	1861	1862	1860	1861	1863	1863	1864	1864	1864	1865	1865	1865	1863
30	1848	1848	1848	1849	1850	1850	1851	1852	1851	1853	1854	1854	1855	1856	1858
35	1843	1843	1843	1843	1841	1842	1842	1842	1843	1843	1844	1842	1843	1845	1846
40	1832	1831	1832	1833	1835	1836	1837	1834	1835	1835	1836	1836	1837	1834	1835
45	1818	1819	1820	1821	1820	1821	1824	1825	1826	1824	1827	1828	1828	1829	1830
50	1811	1812	1810	1810	1811	1812	1810	1811	1812	1813	1816	1814	1817	1818	1820
55	1799	1801	1802	1804	1801	1802	1803	1804	1801	1802	1803	1805	1802	1804	1807
60	1789	1791	1789	1791	1793	1794	1792	1793	1794	1792	1793	1793	1794	1796	1794
65	1774	1777	1779	1780	1779	1781	1783	1781	1782	1784	1786	1783	1784	1785	1786
70	1763	1764	1763	1765	1768	1767	1768	1771	1769	1771	1773	1775	1772	1774	1775
75	1753	1750	1752	1750	1752	1754	1753	1755	1758	1760	1760	1762	1764	1761	1763
80	1738	1741	1740	1741	1743	1740	1742	1744	1743	1746	1748	1747	1750	1752	1750
85	1723	1722	1726	1725	1728	1732	1729	1731	1733	1730	1732	1736	1734	1738	1740
90	1707	1708	1707	1711	1710	1713	1718	1717	1720	1721	1719	1720	1723	1722	1724

ELECTRICAL PARAMETERS:							
VOLTAGE:	232.5V	CURRENT:	0.240A	POWER:	54.06W	PF:	0.969

TEST SYSTEM: SPL1900	TEST SET: B-Beta(TYPE B)	TEST DISTANCE: 5.7 m
B RANGE: -90 - 90 DEG	β RANGE: -90 - 90 DEG	OPERATORS:
B INTERVAL: 30.0 DEG	β INTERVAL: 1.0 DEG	TEST DATE:
TEMPERATURE: 0.0°C	HUMIDITY: 0.0%	REMARKS:

SINOPOL GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	ADDRESS: Cixi City, Ningbo, China		
NAME: 158	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION: 1.5m	SERIAL NO. :	

UNIT:cd

γ (DEG) \ C (DEG)	300	305	310	315	320	325	330	335	340	345	350	355				
0	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891				
5	1885	1885	1885	1885	1886	1886	1886	1886	1886	1886	1886	1887				
10	1880	1880	1879	1879	1879	1880	1880	1880	1881	1881	1881	1881				
15	1874	1874	1874	1874	1875	1875	1875	1873	1874	1874	1875	1875				
20	1868	1868	1868	1869	1869	1869	1869	1869	1870	1870	1868	1869				
25	1863	1863	1863	1863	1864	1864	1864	1864	1864	1864	1864	1865				
30	1859	1857	1857	1858	1858	1858	1858	1858	1858	1859	1859	1859				
35	1847	1848	1850	1851	1849	1850	1851	1852	1852	1852	1853	1853				
40	1835	1836	1839	1840	1841	1839	1842	1843	1844	1844	1845	1846				
45	1827	1828	1828	1829	1830	1831	1834	1831	1832	1835	1836	1838				
50	1821	1819	1819	1820	1820	1821	1822	1823	1822	1823	1825	1827				
55	1808	1811	1813	1810	1812	1812	1813	1814	1814	1812	1814	1815				
60	1794	1797	1799	1802	1800	1803	1803	1804	1805	1806	1803	1804				
65	1783	1784	1786	1788	1790	1788	1792	1794	1795	1796	1797	1794				
70	1777	1773	1774	1776	1777	1779	1778	1781	1783	1785	1787	1783				
75	1765	1767	1763	1765	1766	1767	1765	1767	1769	1773	1775	1777				
80	1753	1754	1756	1753	1755	1755	1757	1753	1756	1758	1762	1765				
85	1739	1742	1743	1746	1742	1744	1745	1746	1743	1745	1748	1751				
90	1728	1727	1730	1732	1729	1732	1733	1735	1731	1732	1734	1736				

ELECTRICAL PARAMETERS:							
VOLTAGE:	232.5V	CURRENT:	0.240A	POWER:	54.06W	PF:	0.969

TEST SYSTEM: SPL1900
 B RANGE: -90 - 90 DEG
 B INTERVAL: 30.0 DEG
 TEMPERATURE: 0.0°C

TEST SET: B-Beta(TYPE B)
 β RANGE: -90 - 90 DEG
 β INTERVAL: 1.0 DEG
 HUMIDITY: 0.0%

TEST DISTANCE: 5.7 m
 OPERATORS:
 TEST DATE:
 REMARKS: