

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: P563551

Luminaire Tested: **4NWS3C3MS-NUV-HI-5000K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563551
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: 4NWS3C3MS-NUV-HI-5000K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND HI LUMEN SETTING
Light Source: -
Ballast/Driver:

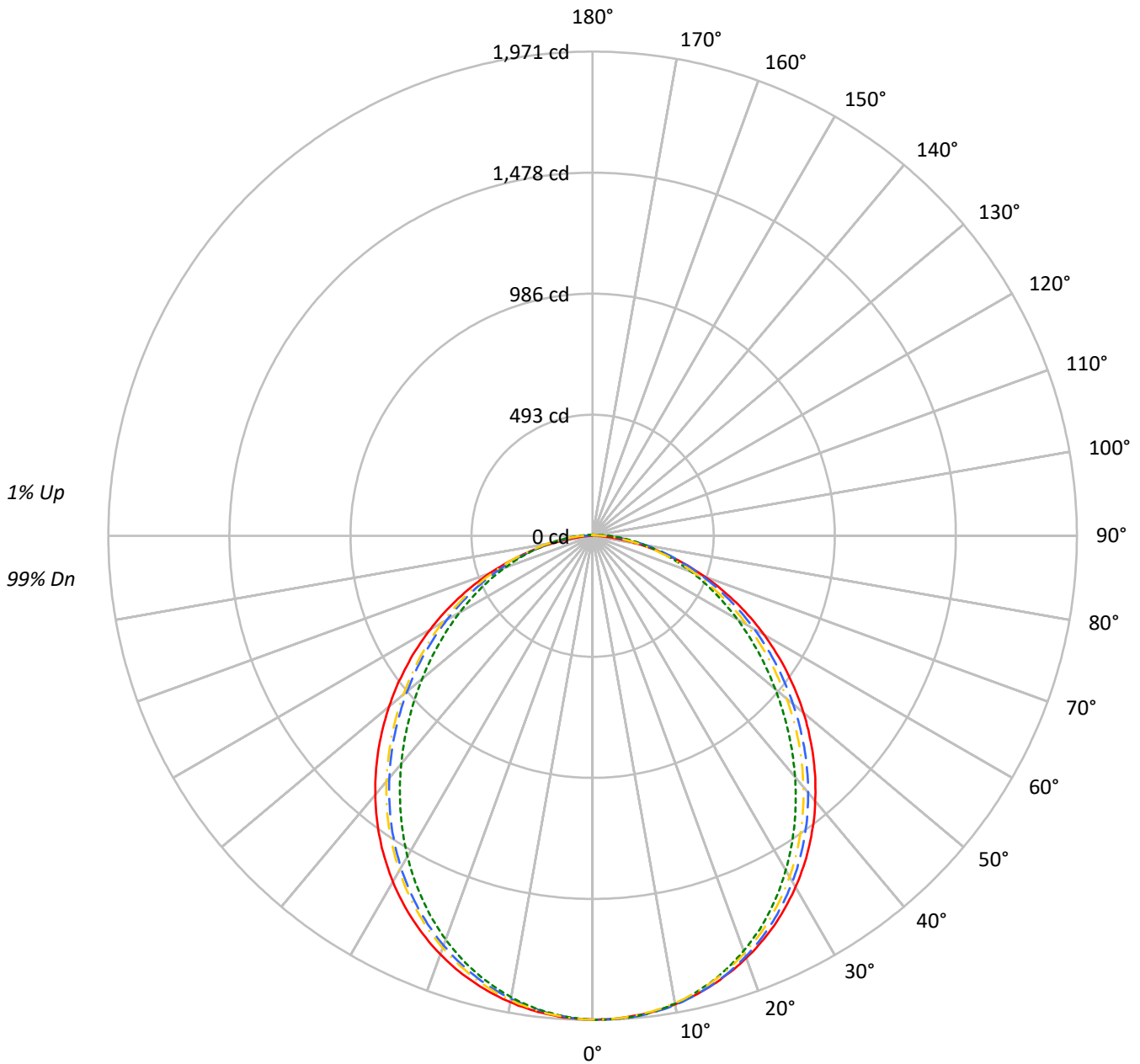
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5136.0 lumens
Efficiency: N/A
Efficacy: 125.9 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): 40.8
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°	11974	11974	11974	11974
5°	11945	11794	11924	11707
10°	11908	11557	11857	11399
15°	11841	11254	11760	11023
20°	11743	10884	11639	10590
25°	11622	10456	11476	10090
30°	11456	9956	11275	9544
35°	11248	9396	11030	8942
40°	10990	8787	10733	8307
45°	10692	8147	10385	7651
50°	10339	7497	9976	7001
55°	9925	6874	9503	6363
60°	9454	6252	8957	5738
65°	8883	5621	8299	5104
70°	8161	4988	7459	4447
75°	7202	4329	6323	3745
80°	5819	3620	4735	3005
85°	3721	2891	2390	2297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.9	3.6
10°-20°	527.7	10.3
20°-30°	783.7	15.3
30°-40°	913.5	17.8
40°-50°	904.4	17.6
50°-60°	776.7	15.1
60°-70°	568.4	11.1
70°-80°	322.7	6.3
80°-90°	107.5	2.1
90°-100°	19.5	0.4
100°-110°	8.2	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°	1497.3	29.2
0°-40°	2410.8	46.9
0°-60°	4091.9	79.7
0°-90°	5090.5	99.1
90°-120°	32.6	0.6
90°-150°	42.0	0.8
90°-180°	46.0	0.9
0°-180°	5136.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1970	1970	1970	1970	1970	
5°	1961	1965	1958	1950	1961	186
15°	1892	1878	1879	1840	1892	534
25°	1750	1695	1728	1636	1750	806
35°	1538	1432	1508	1363	1538	962
45°	1270	1125	1233	1057	1270	979
55°	964	822	923	761	964	862
65°	645	548	603	498	645	638
75°	330	313	290	271	330	350
85°	66	130	42	104	66	79
90°	4	69	1	53	4	3
95°	0	33	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°	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9
0.5°	1969.4	1969.5	1969.6	1969.8	1970.0	1970.2	1970.3	1970.3	1970.4	1970.4	1970.4
1°	1969.2	1969.4	1969.8	1970.1	1970.4	1970.5	1970.6	1970.5	1969.9	1969.2	1969.7
1.5°	1969.2	1970.0	1970.1	1969.4	1969.2	1969.4	1970.1	1970.6	1969.9	1970.8	1971.0
2°	1968.9	1969.4	1969.5	1969.5	1969.8	1970.5	1970.9	1970.9	1969.8	1969.9	1970.3
2.5°	1968.1	1968.7	1968.7	1968.9	1968.9	1968.3	1968.6	1968.4	1970.4	1969.2	1968.4
3°	1966.8	1967.2	1968.0	1968.4	1968.9	1969.0	1969.5	1969.8	1969.1	1968.9	1969.0
3.5°	1965.5	1966.4	1967.2	1968.8	1968.1	1968.6	1968.6	1968.1	1968.7	1967.3	1966.8
4°	1964.6	1966.3	1965.8	1967.6	1967.2	1967.5	1967.4	1967.0	1966.0	1968.1	1966.3
4.5°	1962.5	1964.1	1964.6	1965.8	1966.8	1966.7	1965.8	1966.8	1966.0	1966.1	1964.3
5°	1961.2	1962.8	1963.4	1964.1	1965.3	1965.2	1963.4	1964.1	1964.6	1964.6	1962.9
5.5°	1960.0	1961.4	1962.2	1962.5	1963.2	1962.6	1962.0	1962.0	1962.8	1962.4	1960.5
6°	1958.4	1959.7	1960.1	1961.0	1962.0	1961.1	1960.6	1960.1	1960.3	1959.7	1957.7
6.5°	1956.3	1957.9	1958.2	1958.9	1960.0	1959.1	1959.3	1957.9	1958.0	1957.8	1955.7
7°	1954.4	1955.2	1956.9	1956.4	1956.5	1955.4	1957.1	1955.3	1955.0	1954.9	1953.3
7.5°	1951.6	1952.6	1954.0	1955.1	1954.9	1954.0	1953.4	1952.7	1951.9	1950.5	1950.5
8°	1949.6	1949.6	1951.8	1952.1	1952.0	1951.3	1950.5	1950.0	1949.2	1948.2	1947.7
8.5°	1945.9	1946.3	1949.2	1948.8	1949.2	1948.7	1947.5	1946.7	1945.5	1944.8	1943.3
9°	1943.8	1945.5	1945.8	1946.5	1946.6	1945.8	1943.7	1943.4	1941.9	1942.5	1939.6
9.5°	1940.3	1942.0	1943.4	1943.0	1943.3	1941.6	1939.4	1939.3	1938.4	1936.5	1935.8
10°	1936.3	1938.6	1939.7	1939.8	1939.5	1938.2	1936.0	1934.6	1934.0	1934.4	1932.4
10.5°	1932.8	1934.6	1936.4	1936.6	1935.7	1934.2	1931.7	1930.3	1929.5	1929.3	1927.7
11°	1928.7	1930.0	1932.3	1932.4	1931.7	1930.8	1926.8	1926.3	1926.0	1924.6	1923.1
11.5°	1924.5	1927.1	1928.1	1928.6	1927.0	1926.3	1922.6	1922.1	1920.8	1919.9	1918.2
12°	1920.5	1922.9	1924.7	1924.8	1922.9	1921.4	1918.7	1917.1	1914.4	1914.9	1912.2
12.5°	1916.8	1918.6	1920.3	1920.4	1917.9	1916.9	1913.9	1911.9	1909.6	1909.0	1907.5
13°	1912.2	1914.7	1916.1	1915.4	1912.5	1912.1	1908.4	1906.7	1904.6	1902.6	1901.8
13.5°	1907.1	1910.2	1911.5	1911.0	1908.0	1906.9	1902.0	1900.6	1898.7	1896.5	1894.7
14°	1902.4	1905.2	1906.4	1906.6	1902.8	1900.6	1897.1	1894.6	1892.6	1890.1	1889.2
14.5°	1897.6	1900.3	1901.4	1901.4	1896.9	1895.4	1892.0	1888.4	1885.3	1884.6	1882.1
15°	1892.1	1895.3	1896.0	1895.5	1892.1	1889.8	1885.4	1882.2	1879.3	1878.2	1876.6
15.5°	1887.1	1890.1	1890.1	1889.3	1886.8	1884.0	1878.3	1876.2	1872.5	1871.5	1869.1
16°	1880.9	1884.7	1885.2	1883.8	1880.4	1877.2	1872.2	1869.1	1866.1	1863.8	1861.6
16.5°	1874.2	1878.9	1879.8	1878.3	1874.1	1870.7	1865.2	1861.6	1858.6	1855.7	1855.0
17°	1868.0	1873.1	1873.2	1872.4	1868.5	1864.1	1858.5	1854.1	1850.7	1849.1	1848.1
17.5°	1862.7	1866.6	1867.1	1865.7	1861.8	1856.9	1850.2	1846.7	1842.4	1841.6	1839.4
18°	1857.0	1860.0	1860.9	1859.1	1854.6	1849.9	1843.4	1839.0	1834.8	1832.6	1831.7
18.5°	1849.8	1854.5	1854.9	1852.8	1847.9	1842.8	1835.6	1830.7	1827.3	1824.3	1823.3
19°	1842.9	1848.0	1848.5	1845.6	1840.9	1835.0	1828.4	1822.5	1818.3	1815.7	1815.3
19.5°	1836.0	1840.6	1840.9	1838.4	1833.2	1826.8	1819.7	1814.4	1809.3	1808.1	1805.0
20°	1829.1	1833.4	1833.3	1831.1	1825.7	1818.8	1810.9	1805.4	1800.8	1797.5	1796.7
20.5°	1822.1	1826.5	1826.4	1823.6	1818.1	1811.1	1802.4	1796.2	1792.0	1788.7	1787.1
21°	1815.1	1819.4	1819.0	1815.8	1809.4	1802.5	1794.2	1787.2	1782.9	1778.8	1778.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1791.0	1795.5	1795.9	1791.5	1784.9	1776.3	1766.6	1758.9	1753.2	1749.9	1747.8
23°	1783.8	1787.7	1787.3	1783.1	1776.2	1767.5	1757.3	1749.0	1742.8	1740.6	1738.1
23.5°	1774.9	1779.6	1779.1	1774.6	1767.4	1757.8	1747.8	1738.5	1732.2	1729.1	1727.4
24°	1766.3	1771.2	1770.9	1765.6	1758.0	1748.4	1737.0	1728.1	1721.6	1718.4	1717.0
24.5°	1758.3	1762.5	1761.9	1756.9	1748.2	1738.4	1728.2	1718.2	1710.8	1707.2	1705.4
25°	1749.6	1754.2	1752.8	1747.8	1739.2	1728.4	1717.6	1707.5	1699.7	1695.3	1694.5
25.5°	1740.2	1744.8	1743.9	1738.3	1730.4	1718.4	1706.7	1696.3	1688.8	1684.6	1682.7
26°	1731.1	1734.9	1734.5	1728.1	1720.4	1707.7	1695.6	1684.6	1676.6	1671.8	1671.6
26.5°	1721.5	1726.1	1724.0	1719.2	1709.4	1697.1	1684.2	1673.5	1665.2	1660.9	1659.2
27°	1711.9	1717.2	1714.7	1708.7	1699.0	1686.7	1673.3	1662.0	1653.5	1648.1	1648.0
27.5°	1702.5	1707.4	1705.6	1698.3	1688.6	1675.3	1663.1	1650.0	1640.4	1636.8	1635.6
28°	1692.2	1697.6	1695.9	1688.5	1678.1	1664.4	1650.0	1638.5	1628.8	1624.0	1622.5
28.5°	1682.2	1687.5	1685.7	1678.5	1667.9	1653.5	1638.6	1626.5	1615.6	1610.2	1609.6
29°	1673.0	1677.6	1675.5	1667.8	1656.2	1641.8	1627.1	1613.9	1604.4	1598.8	1597.3
29.5°	1662.7	1667.5	1664.8	1657.5	1645.1	1630.3	1615.6	1601.4	1590.1	1585.5	1585.5
30°	1651.7	1656.1	1654.2	1645.8	1633.9	1618.3	1602.6	1588.7	1577.7	1572.0	1572.4
30.5°	1641.4	1645.5	1643.4	1635.6	1622.5	1606.0	1590.3	1575.9	1563.3	1559.0	1558.2
31°	1630.9	1635.5	1632.2	1624.5	1611.4	1594.4	1577.2	1562.7	1551.5	1545.9	1544.4
31.5°	1619.8	1624.7	1621.4	1612.5	1599.7	1582.6	1564.5	1549.2	1537.9	1531.8	1530.4
32°	1607.9	1612.6	1609.8	1600.5	1587.2	1569.5	1551.9	1536.3	1524.2	1517.6	1517.2
32.5°	1596.5	1601.2	1598.4	1588.5	1574.9	1556.8	1539.0	1523.1	1511.5	1503.7	1503.5
33°	1585.6	1590.2	1586.6	1577.6	1562.7	1544.6	1526.1	1509.2	1497.2	1490.2	1489.8
33.5°	1573.8	1578.3	1575.1	1565.8	1550.8	1531.8	1512.9	1495.9	1482.6	1475.7	1475.3
34°	1561.6	1567.0	1563.2	1553.1	1538.3	1518.3	1498.7	1481.6	1468.5	1461.1	1461.0
34.5°	1549.2	1554.8	1551.1	1540.9	1525.8	1505.2	1485.0	1466.7	1453.8	1447.1	1446.3
35°	1537.8	1542.8	1539.4	1528.7	1512.5	1492.0	1471.6	1452.7	1438.8	1432.4	1432.2
35.5°	1525.9	1530.5	1527.6	1516.4	1499.3	1478.3	1457.5	1438.7	1424.4	1417.9	1417.5
36°	1513.5	1518.8	1514.1	1503.8	1486.6	1464.8	1443.6	1424.4	1409.5	1403.3	1402.6
36.5°	1500.7	1505.6	1501.8	1490.2	1473.9	1451.5	1429.6	1409.6	1395.0	1387.5	1388.3
37°	1488.3	1492.7	1489.0	1477.6	1460.3	1438.0	1415.7	1395.5	1379.4	1372.7	1373.2
37.5°	1476.2	1479.9	1476.1	1464.8	1446.7	1424.0	1401.0	1380.6	1365.0	1357.7	1357.9
38°	1464.1	1467.0	1463.7	1451.0	1433.1	1409.8	1386.4	1365.7	1350.4	1342.3	1342.1
38.5°	1450.5	1454.2	1449.4	1437.8	1419.2	1395.7	1371.8	1350.6	1335.3	1328.0	1327.4
39°	1436.4	1441.1	1436.5	1424.2	1405.4	1381.7	1357.5	1335.7	1320.5	1312.2	1311.5
39.5°	1422.6	1428.3	1423.2	1410.8	1391.1	1366.8	1342.9	1320.7	1304.4	1297.2	1297.2
40°	1409.1	1414.5	1410.1	1396.4	1377.2	1352.0	1327.4	1305.8	1289.2	1281.6	1281.7
40.5°	1396.5	1400.7	1396.5	1383.1	1363.0	1337.8	1312.5	1290.3	1273.4	1266.0	1265.5
41°	1382.9	1387.0	1382.7	1368.9	1348.7	1322.9	1297.7	1275.3	1258.2	1250.7	1249.8
41.5°	1368.8	1373.0	1368.3	1355.3	1334.4	1308.4	1282.2	1259.5	1241.9	1234.6	1234.5
42°	1355.4	1359.9	1354.7	1340.5	1320.3	1294.0	1268.0	1244.5	1227.2	1219.9	1218.8
42.5°	1341.8	1345.9	1340.6	1327.0	1304.9	1278.8	1252.7	1229.3	1211.8	1203.8	1203.2
43°	1327.6	1331.6	1326.5	1311.6	1290.4	1263.7	1237.4	1213.6	1196.1	1188.6	1187.8
43.5°	1312.7	1317.6	1312.0	1298.0	1276.4	1248.9	1221.9	1198.1	1180.4	1172.4	1172.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	1269.6	1274.1	1268.4	1253.5	1231.9	1203.5	1176.0	1151.5	1133.5	1125.4	1125.2
45.5°	1255.6	1259.6	1253.7	1238.5	1216.2	1188.2	1160.7	1136.0	1118.4	1109.5	1109.6
46°	1240.4	1245.0	1239.3	1223.8	1201.1	1172.8	1144.8	1120.5	1103.3	1093.3	1094.3
46.5°	1225.0	1229.7	1224.1	1208.8	1186.0	1157.4	1129.0	1105.0	1086.8	1078.7	1078.9
47°	1210.0	1215.2	1210.1	1193.9	1171.1	1142.1	1113.7	1089.2	1071.0	1063.1	1062.8
47.5°	1195.6	1200.0	1194.8	1179.6	1156.3	1126.9	1098.8	1073.1	1055.6	1047.5	1047.1
48°	1181.1	1185.3	1179.5	1164.6	1141.4	1111.4	1083.3	1058.0	1040.6	1031.5	1032.3
48.5°	1165.6	1169.5	1164.0	1149.1	1125.8	1096.1	1068.2	1042.7	1024.5	1016.6	1016.8
49°	1151.1	1155.7	1148.8	1133.1	1110.4	1080.9	1052.4	1027.4	1009.5	1000.8	1000.8
49.5°	1135.7	1139.9	1134.8	1118.5	1094.7	1065.3	1037.3	1011.9	993.8	985.5	985.9
50°	1120.4	1125.1	1119.0	1103.5	1079.2	1049.8	1022.1	996.5	979.3	969.9	970.3
50.5°	1104.7	1109.5	1103.6	1088.5	1064.3	1034.6	1006.5	981.0	963.1	954.9	954.6
51°	1089.6	1094.2	1087.9	1072.1	1049.1	1019.2	991.2	966.3	948.9	939.5	939.1
51.5°	1074.0	1078.8	1072.6	1057.3	1033.7	1003.9	975.5	950.8	932.9	925.5	924.7
52°	1058.9	1063.6	1057.7	1041.7	1018.0	988.9	960.7	936.1	918.4	909.5	909.7
52.5°	1043.0	1047.5	1041.3	1026.1	1002.4	973.0	945.3	921.0	903.8	895.1	894.9
53°	1027.5	1032.2	1026.3	1010.4	986.9	957.7	930.0	905.9	889.0	879.7	879.4
53.5°	1011.9	1016.2	1010.4	995.1	971.3	942.5	915.0	891.1	873.0	865.7	864.6
54°	996.3	1000.5	995.0	979.9	956.1	927.1	900.1	876.0	858.8	850.2	850.5
54.5°	980.4	985.1	979.0	964.1	941.2	911.7	884.4	861.0	843.8	835.7	835.6
55°	964.3	969.5	963.8	948.6	925.2	896.2	869.4	846.1	829.6	822.3	820.6
55.5°	949.0	953.6	947.7	933.3	910.3	881.5	854.5	831.0	814.5	807.1	805.9
56°	932.8	937.6	932.4	917.5	894.9	866.8	840.2	816.3	800.4	792.4	791.9
56.5°	917.2	922.1	916.6	902.1	879.7	851.5	824.9	802.1	786.2	778.2	777.7
57°	902.0	906.0	900.6	886.3	863.8	836.3	810.1	787.6	771.4	764.2	763.3
57.5°	885.5	890.8	884.3	871.0	849.0	821.6	795.4	772.9	757.6	749.9	749.0
58°	869.4	874.3	869.6	854.8	832.7	806.7	781.1	759.0	743.4	735.3	735.5
58.5°	853.9	858.5	853.2	839.7	817.9	791.3	766.1	744.4	729.4	721.6	721.2
59°	837.7	843.2	837.6	824.2	802.8	776.5	751.5	729.9	715.8	708.5	707.2
59.5°	821.9	826.6	821.7	808.7	787.6	761.7	737.3	716.5	702.0	695.2	692.8
60°	805.6	810.7	806.3	792.9	772.1	746.9	722.7	702.8	688.3	681.3	679.1
60.5°	789.8	794.4	790.3	777.6	757.9	732.3	709.1	689.3	674.5	667.4	665.5
61°	773.8	778.2	774.4	762.3	742.8	718.0	691.2	675.1	660.6	653.4	651.9
61.5°	757.9	763.1	758.2	745.9	727.1	703.1	676.7	660.9	646.7	639.5	638.2
62°	741.8	747.1	743.3	731.0	711.5	688.0	663.5	646.9	632.8	625.6	624.6
62.5°	725.9	730.7	727.5	716.0	697.0	673.6	650.3	633.0	619.0	612.0	610.9
63°	709.8	715.0	711.5	700.5	682.0	659.2	637.1	619.0	605.9	599.1	598.0
63.5°	694.0	698.6	695.7	684.4	666.9	644.7	623.9	605.7	592.9	586.2	585.2
64°	677.8	682.5	679.3	670.6	651.7	630.3	609.8	592.6	579.9	573.4	572.1
64.5°	661.4	666.3	663.6	665.6	637.1	615.9	596.4	579.2	567.0	560.3	558.9
65°	645.1	650.1	647.8	647.1	623.3	601.5	582.9	566.1	554.0	547.9	546.3
65.5°	628.7	633.9	632.0	628.7	608.2	587.3	569.1	553.0	541.3	534.8	533.4
66°	612.4	617.8	616.3	610.3	593.2	573.4	555.6	540.0	528.8	522.3	521.1



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	564.7	569.8	569.2	562.1	549.3	532.3	516.1	502.3	491.4	485.3	483.7
68°	549.1	554.2	553.5	547.2	534.8	518.6	502.9	489.5	479.4	473.3	471.7
68.5°	533.0	538.3	538.4	531.6	520.4	504.8	490.1	476.9	467.3	461.6	458.9
69°	517.0	522.6	522.9	517.6	506.3	491.1	477.3	464.6	454.6	449.4	447.4
69.5°	501.3	507.3	507.5	502.7	492.5	477.8	464.4	452.1	442.6	437.2	435.3
70°	485.4	491.4	492.2	488.0	478.3	464.6	451.7	439.7	430.9	425.2	423.4
70.5°	469.5	475.6	477.0	473.0	464.7	451.6	439.3	427.9	419.4	413.9	411.5
71°	454.0	459.6	461.8	458.7	450.4	438.4	426.7	415.9	407.8	402.4	400.2
71.5°	438.3	444.4	446.2	443.8	436.7	425.2	414.4	404.2	395.8	390.8	388.8
72°	422.9	428.9	431.4	429.1	422.9	412.3	401.8	392.2	384.3	379.1	377.1
72.5°	407.4	413.2	416.5	414.9	408.9	399.1	389.8	380.2	372.8	368.4	365.7
73°	391.6	397.9	401.9	401.0	395.8	386.3	377.4	368.7	361.6	356.9	354.3
73.5°	375.7	382.8	386.7	386.7	382.2	374.4	365.4	357.2	350.3	345.8	343.3
74°	360.7	367.1	371.9	372.7	368.9	361.5	353.7	345.7	339.5	334.7	332.2
74.5°	345.5	352.4	357.2	358.4	355.7	348.8	342.0	334.5	328.5	324.1	321.8
75°	330.4	337.3	342.7	344.4	342.5	336.5	330.2	323.5	317.6	313.3	310.7
75.5°	314.9	322.5	328.0	330.6	329.6	324.3	318.6	312.3	306.6	302.8	300.1
76°	300.0	307.3	313.7	317.2	316.2	311.9	307.2	301.4	296.2	292.3	289.3
76.5°	285.3	293.0	299.5	303.4	303.7	300.1	295.6	290.4	285.7	282.0	279.0
77°	270.6	278.0	285.4	289.9	291.2	288.4	284.6	279.6	275.2	271.4	268.5
77.5°	255.7	263.7	271.5	276.6	278.6	276.8	273.5	269.1	264.8	261.5	258.4
78°	241.6	249.4	257.4	263.8	266.2	265.3	262.6	258.7	255.1	251.6	248.6
78.5°	227.1	235.5	243.7	250.7	254.0	253.7	251.6	248.4	245.2	241.7	238.8
79°	212.9	221.5	230.5	237.9	241.9	242.3	241.1	238.3	235.2	232.0	229.0
79.5°	199.0	207.3	217.1	225.2	230.1	231.2	230.8	228.3	225.6	222.7	219.5
80°	185.8	193.9	203.8	212.9	218.5	220.4	220.3	218.5	216.1	213.4	210.2
80.5°	172.2	180.7	191.2	200.6	206.9	209.7	210.2	208.9	206.9	203.9	201.0
81°	159.0	167.8	178.6	188.6	195.7	199.2	200.5	199.5	197.8	195.0	192.0
81.5°	146.1	154.9	166.3	176.7	184.7	188.7	190.8	190.4	189.0	186.5	183.2
82°	133.5	142.2	153.9	165.3	173.7	178.7	181.2	181.4	180.2	177.7	174.6
82.5°	120.5	130.1	142.4	154.0	163.1	169.0	171.9	172.5	171.5	169.1	166.0
83°	109.1	118.3	130.6	143.1	152.8	159.3	162.9	163.8	163.1	161.2	157.9
83.5°	97.7	106.9	119.5	132.5	142.9	149.7	154.1	155.5	155.3	153.1	149.9
84°	86.8	95.9	108.6	122.1	133.2	140.7	145.5	147.4	147.1	145.3	142.2
84.5°	75.9	85.1	98.4	112.0	123.7	131.9	136.9	139.3	139.4	137.7	134.6
85°	66.0	74.9	88.3	102.4	114.7	123.3	128.8	131.5	132.0	130.3	127.2
85.5°	57.4	65.7	78.9	93.4	105.9	115.1	121.0	124.0	124.5	123.0	120.1
86°	48.8	57.4	69.7	84.7	97.7	107.3	113.5	116.7	117.4	116.1	113.0
86.5°	40.2	49.0	62.3	76.3	89.6	99.6	106.1	109.8	110.7	109.4	106.4
87°	31.7	40.7	55.0	67.8	82.0	92.2	99.1	103.1	104.1	103.2	100.0
87.5°	24.3	32.4	47.7	61.4	74.6	85.2	92.4	96.5	97.7	96.8	93.8
88°	17.6	25.5	40.4	55.1	67.5	78.6	85.9	90.1	91.7	90.7	87.8
88.5°	11.8	19.5	33.0	48.7	61.9	72.0	79.6	84.1	85.7	84.9	82.1



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	3.8	6.9	18.2	31.9	45.1	56.1	64.1	67.9	69.8	69.0	67.0
90.5°	2.1	5.6	14.7	27.6	40.3	51.2	59.4	63.7	65.5	64.8	62.7
91°	0.4	4.4	11.9	23.6	35.9	46.3	54.6	59.3	61.3	60.8	58.4
91.5°	0.3	3.1	9.6	20.4	31.9	42.0	49.8	55.0	57.1	56.7	54.2
92°	0.3	1.9	7.8	17.5	28.4	38.1	45.5	50.6	52.8	52.6	50.0
92.5°	0.2	1.5	6.9	15.2	25.2	34.6	41.8	46.5	48.7	48.5	46.3
93°	0.2	1.2	6.1	13.1	22.4	31.3	38.3	42.9	45.1	45.0	42.8
93.5°	0.2	1.0	5.3	11.4	20.0	28.3	35.1	39.6	41.8	41.7	39.7
94°	0.3	0.8	4.5	10.1	17.8	25.7	32.2	36.6	38.7	38.7	36.8
94.5°	0.4	0.7	4.0	9.1	16.0	23.3	29.5	33.7	35.8	35.9	34.1
95°	0.4	0.6	3.7	8.3	14.5	21.2	27.0	31.2	33.3	33.3	31.5
95.5°	0.5	0.6	3.3	7.7	13.2	19.4	24.9	28.8	30.8	30.9	29.3
96°	0.6	0.7	2.9	7.2	12.2	17.8	22.9	26.6	28.6	28.7	27.2
96.5°	0.7	0.8	2.7	6.8	11.4	16.5	21.2	24.7	26.6	26.8	25.4
97°	0.7	0.8	2.4	6.3	10.7	15.3	19.7	23.0	24.8	25.0	23.7
97.5°	0.8	0.9	2.2	5.8	10.2	14.3	18.4	21.5	23.2	23.4	22.3
98°	0.9	0.9	2.0	5.4	9.6	13.6	17.3	20.2	21.8	22.0	20.9
98.5°	0.9	0.9	1.8	5.0	9.1	12.9	16.3	19.0	20.5	20.8	19.8
99°	1.0	1.0	1.7	4.7	8.5	12.4	15.5	18.0	19.4	19.7	18.8
99.5°	1.1	1.1	1.5	4.4	8.1	11.8	14.8	17.2	18.5	18.8	18.0
100°	1.2	1.1	1.5	4.1	7.7	11.2	14.3	16.5	17.8	18.0	17.3
100.5°	1.4	1.2	1.5	3.8	7.3	10.7	13.7	15.8	17.1	17.3	16.7
101°	1.5	1.3	1.4	3.5	6.9	10.2	13.1	15.2	16.4	16.7	16.1
101.5°	1.6	1.4	1.4	3.3	6.5	9.7	12.5	14.7	15.9	16.1	15.5
102°	1.7	1.5	1.5	3.0	6.1	9.3	12.0	14.1	15.3	15.6	14.9
102.5°	1.8	1.5	1.5	2.8	5.7	8.8	11.5	13.5	14.7	15.0	14.4
103°	1.9	1.6	1.4	2.6	5.4	8.4	11.0	12.9	14.1	14.4	13.9
103.5°	2.0	1.7	1.4	2.4	5.0	7.9	10.5	12.4	13.6	13.9	13.4
104°	2.0	1.7	1.3	2.3	4.7	7.5	10.0	11.9	13.1	13.4	12.9
104.5°	2.1	1.8	1.3	2.2	4.4	7.2	9.6	11.5	12.6	12.9	12.3
105°	2.1	2.0	1.3	2.0	4.1	6.8	9.1	11.0	12.1	12.4	11.9
105.5°	2.1	2.3	1.3	1.9	3.9	6.4	8.7	10.5	11.7	12.0	11.4
106°	2.0	2.2	1.4	1.9	3.6	6.1	8.3	10.1	11.2	11.5	11.0
106.5°	2.0	2.1	1.4	1.8	3.4	5.7	7.9	9.7	10.8	11.1	10.6
107°	2.0	2.0	1.4	1.8	3.2	5.4	7.6	9.2	10.4	10.7	10.2
107.5°	2.0	2.0	1.5	1.7	3.0	5.1	7.2	8.8	10.0	10.3	9.8
108°	2.1	2.0	1.5	1.7	2.9	4.8	6.9	8.5	9.6	9.9	9.4
108.5°	2.1	2.1	1.5	1.7	2.7	4.6	6.5	8.1	9.2	9.5	9.1
109°	2.1	2.1	1.6	1.6	2.6	4.3	6.2	7.7	8.8	9.1	8.7
109.5°	2.1	2.2	1.6	1.5	2.4	4.1	5.8	7.4	8.5	8.7	8.4
110°	2.1	2.2	1.6	1.5	2.3	3.9	5.5	7.1	8.1	8.4	8.1
110.5°	2.1	2.2	1.7	1.5	2.3	3.7	5.2	6.8	7.8	8.1	7.8
111°	2.1	2.1	1.7	1.5	2.2	3.4	5.0	6.4	7.5	7.7	7.4



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

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	2.9	4.3	5.6	6.5	6.8	6.5
113°	2.2	2.1	1.9	1.7	2.0	2.8	4.0	5.3	6.2	6.4	6.2
113.5°	2.2	2.1	2.0	1.7	2.0	2.7	3.8	5.0	5.9	6.2	5.9
114°	2.3	2.1	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	1.8	2.6	3.4	4.5	5.4	5.6	5.5
115°	2.3	2.2	2.1	1.8	1.8	2.5	3.3	4.3	5.1	5.4	5.2
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	4.6	4.9	4.8
116.5°	2.3	2.3	2.4	1.9	1.8	2.3	3.0	3.8	4.4	4.7	4.6
117°	2.3	2.4	2.5	2.0	1.9	2.3	2.9	3.6	4.2	4.5	4.4
117.5°	2.3	2.4	2.7	2.0	1.9	2.2	2.8	3.5	4.1	4.4	4.3
118°	2.3	2.5	2.8	2.0	1.9	2.2	2.7	3.4	3.9	4.2	4.1
118.5°	2.4	2.5	2.8	2.1	1.9	2.1	2.7	3.3	3.8	4.0	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	3.4	3.7	3.7
120.5°	2.5	2.6	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	3.5
121.5°	2.5	2.7	2.7	2.3	2.1	2.1	2.2	2.8	3.2	3.4	3.5
122°	2.5	2.7	2.7	2.4	2.2	2.1	2.2	2.7	3.1	3.4	3.4
122.5°	2.6	2.7	2.8	2.5	2.2	2.2	2.2	2.6	3.0	3.3	3.3
123°	2.6	2.7	2.8	2.5	2.3	2.2	2.2	2.5	3.0	3.2	3.3
123.5°	2.6	2.8	2.9	2.6	2.3	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	2.8	3.1	3.1
124.5°	2.7	2.8	2.9	2.7	2.4	2.4	2.2	2.3	2.8	3.0	3.0
125°	2.7	2.8	2.9	2.7	2.5	2.4	2.3	2.3	2.7	3.0	3.0
125.5°	2.7	2.8	3.0	2.8	2.5	2.4	2.3	2.4	2.7	2.9	3.0
126°	2.7	2.8	3.0	2.9	2.6	2.5	2.3	2.4	2.7	2.9	3.0
126.5°	2.7	2.8	3.0	3.1	2.6	2.5	2.4	2.4	2.7	2.9	3.0
127°	2.8	2.8	3.0	3.2	2.7	2.5	2.4	2.5	2.7	2.9	3.0
127.5°	2.8	2.8	2.9	3.3	2.7	2.6	2.5	2.6	2.7	2.9	3.1
128°	2.8	2.9	2.9	3.4	2.7	2.6	2.5	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	2.8	3.0	3.1
129°	2.9	2.9	2.9	3.4	2.8	2.7	2.7	2.7	2.9	3.1	3.2
129.5°	2.9	2.9	2.9	3.4	2.9	2.7	2.7	2.8	3.0	3.1	3.2
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	3.0	2.8	2.8	2.9	3.1	3.2	3.3
131°	2.9	2.9	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	3.4	3.2	3.0	2.9	3.0	3.2	3.3	3.4
132°	3.0	3.0	2.9	3.5	3.3	3.0	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	3.5
133°	3.0	3.0	3.0	3.6	3.5	3.2	3.1	3.2	3.3	3.4	3.6
133.5°	3.0	3.1	3.0	3.7	3.6	3.3	3.2	3.3	3.4	3.5	3.6



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

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: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9
0.5°	1970.3	1970.2	1970.1	1969.9	1969.7	1969.5	1969.3	1969.1	1969.1	1969.1	1969.1
1°	1970.3	1970.5	1970.8	1971.0	1970.8	1970.4	1969.8	1969.3	1968.9	1968.6	1968.6
1.5°	1970.9	1970.7	1970.1	1969.2	1968.6	1968.5	1968.6	1968.3	1967.9	1967.6	1967.5
2°	1970.8	1969.3	1967.6	1967.7	1967.6	1966.9	1966.6	1966.7	1966.3	1966.1	1966.1
2.5°	1969.2	1969.0	1969.2	1968.0	1967.9	1967.4	1966.3	1966.0	1965.6	1965.4	1964.9
3°	1968.4	1968.0	1967.6	1966.7	1966.7	1966.3	1965.9	1965.2	1963.7	1962.3	1962.7
3.5°	1966.9	1966.4	1966.3	1966.5	1965.6	1964.1	1963.8	1964.1	1961.7	1960.9	1960.6
4°	1966.4	1965.6	1964.8	1964.8	1964.5	1963.5	1962.1	1962.5	1961.2	1959.6	1958.3
4.5°	1962.9	1964.0	1962.1	1963.2	1963.3	1961.9	1960.4	1959.4	1958.8	1957.4	1956.4
5°	1962.0	1962.0	1961.6	1960.7	1961.1	1960.4	1959.0	1957.8	1957.1	1955.8	1953.3
5.5°	1960.9	1960.1	1959.7	1958.6	1959.0	1957.6	1957.4	1956.0	1955.2	1953.7	1951.0
6°	1958.6	1957.8	1956.9	1956.5	1956.2	1955.5	1955.0	1953.5	1952.4	1951.4	1947.9
6.5°	1955.9	1955.2	1954.7	1953.9	1953.3	1954.1	1952.8	1951.1	1948.9	1948.7	1945.2
7°	1953.4	1952.2	1952.8	1951.5	1951.1	1951.3	1950.4	1947.9	1945.8	1945.0	1942.6
7.5°	1950.1	1949.3	1949.5	1949.6	1948.0	1948.1	1947.0	1945.8	1942.6	1942.1	1939.9
8°	1947.1	1946.7	1946.1	1946.3	1945.6	1945.7	1943.1	1941.9	1939.7	1938.9	1935.7
8.5°	1943.1	1943.2	1942.6	1942.3	1942.8	1941.7	1941.4	1938.8	1937.5	1935.1	1932.3
9°	1939.2	1939.6	1939.1	1939.1	1939.7	1938.1	1937.5	1936.1	1933.0	1931.2	1928.6
9.5°	1936.0	1936.1	1935.1	1935.3	1935.4	1935.1	1933.2	1931.6	1928.5	1927.0	1923.8
10°	1931.6	1931.8	1930.9	1932.1	1931.5	1929.8	1930.0	1928.0	1924.9	1923.0	1919.5
10.5°	1927.3	1927.8	1926.0	1928.0	1927.4	1926.4	1926.4	1924.3	1921.5	1918.0	1915.4
11°	1921.9	1923.6	1922.7	1924.3	1923.5	1922.9	1922.3	1920.2	1916.8	1913.1	1910.3
11.5°	1917.0	1918.7	1917.6	1919.0	1919.0	1919.1	1917.6	1915.1	1911.6	1909.0	1905.0
12°	1912.1	1913.2	1912.8	1913.7	1914.9	1913.8	1912.9	1910.6	1907.5	1904.7	1900.0
12.5°	1907.0	1908.3	1908.2	1908.5	1910.1	1909.0	1908.0	1906.0	1903.1	1898.7	1895.4
13°	1901.5	1902.9	1902.2	1902.9	1904.3	1903.8	1903.6	1901.3	1898.6	1893.4	1890.1
13.5°	1895.3	1896.1	1896.2	1898.0	1898.9	1898.5	1898.3	1896.1	1892.3	1887.8	1883.5
14°	1888.8	1890.3	1891.2	1892.7	1893.7	1893.4	1893.0	1891.4	1886.7	1882.3	1877.5
14.5°	1882.4	1884.0	1885.2	1886.6	1888.2	1888.1	1887.5	1885.5	1882.0	1876.1	1871.3
15°	1875.7	1878.3	1878.9	1880.7	1883.1	1882.1	1882.1	1879.2	1876.3	1869.3	1865.1
15.5°	1868.9	1872.2	1873.0	1874.9	1877.2	1875.8	1876.5	1873.3	1869.7	1863.5	1858.7
16°	1861.5	1864.7	1866.2	1868.1	1870.4	1870.2	1870.2	1867.8	1863.3	1858.0	1852.4
16.5°	1854.4	1857.9	1859.3	1861.4	1863.6	1864.1	1863.5	1862.0	1857.6	1851.6	1845.2
17°	1846.9	1850.1	1851.9	1854.4	1857.4	1857.3	1857.1	1855.6	1850.9	1844.4	1837.5
17.5°	1839.1	1843.1	1845.1	1847.3	1851.1	1851.2	1851.8	1848.7	1843.9	1837.7	1830.5
18°	1831.6	1834.5	1837.9	1841.1	1843.8	1843.9	1844.4	1841.4	1836.6	1830.6	1822.7
18.5°	1823.1	1825.9	1830.5	1833.4	1836.7	1836.5	1836.5	1834.8	1829.6	1822.5	1814.5
19°	1814.2	1817.5	1822.1	1825.0	1829.3	1829.8	1829.8	1827.7	1823.0	1814.8	1807.1
19.5°	1805.4	1809.3	1813.7	1817.8	1821.4	1822.0	1822.5	1820.2	1815.3	1807.3	1798.8
20°	1797.5	1801.6	1805.8	1809.9	1813.4	1814.9	1814.9	1812.9	1807.7	1799.4	1790.6
20.5°	1788.4	1792.4	1797.6	1801.0	1806.0	1806.8	1806.9	1805.5	1800.1	1791.5	1782.1
21°	1778.9	1784.2	1788.2	1792.6	1797.3	1799.4	1799.3	1797.2	1791.9	1782.8	1773.6



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1749.6	1754.4	1760.7	1767.0	1771.9	1774.6	1774.5	1771.8	1766.6	1756.5	1747.2
23°	1739.4	1744.8	1751.6	1757.6	1762.9	1765.5	1765.7	1762.9	1757.9	1748.2	1737.1
23.5°	1729.1	1734.7	1741.5	1747.5	1754.4	1757.2	1757.4	1754.7	1748.9	1739.6	1727.8
24°	1718.1	1725.0	1731.2	1738.3	1744.6	1747.8	1748.3	1746.0	1740.1	1730.2	1718.3
24.5°	1707.4	1714.1	1721.4	1728.3	1735.0	1738.7	1739.8	1737.0	1730.8	1720.5	1708.4
25°	1697.0	1703.3	1711.4	1718.4	1725.3	1729.5	1730.8	1727.7	1721.4	1710.5	1698.1
25.5°	1685.7	1692.9	1700.5	1708.0	1715.3	1719.8	1720.9	1718.1	1711.8	1700.8	1688.4
26°	1674.3	1681.9	1690.0	1697.4	1705.5	1709.8	1710.8	1709.0	1702.3	1690.7	1677.7
26.5°	1662.9	1670.1	1678.8	1686.9	1695.9	1700.5	1701.2	1699.0	1691.9	1680.9	1667.2
27°	1650.8	1659.1	1667.7	1676.5	1684.8	1690.0	1691.2	1688.5	1682.1	1670.5	1656.6
27.5°	1639.2	1647.0	1656.6	1665.4	1674.9	1679.5	1680.8	1678.6	1671.9	1660.1	1645.6
28°	1626.7	1635.7	1644.5	1654.9	1663.8	1668.6	1670.2	1668.3	1661.3	1649.5	1634.3
28.5°	1614.5	1623.3	1633.4	1643.6	1652.5	1658.4	1660.0	1658.2	1650.8	1638.5	1623.8
29°	1602.0	1611.2	1622.0	1631.4	1642.1	1648.3	1649.8	1647.3	1640.2	1627.7	1612.2
29.5°	1588.8	1598.0	1609.6	1619.8	1630.7	1636.4	1639.4	1636.6	1628.8	1616.5	1600.3
30°	1576.6	1586.3	1597.7	1608.7	1619.2	1626.5	1627.5	1625.6	1617.5	1605.2	1589.0
30.5°	1563.6	1572.5	1585.3	1597.2	1607.6	1614.7	1616.1	1613.9	1607.4	1593.6	1577.0
31°	1549.4	1560.6	1573.1	1584.6	1596.2	1602.7	1605.6	1603.6	1595.6	1581.6	1565.2
31.5°	1535.9	1547.6	1560.3	1572.0	1584.8	1591.6	1593.9	1591.7	1583.6	1570.6	1553.2
32°	1522.6	1534.0	1547.3	1560.3	1572.0	1579.6	1581.8	1580.2	1572.7	1558.6	1540.9
32.5°	1509.0	1521.2	1534.8	1547.6	1559.6	1568.0	1570.4	1568.9	1560.3	1546.7	1528.8
33°	1495.2	1507.2	1521.9	1535.0	1548.3	1555.6	1558.9	1556.5	1548.8	1534.6	1515.7
33.5°	1481.1	1493.7	1508.3	1522.6	1535.4	1543.7	1546.1	1544.9	1536.7	1521.9	1503.1
34°	1467.2	1479.9	1495.0	1509.5	1522.1	1531.3	1534.1	1533.4	1524.5	1509.6	1490.5
34.5°	1453.5	1466.0	1481.5	1496.2	1509.7	1519.3	1522.2	1520.6	1511.6	1497.6	1479.2
35°	1438.9	1451.5	1467.8	1482.6	1497.3	1506.3	1510.0	1508.1	1499.6	1484.8	1466.8
35.5°	1423.6	1438.0	1453.9	1469.3	1484.2	1492.9	1497.1	1495.5	1487.1	1472.8	1452.9
36°	1409.0	1423.4	1440.1	1456.4	1470.4	1480.8	1484.5	1483.5	1474.7	1459.3	1439.0
36.5°	1394.4	1408.6	1426.3	1443.0	1457.5	1468.1	1471.9	1470.9	1461.4	1445.8	1425.2
37°	1379.6	1394.5	1412.0	1428.3	1444.8	1455.3	1458.7	1457.5	1448.1	1432.3	1411.4
37.5°	1365.1	1379.6	1397.8	1415.1	1430.9	1441.9	1445.5	1444.2	1434.8	1418.9	1397.7
38°	1349.9	1365.3	1383.8	1401.5	1417.7	1428.1	1432.2	1430.8	1421.5	1405.5	1384.0
38.5°	1335.4	1349.9	1369.7	1387.1	1402.8	1414.4	1419.0	1417.5	1408.2	1391.9	1369.8
39°	1320.1	1335.7	1354.8	1372.7	1389.4	1400.6	1405.3	1403.9	1394.4	1378.2	1356.2
39.5°	1305.3	1320.6	1340.1	1358.5	1375.5	1386.9	1391.3	1389.9	1380.5	1364.7	1341.8
40°	1289.6	1305.3	1325.2	1344.2	1361.4	1373.4	1377.9	1376.2	1367.0	1350.6	1327.9
40.5°	1273.8	1290.3	1309.9	1330.3	1346.8	1359.4	1363.9	1362.0	1353.1	1336.8	1313.8
41°	1258.1	1274.7	1295.3	1315.1	1333.0	1344.7	1349.6	1348.4	1339.1	1323.1	1299.6
41.5°	1243.4	1259.7	1280.5	1300.2	1318.1	1330.7	1335.8	1334.3	1325.4	1308.1	1284.6
42°	1228.2	1245.2	1265.5	1285.6	1303.7	1316.1	1321.0	1320.7	1310.7	1293.2	1270.1
42.5°	1212.9	1229.7	1250.6	1270.9	1288.9	1301.7	1306.9	1306.0	1296.7	1279.3	1255.1
43°	1197.4	1213.3	1235.1	1256.0	1274.5	1288.2	1292.5	1291.6	1282.0	1265.1	1241.8
43.5°	1181.2	1198.7	1220.2	1241.1	1260.1	1272.9	1278.0	1277.1	1267.2	1250.4	1226.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	1135.2	1152.4	1174.4	1195.8	1215.8	1228.7	1233.7	1233.2	1223.7	1205.7	1181.7
45.5°	1119.0	1136.4	1159.0	1180.7	1199.9	1213.1	1219.3	1218.4	1208.2	1190.7	1166.6
46°	1103.4	1120.6	1143.6	1165.2	1184.7	1198.8	1203.9	1203.3	1193.0	1176.1	1151.6
46.5°	1087.7	1105.7	1127.5	1149.8	1169.1	1183.2	1188.7	1187.9	1178.1	1161.0	1136.7
47°	1072.3	1089.5	1112.1	1134.8	1154.6	1168.7	1174.0	1172.9	1162.9	1145.7	1121.3
47.5°	1056.7	1075.0	1096.6	1119.1	1139.4	1153.6	1157.9	1157.8	1148.0	1130.5	1106.0
48°	1041.1	1058.4	1081.1	1103.6	1123.9	1138.1	1142.9	1142.1	1132.8	1115.5	1090.8
48.5°	1025.8	1043.2	1066.4	1088.6	1107.8	1122.1	1127.4	1127.0	1117.4	1100.0	1075.1
49°	1010.0	1028.0	1051.0	1072.9	1093.3	1107.0	1112.3	1111.9	1102.4	1084.5	1060.2
49.5°	995.0	1012.7	1035.3	1057.3	1077.1	1092.2	1097.3	1096.3	1086.7	1069.0	1045.1
50°	979.7	996.5	1019.7	1041.3	1062.4	1076.5	1081.9	1081.0	1071.3	1054.0	1029.5
50.5°	964.4	981.4	1004.0	1026.5	1046.6	1061.0	1066.2	1065.3	1056.1	1038.2	1013.7
51°	948.7	966.1	988.7	1011.3	1031.4	1045.1	1050.3	1049.7	1039.8	1022.6	998.4
51.5°	933.9	951.6	973.1	995.6	1015.3	1030.2	1034.6	1034.1	1024.6	1007.6	982.9
52°	918.7	935.5	957.8	979.6	1000.1	1013.4	1019.4	1018.6	1009.0	991.4	967.4
52.5°	903.9	920.4	942.4	964.3	984.3	998.3	1003.9	1004.3	993.2	975.5	951.9
53°	888.9	905.3	926.9	949.0	969.0	982.4	989.1	988.5	977.4	960.1	936.6
53.5°	873.7	890.6	911.9	933.3	953.5	967.2	974.9	971.1	961.8	944.9	921.0
54°	858.8	874.2	896.8	917.8	937.9	951.1	958.1	955.1	945.6	928.9	905.9
54.5°	844.3	859.9	881.2	902.5	921.6	935.9	940.6	939.5	930.0	913.5	890.4
55°	829.0	845.2	866.1	887.2	906.4	919.9	924.8	923.3	914.1	897.8	874.7
55.5°	814.0	830.4	851.4	871.8	890.4	904.2	908.5	907.2	897.9	881.9	859.0
56°	799.4	815.2	836.0	856.1	874.9	887.8	892.6	893.2	882.6	866.1	843.7
56.5°	785.0	800.4	820.8	840.9	859.3	872.0	877.7	877.1	867.0	850.4	828.3
57°	770.9	785.6	805.3	825.7	843.7	856.4	863.6	859.2	851.4	834.8	812.8
57.5°	756.3	771.3	790.3	810.9	828.1	840.9	847.0	843.6	834.3	819.0	797.5
58°	741.8	756.7	775.9	795.5	812.1	825.0	828.5	827.7	818.6	803.3	781.9
58.5°	727.9	741.9	760.6	779.5	796.4	808.8	812.8	812.0	802.6	788.1	766.4
59°	713.9	727.4	745.4	764.0	781.3	792.9	797.2	796.3	787.2	771.9	750.8
59.5°	699.5	713.4	730.8	748.9	765.9	778.1	782.5	779.1	770.8	756.0	735.9
60°	685.9	699.2	716.1	734.2	751.5	762.4	766.0	763.3	755.0	740.5	720.0
60.5°	672.0	684.9	701.7	719.0	736.3	745.7	748.4	747.5	738.5	724.7	704.9
61°	658.2	670.7	687.5	704.1	719.8	729.1	732.1	731.6	722.9	708.8	689.7
61.5°	644.3	656.4	672.8	689.8	703.6	713.8	716.7	715.0	706.4	692.9	674.0
62°	630.5	642.0	658.2	674.5	692.8	699.7	701.8	699.2	690.4	677.6	658.8
62.5°	616.6	627.7	643.4	659.9	676.4	694.6	681.3	682.6	674.7	661.9	643.3
63°	602.8	613.9	628.5	644.3	661.2	675.3	665.5	667.1	659.0	646.2	628.8
63.5°	589.8	600.3	614.0	628.7	644.1	656.6	650.2	650.7	642.4	630.7	613.6
64°	576.7	586.7	599.7	613.4	626.9	638.0	634.7	634.3	626.8	615.2	598.4
64.5°	563.5	572.8	585.7	598.7	611.1	619.3	619.1	618.3	611.0	599.4	583.1
65°	550.5	559.6	571.9	584.3	595.4	602.7	603.3	602.7	595.3	583.8	568.7
65.5°	537.5	546.4	557.8	569.5	580.1	586.6	588.0	586.4	579.3	568.4	553.4
66°	524.5	533.1	543.6	555.3	564.9	572.4	572.3	570.4	563.6	553.0	538.4



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CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	486.9	493.6	503.3	512.4	520.2	524.6	524.0	522.7	516.3	507.0	494.3
68°	474.2	480.8	489.7	498.0	505.1	509.4	508.1	507.0	500.6	491.5	479.1
68.5°	462.0	467.9	475.8	483.8	490.3	493.8	493.0	491.1	484.5	476.1	464.9
69°	449.5	454.8	462.6	469.5	475.3	478.5	477.1	475.1	468.8	461.2	450.2
69.5°	437.0	441.9	449.3	455.8	461.1	463.6	461.6	458.9	453.5	446.1	436.1
70°	424.6	429.6	436.2	442.1	446.5	447.9	445.5	443.6	438.1	431.0	421.6
70.5°	413.0	417.3	423.3	428.2	431.8	432.5	430.0	428.0	422.2	416.2	407.1
71°	401.3	405.0	410.2	414.6	417.4	417.6	414.2	412.5	407.3	400.9	392.6
71.5°	389.3	393.0	397.2	400.8	403.0	402.4	398.9	396.9	391.7	386.2	378.7
72°	377.4	380.6	384.4	387.4	388.7	387.6	383.8	381.4	376.3	371.3	364.8
72.5°	366.0	368.2	371.7	373.8	374.9	372.9	368.5	365.8	361.0	356.8	350.9
73°	354.2	356.1	359.0	360.6	360.9	358.1	353.2	350.4	345.9	342.1	336.7
73.5°	342.9	344.2	346.5	347.5	346.9	343.5	338.2	335.3	331.1	327.7	323.1
74°	331.9	332.7	334.4	334.6	333.0	329.0	323.1	320.2	316.3	313.2	309.4
74.5°	320.6	321.1	322.1	321.5	319.2	314.6	308.1	304.8	301.4	298.7	296.2
75°	309.4	309.5	309.8	308.3	305.4	300.3	293.5	290.1	286.9	284.8	282.9
75.5°	298.6	298.2	297.8	295.7	292.1	286.1	278.9	275.4	272.1	271.0	269.9
76°	287.8	287.0	285.9	283.2	278.9	272.1	264.4	260.7	257.8	257.2	256.5
76.5°	277.2	275.7	274.1	270.5	265.7	258.3	249.7	246.0	243.6	243.7	244.0
77°	266.5	264.7	262.8	258.8	252.5	244.5	235.9	231.8	229.7	230.1	231.3
77.5°	256.1	253.9	251.2	246.5	239.7	231.0	221.7	217.7	215.6	217.1	219.0
78°	246.0	243.3	239.8	234.5	227.0	217.7	208.1	203.7	202.1	203.8	206.2
78.5°	235.9	232.8	228.9	222.9	214.7	204.6	194.6	190.1	188.6	191.0	194.6
79°	226.0	222.6	217.9	211.3	202.5	191.8	181.4	177.1	175.9	179.1	183.4
79.5°	216.2	212.3	207.3	199.6	190.6	179.1	168.0	164.2	163.3	167.3	172.2
80°	206.6	202.4	196.8	188.7	178.6	166.5	155.3	151.2	150.6	155.4	161.1
80.5°	197.2	192.6	186.5	177.4	167.0	154.6	142.9	138.2	138.0	143.5	149.9
81°	188.2	183.2	176.4	167.1	155.8	142.9	130.8	125.9	126.0	131.6	138.8
81.5°	179.2	173.8	166.6	156.6	145.0	131.4	118.8	113.4	114.6	120.4	128.3
82°	170.2	164.5	157.1	146.7	134.1	120.2	107.4	101.7	103.0	109.5	118.1
82.5°	161.5	155.7	147.7	136.6	123.8	109.4	96.4	90.9	92.1	99.3	108.5
83°	153.3	147.0	138.7	127.4	113.8	98.9	85.7	80.1	81.8	89.4	99.1
83.5°	145.1	138.7	129.9	118.2	104.2	89.1	75.7	70.0	72.2	79.9	90.1
84°	137.2	130.6	121.5	109.3	94.9	79.4	66.0	60.2	62.4	70.7	81.6
84.5°	129.7	122.7	113.2	100.5	86.0	70.4	57.8	51.0	53.5	62.1	73.5
85°	122.1	115.0	105.1	92.5	77.6	62.9	49.7	42.4	45.0	54.2	65.9
85.5°	114.8	107.6	97.6	84.8	69.8	55.6	41.5	34.4	37.3	46.8	58.8
86°	107.8	100.5	90.4	77.4	63.3	48.2	33.4	28.6	30.2	40.1	52.2
86.5°	101.2	93.8	83.4	70.5	56.9	40.9	26.4	22.8	25.5	33.8	46.0
87°	94.7	87.2	76.7	64.8	50.5	33.5	20.4	17.0	20.8	28.3	40.2
87.5°	88.4	80.8	70.7	59.1	44.1	27.8	15.2	11.2	16.1	24.8	35.0
88°	82.5	74.9	65.3	53.3	37.7	22.9	10.9	5.4	11.4	21.2	30.5
88.5°	76.8	69.0	60.2	47.6	32.6	18.7	7.6	2.5	7.0	17.6	26.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	62.3	55.0	45.0	33.2	20.8	9.7	3.4	0.8	2.9	8.8	18.6
90.5°	57.9	50.4	40.8	29.5	17.8	7.8	2.0	0.6	2.5	7.5	16.4
91°	53.4	46.2	36.9	26.1	15.3	6.9	1.5	0.4	2.2	6.6	14.2
91.5°	49.2	42.4	33.4	23.1	13.1	6.1	1.2	0.3	1.9	6.0	12.1
92°	45.4	38.7	30.2	20.6	11.5	5.2	1.0	0.3	1.8	5.6	11.0
92.5°	41.9	35.5	27.3	18.3	10.1	4.3	0.8	0.4	1.6	5.2	10.2
93°	38.7	32.5	24.8	16.4	9.0	3.9	0.7	0.5	1.5	4.8	9.6
93.5°	35.7	29.8	22.5	14.8	8.2	3.5	0.6	0.5	1.4	4.6	9.1
94°	32.9	27.3	20.5	13.4	7.6	3.2	0.6	0.6	1.3	4.5	8.7
94.5°	30.4	25.1	18.7	12.3	7.2	2.9	0.7	0.7	1.3	4.4	8.3
95°	28.1	23.1	17.2	11.4	6.7	2.7	0.7	0.7	1.4	4.4	8.0
95.5°	26.0	21.3	15.9	10.7	6.3	2.5	0.8	0.9	1.3	4.3	7.8
96°	24.1	19.8	14.9	10.2	5.9	2.3	0.9	1.0	1.3	4.2	7.6
96.5°	22.5	18.5	14.0	9.7	5.5	2.2	1.0	1.1	1.3	4.0	7.4
97°	21.0	17.3	13.3	9.2	5.2	2.0	1.1	1.1	1.3	3.9	7.3
97.5°	19.7	16.4	12.6	8.8	4.9	1.9	1.2	1.3	1.3	3.7	7.2
98°	18.6	15.6	12.1	8.3	4.6	1.8	1.3	1.4	1.3	3.6	7.1
98.5°	17.7	14.9	11.6	7.9	4.4	1.8	1.4	1.5	1.4	3.5	7.0
99°	16.9	14.3	11.1	7.5	4.2	1.7	1.5	1.7	1.5	3.5	6.9
99.5°	16.3	13.8	10.6	7.2	3.9	1.7	1.6	1.9	1.7	3.5	6.7
100°	15.6	13.2	10.2	6.8	3.7	1.6	1.7	2.0	1.8	3.5	6.5
100.5°	15.1	12.7	9.7	6.4	3.5	1.6	1.8	2.2	1.9	3.4	6.4
101°	14.5	12.2	9.3	6.1	3.3	1.6	1.9	2.3	2.0	3.4	6.2
101.5°	14.0	11.7	8.9	5.8	3.1	1.6	1.9	2.4	2.1	3.3	6.1
102°	13.4	11.2	8.5	5.5	2.9	1.7	2.0	2.5	2.2	3.2	6.0
102.5°	12.9	10.8	8.1	5.2	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	5.7
103.5°	12.0	9.9	7.5	4.8	2.5	1.9	2.4	2.7	2.5	2.9	5.6
104°	11.5	9.5	7.2	4.5	2.4	2.0	2.5	2.7	2.6	2.8	5.5
104.5°	11.1	9.2	6.8	4.3	2.4	2.1	2.6	2.8	2.7	2.8	5.3
105°	10.7	8.8	6.5	4.1	2.4	2.2	2.8	2.9	2.8	2.8	5.2
105.5°	10.2	8.4	6.2	3.9	2.4	2.3	3.2	3.0	2.9	2.8	5.0
106°	9.8	8.1	6.0	3.7	2.4	2.3	3.6	3.1	3.0	2.7	4.8
106.5°	9.4	7.8	5.7	3.6	2.3	2.4	3.9	3.2	3.3	2.7	4.6
107°	9.0	7.5	5.4	3.4	2.3	2.4	4.3	3.3	3.6	2.6	4.5
107.5°	8.7	7.1	5.2	3.3	2.3	2.5	4.4	3.3	3.9	2.6	4.3
108°	8.3	6.8	4.9	3.2	2.3	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	2.8	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	3.9	2.7	2.7	3.0	4.0	3.6	4.0	3.0	3.7
111°	6.5	5.1	3.8	2.7	2.7	3.1	4.0	3.7	4.1	3.1	3.7



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	4.1	4.6	5.4	6.5	6.3	5.1	4.5	4.2	5.2	5.5	5.0
135.5°	4.2	4.7	5.5	6.6	6.3	5.1	4.5	4.2	5.3	5.5	5.0
136°	4.2	4.8	5.5	6.6	6.2	5.0	4.5	4.2	5.3	5.5	5.0
136.5°	4.3	4.8	5.6	6.6	6.1	5.0	4.6	4.2	5.2	5.5	5.1
137°	4.4	4.9	5.7	6.7	6.1	5.0	4.6	4.2	5.2	5.5	5.1
137.5°	4.5	5.0	5.8	6.7	6.0	5.0	4.6	4.2	5.1	5.5	5.1
138°	4.5	5.1	5.9	6.8	5.9	5.1	4.6	4.2	5.1	5.4	5.2
138.5°	4.6	5.2	6.1	6.8	5.8	5.0	4.6	4.2	4.9	5.4	5.2
139°	4.7	5.3	6.2	6.8	5.7	5.0	4.6	4.2	4.8	5.4	5.1
139.5°	4.7	5.4	6.3	6.8	5.7	5.0	4.7	4.2	4.9	5.4	5.1
140°	4.8	5.4	6.4	6.7	5.6	5.0	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	5.5	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	5.3	5.1	4.6	4.1	5.0	5.6	5.2
142°	5.1	5.8	6.6	6.4	5.3	5.1	4.7	4.1	4.9	5.6	5.2
142.5°	5.2	6.0	6.6	6.3	5.2	5.1	4.7	4.0	4.9	5.6	5.1
143°	5.3	6.1	6.6	6.2	5.2	5.1	4.6	3.9	4.9	5.5	5.0
143.5°	5.4	6.2	6.6	6.1	5.1	5.1	4.5	3.9	4.9	5.4	5.0
144°	5.5	6.2	6.6	6.0	5.1	5.1	4.6	4.0	4.9	5.4	5.1
144.5°	5.6	6.2	6.5	5.9	5.0	5.0	4.6	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	5.6	5.2
145.5°	6.0	6.3	6.4	5.7	5.0	5.0	4.7	4.0	4.7	5.6	5.1
146°	6.1	6.3	6.3	5.6	5.0	5.0	4.7	4.0	4.7	5.7	5.1
146.5°	6.0	6.2	6.2	5.5	4.9	5.0	4.6	4.0	4.7	5.6	5.2
147°	6.1	6.2	6.1	5.3	4.9	5.0	4.6	4.0	4.6	5.6	5.3
147.5°	6.1	6.2	6.0	5.2	4.9	4.9	4.5	4.0	4.7	5.6	5.4
148°	6.0	6.2	5.9	5.1	4.8	4.8	4.4	4.1	4.7	5.6	5.4
148.5°	6.0	6.1	5.8	5.1	4.8	4.7	4.5	4.1	4.6	5.5	5.4
149°	5.9	6.0	5.7	5.0	4.8	4.8	4.5	4.1	4.6	5.5	5.4
149.5°	5.9	5.9	5.5	4.9	4.8	4.9	4.5	4.0	4.6	5.5	5.4
150°	5.9	5.8	5.4	4.8	4.7	4.8	4.5	4.1	4.6	5.5	5.5
150.5°	5.8	5.7	5.3	4.8	4.7	4.7	4.5	4.1	4.5	5.4	5.4
151°	5.8	5.6	5.1	4.7	4.6	4.7	4.5	4.1	4.5	5.4	5.3
151.5°	5.8	5.5	5.0	4.7	4.6	4.7	4.4	4.1	4.5	5.3	5.2
152°	5.7	5.4	4.9	4.6	4.7	4.7	4.4	4.1	4.4	5.2	5.4
152.5°	5.6	5.3	4.8	4.5	4.7	4.7	4.4	4.1	4.2	5.1	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°	5.3	5.0	4.6	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	4.6	4.3	3.8	3.9	4.9	5.5
154.5°	5.1	4.8	4.5	4.4	4.6	4.6	4.3	3.8	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	5.1
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°	4.7	4.5	4.3	4.4	4.4	4.2	4.1	3.5	3.7	4.2	4.7



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	4.5	4.3	4.2	4.4	4.3	4.2	3.5	3.5	3.6	4.1	4.7
158°	4.4	4.2	4.2	4.4	4.5	4.2	3.4	3.5	3.6	4.0	4.6
158.5°	4.3	4.2	4.2	4.4	4.5	4.1	3.4	3.5	3.6	4.0	4.6
159°	4.2	4.2	4.2	4.4	4.4	4.1	3.4	3.5	3.5	3.9	4.4
159.5°	4.2	4.2	4.2	4.3	4.3	4.0	3.4	3.4	3.5	3.9	4.3
160°	4.1	4.2	4.2	4.2	4.2	4.1	3.4	3.4	3.5	3.9	4.3
160.5°	4.1	4.2	4.2	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	4.3	4.3	3.7	3.4	3.4	3.5	3.7	4.1
162°	4.1	4.2	4.3	4.4	4.2	3.5	3.4	3.4	3.5	3.7	4.1
162.5°	4.1	4.2	4.3	4.4	4.1	3.4	3.3	3.3	3.5	3.7	4.0
163°	4.1	4.2	4.4	4.4	4.1	3.4	3.3	3.3	3.5	3.6	4.0
163.5°	4.2	4.2	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	4.2	3.5	3.3	3.3	3.3	3.4	3.6	3.9
164.5°	4.2	4.3	4.4	4.2	3.5	3.3	3.3	3.3	3.4	3.6	3.9
165°	4.2	4.3	4.4	4.2	3.5	3.3	3.3	3.3	3.4	3.5	3.8
165.5°	4.2	4.3	4.4	4.1	3.4	3.3	3.3	3.3	3.4	3.5	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	4.0	3.4	3.3	3.3	3.3	3.4	3.5	3.8
167°	4.3	4.4	4.3	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	4.4	4.2	3.5	3.3	3.3	3.4	3.3	3.4	3.5	3.7
168.5°	4.4	4.4	4.1	3.5	3.3	3.3	3.4	3.4	3.4	3.5	3.7
169°	4.4	4.4	4.0	3.4	3.3	3.4	3.4	3.4	3.4	3.5	3.6
169.5°	4.4	4.3	4.0	3.4	3.3	3.4	3.5	3.4	3.4	3.5	3.6
170°	4.4	4.3	4.0	3.4	3.3	3.4	3.7	3.6	3.4	3.6	3.8
170.5°	4.4	4.2	3.6	3.4	3.3	3.6	3.8	3.8	3.4	3.8	4.1
171°	4.3	4.1	3.4	3.3	3.4	3.6	3.9	3.8	3.4	4.1	4.1
171.5°	4.3	4.0	3.4	3.3	3.4	3.7	3.9	3.8	3.8	4.1	4.1
172°	4.2	3.9	3.3	3.3	3.5	3.9	3.9	3.8	3.8	4.0	4.1
172.5°	4.1	3.8	3.3	3.2	3.6	4.0	3.9	3.8	3.8	4.0	4.1
173°	4.0	3.8	3.3	3.3	3.6	3.9	3.9	3.9	3.8	4.0	4.1
173.5°	4.0	3.7	3.3	3.3	3.6	3.9	3.9	3.9	3.8	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	4.0
174.5°	3.8	3.3	3.2	3.4	3.8	3.9	3.9	3.9	3.9	3.9	4.0
175°	3.8	3.3	3.2	3.4	3.8	4.0	3.9	3.9	3.9	3.9	3.9
175.5°	3.7	3.4	3.3	3.4	3.8	3.9	3.9	3.9	3.9	3.9	3.9
176°	3.7	3.4	3.3	3.5	3.8	3.9	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	3.8	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	3.7	3.7	3.7
178.5°	3.4	3.2	3.1	3.2	3.4	3.5	3.6	3.6	3.7	3.7	3.7



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

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: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9
0.5°	1969.2	1969.2	1969.2	1969.3	1969.3	1969.3	1969.4	1969.4	1969.5	1969.5	1969.5
1°	1968.6	1968.6	1968.3	1967.9	1967.5	1967.2	1967.5	1967.8	1968.3	1968.7	1969.0
1.5°	1967.5	1967.6	1967.6	1967.4	1967.2	1967.2	1967.4	1967.6	1967.9	1968.1	1968.3
2°	1965.9	1965.9	1965.7	1965.3	1965.0	1964.9	1965.2	1965.7	1966.3	1966.7	1966.8
2.5°	1964.7	1964.5	1963.7	1962.9	1963.0	1963.3	1963.3	1963.4	1964.1	1965.0	1965.5
3°	1962.9	1962.6	1961.5	1961.2	1961.5	1961.8	1961.6	1961.6	1962.2	1963.0	1963.3
3.5°	1959.8	1959.6	1959.3	1958.7	1958.9	1959.6	1959.9	1960.2	1960.7	1961.3	1962.0
4°	1958.2	1958.1	1957.2	1956.5	1956.8	1957.4	1957.8	1957.9	1958.0	1958.8	1959.5
4.5°	1955.2	1954.8	1954.6	1954.6	1954.5	1954.2	1954.4	1955.0	1955.3	1956.6	1958.1
5°	1952.8	1952.5	1951.4	1950.9	1950.3	1950.1	1950.8	1951.9	1953.1	1954.6	1956.4
5.5°	1950.3	1949.4	1948.6	1947.9	1947.6	1948.0	1948.0	1948.8	1950.3	1952.3	1954.1
6°	1946.7	1945.9	1945.4	1944.8	1944.6	1944.2	1944.2	1945.0	1946.8	1948.2	1950.6
6.5°	1943.3	1941.9	1941.3	1940.8	1940.5	1940.8	1940.8	1941.9	1943.5	1945.3	1948.0
7°	1940.5	1939.1	1937.5	1936.6	1936.8	1937.2	1937.6	1938.6	1940.5	1941.9	1945.4
7.5°	1937.2	1935.8	1933.5	1932.9	1932.2	1931.4	1932.4	1934.1	1936.0	1938.3	1941.5
8°	1932.7	1931.6	1929.6	1928.3	1927.6	1927.7	1928.3	1929.9	1931.8	1934.0	1937.7
8.5°	1928.4	1926.3	1925.1	1923.9	1922.9	1923.2	1923.6	1925.4	1927.9	1930.2	1933.8
9°	1923.5	1921.7	1920.4	1918.8	1918.5	1918.5	1918.5	1920.2	1923.2	1926.6	1930.9
9.5°	1919.6	1917.4	1914.8	1913.8	1913.2	1912.9	1913.2	1915.3	1918.3	1921.9	1926.6
10°	1916.3	1912.6	1910.2	1908.4	1907.9	1907.9	1907.7	1909.9	1913.5	1917.4	1921.7
10.5°	1910.7	1907.7	1904.6	1902.6	1901.8	1900.9	1902.3	1904.9	1908.2	1912.5	1917.8
11°	1905.1	1902.1	1899.0	1897.2	1896.1	1895.9	1896.4	1898.7	1902.7	1906.8	1912.7
11.5°	1899.6	1896.2	1893.0	1890.9	1890.0	1889.2	1890.4	1892.8	1897.0	1902.6	1906.8
12°	1894.9	1890.3	1886.8	1884.8	1883.4	1883.0	1884.7	1887.5	1891.4	1897.4	1903.0
12.5°	1889.5	1884.6	1881.0	1878.8	1877.4	1876.0	1878.0	1880.8	1885.2	1891.0	1898.1
13°	1883.6	1878.2	1874.3	1871.6	1869.4	1868.9	1871.3	1874.1	1878.3	1884.9	1891.7
13.5°	1876.7	1871.3	1867.4	1864.3	1862.1	1861.9	1864.0	1866.7	1871.9	1878.3	1886.2
14°	1870.9	1864.9	1860.6	1857.3	1854.9	1855.6	1856.3	1859.8	1865.5	1872.9	1879.3
14.5°	1864.3	1857.6	1853.6	1850.3	1846.9	1847.3	1849.5	1852.5	1858.3	1866.1	1873.6
15°	1857.4	1850.8	1846.5	1842.3	1840.0	1839.6	1841.4	1845.5	1850.7	1858.7	1866.9
15.5°	1851.0	1844.0	1838.4	1834.1	1832.3	1831.2	1833.3	1837.4	1843.7	1851.6	1860.3
16°	1844.0	1836.7	1830.5	1825.7	1822.9	1822.7	1824.6	1829.2	1835.6	1843.9	1852.9
16.5°	1836.5	1829.0	1822.6	1817.5	1814.9	1815.1	1816.8	1820.9	1828.0	1836.4	1845.6
17°	1829.0	1821.1	1814.8	1809.6	1806.8	1806.2	1808.2	1812.5	1819.8	1829.4	1838.4
17.5°	1821.3	1813.1	1806.5	1801.0	1797.9	1797.0	1799.7	1803.7	1811.1	1821.3	1831.7
18°	1813.2	1804.5	1797.7	1791.7	1788.4	1787.3	1789.3	1795.5	1803.1	1813.0	1824.0
18.5°	1805.0	1796.4	1788.3	1782.0	1779.2	1778.6	1780.7	1786.5	1795.0	1804.8	1815.9
19°	1797.4	1787.1	1778.9	1772.7	1770.4	1768.3	1770.5	1776.6	1785.0	1796.0	1807.0
19.5°	1788.0	1778.1	1769.7	1763.1	1760.4	1758.7	1761.2	1766.8	1775.6	1787.6	1799.2
20°	1779.8	1769.6	1760.6	1753.4	1749.6	1748.9	1752.0	1757.5	1766.9	1778.8	1791.9
20.5°	1771.2	1760.2	1751.1	1743.3	1738.9	1738.5	1741.6	1748.2	1757.5	1769.8	1783.4
21°	1761.7	1750.9	1741.2	1733.0	1728.2	1728.1	1731.2	1737.8	1748.0	1760.9	1774.0



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1733.6	1720.8	1710.1	1701.9	1695.9	1695.0	1697.8	1705.0	1716.7	1731.9	1746.3
23°	1724.4	1710.7	1699.9	1690.8	1685.0	1684.6	1686.9	1694.6	1706.6	1721.9	1737.6
23.5°	1714.0	1699.8	1688.6	1679.5	1674.4	1672.3	1675.3	1683.2	1695.9	1711.2	1727.6
24°	1704.1	1689.5	1677.3	1667.1	1662.3	1660.2	1663.0	1672.2	1684.5	1700.5	1717.2
24.5°	1693.7	1679.0	1665.8	1655.4	1650.5	1647.8	1652.0	1661.7	1674.3	1690.0	1707.3
25°	1684.6	1668.2	1655.4	1644.3	1639.1	1636.0	1640.1	1650.1	1663.1	1679.4	1696.7
25.5°	1672.7	1656.8	1643.8	1632.4	1626.0	1623.9	1627.8	1637.3	1651.0	1668.2	1686.8
26°	1661.7	1645.3	1631.4	1620.5	1614.2	1611.4	1615.7	1625.3	1640.1	1657.7	1676.5
26.5°	1650.9	1634.1	1619.2	1608.1	1602.0	1598.9	1602.5	1613.2	1628.1	1646.4	1665.3
27°	1640.5	1623.3	1607.6	1595.1	1588.7	1586.8	1590.2	1600.5	1616.2	1634.5	1654.3
27.5°	1628.9	1610.5	1595.2	1582.2	1575.0	1574.2	1577.7	1587.8	1603.7	1623.5	1642.8
28°	1616.9	1598.7	1583.1	1569.5	1562.7	1560.6	1565.1	1576.3	1592.1	1611.5	1632.2
28.5°	1605.8	1587.3	1570.8	1557.6	1549.8	1547.3	1551.4	1563.0	1579.7	1599.3	1619.8
29°	1594.2	1574.6	1557.9	1543.9	1536.1	1534.9	1539.1	1549.3	1566.1	1586.7	1608.4
29.5°	1582.3	1561.9	1545.0	1530.7	1523.0	1520.5	1524.1	1536.3	1553.7	1575.2	1597.4
30°	1570.2	1549.3	1532.0	1517.5	1509.1	1506.9	1511.6	1523.5	1541.1	1563.1	1585.4
30.5°	1557.7	1537.0	1518.9	1504.0	1496.1	1493.1	1497.7	1509.7	1527.7	1550.0	1573.0
31°	1545.4	1524.1	1505.7	1490.7	1482.3	1479.3	1484.4	1496.7	1514.7	1537.2	1561.3
31.5°	1532.8	1511.3	1492.5	1476.9	1468.0	1465.0	1470.3	1483.2	1501.8	1524.9	1548.6
32°	1519.9	1498.5	1479.3	1462.6	1453.7	1450.7	1456.1	1469.0	1488.9	1512.1	1536.3
32.5°	1508.0	1485.5	1465.5	1448.2	1439.4	1436.4	1441.9	1454.8	1475.3	1499.3	1523.7
33°	1494.8	1471.8	1451.8	1433.8	1425.0	1422.1	1427.7	1440.6	1461.2	1486.4	1511.4
33.5°	1481.2	1457.9	1438.0	1419.4	1410.7	1407.8	1413.5	1426.4	1447.2	1473.0	1498.6
34°	1470.0	1444.4	1424.4	1405.8	1395.5	1393.2	1398.1	1412.0	1433.3	1459.5	1485.6
34.5°	1456.1	1430.8	1410.4	1392.2	1381.2	1378.0	1383.8	1398.3	1419.4	1445.8	1473.2
35°	1442.3	1416.9	1395.1	1377.6	1366.8	1363.2	1369.4	1384.1	1405.4	1432.3	1459.9
35.5°	1428.7	1403.1	1381.0	1363.1	1352.1	1348.6	1354.6	1369.8	1391.0	1418.6	1446.6
36°	1414.9	1389.4	1367.1	1347.7	1336.7	1333.5	1339.4	1353.8	1376.6	1405.0	1433.3
36.5°	1401.0	1375.0	1351.6	1332.9	1321.3	1318.7	1324.5	1339.7	1361.9	1390.1	1419.9
37°	1387.0	1360.0	1337.3	1318.4	1306.1	1302.9	1309.2	1325.2	1347.5	1375.9	1406.0
37.5°	1373.0	1345.7	1322.6	1303.6	1292.1	1287.9	1294.3	1309.8	1332.5	1361.4	1392.1
38°	1358.4	1331.0	1307.5	1287.7	1276.0	1273.4	1278.8	1295.2	1318.4	1347.2	1377.3
38.5°	1344.3	1316.8	1292.7	1273.0	1261.1	1257.1	1264.0	1280.0	1303.5	1333.0	1363.4
39°	1330.2	1302.4	1277.6	1257.7	1246.0	1242.4	1249.2	1265.2	1288.8	1318.6	1349.4
39.5°	1315.5	1288.1	1263.1	1242.5	1231.1	1226.8	1233.1	1249.6	1273.6	1303.8	1335.4
40°	1301.5	1273.0	1248.1	1227.7	1215.2	1211.6	1218.2	1234.6	1258.5	1289.1	1321.0
40.5°	1287.0	1258.1	1233.0	1212.2	1199.7	1196.1	1202.1	1218.8	1244.3	1274.4	1307.0
41°	1272.5	1243.1	1217.8	1196.5	1184.3	1180.6	1187.6	1204.2	1228.7	1259.8	1292.1
41.5°	1257.6	1228.4	1202.8	1181.7	1169.0	1165.5	1171.5	1189.0	1213.9	1245.0	1277.6
42°	1242.6	1213.2	1187.2	1166.4	1153.1	1149.7	1156.6	1173.2	1198.7	1229.8	1263.7
42.5°	1228.5	1198.7	1172.1	1151.0	1137.9	1134.5	1140.9	1158.2	1184.0	1214.5	1248.1
43°	1213.9	1183.1	1157.2	1135.5	1122.0	1119.4	1126.1	1143.1	1168.7	1200.2	1233.8
43.5°	1198.6	1168.3	1141.8	1119.8	1107.2	1103.5	1110.2	1127.1	1152.7	1185.3	1218.9



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	1153.4	1122.1	1095.4	1074.0	1061.3	1056.9	1063.4	1081.3	1106.7	1139.9	1174.4
45.5°	1138.4	1107.3	1080.9	1058.4	1045.7	1041.8	1048.7	1066.2	1091.7	1124.5	1159.1
46°	1123.3	1092.3	1065.1	1043.4	1030.1	1027.0	1033.5	1051.2	1077.0	1109.3	1144.3
46.5°	1107.9	1077.0	1050.0	1028.1	1014.9	1011.5	1018.1	1036.1	1062.0	1094.1	1128.8
47°	1093.0	1061.3	1034.5	1012.7	999.2	996.0	1003.0	1020.3	1046.4	1078.8	1114.2
47.5°	1077.4	1046.2	1019.6	997.5	984.3	981.2	987.8	1005.1	1031.0	1063.7	1098.8
48°	1061.8	1031.4	1003.6	982.2	969.4	965.5	972.0	989.7	1015.7	1048.2	1083.3
48.5°	1046.5	1015.9	988.9	967.3	954.5	950.5	957.5	974.6	1000.4	1033.1	1067.7
49°	1031.5	1000.5	973.6	952.4	938.9	935.4	942.7	959.9	986.0	1018.5	1052.5
49.5°	1017.0	985.2	958.9	937.4	923.8	921.1	927.5	944.9	970.2	1003.0	1037.8
50°	1000.4	970.1	943.3	922.0	908.9	905.7	913.0	929.5	955.8	987.4	1022.8
50.5°	985.9	954.8	927.5	906.9	894.5	891.1	897.2	914.2	940.3	972.1	1007.3
51°	970.3	939.2	913.2	892.3	879.3	876.9	882.9	899.7	924.8	957.0	992.3
51.5°	954.7	924.3	898.5	877.7	864.6	861.9	868.5	885.4	910.3	942.1	976.7
52°	939.1	909.7	883.6	863.0	850.0	847.1	853.8	870.9	895.6	927.7	961.5
52.5°	923.9	894.5	868.7	848.1	835.8	833.3	839.1	856.1	881.0	912.4	946.2
53°	908.8	879.4	853.4	833.3	821.1	818.9	824.8	841.4	866.0	897.2	931.1
53.5°	893.7	864.4	838.5	818.8	806.6	804.1	810.9	826.5	851.4	882.3	916.6
54°	878.5	849.6	823.7	804.5	792.3	789.0	795.7	811.7	836.4	867.2	901.2
54.5°	863.3	834.1	809.1	789.8	778.0	775.5	782.1	797.5	821.9	852.2	885.5
55°	847.9	818.8	794.6	775.7	763.6	761.2	767.5	783.4	807.1	837.6	870.4
55.5°	833.2	804.3	780.0	761.2	750.2	747.6	753.8	769.0	792.6	822.7	854.9
56°	817.7	789.4	765.3	747.1	735.9	733.7	739.8	754.5	777.9	807.9	840.2
56.5°	802.4	774.3	751.3	733.1	721.5	719.3	725.9	740.8	763.9	793.1	824.9
57°	787.4	759.8	736.5	719.0	707.9	706.0	712.1	727.1	749.2	778.0	809.9
57.5°	771.8	745.4	722.7	704.7	694.0	691.9	697.7	712.5	735.1	763.3	794.6
58°	757.0	730.6	708.1	690.9	680.9	678.5	684.5	698.7	720.7	748.5	779.7
58.5°	741.7	716.3	694.2	677.0	667.0	665.2	670.9	684.9	706.8	734.2	765.2
59°	726.9	701.8	679.8	663.5	653.3	651.5	657.3	671.3	692.6	719.8	750.2
59.5°	712.1	687.0	666.2	649.6	639.6	638.0	644.5	657.7	678.9	705.2	735.2
60°	697.0	672.9	652.5	635.8	626.9	625.3	630.7	644.0	664.7	690.9	719.9
60.5°	682.4	658.5	638.3	622.3	613.4	611.6	617.2	630.4	651.0	676.6	704.7
61°	667.2	644.3	624.4	609.0	600.0	598.6	603.9	617.2	637.0	662.3	690.5
61.5°	652.5	630.0	610.9	596.2	587.8	585.7	591.3	604.0	623.6	648.0	675.3
62°	637.4	615.9	597.5	582.6	574.2	573.0	578.2	591.0	609.8	634.1	660.6
62.5°	623.2	601.9	583.7	569.4	561.1	560.3	565.3	577.7	596.3	620.1	646.0
63°	608.7	588.0	569.9	556.2	548.6	547.4	552.4	564.5	582.7	605.9	631.4
63.5°	594.3	573.9	556.5	543.2	536.1	534.8	539.9	551.5	569.3	592.2	617.3
64°	579.4	560.0	543.9	530.5	523.5	522.4	527.0	538.8	555.8	578.3	602.5
64.5°	565.1	546.3	530.3	517.6	510.6	510.0	514.7	525.8	542.7	564.2	588.2
65°	550.8	532.6	517.0	505.1	498.5	497.5	502.4	513.3	529.7	550.6	573.8
65.5°	536.5	519.1	504.5	492.6	486.1	485.2	490.1	500.7	516.9	536.9	559.5
66°	522.7	505.6	491.6	479.7	473.4	472.8	477.3	487.8	503.6	523.5	545.1



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	479.7	464.9	452.4	442.8	437.5	436.9	441.3	450.9	465.0	483.0	502.3
68°	465.8	451.8	439.8	430.5	425.8	425.4	429.6	438.8	452.0	469.7	488.8
68.5°	452.2	438.6	427.3	418.6	414.0	413.3	417.7	426.8	439.8	456.6	475.1
69°	438.3	425.4	414.9	406.7	402.2	402.0	405.9	414.7	427.3	443.4	461.4
69.5°	424.5	412.6	402.4	394.6	390.2	390.2	394.1	402.7	414.8	430.1	447.3
70°	411.2	399.7	390.3	382.6	379.0	379.1	382.8	390.8	402.4	417.0	433.4
70.5°	397.1	386.9	378.0	371.3	367.7	367.9	371.5	379.0	390.1	404.4	419.5
71°	383.8	374.1	366.1	359.8	356.5	356.6	360.1	367.4	378.1	391.4	406.5
71.5°	370.7	361.6	354.1	348.2	345.1	345.3	348.9	355.8	366.1	378.8	392.7
72°	357.4	349.2	342.3	336.8	334.1	334.7	337.9	344.5	354.2	366.4	379.6
72.5°	344.1	336.8	330.5	325.6	323.2	323.5	327.0	333.3	342.4	353.8	366.0
73°	331.3	324.6	318.8	314.4	312.1	312.7	315.8	322.1	330.3	341.4	353.6
73.5°	318.3	312.4	307.1	303.3	301.6	301.9	305.2	310.7	319.0	329.1	340.1
74°	305.3	300.3	296.0	292.6	290.8	291.9	294.5	299.9	307.5	317.1	327.1
74.5°	292.7	288.4	284.5	282.0	280.4	281.4	284.1	289.3	296.3	304.9	314.1
75°	280.4	276.9	273.7	271.1	270.0	271.0	273.7	278.3	285.0	293.0	301.9
75.5°	268.2	265.3	262.4	260.7	259.9	260.8	263.3	267.7	273.7	281.1	289.2
76°	255.7	253.8	252.0	250.2	249.6	250.7	253.1	257.4	263.0	269.5	276.9
76.5°	243.7	242.4	241.2	240.0	239.7	240.7	243.1	247.1	252.0	257.9	264.5
77°	231.9	231.2	230.9	230.1	229.9	231.1	233.3	236.8	241.4	246.6	252.5
77.5°	220.0	220.4	220.3	220.4	220.5	221.6	223.9	226.8	231.0	235.5	240.0
78°	208.6	209.9	210.3	210.6	211.3	212.4	214.2	217.2	220.8	224.6	228.5
78.5°	197.6	199.7	200.5	201.1	202.0	203.2	205.0	207.6	210.4	213.8	216.8
79°	186.5	189.1	190.7	191.9	192.9	194.2	195.9	198.2	200.6	203.1	205.6
79.5°	176.1	179.2	181.4	183.0	184.2	185.5	187.3	189.0	190.9	192.8	194.0
80°	165.8	170.0	172.8	174.5	176.1	177.1	178.5	179.9	181.7	182.6	183.3
80.5°	155.4	160.7	164.1	166.4	168.1	169.2	170.4	171.5	173.0	173.0	173.1
81°	145.1	151.4	155.4	158.2	160.1	161.2	162.4	163.4	164.3	163.7	162.9
81.5°	135.5	142.1	146.7	150.0	152.0	153.3	154.4	155.3	155.5	154.4	152.7
82°	126.5	133.1	138.1	141.7	144.0	145.3	146.4	147.1	146.7	145.1	142.4
82.5°	117.3	124.8	130.1	133.9	136.5	138.0	138.9	139.1	138.1	136.1	132.5
83°	108.5	116.5	122.3	126.4	129.1	130.7	131.5	131.4	130.0	127.4	123.3
83.5°	100.1	108.5	114.8	119.1	121.8	123.4	124.2	123.9	122.3	119.0	114.2
84°	92.1	100.8	107.4	112.0	114.9	116.7	117.3	116.7	114.6	110.9	105.6
84.5°	84.3	93.7	100.5	105.2	108.3	109.9	110.5	109.7	107.4	103.1	97.0
85°	77.1	86.7	93.6	98.6	101.9	103.5	103.9	102.9	100.2	95.7	89.2
85.5°	70.2	79.9	87.2	92.3	95.6	97.1	97.4	96.4	93.4	88.5	81.6
86°	63.7	73.4	81.0	86.3	89.6	91.2	91.6	90.2	86.8	81.6	74.3
86.5°	57.5	67.5	75.2	80.5	83.8	85.5	85.7	84.2	80.8	75.1	67.3
87°	51.9	61.9	69.5	75.0	78.5	80.1	80.2	78.4	74.8	69.0	60.9
87.5°	46.6	56.5	64.3	69.9	73.3	74.9	74.8	73.1	69.2	63.2	54.9
88°	41.8	51.7	59.4	65.0	68.4	69.9	69.9	68.0	63.9	57.9	49.3
88.5°	37.3	47.1	54.7	60.3	63.6	65.2	65.1	63.0	59.0	52.8	44.3



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	26.7	35.5	42.7	48.0	51.4	52.8	52.5	50.2	45.9	39.6	31.3
90.5°	23.9	32.3	39.3	44.5	47.8	49.1	48.7	46.5	42.2	36.0	27.9
91°	21.5	29.5	36.3	41.3	44.5	45.8	45.4	43.1	38.9	32.6	24.9
91.5°	19.5	27.0	33.5	38.3	41.4	42.6	42.2	40.0	35.7	29.7	22.3
92°	18.3	24.9	31.0	35.6	38.6	39.8	39.3	37.0	33.0	27.2	20.0
92.5°	17.1	23.0	28.7	33.2	36.1	37.1	36.7	34.4	30.4	24.9	18.6
93°	15.9	21.4	26.8	31.1	33.7	34.8	34.3	32.1	28.2	22.9	17.3
93.5°	14.8	20.0	25.2	29.1	31.7	32.7	32.2	30.1	26.3	21.3	16.0
94°	13.6	18.9	23.8	27.5	29.9	30.9	30.3	28.2	24.7	19.8	14.7
94.5°	12.9	18.0	22.5	26.1	28.4	29.2	28.7	26.6	23.2	18.6	13.4
95°	12.4	17.2	21.5	24.9	27.0	27.7	27.1	25.2	21.9	17.6	12.7
95.5°	12.0	16.5	20.5	23.7	25.7	26.4	25.9	24.0	20.8	16.7	12.2
96°	11.6	16.0	19.7	22.7	24.6	25.2	24.7	22.9	19.9	16.1	11.7
96.5°	11.2	15.5	19.0	21.8	23.6	24.2	23.7	22.0	19.1	15.5	11.3
97°	11.0	15.1	18.4	21.0	22.7	23.3	22.8	21.3	18.5	14.9	10.8
97.5°	10.8	14.6	17.8	20.3	21.9	22.5	22.1	20.6	17.9	14.3	10.3
98°	10.6	14.1	17.3	19.7	21.2	21.8	21.4	20.0	17.4	13.7	9.9
98.5°	10.4	13.8	16.8	19.1	20.6	21.2	20.8	19.3	16.8	13.2	9.5
99°	10.3	13.5	16.4	18.6	20.0	20.5	20.1	18.7	16.3	12.8	9.4
99.5°	10.2	13.3	16.0	18.1	19.4	20.0	19.5	18.1	15.8	12.3	9.2
100°	10.0	13.1	15.7	17.7	19.0	19.4	19.0	17.6	15.3	12.0	9.1
100.5°	9.9	12.9	15.4	17.4	18.5	19.0	18.4	17.1	14.8	11.8	9.0
101°	9.7	12.7	15.2	17.0	18.1	18.5	18.0	16.6	14.4	11.7	8.9
101.5°	9.6	12.6	14.9	16.7	17.7	18.1	17.5	16.2	14.0	11.5	8.8
102°	9.4	12.4	14.7	16.4	17.4	17.7	17.1	15.8	13.8	11.4	8.6
102.5°	9.2	12.2	14.4	16.1	17.0	17.4	16.8	15.6	13.6	11.2	8.5
103°	9.0	12.1	14.2	15.8	16.8	17.1	16.6	15.4	13.4	11.1	8.3
103.5°	8.8	11.9	14.0	15.6	16.5	16.9	16.4	15.2	13.2	11.0	8.0
104°	8.6	11.6	13.8	15.4	16.3	16.6	16.2	15.0	13.1	10.8	7.8
104.5°	8.4	11.4	13.6	15.1	16.0	16.4	15.9	14.8	13.0	10.7	7.6
105°	8.3	11.2	13.4	14.9	15.8	16.2	15.8	14.6	12.8	10.5	7.3
105.5°	8.1	10.9	13.1	14.6	15.6	16.0	15.6	14.4	12.6	10.2	7.1
106°	7.9	10.7	12.9	14.4	15.3	15.8	15.4	14.2	12.4	9.9	6.9
106.5°	7.7	10.5	12.6	14.2	15.1	15.6	15.2	14.0	12.2	9.7	6.7
107°	7.6	10.3	12.3	13.9	14.8	15.3	14.9	13.8	12.0	9.4	6.5
107.5°	7.4	10.0	12.1	13.7	14.6	15.0	14.7	13.5	11.7	9.1	6.4
108°	7.2	9.8	11.8	13.4	14.3	14.7	14.4	13.3	11.4	8.9	6.2
108.5°	7.0	9.6	11.6	13.1	14.0	14.4	14.1	13.0	11.1	8.6	6.1
109°	6.8	9.4	11.4	12.8	13.7	14.2	13.8	12.6	10.7	8.4	5.9
109.5°	6.6	9.2	11.1	12.5	13.4	13.8	13.5	12.3	10.5	8.2	5.8
110°	6.4	9.0	10.8	12.2	13.1	13.5	13.2	12.0	10.2	8.0	5.6
110.5°	6.2	8.7	10.6	12.0	12.8	13.2	12.9	11.7	9.9	7.8	5.4
111°	6.0	8.5	10.4	11.7	12.5	12.9	12.6	11.4	9.7	7.6	5.3



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	5.4	7.8	9.7	10.9	11.7	12.0	11.7	10.6	8.9	7.1	4.8
113°	5.2	7.6	9.5	10.7	11.4	11.7	11.4	10.3	8.7	6.9	4.6
113.5°	5.0	7.3	9.3	10.4	11.1	11.4	11.1	10.1	8.5	6.8	4.4
114°	4.8	7.1	9.0	10.2	10.9	11.2	10.9	9.9	8.2	6.6	4.3
114.5°	4.6	6.9	8.8	10.0	10.6	10.9	10.6	9.6	8.0	6.4	4.2
115°	4.5	6.6	8.6	9.8	10.4	10.6	10.4	9.4	7.8	6.2	4.1
115.5°	4.4	6.4	8.3	9.5	10.2	10.3	10.1	9.1	7.6	5.9	4.0
116°	4.3	6.1	8.1	9.3	10.0	10.1	9.8	8.8	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	5.5	3.8
117°	4.2	5.7	7.5	8.8	9.5	9.6	9.3	8.3	6.9	5.4	3.7
117.5°	4.1	5.5	7.2	8.6	9.3	9.4	9.1	8.1	6.7	5.2	3.7
118°	4.1	5.3	6.9	8.3	9.1	9.2	8.8	7.9	6.4	5.0	3.6
118.5°	4.0	5.1	6.7	8.1	8.8	8.9	8.6	7.6	6.2	4.9	3.5
119°	3.9	5.0	6.4	7.8	8.5	8.7	8.3	7.4	5.9	4.7	3.3
119.5°	3.7	4.9	6.2	7.5	8.3	8.4	8.1	7.1	5.7	4.6	3.1
120°	3.6	4.7	5.9	7.2	8.0	8.2	7.8	6.8	5.5	4.4	3.0
120.5°	3.4	4.6	5.7	6.9	7.7	7.9	7.5	6.5	5.3	4.3	3.0
121°	3.2	4.5	5.6	6.6	7.4	7.6	7.2	6.3	5.1	4.2	2.9
121.5°	3.2	4.4	5.4	6.4	7.1	7.2	6.9	6.1	5.0	4.1	2.8
122°	3.2	4.3	5.2	6.1	6.8	7.0	6.7	5.9	4.8	4.0	2.9
122.5°	3.3	4.3	5.1	5.9	6.5	6.7	6.4	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	4.5	3.7	3.0
123.5°	3.4	4.0	4.8	5.6	6.1	6.2	6.0	5.3	4.4	3.5	3.0
124°	3.4	3.8	4.7	5.4	5.9	6.0	5.8	5.2	4.3	3.2	3.1
124.5°	3.5	3.7	4.6	5.3	5.7	5.8	5.6	5.1	4.2	3.1	3.1
125°	3.6	3.5	4.4	5.2	5.5	5.7	5.5	4.9	4.1	3.0	3.2
125.5°	3.6	3.2	4.4	5.0	5.4	5.5	5.3	4.8	4.0	2.8	3.2
126°	3.7	3.1	4.2	4.9	5.2	5.3	5.2	4.7	3.8	2.7	3.3
126.5°	3.8	3.2	4.1	4.8	5.1	5.2	5.0	4.6	3.6	2.7	3.3
127°	3.9	3.2	3.9	4.6	5.0	5.0	4.9	4.5	3.4	2.7	3.4
127.5°	3.9	3.3	3.7	4.5	4.9	4.9	4.8	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	3.1	2.8	3.4
128.5°	4.1	3.4	3.3	4.2	4.6	4.7	4.6	4.0	3.0	2.9	3.4
129°	4.1	3.4	3.1	4.0	4.5	4.6	4.5	3.7	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	3.5	3.2	3.6	4.1	4.2	4.0	3.4	2.9	3.0	3.4
130.5°	4.2	3.6	3.2	3.4	3.9	4.0	3.8	3.3	2.9	3.1	3.4
131°	4.3	3.7	3.3	3.2	3.7	3.8	3.6	3.1	3.0	3.1	3.5
131.5°	4.3	3.7	3.3	3.1	3.5	3.6	3.4	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	3.5
132.5°	4.4	3.8	3.4	3.2	3.1	3.2	3.1	3.0	3.1	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	3.7
133.5°	4.6	4.0	3.5	3.3	3.1	3.0	3.1	3.1	3.2	3.5	3.9



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

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: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1969.9	1969.9	1969.9	1969.9
0.5°	1969.5	1969.5	1969.4	1969.4
1°	1969.1	1969.1	1969.1	1969.2
1.5°	1968.7	1968.8	1968.8	1969.2
2°	1967.1	1967.9	1968.6	1968.9
2.5°	1965.4	1965.8	1967.4	1968.1
3°	1963.9	1965.1	1966.6	1966.8
3.5°	1963.1	1964.8	1965.2	1965.5
4°	1961.7	1963.7	1963.8	1964.6
4.5°	1958.9	1961.1	1961.6	1962.5
5°	1957.3	1958.8	1960.4	1961.2
5.5°	1955.9	1956.6	1958.6	1960.0
6°	1952.7	1955.3	1956.4	1958.4
6.5°	1949.8	1951.5	1954.1	1956.3
7°	1948.3	1948.9	1952.5	1954.4
7.5°	1944.7	1947.0	1948.2	1951.6
8°	1940.8	1943.5	1946.7	1949.6
8.5°	1936.9	1939.9	1943.9	1945.9
9°	1933.7	1936.4	1940.2	1943.8
9.5°	1929.9	1932.9	1936.6	1940.3
10°	1925.3	1928.4	1933.3	1936.3
10.5°	1921.4	1925.4	1928.7	1932.8
11°	1916.8	1922.0	1926.0	1928.7
11.5°	1912.2	1917.3	1922.3	1924.5
12°	1907.7	1912.7	1918.4	1920.5
12.5°	1902.2	1907.8	1913.5	1916.8
13°	1896.7	1902.6	1908.8	1912.2
13.5°	1891.5	1897.5	1904.3	1907.1
14°	1885.9	1892.4	1898.7	1902.4
14.5°	1879.9	1887.8	1893.4	1897.6
15°	1873.9	1881.6	1887.9	1892.1
15.5°	1867.4	1875.2	1882.3	1887.1
16°	1860.8	1869.3	1877.3	1880.9
16.5°	1854.1	1862.8	1871.8	1874.2
17°	1847.7	1856.4	1865.0	1868.0
17.5°	1840.8	1850.0	1857.7	1862.7
18°	1833.9	1843.6	1851.3	1857.0
18.5°	1826.9	1836.9	1844.9	1849.8
19°	1819.0	1829.7	1838.2	1842.9
19.5°	1810.4	1822.3	1831.1	1836.0
20°	1802.6	1814.6	1823.5	1829.1
20.5°	1795.1	1806.5	1816.3	1822.1
21°	1787.5	1798.3	1808.3	1815.1



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1760.5	1773.9	1785.1	1791.0
23°	1751.5	1765.3	1776.4	1783.8
23.5°	1742.4	1756.2	1767.6	1774.9
24°	1733.0	1747.5	1759.1	1766.3
24.5°	1723.2	1738.4	1750.5	1758.3
25°	1713.8	1728.7	1741.7	1749.6
25.5°	1703.2	1719.7	1732.0	1740.2
26°	1694.1	1709.9	1722.8	1731.1
26.5°	1683.6	1699.9	1713.2	1721.5
27°	1673.3	1690.1	1703.2	1711.9
27.5°	1662.3	1680.7	1693.4	1702.5
28°	1651.8	1669.6	1683.7	1692.2
28.5°	1640.7	1659.1	1673.4	1682.2
29°	1628.9	1648.3	1663.1	1673.0
29.5°	1618.8	1637.1	1652.3	1662.7
30°	1607.4	1626.8	1641.6	1651.7
30.5°	1595.5	1615.3	1631.0	1641.4
31°	1583.3	1604.5	1620.1	1630.9
31.5°	1572.1	1592.2	1608.8	1619.8
32°	1559.8	1580.8	1597.1	1607.9
32.5°	1547.9	1569.0	1585.8	1596.5
33°	1536.1	1557.7	1574.0	1585.6
33.5°	1524.1	1546.3	1562.2	1573.8
34°	1511.0	1533.9	1550.4	1561.6
34.5°	1498.7	1521.1	1537.9	1549.2
35°	1486.3	1509.1	1526.3	1537.8
35.5°	1473.1	1496.4	1513.9	1525.9
36°	1460.1	1483.9	1501.2	1513.5
36.5°	1447.1	1470.9	1489.7	1500.7
37°	1434.1	1457.8	1477.3	1488.3
37.5°	1421.2	1444.9	1464.8	1476.2
38°	1407.6	1432.0	1451.0	1464.1
38.5°	1392.9	1419.0	1437.3	1450.5
39°	1378.7	1405.3	1423.5	1436.4
39.5°	1365.0	1391.4	1410.0	1422.6
40°	1351.3	1377.9	1397.3	1409.1
40.5°	1337.6	1364.3	1384.1	1396.5
41°	1323.1	1350.2	1370.0	1382.9
41.5°	1309.1	1335.8	1356.5	1368.8
42°	1294.2	1321.8	1342.5	1355.4
42.5°	1279.9	1307.8	1328.1	1341.8
43°	1265.4	1293.2	1313.9	1327.6
43.5°	1250.9	1278.7	1300.0	1312.7



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	1206.5	1235.7	1256.7	1269.6
45.5°	1192.0	1220.8	1241.6	1255.6
46°	1176.9	1206.1	1227.0	1240.4
46.5°	1162.1	1191.3	1212.0	1225.0
47°	1147.6	1176.4	1197.4	1210.0
47.5°	1132.1	1161.6	1182.5	1195.6
48°	1117.3	1145.8	1167.1	1181.1
48.5°	1101.6	1131.2	1152.3	1165.6
49°	1086.6	1116.1	1137.4	1151.1
49.5°	1071.7	1100.5	1121.9	1135.7
50°	1056.0	1085.1	1106.4	1120.4
50.5°	1040.8	1070.2	1091.0	1104.7
51°	1026.2	1054.4	1076.0	1089.6
51.5°	1010.9	1039.5	1060.9	1074.0
52°	995.0	1023.9	1044.8	1058.9
52.5°	979.7	1008.3	1029.7	1043.0
53°	964.2	992.9	1013.8	1027.5
53.5°	949.3	977.3	998.4	1011.9
54°	933.9	961.7	982.7	996.3
54.5°	918.7	946.3	967.1	980.4
55°	903.7	931.0	951.5	964.3
55.5°	887.2	915.7	935.6	949.0
56°	871.9	899.1	919.6	932.8
56.5°	856.9	884.2	904.4	917.2
57°	841.8	868.5	888.5	902.0
57.5°	825.9	853.0	872.9	885.5
58°	810.6	836.6	856.6	869.4
58.5°	795.2	821.2	840.8	853.9
59°	780.5	805.4	825.1	837.7
59.5°	764.7	789.9	809.5	821.9
60°	749.4	774.1	793.6	805.6
60.5°	733.7	758.7	777.6	789.8
61°	719.0	743.2	761.4	773.8
61.5°	703.4	727.4	745.5	757.9
62°	688.2	711.9	729.7	741.8
62.5°	673.0	696.6	713.7	725.9
63°	658.2	680.7	697.9	709.8
63.5°	642.8	665.1	682.1	694.0
64°	627.3	649.6	666.1	677.8
64.5°	612.4	634.0	650.7	661.4
65°	597.8	618.3	634.8	645.1
65.5°	582.4	603.1	618.7	628.7
66°	568.1	588.0	602.9	612.4



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	523.4	541.8	556.0	564.7
68°	508.5	526.0	539.9	549.1
68.5°	493.7	511.0	523.9	533.0
69°	479.5	495.4	508.7	517.0
69.5°	464.9	480.3	492.9	501.3
70°	450.2	465.4	477.5	485.4
70.5°	435.7	450.3	461.8	469.5
71°	421.5	435.2	446.5	454.0
71.5°	407.2	420.2	430.9	438.3
72°	392.9	405.4	415.4	422.9
72.5°	378.7	390.8	399.8	407.4
73°	364.7	375.7	384.8	391.6
73.5°	351.2	361.5	369.8	375.7
74°	337.3	346.6	354.7	360.7
74.5°	323.4	332.1	339.7	345.5
75°	309.8	317.4	324.5	330.4
75.5°	296.5	303.5	309.5	314.9
76°	283.5	289.2	295.5	300.0
76.5°	270.1	275.5	280.5	285.3
77°	257.2	261.4	266.2	270.6
77.5°	244.1	248.0	251.8	255.7
78°	231.6	234.1	237.8	241.6
78.5°	219.2	221.1	223.5	227.1
79°	207.0	208.1	209.9	212.9
79.5°	195.0	195.4	196.8	199.0
80°	183.7	183.2	184.0	185.8
80.5°	172.5	171.2	171.2	172.2
81°	161.3	159.0	158.4	159.0
81.5°	150.1	146.9	145.7	146.1
82°	138.9	134.9	132.9	133.5
82.5°	128.4	123.8	120.9	120.5
83°	117.9	112.9	109.7	109.1
83.5°	108.1	102.1	98.2	97.7
84°	98.6	91.8	87.4	86.8
84.5°	89.7	82.2	77.0	75.9
85°	80.9	72.9	67.4	66.0
85.5°	73.0	64.1	57.9	57.4
86°	65.3	55.9	49.2	48.8
86.5°	58.0	48.3	41.0	40.2
87°	51.2	41.0	33.6	31.7
87.5°	45.1	34.6	28.3	24.3
88°	39.3	28.9	23.0	17.6
88.5°	34.2	25.1	17.7	11.8



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	21.9	13.6	5.0	3.8
90.5°	19.7	10.0	3.4	2.1
91°	17.6	8.2	2.5	0.4
91.5°	15.4	6.9	2.0	0.3
92°	13.3	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°	9.4	4.6	1.3	0.2
94°	8.8	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°	7.5	3.8	1.2	0.5
96°	7.1	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°	6.5	3.5	1.1	0.8
98°	6.5	3.4	1.1	0.9
98.5°	6.4	3.3	1.1	0.9
99°	6.4	3.2	1.1	1.0
99.5°	6.3	3.1	1.2	1.1
100°	6.2	3.0	1.3	1.2
100.5°	6.0	3.0	1.4	1.4
101°	5.8	3.0	1.4	1.5
101.5°	5.6	3.0	1.5	1.6
102°	5.4	2.9	1.6	1.7
102.5°	5.2	2.9	1.7	1.8
103°	5.1	2.8	1.8	1.9
103.5°	4.9	2.6	1.8	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	2.7	2.0
107.5°	4.0	2.0	2.6	2.0
108°	3.8	2.0	2.6	2.1
108.5°	3.6	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	2.0	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: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	2.8	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°	2.4	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	3.1	2.6	2.3
118.5°	2.7	3.3	2.6	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°	2.9	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	2.8	2.6
123°	3.0	3.1	2.9	2.6
123.5°	3.0	3.1	2.9	2.6
124°	3.1	2.9	2.9	2.6
124.5°	3.2	3.0	3.0	2.7
125°	3.3	3.0	3.0	2.7
125.5°	3.5	3.2	3.0	2.7
126°	3.6	3.4	3.0	2.7
126.5°	3.8	3.4	3.1	2.7
127°	3.9	3.5	3.1	2.8
127.5°	4.1	3.5	3.1	2.8
128°	4.2	3.5	3.2	2.8
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°	3.9	3.5	2.9	2.9
131.5°	3.8	3.5	2.9	3.0
132°	3.8	3.5	3.0	3.0
132.5°	3.7	3.5	3.1	3.0
133°	3.6	3.5	3.3	3.0
133.5°	3.6	3.5	3.4	3.0



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	3.6	3.4	3.2	3.1
135.5°	3.6	3.4	3.2	3.1
136°	3.7	3.4	3.2	3.0
136.5°	3.7	3.4	3.3	3.0
137°	3.7	3.4	3.3	3.0
137.5°	3.7	3.4	3.2	3.0
138°	3.8	3.4	3.1	3.1
138.5°	3.8	3.5	3.1	3.1
139°	3.8	3.5	3.1	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	3.6	3.3	3.1
141.5°	3.8	3.6	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	3.1
144°	3.8	3.7	3.3	3.1
144.5°	3.8	3.7	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°	3.8	3.8	3.2	3.1
147°	3.9	3.8	3.2	3.1
147.5°	3.9	3.8	3.2	3.1
148°	3.9	3.9	3.3	3.1
148.5°	3.9	3.9	3.3	3.1
149°	3.9	3.9	3.3	3.0
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	3.0
151°	4.0	3.9	3.1	2.9
151.5°	4.0	3.9	3.1	2.8
152°	4.0	3.9	3.2	2.7
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	2.3
154.5°	4.1	3.6	2.7	2.3
155°	4.1	3.6	2.7	2.3
155.5°	4.1	3.4	2.6	2.3
156°	4.1	3.3	2.4	2.2



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	4.2	3.2	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	3.1	2.2	2.1
160°	4.2	3.1	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	2.1	2.1
163°	4.2	2.9	2.1	2.1
163.5°	4.3	2.7	2.1	2.1
164°	4.3	2.7	2.1	2.1
164.5°	3.8	2.7	2.1	2.2
165°	3.6	2.6	2.1	2.2
165.5°	4.0	2.5	2.1	2.2
166°	4.0	2.3	2.1	2.2
166.5°	3.5	2.3	2.1	2.2
167°	3.2	2.3	2.2	2.2
167.5°	3.8	2.6	2.2	2.2
168°	4.0	2.9	2.2	2.2
168.5°	3.7	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	2.7
171°	3.9	3.5	3.0	3.1
171.5°	3.9	3.6	3.2	3.1
172°	3.9	3.6	3.4	3.2
172.5°	3.9	3.6	3.5	3.3
173°	3.8	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°	3.7	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	3.7



TEST NUMBER: P563551

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-5000K

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°	1807.6	1811.9	1811.4	1808.1	1801.6	1793.7	1785.4	1778.4	1772.5	1769.5	1768.4
22°	1799.0	1803.7	1803.6	1799.8	1793.3	1785.1	1775.9	1768.7	1763.4	1759.4	1758.6



44°	1298.5	1303.3	1297.2	1283.4	1261.2	1233.9	1206.1	1182.2	1164.7	1156.0	1157.2
44.5°	1284.1	1288.2	1283.1	1268.6	1246.3	1218.4	1191.1	1166.9	1149.3	1140.9	1140.8



66.5°	596.4	601.9	600.5	592.1	578.6	559.8	542.5	527.3	516.2	509.8	508.1
67°	580.4	585.5	585.0	577.3	563.8	546.1	529.7	514.6	503.5	497.5	496.3



89°	7.3	14.3	27.4	42.3	56.3	66.0	73.8	78.4	80.1	79.4	76.5
89.5°	5.5	10.1	22.5	36.9	50.7	61.1	68.9	72.8	74.7	74.1	71.2



111.5°	2.1	2.1	1.8	1.6	2.1	3.3	4.7	6.1	7.1	7.4	7.1
112°	2.2	2.1	1.8	1.6	2.1	3.1	4.5	5.9	6.8	7.1	6.8



134°	3.0	3.1	3.1	3.7	3.8	3.3	3.3	3.4	3.4	3.5	3.7
134.5°	3.1	3.1	3.1	3.7	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	4.5	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	4.6



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	3.2	3.2	3.2	3.2	3.3	3.3	3.4	3.5	3.4





21.5°	1770.1	1774.7	1778.9	1784.1	1789.0	1791.2	1791.3	1789.0	1783.6	1775.2	1764.6
22°	1760.3	1764.5	1769.9	1775.7	1781.1	1782.9	1783.2	1781.0	1774.9	1766.3	1755.4



44°	1165.6	1183.0	1205.4	1226.4	1245.2	1258.7	1264.0	1261.8	1252.6	1235.8	1211.1
44.5°	1150.6	1168.3	1190.2	1210.8	1230.3	1243.8	1248.4	1247.5	1238.4	1220.8	1195.8



66.5°	511.7	519.6	530.2	541.1	550.5	556.9	555.5	554.4	547.6	537.8	523.7
67°	499.6	506.6	516.7	526.7	535.2	540.4	540.0	538.5	532.0	522.5	509.0



89°	71.4	64.1	55.0	42.0	28.2	15.1	6.1	1.0	5.0	14.0	22.9
89.5°	66.6	59.6	49.8	37.4	24.2	12.1	4.7	0.9	3.7	10.5	20.8



111.5°	6.2	4.9	3.6	2.7	2.7	3.3	4.0	3.7	4.2	3.2	3.7
112°	6.0	4.7	3.5	2.7	2.8	3.4	4.1	3.7	4.3	3.2	3.6



134°	4.0	4.5	5.2	6.3	6.5	5.1	4.5	4.2	5.2	5.5	5.0
134.5°	4.0	4.5	5.3	6.5	6.4	5.1	4.5	4.2	5.2	5.5	5.0



156.5°	4.6	4.4	4.3	4.4	4.4	4.2	4.0	3.5	3.7	4.1	4.6
157°	4.5	4.3	4.3	4.4	4.3	4.1	3.8	3.5	3.6	4.1	4.6



179°	3.4	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	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2





21.5°	1753.1	1740.7	1730.6	1722.1	1718.0	1717.0	1719.4	1727.0	1737.7	1751.4	1765.3
22°	1743.8	1730.4	1719.6	1712.2	1707.7	1705.7	1709.1	1715.8	1727.2	1741.1	1755.8



44°	1183.5	1153.0	1126.0	1104.5	1091.3	1087.9	1094.7	1111.8	1137.8	1169.3	1204.4
44.5°	1168.8	1137.3	1110.6	1089.3	1075.6	1072.0	1079.2	1096.7	1122.7	1154.5	1188.7



66.5°	508.0	491.8	477.8	467.3	461.3	460.7	465.3	475.5	490.5	509.8	531.1
67°	493.7	478.2	465.2	455.3	449.6	449.1	453.0	463.4	477.7	496.1	517.0



89°	33.4	42.9	50.4	55.8	59.3	60.8	60.6	58.4	54.3	47.9	39.5
89.5°	29.8	39.0	46.3	51.8	55.3	56.7	56.3	54.1	49.9	43.5	35.1



111.5°	5.8	8.3	10.2	11.4	12.2	12.6	12.3	11.1	9.4	7.4	5.1
112°	5.6	8.0	10.0	11.2	11.9	12.3	12.0	10.9	9.1	7.3	4.9



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



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



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





21.5°	1778.6	1790.9	1800.4	1807.6
22°	1769.2	1783.1	1793.3	1799.0



44°	1236.4	1264.8	1285.0	1298.5
44.5°	1222.4	1249.8	1271.0	1284.1



66.5°	552.8	572.5	587.2	596.4
67°	537.9	557.1	571.9	580.4



89°	29.6	21.3	12.5	7.3
89.5°	25.4	17.5	7.4	5.5



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



134°	3.6	3.4	3.3	3.0
134.5°	3.6	3.4	3.2	3.1



156.5°	4.1	3.3	2.3	2.1
157°	4.2	3.3	2.3	2.0



179°	3.7	3.7	3.7	3.7
179.5°	3.5	3.5	3.4	3.4



(END OF REPORT)