

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P563537

Luminaire Tested: **4NWS3C3-NUV-HI-3500K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s22030032e-01)
Test Lab: INNOVATION CENTER
Issue Date: 7/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4NWS3C3-NUV-HI-3500K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND HI LUMEN SETTING
Light Source: -
Ballast/Driver:

Summary

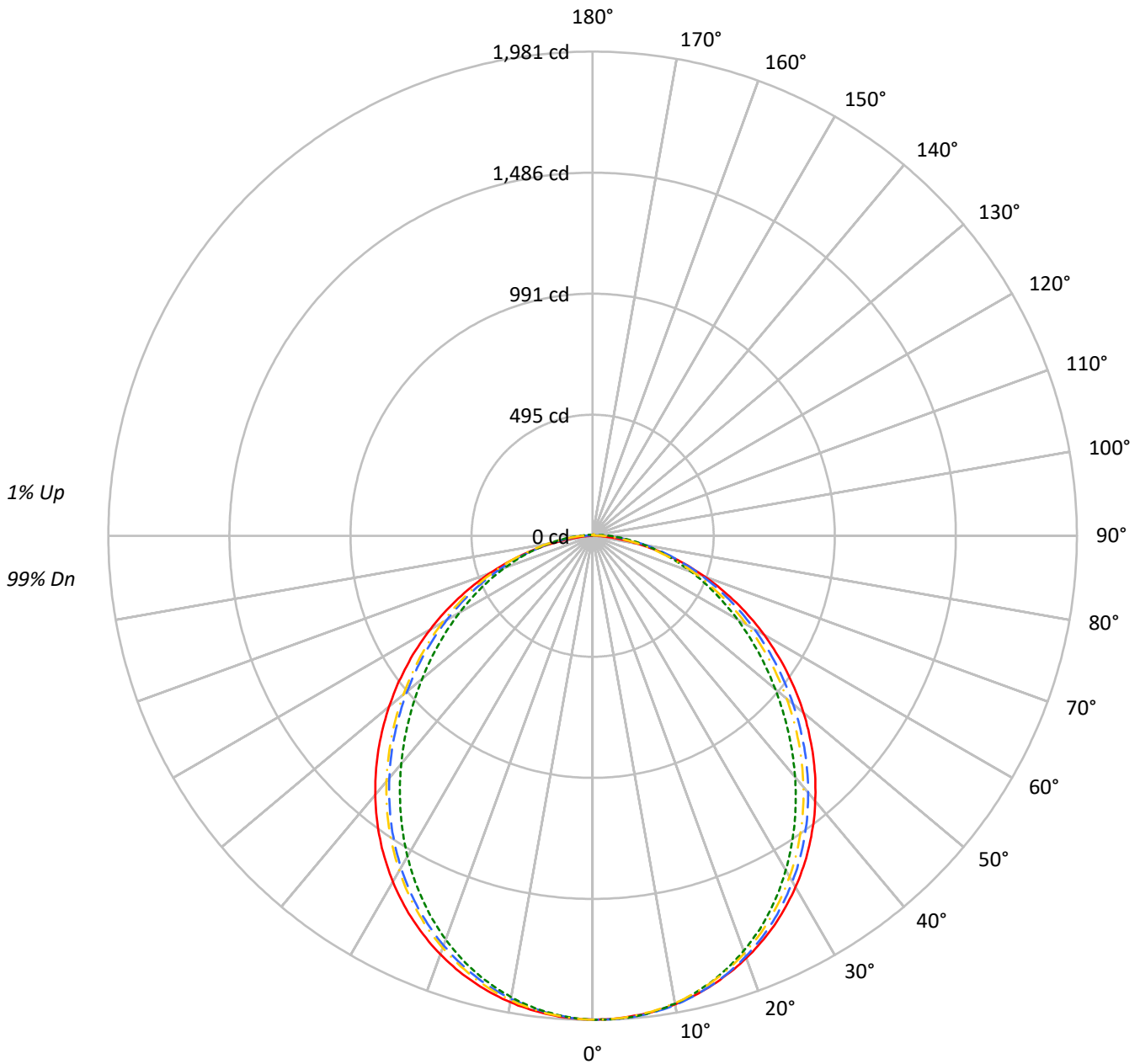
Lumens per Lamp: N/A
Luminaire Lumens: 5162.0 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.17 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 42.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	89	87	85				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	73	67	63	70	65	61				59																
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53				51																
5	77	64	55	48	74	63	54	48	60	53	48	58	52	47	56	51	46				44																
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41				39																
7	66	52	44	38	64	52	43	37	50	43	37	48	42	37	47	41	36				35																
8	61	48	39	34	60	47	39	34	46	38	33	44	38	33	43	37	33				31																
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30				28																
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27				25																

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12035	12035	12035	12035
5°	12006	11853	11984	11766
10°	11968	11616	11916	11456
15°	11901	11311	11820	11078
20°	11803	10940	11698	10643
25°	11680	10509	11535	10141
30°	11514	10006	11332	9592
35°	11304	9443	11086	8987
40°	11046	8832	10788	8349
45°	10747	8188	10438	7690
50°	10392	7535	10026	7036
55°	9975	6908	9551	6396
60°	9501	6284	9002	5767
65°	8929	5649	8341	5129
70°	8202	5013	7497	4470
75°	7237	4351	6356	3764
80°	5850	3639	4760	3020
85°	3743	2907	2401	2310



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.9	3.6
10°-20°	530.4	10.3
20°-30°	787.7	15.3
30°-40°	918.1	17.8
40°-50°	908.9	17.6
50°-60°	780.6	15.1
60°-70°	571.3	11.1
70°-80°	324.3	6.3
80°-90°	108.0	2.1
90°-100°	19.6	0.4
100°-110°	8.3	0.2
110°-120°	4.9	0.1
120°-130°	3.5	0.1
130°-140°	3.1	0.1
140°-150°	2.9	0.1
150°-160°	2.0	0.0
160°-170°	1.1	0.0
170°-180°	0.4	0.0
0°-30°	1504.9	29.2
0°-40°	2423.1	46.9
0°-60°	4112.6	79.7
0°-90°	5116.2	99.1
90°-120°	32.7	0.6
90°-150°	42.3	0.8
90°-180°	46.0	0.9
0°-180°	5162.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1980	1980	1980	1980	1980	
5°	1971	1974	1968	1960	1971	187
15°	1902	1888	1889	1849	1902	536
25°	1758	1704	1736	1644	1758	810
35°	1546	1440	1516	1370	1546	966
45°	1276	1131	1239	1062	1276	984
55°	969	826	928	765	969	866
65°	648	551	606	500	648	642
75°	332	315	292	272	332	352
85°	66	131	43	104	66	79
90°	4	69	1	53	4	3
95°	0	34	1	28	0	1
105°	2	12	3	16	2	2
115°	2	5	4	11	2	2
125°	3	3	4	6	3	2
135°	3	4	4	3	3	2
145°	3	5	4	5	3	2
155°	2	5	4	5	2	1
165°	2	4	3	5	2	1
175°	4	4	4	4	4	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9
0.5°	1979.4	1979.5	1979.6	1979.8	1980.0	1980.1	1980.2	1980.3	1980.4	1980.4	1980.3
1°	1979.2	1979.4	1979.7	1980.1	1980.4	1980.5	1980.6	1980.5	1979.9	1979.2	1979.7
1.5°	1979.2	1980.0	1980.1	1979.4	1979.1	1979.3	1980.1	1980.6	1979.9	1980.8	1981.0
2°	1978.9	1979.4	1979.5	1979.4	1979.8	1980.4	1980.9	1980.9	1979.8	1979.9	1980.3
2.5°	1978.1	1978.6	1978.7	1978.8	1978.9	1978.3	1978.6	1978.3	1980.4	1979.2	1978.3
3°	1976.7	1977.1	1978.0	1978.4	1978.9	1979.0	1979.4	1979.8	1979.1	1978.9	1978.9
3.5°	1975.4	1976.4	1977.2	1978.7	1978.1	1978.5	1978.6	1978.0	1978.6	1977.3	1976.7
4°	1974.6	1976.3	1975.8	1977.6	1977.1	1977.5	1977.3	1977.0	1976.0	1978.1	1976.3
4.5°	1972.4	1974.0	1974.6	1975.8	1976.8	1976.6	1975.8	1976.7	1976.0	1976.1	1974.2
5°	1971.2	1972.7	1973.3	1974.0	1975.2	1975.1	1973.4	1974.1	1974.6	1974.5	1972.9
5.5°	1969.9	1971.4	1972.1	1972.5	1973.1	1972.5	1971.9	1971.9	1972.7	1972.3	1970.4
6°	1968.3	1969.6	1970.0	1971.0	1971.9	1971.0	1970.6	1970.0	1970.2	1969.6	1967.6
6.5°	1966.2	1967.8	1968.2	1968.8	1969.9	1969.0	1969.2	1967.9	1967.9	1967.7	1965.6
7°	1964.3	1965.1	1966.8	1966.3	1966.4	1965.3	1967.0	1965.2	1964.9	1964.8	1963.2
7.5°	1961.5	1962.5	1963.9	1965.0	1964.8	1963.9	1963.3	1962.6	1961.8	1960.3	1960.4
8°	1959.5	1959.5	1961.7	1962.0	1961.9	1961.1	1960.4	1959.9	1959.1	1958.1	1957.5
8.5°	1955.8	1956.2	1959.1	1958.6	1959.1	1958.6	1957.4	1956.6	1955.4	1954.6	1953.1
9°	1953.6	1955.4	1955.6	1956.4	1956.4	1955.6	1953.6	1953.2	1951.7	1952.3	1949.4
9.5°	1950.1	1951.8	1953.2	1952.8	1953.2	1951.4	1949.2	1949.2	1948.2	1946.3	1945.6
10°	1946.1	1948.4	1949.5	1949.6	1949.3	1948.0	1945.8	1944.4	1943.8	1944.2	1942.2
10.5°	1942.6	1944.4	1946.2	1946.4	1945.5	1944.0	1941.5	1940.1	1939.3	1939.0	1937.4
11°	1938.5	1939.8	1942.1	1942.2	1941.5	1940.6	1936.6	1936.1	1935.7	1934.3	1932.8
11.5°	1934.3	1936.9	1937.9	1938.4	1936.7	1936.1	1932.3	1931.9	1930.5	1929.6	1927.9
12°	1930.3	1932.6	1934.4	1934.6	1932.7	1931.1	1928.4	1926.8	1924.1	1924.6	1921.8
12.5°	1926.5	1928.3	1930.0	1930.1	1927.6	1926.6	1923.6	1921.6	1919.3	1918.7	1917.2
13°	1921.9	1924.4	1925.8	1925.1	1922.2	1921.8	1918.1	1916.4	1914.2	1912.2	1911.5
13.5°	1916.8	1919.8	1921.2	1920.6	1917.6	1916.6	1911.6	1910.2	1908.3	1906.1	1904.3
14°	1912.0	1914.9	1916.0	1916.2	1912.4	1910.2	1906.7	1904.2	1902.2	1899.6	1898.8
14.5°	1907.2	1909.9	1911.0	1911.0	1906.5	1905.0	1901.6	1898.0	1894.8	1894.1	1891.6
15°	1901.7	1904.9	1905.6	1905.1	1901.7	1899.4	1894.9	1891.7	1888.8	1887.7	1886.1
15.5°	1896.6	1899.6	1899.7	1898.9	1896.4	1893.5	1887.8	1885.7	1881.9	1881.0	1878.6
16°	1890.5	1894.2	1894.7	1893.4	1889.9	1886.7	1881.7	1878.6	1875.6	1873.2	1871.0
16.5°	1883.7	1888.4	1889.3	1887.8	1883.6	1880.1	1874.6	1871.0	1868.1	1865.1	1864.4
17°	1877.4	1882.6	1882.6	1881.9	1877.9	1873.5	1867.9	1863.5	1860.0	1858.5	1857.5
17.5°	1872.2	1876.0	1876.5	1875.1	1871.2	1866.3	1859.6	1856.1	1851.8	1850.9	1848.8
18°	1866.4	1869.4	1870.4	1868.5	1864.0	1859.3	1852.8	1848.3	1844.1	1841.9	1841.0
18.5°	1859.2	1863.8	1864.3	1862.2	1857.2	1852.1	1844.9	1840.0	1836.5	1833.6	1832.5
19°	1852.2	1857.4	1857.9	1854.9	1850.3	1844.3	1837.7	1831.8	1827.6	1824.9	1824.5
19.5°	1845.3	1849.9	1850.2	1847.7	1842.5	1836.0	1828.9	1823.6	1818.4	1817.2	1814.1
20°	1838.4	1842.6	1842.6	1840.3	1834.9	1828.0	1820.0	1814.5	1809.9	1806.6	1805.8
20.5°	1831.3	1835.8	1835.6	1832.8	1827.3	1820.3	1811.5	1805.3	1801.0	1797.7	1796.2
21°	1824.3	1828.6	1828.2	1825.0	1818.6	1811.6	1803.3	1796.2	1791.9	1787.8	1787.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1800.1	1804.6	1805.0	1800.5	1793.9	1785.3	1775.6	1767.8	1762.1	1758.8	1756.7
23°	1792.9	1796.7	1796.3	1792.1	1785.2	1776.4	1766.2	1757.9	1751.6	1749.4	1746.9
23.5°	1783.9	1788.6	1788.1	1783.6	1776.4	1766.7	1756.7	1747.3	1741.0	1737.8	1736.1
24°	1775.3	1780.2	1779.9	1774.5	1766.9	1757.3	1745.8	1736.9	1730.3	1727.1	1725.7
24.5°	1767.2	1771.4	1770.8	1765.8	1757.1	1747.2	1736.9	1726.9	1719.4	1715.9	1714.0
25°	1758.4	1763.1	1761.6	1756.6	1748.1	1737.1	1726.3	1716.1	1708.3	1703.9	1703.1
25.5°	1749.0	1753.7	1752.7	1747.1	1739.2	1727.1	1715.3	1704.9	1697.4	1693.1	1691.3
26°	1739.8	1743.7	1743.3	1736.9	1729.2	1716.3	1704.1	1693.2	1685.1	1680.3	1680.1
26.5°	1730.2	1734.8	1732.8	1727.9	1718.0	1705.7	1692.8	1682.0	1673.7	1669.3	1667.6
27°	1720.6	1725.9	1723.3	1717.3	1707.6	1695.2	1681.8	1670.4	1661.9	1656.4	1656.3
27.5°	1711.1	1716.1	1714.2	1706.9	1697.2	1683.8	1671.5	1658.4	1648.7	1645.1	1643.8
28°	1700.8	1706.2	1704.5	1697.1	1686.6	1672.8	1658.4	1646.8	1637.0	1632.3	1630.7
28.5°	1690.8	1696.0	1694.3	1687.0	1676.3	1661.9	1646.9	1634.7	1623.8	1618.4	1617.8
29°	1681.5	1686.0	1684.0	1676.2	1664.6	1650.1	1635.4	1622.1	1612.5	1606.9	1605.4
29.5°	1671.1	1676.0	1673.2	1665.9	1653.5	1638.6	1623.8	1609.5	1598.2	1593.5	1593.5
30°	1660.1	1664.4	1662.6	1654.1	1642.2	1626.5	1610.7	1596.8	1585.7	1579.9	1580.4
30.5°	1649.7	1653.9	1651.7	1643.8	1630.7	1614.1	1598.3	1583.9	1571.3	1566.9	1566.0
31°	1639.1	1643.8	1640.5	1632.8	1619.6	1602.5	1585.2	1570.6	1559.3	1553.7	1552.2
31.5°	1628.0	1632.9	1629.6	1620.7	1607.8	1590.6	1572.4	1557.0	1545.6	1539.6	1538.2
32°	1616.0	1620.8	1617.9	1608.6	1595.2	1577.4	1559.7	1544.1	1531.9	1525.3	1524.9
32.5°	1604.6	1609.3	1606.5	1596.5	1582.9	1564.7	1546.8	1530.8	1519.1	1511.4	1511.1
33°	1593.6	1598.2	1594.7	1585.5	1570.6	1552.4	1533.9	1516.8	1504.8	1497.7	1497.4
33.5°	1581.8	1586.3	1583.0	1573.7	1558.6	1539.6	1520.5	1503.5	1490.1	1483.1	1482.7
34°	1569.5	1574.9	1571.1	1561.0	1546.1	1526.0	1506.3	1489.1	1475.9	1468.5	1468.4
34.5°	1557.1	1562.7	1559.0	1548.7	1533.5	1512.8	1492.5	1474.1	1461.2	1454.4	1453.6
35°	1545.5	1550.7	1547.2	1536.5	1520.2	1499.5	1479.0	1460.1	1446.1	1439.6	1439.4
35.5°	1533.6	1538.2	1535.3	1524.1	1506.9	1485.7	1464.9	1446.0	1431.6	1425.1	1424.6
36°	1521.1	1526.5	1521.8	1511.4	1494.2	1472.2	1451.0	1431.6	1416.6	1410.4	1409.7
36.5°	1508.3	1513.2	1509.4	1497.8	1481.3	1458.9	1436.9	1416.7	1402.0	1394.6	1395.3
37°	1495.9	1500.3	1496.5	1485.1	1467.7	1445.3	1422.8	1402.6	1386.4	1379.7	1380.1
37.5°	1483.7	1487.3	1483.5	1472.2	1454.0	1431.2	1408.1	1387.6	1371.9	1364.6	1364.8
38°	1471.6	1474.5	1471.1	1458.4	1440.4	1416.9	1393.4	1372.7	1357.2	1349.1	1348.9
38.5°	1457.8	1461.5	1456.8	1445.0	1426.3	1402.7	1378.8	1357.4	1342.1	1334.8	1334.1
39°	1443.7	1448.4	1443.8	1431.4	1412.5	1388.6	1364.4	1342.5	1327.2	1318.8	1318.2
39.5°	1429.8	1435.5	1430.5	1418.0	1398.2	1373.7	1349.7	1327.4	1311.1	1303.8	1303.7
40°	1416.3	1421.6	1417.2	1403.5	1384.2	1358.9	1334.1	1312.4	1295.7	1288.1	1288.2
40.5°	1403.5	1407.8	1403.6	1390.1	1369.9	1344.6	1319.2	1296.9	1279.9	1272.4	1271.9
41°	1389.9	1394.0	1389.7	1375.9	1355.5	1329.6	1304.3	1281.8	1264.6	1257.0	1256.1
41.5°	1375.7	1379.9	1375.2	1362.1	1341.1	1315.0	1288.7	1265.9	1248.2	1240.9	1240.8
42°	1362.2	1366.8	1361.6	1347.2	1327.0	1300.5	1274.5	1250.8	1233.5	1226.1	1224.9
42.5°	1348.6	1352.7	1347.4	1333.7	1311.5	1285.3	1259.1	1235.5	1217.9	1209.9	1209.3
43°	1334.3	1338.4	1333.2	1318.3	1296.9	1270.1	1243.6	1219.7	1202.2	1194.6	1193.9
43.5°	1319.4	1324.3	1318.6	1304.5	1282.9	1255.2	1228.0	1204.2	1186.3	1178.4	1178.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	1276.1	1280.5	1274.9	1259.8	1238.2	1209.5	1182.0	1157.4	1139.2	1131.1	1130.9
45.5°	1261.9	1266.0	1260.1	1244.8	1222.4	1194.2	1166.6	1141.7	1124.0	1115.1	1115.2
46°	1246.7	1251.3	1245.5	1230.0	1207.2	1178.7	1150.6	1126.2	1108.9	1098.8	1099.8
46.5°	1231.2	1235.9	1230.3	1214.9	1192.0	1163.2	1134.8	1110.6	1092.3	1084.2	1084.4
47°	1216.2	1221.4	1216.2	1199.9	1177.1	1147.8	1119.4	1094.7	1076.4	1068.5	1068.1
47.5°	1201.7	1206.1	1200.8	1185.5	1162.2	1132.6	1104.4	1078.6	1060.9	1052.9	1052.4
48°	1187.1	1191.3	1185.5	1170.5	1147.2	1117.0	1088.8	1063.4	1045.8	1036.7	1037.5
48.5°	1171.5	1175.5	1169.9	1154.9	1131.5	1101.7	1073.6	1048.0	1029.7	1021.7	1022.0
49°	1156.9	1161.6	1154.6	1138.8	1116.0	1086.4	1057.7	1032.7	1014.6	1005.9	1005.8
49.5°	1141.5	1145.6	1140.5	1124.1	1100.3	1070.7	1042.6	1017.1	998.8	990.5	990.9
50°	1126.1	1130.8	1124.6	1109.1	1084.6	1055.1	1027.3	1001.5	984.2	974.8	975.2
50.5°	1110.3	1115.1	1109.2	1094.0	1069.7	1039.8	1011.6	986.0	968.0	959.7	959.5
51°	1095.1	1099.8	1093.4	1077.5	1054.4	1024.4	996.2	971.2	953.7	944.3	943.8
51.5°	1079.4	1084.2	1078.0	1062.6	1038.9	1008.9	980.4	955.7	937.7	930.2	929.4
52°	1064.3	1069.0	1063.0	1047.0	1023.2	993.9	965.6	940.9	923.1	914.1	914.3
52.5°	1048.2	1052.8	1046.5	1031.3	1007.5	977.9	950.1	925.6	908.4	899.7	899.5
53°	1032.7	1037.5	1031.5	1015.6	991.9	962.5	934.7	910.5	893.5	884.2	883.9
53.5°	1017.0	1021.4	1015.5	1000.1	976.3	947.3	919.7	895.6	877.4	870.1	869.0
54°	1001.4	1005.5	1000.0	984.9	961.0	931.8	904.6	880.4	863.2	854.5	854.8
54.5°	985.4	990.1	984.0	969.0	946.0	916.3	888.9	865.3	848.0	839.9	839.9
55°	969.2	974.4	968.7	953.4	929.8	900.7	873.8	850.4	833.8	826.4	824.7
55.5°	953.8	958.4	952.5	938.0	914.9	886.0	858.8	835.2	818.7	811.2	809.9
56°	937.5	942.3	937.1	922.2	899.5	871.2	844.4	820.5	804.4	796.4	795.9
56.5°	921.8	926.8	921.3	906.6	884.2	855.8	829.1	806.2	790.2	782.2	781.6
57°	906.5	910.6	905.2	890.8	868.2	840.6	814.2	791.6	775.3	768.1	767.2
57.5°	890.0	895.3	888.8	875.4	853.3	825.8	799.5	776.8	761.4	753.7	752.8
58°	873.8	878.7	874.0	859.1	836.9	810.8	785.0	762.8	747.1	739.0	739.2
58.5°	858.2	862.9	857.6	844.0	822.1	795.3	770.0	748.1	733.1	725.3	724.8
59°	841.9	847.4	841.8	828.3	806.9	780.5	755.3	733.6	719.4	712.1	710.8
59.5°	826.0	830.7	825.9	812.8	791.6	765.5	741.0	720.2	705.6	698.7	696.3
60°	809.6	814.8	810.4	797.0	776.0	750.7	726.3	706.3	691.8	684.8	682.6
60.5°	793.7	798.4	794.3	781.5	761.7	736.0	712.7	692.8	677.9	670.7	668.9
61°	777.7	782.1	778.3	766.1	746.6	721.6	694.7	678.5	663.9	656.7	655.2
61.5°	761.8	766.9	762.1	749.6	730.8	706.6	680.1	664.2	650.0	642.7	641.5
62°	745.6	750.9	747.0	734.7	715.1	691.5	666.9	650.2	636.0	628.7	627.7
62.5°	729.5	734.4	731.2	719.6	700.5	677.0	653.6	636.2	622.1	615.1	614.0
63°	713.4	718.6	715.1	704.0	685.4	662.5	640.3	622.2	609.0	602.1	601.0
63.5°	697.5	702.2	699.2	687.8	670.3	648.0	627.1	608.7	595.9	589.2	588.2
64°	681.2	685.9	682.8	674.0	655.0	633.5	612.8	595.6	582.9	576.3	575.0
64.5°	664.7	669.7	666.9	668.9	640.3	619.0	599.4	582.2	569.8	563.1	561.7
65°	648.4	653.4	651.1	650.4	626.4	604.6	585.9	569.0	556.8	550.7	549.0
65.5°	631.9	637.2	635.2	631.9	611.3	590.3	571.9	555.8	544.1	537.6	536.1
66°	615.5	620.9	619.4	613.4	596.2	576.4	558.5	542.7	531.5	525.0	523.8



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	567.6	572.7	572.1	564.9	552.1	535.0	518.7	504.8	493.9	487.7	486.1
68°	551.9	557.0	556.3	549.9	537.6	521.2	505.4	492.0	481.8	475.7	474.1
68.5°	535.7	541.0	541.2	534.3	523.0	507.4	492.6	479.3	469.7	463.9	461.2
69°	519.7	525.2	525.6	520.2	508.8	493.6	479.7	467.0	456.9	451.7	449.7
69.5°	503.8	509.9	510.0	505.2	495.0	480.2	466.8	454.4	444.9	439.4	437.5
70°	487.8	493.9	494.7	490.5	480.7	467.0	454.0	442.0	433.1	427.4	425.5
70.5°	471.9	478.0	479.4	475.4	467.1	453.9	441.5	430.1	421.5	416.0	413.6
71°	456.3	461.9	464.1	461.0	452.7	440.6	428.8	418.0	409.8	404.5	402.2
71.5°	440.5	446.7	448.4	446.0	438.9	427.4	416.5	406.2	397.8	392.8	390.8
72°	425.1	431.0	433.6	431.3	425.1	414.4	403.9	394.2	386.2	381.0	379.0
72.5°	409.5	415.3	418.6	417.0	411.0	401.1	391.8	382.2	374.7	370.2	367.6
73°	393.6	400.0	403.9	403.0	397.8	388.2	379.3	370.5	363.5	358.7	356.1
73.5°	377.6	384.7	388.6	388.6	384.1	376.2	367.3	359.0	352.1	347.5	345.0
74°	362.6	368.9	373.8	374.6	370.7	363.4	355.5	347.5	341.2	336.4	333.9
74.5°	347.3	354.1	359.0	360.2	357.5	350.5	343.7	336.2	330.1	325.7	323.5
75°	332.0	339.0	344.4	346.2	344.2	338.2	331.9	325.1	319.2	314.9	312.3
75.5°	316.5	324.2	329.7	332.3	331.3	325.9	320.2	313.8	308.2	304.3	301.6
76°	301.5	308.9	315.3	318.8	317.8	313.5	308.8	302.9	297.7	293.8	290.8
76.5°	286.7	294.4	301.0	304.9	305.2	301.6	297.1	291.9	287.2	283.4	280.4
77°	272.0	279.4	286.8	291.4	292.6	289.9	286.0	281.0	276.6	272.8	269.9
77.5°	257.0	265.1	272.9	278.0	280.0	278.2	274.8	270.5	266.1	262.8	259.7
78°	242.8	250.7	258.7	265.1	267.5	266.6	263.9	260.0	256.4	252.9	249.8
78.5°	228.2	236.7	245.0	252.0	255.3	255.0	252.9	249.7	246.4	242.9	240.0
79°	214.0	222.6	231.7	239.1	243.1	243.5	242.4	239.5	236.4	233.1	230.1
79.5°	200.0	208.4	218.2	226.4	231.3	232.4	232.0	229.5	226.7	223.8	220.6
80°	186.8	194.9	204.8	214.0	219.6	221.5	221.4	219.6	217.2	214.5	211.2
80.5°	173.1	181.7	192.1	201.6	208.0	210.7	211.2	210.0	207.9	205.0	202.0
81°	159.8	168.6	179.5	189.5	196.7	200.2	201.5	200.5	198.8	196.0	193.0
81.5°	146.8	155.7	167.1	177.6	185.6	189.6	191.7	191.4	189.9	187.4	184.2
82°	134.1	142.9	154.7	166.1	174.6	179.6	182.1	182.3	181.1	178.6	175.5
82.5°	121.1	130.7	143.1	154.8	163.9	169.8	172.8	173.4	172.4	170.0	166.8
83°	109.7	118.9	131.3	143.8	153.6	160.1	163.7	164.6	164.0	162.0	158.7
83.5°	98.2	107.4	120.1	133.2	143.7	150.5	154.9	156.3	156.1	153.9	150.7
84°	87.2	96.4	109.2	122.7	133.8	141.4	146.2	148.1	147.8	146.0	142.9
84.5°	76.3	85.5	98.9	112.6	124.3	132.6	137.6	140.0	140.1	138.4	135.3
85°	66.4	75.3	88.7	103.0	115.3	124.0	129.5	132.2	132.6	131.0	127.8
85.5°	57.7	66.1	79.3	93.9	106.4	115.7	121.6	124.6	125.2	123.6	120.7
86°	49.0	57.7	70.1	85.1	98.2	107.8	114.1	117.3	118.0	116.7	113.6
86.5°	40.4	49.3	62.6	76.7	90.0	100.1	106.6	110.3	111.2	110.0	107.0
87°	31.9	40.9	55.3	68.2	82.4	92.7	99.6	103.6	104.6	103.7	100.5
87.5°	24.4	32.5	47.9	61.8	75.0	85.7	92.8	97.0	98.2	97.3	94.3
88°	17.7	25.6	40.6	55.3	67.9	79.0	86.4	90.6	92.2	91.2	88.2
88.5°	11.9	19.6	33.2	48.9	62.2	72.3	80.0	84.6	86.2	85.3	82.5



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	3.8	6.9	18.3	32.1	45.4	56.4	64.5	68.3	70.1	69.3	67.3
90.5°	2.1	5.6	14.8	27.7	40.5	51.4	59.7	64.0	65.9	65.2	63.0
91°	0.4	4.4	11.9	23.8	36.1	46.6	54.9	59.6	61.6	61.1	58.7
91.5°	0.3	3.2	9.6	20.5	32.1	42.2	50.1	55.3	57.4	56.9	54.4
92°	0.3	1.9	7.9	17.6	28.5	38.3	45.8	50.9	53.1	52.8	50.2
92.5°	0.2	1.5	7.0	15.2	25.4	34.7	42.0	46.7	48.9	48.7	46.5
93°	0.2	1.2	6.1	13.2	22.6	31.5	38.5	43.2	45.4	45.2	43.0
93.5°	0.2	1.0	5.3	11.5	20.1	28.5	35.3	39.8	42.0	41.9	39.9
94°	0.3	0.8	4.5	10.2	17.9	25.8	32.4	36.8	38.9	38.9	37.0
94.5°	0.4	0.7	4.1	9.1	16.1	23.4	29.6	33.9	36.0	36.1	34.2
95°	0.4	0.6	3.7	8.4	14.6	21.3	27.2	31.3	33.4	33.5	31.7
95.5°	0.5	0.6	3.3	7.8	13.3	19.5	25.0	28.9	31.0	31.1	29.5
96°	0.6	0.7	3.0	7.3	12.3	17.9	23.1	26.7	28.7	28.8	27.3
96.5°	0.7	0.8	2.7	6.8	11.4	16.5	21.3	24.8	26.7	26.9	25.5
97°	0.7	0.8	2.4	6.3	10.8	15.4	19.8	23.1	24.9	25.1	23.8
97.5°	0.8	0.9	2.2	5.8	10.2	14.4	18.5	21.6	23.3	23.6	22.4
98°	0.9	0.9	2.0	5.4	9.7	13.6	17.4	20.3	21.9	22.1	21.0
98.5°	0.9	0.9	1.8	5.1	9.1	13.0	16.4	19.1	20.6	20.9	19.9
99°	1.0	1.0	1.7	4.7	8.6	12.4	15.6	18.1	19.5	19.8	18.9
99.5°	1.1	1.1	1.6	4.4	8.1	11.9	14.9	17.3	18.6	18.9	18.1
100°	1.3	1.1	1.5	4.1	7.7	11.3	14.3	16.6	17.8	18.1	17.4
100.5°	1.4	1.2	1.5	3.8	7.3	10.7	13.7	15.9	17.2	17.4	16.7
101°	1.5	1.3	1.4	3.6	6.9	10.2	13.2	15.3	16.5	16.8	16.1
101.5°	1.6	1.4	1.4	3.3	6.5	9.8	12.6	14.7	16.0	16.2	15.6
102°	1.7	1.5	1.5	3.1	6.1	9.3	12.0	14.2	15.4	15.6	15.0
102.5°	1.8	1.6	1.5	2.8	5.8	8.9	11.5	13.6	14.8	15.1	14.5
103°	1.9	1.6	1.4	2.6	5.4	8.4	11.0	13.0	14.2	14.5	14.0
103.5°	2.0	1.7	1.4	2.4	5.1	8.0	10.5	12.5	13.7	14.0	13.4
104°	2.0	1.7	1.4	2.3	4.7	7.6	10.1	12.0	13.2	13.4	12.9
104.5°	2.1	1.8	1.3	2.2	4.4	7.2	9.6	11.5	12.7	12.9	12.4
105°	2.1	2.0	1.3	2.0	4.1	6.8	9.2	11.0	12.2	12.5	12.0
105.5°	2.1	2.3	1.3	1.9	3.9	6.5	8.8	10.6	11.7	12.0	11.5
106°	2.0	2.2	1.4	1.9	3.7	6.1	8.4	10.1	11.3	11.6	11.1
106.5°	2.0	2.1	1.4	1.8	3.4	5.8	8.0	9.7	10.8	11.2	10.7
107°	2.0	2.0	1.4	1.8	3.2	5.5	7.6	9.3	10.4	10.7	10.3
107.5°	2.0	2.0	1.5	1.7	3.1	5.2	7.3	8.9	10.0	10.3	9.9
108°	2.1	2.0	1.5	1.7	2.9	4.9	6.9	8.5	9.6	9.9	9.5
108.5°	2.1	2.1	1.5	1.7	2.7	4.6	6.6	8.1	9.2	9.5	9.1
109°	2.1	2.1	1.6	1.6	2.6	4.3	6.2	7.8	8.9	9.2	8.8
109.5°	2.1	2.2	1.6	1.6	2.4	4.1	5.9	7.4	8.5	8.8	8.4
110°	2.1	2.2	1.6	1.5	2.3	3.9	5.6	7.1	8.1	8.4	8.1
110.5°	2.1	2.2	1.7	1.5	2.3	3.7	5.3	6.8	7.8	8.1	7.8
111°	2.1	2.2	1.7	1.6	2.2	3.5	5.0	6.5	7.5	7.8	7.5



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	2.2	2.1	1.9	1.7	2.0	3.0	4.3	5.6	6.5	6.8	6.6
113°	2.2	2.1	1.9	1.7	2.0	2.8	4.0	5.3	6.2	6.5	6.2
113.5°	2.2	2.1	2.0	1.7	2.0	2.7	3.8	5.1	5.9	6.2	6.0
114°	2.3	2.2	2.0	1.8	1.9	2.6	3.6	4.8	5.6	5.9	5.7
114.5°	2.3	2.2	2.1	1.8	1.9	2.6	3.5	4.6	5.4	5.7	5.5
115°	2.3	2.2	2.1	1.8	1.8	2.5	3.3	4.3	5.1	5.4	5.3
115.5°	2.3	2.3	2.2	1.9	1.8	2.4	3.2	4.1	4.9	5.2	5.0
116°	2.3	2.3	2.3	1.9	1.8	2.4	3.1	3.9	4.7	5.0	4.8
116.5°	2.3	2.4	2.4	1.9	1.8	2.4	3.0	3.8	4.5	4.7	4.6
117°	2.3	2.4	2.5	2.0	1.9	2.3	2.9	3.6	4.3	4.6	4.5
117.5°	2.3	2.5	2.7	2.0	1.9	2.3	2.8	3.5	4.1	4.4	4.3
118°	2.4	2.5	2.8	2.0	1.9	2.2	2.8	3.4	3.9	4.2	4.2
118.5°	2.4	2.6	2.8	2.1	1.9	2.1	2.7	3.3	3.8	4.1	4.0
119°	2.4	2.6	2.8	2.1	2.0	2.0	2.6	3.2	3.7	3.9	3.9
119.5°	2.4	2.6	2.7	2.2	2.0	2.0	2.6	3.1	3.6	3.8	3.8
120°	2.4	2.6	2.7	2.2	2.0	2.0	2.5	3.0	3.5	3.7	3.7
120.5°	2.5	2.7	2.7	2.3	2.1	2.1	2.4	2.9	3.4	3.6	3.6
121°	2.5	2.7	2.7	2.3	2.1	2.1	2.3	2.8	3.3	3.5	3.6
121.5°	2.5	2.7	2.7	2.4	2.2	2.1	2.3	2.8	3.2	3.5	3.5
122°	2.5	2.7	2.8	2.4	2.2	2.2	2.2	2.7	3.1	3.4	3.4
122.5°	2.6	2.7	2.8	2.5	2.3	2.2	2.2	2.6	3.1	3.3	3.3
123°	2.6	2.8	2.8	2.5	2.3	2.2	2.2	2.5	3.0	3.3	3.3
123.5°	2.6	2.8	2.9	2.6	2.4	2.3	2.2	2.4	2.9	3.2	3.2
124°	2.6	2.8	2.9	2.6	2.4	2.3	2.2	2.4	2.9	3.1	3.1
124.5°	2.7	2.8	2.9	2.7	2.4	2.4	2.3	2.4	2.8	3.1	3.1
125°	2.7	2.8	3.0	2.8	2.5	2.4	2.3	2.4	2.7	3.0	3.0
125.5°	2.7	2.9	3.0	2.9	2.5	2.4	2.3	2.4	2.7	2.9	3.0
126°	2.7	2.9	3.0	3.0	2.6	2.5	2.4	2.4	2.7	2.9	3.0
126.5°	2.8	2.9	3.0	3.1	2.6	2.5	2.4	2.4	2.7	2.9	3.0
127°	2.8	2.9	3.0	3.2	2.7	2.5	2.4	2.5	2.7	2.9	3.0
127.5°	2.8	2.9	3.0	3.3	2.7	2.6	2.5	2.6	2.8	2.9	3.1
128°	2.9	2.9	3.0	3.4	2.8	2.6	2.6	2.6	2.8	3.0	3.1
128.5°	2.9	2.9	2.9	3.4	2.8	2.6	2.6	2.7	2.9	3.0	3.2
129°	2.9	2.9	2.9	3.4	2.9	2.7	2.7	2.7	2.9	3.1	3.2
129.5°	2.9	2.9	2.9	3.4	2.9	2.8	2.7	2.8	3.0	3.1	3.3
130°	2.9	2.9	2.9	3.4	3.0	2.8	2.8	2.9	3.0	3.2	3.3
130.5°	2.9	2.9	2.9	3.4	3.1	2.9	2.8	2.9	3.1	3.2	3.3
131°	3.0	3.0	2.9	3.4	3.1	2.9	2.9	3.0	3.1	3.3	3.4
131.5°	3.0	3.0	2.9	3.5	3.2	3.0	3.0	3.1	3.2	3.3	3.4
132°	3.0	3.0	3.0	3.5	3.3	3.1	3.0	3.1	3.2	3.4	3.5
132.5°	3.0	3.0	3.0	3.6	3.4	3.1	3.1	3.2	3.3	3.4	3.6
133°	3.0	3.1	3.0	3.7	3.5	3.2	3.2	3.3	3.3	3.5	3.6
133.5°	3.0	3.1	3.0	3.7	3.6	3.3	3.2	3.3	3.4	3.5	3.7



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	3.1	3.2	3.2	3.8	4.0	3.5	3.5	3.5	3.6	3.7	3.8
135.5°	3.1	3.2	3.2	3.8	4.0	3.6	3.5	3.6	3.6	3.7	3.9
136°	3.0	3.2	3.2	3.8	4.0	3.7	3.6	3.6	3.7	3.8	3.9
136.5°	3.0	3.2	3.3	3.7	4.0	3.7	3.7	3.7	3.7	3.8	4.0
137°	3.0	3.2	3.3	3.7	4.0	3.8	3.8	3.8	3.8	3.9	4.1
137.5°	3.1	3.2	3.3	3.7	4.1	4.0	3.8	3.8	3.8	4.0	4.1
138°	3.1	3.3	3.4	3.6	4.1	4.1	3.9	3.9	3.9	4.0	4.2
138.5°	3.1	3.4	3.4	3.6	4.1	4.3	3.9	3.9	3.9	4.1	4.3
139°	3.1	3.4	3.4	3.5	4.1	4.4	4.0	4.0	4.0	4.1	4.3
139.5°	3.1	3.4	3.4	3.5	4.2	4.5	4.0	4.1	4.1	4.2	4.4
140°	3.1	3.5	3.5	3.5	4.2	4.5	4.1	4.1	4.1	4.2	4.5
140.5°	3.1	3.5	3.5	3.5	4.3	4.5	4.2	4.2	4.2	4.3	4.5
141°	3.1	3.5	3.5	3.5	4.3	4.6	4.3	4.2	4.2	4.4	4.6
141.5°	3.1	3.5	3.5	3.5	4.3	4.6	4.4	4.2	4.3	4.4	4.7
142°	3.1	3.6	3.5	3.5	4.3	4.7	4.6	4.3	4.3	4.5	4.7
142.5°	3.1	3.6	3.6	3.4	4.2	4.7	4.7	4.4	4.4	4.6	4.8
143°	3.1	3.6	3.6	3.4	4.2	4.7	4.8	4.5	4.5	4.6	4.9
143.5°	3.2	3.6	3.6	3.4	4.1	4.6	4.9	4.6	4.6	4.7	5.0
144°	3.2	3.6	3.6	3.4	4.1	4.6	4.9	4.7	4.7	4.8	5.1
144.5°	3.1	3.6	3.6	3.4	4.1	4.6	4.9	4.9	4.7	4.9	5.2
145°	3.1	3.7	3.7	3.4	4.0	4.6	4.9	5.0	4.8	5.0	5.3
145.5°	3.1	3.7	3.7	3.4	4.0	4.6	4.9	5.2	5.0	5.0	5.4
146°	3.1	3.7	3.7	3.4	3.9	4.6	4.9	5.2	5.2	5.2	5.5
146.5°	3.1	3.7	3.7	3.4	3.9	4.6	4.9	5.2	5.3	5.3	5.7
147°	3.1	3.7	3.7	3.4	3.8	4.6	4.8	5.2	5.5	5.5	5.8
147.5°	3.1	3.7	3.7	3.4	3.8	4.5	4.8	5.2	5.4	5.6	5.9
148°	3.1	3.7	3.7	3.4	3.8	4.5	4.8	5.2	5.4	5.6	5.9
148.5°	3.1	3.7	3.7	3.4	3.7	4.5	4.8	5.2	5.4	5.6	5.8
149°	3.1	3.7	3.7	3.4	3.7	4.4	4.8	5.1	5.4	5.6	5.8
149.5°	3.0	3.6	3.7	3.4	3.6	4.4	4.8	5.1	5.4	5.6	5.8
150°	3.0	3.6	3.7	3.4	3.6	4.3	4.8	5.1	5.4	5.6	5.8
150.5°	3.1	3.6	3.7	3.5	3.6	4.3	4.8	5.1	5.4	5.5	5.7
151°	2.9	3.6	3.7	3.5	3.6	4.2	4.7	5.1	5.3	5.4	5.7
151.5°	2.8	3.5	3.7	3.5	3.5	4.1	4.7	5.1	5.3	5.4	5.7
152°	2.8	3.5	3.8	3.5	3.5	4.0	4.6	5.1	5.3	5.4	5.7
152.5°	2.8	3.4	3.8	3.5	3.5	4.0	4.6	5.0	5.2	5.4	5.7
153°	2.7	3.4	3.8	3.6	3.5	3.9	4.5	4.9	5.2	5.4	5.6
153.5°	2.5	3.4	3.8	3.6	3.5	3.8	4.4	4.9	5.2	5.3	5.5
154°	2.4	3.3	3.8	3.6	3.5	3.8	4.3	4.8	5.1	5.3	5.3
154.5°	2.3	3.2	3.8	3.6	3.6	3.8	4.2	4.7	5.0	5.2	5.2
155°	2.3	3.2	3.8	3.7	3.6	3.7	4.1	4.6	4.9	5.1	5.1
155.5°	2.3	3.2	3.8	3.7	3.6	3.7	4.1	4.5	4.8	5.0	5.0
156°	2.2	3.3	3.8	3.7	3.7	3.7	4.0	4.4	4.7	4.8	4.9



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	2.0	3.2	3.8	3.7	3.8	3.8	3.8	4.1	4.4	4.5	4.6
158°	2.0	3.2	3.8	3.8	3.8	3.8	3.8	4.1	4.3	4.4	4.5
158.5°	2.1	3.3	3.8	3.8	3.8	3.8	3.8	4.0	4.2	4.3	4.4
159°	2.1	3.2	3.8	3.8	3.8	3.8	3.8	3.9	4.1	4.2	4.3
159.5°	2.1	3.1	3.7	3.8	3.9	3.9	3.8	3.9	4.1	4.2	4.2
160°	2.1	3.1	3.7	3.8	3.9	3.9	3.8	3.9	4.0	4.1	4.2
160.5°	2.1	3.1	3.7	3.8	3.9	3.9	3.9	3.9	4.0	4.1	4.1
161°	2.1	3.1	3.6	3.8	4.0	4.0	3.9	3.9	4.0	4.0	4.1
161.5°	2.1	3.1	3.6	3.8	4.0	4.0	3.9	3.9	4.0	4.0	4.1
162°	2.1	3.0	3.6	3.8	4.0	4.0	4.0	3.9	4.0	4.0	4.1
162.5°	2.1	3.0	3.6	3.8	4.0	4.1	4.0	4.0	4.0	4.0	4.1
163°	2.1	2.9	3.6	3.8	4.0	4.1	4.0	4.0	4.0	4.0	4.1
163.5°	2.2	2.8	3.6	3.8	4.1	4.1	4.1	4.0	4.0	4.0	4.1
164°	2.2	2.7	3.6	3.8	4.1	4.1	4.1	4.1	4.0	4.1	4.1
164.5°	2.2	2.6	3.6	3.8	4.1	4.2	4.1	4.1	4.1	4.1	4.1
165°	2.2	2.6	3.5	3.8	4.1	4.2	4.2	4.1	4.1	4.1	4.2
165.5°	2.2	2.6	3.5	3.8	4.1	4.2	4.2	4.2	4.2	4.1	4.2
166°	2.2	2.6	3.5	3.7	4.1	4.2	4.2	4.2	4.2	4.2	4.2
166.5°	2.2	2.7	3.6	3.7	4.1	4.2	4.2	4.2	4.2	4.2	4.2
167°	2.3	2.7	3.5	3.7	4.0	4.2	4.2	4.3	4.2	4.2	4.3
167.5°	2.3	2.7	3.3	3.6	4.0	4.2	4.3	4.3	4.3	4.3	4.3
168°	2.2	2.8	3.3	3.4	4.0	4.2	4.3	4.3	4.3	4.3	4.3
168.5°	2.3	2.6	3.5	3.4	4.0	4.2	4.3	4.3	4.4	4.3	4.4
169°	2.3	2.4	3.3	3.6	3.9	4.2	4.3	4.4	4.4	4.4	4.4
169.5°	2.4	2.7	2.9	3.7	3.6	4.1	4.3	4.4	4.4	4.4	4.4
170°	2.4	2.9	3.0	3.5	3.6	4.0	4.3	4.4	4.4	4.4	4.4
170.5°	2.8	2.8	3.3	3.3	3.9	4.1	4.3	4.4	4.4	4.4	4.4
171°	3.1	2.9	3.3	3.4	3.8	4.0	4.2	4.3	4.4	4.4	4.4
171.5°	3.1	3.2	3.1	3.4	3.3	3.5	4.1	4.3	4.3	4.3	4.3
172°	3.2	3.3	3.2	3.3	3.5	3.4	4.0	4.3	4.3	4.3	4.3
172.5°	3.3	3.3	3.3	3.3	3.6	3.8	4.0	4.2	4.2	4.2	4.2
173°	3.3	3.3	3.4	3.4	3.4	3.7	3.9	4.1	4.2	4.2	4.2
173.5°	3.3	3.4	3.5	3.4	3.4	3.5	3.9	4.1	4.1	4.1	4.1
174°	3.4	3.4	3.5	3.3	3.5	3.6	3.8	4.0	4.0	4.1	4.1
174.5°	3.5	3.6	3.6	3.4	3.3	3.5	3.5	3.9	4.0	4.0	4.1
175°	3.6	3.6	3.7	3.5	3.3	3.4	3.7	3.9	4.0	4.0	4.0
175.5°	3.7	3.7	3.7	3.5	3.4	3.3	3.6	3.9	4.0	4.0	3.9
176°	3.7	3.7	3.7	3.6	3.2	3.2	3.4	3.8	4.0	4.0	3.9
176.5°	3.7	3.7	3.7	3.7	3.4	3.3	3.4	3.7	3.9	4.0	3.9
177°	3.7	3.7	3.8	3.8	3.5	3.3	3.5	3.7	3.8	3.9	3.8
177.5°	3.7	3.7	3.8	3.6	3.3	3.2	3.4	3.6	3.8	3.8	3.7
178°	3.7	3.7	3.7	3.6	3.4	3.2	3.2	3.4	3.6	3.8	3.6
178.5°	3.8	3.8	3.7	3.5	3.2	3.0	3.0	3.3	3.6	3.8	3.6



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9
0.5°	1980.3	1980.2	1980.1	1979.9	1979.7	1979.4	1979.2	1979.1	1979.1	1979.1	1979.1
1°	1980.3	1980.5	1980.8	1981.0	1980.7	1980.3	1979.8	1979.3	1978.9	1978.6	1978.6
1.5°	1980.8	1980.6	1980.1	1979.2	1978.5	1978.5	1978.5	1978.3	1977.9	1977.5	1977.5
2°	1980.8	1979.3	1977.6	1977.6	1977.5	1976.8	1976.6	1976.7	1976.3	1976.1	1976.0
2.5°	1979.2	1979.0	1979.2	1977.9	1977.8	1977.4	1976.2	1976.0	1975.6	1975.3	1974.9
3°	1978.4	1978.0	1977.6	1976.6	1976.7	1976.3	1975.9	1975.2	1973.6	1972.3	1972.7
3.5°	1976.8	1976.4	1976.3	1976.4	1975.5	1974.0	1973.7	1974.0	1971.7	1970.8	1970.5
4°	1976.4	1975.5	1974.7	1974.7	1974.4	1973.5	1972.0	1972.4	1971.1	1969.5	1968.2
4.5°	1972.8	1973.9	1972.0	1973.2	1973.3	1971.9	1970.3	1969.3	1968.7	1967.3	1966.3
5°	1972.0	1971.9	1971.6	1970.6	1971.0	1970.3	1968.9	1967.7	1967.0	1965.7	1963.2
5.5°	1970.8	1970.0	1969.6	1968.5	1969.0	1967.5	1967.3	1965.9	1965.1	1963.6	1960.9
6°	1968.6	1967.7	1966.8	1966.4	1966.1	1965.4	1964.9	1963.4	1962.2	1961.2	1957.8
6.5°	1965.8	1965.0	1964.6	1963.8	1963.2	1964.0	1962.7	1960.9	1958.7	1958.6	1955.0
7°	1963.3	1962.1	1962.7	1961.4	1961.0	1961.2	1960.3	1957.8	1955.7	1954.8	1952.4
7.5°	1960.0	1959.2	1959.4	1959.4	1957.9	1958.0	1956.8	1955.6	1952.4	1951.9	1949.7
8°	1956.9	1956.5	1956.0	1956.1	1955.5	1955.5	1953.0	1951.7	1949.5	1948.7	1945.5
8.5°	1952.9	1953.0	1952.4	1952.1	1952.6	1951.5	1951.2	1948.6	1947.3	1944.9	1942.1
9°	1949.0	1949.4	1949.0	1948.9	1949.5	1947.9	1947.3	1945.9	1942.8	1940.9	1938.3
9.5°	1945.8	1945.9	1944.9	1945.1	1945.2	1944.9	1943.0	1941.4	1938.3	1936.7	1933.5
10°	1941.4	1941.6	1940.7	1941.9	1941.3	1939.6	1939.7	1937.7	1934.7	1932.7	1929.2
10.5°	1937.0	1937.6	1935.7	1937.8	1937.1	1936.1	1936.2	1934.0	1931.2	1927.7	1925.1
11°	1931.6	1933.3	1932.5	1934.0	1933.2	1932.6	1932.0	1929.9	1926.5	1922.8	1919.9
11.5°	1926.7	1928.4	1927.4	1928.8	1928.7	1928.8	1927.3	1924.8	1921.3	1918.7	1914.7
12°	1921.8	1922.9	1922.5	1923.4	1924.5	1923.5	1922.6	1920.2	1917.2	1914.3	1909.6
12.5°	1916.6	1918.0	1917.8	1918.2	1919.8	1918.7	1917.7	1915.7	1912.8	1908.3	1905.0
13°	1911.2	1912.5	1911.9	1912.5	1914.0	1913.5	1913.2	1910.9	1908.2	1903.0	1899.7
13.5°	1904.9	1905.7	1905.8	1907.6	1908.5	1908.1	1907.9	1905.7	1901.9	1897.3	1893.0
14°	1898.4	1899.8	1900.8	1902.3	1903.3	1903.0	1902.5	1900.9	1896.2	1891.8	1887.0
14.5°	1891.9	1893.5	1894.8	1896.2	1897.8	1897.7	1897.1	1895.0	1891.5	1885.6	1880.8
15°	1885.2	1887.8	1888.4	1890.2	1892.6	1891.6	1891.6	1888.7	1885.8	1878.8	1874.5
15.5°	1878.3	1881.7	1882.5	1884.4	1886.7	1885.3	1886.0	1882.8	1879.1	1872.9	1868.1
16°	1870.9	1874.2	1875.6	1877.6	1879.9	1879.6	1879.7	1877.2	1872.7	1867.4	1861.8
16.5°	1863.8	1867.3	1868.7	1870.8	1873.0	1873.5	1872.9	1871.4	1867.0	1860.9	1854.5
17°	1856.2	1859.5	1861.3	1863.8	1866.8	1866.7	1866.5	1865.0	1860.2	1853.8	1846.8
17.5°	1848.4	1852.4	1854.4	1856.7	1860.4	1860.5	1861.2	1858.0	1853.3	1847.0	1839.7
18°	1840.9	1843.8	1847.2	1850.4	1853.1	1853.2	1853.7	1850.7	1845.9	1839.8	1831.9
18.5°	1832.3	1835.1	1839.8	1842.7	1846.0	1845.7	1845.8	1844.1	1838.9	1831.7	1823.7
19°	1823.4	1826.7	1831.3	1834.2	1838.6	1839.0	1839.1	1836.9	1832.3	1824.0	1816.3
19.5°	1814.5	1818.4	1822.9	1827.0	1830.6	1831.2	1831.7	1829.4	1824.5	1816.4	1807.9
20°	1806.6	1810.7	1814.9	1819.0	1822.6	1824.1	1824.0	1822.1	1816.9	1808.6	1799.7
20.5°	1797.5	1801.5	1806.7	1810.2	1815.1	1815.9	1816.0	1814.6	1809.2	1800.6	1791.1
21°	1787.9	1793.3	1797.3	1801.7	1806.4	1808.5	1808.4	1806.3	1801.0	1791.8	1782.6

TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1758.5	1763.3	1769.6	1776.0	1780.8	1783.6	1783.5	1780.7	1775.5	1765.4	1756.0
23°	1748.2	1753.6	1760.4	1766.5	1771.9	1774.4	1774.7	1771.9	1766.8	1757.1	1745.9
23.5°	1737.8	1743.5	1750.4	1756.3	1763.3	1766.1	1766.3	1763.6	1757.7	1748.5	1736.5
24°	1726.8	1733.8	1740.0	1747.1	1753.5	1756.7	1757.2	1754.8	1749.0	1739.0	1727.0
24.5°	1716.0	1722.8	1730.1	1737.1	1743.8	1747.5	1748.6	1745.8	1739.5	1729.2	1717.0
25°	1705.6	1711.9	1720.1	1727.1	1734.0	1738.3	1739.6	1736.5	1730.1	1719.1	1706.7
25.5°	1694.2	1701.4	1709.2	1716.6	1724.0	1728.5	1729.6	1726.8	1720.4	1709.4	1696.9
26°	1682.8	1690.4	1698.6	1706.0	1714.2	1718.4	1719.4	1717.7	1710.9	1699.3	1686.2
26.5°	1671.3	1678.6	1687.3	1695.4	1704.4	1709.1	1709.8	1707.6	1700.5	1689.4	1675.7
27°	1659.2	1667.5	1676.2	1684.9	1693.3	1698.6	1699.7	1697.1	1690.6	1678.9	1665.0
27.5°	1647.5	1655.3	1665.0	1673.9	1683.4	1688.0	1689.3	1687.1	1680.4	1668.5	1653.9
28°	1635.0	1644.0	1652.9	1663.2	1672.2	1677.1	1678.7	1676.8	1669.7	1657.9	1642.6
28.5°	1622.7	1631.5	1641.7	1651.9	1660.8	1666.8	1668.4	1666.6	1659.2	1646.8	1632.0
29°	1610.1	1619.4	1630.2	1639.7	1650.4	1656.7	1658.1	1655.6	1648.5	1636.0	1620.4
29.5°	1596.9	1606.1	1617.8	1628.0	1639.0	1644.7	1647.7	1644.9	1637.1	1624.7	1608.4
30°	1584.6	1594.3	1605.7	1616.8	1627.4	1634.7	1635.8	1633.8	1625.7	1613.3	1597.0
30.5°	1571.5	1580.5	1593.3	1605.3	1615.7	1622.9	1624.3	1622.0	1615.6	1601.7	1585.0
31°	1557.2	1568.5	1581.1	1592.6	1604.3	1610.8	1613.7	1611.7	1603.7	1589.6	1573.1
31.5°	1543.7	1555.5	1568.2	1580.0	1592.8	1599.7	1601.9	1599.7	1591.6	1578.6	1561.1
32°	1530.4	1541.8	1555.1	1568.2	1580.0	1587.6	1589.8	1588.2	1580.7	1566.5	1548.7
32.5°	1516.6	1528.9	1542.6	1555.5	1567.5	1575.9	1578.4	1576.8	1568.2	1554.5	1536.5
33°	1502.8	1514.8	1529.6	1542.8	1556.2	1563.4	1566.8	1564.4	1556.6	1542.4	1523.4
33.5°	1488.6	1501.3	1516.0	1530.3	1543.1	1551.5	1554.0	1552.8	1544.4	1529.6	1510.7
34°	1474.6	1487.4	1502.6	1517.1	1529.8	1539.0	1541.9	1541.1	1532.2	1517.3	1498.1
34.5°	1460.9	1473.4	1489.0	1503.7	1517.4	1527.0	1529.9	1528.3	1519.2	1505.2	1486.7
35°	1446.2	1458.8	1475.2	1490.1	1504.9	1513.9	1517.6	1515.7	1507.2	1492.3	1474.2
35.5°	1430.9	1445.3	1461.3	1476.8	1491.7	1500.4	1504.7	1503.1	1494.6	1480.3	1460.2
36°	1416.1	1430.7	1447.4	1463.8	1477.9	1488.3	1492.0	1491.0	1482.2	1466.6	1446.3
36.5°	1401.5	1415.7	1433.5	1450.3	1464.9	1475.5	1479.3	1478.3	1468.8	1453.1	1432.4
37°	1386.6	1401.6	1419.1	1435.5	1452.2	1462.6	1466.1	1464.9	1455.4	1439.6	1418.5
37.5°	1372.0	1386.6	1404.8	1422.2	1438.2	1449.2	1452.9	1451.5	1442.0	1426.1	1404.7
38°	1356.7	1372.2	1390.9	1408.6	1424.9	1435.3	1439.5	1438.1	1428.7	1412.6	1391.0
38.5°	1342.1	1356.8	1376.6	1394.1	1409.9	1421.5	1426.2	1424.7	1415.3	1399.0	1376.8
39°	1326.8	1342.5	1361.6	1379.7	1396.5	1407.7	1412.4	1411.0	1401.5	1385.2	1363.1
39.5°	1311.9	1327.3	1346.9	1365.4	1382.4	1393.9	1398.3	1396.9	1387.5	1371.6	1348.6
40°	1296.1	1311.9	1331.9	1351.0	1368.3	1380.3	1384.8	1383.2	1373.9	1357.4	1334.6
40.5°	1280.2	1296.8	1316.5	1337.0	1353.6	1366.3	1370.8	1368.9	1359.9	1343.6	1320.4
41°	1264.5	1281.1	1301.9	1321.7	1339.7	1351.6	1356.4	1355.2	1345.9	1329.8	1306.2
41.5°	1249.7	1266.1	1287.0	1306.8	1324.8	1337.4	1342.6	1341.1	1332.1	1314.8	1291.1
42°	1234.4	1251.5	1271.9	1292.1	1310.3	1322.8	1327.6	1327.4	1317.3	1299.8	1276.5
42.5°	1219.0	1235.9	1256.9	1277.4	1295.4	1308.3	1313.5	1312.6	1303.3	1285.8	1261.5
43°	1203.4	1219.5	1241.4	1262.4	1280.9	1294.7	1299.0	1298.1	1288.5	1271.5	1248.1
43.5°	1187.2	1204.8	1226.4	1247.4	1266.5	1279.3	1284.5	1283.5	1273.6	1256.7	1232.8



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	1140.9	1158.2	1180.3	1201.8	1222.0	1235.0	1239.9	1239.4	1229.9	1211.8	1187.7
45.5°	1124.7	1142.2	1164.9	1186.7	1205.9	1219.2	1225.5	1224.6	1214.3	1196.7	1172.5
46°	1109.0	1126.3	1149.3	1171.1	1190.7	1204.9	1209.9	1209.3	1199.0	1182.1	1157.4
46.5°	1093.2	1111.3	1133.2	1155.6	1175.1	1189.2	1194.7	1193.9	1184.1	1166.9	1142.5
47°	1077.7	1095.0	1117.7	1140.6	1160.5	1174.6	1180.0	1178.8	1168.8	1151.5	1127.0
47.5°	1062.0	1080.4	1102.2	1124.8	1145.2	1159.4	1163.8	1163.6	1153.8	1136.2	1111.6
48°	1046.4	1063.8	1086.6	1109.2	1129.6	1143.9	1148.7	1147.8	1138.5	1121.1	1096.4
48.5°	1031.0	1048.5	1071.8	1094.1	1113.4	1127.8	1133.1	1132.7	1123.1	1105.6	1080.5
49°	1015.1	1033.2	1056.3	1078.3	1098.9	1112.6	1117.9	1117.5	1108.0	1090.0	1065.5
49.5°	1000.1	1017.8	1040.6	1062.6	1082.6	1097.7	1102.9	1101.9	1092.2	1074.4	1050.4
50°	984.7	1001.6	1024.8	1046.6	1067.8	1081.9	1087.4	1086.5	1076.7	1059.3	1034.7
50.5°	969.3	986.4	1009.1	1031.7	1051.9	1066.4	1071.6	1070.7	1061.4	1043.5	1018.8
51°	953.5	971.0	993.7	1016.4	1036.6	1050.4	1055.6	1055.0	1045.0	1027.8	1003.5
51.5°	938.6	956.4	978.0	1000.7	1020.5	1035.4	1039.8	1039.4	1029.8	1012.7	987.9
52°	923.4	940.2	962.7	984.6	1005.2	1018.6	1024.6	1023.7	1014.1	996.4	972.3
52.5°	908.4	925.1	947.2	969.2	989.3	1003.4	1009.0	1009.4	998.2	980.5	956.7
53°	893.4	909.9	931.5	953.8	973.9	987.4	994.1	993.5	982.3	965.0	941.3
53.5°	878.2	895.1	916.5	938.1	958.3	972.1	979.9	976.0	966.7	949.7	925.7
54°	863.1	878.6	901.4	922.4	942.6	955.9	962.9	960.0	950.3	933.6	910.4
54.5°	848.5	864.2	885.7	907.1	926.3	940.7	945.4	944.3	934.7	918.1	895.0
55°	833.2	849.5	870.5	891.7	911.0	924.6	929.4	928.0	918.7	902.3	879.1
55.5°	818.1	834.6	855.7	876.2	894.9	908.8	913.1	911.8	902.5	886.4	863.3
56°	803.5	819.3	840.3	860.5	879.3	892.3	897.2	897.7	887.1	870.5	847.9
56.5°	789.0	804.5	824.9	845.1	863.7	876.4	882.1	881.6	871.4	854.8	832.4
57°	774.8	789.6	809.4	829.9	848.0	860.8	868.0	863.5	855.7	839.1	816.9
57.5°	760.1	775.2	794.3	815.0	832.2	845.1	851.2	847.9	838.6	823.1	801.5
58°	745.6	760.5	779.9	799.5	816.2	829.2	832.7	831.9	822.7	807.4	785.9
58.5°	731.5	745.6	764.5	783.4	800.5	812.9	816.9	816.2	806.7	792.1	770.3
59°	717.5	731.0	749.2	767.8	785.3	796.9	801.2	800.3	791.1	775.8	754.6
59.5°	703.1	717.0	734.5	752.7	769.8	782.1	786.5	783.0	774.7	759.9	739.7
60°	689.4	702.7	719.7	737.9	755.3	766.3	769.8	767.1	758.8	744.3	723.6
60.5°	675.4	688.3	705.3	722.7	740.0	749.5	752.2	751.3	742.2	728.3	708.5
61°	661.5	674.0	691.0	707.7	723.4	732.8	735.8	735.3	726.5	712.4	693.2
61.5°	647.6	659.7	676.2	693.3	707.2	717.4	720.3	718.6	709.9	696.4	677.4
62°	633.7	645.3	661.5	678.0	696.3	703.3	705.4	702.7	693.9	681.0	662.1
62.5°	619.7	630.9	646.6	663.2	679.8	698.1	684.7	686.1	678.2	665.3	646.6
63°	605.9	617.1	631.7	647.6	664.5	678.7	668.9	670.5	662.4	649.5	632.0
63.5°	592.8	603.3	617.1	631.9	647.3	660.0	653.5	654.0	645.7	633.9	616.7
64°	579.7	589.7	602.7	616.5	630.1	641.2	637.9	637.5	630.0	618.3	601.5
64.5°	566.4	575.7	588.6	601.8	614.2	622.5	622.3	621.5	614.1	602.4	586.1
65°	553.3	562.4	574.8	587.3	598.4	605.8	606.3	605.7	598.3	586.7	571.5
65.5°	540.2	549.1	560.6	572.4	583.1	589.6	591.0	589.4	582.2	571.3	556.2
66°	527.1	535.8	546.4	558.1	567.8	575.3	575.2	573.3	566.4	555.8	541.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	489.4	496.1	505.9	515.0	522.8	527.2	526.7	525.4	518.9	509.5	496.8
68°	476.6	483.2	492.2	500.5	507.7	512.0	510.7	509.6	503.1	494.0	481.5
68.5°	464.3	470.3	478.2	486.3	492.8	496.3	495.5	493.6	487.0	478.5	467.2
69°	451.8	457.1	464.9	471.9	477.7	480.9	479.5	477.5	471.2	463.5	452.5
69.5°	439.3	444.2	451.6	458.1	463.4	465.9	463.9	461.3	455.8	448.4	438.3
70°	426.8	431.8	438.4	444.3	448.7	450.1	447.7	445.9	440.3	433.2	423.7
70.5°	415.1	419.4	425.4	430.4	434.0	434.7	432.2	430.1	424.3	418.3	409.1
71°	403.3	407.1	412.3	416.7	419.5	419.7	416.3	414.6	409.3	402.9	394.6
71.5°	391.2	395.0	399.2	402.8	405.0	404.5	400.9	398.9	393.7	388.1	380.7
72°	379.4	382.5	386.3	389.3	390.7	389.6	385.7	383.3	378.2	373.1	366.6
72.5°	367.8	370.1	373.6	375.7	376.8	374.8	370.3	367.6	362.8	358.6	352.7
73°	356.0	357.9	360.8	362.4	362.7	359.9	355.0	352.2	347.7	343.8	338.4
73.5°	344.6	346.0	348.3	349.2	348.7	345.3	339.9	337.0	332.7	329.3	324.8
74°	333.6	334.4	336.1	336.3	334.7	330.6	324.8	321.8	317.9	314.8	311.0
74.5°	322.3	322.8	323.7	323.2	320.8	316.2	309.7	306.4	302.9	300.2	297.7
75°	311.0	311.0	311.4	309.8	307.0	301.8	295.0	291.6	288.4	286.3	284.4
75.5°	300.1	299.7	299.3	297.2	293.6	287.5	280.3	276.8	273.5	272.4	271.3
76°	289.3	288.4	287.3	284.6	280.3	273.5	265.7	262.0	259.1	258.5	257.8
76.5°	278.6	277.1	275.5	271.9	267.1	259.6	251.0	247.3	244.9	244.9	245.2
77°	267.9	266.0	264.1	260.1	253.8	245.8	237.1	233.0	230.8	231.2	232.5
77.5°	257.4	255.2	252.5	247.8	240.9	232.1	222.9	218.8	216.7	218.2	220.1
78°	247.2	244.6	241.1	235.7	228.2	218.8	209.2	204.8	203.1	204.8	207.2
78.5°	237.1	234.0	230.1	224.0	215.8	205.7	195.6	191.0	189.6	192.0	195.6
79°	227.2	223.7	219.1	212.4	203.6	192.8	182.3	178.0	176.8	180.0	184.3
79.5°	217.3	213.4	208.3	200.7	191.6	180.0	168.8	165.0	164.1	168.1	173.1
80°	207.7	203.5	197.8	189.6	179.5	167.3	156.1	152.0	151.4	156.2	161.9
80.5°	198.2	193.6	187.4	178.3	167.9	155.4	143.6	138.9	138.7	144.2	150.7
81°	189.2	184.1	177.3	167.9	156.6	143.6	131.4	126.5	126.7	132.3	139.5
81.5°	180.1	174.7	167.4	157.4	145.7	132.1	119.4	113.9	115.1	121.0	129.0
82°	171.1	165.4	157.9	147.5	134.8	120.8	107.9	102.3	103.5	110.1	118.7
82.5°	162.4	156.5	148.5	137.3	124.4	109.9	96.9	91.4	92.6	99.8	109.0
83°	154.1	147.8	139.4	128.0	114.4	99.4	86.2	80.5	82.2	89.9	99.6
83.5°	145.9	139.5	130.6	118.8	104.7	89.5	76.0	70.4	72.5	80.3	90.6
84°	137.9	131.3	122.1	109.8	95.4	79.8	66.4	60.5	62.8	71.1	82.0
84.5°	130.3	123.3	113.7	101.0	86.5	70.7	58.1	51.3	53.8	62.4	73.9
85°	122.7	115.6	105.6	93.0	78.0	63.2	49.9	42.6	45.3	54.5	66.2
85.5°	115.4	108.1	98.1	85.2	70.2	55.9	41.7	34.6	37.5	47.0	59.1
86°	108.4	101.0	90.9	77.8	63.6	48.5	33.6	28.8	30.4	40.3	52.4
86.5°	101.7	94.3	83.9	70.8	57.2	41.1	26.5	22.9	25.7	33.9	46.2
87°	95.2	87.7	77.1	65.1	50.7	33.7	20.5	17.1	20.9	28.5	40.4
87.5°	88.9	81.2	71.0	59.4	44.3	27.9	15.3	11.2	16.2	24.9	35.2
88°	82.9	75.3	65.7	53.6	37.8	23.0	10.9	5.4	11.5	21.3	30.6
88.5°	77.2	69.3	60.5	47.8	32.8	18.8	7.6	2.5	7.0	17.7	26.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	62.6	55.2	45.2	33.4	20.9	9.7	3.4	0.8	2.9	8.8	18.7
90.5°	58.2	50.6	41.0	29.6	17.9	7.9	2.0	0.6	2.5	7.6	16.5
91°	53.7	46.4	37.1	26.2	15.3	6.9	1.5	0.4	2.2	6.7	14.3
91.5°	49.5	42.6	33.6	23.2	13.2	6.1	1.2	0.3	1.9	6.0	12.1
92°	45.6	38.9	30.3	20.7	11.6	5.2	1.0	0.3	1.8	5.6	11.1
92.5°	42.1	35.6	27.5	18.4	10.1	4.3	0.8	0.4	1.6	5.2	10.2
93°	38.9	32.7	24.9	16.5	9.1	3.9	0.7	0.5	1.5	4.9	9.6
93.5°	35.9	30.0	22.6	14.9	8.3	3.5	0.6	0.5	1.4	4.6	9.1
94°	33.1	27.4	20.6	13.5	7.6	3.2	0.6	0.6	1.3	4.5	8.7
94.5°	30.5	25.2	18.8	12.4	7.2	2.9	0.7	0.7	1.3	4.5	8.3
95°	28.2	23.2	17.3	11.5	6.8	2.7	0.7	0.7	1.4	4.4	8.0
95.5°	26.1	21.4	16.0	10.8	6.3	2.5	0.8	0.9	1.4	4.3	7.8
96°	24.2	19.9	14.9	10.2	5.9	2.3	0.9	1.0	1.4	4.2	7.6
96.5°	22.6	18.6	14.1	9.7	5.5	2.2	1.0	1.1	1.3	4.1	7.5
97°	21.1	17.4	13.3	9.2	5.2	2.0	1.1	1.2	1.3	3.9	7.3
97.5°	19.8	16.5	12.7	8.8	4.9	1.9	1.2	1.3	1.3	3.7	7.2
98°	18.7	15.7	12.1	8.4	4.7	1.8	1.3	1.4	1.3	3.6	7.1
98.5°	17.8	15.0	11.6	8.0	4.4	1.8	1.4	1.5	1.4	3.6	7.0
99°	17.0	14.4	11.2	7.6	4.2	1.7	1.5	1.7	1.6	3.5	6.9
99.5°	16.3	13.8	10.7	7.2	4.0	1.7	1.6	1.9	1.7	3.5	6.7
100°	15.7	13.3	10.2	6.8	3.7	1.7	1.7	2.0	1.8	3.5	6.6
100.5°	15.1	12.8	9.8	6.5	3.5	1.6	1.8	2.2	1.9	3.5	6.4
101°	14.6	12.3	9.4	6.1	3.3	1.6	1.9	2.3	2.0	3.4	6.3
101.5°	14.1	11.8	9.0	5.8	3.1	1.7	2.0	2.4	2.1	3.3	6.1
102°	13.5	11.3	8.6	5.5	2.9	1.7	2.0	2.5	2.2	3.2	6.0
102.5°	13.0	10.8	8.2	5.3	2.8	1.7	2.2	2.6	2.3	3.1	5.9
103°	12.5	10.4	7.8	5.0	2.6	1.7	2.3	2.6	2.4	3.0	5.8
103.5°	12.0	10.0	7.5	4.8	2.5	1.9	2.4	2.7	2.5	2.9	5.6
104°	11.6	9.6	7.2	4.5	2.5	2.0	2.5	2.8	2.6	2.8	5.5
104.5°	11.2	9.2	6.9	4.3	2.5	2.1	2.6	2.8	2.7	2.8	5.4
105°	10.7	8.8	6.6	4.1	2.4	2.2	2.8	2.9	2.8	2.8	5.2
105.5°	10.3	8.5	6.3	3.9	2.4	2.3	3.2	3.0	2.9	2.8	5.1
106°	9.9	8.1	6.0	3.7	2.4	2.4	3.7	3.1	3.0	2.7	4.9
106.5°	9.5	7.8	5.7	3.6	2.4	2.4	4.0	3.2	3.3	2.7	4.7
107°	9.1	7.5	5.5	3.4	2.3	2.4	4.3	3.3	3.7	2.6	4.5
107.5°	8.7	7.2	5.2	3.3	2.3	2.5	4.4	3.3	3.9	2.6	4.4
108°	8.4	6.8	4.9	3.2	2.4	2.6	4.3	3.4	3.9	2.6	4.2
108.5°	8.0	6.5	4.7	3.1	2.4	2.6	4.2	3.4	3.8	2.7	4.1
109°	7.7	6.2	4.5	3.0	2.5	2.7	4.1	3.5	3.8	2.8	4.0
109.5°	7.4	5.9	4.3	2.9	2.6	2.8	4.1	3.5	3.9	2.9	3.9
110°	7.1	5.7	4.1	2.8	2.6	2.9	4.0	3.6	3.9	2.9	3.8
110.5°	6.8	5.4	4.0	2.7	2.7	3.0	4.0	3.6	4.0	3.0	3.8
111°	6.5	5.2	3.8	2.7	2.7	3.2	4.0	3.7	4.1	3.1	3.7



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	5.7	4.5	3.4	2.7	2.8	3.6	4.1	3.8	4.5	3.3	3.6
113°	5.5	4.4	3.3	2.7	2.8	3.8	4.2	3.8	4.6	3.4	3.5
113.5°	5.3	4.2	3.2	2.7	2.9	4.0	4.3	3.9	4.6	3.4	3.4
114°	5.1	4.1	3.2	2.7	3.0	4.2	4.3	3.9	4.7	3.5	3.3
114.5°	4.9	4.0	3.2	2.7	3.1	4.4	4.4	3.9	4.7	3.5	3.1
115°	4.7	3.9	3.1	2.8	3.3	4.5	4.4	3.9	4.8	3.6	3.0
115.5°	4.5	3.8	3.1	2.8	3.4	4.7	4.5	3.9	4.8	3.7	3.0
116°	4.3	3.7	3.1	2.9	3.5	4.9	4.5	3.9	4.8	3.8	3.1
116.5°	4.2	3.7	3.0	3.0	3.6	5.1	4.6	3.9	4.9	3.8	3.1
117°	4.1	3.6	3.0	3.1	3.7	5.1	4.6	3.9	5.0	3.9	3.2
117.5°	3.9	3.5	3.0	3.2	3.8	5.1	4.7	4.0	5.0	4.0	3.3
118°	3.8	3.4	3.0	3.3	3.9	5.2	4.7	4.0	5.1	4.1	3.3
118.5°	3.8	3.4	3.0	3.4	4.0	5.4	4.8	4.0	5.1	4.1	3.4
119°	3.7	3.3	3.0	3.5	4.1	5.6	4.9	4.0	5.1	4.2	3.4
119.5°	3.6	3.2	3.0	3.6	4.2	5.8	4.9	4.0	5.2	4.4	3.5
120°	3.5	3.2	3.1	3.7	4.3	5.8	4.9	4.0	5.2	4.5	3.7
120.5°	3.4	3.1	3.2	3.8	4.4	6.0	5.0	4.0	5.2	4.7	3.7
121°	3.4	3.1	3.2	3.8	4.5	6.1	5.0	4.0	5.2	4.7	3.8
121.5°	3.3	3.1	3.3	3.9	4.6	6.1	5.0	4.0	5.3	4.7	3.9
122°	3.2	3.1	3.4	4.0	4.7	6.2	5.0	4.0	5.3	4.7	3.9
122.5°	3.2	3.1	3.5	4.1	4.8	6.1	4.9	4.0	5.3	4.7	4.0
123°	3.1	3.1	3.5	4.1	5.0	6.0	4.9	4.0	5.3	4.7	4.0
123.5°	3.1	3.1	3.6	4.2	5.1	5.9	4.9	4.0	5.3	4.8	4.1
124°	3.1	3.2	3.7	4.3	5.2	5.8	4.8	4.0	5.4	4.9	4.2
124.5°	3.1	3.2	3.8	4.3	5.3	5.7	4.8	4.0	5.4	4.9	4.2
125°	3.1	3.3	3.8	4.4	5.5	5.6	4.7	4.0	5.4	5.0	4.3
125.5°	3.1	3.4	3.9	4.5	5.6	5.6	4.7	4.0	5.4	5.0	4.3
126°	3.1	3.4	4.0	4.6	5.8	5.5	4.7	4.0	5.4	5.1	4.4
126.5°	3.2	3.5	4.1	4.7	6.0	5.4	4.7	4.0	5.4	5.1	4.4
127°	3.2	3.6	4.1	4.7	6.0	5.4	4.6	4.0	5.4	5.2	4.5
127.5°	3.3	3.6	4.2	4.8	6.0	5.3	4.6	4.1	5.4	5.2	4.5
128°	3.3	3.7	4.2	5.0	6.1	5.3	4.6	4.1	5.4	5.2	4.6
128.5°	3.3	3.7	4.3	5.1	6.2	5.3	4.6	4.1	5.4	5.2	4.7
129°	3.4	3.8	4.4	5.2	6.3	5.3	4.6	4.0	5.3	5.2	4.9
129.5°	3.5	3.9	4.4	5.3	6.4	5.3	4.6	4.0	5.3	5.2	5.0
130°	3.5	3.9	4.5	5.4	6.4	5.3	4.6	4.1	5.3	5.3	5.1
130.5°	3.6	4.0	4.6	5.5	6.5	5.3	4.5	4.1	5.3	5.3	5.1
131°	3.6	4.1	4.7	5.6	6.5	5.3	4.5	4.1	5.4	5.4	5.1
131.5°	3.7	4.1	4.8	5.7	6.6	5.3	4.5	4.1	5.4	5.4	5.1
132°	3.7	4.2	4.8	5.8	6.6	5.2	4.5	4.1	5.4	5.5	5.0
132.5°	3.8	4.3	4.9	5.9	6.6	5.2	4.5	4.1	5.4	5.5	5.1
133°	3.9	4.3	5.0	6.1	6.6	5.2	4.5	4.2	5.4	5.5	5.1
133.5°	3.9	4.4	5.1	6.2	6.6	5.1	4.5	4.2	5.3	5.5	5.1



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	4.1	4.6	5.4	6.6	6.3	5.1	4.5	4.2	5.2	5.6	5.0
135.5°	4.2	4.7	5.5	6.6	6.3	5.1	4.5	4.2	5.3	5.6	5.0
136°	4.3	4.8	5.6	6.6	6.2	5.1	4.6	4.2	5.3	5.6	5.1
136.5°	4.3	4.9	5.6	6.7	6.2	5.1	4.6	4.2	5.2	5.5	5.1
137°	4.4	4.9	5.7	6.7	6.1	5.1	4.6	4.2	5.2	5.5	5.1
137.5°	4.5	5.0	5.8	6.8	6.0	5.1	4.6	4.2	5.2	5.5	5.2
138°	4.6	5.1	6.0	6.8	5.9	5.1	4.6	4.2	5.1	5.5	5.2
138.5°	4.6	5.2	6.1	6.8	5.8	5.1	4.7	4.2	4.9	5.5	5.2
139°	4.7	5.3	6.2	6.8	5.8	5.1	4.7	4.2	4.8	5.5	5.2
139.5°	4.8	5.4	6.3	6.8	5.7	5.1	4.7	4.2	4.9	5.5	5.2
140°	4.8	5.4	6.4	6.8	5.6	5.1	4.7	4.2	5.0	5.5	5.2
140.5°	4.9	5.5	6.4	6.7	5.5	5.1	4.7	4.1	5.0	5.6	5.2
141°	5.0	5.6	6.5	6.6	5.4	5.1	4.6	4.1	5.0	5.6	5.2
141.5°	5.1	5.7	6.5	6.5	5.4	5.1	4.7	4.1	5.0	5.6	5.2
142°	5.2	5.8	6.6	6.4	5.3	5.1	4.7	4.1	5.0	5.7	5.2
142.5°	5.2	6.0	6.6	6.3	5.2	5.1	4.7	4.0	4.9	5.7	5.1
143°	5.3	6.1	6.7	6.2	5.2	5.1	4.6	3.9	4.9	5.5	5.0
143.5°	5.4	6.2	6.6	6.2	5.2	5.1	4.6	4.0	4.9	5.4	5.1
144°	5.5	6.3	6.6	6.1	5.1	5.1	4.6	4.0	4.9	5.4	5.2
144.5°	5.7	6.3	6.6	5.9	5.1	5.0	4.7	4.1	4.9	5.5	5.2
145°	5.8	6.3	6.5	5.8	5.0	5.0	4.7	4.1	4.8	5.7	5.2
145.5°	6.0	6.3	6.4	5.7	5.0	5.0	4.7	4.0	4.8	5.7	5.2
146°	6.1	6.3	6.3	5.6	5.0	5.1	4.7	4.0	4.7	5.7	5.2
146.5°	6.1	6.3	6.2	5.5	5.0	5.0	4.7	4.0	4.7	5.7	5.2
147°	6.1	6.2	6.1	5.4	4.9	5.0	4.6	4.0	4.6	5.6	5.3
147.5°	6.1	6.2	6.0	5.3	4.9	5.0	4.5	4.0	4.7	5.6	5.4
148°	6.1	6.2	5.9	5.2	4.9	4.8	4.4	4.1	4.7	5.6	5.4
148.5°	6.0	6.2	5.8	5.1	4.8	4.7	4.5	4.1	4.7	5.6	5.4
149°	6.0	6.1	5.7	5.0	4.8	4.8	4.6	4.1	4.6	5.5	5.5
149.5°	5.9	6.0	5.6	4.9	4.8	4.9	4.6	4.0	4.6	5.5	5.5
150°	5.9	5.9	5.4	4.8	4.7	4.8	4.5	4.1	4.6	5.5	5.5
150.5°	5.9	5.7	5.3	4.8	4.7	4.8	4.5	4.1	4.6	5.4	5.5
151°	5.9	5.6	5.2	4.7	4.6	4.7	4.5	4.1	4.5	5.4	5.3
151.5°	5.8	5.5	5.1	4.7	4.6	4.8	4.4	4.1	4.5	5.4	5.3
152°	5.7	5.4	4.9	4.6	4.7	4.8	4.4	4.1	4.4	5.3	5.4
152.5°	5.6	5.3	4.8	4.6	4.7	4.7	4.4	4.1	4.2	5.2	5.5
153°	5.5	5.2	4.7	4.5	4.7	4.7	4.3	4.0	4.0	5.1	5.5
153.5°	5.4	5.1	4.7	4.5	4.7	4.7	4.3	3.9	3.9	5.0	5.5
154°	5.2	4.9	4.6	4.5	4.7	4.7	4.3	3.8	3.9	4.9	5.5
154.5°	5.1	4.8	4.5	4.5	4.7	4.6	4.3	3.9	3.8	4.7	5.4
155°	5.0	4.7	4.4	4.4	4.6	4.4	4.3	3.8	3.7	4.5	5.2
155.5°	4.9	4.6	4.4	4.4	4.5	4.3	4.2	3.7	3.7	4.3	4.9
156°	4.8	4.5	4.3	4.4	4.4	4.3	4.1	3.6	3.7	4.2	4.7



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	4.5	4.3	4.3	4.4	4.3	4.2	3.6	3.5	3.6	4.1	4.7
158°	4.4	4.2	4.3	4.4	4.5	4.2	3.4	3.5	3.6	4.0	4.7
158.5°	4.3	4.2	4.3	4.4	4.5	4.1	3.4	3.5	3.6	4.0	4.6
159°	4.2	4.2	4.3	4.4	4.4	4.1	3.4	3.5	3.6	3.9	4.4
159.5°	4.2	4.2	4.3	4.3	4.3	4.1	3.4	3.5	3.5	3.9	4.4
160°	4.2	4.2	4.3	4.2	4.2	4.1	3.4	3.4	3.5	3.9	4.3
160.5°	4.1	4.2	4.3	4.2	4.2	4.1	3.4	3.4	3.5	3.8	4.3
161°	4.1	4.2	4.3	4.2	4.3	4.0	3.4	3.4	3.5	3.8	4.2
161.5°	4.1	4.2	4.3	4.4	4.4	3.7	3.4	3.4	3.5	3.7	4.2
162°	4.1	4.2	4.3	4.4	4.3	3.5	3.4	3.4	3.5	3.7	4.1
162.5°	4.1	4.2	4.4	4.4	4.1	3.4	3.4	3.4	3.5	3.7	4.1
163°	4.2	4.2	4.4	4.4	4.1	3.4	3.3	3.3	3.5	3.6	4.0
163.5°	4.2	4.3	4.4	4.4	3.8	3.4	3.3	3.3	3.5	3.6	4.0
164°	4.2	4.3	4.4	4.3	3.6	3.3	3.3	3.3	3.5	3.6	3.9
164.5°	4.2	4.3	4.4	4.2	3.5	3.3	3.3	3.3	3.5	3.6	3.9
165°	4.2	4.3	4.4	4.2	3.5	3.3	3.3	3.3	3.5	3.6	3.9
165.5°	4.3	4.4	4.4	4.1	3.4	3.3	3.3	3.3	3.5	3.6	3.8
166°	4.3	4.4	4.4	4.1	3.4	3.3	3.3	3.3	3.4	3.5	3.8
166.5°	4.3	4.4	4.4	4.1	3.4	3.3	3.3	3.3	3.4	3.5	3.8
167°	4.4	4.4	4.4	3.9	3.4	3.3	3.4	3.3	3.4	3.5	3.8
167.5°	4.4	4.4	4.3	3.6	3.4	3.3	3.4	3.3	3.4	3.5	3.7
168°	4.4	4.5	4.2	3.5	3.4	3.3	3.4	3.4	3.4	3.5	3.7
168.5°	4.4	4.4	4.1	3.5	3.3	3.4	3.4	3.4	3.4	3.5	3.7
169°	4.4	4.4	4.0	3.5	3.3	3.4	3.4	3.4	3.4	3.6	3.6
169.5°	4.4	4.4	4.0	3.4	3.3	3.4	3.5	3.4	3.4	3.6	3.6
170°	4.4	4.3	4.0	3.4	3.4	3.5	3.7	3.6	3.4	3.6	3.8
170.5°	4.4	4.2	3.6	3.4	3.4	3.6	3.8	3.8	3.4	3.8	4.2
171°	4.4	4.1	3.4	3.3	3.4	3.7	3.9	3.8	3.5	4.1	4.1
171.5°	4.3	4.0	3.4	3.3	3.4	3.7	4.0	3.8	3.8	4.1	4.1
172°	4.2	3.9	3.4	3.3	3.5	3.9	3.9	3.8	3.9	4.1	4.1
172.5°	4.1	3.8	3.3	3.3	3.6	4.0	3.9	3.9	3.8	4.0	4.1
173°	4.1	3.8	3.3	3.3	3.6	4.0	3.9	3.9	3.9	4.0	4.1
173.5°	4.0	3.7	3.3	3.3	3.6	3.9	3.9	3.9	3.9	3.9	4.1
174°	3.9	3.4	3.2	3.4	3.6	3.9	3.9	3.9	3.9	3.9	4.1
174.5°	3.8	3.3	3.2	3.4	3.9	4.0	3.9	3.9	3.9	3.9	4.0
175°	3.8	3.3	3.3	3.4	3.9	4.0	3.9	3.9	3.9	3.9	4.0
175.5°	3.7	3.4	3.3	3.5	3.8	4.0	3.9	3.9	3.9	3.9	3.9
176°	3.7	3.4	3.3	3.5	3.8	4.0	3.9	3.9	3.9	3.9	3.9
176.5°	3.7	3.5	3.4	3.5	3.7	3.9	3.9	3.9	3.9	3.9	3.9
177°	3.7	3.5	3.4	3.5	3.8	4.0	3.9	3.9	3.9	3.9	3.9
177.5°	3.6	3.4	3.3	3.5	3.8	3.9	3.9	3.8	3.8	3.8	3.8
178°	3.3	3.2	3.2	3.3	3.5	3.7	3.8	3.8	3.8	3.7	3.7
178.5°	3.4	3.2	3.2	3.3	3.4	3.5	3.6	3.7	3.7	3.7	3.8



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9	1979.9
0.5°	1979.1	1979.2	1979.2	1979.2	1979.3	1979.3	1979.3	1979.4	1979.4	1979.5	1979.5
1°	1978.6	1978.6	1978.3	1977.9	1977.5	1977.2	1977.4	1977.8	1978.3	1978.7	1979.0
1.5°	1977.5	1977.5	1977.6	1977.3	1977.2	1977.1	1977.3	1977.6	1977.9	1978.1	1978.3
2°	1975.8	1975.8	1975.6	1975.2	1974.9	1974.9	1975.1	1975.6	1976.2	1976.7	1976.8
2.5°	1974.7	1974.5	1973.6	1972.8	1972.9	1973.2	1973.2	1973.4	1974.0	1974.9	1975.4
3°	1972.8	1972.5	1971.5	1971.1	1971.4	1971.7	1971.6	1971.5	1972.1	1973.0	1973.2
3.5°	1969.7	1969.5	1969.3	1968.6	1968.8	1969.5	1969.8	1970.1	1970.6	1971.2	1972.0
4°	1968.2	1968.0	1967.2	1966.4	1966.7	1967.3	1967.7	1967.8	1967.9	1968.8	1969.5
4.5°	1965.1	1964.6	1964.5	1964.5	1964.4	1964.1	1964.3	1964.9	1965.2	1966.5	1968.0
5°	1962.7	1962.4	1961.3	1960.8	1960.2	1959.9	1960.7	1961.8	1963.0	1964.5	1966.3
5.5°	1960.2	1959.2	1958.5	1957.8	1957.4	1957.8	1957.8	1958.7	1960.2	1962.1	1964.0
6°	1956.6	1955.8	1955.2	1954.6	1954.5	1954.1	1954.0	1954.8	1956.6	1958.1	1960.5
6.5°	1953.1	1951.7	1951.1	1950.7	1950.3	1950.6	1950.6	1951.7	1953.4	1955.2	1957.8
7°	1950.3	1949.0	1947.3	1946.4	1946.6	1947.0	1947.4	1948.4	1950.3	1951.7	1955.2
7.5°	1947.0	1945.6	1943.3	1942.7	1941.9	1941.2	1942.2	1943.9	1945.8	1948.1	1951.4
8°	1942.5	1941.4	1939.4	1938.1	1937.3	1937.5	1938.1	1939.7	1941.6	1943.8	1947.5
8.5°	1938.2	1936.0	1934.9	1933.7	1932.6	1933.0	1933.3	1935.1	1937.6	1939.9	1943.6
9°	1933.3	1931.5	1930.1	1928.5	1928.2	1928.2	1928.2	1929.9	1932.9	1936.4	1940.7
9.5°	1929.3	1927.2	1924.5	1923.5	1922.9	1922.6	1922.9	1925.0	1928.0	1931.6	1936.3
10°	1926.0	1922.3	1919.8	1918.1	1917.6	1917.5	1917.4	1919.6	1923.2	1927.1	1931.4
10.5°	1920.3	1917.4	1914.3	1912.2	1911.4	1910.5	1912.0	1914.6	1917.9	1922.2	1927.6
11°	1914.8	1911.7	1908.6	1906.8	1905.7	1905.5	1906.0	1908.3	1912.4	1916.5	1922.4
11.5°	1909.2	1905.8	1902.6	1900.5	1899.6	1898.8	1900.0	1902.4	1906.6	1912.2	1916.5
12°	1904.5	1899.8	1896.3	1894.3	1893.0	1892.5	1894.2	1897.0	1901.0	1907.0	1912.6
12.5°	1899.1	1894.1	1890.5	1888.3	1886.9	1885.5	1887.5	1890.4	1894.7	1900.6	1907.7
13°	1893.2	1887.7	1883.8	1881.1	1878.9	1878.3	1880.7	1883.6	1887.8	1894.5	1901.2
13.5°	1886.2	1880.8	1876.8	1873.7	1871.6	1871.4	1873.5	1876.2	1881.3	1887.8	1895.7
14°	1880.4	1874.4	1870.0	1866.7	1864.3	1865.0	1865.7	1869.2	1875.0	1882.4	1888.8
14.5°	1873.7	1867.0	1863.0	1859.7	1856.2	1856.7	1858.9	1861.9	1867.8	1875.6	1883.0
15°	1866.8	1860.2	1855.9	1851.7	1849.3	1848.9	1850.8	1854.8	1860.1	1868.1	1876.3
15.5°	1860.4	1853.4	1847.7	1843.3	1841.6	1840.5	1842.5	1846.7	1853.0	1861.0	1869.7
16°	1853.3	1846.0	1839.7	1834.9	1832.1	1832.0	1833.8	1838.4	1844.9	1853.2	1862.3
16.5°	1845.8	1838.3	1831.9	1826.7	1824.1	1824.3	1826.0	1830.1	1837.3	1845.7	1855.0
17°	1838.3	1830.3	1824.0	1818.8	1815.9	1815.4	1817.3	1821.7	1829.0	1838.7	1847.8
17.5°	1830.5	1822.3	1815.6	1810.1	1807.0	1806.1	1808.8	1812.8	1820.3	1830.5	1841.0
18°	1822.4	1813.7	1806.8	1800.8	1797.4	1796.3	1798.4	1804.6	1812.2	1822.2	1833.3
18.5°	1814.1	1805.5	1797.4	1791.0	1788.2	1787.6	1789.7	1795.6	1804.1	1814.0	1825.1
19°	1806.5	1796.2	1788.0	1781.6	1779.3	1777.3	1779.4	1785.6	1794.0	1805.1	1816.1
19.5°	1797.0	1787.1	1778.6	1772.0	1769.3	1767.6	1770.2	1775.8	1784.6	1796.7	1808.3
20°	1788.8	1778.6	1769.5	1762.3	1758.4	1757.7	1760.9	1766.4	1775.8	1787.8	1800.9
20.5°	1780.1	1769.1	1759.9	1752.1	1747.7	1747.3	1750.5	1757.1	1766.4	1778.8	1792.5
21°	1770.6	1759.8	1750.0	1741.8	1737.0	1736.8	1739.9	1746.6	1756.8	1769.8	1783.0



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1742.4	1729.5	1718.8	1710.5	1704.5	1703.6	1706.4	1713.6	1725.3	1740.7	1755.2
23°	1733.1	1719.3	1708.5	1699.3	1693.5	1693.2	1695.4	1703.1	1715.2	1730.6	1746.4
23.5°	1722.7	1708.4	1697.1	1688.0	1682.9	1680.8	1683.7	1691.7	1704.5	1719.8	1736.4
24°	1712.7	1698.0	1685.8	1675.6	1670.7	1668.6	1671.4	1680.7	1693.1	1709.1	1725.8
24.5°	1702.3	1687.5	1674.2	1663.8	1658.8	1656.1	1660.3	1670.1	1682.7	1698.6	1716.0
25°	1693.1	1676.6	1663.8	1652.7	1647.4	1644.3	1648.4	1658.4	1671.5	1687.9	1705.3
25.5°	1681.1	1665.1	1652.2	1640.7	1634.3	1632.1	1636.0	1645.6	1659.3	1676.6	1695.3
26°	1670.1	1653.6	1639.7	1628.7	1622.4	1619.5	1623.9	1633.5	1648.4	1666.0	1685.0
26.5°	1659.2	1642.4	1627.4	1616.3	1610.1	1607.0	1610.6	1621.4	1636.3	1654.8	1673.7
27°	1648.8	1631.5	1615.7	1603.2	1596.7	1594.9	1598.2	1608.6	1624.3	1642.8	1662.7
27.5°	1637.2	1618.6	1603.3	1590.2	1582.9	1582.2	1585.7	1595.8	1611.8	1631.8	1651.1
28°	1625.1	1606.8	1591.1	1577.5	1570.7	1568.5	1573.0	1584.2	1600.1	1619.7	1640.5
28.5°	1614.0	1595.4	1578.7	1565.5	1557.6	1555.1	1559.2	1570.9	1587.7	1607.4	1628.0
29°	1602.3	1582.6	1565.8	1551.7	1543.8	1542.7	1546.9	1557.1	1574.0	1594.8	1616.5
29.5°	1590.3	1569.8	1552.8	1538.5	1530.7	1528.2	1531.8	1544.1	1561.6	1583.2	1605.5
30°	1578.1	1557.1	1539.8	1525.2	1516.7	1514.5	1519.3	1531.2	1548.9	1571.1	1593.4
30.5°	1565.6	1544.8	1526.6	1511.6	1503.7	1500.7	1505.2	1517.4	1535.4	1557.9	1580.9
31°	1553.3	1531.9	1513.4	1498.2	1489.8	1486.8	1491.9	1504.2	1522.3	1545.0	1569.2
31.5°	1540.5	1518.9	1500.1	1484.4	1475.4	1472.4	1477.7	1490.7	1509.4	1532.6	1556.4
32°	1527.6	1506.1	1486.8	1470.0	1461.0	1458.0	1463.4	1476.5	1496.4	1519.7	1544.1
32.5°	1515.6	1493.0	1472.9	1455.5	1446.6	1443.7	1449.2	1462.1	1482.7	1506.9	1531.4
33°	1502.4	1479.2	1459.1	1441.1	1432.2	1429.3	1434.9	1447.9	1468.6	1493.9	1519.0
33.5°	1488.7	1465.3	1445.3	1426.6	1417.8	1414.9	1420.6	1433.6	1454.6	1480.5	1506.2
34°	1477.4	1451.7	1431.6	1412.9	1402.5	1400.3	1405.1	1419.2	1440.5	1466.8	1493.2
34.5°	1463.5	1438.1	1417.6	1399.2	1388.2	1385.0	1390.8	1405.4	1426.6	1453.2	1480.6
35°	1449.6	1424.1	1402.2	1384.5	1373.7	1370.1	1376.3	1391.1	1412.5	1439.5	1467.3
35.5°	1435.9	1410.2	1388.0	1370.0	1359.0	1355.4	1361.5	1376.7	1398.0	1425.8	1453.9
36°	1422.1	1396.4	1374.0	1354.6	1343.5	1340.3	1346.2	1360.7	1383.5	1412.1	1440.5
36.5°	1408.1	1382.0	1358.4	1339.7	1328.0	1325.4	1331.2	1346.5	1368.8	1397.2	1427.1
37°	1394.0	1366.9	1344.1	1325.1	1312.7	1309.5	1315.8	1331.9	1354.3	1382.8	1413.1
37.5°	1380.0	1352.5	1329.3	1310.2	1298.6	1294.5	1300.9	1316.4	1339.2	1368.2	1399.2
38°	1365.3	1337.7	1314.1	1294.2	1282.5	1279.9	1285.3	1301.7	1325.1	1354.1	1384.2
38.5°	1351.1	1323.5	1299.2	1279.5	1267.5	1263.5	1270.4	1286.5	1310.1	1339.8	1370.3
39°	1336.9	1309.0	1284.1	1264.1	1252.3	1248.7	1255.5	1271.6	1295.3	1325.3	1356.2
39.5°	1322.2	1294.6	1269.5	1248.8	1237.3	1233.1	1239.3	1256.0	1280.1	1310.4	1342.2
40°	1308.1	1279.4	1254.4	1233.9	1221.4	1217.7	1224.4	1240.9	1264.9	1295.7	1327.7
40.5°	1293.5	1264.5	1239.3	1218.4	1205.7	1202.2	1208.1	1224.9	1250.6	1280.9	1313.6
41°	1279.0	1249.4	1224.0	1202.5	1190.3	1186.6	1193.6	1210.3	1235.0	1266.2	1298.6
41.5°	1264.0	1234.6	1208.9	1187.7	1174.9	1171.4	1177.5	1195.0	1220.1	1251.4	1284.1
42°	1248.9	1219.3	1193.2	1172.3	1158.9	1155.5	1162.5	1179.1	1204.7	1236.0	1270.1
42.5°	1234.7	1204.8	1178.0	1156.8	1143.6	1140.2	1146.7	1164.1	1190.0	1220.7	1254.5
43°	1220.0	1189.1	1163.1	1141.3	1127.6	1125.0	1131.8	1148.9	1174.7	1206.2	1240.1
43.5°	1204.7	1174.3	1147.5	1125.5	1112.8	1109.0	1115.8	1132.8	1158.6	1191.3	1225.1



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	1159.3	1127.8	1100.9	1079.4	1066.7	1062.3	1068.8	1086.8	1112.3	1145.6	1180.3
45.5°	1144.2	1112.9	1086.3	1063.8	1051.0	1047.1	1054.0	1071.6	1097.2	1130.2	1164.9
46°	1128.9	1097.9	1070.5	1048.7	1035.3	1032.2	1038.8	1056.5	1082.5	1114.9	1150.0
46.5°	1113.5	1082.4	1055.3	1033.3	1020.1	1016.6	1023.2	1041.4	1067.3	1099.7	1134.5
47°	1098.6	1066.7	1039.8	1017.9	1004.3	1001.1	1008.1	1025.4	1051.7	1084.3	1119.9
47.5°	1082.9	1051.5	1024.7	1002.6	989.3	986.2	992.8	1010.2	1036.2	1069.1	1104.3
48°	1067.1	1036.6	1008.7	987.1	974.3	970.4	976.9	994.7	1020.9	1053.5	1088.8
48.5°	1051.8	1021.0	994.0	972.2	959.3	955.3	962.4	979.5	1005.5	1038.3	1073.1
49°	1036.8	1005.5	978.6	957.3	943.6	940.1	947.5	964.8	991.0	1023.6	1057.8
49.5°	1022.1	990.2	963.8	942.2	928.5	925.7	932.2	949.7	975.1	1008.0	1043.0
50°	1005.4	975.0	948.1	926.7	913.5	910.3	917.7	934.2	960.6	992.4	1028.0
50.5°	990.9	959.6	932.2	911.4	899.1	895.6	901.7	918.9	945.0	977.1	1012.4
51°	975.2	944.0	917.8	896.8	883.8	881.4	887.4	904.2	929.5	961.9	997.3
51.5°	959.6	928.9	903.0	882.1	869.0	866.2	872.9	889.9	914.9	946.9	981.6
52°	943.8	914.3	888.1	867.4	854.3	851.4	858.1	875.3	900.2	932.4	966.4
52.5°	928.6	899.1	873.1	852.4	840.1	837.5	843.3	860.5	885.5	917.1	951.0
53°	913.4	883.9	857.7	837.5	825.3	823.0	829.0	845.6	870.4	901.7	935.9
53.5°	898.2	868.8	842.7	823.0	810.7	808.1	815.0	830.7	855.7	886.7	921.3
54°	883.0	853.9	827.9	808.5	796.4	793.0	799.8	815.9	840.6	871.6	905.8
54.5°	867.7	838.3	813.2	793.8	781.9	779.4	786.0	801.5	826.1	856.5	890.0
55°	852.2	823.0	798.6	779.6	767.5	765.1	771.4	787.3	811.2	841.9	874.8
55.5°	837.4	808.4	783.9	765.0	754.0	751.3	757.6	772.9	796.6	826.9	859.2
56°	821.8	793.4	769.2	750.9	739.6	737.4	743.5	758.4	781.8	812.0	844.4
56.5°	806.4	778.2	755.1	736.9	725.2	722.9	729.6	744.6	767.7	797.1	829.0
57°	791.4	763.7	740.3	722.6	711.5	709.6	715.7	730.8	753.0	782.0	814.0
57.5°	775.7	749.2	726.3	708.3	697.6	695.4	701.2	716.2	738.8	767.1	798.6
58°	760.8	734.3	711.7	694.4	684.3	681.9	687.9	702.2	724.3	752.3	783.7
58.5°	745.5	720.0	697.7	680.4	670.4	668.5	674.3	688.4	710.4	737.9	769.1
59°	730.6	705.3	683.3	666.9	656.6	654.8	660.6	674.7	696.1	723.5	754.0
59.5°	715.7	690.5	669.6	652.9	642.8	641.2	647.7	661.0	682.3	708.8	738.9
60°	700.5	676.3	655.8	639.0	630.1	628.4	633.9	647.2	668.1	694.4	723.5
60.5°	685.8	661.8	641.6	625.5	616.5	614.7	620.4	633.6	654.3	680.0	708.3
61°	670.6	647.5	627.5	612.1	603.1	601.7	606.9	620.3	640.2	665.6	694.0
61.5°	655.8	633.2	614.0	599.2	590.8	588.7	594.3	607.1	626.7	651.3	678.7
62°	640.6	619.0	600.6	585.5	577.1	575.9	581.1	594.0	612.8	637.3	663.9
62.5°	626.4	605.0	586.7	572.3	563.9	563.1	568.2	580.6	599.3	623.2	649.3
63°	611.8	591.0	572.7	559.0	551.4	550.1	555.2	567.3	585.6	608.9	634.6
63.5°	597.3	576.8	559.3	546.0	538.8	537.5	542.6	554.3	572.2	595.2	620.4
64°	582.4	562.8	546.7	533.2	526.1	525.0	529.7	541.5	558.6	581.3	605.5
64.5°	568.0	549.0	533.0	520.2	513.2	512.6	517.3	528.5	545.4	567.1	591.2
65°	553.6	535.3	519.7	507.6	501.1	500.0	505.0	515.9	532.4	553.4	576.7
65.5°	539.2	521.7	507.1	495.1	488.5	487.7	492.6	503.2	519.5	539.6	562.3
66°	525.3	508.1	494.1	482.1	475.8	475.1	479.7	490.3	506.1	526.1	547.8



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	482.1	467.3	454.7	445.1	439.7	439.1	443.6	453.2	467.3	485.4	504.8
68°	468.1	454.1	442.1	432.7	427.9	427.5	431.7	441.0	454.3	472.1	491.2
68.5°	454.4	440.8	429.4	420.7	416.1	415.4	419.8	429.0	442.0	458.9	477.5
69°	440.5	427.6	417.0	408.8	404.3	404.1	407.9	416.8	429.5	445.6	463.7
69.5°	426.7	414.7	404.5	396.6	392.2	392.2	396.1	404.8	416.9	432.3	449.5
70°	413.3	401.8	392.3	384.6	380.9	381.1	384.7	392.8	404.4	419.1	435.6
70.5°	399.1	388.8	379.9	373.2	369.6	369.7	373.4	380.9	392.0	406.5	421.6
71°	385.8	376.0	368.0	361.6	358.3	358.4	361.9	369.3	380.0	393.4	408.5
71.5°	372.5	363.4	355.9	350.0	346.8	347.0	350.7	357.6	368.0	380.8	394.7
72°	359.2	351.0	344.0	338.5	335.8	336.4	339.6	346.3	356.0	368.2	381.5
72.5°	345.8	338.5	332.2	327.2	324.8	325.2	328.6	335.0	344.1	355.6	367.9
73°	332.9	326.3	320.4	316.0	313.7	314.3	317.4	323.7	332.0	343.1	355.4
73.5°	319.9	314.0	308.6	304.9	303.1	303.5	306.8	312.3	320.6	330.7	341.9
74°	306.9	301.8	297.5	294.1	292.2	293.4	296.0	301.4	309.1	318.7	328.8
74.5°	294.2	289.9	286.0	283.4	281.9	282.8	285.6	290.7	297.8	306.5	315.7
75°	281.8	278.3	275.1	272.5	271.4	272.4	275.0	279.8	286.4	294.5	303.5
75.5°	269.5	266.6	263.7	262.0	261.2	262.1	264.6	269.1	275.1	282.5	290.7
76°	256.9	255.1	253.3	251.5	250.8	252.0	254.3	258.7	264.4	270.9	278.3
76.5°	244.9	243.6	242.4	241.3	240.9	242.0	244.3	248.3	253.3	259.2	265.8
77°	233.1	232.4	232.1	231.3	231.1	232.2	234.5	238.0	242.6	247.8	253.7
77.5°	221.2	221.5	221.4	221.5	221.6	222.8	225.0	228.0	232.2	236.7	241.2
78°	209.7	211.0	211.3	211.7	212.4	213.4	215.3	218.3	222.0	225.8	229.6
78.5°	198.6	200.7	201.5	202.1	203.1	204.3	206.1	208.6	211.5	214.9	217.9
79°	187.5	190.0	191.7	192.9	193.8	195.2	196.9	199.2	201.6	204.1	206.6
79.5°	177.0	180.1	182.3	183.9	185.1	186.4	188.3	190.0	191.9	193.8	195.0
80°	166.6	170.9	173.6	175.4	177.0	178.0	179.4	180.8	182.7	183.6	184.2
80.5°	156.2	161.5	164.9	167.2	168.9	170.0	171.3	172.4	173.9	173.9	173.9
81°	145.8	152.2	156.2	159.0	160.9	162.0	163.2	164.2	165.1	164.6	163.7
81.5°	136.2	142.8	147.4	150.7	152.8	154.0	155.2	156.0	156.3	155.2	153.4
82°	127.1	133.8	138.8	142.5	144.7	146.1	147.1	147.9	147.5	145.8	143.2
82.5°	117.9	125.5	130.7	134.6	137.2	138.7	139.6	139.8	138.8	136.8	133.1
83°	109.0	117.1	122.9	127.1	129.8	131.4	132.2	132.0	130.7	128.0	124.0
83.5°	100.6	109.0	115.3	119.7	122.5	124.0	124.9	124.5	122.9	119.6	114.8
84°	92.5	101.3	107.9	112.6	115.5	117.3	117.9	117.3	115.2	111.4	106.1
84.5°	84.8	94.2	101.0	105.7	108.9	110.5	111.0	110.2	107.9	103.6	97.5
85°	77.5	87.1	94.1	99.1	102.4	104.1	104.4	103.4	100.7	96.2	89.6
85.5°	70.6	80.3	87.6	92.8	96.1	97.6	97.9	96.9	93.9	89.0	82.0
86°	64.1	73.8	81.4	86.8	90.1	91.7	92.0	90.7	87.3	82.0	74.7
86.5°	57.8	67.9	75.5	80.9	84.3	85.9	86.1	84.6	81.2	75.4	67.7
87°	52.1	62.2	69.8	75.4	78.9	80.5	80.6	78.8	75.2	69.3	61.2
87.5°	46.8	56.8	64.6	70.2	73.6	75.3	75.2	73.5	69.6	63.5	55.2
88°	42.0	51.9	59.7	65.3	68.7	70.2	70.3	68.3	64.2	58.2	49.6
88.5°	37.5	47.4	55.0	60.6	64.0	65.5	65.4	63.3	59.3	53.0	44.5



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	26.8	35.7	42.9	48.2	51.6	53.1	52.7	50.4	46.1	39.8	31.4
90.5°	24.1	32.5	39.5	44.7	48.0	49.4	49.0	46.7	42.4	36.2	28.0
91°	21.6	29.7	36.4	41.5	44.7	46.0	45.6	43.3	39.1	32.8	25.0
91.5°	19.6	27.2	33.6	38.5	41.7	42.9	42.4	40.2	35.9	29.9	22.4
92°	18.4	25.0	31.1	35.8	38.8	40.0	39.5	37.2	33.1	27.3	20.1
92.5°	17.2	23.1	28.9	33.4	36.3	37.3	36.9	34.6	30.6	25.0	18.7
93°	16.0	21.5	27.0	31.2	33.9	34.9	34.5	32.3	28.4	23.0	17.4
93.5°	14.8	20.1	25.3	29.3	31.9	32.9	32.3	30.2	26.4	21.4	16.1
94°	13.6	19.0	23.9	27.6	30.1	31.0	30.5	28.4	24.8	19.9	14.8
94.5°	13.0	18.1	22.7	26.2	28.5	29.3	28.8	26.7	23.3	18.7	13.4
95°	12.5	17.3	21.6	25.0	27.1	27.9	27.3	25.4	22.1	17.7	12.7
95.5°	12.0	16.6	20.7	23.8	25.9	26.5	26.0	24.1	21.0	16.8	12.2
96°	11.6	16.1	19.8	22.8	24.7	25.4	24.8	23.0	20.0	16.2	11.8
96.5°	11.3	15.6	19.1	21.9	23.7	24.4	23.8	22.1	19.2	15.6	11.3
97°	11.0	15.1	18.5	21.1	22.8	23.4	23.0	21.4	18.6	15.0	10.8
97.5°	10.8	14.7	17.9	20.4	22.0	22.6	22.2	20.7	18.0	14.4	10.4
98°	10.7	14.2	17.3	19.8	21.3	21.9	21.5	20.1	17.5	13.8	9.9
98.5°	10.5	13.8	16.9	19.2	20.7	21.3	20.9	19.4	16.9	13.3	9.6
99°	10.4	13.6	16.5	18.7	20.1	20.7	20.2	18.8	16.3	12.8	9.4
99.5°	10.2	13.4	16.1	18.2	19.5	20.1	19.6	18.2	15.9	12.4	9.3
100°	10.1	13.2	15.8	17.8	19.1	19.5	19.1	17.7	15.4	12.1	9.2
100.5°	9.9	13.0	15.5	17.4	18.6	19.1	18.5	17.1	14.9	11.9	9.1
101°	9.8	12.8	15.2	17.1	18.2	18.6	18.1	16.7	14.5	11.7	9.0
101.5°	9.6	12.6	15.0	16.7	17.8	18.2	17.6	16.2	14.0	11.6	8.8
102°	9.5	12.5	14.7	16.4	17.4	17.8	17.2	15.9	13.8	11.4	8.7
102.5°	9.3	12.3	14.5	16.2	17.1	17.4	16.9	15.7	13.7	11.3	8.5
103°	9.1	12.1	14.2	15.9	16.9	17.2	16.7	15.5	13.5	11.2	8.3
103.5°	8.9	11.9	14.1	15.7	16.6	16.9	16.5	15.3	13.3	11.0	8.1
104°	8.7	11.7	13.9	15.5	16.4	16.7	16.2	15.1	13.2	10.9	7.8
104.5°	8.5	11.5	13.7	15.2	16.1	16.5	16.0	14.9	13.0	10.7	7.6
105°	8.3	11.2	13.4	15.0	15.9	16.3	15.8	14.7	12.9	10.5	7.4
105.5°	8.1	11.0	13.2	14.7	15.7	16.1	15.7	14.5	12.7	10.3	7.2
106°	8.0	10.8	13.0	14.5	15.4	15.9	15.5	14.3	12.5	10.0	7.0
106.5°	7.8	10.5	12.7	14.2	15.2	15.7	15.2	14.1	12.3	9.7	6.8
107°	7.6	10.3	12.4	14.0	14.9	15.4	15.0	13.9	12.0	9.4	6.6
107.5°	7.4	10.1	12.1	13.7	14.6	15.1	14.7	13.6	11.7	9.2	6.4
108°	7.2	9.9	11.9	13.5	14.4	14.8	14.5	13.3	11.4	8.9	6.3
108.5°	7.0	9.7	11.7	13.2	14.1	14.5	14.2	13.0	11.1	8.7	6.1
109°	6.8	9.5	11.4	12.9	13.8	14.2	13.9	12.7	10.8	8.5	5.9
109.5°	6.6	9.3	11.2	12.6	13.5	13.9	13.6	12.4	10.5	8.2	5.8
110°	6.4	9.0	10.9	12.3	13.2	13.6	13.3	12.1	10.2	8.0	5.6
110.5°	6.2	8.8	10.6	12.0	12.9	13.3	12.9	11.8	10.0	7.8	5.5
111°	6.0	8.5	10.4	11.8	12.6	12.9	12.6	11.5	9.7	7.7	5.3



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	5.4	7.8	9.8	11.0	11.7	12.0	11.8	10.6	9.0	7.1	4.8
113°	5.2	7.6	9.5	10.7	11.5	11.8	11.5	10.4	8.7	7.0	4.6
113.5°	5.0	7.4	9.3	10.5	11.2	11.5	11.2	10.1	8.5	6.8	4.5
114°	4.8	7.1	9.1	10.2	11.0	11.2	10.9	9.9	8.3	6.6	4.3
114.5°	4.7	6.9	8.8	10.0	10.7	11.0	10.7	9.7	8.1	6.4	4.2
115°	4.6	6.6	8.6	9.8	10.5	10.7	10.4	9.4	7.9	6.2	4.1
115.5°	4.4	6.4	8.3	9.6	10.2	10.4	10.2	9.1	7.6	6.0	4.0
116°	4.4	6.1	8.1	9.4	10.0	10.2	9.9	8.9	7.4	5.7	3.9
116.5°	4.3	5.9	7.8	9.1	9.8	9.9	9.6	8.6	7.2	5.6	3.8
117°	4.2	5.7	7.6	8.9	9.6	9.7	9.4	8.4	7.0	5.4	3.8
117.5°	4.2	5.5	7.3	8.6	9.4	9.4	9.1	8.1	6.7	5.2	3.7
118°	4.1	5.3	7.0	8.4	9.1	9.2	8.9	7.9	6.5	5.1	3.6
118.5°	4.0	5.2	6.7	8.1	8.8	9.0	8.6	7.7	6.2	4.9	3.5
119°	3.9	5.0	6.5	7.8	8.6	8.7	8.4	7.4	6.0	4.7	3.3
119.5°	3.8	4.9	6.2	7.5	8.3	8.5	8.1	7.1	5.7	4.6	3.1
120°	3.6	4.7	6.0	7.2	8.0	8.2	7.9	6.8	5.5	4.4	3.0
120.5°	3.4	4.6	5.8	6.9	7.7	7.9	7.6	6.6	5.3	4.3	3.0
121°	3.3	4.5	5.6	6.7	7.4	7.6	7.3	6.3	5.2	4.2	2.9
121.5°	3.2	4.4	5.4	6.4	7.1	7.3	7.0	6.1	5.0	4.1	2.9
122°	3.2	4.4	5.3	6.2	6.8	7.0	6.7	5.9	4.9	4.0	2.9
122.5°	3.3	4.3	5.1	6.0	6.6	6.8	6.5	5.7	4.7	3.9	2.9
123°	3.3	4.2	5.0	5.8	6.3	6.5	6.2	5.5	4.6	3.7	3.0
123.5°	3.4	4.0	4.9	5.6	6.1	6.3	6.0	5.4	4.4	3.5	3.0
124°	3.5	3.9	4.7	5.5	5.9	6.1	5.8	5.2	4.3	3.3	3.1
124.5°	3.5	3.7	4.6	5.3	5.7	5.9	5.7	5.1	4.2	3.1	3.1
125°	3.6	3.5	4.5	5.2	5.6	5.7	5.5	5.0	4.1	3.0	3.2
125.5°	3.7	3.3	4.4	5.0	5.4	5.5	5.4	4.8	4.0	2.8	3.2
126°	3.7	3.2	4.2	4.9	5.3	5.4	5.2	4.7	3.8	2.7	3.3
126.5°	3.8	3.2	4.1	4.8	5.1	5.2	5.1	4.6	3.6	2.7	3.3
127°	3.9	3.2	3.9	4.6	5.0	5.1	5.0	4.5	3.4	2.7	3.4
127.5°	3.9	3.3	3.7	4.5	4.9	5.0	4.9	4.4	3.3	2.8	3.4
128°	4.0	3.3	3.5	4.4	4.8	4.8	4.7	4.2	3.2	2.8	3.4
128.5°	4.1	3.4	3.3	4.2	4.7	4.7	4.6	4.0	3.0	2.9	3.4
129°	4.2	3.5	3.2	4.0	4.5	4.6	4.5	3.8	2.9	2.9	3.4
129.5°	4.2	3.5	3.1	3.8	4.3	4.5	4.3	3.6	2.8	3.0	3.4
130°	4.2	3.6	3.2	3.6	4.1	4.3	4.0	3.4	2.9	3.0	3.4
130.5°	4.3	3.6	3.2	3.4	3.9	4.0	3.8	3.3	2.9	3.1	3.5
131°	4.3	3.7	3.3	3.2	3.7	3.8	3.7	3.1	3.0	3.1	3.5
131.5°	4.3	3.7	3.3	3.1	3.5	3.6	3.5	3.0	3.0	3.2	3.5
132°	4.4	3.8	3.4	3.1	3.3	3.4	3.3	3.0	3.1	3.3	3.6
132.5°	4.5	3.9	3.4	3.2	3.1	3.2	3.1	3.1	3.2	3.3	3.6
133°	4.5	3.9	3.5	3.2	3.1	3.1	3.1	3.1	3.2	3.4	3.8
133.5°	4.6	4.0	3.5	3.3	3.1	3.0	3.1	3.2	3.3	3.5	3.9



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	4.9	4.2	3.7	3.4	3.3	3.2	3.3	3.3	3.4	3.7	4.2
135.5°	5.0	4.2	3.8	3.5	3.3	3.2	3.3	3.3	3.5	3.8	4.2
136°	5.0	4.3	3.8	3.5	3.4	3.3	3.4	3.4	3.5	3.8	4.3
136.5°	5.1	4.4	3.9	3.6	3.4	3.3	3.4	3.4	3.6	3.9	4.3
137°	5.1	4.5	3.9	3.6	3.5	3.4	3.5	3.5	3.7	4.0	4.3
137.5°	5.1	4.5	4.0	3.7	3.5	3.4	3.5	3.5	3.8	4.1	4.2
138°	5.0	4.6	4.1	3.7	3.6	3.5	3.6	3.6	3.8	4.2	4.1
138.5°	4.9	4.7	4.1	3.8	3.6	3.5	3.6	3.6	3.9	4.3	4.1
139°	4.9	4.8	4.2	3.8	3.7	3.6	3.7	3.7	4.0	4.4	4.0
139.5°	4.9	4.8	4.3	3.9	3.7	3.6	3.7	3.8	4.1	4.5	4.0
140°	4.9	4.9	4.3	4.0	3.8	3.7	3.8	3.8	4.1	4.5	4.0
140.5°	4.9	4.9	4.5	4.0	3.8	3.8	3.8	3.9	4.2	4.5	4.0
141°	4.8	5.0	4.6	4.1	3.9	3.8	3.9	4.0	4.4	4.6	4.0
141.5°	4.8	5.1	4.7	4.2	3.9	3.9	4.0	4.1	4.5	4.6	4.0
142°	4.8	5.0	4.8	4.3	4.0	3.9	4.0	4.2	4.6	4.5	4.0
142.5°	4.8	4.9	4.8	4.4	4.1	4.0	4.1	4.3	4.7	4.4	4.0
143°	4.9	4.8	4.8	4.5	4.2	4.1	4.2	4.5	4.7	4.3	4.0
143.5°	4.9	4.8	4.9	4.7	4.3	4.2	4.3	4.6	4.7	4.3	4.0
144°	4.9	4.7	5.0	4.8	4.4	4.3	4.5	4.7	4.7	4.3	4.0
144.5°	4.9	4.7	5.0	4.8	4.6	4.5	4.7	4.8	4.7	4.3	4.0
145°	4.8	4.7	5.0	4.9	4.7	4.7	4.8	4.8	4.6	4.2	4.0
145.5°	4.8	4.7	4.8	4.9	4.8	4.8	4.8	4.8	4.5	4.2	4.0
146°	4.8	4.7	4.7	5.0	4.8	4.8	4.9	4.9	4.4	4.2	4.0
146.5°	4.8	4.7	4.7	5.0	4.9	4.9	4.9	4.9	4.4	4.2	3.9
147°	4.9	4.7	4.7	4.9	5.0	5.0	5.0	4.8	4.4	4.2	3.9
147.5°	4.9	4.7	4.7	4.7	5.0	5.0	5.0	4.6	4.4	4.2	3.9
148°	4.9	4.7	4.7	4.7	4.9	5.0	4.9	4.6	4.4	4.2	3.9
148.5°	4.9	4.7	4.7	4.7	4.7	4.8	4.8	4.6	4.4	4.2	3.9
149°	4.9	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.4	4.1	3.9
149.5°	4.9	4.7	4.7	4.7	4.6	4.7	4.7	4.5	4.4	4.1	3.9
150°	4.9	4.7	4.7	4.7	4.6	4.7	4.7	4.5	4.4	4.1	3.9
150.5°	4.8	4.7	4.7	4.6	4.6	4.7	4.6	4.5	4.4	4.1	3.9
151°	4.7	4.7	4.6	4.7	4.6	4.6	4.6	4.5	4.3	4.0	3.9
151.5°	4.9	4.6	4.6	4.7	4.6	4.6	4.6	4.5	4.3	4.0	3.9
152°	5.0	4.6	4.6	4.7	4.6	4.6	4.6	4.5	4.3	4.0	3.9
152.5°	5.1	4.6	4.6	4.6	4.6	4.7	4.7	4.5	4.3	4.0	4.0
153°	5.1	4.6	4.6	4.6	4.6	4.7	4.7	4.5	4.3	4.0	4.0
153.5°	5.1	4.6	4.5	4.6	4.6	4.7	4.6	4.5	4.3	4.0	4.0
154°	5.1	4.7	4.5	4.6	4.6	4.6	4.6	4.5	4.2	4.1	4.0
154.5°	5.2	4.7	4.5	4.5	4.6	4.6	4.5	4.5	4.3	4.1	4.1
155°	5.2	4.8	4.5	4.5	4.5	4.6	4.5	4.4	4.3	4.1	4.1
155.5°	5.0	4.9	4.6	4.5	4.5	4.6	4.5	4.4	4.3	4.2	4.1
156°	4.9	4.9	4.6	4.5	4.5	4.5	4.5	4.5	4.3	4.2	4.2



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	5.2	4.9	4.8	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.3
158°	5.0	4.8	4.8	4.6	4.5	4.6	4.6	4.5	4.5	4.4	4.3
158.5°	4.7	4.7	4.8	4.7	4.6	4.6	4.6	4.6	4.6	4.5	4.4
159°	4.6	4.7	4.9	4.7	4.6	4.6	4.6	4.7	4.6	4.6	4.4
159.5°	4.5	4.7	5.0	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.5
160°	4.5	4.7	5.0	4.9	4.7	4.7	4.7	4.7	4.8	4.7	4.5
160.5°	4.5	4.7	5.0	4.9	4.8	4.8	4.8	4.8	4.9	4.8	4.6
161°	4.5	4.7	4.9	5.0	4.8	4.8	4.8	4.8	4.9	4.8	4.6
161.5°	4.5	4.6	4.8	5.1	4.9	4.9	4.9	4.9	5.0	4.9	4.6
162°	4.4	4.5	4.8	5.1	5.0	5.0	5.0	5.0	5.1	4.9	4.7
162.5°	4.4	4.5	4.7	5.1	5.1	5.0	5.1	5.1	5.1	5.0	4.6
163°	4.3	4.5	4.7	5.1	5.1	5.1	5.1	5.1	5.2	5.0	4.6
163.5°	4.3	4.5	4.6	5.0	5.2	5.2	5.2	5.2	5.2	4.9	4.7
164°	4.3	4.4	4.5	4.9	5.2	5.2	5.2	5.3	5.2	5.1	4.7
164.5°	4.2	4.4	4.5	4.8	5.2	5.3	5.3	5.3	5.3	5.2	4.1
165°	4.2	4.4	4.4	4.8	5.3	5.3	5.3	5.4	5.3	4.8	3.9
165.5°	4.2	4.4	4.4	4.7	5.2	5.3	5.4	5.4	5.2	4.1	4.4
166°	4.1	4.4	4.4	4.5	5.1	5.4	5.4	5.4	5.2	4.2	4.7
166.5°	4.1	4.5	4.4	4.4	5.1	5.4	5.4	5.4	5.2	4.8	4.1
167°	4.0	4.6	4.5	4.4	5.0	5.4	5.4	5.5	4.6	4.6	3.6
167.5°	4.0	4.7	4.6	4.3	4.9	5.4	5.4	5.5	4.1	3.9	4.1
168°	4.1	4.7	4.7	4.3	4.8	5.4	5.4	5.4	4.6	3.7	4.6
168.5°	4.3	4.8	5.0	4.4	4.5	5.3	5.3	5.3	5.0	4.6	4.3
169°	4.3	4.7	5.0	4.4	4.3	5.3	5.3	5.2	4.0	4.7	4.2
169.5°	4.2	4.7	4.9	4.5	4.2	5.1	5.2	4.9	3.5	4.6	4.4
170°	4.3	4.6	4.8	4.7	4.2	4.9	5.2	4.2	4.7	4.6	4.4
170.5°	4.3	4.5	4.7	4.8	4.2	4.9	5.2	4.0	4.7	4.7	4.4
171°	4.3	4.5	4.6	4.8	4.2	4.7	5.1	4.1	4.5	4.6	4.4
171.5°	4.3	4.4	4.5	4.7	4.2	4.6	5.0	3.5	4.7	4.5	4.3
172°	4.2	4.3	4.5	4.6	4.4	4.1	4.9	3.8	4.7	4.5	4.3
172.5°	4.2	4.3	4.4	4.5	4.4	4.0	4.7	4.3	4.5	4.4	4.2
173°	4.1	4.2	4.3	4.4	4.4	3.9	4.5	4.3	4.4	4.3	4.1
173.5°	4.1	4.2	4.3	4.4	4.4	3.9	3.8	4.4	4.3	4.1	4.0
174°	4.1	4.2	4.2	4.3	4.4	3.8	3.3	4.3	4.2	4.0	3.9
174.5°	4.1	4.1	4.2	4.2	4.3	3.7	3.0	4.2	4.1	3.9	3.9
175°	4.0	4.1	4.1	4.2	4.2	3.6	3.6	4.1	4.0	3.9	3.8
175.5°	4.0	4.0	4.1	4.1	4.1	3.7	4.0	4.0	3.9	3.8	3.8
176°	3.9	4.0	4.0	4.0	4.0	3.6	3.9	3.8	3.8	3.8	3.8
176.5°	3.9	3.9	4.0	3.9	3.9	3.6	3.8	3.8	3.8	3.8	3.8
177°	3.9	3.8	3.8	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8
177.5°	3.8	3.8	3.7	3.7	3.8	1.5	3.8	3.8	3.8	3.8	3.7
178°	3.7	3.7	3.7	3.8	3.8	2.2	3.8	3.8	3.7	3.7	3.7
178.5°	3.8	3.8	3.8	3.7	3.4	2.9	3.5	3.7	3.8	3.8	3.7



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1979.9	1979.9	1979.9	1979.9
0.5°	1979.5	1979.4	1979.4	1979.4
1°	1979.1	1979.1	1979.1	1979.2
1.5°	1978.7	1978.8	1978.8	1979.2
2°	1977.0	1977.9	1978.6	1978.9
2.5°	1975.3	1975.8	1977.4	1978.1
3°	1973.9	1975.1	1976.6	1976.7
3.5°	1973.0	1974.8	1975.2	1975.4
4°	1971.6	1973.7	1973.7	1974.6
4.5°	1968.8	1971.1	1971.6	1972.4
5°	1967.2	1968.7	1970.3	1971.2
5.5°	1965.8	1966.5	1968.5	1969.9
6°	1962.6	1965.2	1966.3	1968.3
6.5°	1959.7	1961.4	1964.0	1966.2
7°	1958.1	1958.7	1962.4	1964.3
7.5°	1954.5	1956.9	1958.1	1961.5
8°	1950.7	1953.3	1956.6	1959.5
8.5°	1946.7	1949.7	1953.7	1955.8
9°	1943.5	1946.2	1950.1	1953.6
9.5°	1939.7	1942.7	1946.4	1950.1
10°	1935.0	1938.1	1943.1	1946.1
10.5°	1931.1	1935.2	1938.5	1942.6
11°	1926.5	1931.7	1935.8	1938.5
11.5°	1921.9	1927.0	1932.0	1934.3
12°	1917.3	1922.4	1928.1	1930.3
12.5°	1911.8	1917.4	1923.2	1926.5
13°	1906.3	1912.2	1918.4	1921.9
13.5°	1901.1	1907.1	1913.9	1916.8
14°	1895.4	1902.0	1908.4	1912.0
14.5°	1889.4	1897.3	1903.0	1907.2
15°	1883.4	1891.1	1897.5	1901.7
15.5°	1876.8	1884.7	1891.9	1896.6
16°	1870.2	1878.8	1886.8	1890.5
16.5°	1863.5	1872.2	1881.2	1883.7
17°	1857.1	1865.8	1874.4	1877.4
17.5°	1850.1	1859.3	1867.1	1872.2
18°	1843.2	1853.0	1860.7	1866.4
18.5°	1836.1	1846.2	1854.3	1859.2
19°	1828.2	1838.9	1847.5	1852.2
19.5°	1819.5	1831.6	1840.4	1845.3
20°	1811.7	1823.8	1832.8	1838.4
20.5°	1804.2	1815.6	1825.5	1831.3
21°	1796.5	1807.4	1817.4	1824.3



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1769.4	1782.8	1794.1	1800.1
23°	1760.3	1774.2	1785.4	1792.9
23.5°	1751.2	1765.1	1776.5	1783.9
24°	1741.8	1756.3	1768.0	1775.3
24.5°	1732.0	1747.2	1759.4	1767.2
25°	1722.5	1737.5	1750.5	1758.4
25.5°	1711.8	1728.4	1740.7	1749.0
26°	1702.7	1718.5	1731.5	1739.8
26.5°	1692.2	1708.5	1721.9	1730.2
27°	1681.8	1698.7	1711.8	1720.6
27.5°	1670.7	1689.2	1702.0	1711.1
28°	1660.1	1678.0	1692.2	1700.8
28.5°	1649.0	1667.5	1681.8	1690.8
29°	1637.2	1656.6	1671.5	1681.5
29.5°	1627.0	1645.4	1660.7	1671.1
30°	1615.5	1635.1	1650.0	1660.1
30.5°	1603.5	1623.5	1639.3	1649.7
31°	1591.3	1612.6	1628.3	1639.1
31.5°	1580.1	1600.3	1616.9	1628.0
32°	1567.7	1588.8	1605.2	1616.0
32.5°	1555.8	1576.9	1593.8	1604.6
33°	1543.8	1565.6	1582.0	1593.6
33.5°	1531.9	1554.2	1570.1	1581.8
34°	1518.6	1541.6	1558.3	1569.5
34.5°	1506.3	1528.8	1545.7	1557.1
35°	1493.8	1516.8	1534.0	1545.5
35.5°	1480.5	1503.9	1521.5	1533.6
36°	1467.5	1491.4	1508.8	1521.1
36.5°	1454.4	1478.3	1497.3	1508.3
37°	1441.3	1465.2	1484.7	1495.9
37.5°	1428.3	1452.2	1472.2	1483.7
38°	1414.8	1439.2	1458.3	1471.6
38.5°	1399.9	1426.1	1444.5	1457.8
39°	1385.7	1412.4	1430.7	1443.7
39.5°	1371.9	1398.5	1417.2	1429.8
40°	1358.2	1384.9	1404.4	1416.3
40.5°	1344.4	1371.2	1391.1	1403.5
41°	1329.8	1357.0	1376.9	1389.9
41.5°	1315.7	1342.5	1363.3	1375.7
42°	1300.8	1328.5	1349.3	1362.2
42.5°	1286.3	1314.4	1334.8	1348.6
43°	1271.8	1299.8	1320.5	1334.3
43.5°	1257.3	1285.2	1306.6	1319.4



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	1212.6	1242.0	1263.1	1276.1
45.5°	1198.1	1227.0	1247.9	1261.9
46°	1182.9	1212.2	1233.2	1246.7
46.5°	1168.0	1197.3	1218.1	1231.2
47°	1153.4	1182.4	1203.5	1216.2
47.5°	1137.8	1167.5	1188.5	1201.7
48°	1122.9	1151.6	1173.0	1187.1
48.5°	1107.2	1136.9	1158.2	1171.5
49°	1092.1	1121.8	1143.2	1156.9
49.5°	1077.1	1106.1	1127.6	1141.5
50°	1061.3	1090.6	1112.0	1126.1
50.5°	1046.1	1075.6	1096.6	1110.3
51°	1031.4	1059.7	1081.5	1095.1
51.5°	1016.0	1044.8	1066.3	1079.4
52°	1000.1	1029.1	1050.1	1064.3
52.5°	984.7	1013.4	1034.9	1048.2
53°	969.1	998.0	1018.9	1032.7
53.5°	954.1	982.3	1003.5	1017.0
54°	938.7	966.6	987.7	1001.4
54.5°	923.4	951.1	972.0	985.4
55°	908.2	935.7	956.3	969.2
55.5°	891.7	920.4	940.3	953.8
56°	876.3	903.7	924.2	937.5
56.5°	861.3	888.7	909.0	921.8
57°	846.0	872.9	893.0	906.5
57.5°	830.1	857.3	877.4	890.0
58°	814.7	840.9	860.9	873.8
58.5°	799.2	825.4	845.1	858.2
59°	784.5	809.5	829.2	841.9
59.5°	768.5	793.9	813.6	826.0
60°	753.2	778.0	797.7	809.6
60.5°	737.4	762.5	781.5	793.7
61°	722.6	746.9	765.3	777.7
61.5°	706.9	731.1	749.3	761.8
62°	691.7	715.5	733.4	745.6
62.5°	676.4	700.1	717.3	729.5
63°	661.5	684.2	701.4	713.4
63.5°	646.0	668.5	685.6	697.5
64°	630.5	652.9	669.5	681.2
64.5°	615.5	637.2	654.0	664.7
65°	600.9	621.4	638.0	648.4
65.5°	585.4	606.2	621.8	631.9
66°	571.0	591.0	605.9	615.5



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	526.0	544.5	558.8	567.6
68°	511.0	528.7	542.7	551.9
68.5°	496.2	513.6	526.5	535.7
69°	482.0	497.9	511.3	519.7
69.5°	467.2	482.7	495.4	503.8
70°	452.5	467.7	479.9	487.8
70.5°	437.9	452.6	464.2	471.9
71°	423.6	437.4	448.8	456.3
71.5°	409.2	422.3	433.0	440.5
72°	394.9	407.5	417.5	425.1
72.5°	380.6	392.7	401.8	409.5
73°	366.5	377.6	386.8	393.6
73.5°	353.0	363.3	371.6	377.6
74°	339.0	348.4	356.5	362.6
74.5°	325.0	333.8	341.4	347.3
75°	311.4	319.0	326.1	332.0
75.5°	298.0	305.0	311.1	316.5
76°	284.9	290.7	297.0	301.5
76.5°	271.5	276.9	281.9	286.7
77°	258.5	262.8	267.6	272.0
77.5°	245.3	249.3	253.1	257.0
78°	232.8	235.3	239.0	242.8
78.5°	220.3	222.2	224.6	228.2
79°	208.0	209.2	210.9	214.0
79.5°	196.0	196.3	197.8	200.0
80°	184.7	184.2	184.9	186.8
80.5°	173.4	172.0	172.1	173.1
81°	162.1	159.8	159.3	159.8
81.5°	150.8	147.7	146.4	146.8
82°	139.6	135.5	133.6	134.1
82.5°	129.0	124.4	121.5	121.1
83°	118.5	113.4	110.2	109.7
83.5°	108.7	102.6	98.7	98.2
84°	99.1	92.3	87.9	87.2
84.5°	90.2	82.6	77.4	76.3
85°	81.4	73.3	67.7	66.4
85.5°	73.4	64.4	58.2	57.7
86°	65.6	56.2	49.5	49.0
86.5°	58.3	48.5	41.2	40.4
87°	51.4	41.3	33.7	31.9
87.5°	45.3	34.8	28.5	24.4
88°	39.5	29.1	23.1	17.7
88.5°	34.4	25.3	17.8	11.9



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	22.0	13.7	5.1	3.8
90.5°	19.8	10.1	3.4	2.1
91°	17.7	8.3	2.5	0.4
91.5°	15.5	6.9	2.0	0.3
92°	13.4	6.0	1.7	0.3
92.5°	11.2	5.4	1.5	0.2
93°	10.2	5.0	1.4	0.2
93.5°	9.5	4.7	1.3	0.2
94°	8.9	4.3	1.3	0.3
94.5°	8.4	4.0	1.2	0.4
95°	8.0	3.9	1.2	0.4
95.5°	7.6	3.8	1.2	0.5
96°	7.2	3.8	1.2	0.6
96.5°	6.8	3.8	1.2	0.7
97°	6.6	3.7	1.1	0.7
97.5°	6.6	3.6	1.1	0.8
98°	6.5	3.4	1.1	0.9
98.5°	6.5	3.3	1.1	0.9
99°	6.4	3.2	1.1	1.0
99.5°	6.4	3.1	1.2	1.1
100°	6.2	3.1	1.3	1.3
100.5°	6.1	3.0	1.4	1.4
101°	5.9	3.0	1.4	1.5
101.5°	5.6	3.0	1.5	1.6
102°	5.4	3.0	1.6	1.7
102.5°	5.3	2.9	1.7	1.8
103°	5.1	2.8	1.8	1.9
103.5°	4.9	2.7	1.9	2.0
104°	4.8	2.5	1.9	2.0
104.5°	4.7	2.4	2.0	2.1
105°	4.6	2.4	2.0	2.1
105.5°	4.5	2.3	2.1	2.1
106°	4.4	2.3	2.3	2.0
106.5°	4.3	2.2	2.6	2.0
107°	4.1	2.1	2.8	2.0
107.5°	4.0	2.1	2.6	2.0
108°	3.8	2.0	2.6	2.1
108.5°	3.7	2.0	2.6	2.1
109°	3.5	2.0	2.5	2.1
109.5°	3.3	2.0	2.4	2.1
110°	3.2	2.1	2.4	2.1
110.5°	3.1	2.1	2.4	2.1
111°	3.0	2.1	2.4	2.1



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	2.9	2.2	2.5	2.2
113°	2.8	2.3	2.5	2.2
113.5°	2.7	2.3	2.5	2.2
114°	2.5	2.4	2.6	2.3
114.5°	2.5	2.5	2.6	2.3
115°	2.5	2.5	2.6	2.3
115.5°	2.4	2.6	2.6	2.3
116°	2.4	2.6	2.6	2.3
116.5°	2.4	2.7	2.6	2.3
117°	2.5	2.8	2.6	2.3
117.5°	2.6	3.0	2.6	2.3
118°	2.7	3.2	2.6	2.4
118.5°	2.7	3.3	2.7	2.4
119°	2.8	3.3	2.7	2.4
119.5°	2.8	3.3	2.7	2.4
120°	2.9	3.3	2.8	2.4
120.5°	2.9	3.3	2.8	2.5
121°	3.0	3.3	2.8	2.5
121.5°	3.0	3.3	2.8	2.5
122°	3.0	3.2	2.8	2.5
122.5°	3.0	3.2	2.9	2.6
123°	3.0	3.1	2.9	2.6
123.5°	3.1	3.1	2.9	2.6
124°	3.1	3.0	2.9	2.6
124.5°	3.2	3.0	3.0	2.7
125°	3.3	3.1	3.0	2.7
125.5°	3.5	3.2	3.0	2.7
126°	3.7	3.4	3.1	2.7
126.5°	3.8	3.4	3.1	2.8
127°	4.0	3.5	3.1	2.8
127.5°	4.1	3.5	3.2	2.8
128°	4.2	3.6	3.2	2.9
128.5°	4.2	3.6	3.2	2.9
129°	4.1	3.6	3.3	2.9
129.5°	4.1	3.6	3.3	2.9
130°	4.1	3.6	3.3	2.9
130.5°	4.0	3.5	3.2	2.9
131°	4.0	3.5	2.9	3.0
131.5°	3.9	3.5	2.9	3.0
132°	3.8	3.5	3.0	3.0
132.5°	3.7	3.6	3.1	3.0
133°	3.7	3.6	3.3	3.0
133.5°	3.6	3.5	3.4	3.0



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	3.7	3.5	3.2	3.1
135.5°	3.7	3.5	3.2	3.1
136°	3.7	3.5	3.3	3.0
136.5°	3.7	3.5	3.3	3.0
137°	3.8	3.4	3.3	3.0
137.5°	3.8	3.4	3.2	3.1
138°	3.8	3.5	3.1	3.1
138.5°	3.8	3.5	3.1	3.1
139°	3.8	3.5	3.2	3.1
139.5°	3.8	3.6	3.2	3.1
140°	3.8	3.6	3.3	3.1
140.5°	3.8	3.6	3.3	3.1
141°	3.8	3.7	3.3	3.1
141.5°	3.8	3.7	3.3	3.1
142°	3.8	3.7	3.3	3.1
142.5°	3.8	3.7	3.3	3.1
143°	3.8	3.7	3.3	3.1
143.5°	3.8	3.7	3.3	3.2
144°	3.8	3.8	3.3	3.2
144.5°	3.8	3.8	3.3	3.1
145°	3.8	3.8	3.3	3.1
145.5°	3.8	3.8	3.3	3.1
146°	3.8	3.8	3.3	3.1
146.5°	3.9	3.8	3.3	3.1
147°	3.9	3.8	3.3	3.1
147.5°	3.9	3.9	3.3	3.1
148°	3.9	3.9	3.3	3.1
148.5°	3.9	3.9	3.3	3.1
149°	4.0	3.9	3.3	3.1
149.5°	4.0	3.9	3.3	3.0
150°	4.0	3.9	3.3	3.0
150.5°	4.0	3.9	3.2	3.1
151°	4.0	3.9	3.2	2.9
151.5°	4.0	3.9	3.1	2.8
152°	4.1	3.9	3.2	2.8
152.5°	4.1	3.8	3.2	2.8
153°	4.1	3.8	3.0	2.7
153.5°	4.1	3.7	2.9	2.5
154°	4.1	3.7	2.8	2.4
154.5°	4.1	3.7	2.7	2.3
155°	4.1	3.6	2.7	2.3
155.5°	4.1	3.4	2.6	2.3
156°	4.2	3.3	2.4	2.2



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	4.2	3.3	2.3	2.0
158°	4.2	3.2	2.3	2.0
158.5°	4.2	3.2	2.3	2.1
159°	4.2	3.2	2.2	2.1
159.5°	4.2	3.2	2.2	2.1
160°	4.3	3.2	2.2	2.1
160.5°	4.3	3.1	2.2	2.1
161°	4.3	3.1	2.2	2.1
161.5°	4.3	3.1	2.2	2.1
162°	4.3	3.1	2.2	2.1
162.5°	4.3	3.0	2.2	2.1
163°	4.2	2.9	2.1	2.1
163.5°	4.3	2.7	2.1	2.2
164°	4.3	2.7	2.1	2.2
164.5°	3.8	2.8	2.1	2.2
165°	3.6	2.6	2.1	2.2
165.5°	4.0	2.5	2.1	2.2
166°	4.1	2.4	2.1	2.2
166.5°	3.6	2.3	2.2	2.2
167°	3.2	2.3	2.2	2.3
167.5°	3.8	2.6	2.2	2.3
168°	4.0	2.9	2.2	2.2
168.5°	3.8	2.9	2.3	2.3
169°	3.7	2.9	2.4	2.3
169.5°	3.8	3.1	2.5	2.4
170°	3.7	3.1	2.9	2.4
170.5°	3.7	3.1	3.0	2.8
171°	3.9	3.5	3.0	3.1
171.5°	4.0	3.6	3.3	3.1
172°	3.9	3.6	3.4	3.2
172.5°	3.9	3.6	3.5	3.3
173°	3.9	3.7	3.5	3.3
173.5°	3.8	3.7	3.5	3.3
174°	3.8	3.7	3.6	3.4
174.5°	3.8	3.7	3.7	3.5
175°	3.8	3.7	3.7	3.6
175.5°	3.8	3.7	3.7	3.7
176°	3.7	3.7	3.7	3.7
176.5°	3.7	3.7	3.7	3.7
177°	3.7	3.7	3.7	3.7
177.5°	3.7	3.7	3.7	3.7
178°	3.7	3.7	3.7	3.7
178.5°	3.7	3.7	3.7	3.8



TEST NUMBER: P563537

CATALOG NUMBER: 4NWS3C3-NUV-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	3.4	3.4	3.4	3.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°







21.5°	1816.7	1821.0	1820.6	1817.3	1810.7	1802.8	1794.4	1787.4	1781.4	1778.5	1777.3
22°	1808.1	1812.8	1812.7	1808.9	1802.3	1794.1	1784.9	1777.7	1772.4	1768.3	1767.5



44°	1305.1	1309.9	1303.8	1289.9	1267.6	1240.1	1212.2	1188.2	1170.6	1161.8	1163.0
44.5°	1290.6	1294.7	1289.6	1275.0	1252.6	1224.6	1197.2	1172.8	1155.1	1146.6	1146.6



66.5°	599.4	605.0	603.5	595.1	581.5	562.6	545.3	530.0	518.8	512.3	510.6
67°	583.3	588.5	587.9	580.3	566.7	548.9	532.4	517.2	506.0	500.0	498.8



89°	7.4	14.4	27.5	42.5	56.6	66.3	74.2	78.7	80.5	79.8	76.9
89.5°	5.5	10.1	22.6	37.1	50.9	61.4	69.2	73.2	75.0	74.5	71.6



111.5°	2.1	2.1	1.8	1.6	2.1	3.3	4.7	6.2	7.2	7.4	7.2
112°	2.2	2.1	1.8	1.6	2.1	3.1	4.5	5.9	6.8	7.1	6.9



134°	3.1	3.1	3.1	3.7	3.8	3.4	3.3	3.4	3.4	3.6	3.7
134.5°	3.1	3.1	3.1	3.8	3.9	3.4	3.4	3.4	3.5	3.6	3.8



156.5°	2.1	3.2	3.8	3.7	3.7	3.7	3.9	4.3	4.6	4.7	4.8
157°	2.0	3.2	3.8	3.7	3.7	3.7	3.9	4.2	4.5	4.6	4.7



179°	3.7	3.6	3.4	3.2	2.9	2.8	3.0	3.2	3.5	3.7	3.6
179.5°	3.4	3.3	3.3	3.2	3.2	3.2	3.3	3.3	3.4	3.5	3.4





21.5°	1779.0	1783.7	1787.9	1793.2	1798.1	1800.3	1800.4	1798.1	1792.6	1784.2	1773.5
22°	1769.2	1773.5	1778.9	1784.7	1790.1	1791.9	1792.2	1790.0	1783.8	1775.3	1764.3



44°	1171.5	1189.0	1211.5	1232.6	1251.5	1265.1	1270.4	1268.2	1259.0	1242.0	1217.2
44.5°	1156.5	1174.2	1196.2	1217.0	1236.5	1250.1	1254.7	1253.8	1244.6	1227.0	1201.9



66.5°	514.3	522.2	532.9	543.8	553.3	559.7	558.3	557.2	550.4	540.6	526.3
67°	502.1	509.2	519.4	529.3	538.0	543.1	542.8	541.3	534.7	525.1	511.6



89°	71.7	64.4	55.3	42.2	28.3	15.1	6.1	1.0	5.0	14.0	23.1
89.5°	67.0	59.9	50.1	37.6	24.3	12.2	4.8	0.9	3.7	10.5	20.9



111.5°	6.2	4.9	3.6	2.7	2.8	3.3	4.1	3.7	4.3	3.2	3.7
112°	6.0	4.7	3.5	2.7	2.8	3.5	4.1	3.8	4.4	3.3	3.6



134°	4.0	4.5	5.2	6.4	6.5	5.1	4.5	4.2	5.2	5.5	5.0
134.5°	4.0	4.6	5.3	6.5	6.4	5.1	4.5	4.2	5.2	5.5	5.0



156.5°	4.7	4.4	4.3	4.4	4.4	4.2	4.0	3.5	3.7	4.2	4.6
157°	4.6	4.4	4.3	4.4	4.3	4.1	3.8	3.5	3.7	4.1	4.6



179°	3.5	3.3	3.2	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.6
179.5°	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2





21.5°	1761.9	1749.5	1739.4	1730.8	1726.7	1725.7	1728.1	1735.7	1746.5	1760.3	1774.2
22°	1752.6	1739.2	1728.3	1720.8	1716.3	1714.3	1717.8	1724.5	1736.0	1749.9	1764.6



44°	1189.5	1158.9	1131.7	1110.1	1096.9	1093.4	1100.2	1117.4	1143.6	1175.2	1210.5
44.5°	1174.7	1143.1	1116.2	1094.8	1081.0	1077.5	1084.6	1102.3	1128.4	1160.3	1194.7



66.5°	510.6	494.3	480.3	469.7	463.6	463.1	467.7	477.9	493.0	512.3	533.8
67°	496.2	480.7	467.6	457.7	451.9	451.3	455.3	465.7	480.1	498.6	519.6



89°	33.6	43.1	50.6	56.1	59.6	61.1	60.9	58.7	54.6	48.2	39.7
89.5°	30.0	39.2	46.6	52.0	55.5	57.0	56.6	54.4	50.1	43.7	35.3



111.5°	5.8	8.3	10.3	11.5	12.3	12.6	12.3	11.2	9.4	7.5	5.1
112°	5.6	8.1	10.0	11.2	12.0	12.3	12.0	10.9	9.2	7.3	4.9



134°	4.7	4.1	3.6	3.3	3.2	3.1	3.2	3.2	3.3	3.6	4.0
134.5°	4.8	4.1	3.6	3.4	3.2	3.1	3.2	3.3	3.4	3.7	4.1



156.5°	5.0	5.0	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.2	4.2
157°	5.2	4.9	4.7	4.6	4.5	4.5	4.5	4.5	4.4	4.3	4.2



179°	3.6	3.5	3.4	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.8
179.5°	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.6	3.6	3.6	3.6





21.5°	1787.6	1800.0	1809.5	1816.7
22°	1778.2	1792.2	1802.3	1808.1



44°	1242.7	1271.2	1291.5	1305.1
44.5°	1228.6	1256.2	1277.5	1290.6



66.5°	555.6	575.4	590.2	599.4
67°	540.6	559.9	574.8	583.3



89°	29.7	21.4	12.5	7.4
89.5°	25.6	17.6	7.4	5.5



111.5°	3.0	2.1	2.4	2.1
112°	2.9	2.2	2.5	2.2



134°	3.6	3.4	3.3	3.1
134.5°	3.7	3.5	3.3	3.1



156.5°	4.2	3.3	2.3	2.1
157°	4.2	3.3	2.3	2.0



179°	3.8	3.7	3.7	3.7
179.5°	3.6	3.5	3.4	3.4



(END OF REPORT)