

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: P563549

Luminaire Tested: **4NWS3C3MS-NUV-HI-3500K**

Issue Date: 7/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563549  
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-3500K  
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND HI LUMEN SETTING  
Light Source: -  
Ballast/Driver:

**Summary**

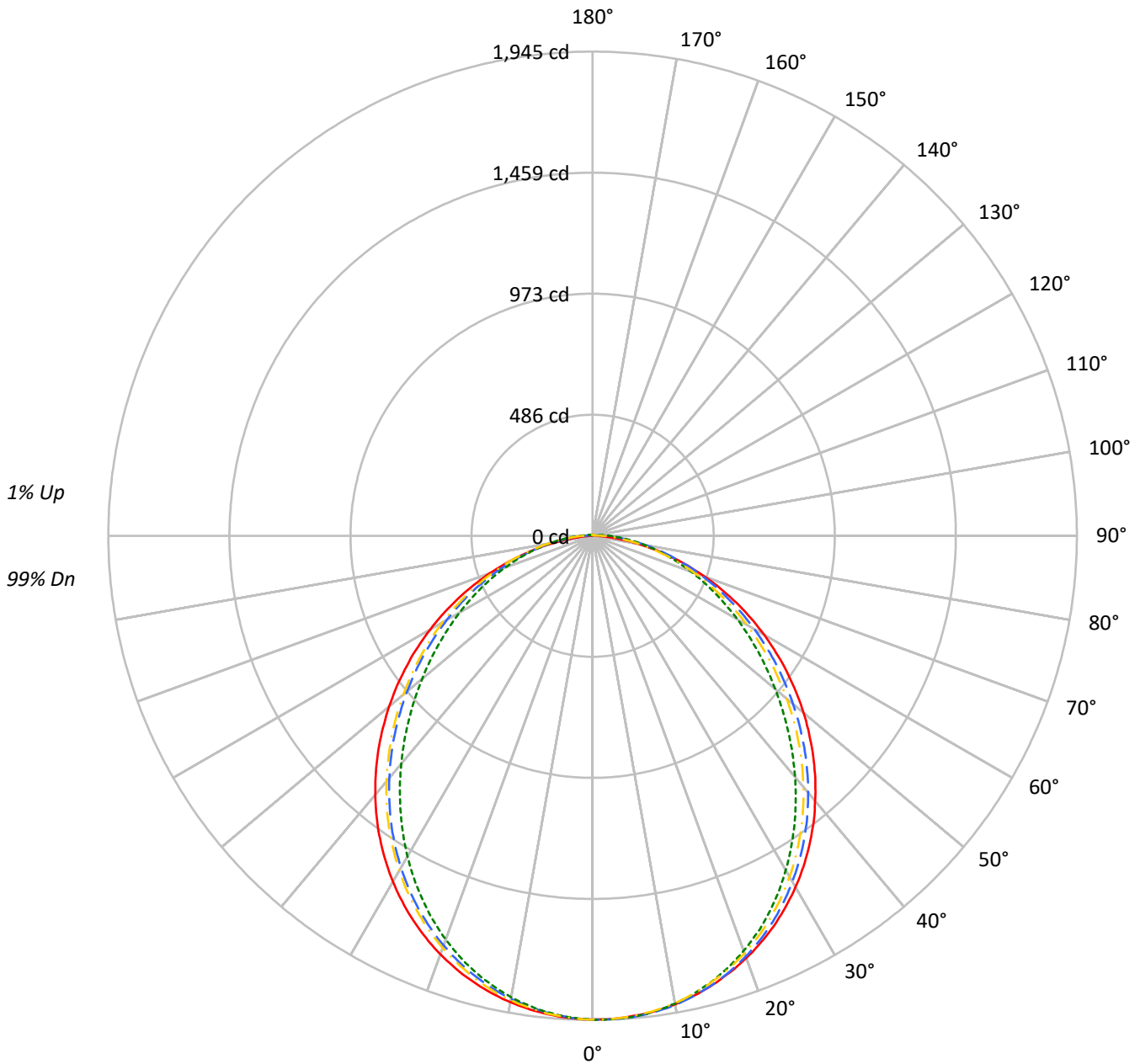
Lumens per Lamp: N/A  
Luminaire Lumens: 5068.0 lumens  
Efficiency: N/A  
Efficacy: 123.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.17 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 40.9  
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

TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**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°	11815	11815	11815	11815
5°	11787	11638	11766	11551
10°	11750	11405	11700	11248
15°	11684	11105	11604	10876
20°	11588	10740	11485	10450
25°	11468	10318	11325	9956
30°	11304	9824	11125	9417
35°	11098	9271	10884	8823
40°	10845	8670	10591	8197
45°	10550	8039	10247	7550
50°	10203	7397	9844	6908
55°	9793	6783	9377	6279
60°	9328	6170	8839	5662
65°	8766	5546	8189	5036
70°	8052	4922	7361	4388
75°	7106	4271	6241	3695
80°	5744	3573	4673	2966
85°	3675	2854	2362	2268



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.5	3.6
10°-20°	520.7	10.3
20°-30°	773.3	15.3
30°-40°	901.4	17.8
40°-50°	892.4	17.6
50°-60°	766.4	15.1
60°-70°	560.9	11.1
70°-80°	318.4	6.3
80°-90°	106.1	2.1
90°-100°	19.2	0.4
100°-110°	8.1	0.2
110°-120°	4.8	0.1
120°-130°	3.4	0.1
130°-140°	3.1	0.1
140°-150°	2.8	0.1
150°-160°	2.0	0.0
160°-170°	1.1	0.0
170°-180°	0.4	0.0
0°-30°	1477.5	29.2
0°-40°	2378.9	46.9
0°-60°	4037.7	79.7
0°-90°	5023.1	99.1
90°-120°	32.2	0.6
90°-150°	41.5	0.8
90°-180°	45.0	0.9
0°-180°	5068.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1944	1944	1944	1944	1944	
5°	1935	1939	1932	1924	1935	184
15°	1867	1853	1854	1815	1867	527
25°	1726	1673	1705	1614	1726	795
35°	1517	1413	1488	1345	1517	949
45°	1253	1110	1217	1043	1253	966
55°	952	811	911	751	952	851
65°	637	541	595	491	637	630
75°	326	309	286	267	326	345
85°	65	129	42	102	65	78
90°	4	68	1	52	4	3
95°	0	33	1	27	0	0
105°	2	12	3	16	2	2
115°	2	5	4	10	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	4	2	1
165°	2	4	3	5	2	1
175°	4	4	4	4	4	0
180°	3	3	3	3	3	



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8
0.5°	1943.3	1943.4	1943.6	1943.7	1943.9	1944.1	1944.2	1944.3	1944.3	1944.3	1944.3
1°	1943.1	1943.3	1943.7	1944.1	1944.3	1944.4	1944.5	1944.5	1943.8	1943.2	1943.6
1.5°	1943.2	1943.9	1944.0	1943.4	1943.1	1943.3	1944.0	1944.5	1943.8	1944.7	1944.9
2°	1942.8	1943.4	1943.4	1943.4	1943.8	1944.4	1944.8	1944.8	1943.7	1943.8	1944.2
2.5°	1942.1	1942.6	1942.7	1942.8	1942.9	1942.3	1942.5	1942.3	1944.3	1943.1	1942.3
3°	1940.7	1941.1	1942.0	1942.4	1942.9	1943.0	1943.4	1943.7	1943.1	1942.9	1942.9
3.5°	1939.4	1940.4	1941.2	1942.7	1942.1	1942.5	1942.6	1942.0	1942.6	1941.3	1940.8
4°	1938.6	1940.3	1939.8	1941.6	1941.1	1941.4	1941.3	1941.0	1940.0	1942.1	1940.3
4.5°	1936.5	1938.1	1938.6	1939.8	1940.8	1940.6	1939.8	1940.7	1940.0	1940.1	1938.3
5°	1935.3	1936.8	1937.4	1938.1	1939.2	1939.2	1937.4	1938.1	1938.6	1938.6	1936.9
5.5°	1934.0	1935.5	1936.2	1936.5	1937.2	1936.6	1936.0	1936.0	1936.8	1936.4	1934.5
6°	1932.5	1933.8	1934.1	1935.1	1936.0	1935.1	1934.7	1934.1	1934.3	1933.7	1931.8
6.5°	1930.4	1932.0	1932.3	1932.9	1934.0	1933.2	1933.4	1932.0	1932.1	1931.9	1929.8
7°	1928.5	1929.4	1931.0	1930.5	1930.6	1929.5	1931.2	1929.4	1929.1	1929.0	1927.5
7.5°	1925.8	1926.8	1928.2	1929.2	1929.0	1928.1	1927.6	1926.9	1926.1	1924.6	1924.7
8°	1923.8	1923.8	1926.0	1926.3	1926.1	1925.4	1924.7	1924.2	1923.4	1922.4	1921.9
8.5°	1920.2	1920.6	1923.4	1923.0	1923.4	1922.9	1921.7	1921.0	1919.7	1919.0	1917.6
9°	1918.1	1919.8	1920.0	1920.7	1920.8	1920.0	1918.0	1917.6	1916.2	1916.7	1913.9
9.5°	1914.6	1916.2	1917.6	1917.2	1917.6	1915.9	1913.7	1913.7	1912.7	1910.8	1910.1
10°	1910.7	1912.9	1914.0	1914.1	1913.8	1912.5	1910.3	1909.0	1908.4	1908.8	1906.9
10.5°	1907.2	1909.0	1910.8	1910.9	1910.1	1908.6	1906.1	1904.8	1904.0	1903.7	1902.2
11°	1903.2	1904.5	1906.7	1906.8	1906.1	1905.2	1901.3	1900.8	1900.5	1899.1	1897.6
11.5°	1899.0	1901.6	1902.6	1903.1	1901.5	1900.8	1897.1	1896.7	1895.4	1894.5	1892.8
12°	1895.1	1897.4	1899.2	1899.3	1897.5	1896.0	1893.3	1891.7	1889.0	1889.5	1886.8
12.5°	1891.4	1893.2	1894.9	1895.0	1892.5	1891.5	1888.5	1886.6	1884.3	1883.8	1882.3
13°	1886.9	1889.4	1890.7	1890.0	1887.2	1886.8	1883.1	1881.5	1879.4	1877.4	1876.7
13.5°	1881.9	1884.9	1886.2	1885.7	1882.7	1881.7	1876.8	1875.4	1873.5	1871.4	1869.7
14°	1877.2	1880.0	1881.2	1881.3	1877.6	1875.4	1872.0	1869.6	1867.5	1865.0	1864.2
14.5°	1872.5	1875.1	1876.2	1876.2	1871.8	1870.3	1866.9	1863.4	1860.3	1859.6	1857.2
15°	1867.0	1870.2	1870.9	1870.4	1867.1	1864.8	1860.4	1857.3	1854.4	1853.4	1851.8
15.5°	1862.1	1865.1	1865.1	1864.3	1861.9	1859.1	1853.4	1851.4	1847.7	1846.8	1844.4
16°	1856.0	1859.7	1860.2	1858.9	1855.5	1852.4	1847.4	1844.4	1841.4	1839.1	1837.0
16.5°	1849.4	1854.0	1854.9	1853.5	1849.3	1845.9	1840.5	1837.0	1834.0	1831.1	1830.4
17°	1843.2	1848.3	1848.4	1847.6	1843.7	1839.4	1833.9	1829.5	1826.2	1824.6	1823.7
17.5°	1838.1	1841.9	1842.4	1841.0	1837.2	1832.3	1825.7	1822.3	1818.1	1817.2	1815.1
18°	1832.4	1835.4	1836.3	1834.5	1830.0	1825.4	1819.0	1814.6	1810.5	1808.3	1807.4
18.5°	1825.3	1829.9	1830.4	1828.3	1823.4	1818.4	1811.3	1806.4	1803.1	1800.2	1799.1
19°	1818.5	1823.6	1824.0	1821.1	1816.6	1810.7	1804.2	1798.4	1794.3	1791.7	1791.2
19.5°	1811.7	1816.2	1816.5	1814.1	1808.9	1802.6	1795.6	1790.4	1785.3	1784.1	1781.1
20°	1804.9	1809.1	1809.0	1806.8	1801.5	1794.7	1786.9	1781.5	1777.0	1773.7	1772.9
20.5°	1798.0	1802.3	1802.2	1799.5	1794.0	1787.1	1778.5	1772.4	1768.3	1765.0	1763.5
21°	1791.1	1795.3	1794.9	1791.8	1785.5	1778.6	1770.5	1763.5	1759.3	1755.2	1754.5



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1767.3	1771.7	1772.1	1767.8	1761.2	1752.8	1743.3	1735.6	1730.0	1726.8	1724.7
23°	1760.2	1764.0	1763.6	1759.5	1752.7	1744.1	1734.1	1725.9	1719.7	1717.5	1715.1
23.5°	1751.4	1756.0	1755.5	1751.1	1744.0	1734.5	1724.7	1715.5	1709.3	1706.2	1704.5
24°	1743.0	1747.8	1747.5	1742.2	1734.7	1725.3	1714.0	1705.2	1698.8	1695.6	1694.2
24.5°	1735.0	1739.2	1738.5	1733.7	1725.1	1715.4	1705.3	1695.5	1688.1	1684.6	1682.8
25°	1726.4	1730.9	1729.6	1724.7	1716.2	1705.5	1694.9	1684.9	1677.2	1672.9	1672.1
25.5°	1717.1	1721.7	1720.8	1715.3	1707.5	1695.6	1684.1	1673.9	1666.5	1662.2	1660.5
26°	1708.1	1712.0	1711.6	1705.3	1697.7	1685.1	1673.1	1662.3	1654.4	1649.7	1649.5
26.5°	1698.7	1703.2	1701.2	1696.5	1686.7	1674.7	1661.9	1651.3	1643.2	1638.9	1637.2
27°	1689.3	1694.5	1692.0	1686.1	1676.5	1664.3	1651.1	1640.0	1631.6	1626.2	1626.2
27.5°	1680.0	1684.8	1683.0	1675.8	1666.3	1653.1	1641.1	1628.2	1618.7	1615.1	1613.9
28°	1669.8	1675.1	1673.4	1666.2	1655.9	1642.3	1628.2	1616.9	1607.2	1602.5	1601.0
28.5°	1660.0	1665.1	1663.4	1656.3	1645.8	1631.6	1616.9	1605.0	1594.2	1588.9	1588.3
29°	1650.8	1655.3	1653.3	1645.7	1634.3	1620.1	1605.6	1592.5	1583.2	1577.6	1576.2
29.5°	1640.7	1645.4	1642.7	1635.6	1623.4	1608.7	1594.2	1580.2	1569.1	1564.5	1564.5
30°	1629.9	1634.1	1632.3	1624.0	1612.3	1596.9	1581.4	1567.7	1556.9	1551.2	1551.6
30.5°	1619.7	1623.8	1621.6	1613.9	1601.0	1584.7	1569.2	1555.1	1542.6	1538.4	1537.5
31°	1609.3	1613.8	1610.6	1603.0	1590.1	1573.3	1556.3	1542.0	1530.9	1525.4	1523.9
31.5°	1598.4	1603.2	1599.9	1591.2	1578.5	1561.6	1543.8	1528.6	1517.5	1511.5	1510.2
32°	1586.6	1591.3	1588.5	1579.3	1566.2	1548.7	1531.3	1516.0	1504.0	1497.6	1497.1
32.5°	1575.4	1580.0	1577.2	1567.4	1554.0	1536.2	1518.6	1502.9	1491.4	1483.8	1483.6
33°	1564.6	1569.1	1565.6	1556.7	1542.0	1524.1	1505.9	1489.2	1477.4	1470.4	1470.1
33.5°	1552.9	1557.4	1554.2	1545.1	1530.2	1511.5	1492.8	1476.1	1463.0	1456.1	1455.7
34°	1540.9	1546.2	1542.5	1532.5	1518.0	1498.2	1478.8	1462.0	1449.1	1441.8	1441.7
34.5°	1528.7	1534.2	1530.6	1520.5	1505.6	1485.3	1465.3	1447.3	1434.6	1428.0	1427.1
35°	1517.4	1522.4	1519.0	1508.5	1492.5	1472.2	1452.1	1433.5	1419.8	1413.4	1413.2
35.5°	1505.7	1510.2	1507.3	1496.3	1479.5	1458.7	1438.2	1419.6	1405.5	1399.1	1398.7
36°	1493.4	1498.7	1494.1	1483.9	1466.9	1445.4	1424.5	1405.5	1390.8	1384.7	1384.0
36.5°	1480.8	1485.7	1481.9	1470.5	1454.4	1432.3	1410.7	1390.9	1376.5	1369.2	1369.9
37°	1468.6	1472.9	1469.3	1458.1	1440.9	1419.0	1396.9	1377.0	1361.1	1354.6	1355.0
37.5°	1456.7	1460.3	1456.5	1445.4	1427.5	1405.2	1382.4	1362.3	1346.9	1339.7	1340.0
38°	1444.8	1447.6	1444.3	1431.8	1414.2	1391.1	1368.0	1347.7	1332.5	1324.5	1324.3
38.5°	1431.3	1434.9	1430.3	1418.7	1400.4	1377.2	1353.7	1332.7	1317.7	1310.4	1309.8
39°	1417.4	1422.0	1417.5	1405.4	1386.8	1363.4	1339.5	1318.0	1303.0	1294.8	1294.2
39.5°	1403.7	1409.4	1404.4	1392.1	1372.7	1348.7	1325.2	1303.2	1287.2	1280.1	1280.0
40°	1390.5	1395.8	1391.4	1377.9	1359.0	1334.1	1309.8	1288.5	1272.1	1264.6	1264.7
40.5°	1378.0	1382.2	1378.1	1364.8	1344.9	1320.1	1295.1	1273.2	1256.6	1249.3	1248.7
41°	1364.6	1368.6	1364.4	1350.8	1330.9	1305.3	1280.5	1258.4	1241.6	1234.2	1233.2
41.5°	1350.7	1354.8	1350.2	1337.3	1316.7	1291.1	1265.3	1242.8	1225.4	1218.3	1218.2
42°	1337.4	1341.9	1336.8	1322.7	1302.8	1276.9	1251.2	1228.0	1211.0	1203.8	1202.6
42.5°	1324.0	1328.1	1322.8	1309.4	1287.6	1261.9	1236.2	1213.0	1195.7	1187.9	1187.3
43°	1310.0	1314.0	1308.9	1294.3	1273.3	1247.0	1221.0	1197.5	1180.3	1172.8	1172.1
43.5°	1295.4	1300.2	1294.6	1280.8	1259.5	1232.4	1205.7	1182.2	1164.7	1156.9	1156.9



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	1252.8	1257.2	1251.7	1236.9	1215.6	1187.5	1160.4	1136.3	1118.5	1110.5	1110.3
45.5°	1239.0	1242.9	1237.1	1222.1	1200.1	1172.5	1145.3	1120.9	1103.6	1094.8	1094.9
46°	1224.0	1228.5	1222.9	1207.6	1185.2	1157.3	1129.6	1105.7	1088.7	1078.8	1079.8
46.5°	1208.8	1213.4	1207.9	1192.8	1170.3	1142.1	1114.1	1090.3	1072.4	1064.4	1064.6
47°	1194.0	1199.1	1194.0	1178.1	1155.6	1126.9	1099.0	1074.8	1056.8	1049.0	1048.7
47.5°	1179.8	1184.1	1179.0	1164.0	1141.0	1111.9	1084.3	1058.9	1041.6	1033.7	1033.2
48°	1165.5	1169.6	1163.9	1149.2	1126.3	1096.7	1068.9	1044.0	1026.8	1017.8	1018.6
48.5°	1150.2	1154.1	1148.6	1133.9	1110.9	1081.6	1054.1	1028.9	1010.9	1003.1	1003.3
49°	1135.9	1140.4	1133.6	1118.1	1095.7	1066.6	1038.5	1013.8	996.1	987.6	987.5
49.5°	1120.7	1124.8	1119.7	1103.7	1080.2	1051.2	1023.6	998.5	980.6	972.4	972.9
50°	1105.6	1110.2	1104.1	1088.9	1064.9	1035.9	1008.6	983.3	966.3	957.0	957.5
50.5°	1090.1	1094.8	1089.0	1074.1	1050.2	1020.9	993.2	968.0	950.3	942.3	942.0
51°	1075.2	1079.7	1073.5	1057.9	1035.2	1005.7	978.1	953.5	936.3	927.1	926.6
51.5°	1059.8	1064.5	1058.4	1043.3	1020.0	990.6	962.5	938.3	920.6	913.3	912.5
52°	1044.9	1049.5	1043.7	1027.9	1004.5	975.8	948.0	923.8	906.2	897.4	897.7
52.5°	1029.2	1033.7	1027.5	1012.5	989.2	960.1	932.8	908.8	891.8	883.3	883.1
53°	1013.9	1018.6	1012.7	997.1	973.8	945.0	917.7	894.0	877.2	868.1	867.8
53.5°	998.5	1002.8	997.0	981.9	958.5	930.0	902.9	879.3	861.4	854.2	853.2
54°	983.1	987.2	981.8	966.9	943.5	914.8	888.1	864.4	847.5	839.0	839.3
54.5°	967.4	972.1	966.0	951.3	928.8	899.6	872.7	849.6	832.6	824.6	824.6
55°	951.5	956.7	951.1	936.0	912.9	884.3	857.9	834.9	818.6	811.4	809.7
55.5°	936.5	941.0	935.2	921.0	898.3	869.8	843.2	820.0	803.8	796.4	795.2
56°	920.5	925.1	920.1	905.4	883.1	855.4	829.1	805.5	789.8	781.9	781.4
56.5°	905.1	909.9	904.5	890.1	868.1	840.2	814.0	791.5	775.8	767.9	767.4
57°	890.0	894.0	888.7	874.5	852.3	825.2	799.3	777.2	761.1	754.1	753.2
57.5°	873.8	879.0	872.6	859.5	837.8	810.8	784.9	762.7	747.5	739.9	739.1
58°	857.9	862.7	858.1	843.4	821.7	796.0	770.7	748.9	733.5	725.5	725.7
58.5°	842.6	847.2	841.9	828.6	807.1	780.8	755.9	734.5	719.7	712.1	711.6
59°	826.6	832.0	826.5	813.3	792.2	766.2	741.6	720.3	706.3	699.1	697.9
59.5°	811.0	815.6	810.9	798.0	777.2	751.6	727.5	707.1	692.7	686.0	683.6
60°	794.9	800.0	795.7	782.4	761.9	737.0	713.1	693.5	679.2	672.3	670.1
60.5°	779.3	783.8	779.8	767.3	747.8	722.6	699.7	680.1	665.6	658.5	656.7
61°	763.5	767.9	764.1	752.2	733.0	708.5	682.0	666.2	651.9	644.8	643.2
61.5°	747.9	753.0	748.2	736.0	717.5	693.8	667.7	652.2	638.2	631.0	629.8
62°	732.0	737.3	733.4	721.3	702.1	678.9	654.7	638.4	624.5	617.3	616.3
62.5°	716.2	721.0	717.9	706.5	687.8	664.7	641.7	624.6	610.8	603.9	602.9
63°	700.4	705.5	702.1	691.2	672.9	650.4	628.6	610.8	597.9	591.2	590.1
63.5°	684.8	689.4	686.5	675.3	658.1	636.2	615.7	597.6	585.0	578.4	577.5
64°	668.8	673.5	670.3	661.8	643.1	622.0	601.7	584.8	572.3	565.8	564.5
64.5°	652.6	657.5	654.8	656.8	628.7	607.8	588.5	571.6	559.4	552.9	551.5
65°	636.6	641.5	639.2	638.5	615.0	593.5	575.2	558.6	546.7	540.6	539.0
65.5°	620.4	625.5	623.7	620.4	600.2	579.5	561.5	545.7	534.2	527.8	526.3
66°	604.3	609.6	608.1	602.2	585.4	565.9	548.3	532.8	521.8	515.4	514.2





TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	557.2	562.3	561.7	554.6	542.0	525.3	509.2	495.6	484.9	478.8	477.3
68°	541.8	546.8	546.2	539.9	527.8	511.7	496.2	483.0	473.1	467.1	465.4
68.5°	526.0	531.2	531.3	524.6	513.5	498.1	483.6	470.6	461.1	455.5	452.8
69°	510.2	515.7	516.0	510.7	499.5	484.6	470.9	458.5	448.6	443.5	441.5
69.5°	494.7	500.6	500.7	496.0	485.9	471.4	458.3	446.1	436.8	431.4	429.6
70°	478.9	484.9	485.7	481.6	472.0	458.5	445.8	433.9	425.2	419.6	417.8
70.5°	463.3	469.3	470.6	466.7	458.6	445.7	433.5	422.2	413.8	408.4	406.1
71°	448.0	453.5	455.7	452.6	444.5	432.6	421.0	410.4	402.4	397.1	394.9
71.5°	432.5	438.5	440.3	437.9	430.9	419.6	408.9	398.8	390.5	385.6	383.7
72°	417.3	423.2	425.7	423.5	417.3	406.8	396.5	387.0	379.2	374.1	372.1
72.5°	402.0	407.8	411.0	409.4	403.5	393.8	384.6	375.2	367.9	363.5	360.9
73°	386.4	392.7	396.6	395.7	390.5	381.2	372.4	363.8	356.8	352.2	349.6
73.5°	370.8	377.7	381.5	381.5	377.1	369.4	360.6	352.4	345.7	341.2	338.7
74°	356.0	362.2	367.0	367.8	364.0	356.8	349.0	341.1	335.0	330.3	327.8
74.5°	340.9	347.7	352.5	353.6	351.0	344.1	337.4	330.1	324.1	319.8	317.6
75°	326.0	332.8	338.1	339.9	338.0	332.0	325.8	319.2	313.4	309.1	306.6
75.5°	310.8	318.3	323.7	326.2	325.2	320.0	314.4	308.1	302.6	298.8	296.1
76°	296.0	303.3	309.6	313.0	312.0	307.8	303.2	297.4	292.3	288.4	285.5
76.5°	281.5	289.1	295.5	299.4	299.6	296.2	291.7	286.6	281.9	278.3	275.3
77°	267.0	274.3	281.6	286.1	287.3	284.6	280.8	275.9	271.6	267.8	265.0
77.5°	252.3	260.2	267.9	272.9	274.9	273.1	269.8	265.6	261.3	258.0	255.0
78°	238.4	246.1	254.0	260.3	262.7	261.8	259.1	255.3	251.7	248.3	245.3
78.5°	224.1	232.4	240.5	247.4	250.6	250.4	248.3	245.2	242.0	238.5	235.6
79°	210.1	218.6	227.4	234.8	238.7	239.1	238.0	235.1	232.1	228.9	225.9
79.5°	196.3	204.6	214.2	222.2	227.0	228.2	227.8	225.3	222.6	219.7	216.6
80°	183.4	191.3	201.1	210.1	215.6	217.4	217.4	215.6	213.3	210.6	207.4
80.5°	169.9	178.3	188.6	198.0	204.2	206.9	207.4	206.1	204.2	201.2	198.3
81°	156.9	165.5	176.2	186.1	193.1	196.5	197.8	196.8	195.2	192.4	189.5
81.5°	144.2	152.8	164.1	174.4	182.2	186.2	188.2	187.9	186.5	184.0	180.8
82°	131.7	140.3	151.9	163.1	171.4	176.3	178.8	179.0	177.8	175.4	172.3
82.5°	118.9	128.3	140.5	152.0	160.9	166.7	169.6	170.2	169.3	166.9	163.8
83°	107.7	116.7	128.9	141.2	150.8	157.2	160.7	161.6	161.0	159.1	155.8
83.5°	96.4	105.4	117.9	130.8	141.0	147.8	152.0	153.4	153.2	151.1	147.9
84°	85.6	94.6	107.2	120.5	131.4	138.9	143.6	145.4	145.2	143.4	140.3
84.5°	74.9	84.0	97.1	110.6	122.0	130.2	135.1	137.5	137.6	135.9	132.8
85°	65.2	73.9	87.1	101.1	113.2	121.7	127.1	129.8	130.2	128.6	125.5
85.5°	56.6	64.9	77.9	92.2	104.5	113.6	119.4	122.4	122.9	121.4	118.5
86°	48.2	56.6	68.8	83.6	96.4	105.8	112.0	115.2	115.9	114.5	111.5
86.5°	39.7	48.4	61.5	75.3	88.4	98.3	104.7	108.3	109.2	108.0	105.0
87°	31.3	40.2	54.3	66.9	80.9	91.0	97.8	101.7	102.7	101.8	98.7
87.5°	24.0	31.9	47.1	60.6	73.6	84.1	91.1	95.2	96.4	95.5	92.6
88°	17.4	25.2	39.8	54.3	66.6	77.5	84.8	88.9	90.5	89.5	86.6
88.5°	11.7	19.3	32.6	48.0	61.1	71.0	78.6	83.0	84.6	83.8	81.0



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	3.7	6.8	18.0	31.5	44.6	55.4	63.3	67.0	68.8	68.1	66.1
90.5°	2.0	5.5	14.5	27.2	39.8	50.5	58.6	62.8	64.7	64.0	61.9
91°	0.4	4.3	11.7	23.3	35.4	45.7	53.9	58.5	60.5	60.0	57.7
91.5°	0.3	3.1	9.5	20.2	31.5	41.4	49.2	54.3	56.3	55.9	53.5
92°	0.3	1.9	7.7	17.3	28.0	37.6	44.9	49.9	52.1	51.9	49.3
92.5°	0.2	1.5	6.8	14.9	24.9	34.1	41.2	45.9	48.0	47.8	45.6
93°	0.2	1.2	6.0	12.9	22.1	30.9	37.8	42.4	44.6	44.4	42.2
93.5°	0.2	1.0	5.2	11.3	19.7	28.0	34.7	39.1	41.2	41.1	39.2
94°	0.3	0.8	4.4	10.0	17.6	25.4	31.8	36.1	38.2	38.2	36.3
94.5°	0.3	0.7	4.0	9.0	15.8	23.0	29.1	33.3	35.4	35.4	33.6
95°	0.4	0.6	3.6	8.2	14.3	20.9	26.7	30.8	32.8	32.8	31.1
95.5°	0.5	0.6	3.2	7.6	13.1	19.1	24.5	28.4	30.4	30.5	28.9
96°	0.6	0.7	2.9	7.1	12.0	17.6	22.6	26.3	28.2	28.3	26.8
96.5°	0.6	0.7	2.6	6.7	11.2	16.2	20.9	24.4	26.2	26.4	25.0
97°	0.7	0.8	2.4	6.2	10.6	15.1	19.4	22.7	24.5	24.7	23.4
97.5°	0.8	0.8	2.2	5.7	10.0	14.1	18.1	21.2	22.9	23.1	22.0
98°	0.8	0.9	2.0	5.3	9.5	13.4	17.0	19.9	21.5	21.7	20.7
98.5°	0.9	0.9	1.8	5.0	8.9	12.8	16.1	18.8	20.2	20.5	19.6
99°	1.0	1.0	1.6	4.6	8.4	12.2	15.3	17.8	19.2	19.4	18.6
99.5°	1.1	1.0	1.5	4.3	8.0	11.7	14.7	16.9	18.3	18.5	17.7
100°	1.2	1.1	1.5	4.0	7.6	11.1	14.1	16.3	17.5	17.8	17.0
100.5°	1.4	1.2	1.4	3.8	7.2	10.5	13.5	15.6	16.8	17.1	16.4
101°	1.5	1.3	1.4	3.5	6.8	10.0	12.9	15.0	16.2	16.5	15.8
101.5°	1.6	1.4	1.4	3.2	6.4	9.6	12.4	14.5	15.7	15.9	15.3
102°	1.7	1.5	1.4	3.0	6.0	9.1	11.8	13.9	15.1	15.4	14.7
102.5°	1.8	1.5	1.4	2.8	5.7	8.7	11.3	13.3	14.5	14.8	14.2
103°	1.9	1.6	1.4	2.6	5.3	8.3	10.8	12.8	13.9	14.2	13.7
103.5°	2.0	1.6	1.4	2.4	5.0	7.8	10.3	12.3	13.4	13.7	13.2
104°	2.0	1.7	1.3	2.3	4.6	7.4	9.9	11.8	12.9	13.2	12.7
104.5°	2.0	1.8	1.3	2.1	4.3	7.1	9.5	11.3	12.4	12.7	12.2
105°	2.1	2.0	1.3	2.0	4.1	6.7	9.0	10.8	12.0	12.2	11.7
105.5°	2.0	2.2	1.3	1.9	3.8	6.3	8.6	10.4	11.5	11.8	11.3
106°	2.0	2.2	1.3	1.8	3.6	6.0	8.2	9.9	11.1	11.4	10.9
106.5°	2.0	2.0	1.4	1.8	3.4	5.7	7.8	9.5	10.7	11.0	10.5
107°	2.0	2.0	1.4	1.7	3.2	5.4	7.5	9.1	10.2	10.5	10.1
107.5°	2.0	2.0	1.4	1.7	3.0	5.1	7.1	8.7	9.8	10.1	9.7
108°	2.0	2.0	1.5	1.7	2.8	4.8	6.8	8.3	9.4	9.7	9.3
108.5°	2.0	2.0	1.5	1.6	2.7	4.5	6.4	8.0	9.1	9.4	9.0
109°	2.1	2.1	1.5	1.6	2.5	4.3	6.1	7.6	8.7	9.0	8.6
109.5°	2.1	2.1	1.6	1.5	2.4	4.0	5.8	7.3	8.3	8.6	8.3
110°	2.1	2.1	1.6	1.5	2.3	3.8	5.5	7.0	8.0	8.3	8.0
110.5°	2.1	2.1	1.6	1.5	2.2	3.6	5.2	6.7	7.7	8.0	7.7
111°	2.1	2.1	1.7	1.5	2.2	3.4	4.9	6.4	7.4	7.6	7.3



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	2.1	2.1	1.8	1.6	2.0	2.9	4.2	5.5	6.4	6.7	6.4
113°	2.2	2.1	1.9	1.7	2.0	2.8	4.0	5.2	6.1	6.4	6.1
113.5°	2.2	2.1	2.0	1.7	2.0	2.7	3.8	5.0	5.8	6.1	5.9
114°	2.2	2.1	2.0	1.7	1.9	2.6	3.6	4.7	5.5	5.8	5.6
114.5°	2.3	2.2	2.1	1.8	1.8	2.5	3.4	4.5	5.3	5.6	5.4
115°	2.3	2.2	2.1	1.8	1.8	2.5	3.2	4.3	5.0	5.3	5.2
115.5°	2.3	2.2	2.2	1.8	1.8	2.4	3.1	4.1	4.8	5.1	5.0
116°	2.3	2.3	2.2	1.9	1.8	2.3	3.0	3.9	4.6	4.9	4.7
116.5°	2.3	2.3	2.4	1.9	1.8	2.3	2.9	3.7	4.4	4.7	4.6
117°	2.3	2.4	2.5	1.9	1.8	2.3	2.8	3.6	4.2	4.5	4.4
117.5°	2.3	2.4	2.6	2.0	1.9	2.2	2.8	3.4	4.0	4.3	4.2
118°	2.3	2.5	2.7	2.0	1.9	2.1	2.7	3.3	3.9	4.1	4.1
118.5°	2.3	2.5	2.8	2.0	1.9	2.1	2.6	3.2	3.7	4.0	4.0
119°	2.4	2.5	2.8	2.1	1.9	2.0	2.6	3.1	3.6	3.9	3.8
119.5°	2.4	2.5	2.7	2.1	2.0	2.0	2.5	3.0	3.5	3.8	3.7
120°	2.4	2.6	2.6	2.2	2.0	2.0	2.5	2.9	3.4	3.7	3.6
120.5°	2.4	2.6	2.6	2.2	2.0	2.0	2.4	2.9	3.3	3.6	3.6
121°	2.5	2.6	2.6	2.3	2.1	2.1	2.3	2.8	3.2	3.5	3.5
121.5°	2.5	2.6	2.7	2.3	2.1	2.1	2.2	2.7	3.1	3.4	3.4
122°	2.5	2.7	2.7	2.4	2.2	2.1	2.2	2.7	3.1	3.3	3.3
122.5°	2.5	2.7	2.8	2.4	2.2	2.2	2.2	2.6	3.0	3.2	3.3
123°	2.5	2.7	2.8	2.5	2.3	2.2	2.2	2.5	2.9	3.2	3.2
123.5°	2.6	2.7	2.8	2.5	2.3	2.2	2.2	2.4	2.9	3.1	3.2
124°	2.6	2.8	2.9	2.6	2.4	2.3	2.2	2.3	2.8	3.1	3.1
124.5°	2.6	2.8	2.9	2.6	2.4	2.3	2.2	2.3	2.7	3.0	3.0
125°	2.6	2.8	2.9	2.7	2.4	2.4	2.2	2.3	2.7	2.9	3.0
125.5°	2.7	2.8	2.9	2.8	2.5	2.4	2.3	2.3	2.6	2.9	2.9
126°	2.7	2.8	2.9	2.9	2.5	2.4	2.3	2.4	2.6	2.8	2.9
126.5°	2.7	2.8	2.9	3.0	2.6	2.5	2.4	2.4	2.6	2.9	3.0
127°	2.7	2.8	2.9	3.1	2.6	2.5	2.4	2.5	2.7	2.9	3.0
127.5°	2.8	2.8	2.9	3.2	2.7	2.5	2.5	2.5	2.7	2.9	3.0
128°	2.8	2.8	2.9	3.3	2.7	2.6	2.5	2.6	2.7	2.9	3.1
128.5°	2.8	2.8	2.9	3.4	2.7	2.6	2.6	2.6	2.8	3.0	3.1
129°	2.8	2.8	2.9	3.4	2.8	2.6	2.6	2.7	2.9	3.0	3.1
129.5°	2.9	2.9	2.9	3.4	2.9	2.7	2.7	2.7	2.9	3.1	3.2
130°	2.9	2.9	2.8	3.4	2.9	2.8	2.7	2.8	3.0	3.1	3.2
130.5°	2.9	2.9	2.9	3.4	3.0	2.8	2.8	2.9	3.0	3.2	3.3
131°	2.9	2.9	2.9	3.4	3.1	2.9	2.8	3.0	3.1	3.2	3.3
131.5°	2.9	2.9	2.9	3.4	3.1	2.9	2.9	3.0	3.1	3.3	3.4
132°	2.9	2.9	2.9	3.4	3.2	3.0	3.0	3.1	3.2	3.3	3.4
132.5°	2.9	3.0	2.9	3.5	3.3	3.1	3.0	3.1	3.2	3.4	3.5
133°	2.9	3.0	3.0	3.6	3.4	3.1	3.1	3.2	3.3	3.4	3.5
133.5°	3.0	3.0	3.0	3.6	3.6	3.2	3.2	3.2	3.3	3.4	3.6



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	2.0	3.1	3.7	3.7	3.7	3.7	3.8	4.1	4.3	4.5	4.5
158°	2.0	3.2	3.7	3.7	3.7	3.7	3.7	4.0	4.2	4.4	4.4
158.5°	2.0	3.2	3.7	3.7	3.7	3.7	3.7	3.9	4.1	4.3	4.3
159°	2.0	3.1	3.7	3.7	3.8	3.8	3.7	3.9	4.0	4.2	4.2
159.5°	2.0	3.1	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.1	4.1
160°	2.1	3.0	3.6	3.7	3.8	3.8	3.8	3.8	3.9	4.0	4.1
160.5°	2.1	3.0	3.6	3.7	3.9	3.9	3.8	3.8	3.9	4.0	4.0
161°	2.1	3.0	3.6	3.7	3.9	3.9	3.8	3.8	3.9	4.0	4.0
161.5°	2.1	3.0	3.6	3.7	3.9	3.9	3.9	3.9	3.9	3.9	4.0
162°	2.1	3.0	3.6	3.8	3.9	4.0	3.9	3.9	3.9	3.9	4.0
162.5°	2.1	2.9	3.5	3.8	4.0	4.0	3.9	3.9	3.9	3.9	4.0
163°	2.1	2.9	3.5	3.7	4.0	4.0	4.0	3.9	3.9	3.9	4.0
163.5°	2.1	2.8	3.5	3.7	4.0	4.0	4.0	4.0	4.0	4.0	4.0
164°	2.1	2.7	3.5	3.7	4.0	4.1	4.0	4.0	4.0	4.0	4.0
164.5°	2.1	2.6	3.5	3.7	4.0	4.1	4.1	4.0	4.0	4.0	4.1
165°	2.1	2.5	3.5	3.7	4.0	4.1	4.1	4.1	4.0	4.0	4.1
165.5°	2.1	2.5	3.4	3.7	4.0	4.1	4.1	4.1	4.1	4.1	4.1
166°	2.2	2.6	3.5	3.6	4.0	4.1	4.1	4.1	4.1	4.1	4.2
166.5°	2.2	2.6	3.6	3.6	4.0	4.1	4.2	4.2	4.1	4.1	4.2
167°	2.2	2.6	3.4	3.6	4.0	4.1	4.2	4.2	4.2	4.1	4.2
167.5°	2.2	2.7	3.2	3.6	3.9	4.1	4.2	4.2	4.2	4.2	4.2
168°	2.2	2.7	3.3	3.3	3.9	4.1	4.2	4.2	4.2	4.2	4.3
168.5°	2.2	2.6	3.4	3.3	3.9	4.1	4.2	4.3	4.3	4.3	4.3
169°	2.3	2.4	3.2	3.5	3.8	4.1	4.2	4.3	4.3	4.3	4.3
169.5°	2.3	2.6	2.8	3.6	3.5	4.0	4.2	4.3	4.3	4.3	4.3
170°	2.4	2.8	3.0	3.4	3.5	3.9	4.2	4.3	4.3	4.3	4.3
170.5°	2.7	2.8	3.3	3.3	3.8	4.0	4.2	4.3	4.3	4.3	4.3
171°	3.1	2.8	3.3	3.4	3.7	3.9	4.1	4.2	4.3	4.3	4.3
171.5°	3.1	3.1	3.1	3.4	3.3	3.5	4.0	4.2	4.2	4.3	4.3
172°	3.1	3.2	3.1	3.3	3.4	3.4	3.9	4.2	4.2	4.2	4.2
172.5°	3.3	3.2	3.3	3.2	3.5	3.7	3.9	4.1	4.1	4.2	4.2
173°	3.3	3.3	3.3	3.3	3.3	3.7	3.9	4.0	4.1	4.1	4.1
173.5°	3.3	3.3	3.4	3.3	3.4	3.4	3.9	4.0	4.0	4.0	4.0
174°	3.4	3.4	3.5	3.2	3.4	3.6	3.7	3.9	4.0	4.0	4.0
174.5°	3.5	3.5	3.5	3.3	3.2	3.4	3.5	3.8	4.0	3.9	4.0
175°	3.5	3.6	3.6	3.5	3.2	3.3	3.6	3.8	4.0	3.9	3.9
175.5°	3.6	3.6	3.6	3.5	3.3	3.3	3.6	3.9	3.9	3.9	3.8
176°	3.6	3.6	3.6	3.5	3.2	3.1	3.3	3.8	4.0	3.9	3.8
176.5°	3.6	3.6	3.7	3.6	3.4	3.2	3.4	3.7	3.8	3.9	3.8
177°	3.6	3.6	3.7	3.7	3.4	3.2	3.4	3.6	3.7	3.8	3.8
177.5°	3.6	3.7	3.7	3.6	3.3	3.2	3.3	3.5	3.7	3.7	3.7
178°	3.6	3.7	3.6	3.5	3.3	3.2	3.2	3.3	3.6	3.7	3.5
178.5°	3.7	3.7	3.6	3.4	3.1	3.0	3.0	3.2	3.5	3.7	3.5



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-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: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8
0.5°	1944.2	1944.1	1944.0	1943.8	1943.6	1943.4	1943.2	1943.1	1943.0	1943.0	1943.1
1°	1944.2	1944.5	1944.7	1944.9	1944.7	1944.3	1943.8	1943.3	1942.8	1942.6	1942.5
1.5°	1944.8	1944.6	1944.1	1943.1	1942.5	1942.5	1942.5	1942.3	1941.8	1941.5	1941.5
2°	1944.7	1943.2	1941.6	1941.6	1941.5	1940.8	1940.6	1940.7	1940.3	1940.1	1940.1
2.5°	1943.2	1942.9	1943.1	1941.9	1941.8	1941.4	1940.2	1940.0	1939.6	1939.4	1938.9
3°	1942.4	1941.9	1941.6	1940.6	1940.7	1940.3	1939.9	1939.2	1937.7	1936.4	1936.7
3.5°	1940.8	1940.4	1940.3	1940.4	1939.5	1938.1	1937.8	1938.1	1935.8	1935.0	1934.6
4°	1940.4	1939.5	1938.8	1938.8	1938.5	1937.5	1936.1	1936.5	1935.2	1933.6	1932.4
4.5°	1936.9	1938.0	1936.1	1937.2	1937.3	1935.9	1934.4	1933.5	1932.8	1931.5	1930.5
5°	1936.1	1936.0	1935.7	1934.7	1935.1	1934.4	1933.0	1931.9	1931.1	1929.9	1927.5
5.5°	1934.9	1934.1	1933.8	1932.7	1933.1	1931.7	1931.4	1930.1	1929.3	1927.9	1925.2
6°	1932.7	1931.8	1931.0	1930.6	1930.3	1929.6	1929.1	1927.7	1926.5	1925.5	1922.1
6.5°	1930.0	1929.3	1928.8	1928.0	1927.5	1928.2	1927.0	1925.2	1923.1	1922.9	1919.4
7°	1927.6	1926.3	1926.9	1925.7	1925.3	1925.5	1924.6	1922.1	1920.1	1919.2	1916.8
7.5°	1924.3	1923.5	1923.7	1923.7	1922.2	1922.3	1921.2	1920.0	1916.9	1916.4	1914.2
8°	1921.3	1920.9	1920.3	1920.5	1919.9	1919.9	1917.4	1916.2	1914.0	1913.2	1910.1
8.5°	1917.4	1917.5	1916.9	1916.6	1917.1	1916.0	1915.7	1913.1	1911.8	1909.4	1906.7
9°	1913.5	1913.9	1913.5	1913.4	1914.0	1912.4	1911.8	1910.4	1907.4	1905.6	1903.0
9.5°	1910.3	1910.5	1909.4	1909.6	1909.8	1909.5	1907.6	1906.1	1903.0	1901.5	1898.3
10°	1906.1	1906.2	1905.4	1906.5	1905.9	1904.3	1904.4	1902.5	1899.5	1897.5	1894.1
10.5°	1901.7	1902.3	1900.5	1902.5	1901.9	1900.9	1900.9	1898.8	1896.0	1892.6	1890.0
11°	1896.5	1898.1	1897.3	1898.8	1898.0	1897.4	1896.9	1894.8	1891.4	1887.8	1885.0
11.5°	1891.6	1893.3	1892.3	1893.6	1893.6	1893.7	1892.2	1889.7	1886.3	1883.8	1879.8
12°	1886.8	1887.8	1887.5	1888.4	1889.5	1888.5	1887.6	1885.3	1882.3	1879.5	1874.8
12.5°	1881.7	1883.1	1882.9	1883.2	1884.9	1883.8	1882.8	1880.8	1877.9	1873.6	1870.3
13°	1876.4	1877.7	1877.1	1877.7	1879.1	1878.6	1878.4	1876.1	1873.5	1868.3	1865.1
13.5°	1870.2	1871.0	1871.1	1872.9	1873.8	1873.4	1873.2	1871.0	1867.2	1862.8	1858.5
14°	1863.8	1865.2	1866.2	1867.7	1868.6	1868.3	1867.9	1866.3	1861.7	1857.3	1852.7
14.5°	1857.4	1859.0	1860.3	1861.7	1863.2	1863.1	1862.6	1860.5	1857.1	1851.3	1846.5
15°	1850.9	1853.4	1854.0	1855.8	1858.1	1857.2	1857.2	1854.3	1851.5	1844.6	1840.4
15.5°	1844.1	1847.4	1848.2	1850.1	1852.3	1850.9	1851.7	1848.5	1844.9	1838.8	1834.1
16°	1836.8	1840.1	1841.5	1843.4	1845.6	1845.4	1845.5	1843.1	1838.6	1833.4	1827.9
16.5°	1829.9	1833.3	1834.7	1836.7	1838.9	1839.4	1838.8	1837.3	1833.0	1827.1	1820.8
17°	1822.4	1825.6	1827.4	1829.8	1832.8	1832.7	1832.6	1831.0	1826.4	1820.0	1813.2
17.5°	1814.8	1818.7	1820.6	1822.9	1826.6	1826.7	1827.3	1824.2	1819.5	1813.3	1806.2
18°	1807.3	1810.2	1813.5	1816.7	1819.4	1819.5	1819.9	1817.0	1812.3	1806.3	1798.6
18.5°	1798.9	1801.7	1806.3	1809.1	1812.4	1812.1	1812.2	1810.5	1805.4	1798.4	1790.5
19°	1790.2	1793.5	1798.0	1800.8	1805.1	1805.6	1805.6	1803.5	1798.9	1790.8	1783.2
19.5°	1781.5	1785.3	1789.7	1793.7	1797.2	1797.9	1798.4	1796.1	1791.3	1783.4	1775.0
20°	1773.7	1777.7	1781.8	1785.9	1789.4	1790.8	1790.8	1788.9	1783.8	1775.6	1766.9
20.5°	1764.8	1768.7	1773.8	1777.2	1782.1	1782.8	1782.9	1781.6	1776.2	1767.8	1758.5
21°	1755.3	1760.6	1764.6	1768.9	1773.5	1775.5	1775.5	1773.4	1768.2	1759.2	1750.1



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1726.4	1731.2	1737.4	1743.6	1748.4	1751.1	1751.0	1748.3	1743.2	1733.3	1724.1
23°	1716.4	1721.7	1728.4	1734.3	1739.6	1742.1	1742.4	1739.6	1734.7	1725.1	1714.1
23.5°	1706.2	1711.7	1718.5	1724.4	1731.2	1734.0	1734.2	1731.5	1725.7	1716.6	1704.9
24°	1695.3	1702.2	1708.3	1715.3	1721.5	1724.7	1725.2	1722.9	1717.1	1707.3	1695.5
24.5°	1684.8	1691.4	1698.6	1705.4	1712.0	1715.7	1716.8	1714.0	1707.9	1697.7	1685.8
25°	1674.5	1680.8	1688.7	1695.7	1702.4	1706.6	1707.9	1704.9	1698.6	1687.8	1675.6
25.5°	1663.3	1670.5	1678.0	1685.3	1692.6	1697.0	1698.1	1695.3	1689.1	1678.3	1666.0
26°	1652.2	1659.6	1667.7	1674.9	1683.0	1687.2	1688.1	1686.4	1679.7	1668.3	1655.5
26.5°	1640.9	1648.0	1656.6	1664.6	1673.4	1678.0	1678.6	1676.5	1669.5	1658.6	1645.2
27°	1629.0	1637.1	1645.7	1654.3	1662.5	1667.7	1668.8	1666.2	1659.9	1648.3	1634.7
27.5°	1617.5	1625.2	1634.6	1643.4	1652.7	1657.3	1658.5	1656.3	1649.8	1638.1	1623.8
28°	1605.2	1614.0	1622.8	1632.9	1641.8	1646.5	1648.1	1646.2	1639.3	1627.7	1612.7
28.5°	1593.2	1601.8	1611.8	1621.8	1630.6	1636.4	1638.0	1636.3	1629.0	1616.8	1602.3
29°	1580.8	1589.9	1600.5	1609.8	1620.4	1626.5	1628.0	1625.5	1618.4	1606.2	1590.9
29.5°	1567.8	1576.9	1588.3	1598.4	1609.1	1614.8	1617.7	1614.9	1607.2	1595.1	1579.1
30°	1555.7	1565.3	1576.5	1587.4	1597.8	1605.0	1606.0	1604.0	1596.1	1583.9	1567.9
30.5°	1542.9	1551.7	1564.3	1576.1	1586.3	1593.4	1594.7	1592.5	1586.2	1572.5	1556.1
31°	1528.9	1540.0	1552.3	1563.6	1575.1	1581.4	1584.3	1582.4	1574.5	1560.7	1544.5
31.5°	1515.6	1527.1	1539.7	1551.2	1563.8	1570.6	1572.8	1570.6	1562.6	1549.8	1532.7
32°	1502.5	1513.7	1526.8	1539.6	1551.2	1558.7	1560.9	1559.3	1551.9	1537.9	1520.5
32.5°	1489.0	1501.1	1514.5	1527.1	1539.0	1547.2	1549.6	1548.1	1539.7	1526.2	1508.5
33°	1475.4	1487.3	1501.7	1514.7	1527.8	1535.0	1538.2	1535.9	1528.3	1514.3	1495.6
33.5°	1461.5	1473.9	1488.4	1502.4	1515.0	1523.3	1525.7	1524.5	1516.3	1501.8	1483.2
34°	1447.8	1460.3	1475.2	1489.5	1501.9	1511.0	1513.8	1513.0	1504.3	1489.6	1470.8
34.5°	1434.3	1446.6	1461.9	1476.4	1489.8	1499.2	1502.0	1500.5	1491.6	1477.7	1459.6
35°	1419.9	1432.3	1448.3	1463.0	1477.5	1486.3	1490.0	1488.1	1479.7	1465.1	1447.3
35.5°	1404.8	1419.0	1434.7	1449.9	1464.5	1473.1	1477.3	1475.7	1467.4	1453.3	1433.6
36°	1390.3	1404.6	1421.0	1437.1	1451.0	1461.2	1464.8	1463.8	1455.2	1439.9	1420.0
36.5°	1376.0	1390.0	1407.4	1423.9	1438.2	1448.6	1452.4	1451.4	1442.0	1426.7	1406.3
37°	1361.4	1376.1	1393.3	1409.3	1425.7	1436.0	1439.4	1438.2	1428.9	1413.4	1392.7
37.5°	1347.1	1361.3	1379.3	1396.3	1412.0	1422.8	1426.4	1425.0	1415.8	1400.1	1379.1
38°	1332.0	1347.3	1365.5	1383.0	1398.9	1409.2	1413.2	1411.9	1402.7	1386.9	1365.7
38.5°	1317.7	1332.1	1351.5	1368.7	1384.2	1395.6	1400.2	1398.7	1389.5	1373.5	1351.7
39°	1302.6	1318.0	1336.8	1354.5	1371.0	1382.0	1386.7	1385.3	1376.0	1360.0	1338.3
39.5°	1288.0	1303.1	1322.3	1340.5	1357.2	1368.5	1372.9	1371.5	1362.2	1346.7	1324.0
40°	1272.5	1288.0	1307.6	1326.4	1343.4	1355.2	1359.6	1358.0	1348.9	1332.7	1310.3
40.5°	1256.9	1273.2	1292.5	1312.7	1329.0	1341.4	1345.9	1344.0	1335.2	1319.1	1296.4
41°	1241.5	1257.8	1278.2	1297.6	1315.3	1326.9	1331.7	1330.5	1321.4	1305.5	1282.4
41.5°	1226.9	1243.0	1263.5	1283.0	1300.7	1313.1	1318.1	1316.7	1307.9	1290.8	1267.6
42°	1212.0	1228.7	1248.8	1268.6	1286.4	1298.7	1303.5	1303.2	1293.3	1276.1	1253.3
42.5°	1196.8	1213.4	1234.0	1254.1	1271.8	1284.4	1289.6	1288.7	1279.5	1262.4	1238.5
43°	1181.5	1197.3	1218.8	1239.4	1257.6	1271.2	1275.4	1274.5	1265.0	1248.3	1225.4
43.5°	1165.6	1182.9	1204.0	1224.7	1243.4	1256.0	1261.1	1260.2	1250.4	1233.8	1210.4





TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	1120.2	1137.1	1158.8	1179.9	1199.7	1212.5	1217.4	1216.8	1207.5	1189.7	1166.1
45.5°	1104.2	1121.4	1143.7	1165.1	1184.0	1197.0	1203.2	1202.3	1192.2	1174.9	1151.2
46°	1088.8	1105.8	1128.4	1149.8	1169.0	1183.0	1187.9	1187.3	1177.2	1160.5	1136.4
46.5°	1073.3	1091.1	1112.5	1134.6	1153.7	1167.5	1172.9	1172.1	1162.5	1145.7	1121.6
47°	1058.1	1075.0	1097.4	1119.8	1139.4	1153.2	1158.5	1157.3	1147.5	1130.5	1106.5
47.5°	1042.7	1060.8	1082.1	1104.3	1124.3	1138.3	1142.6	1142.4	1132.8	1115.5	1091.4
48°	1027.3	1044.4	1066.8	1089.0	1109.1	1123.1	1127.8	1126.9	1117.8	1100.7	1076.4
48.5°	1012.2	1029.4	1052.2	1074.1	1093.1	1107.2	1112.5	1112.1	1102.6	1085.4	1060.8
49°	996.6	1014.4	1037.1	1058.7	1078.9	1092.4	1097.5	1097.2	1087.8	1070.1	1046.1
49.5°	981.8	999.3	1021.6	1043.3	1062.8	1077.7	1082.8	1081.8	1072.3	1054.9	1031.3
50°	966.7	983.3	1006.2	1027.5	1048.4	1062.2	1067.6	1066.7	1057.1	1040.0	1015.8
50.5°	951.6	968.4	990.7	1012.9	1032.7	1047.0	1052.1	1051.2	1042.1	1024.5	1000.2
51°	936.1	953.3	975.6	997.9	1017.7	1031.3	1036.4	1035.8	1026.0	1009.1	985.2
51.5°	921.5	939.0	960.2	982.5	1001.9	1016.5	1020.9	1020.4	1011.0	994.3	969.9
52°	906.6	923.1	945.1	966.7	986.8	1000.0	1005.9	1005.1	995.6	978.2	954.6
52.5°	891.9	908.2	930.0	951.5	971.2	985.1	990.6	991.0	980.0	962.6	939.3
53°	877.1	893.4	914.6	936.5	956.2	969.4	976.0	975.4	964.4	947.4	924.2
53.5°	862.2	878.8	899.8	921.0	940.8	954.4	962.0	958.2	949.1	932.4	908.8
54°	847.4	862.6	885.0	905.6	925.4	938.5	945.4	942.5	933.0	916.6	893.9
54.5°	833.1	848.5	869.6	890.6	909.4	923.5	928.2	927.1	917.7	901.4	878.7
55°	818.0	834.0	854.7	875.4	894.4	907.7	912.5	911.1	902.0	885.9	863.1
55.5°	803.2	819.4	840.2	860.3	878.6	892.3	896.4	895.2	886.0	870.3	847.6
56°	788.8	804.4	825.0	844.8	863.3	876.0	880.8	881.3	870.9	854.7	832.5
56.5°	774.7	789.8	809.9	829.7	847.9	860.4	866.0	865.5	855.5	839.2	817.3
57°	760.7	775.2	794.6	814.8	832.5	845.1	852.2	847.8	840.2	823.8	802.0
57.5°	746.3	761.1	779.8	800.2	817.1	829.7	835.7	832.5	823.3	808.1	786.9
58°	732.0	746.7	765.7	784.9	801.4	814.1	817.6	816.7	807.8	792.7	771.6
58.5°	718.2	732.0	750.5	769.2	785.9	798.1	802.0	801.3	792.0	777.7	756.3
59°	704.5	717.7	735.5	753.8	771.0	782.4	786.6	785.7	776.7	761.7	740.9
59.5°	690.3	703.9	721.1	739.0	755.7	767.8	772.2	768.8	760.6	746.0	726.2
60°	676.8	690.0	706.6	724.5	741.5	752.3	755.8	753.2	745.0	730.7	710.4
60.5°	663.1	675.8	692.4	709.5	726.5	735.9	738.5	737.6	728.7	715.1	695.6
61°	649.5	661.8	678.4	694.8	710.2	719.4	722.4	721.9	713.3	699.4	680.6
61.5°	635.8	647.7	663.9	680.6	694.3	704.4	707.2	705.5	697.0	683.7	665.0
62°	622.2	633.5	649.5	665.6	683.6	690.5	692.5	689.9	681.2	668.6	650.1
62.5°	608.4	619.4	634.9	651.1	667.4	685.4	672.3	673.6	665.8	653.1	634.8
63°	594.9	605.8	620.2	635.8	652.4	666.3	656.7	658.3	650.3	637.6	620.5
63.5°	582.0	592.3	605.9	620.4	635.5	647.9	641.6	642.1	633.9	622.4	605.5
64°	569.1	579.0	591.7	605.3	618.6	629.5	626.3	625.9	618.5	607.1	590.5
64.5°	556.1	565.3	577.9	590.8	603.0	611.1	610.9	610.1	602.9	591.5	575.4
65°	543.2	552.2	564.4	576.6	587.5	594.7	595.3	594.7	587.4	576.0	561.1
65.5°	530.4	539.1	550.4	562.0	572.4	578.9	580.3	578.6	571.6	560.9	546.1
66°	517.5	526.0	536.4	547.9	557.5	564.9	564.7	562.8	556.1	545.7	531.2



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	480.5	487.0	496.6	505.6	513.3	517.6	517.1	515.8	509.5	500.3	487.8
68°	468.0	474.4	483.2	491.4	498.5	502.7	501.4	500.3	494.0	485.0	472.8
68.5°	455.9	461.7	469.5	477.4	483.8	487.3	486.5	484.6	478.1	469.8	458.7
69°	443.6	448.8	456.5	463.3	469.0	472.2	470.7	468.8	462.6	455.1	444.3
69.5°	431.3	436.1	443.4	449.7	455.0	457.4	455.4	452.9	447.5	440.2	430.3
70°	419.0	423.9	430.4	436.3	440.6	441.9	439.6	437.8	432.3	425.3	416.0
70.5°	407.5	411.7	417.6	422.6	426.1	426.8	424.3	422.3	416.6	410.7	401.7
71°	396.0	399.7	404.8	409.1	411.9	412.1	408.8	407.1	401.9	395.6	387.4
71.5°	384.1	387.8	392.0	395.5	397.7	397.1	393.6	391.6	386.5	381.1	373.7
72°	372.4	375.6	379.3	382.2	383.6	382.5	378.7	376.3	371.3	366.3	359.9
72.5°	361.1	363.3	366.8	368.8	369.9	368.0	363.6	361.0	356.2	352.1	346.3
73°	349.6	351.4	354.2	355.8	356.1	353.3	348.5	345.8	341.3	337.5	332.2
73.5°	338.4	339.7	341.9	342.9	342.3	339.0	333.7	330.8	326.7	323.3	318.9
74°	327.5	328.3	330.0	330.2	328.6	324.6	318.9	316.0	312.2	309.1	305.3
74.5°	316.4	316.9	317.8	317.3	315.0	310.5	304.0	300.8	297.4	294.8	292.3
75°	305.3	305.4	305.7	304.2	301.4	296.3	289.6	286.3	283.1	281.1	279.2
75.5°	294.6	294.2	293.8	291.8	288.2	282.3	275.2	271.7	268.5	267.4	266.3
76°	284.0	283.2	282.1	279.4	275.2	268.5	260.9	257.3	254.4	253.8	253.1
76.5°	273.5	272.0	270.5	266.9	262.2	254.9	246.4	242.8	240.4	240.4	240.8
77°	263.0	261.2	259.3	255.3	249.2	241.3	232.8	228.7	226.6	227.0	228.3
77.5°	252.7	250.5	247.9	243.2	236.5	227.9	218.8	214.8	212.7	214.2	216.1
78°	242.7	240.1	236.7	231.4	224.0	214.8	205.4	201.0	199.4	201.1	203.5
78.5°	232.8	229.7	225.9	219.9	211.9	201.9	192.0	187.5	186.1	188.5	192.0
79°	223.0	219.7	215.1	208.5	199.9	189.3	179.0	174.8	173.6	176.8	181.0
79.5°	213.4	209.5	204.5	197.0	188.1	176.8	165.8	162.0	161.1	165.1	169.9
80°	203.9	199.8	194.2	186.2	176.3	164.3	153.2	149.2	148.6	153.3	158.9
80.5°	194.6	190.1	184.0	175.1	164.8	152.6	141.0	136.4	136.2	141.6	147.9
81°	185.7	180.8	174.1	164.9	153.7	141.0	129.0	124.2	124.4	129.9	137.0
81.5°	176.8	171.5	164.4	154.5	143.1	129.7	117.3	111.9	113.0	118.8	126.6
82°	168.0	162.3	155.0	144.8	132.3	118.6	105.9	100.4	101.6	108.1	116.5
82.5°	159.4	153.6	145.8	134.8	122.1	107.9	95.1	89.7	90.9	98.0	107.0
83°	151.3	145.1	136.8	125.7	112.3	97.6	84.6	79.0	80.7	88.3	97.8
83.5°	143.2	136.9	128.2	116.6	102.8	87.9	74.7	69.1	71.2	78.8	88.9
84°	135.4	128.9	119.9	107.8	93.6	78.4	65.2	59.4	61.6	69.8	80.5
84.5°	127.9	121.0	111.7	99.1	84.9	69.4	57.0	50.3	52.8	61.3	72.5
85°	120.4	113.5	103.7	91.3	76.6	62.1	49.0	41.9	44.4	53.5	65.0
85.5°	113.3	106.1	96.3	83.6	68.9	54.8	41.0	34.0	36.9	46.2	58.0
86°	106.4	99.2	89.2	76.4	62.5	47.6	32.9	28.2	29.8	39.5	51.5
86.5°	99.9	92.6	82.3	69.6	56.1	40.3	26.0	22.5	25.2	33.3	45.4
87°	93.5	86.1	75.7	63.9	49.8	33.0	20.1	16.8	20.6	28.0	39.7
87.5°	87.3	79.8	69.7	58.3	43.5	27.4	15.0	11.0	15.9	24.4	34.6
88°	81.4	73.9	64.5	52.6	37.2	22.6	10.7	5.3	11.3	20.9	30.1
88.5°	75.8	68.1	59.4	46.9	32.2	18.4	7.5	2.4	6.9	17.3	26.1



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	61.4	54.2	44.4	32.8	20.5	9.5	3.4	0.7	2.9	8.7	18.3
90.5°	57.1	49.7	40.2	29.1	17.5	7.7	2.0	0.6	2.5	7.4	16.2
91°	52.7	45.6	36.5	25.8	15.1	6.8	1.5	0.4	2.2	6.5	14.0
91.5°	48.6	41.8	33.0	22.8	13.0	6.0	1.2	0.3	1.9	5.9	11.9
92°	44.8	38.2	29.8	20.3	11.4	5.1	1.0	0.3	1.7	5.5	10.9
92.5°	41.3	35.0	27.0	18.1	10.0	4.2	0.8	0.4	1.6	5.1	10.1
93°	38.1	32.1	24.5	16.2	8.9	3.8	0.7	0.5	1.4	4.8	9.4
93.5°	35.2	29.4	22.2	14.6	8.1	3.5	0.6	0.5	1.3	4.5	9.0
94°	32.5	26.9	20.2	13.3	7.5	3.1	0.6	0.6	1.3	4.5	8.6
94.5°	30.0	24.7	18.4	12.2	7.1	2.9	0.6	0.7	1.3	4.4	8.2
95°	27.7	22.8	16.9	11.3	6.6	2.6	0.7	0.7	1.3	4.3	7.9
95.5°	25.6	21.0	15.7	10.6	6.2	2.4	0.8	0.8	1.3	4.2	7.7
96°	23.8	19.5	14.7	10.0	5.8	2.3	0.9	0.9	1.3	4.1	7.5
96.5°	22.2	18.2	13.8	9.5	5.4	2.1	1.0	1.0	1.3	4.0	7.3
97°	20.7	17.1	13.1	9.1	5.1	2.0	1.1	1.1	1.3	3.8	7.2
97.5°	19.5	16.2	12.5	8.7	4.9	1.9	1.2	1.2	1.3	3.7	7.1
98°	18.4	15.4	11.9	8.2	4.6	1.8	1.3	1.4	1.3	3.6	7.0
98.5°	17.5	14.7	11.4	7.8	4.3	1.7	1.4	1.5	1.4	3.5	6.9
99°	16.7	14.1	11.0	7.4	4.1	1.7	1.5	1.7	1.5	3.5	6.8
99.5°	16.0	13.6	10.5	7.1	3.9	1.6	1.6	1.8	1.7	3.5	6.6
100°	15.4	13.1	10.0	6.7	3.7	1.6	1.7	2.0	1.8	3.5	6.4
100.5°	14.9	12.5	9.6	6.4	3.5	1.6	1.8	2.2	1.9	3.4	6.3
101°	14.3	12.0	9.2	6.0	3.3	1.6	1.8	2.3	2.0	3.3	6.1
101.5°	13.8	11.5	8.8	5.7	3.1	1.6	1.9	2.4	2.1	3.2	6.0
102°	13.3	11.1	8.4	5.4	2.9	1.6	2.0	2.5	2.2	3.2	5.9
102.5°	12.8	10.6	8.0	5.2	2.7	1.6	2.1	2.5	2.3	3.0	5.8
103°	12.3	10.2	7.7	4.9	2.6	1.7	2.3	2.6	2.4	2.9	5.7
103.5°	11.8	9.8	7.4	4.7	2.5	1.8	2.3	2.7	2.5	2.8	5.5
104°	11.4	9.4	7.1	4.5	2.4	2.0	2.4	2.7	2.6	2.8	5.4
104.5°	11.0	9.0	6.8	4.2	2.4	2.1	2.5	2.8	2.7	2.8	5.3
105°	10.5	8.7	6.5	4.0	2.4	2.2	2.8	2.9	2.7	2.7	5.1
105.5°	10.1	8.3	6.2	3.8	2.4	2.3	3.2	3.0	2.8	2.7	5.0
106°	9.7	8.0	5.9	3.7	2.3	2.3	3.6	3.1	3.0	2.7	4.8
106.5°	9.3	7.7	5.6	3.5	2.3	2.3	3.9	3.2	3.2	2.6	4.6
107°	8.9	7.4	5.4	3.4	2.3	2.4	4.2	3.2	3.6	2.6	4.4
107.5°	8.6	7.0	5.1	3.2	2.3	2.5	4.3	3.3	3.8	2.5	4.3
108°	8.2	6.7	4.9	3.1	2.3	2.5	4.2	3.3	3.8	2.6	4.2
108.5°	7.9	6.4	4.6	3.0	2.4	2.6	4.2	3.4	3.7	2.7	4.0
109°	7.6	6.1	4.4	2.9	2.5	2.7	4.1	3.4	3.7	2.7	3.9
109.5°	7.3	5.8	4.2	2.8	2.5	2.8	4.0	3.5	3.8	2.8	3.8
110°	7.0	5.6	4.1	2.7	2.6	2.9	4.0	3.5	3.9	2.9	3.7
110.5°	6.7	5.3	3.9	2.7	2.6	3.0	4.0	3.6	4.0	3.0	3.7
111°	6.4	5.1	3.7	2.7	2.7	3.1	4.0	3.6	4.1	3.0	3.7



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	5.6	4.5	3.3	2.6	2.7	3.5	4.1	3.7	4.4	3.3	3.5
113°	5.4	4.3	3.2	2.6	2.8	3.7	4.1	3.8	4.5	3.3	3.4
113.5°	5.2	4.2	3.2	2.6	2.9	3.9	4.2	3.8	4.5	3.4	3.3
114°	5.0	4.0	3.1	2.6	3.0	4.1	4.3	3.8	4.6	3.4	3.2
114.5°	4.8	3.9	3.1	2.7	3.1	4.3	4.3	3.8	4.7	3.5	3.1
115°	4.6	3.8	3.1	2.7	3.2	4.4	4.3	3.8	4.7	3.5	3.0
115.5°	4.4	3.7	3.1	2.8	3.3	4.6	4.4	3.8	4.7	3.6	3.0
116°	4.3	3.7	3.0	2.9	3.4	4.8	4.4	3.8	4.8	3.7	3.0
116.5°	4.1	3.6	3.0	3.0	3.5	5.0	4.5	3.8	4.8	3.8	3.0
117°	4.0	3.5	2.9	3.1	3.7	5.0	4.5	3.9	4.9	3.9	3.1
117.5°	3.9	3.4	2.9	3.2	3.8	5.0	4.6	3.9	4.9	3.9	3.2
118°	3.8	3.4	2.9	3.3	3.9	5.1	4.7	3.9	5.0	4.0	3.3
118.5°	3.7	3.3	2.9	3.4	4.0	5.3	4.7	3.9	5.0	4.1	3.3
119°	3.6	3.2	3.0	3.4	4.1	5.5	4.8	3.9	5.0	4.2	3.4
119.5°	3.5	3.2	3.0	3.5	4.1	5.7	4.8	3.9	5.1	4.3	3.5
120°	3.5	3.1	3.0	3.6	4.2	5.7	4.9	3.9	5.1	4.4	3.6
120.5°	3.4	3.1	3.1	3.7	4.3	5.9	4.9	3.9	5.1	4.6	3.7
121°	3.3	3.0	3.2	3.8	4.4	6.0	4.9	3.9	5.1	4.7	3.7
121.5°	3.2	3.0	3.2	3.8	4.5	6.0	4.9	3.9	5.2	4.6	3.8
122°	3.2	3.0	3.3	3.9	4.6	6.0	4.9	3.9	5.2	4.6	3.9
122.5°	3.1	3.0	3.4	4.0	4.8	6.0	4.8	3.9	5.2	4.6	3.9
123°	3.1	3.0	3.5	4.0	4.9	5.9	4.8	3.9	5.2	4.7	4.0
123.5°	3.0	3.1	3.5	4.1	5.0	5.8	4.8	3.9	5.2	4.7	4.0
124°	3.0	3.1	3.6	4.2	5.1	5.7	4.7	3.9	5.3	4.8	4.1
124.5°	3.0	3.2	3.7	4.3	5.2	5.6	4.7	3.9	5.3	4.8	4.1
125°	3.0	3.2	3.8	4.3	5.4	5.5	4.7	3.9	5.3	4.9	4.2
125.5°	3.0	3.3	3.8	4.4	5.5	5.5	4.6	3.9	5.3	4.9	4.2
126°	3.1	3.4	3.9	4.5	5.7	5.4	4.6	3.9	5.3	5.0	4.3
126.5°	3.1	3.4	4.0	4.6	5.9	5.3	4.6	4.0	5.3	5.0	4.3
127°	3.1	3.5	4.0	4.7	5.9	5.3	4.5	4.0	5.3	5.1	4.4
127.5°	3.2	3.5	4.1	4.8	5.9	5.2	4.5	4.0	5.3	5.1	4.5
128°	3.2	3.6	4.2	4.9	6.0	5.2	4.5	4.0	5.3	5.1	4.5
128.5°	3.3	3.7	4.2	5.0	6.1	5.2	4.5	4.0	5.3	5.1	4.6
129°	3.3	3.7	4.3	5.1	6.2	5.2	4.5	3.9	5.2	5.1	4.8
129.5°	3.4	3.8	4.4	5.2	6.2	5.2	4.5	4.0	5.2	5.2	4.9
130°	3.5	3.9	4.4	5.3	6.3	5.2	4.5	4.0	5.2	5.2	5.0
130.5°	3.5	3.9	4.5	5.4	6.4	5.2	4.5	4.0	5.2	5.2	5.0
131°	3.6	4.0	4.6	5.5	6.4	5.2	4.5	4.1	5.3	5.3	5.0
131.5°	3.6	4.0	4.7	5.5	6.5	5.2	4.4	4.1	5.3	5.3	5.0
132°	3.7	4.1	4.7	5.7	6.5	5.2	4.4	4.1	5.3	5.4	4.9
132.5°	3.7	4.2	4.8	5.8	6.5	5.1	4.4	4.1	5.3	5.4	5.0
133°	3.8	4.3	4.9	5.9	6.4	5.1	4.4	4.1	5.3	5.4	5.0
133.5°	3.8	4.3	5.0	6.1	6.4	5.0	4.4	4.1	5.2	5.4	5.0



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	4.0	4.6	5.3	6.4	6.2	5.0	4.4	4.1	5.1	5.5	4.9
135.5°	4.1	4.6	5.4	6.5	6.2	5.0	4.5	4.1	5.2	5.5	5.0
136°	4.2	4.7	5.5	6.5	6.1	5.0	4.5	4.1	5.2	5.5	5.0
136.5°	4.3	4.8	5.5	6.5	6.1	5.0	4.5	4.1	5.1	5.4	5.0
137°	4.3	4.9	5.6	6.6	6.0	5.0	4.5	4.1	5.1	5.4	5.0
137.5°	4.4	4.9	5.7	6.6	5.9	5.0	4.5	4.1	5.1	5.4	5.1
138°	4.5	5.0	5.8	6.7	5.8	5.0	4.5	4.1	5.0	5.4	5.1
138.5°	4.5	5.1	6.0	6.7	5.7	5.0	4.6	4.1	4.8	5.4	5.1
139°	4.6	5.2	6.1	6.7	5.7	5.0	4.6	4.1	4.8	5.4	5.1
139.5°	4.7	5.3	6.2	6.7	5.6	5.0	4.6	4.1	4.8	5.4	5.1
140°	4.8	5.3	6.3	6.7	5.5	5.0	4.6	4.1	4.9	5.4	5.1
140.5°	4.8	5.4	6.3	6.6	5.4	5.0	4.6	4.1	4.9	5.5	5.1
141°	4.9	5.5	6.4	6.5	5.3	5.0	4.6	4.0	4.9	5.5	5.1
141.5°	5.0	5.6	6.4	6.4	5.3	5.0	4.6	4.1	4.9	5.5	5.1
142°	5.1	5.7	6.5	6.3	5.2	5.0	4.6	4.0	4.9	5.5	5.1
142.5°	5.1	5.9	6.5	6.2	5.1	5.0	4.6	3.9	4.9	5.6	5.0
143°	5.2	6.0	6.5	6.1	5.1	5.0	4.5	3.8	4.8	5.4	5.0
143.5°	5.3	6.1	6.5	6.0	5.1	5.0	4.5	3.9	4.8	5.3	5.0
144°	5.4	6.1	6.5	5.9	5.0	5.0	4.5	4.0	4.8	5.3	5.1
144.5°	5.6	6.2	6.5	5.8	5.0	5.0	4.6	4.0	4.8	5.4	5.2
145°	5.7	6.2	6.4	5.7	5.0	4.9	4.6	4.0	4.7	5.5	5.1
145.5°	5.9	6.2	6.3	5.6	4.9	4.9	4.6	4.0	4.7	5.6	5.1
146°	6.0	6.2	6.2	5.5	4.9	5.0	4.6	4.0	4.7	5.6	5.1
146.5°	6.0	6.2	6.1	5.4	4.9	5.0	4.6	4.0	4.6	5.6	5.1
147°	6.0	6.1	6.0	5.3	4.8	4.9	4.5	3.9	4.6	5.5	5.2
147.5°	6.0	6.1	5.9	5.2	4.8	4.9	4.4	3.9	4.6	5.5	5.3
148°	6.0	6.1	5.8	5.1	4.8	4.7	4.3	4.0	4.6	5.5	5.3
148.5°	5.9	6.1	5.7	5.0	4.8	4.6	4.4	4.0	4.6	5.5	5.3
149°	5.9	6.0	5.6	4.9	4.7	4.7	4.5	4.0	4.5	5.4	5.4
149.5°	5.8	5.8	5.5	4.8	4.7	4.8	4.5	4.0	4.5	5.4	5.4
150°	5.8	5.7	5.3	4.8	4.7	4.8	4.5	4.0	4.5	5.4	5.4
150.5°	5.8	5.6	5.2	4.7	4.6	4.7	4.4	4.0	4.5	5.3	5.4
151°	5.7	5.5	5.1	4.6	4.5	4.7	4.4	4.0	4.5	5.3	5.2
151.5°	5.7	5.4	5.0	4.6	4.5	4.7	4.4	4.0	4.4	5.3	5.2
152°	5.6	5.3	4.9	4.5	4.6	4.7	4.3	4.0	4.3	5.2	5.3
152.5°	5.5	5.2	4.8	4.5	4.6	4.6	4.3	4.0	4.1	5.1	5.4
153°	5.4	5.1	4.7	4.5	4.6	4.6	4.3	3.9	3.9	5.0	5.4
153.5°	5.3	5.0	4.6	4.4	4.6	4.6	4.3	3.8	3.8	4.9	5.4
154°	5.1	4.9	4.5	4.4	4.6	4.6	4.2	3.8	3.8	4.9	5.4
154.5°	5.0	4.7	4.4	4.4	4.6	4.5	4.2	3.8	3.8	4.6	5.3
155°	4.9	4.6	4.4	4.4	4.6	4.4	4.2	3.7	3.7	4.4	5.1
155.5°	4.8	4.5	4.3	4.3	4.4	4.2	4.1	3.6	3.6	4.2	4.8
156°	4.7	4.4	4.3	4.4	4.4	4.2	4.1	3.5	3.6	4.1	4.6



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	4.4	4.2	4.2	4.3	4.2	4.1	3.5	3.4	3.6	4.0	4.6
158°	4.3	4.2	4.2	4.3	4.4	4.1	3.4	3.4	3.5	3.9	4.6
158.5°	4.2	4.1	4.2	4.4	4.4	4.1	3.4	3.4	3.5	3.9	4.5
159°	4.2	4.1	4.2	4.3	4.3	4.0	3.4	3.4	3.5	3.9	4.4
159.5°	4.1	4.1	4.2	4.2	4.2	4.0	3.3	3.4	3.5	3.8	4.3
160°	4.1	4.1	4.2	4.2	4.2	4.0	3.3	3.4	3.5	3.8	4.2
160.5°	4.1	4.1	4.2	4.2	4.1	4.0	3.3	3.4	3.5	3.8	4.2
161°	4.0	4.1	4.2	4.2	4.2	3.9	3.3	3.3	3.5	3.7	4.1
161.5°	4.0	4.1	4.2	4.3	4.3	3.7	3.3	3.3	3.4	3.7	4.1
162°	4.0	4.1	4.3	4.4	4.2	3.4	3.3	3.3	3.4	3.6	4.0
162.5°	4.1	4.2	4.3	4.4	4.1	3.4	3.3	3.3	3.4	3.6	4.0
163°	4.1	4.2	4.3	4.4	4.0	3.3	3.3	3.3	3.4	3.6	3.9
163.5°	4.1	4.2	4.3	4.3	3.7	3.3	3.3	3.3	3.4	3.6	3.9
164°	4.1	4.2	4.3	4.2	3.5	3.3	3.3	3.3	3.4	3.5	3.9
164.5°	4.1	4.2	4.4	4.2	3.4	3.2	3.3	3.2	3.4	3.5	3.8
165°	4.2	4.3	4.4	4.1	3.4	3.2	3.3	3.2	3.4	3.5	3.8
165.5°	4.2	4.3	4.3	4.0	3.4	3.2	3.3	3.2	3.4	3.5	3.8
166°	4.2	4.3	4.3	4.0	3.4	3.2	3.3	3.3	3.4	3.5	3.7
166.5°	4.2	4.3	4.3	4.0	3.3	3.2	3.3	3.3	3.4	3.5	3.7
167°	4.3	4.3	4.3	3.9	3.3	3.2	3.3	3.3	3.4	3.5	3.7
167.5°	4.3	4.4	4.2	3.6	3.3	3.3	3.3	3.3	3.4	3.5	3.7
168°	4.3	4.4	4.1	3.4	3.3	3.3	3.3	3.3	3.4	3.5	3.6
168.5°	4.3	4.4	4.1	3.4	3.3	3.3	3.4	3.3	3.4	3.5	3.6
169°	4.3	4.3	4.0	3.4	3.3	3.3	3.4	3.3	3.4	3.5	3.6
169.5°	4.3	4.3	4.0	3.4	3.3	3.3	3.4	3.4	3.3	3.5	3.6
170°	4.3	4.2	3.9	3.4	3.3	3.4	3.6	3.5	3.3	3.5	3.8
170.5°	4.3	4.1	3.5	3.3	3.3	3.5	3.7	3.7	3.3	3.8	4.1
171°	4.3	4.0	3.4	3.3	3.3	3.6	3.8	3.7	3.4	4.1	4.1
171.5°	4.2	3.9	3.3	3.2	3.4	3.7	3.9	3.7	3.8	4.0	4.0
172°	4.2	3.8	3.3	3.2	3.4	3.9	3.9	3.8	3.8	4.0	4.0
172.5°	4.1	3.7	3.3	3.2	3.5	3.9	3.9	3.8	3.8	3.9	4.0
173°	4.0	3.7	3.3	3.2	3.5	3.9	3.9	3.8	3.8	3.9	4.0
173.5°	3.9	3.6	3.3	3.3	3.6	3.9	3.9	3.8	3.8	3.9	4.0
174°	3.8	3.4	3.2	3.3	3.6	3.9	3.9	3.8	3.8	3.8	4.0
174.5°	3.7	3.2	3.2	3.4	3.8	3.9	3.9	3.8	3.8	3.8	4.0
175°	3.7	3.3	3.2	3.4	3.8	3.9	3.9	3.8	3.8	3.9	3.9
175.5°	3.6	3.3	3.2	3.4	3.8	3.9	3.9	3.8	3.8	3.8	3.8
176°	3.6	3.4	3.3	3.5	3.7	3.9	3.9	3.8	3.8	3.8	3.8
176.5°	3.6	3.4	3.3	3.4	3.7	3.9	3.9	3.8	3.8	3.8	3.8
177°	3.7	3.5	3.3	3.5	3.8	3.9	3.9	3.8	3.8	3.8	3.8
177.5°	3.5	3.3	3.3	3.4	3.7	3.9	3.8	3.7	3.7	3.7	3.7
178°	3.3	3.1	3.1	3.2	3.5	3.7	3.7	3.7	3.7	3.7	3.7
178.5°	3.3	3.1	3.1	3.2	3.3	3.5	3.5	3.6	3.6	3.7	3.7



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-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: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8	1943.8
0.5°	1943.1	1943.1	1943.2	1943.2	1943.2	1943.2	1943.3	1943.3	1943.4	1943.4	1943.4
1°	1942.6	1942.5	1942.2	1941.8	1941.5	1941.2	1941.4	1941.8	1942.2	1942.7	1942.9
1.5°	1941.5	1941.5	1941.6	1941.3	1941.2	1941.1	1941.3	1941.6	1941.9	1942.0	1942.3
2°	1939.8	1939.8	1939.6	1939.3	1939.0	1938.9	1939.2	1939.6	1940.2	1940.7	1940.8
2.5°	1938.7	1938.5	1937.7	1936.9	1937.0	1937.3	1937.3	1937.4	1938.1	1939.0	1939.5
3°	1936.9	1936.6	1935.6	1935.2	1935.5	1935.8	1935.7	1935.6	1936.2	1937.0	1937.3
3.5°	1933.9	1933.6	1933.4	1932.8	1932.9	1933.6	1933.9	1934.2	1934.7	1935.3	1936.0
4°	1932.3	1932.1	1931.3	1930.6	1930.9	1931.5	1931.9	1932.0	1932.1	1932.9	1933.6
4.5°	1929.3	1928.9	1928.7	1928.7	1928.6	1928.3	1928.6	1929.1	1929.5	1930.6	1932.1
5°	1926.9	1926.6	1925.6	1925.1	1924.5	1924.2	1925.0	1926.1	1927.3	1928.8	1930.5
5.5°	1924.5	1923.6	1922.8	1922.1	1921.8	1922.2	1922.2	1923.0	1924.5	1926.4	1928.2
6°	1920.9	1920.2	1919.6	1919.0	1918.9	1918.5	1918.4	1919.2	1921.0	1922.4	1924.8
6.5°	1917.5	1916.2	1915.6	1915.1	1914.8	1915.1	1915.1	1916.2	1917.8	1919.6	1922.2
7°	1914.8	1913.5	1911.9	1910.9	1911.2	1911.6	1911.9	1912.9	1914.8	1916.1	1919.6
7.5°	1911.6	1910.2	1907.9	1907.3	1906.6	1905.8	1906.9	1908.5	1910.3	1912.7	1915.8
8°	1907.1	1906.0	1904.1	1902.8	1902.1	1902.2	1902.8	1904.3	1906.3	1908.4	1912.1
8.5°	1902.9	1900.8	1899.6	1898.5	1897.4	1897.8	1898.1	1899.9	1902.4	1904.6	1908.2
9°	1898.1	1896.3	1895.0	1893.3	1893.1	1893.1	1893.1	1894.7	1897.7	1901.1	1905.3
9.5°	1894.2	1892.1	1889.5	1888.4	1887.9	1887.6	1887.9	1890.0	1892.9	1896.4	1901.0
10°	1890.9	1887.3	1884.9	1883.2	1882.6	1882.6	1882.5	1884.7	1888.2	1892.0	1896.3
10.5°	1885.4	1882.5	1879.4	1877.4	1876.6	1875.8	1877.2	1879.7	1882.9	1887.2	1892.5
11°	1879.9	1876.9	1873.8	1872.1	1871.0	1870.8	1871.3	1873.5	1877.6	1881.6	1887.3
11.5°	1874.4	1871.1	1867.9	1865.9	1865.0	1864.2	1865.4	1867.8	1871.9	1877.4	1881.6
12°	1869.8	1865.2	1861.8	1859.8	1858.5	1858.1	1859.7	1862.5	1866.4	1872.3	1877.8
12.5°	1864.5	1859.6	1856.1	1853.9	1852.5	1851.1	1853.1	1855.9	1860.2	1866.0	1873.0
13°	1858.7	1853.3	1849.5	1846.9	1844.6	1844.1	1846.5	1849.3	1853.4	1860.0	1866.6
13.5°	1851.9	1846.5	1842.7	1839.6	1837.5	1837.3	1839.3	1842.0	1847.1	1853.4	1861.2
14°	1846.1	1840.2	1835.9	1832.7	1830.4	1831.0	1831.8	1835.2	1840.8	1848.1	1854.4
14.5°	1839.6	1833.0	1829.1	1825.8	1822.4	1822.9	1825.0	1828.0	1833.7	1841.4	1848.8
15°	1832.8	1826.3	1822.1	1818.0	1815.6	1815.2	1817.1	1821.0	1826.2	1834.1	1842.2
15.5°	1826.5	1819.6	1814.1	1809.8	1808.1	1807.0	1809.0	1813.0	1819.3	1827.1	1835.7
16°	1819.6	1812.4	1806.2	1801.5	1798.7	1798.6	1800.4	1804.9	1811.3	1819.5	1828.4
16.5°	1812.2	1804.8	1798.5	1793.5	1790.9	1791.1	1792.7	1796.8	1803.8	1812.1	1821.2
17°	1804.8	1797.0	1790.8	1785.7	1782.9	1782.3	1784.2	1788.5	1795.7	1805.2	1814.1
17.5°	1797.1	1789.1	1782.6	1777.2	1774.0	1773.2	1775.8	1779.8	1787.2	1797.1	1807.5
18°	1789.2	1780.6	1773.9	1768.0	1764.7	1763.6	1765.7	1771.8	1779.2	1789.0	1799.9
18.5°	1781.1	1772.6	1764.7	1758.4	1755.6	1755.0	1757.1	1762.9	1771.2	1780.9	1791.9
19°	1773.6	1763.5	1755.4	1749.2	1746.9	1744.9	1747.0	1753.1	1761.4	1772.2	1783.1
19.5°	1764.3	1754.5	1746.3	1739.8	1737.1	1735.4	1737.9	1743.4	1752.1	1764.0	1775.4
20°	1756.3	1746.2	1737.2	1730.2	1726.4	1725.7	1728.8	1734.2	1743.5	1755.2	1768.2
20.5°	1747.7	1736.9	1727.9	1720.2	1715.9	1715.4	1718.6	1725.1	1734.2	1746.4	1759.8
21°	1738.4	1727.7	1718.1	1710.1	1705.4	1705.2	1708.2	1714.8	1724.8	1737.6	1750.5





TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1710.7	1698.0	1687.5	1679.4	1673.4	1672.6	1675.3	1682.4	1693.9	1709.0	1723.2
23°	1701.5	1688.0	1677.4	1668.4	1662.7	1662.3	1664.6	1672.1	1684.0	1699.1	1714.6
23.5°	1691.3	1677.3	1666.2	1657.2	1652.3	1650.2	1653.1	1660.9	1673.4	1688.5	1704.7
24°	1681.5	1667.1	1655.1	1645.1	1640.3	1638.2	1640.9	1650.1	1662.2	1678.0	1694.4
24.5°	1671.3	1656.8	1643.7	1633.5	1628.6	1625.9	1630.1	1639.7	1652.1	1667.7	1684.7
25°	1662.2	1646.1	1633.5	1622.6	1617.4	1614.3	1618.4	1628.2	1641.1	1657.2	1674.2
25.5°	1650.5	1634.8	1622.1	1610.8	1604.5	1602.4	1606.2	1615.6	1629.1	1646.1	1664.5
26°	1639.7	1623.5	1609.8	1599.1	1592.9	1590.1	1594.4	1603.8	1618.4	1635.7	1654.3
26.5°	1629.0	1612.4	1597.7	1586.8	1580.8	1577.8	1581.3	1591.9	1606.5	1624.6	1643.3
27°	1618.7	1601.8	1586.3	1574.0	1567.6	1565.8	1569.1	1579.3	1594.8	1612.9	1632.4
27.5°	1607.4	1589.1	1574.1	1561.3	1554.1	1553.4	1556.8	1566.8	1582.4	1602.1	1621.1
28°	1595.5	1577.5	1562.1	1548.8	1542.1	1540.0	1544.4	1555.4	1571.0	1590.2	1610.6
28.5°	1584.6	1566.3	1550.0	1537.0	1529.3	1526.8	1530.8	1542.3	1558.8	1578.1	1598.3
29°	1573.1	1553.7	1537.3	1523.5	1515.7	1514.6	1518.7	1528.8	1545.3	1565.7	1587.1
29.5°	1561.3	1541.2	1524.6	1510.5	1502.9	1500.4	1503.9	1515.9	1533.2	1554.4	1576.3
30°	1549.4	1528.8	1511.7	1497.4	1489.1	1486.9	1491.6	1503.3	1520.7	1542.4	1564.4
30.5°	1537.1	1516.7	1498.8	1484.1	1476.3	1473.3	1477.8	1489.7	1507.4	1529.5	1552.2
31°	1525.0	1504.0	1485.8	1470.9	1462.7	1459.7	1464.8	1476.8	1494.6	1516.8	1540.6
31.5°	1512.5	1491.2	1472.7	1457.3	1448.6	1445.6	1450.8	1463.6	1482.0	1504.7	1528.1
32°	1499.8	1478.7	1459.7	1443.2	1434.4	1431.5	1436.8	1449.6	1469.1	1492.1	1516.0
32.5°	1488.0	1465.8	1446.1	1429.0	1420.3	1417.4	1422.8	1435.5	1455.7	1479.5	1503.6
33°	1475.0	1452.3	1432.5	1414.8	1406.2	1403.2	1408.8	1421.5	1441.9	1466.7	1491.4
33.5°	1461.6	1438.6	1418.9	1400.6	1392.0	1389.1	1394.8	1407.5	1428.1	1453.5	1478.7
34°	1450.5	1425.3	1405.5	1387.2	1377.0	1374.8	1379.6	1393.3	1414.3	1440.1	1466.0
34.5°	1436.8	1411.9	1391.7	1373.8	1363.0	1359.8	1365.4	1379.8	1400.6	1426.7	1453.7
35°	1423.2	1398.1	1376.6	1359.3	1348.7	1345.1	1351.2	1365.8	1386.8	1413.3	1440.6
35.5°	1409.7	1384.5	1362.7	1345.1	1334.2	1330.7	1336.7	1351.7	1372.5	1399.8	1427.4
36°	1396.2	1371.0	1349.0	1329.9	1319.0	1315.9	1321.7	1335.9	1358.3	1386.4	1414.3
36.5°	1382.4	1356.8	1333.7	1315.3	1303.8	1301.2	1306.9	1322.0	1343.9	1371.7	1401.1
37°	1368.6	1342.0	1319.6	1301.0	1288.8	1285.6	1291.8	1307.7	1329.7	1357.6	1387.4
37.5°	1354.9	1327.9	1305.1	1286.3	1275.0	1270.9	1277.2	1292.5	1314.8	1343.3	1373.7
38°	1340.5	1313.4	1290.2	1270.6	1259.2	1256.6	1261.9	1278.0	1300.9	1329.4	1359.0
38.5°	1326.5	1299.4	1275.6	1256.2	1244.4	1240.5	1247.2	1263.1	1286.3	1315.4	1345.3
39°	1312.5	1285.2	1260.7	1241.1	1229.5	1225.9	1232.6	1248.5	1271.7	1301.1	1331.5
39.5°	1298.1	1271.0	1246.4	1226.1	1214.8	1210.6	1216.7	1233.1	1256.8	1286.5	1317.7
40°	1284.3	1256.1	1231.6	1211.5	1199.1	1195.5	1202.1	1218.3	1241.9	1272.1	1303.5
40.5°	1270.0	1241.4	1216.7	1196.2	1183.8	1180.3	1186.1	1202.6	1227.8	1257.6	1289.7
41°	1255.7	1226.7	1201.7	1180.6	1168.7	1165.0	1171.8	1188.3	1212.5	1243.1	1275.0
41.5°	1241.0	1212.2	1186.9	1166.1	1153.5	1150.1	1156.0	1173.2	1197.9	1228.6	1260.7
42°	1226.2	1197.1	1171.5	1150.9	1137.8	1134.5	1141.3	1157.7	1182.8	1213.5	1247.0
42.5°	1212.2	1182.8	1156.6	1135.7	1122.8	1119.5	1125.8	1142.9	1168.3	1198.5	1231.6
43°	1197.8	1167.4	1141.9	1120.5	1107.1	1104.5	1111.1	1128.0	1153.3	1184.3	1217.5
43.5°	1182.8	1152.9	1126.6	1105.0	1092.6	1088.9	1095.5	1112.2	1137.5	1169.6	1202.8



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	1138.2	1107.3	1080.9	1059.7	1047.3	1042.9	1049.4	1067.0	1092.0	1124.8	1158.8
45.5°	1123.3	1092.7	1066.5	1044.4	1031.8	1028.0	1034.9	1052.1	1077.2	1109.6	1143.7
46°	1108.4	1077.9	1051.0	1029.6	1016.4	1013.4	1019.9	1037.3	1062.8	1094.6	1129.1
46.5°	1093.3	1062.7	1036.1	1014.5	1001.5	998.1	1004.6	1022.4	1047.9	1079.7	1113.8
47°	1078.6	1047.3	1020.8	999.3	986.0	982.8	989.7	1006.8	1032.5	1064.5	1099.5
47.5°	1063.1	1032.4	1006.1	984.3	971.3	968.2	974.7	991.8	1017.4	1049.6	1084.2
48°	1047.7	1017.7	990.3	969.2	956.6	952.7	959.1	976.6	1002.3	1034.3	1069.0
48.5°	1032.7	1002.4	975.9	954.5	941.8	937.9	944.8	961.7	987.2	1019.4	1053.5
49°	1017.9	987.2	960.8	939.8	926.5	923.0	930.2	947.2	972.9	1005.0	1038.6
49.5°	1003.5	972.2	946.2	925.0	911.6	908.9	915.2	932.4	957.3	989.7	1024.1
50°	987.1	957.3	930.8	909.8	896.8	893.7	900.9	917.2	943.1	974.3	1009.2
50.5°	972.8	942.2	915.2	894.8	882.7	879.3	885.3	902.1	927.8	959.3	993.9
51°	957.4	926.8	901.1	880.5	867.7	865.3	871.2	887.8	912.6	944.3	979.2
51.5°	942.1	912.0	886.6	866.1	853.2	850.5	857.0	873.7	898.2	929.6	963.7
52°	926.6	897.6	871.9	851.6	838.8	835.9	842.5	859.4	883.8	915.4	948.8
52.5°	911.7	882.7	857.2	836.9	824.8	822.3	828.0	844.8	869.3	900.4	933.7
53°	896.8	867.8	842.1	822.3	810.3	808.0	813.9	830.2	854.5	885.3	918.8
53.5°	881.8	853.0	827.4	808.0	795.9	793.4	800.1	815.6	840.2	870.6	904.5
54°	866.9	838.3	812.8	793.8	781.9	778.6	785.2	801.0	825.3	855.7	889.3
54.5°	851.9	823.1	798.4	779.4	767.7	765.2	771.7	786.9	811.0	840.9	873.8
55°	836.7	808.0	784.1	765.4	753.5	751.1	757.3	773.0	796.4	826.5	858.8
55.5°	822.2	793.7	769.7	751.1	740.3	737.7	743.8	758.8	782.1	811.8	843.6
56°	806.9	779.0	755.2	737.3	726.2	724.0	730.0	744.5	767.6	797.2	829.1
56.5°	791.7	764.1	741.3	723.4	712.0	709.8	716.3	731.0	753.7	782.6	813.9
57°	777.0	749.8	726.8	709.4	698.5	696.6	702.6	717.5	739.3	767.7	799.1
57.5°	761.6	735.6	713.1	695.4	684.8	682.8	688.4	703.1	725.4	753.2	784.1
58°	747.0	720.9	698.8	681.7	671.8	669.5	675.4	689.4	711.1	738.6	769.4
58.5°	731.9	706.8	685.0	668.0	658.2	656.4	662.1	675.8	697.4	724.5	755.1
59°	717.3	692.5	670.8	654.7	644.6	642.9	648.6	662.5	683.4	710.3	740.3
59.5°	702.6	677.9	657.4	641.0	631.1	629.5	635.9	649.0	669.9	695.9	725.5
60°	687.8	664.0	643.9	627.4	618.6	617.0	622.4	635.5	655.9	681.8	710.3
60.5°	673.3	649.8	629.9	614.1	605.2	603.5	609.1	622.1	642.4	667.6	695.4
61°	658.3	635.7	616.1	600.9	592.1	590.7	595.9	609.0	628.5	653.5	681.3
61.5°	643.8	621.7	602.8	588.3	580.1	578.0	583.4	596.0	615.3	639.4	666.4
62°	628.9	607.7	589.6	574.9	566.6	565.4	570.5	583.2	601.7	625.7	651.8
62.5°	615.0	593.9	576.0	561.9	553.7	552.9	557.8	570.0	588.4	611.8	637.5
63°	600.7	580.2	562.3	548.8	541.3	540.1	545.1	557.0	575.0	597.9	623.1
63.5°	586.5	566.3	549.1	536.0	529.0	527.7	532.7	544.2	561.8	584.3	609.1
64°	571.7	552.6	536.7	523.5	516.5	515.5	520.1	531.6	548.4	570.7	594.5
64.5°	557.6	539.0	523.3	510.7	503.8	503.2	507.9	518.9	535.5	556.8	580.4
65°	543.5	525.5	510.2	498.4	491.9	490.9	495.8	506.5	522.7	543.3	566.2
65.5°	529.4	512.2	497.8	486.1	479.6	478.8	483.6	494.0	510.1	529.8	552.1
66°	515.7	498.9	485.1	473.4	467.2	466.5	470.9	481.3	496.9	516.5	537.9



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	473.3	458.8	446.5	437.0	431.7	431.1	435.5	444.9	458.8	476.6	495.6
68°	459.6	445.9	434.0	424.8	420.1	419.8	423.9	433.0	446.1	463.5	482.3
68.5°	446.2	432.8	421.6	413.1	408.6	407.8	412.1	421.2	434.0	450.6	468.8
69°	432.5	419.8	409.4	401.3	396.9	396.7	400.5	409.3	421.6	437.5	455.3
69.5°	418.9	407.1	397.1	389.3	385.0	385.0	388.9	397.4	409.3	424.4	441.4
70°	405.7	394.4	385.2	377.6	373.9	374.1	377.7	385.6	397.0	411.5	427.7
70.5°	391.9	381.8	373.0	366.4	362.9	363.0	366.6	374.0	384.9	399.1	413.9
71°	378.8	369.2	361.3	355.0	351.7	351.8	355.3	362.6	373.1	386.2	401.1
71.5°	365.8	356.8	349.4	343.6	340.5	340.7	344.3	351.1	361.3	373.8	387.5
72°	352.7	344.6	337.7	332.4	329.7	330.2	333.4	340.0	349.6	361.5	374.6
72.5°	339.5	332.3	326.1	321.3	318.9	319.2	322.6	328.9	337.9	349.1	361.2
73°	326.9	320.3	314.6	310.2	308.0	308.6	311.6	317.8	326.0	336.9	348.9
73.5°	314.1	308.3	303.0	299.3	297.6	297.9	301.2	306.6	314.8	324.7	335.6
74°	301.3	296.3	292.0	288.7	286.9	288.0	290.6	296.0	303.5	312.9	322.8
74.5°	288.8	284.6	280.8	278.2	276.7	277.7	280.4	285.4	292.3	300.9	309.9
75°	276.7	273.2	270.0	267.5	266.5	267.4	270.0	274.7	281.2	289.1	297.9
75.5°	264.6	261.7	258.9	257.3	256.5	257.3	259.8	264.2	270.1	277.4	285.4
76°	252.3	250.4	248.6	246.9	246.3	247.4	249.7	254.0	259.6	265.9	273.2
76.5°	240.4	239.2	238.0	236.9	236.6	237.6	239.9	243.8	248.7	254.5	261.0
77°	228.9	228.2	227.8	227.0	226.9	228.0	230.2	233.7	238.2	243.3	249.1
77.5°	217.1	217.5	217.4	217.4	217.6	218.7	220.9	223.8	227.9	232.3	236.8
78°	205.9	207.1	207.5	207.8	208.5	209.5	211.4	214.3	217.9	221.6	225.4
78.5°	195.0	197.0	197.8	198.4	199.4	200.6	202.3	204.8	207.6	211.0	213.9
79°	184.1	186.6	188.2	189.4	190.3	191.7	193.3	195.6	197.9	200.4	202.8
79.5°	173.7	176.9	179.0	180.5	181.7	183.0	184.9	186.5	188.4	190.3	191.4
80°	163.6	167.8	170.5	172.2	173.8	174.8	176.2	177.5	179.3	180.2	180.9
80.5°	153.4	158.6	161.9	164.2	165.9	166.9	168.2	169.2	170.7	170.7	170.8
81°	143.2	149.4	153.3	156.1	157.9	159.1	160.3	161.2	162.1	161.6	160.7
81.5°	133.7	140.2	144.7	148.0	150.0	151.2	152.4	153.2	153.4	152.4	150.6
82°	124.8	131.4	136.2	139.9	142.1	143.4	144.4	145.2	144.8	143.2	140.6
82.5°	115.8	123.2	128.3	132.1	134.7	136.2	137.1	137.2	136.3	134.3	130.7
83°	107.0	114.9	120.7	124.7	127.4	129.0	129.8	129.6	128.3	125.7	121.7
83.5°	98.8	107.0	113.2	117.5	120.2	121.8	122.6	122.2	120.7	117.4	112.7
84°	90.8	99.5	106.0	110.6	113.4	115.1	115.7	115.2	113.1	109.4	104.2
84.5°	83.2	92.5	99.1	103.8	106.9	108.5	109.0	108.2	106.0	101.7	95.7
85°	76.1	85.5	92.4	97.3	100.6	102.2	102.5	101.5	98.9	94.4	88.0
85.5°	69.3	78.9	86.0	91.1	94.3	95.8	96.1	95.1	92.2	87.4	80.5
86°	62.9	72.5	79.9	85.2	88.4	90.0	90.4	89.0	85.7	80.5	73.4
86.5°	56.8	66.6	74.2	79.4	82.7	84.4	84.6	83.0	79.7	74.1	66.4
87°	51.2	61.1	68.6	74.0	77.5	79.1	79.1	77.4	73.8	68.1	60.1
87.5°	45.9	55.8	63.5	68.9	72.3	73.9	73.8	72.1	68.3	62.4	54.2
88°	41.2	51.0	58.6	64.1	67.5	69.0	69.0	67.1	63.1	57.1	48.7
88.5°	36.9	46.5	54.0	59.5	62.8	64.3	64.2	62.2	58.3	52.1	43.7



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	26.3	35.0	42.1	47.4	50.7	52.1	51.8	49.5	45.3	39.1	30.9
90.5°	23.6	31.9	38.8	43.9	47.2	48.5	48.1	45.9	41.7	35.5	27.5
91°	21.2	29.1	35.8	40.8	43.9	45.2	44.8	42.5	38.3	32.2	24.5
91.5°	19.3	26.7	33.0	37.8	40.9	42.1	41.6	39.4	35.3	29.3	22.0
92°	18.0	24.6	30.6	35.1	38.1	39.3	38.8	36.5	32.5	26.8	19.7
92.5°	16.9	22.7	28.3	32.8	35.6	36.6	36.2	34.0	30.0	24.6	18.3
93°	15.7	21.1	26.5	30.6	33.3	34.3	33.9	31.7	27.9	22.6	17.1
93.5°	14.6	19.7	24.9	28.7	31.3	32.3	31.7	29.7	26.0	21.0	15.8
94°	13.4	18.7	23.5	27.1	29.5	30.5	29.9	27.8	24.3	19.6	14.5
94.5°	12.7	17.8	22.2	25.8	28.0	28.8	28.3	26.3	22.9	18.4	13.2
95°	12.3	17.0	21.2	24.5	26.6	27.4	26.8	24.9	21.7	17.4	12.5
95.5°	11.8	16.3	20.3	23.4	25.4	26.1	25.5	23.7	20.6	16.5	12.0
96°	11.4	15.8	19.5	22.4	24.3	24.9	24.4	22.6	19.7	15.9	11.6
96.5°	11.1	15.3	18.8	21.5	23.3	23.9	23.4	21.7	18.9	15.3	11.1
97°	10.8	14.9	18.2	20.7	22.4	23.0	22.5	21.0	18.2	14.7	10.7
97.5°	10.6	14.4	17.6	20.1	21.6	22.2	21.8	20.3	17.7	14.1	10.2
98°	10.5	13.9	17.0	19.4	20.9	21.5	21.1	19.7	17.2	13.5	9.7
98.5°	10.3	13.6	16.6	18.9	20.3	20.9	20.5	19.1	16.6	13.0	9.4
99°	10.2	13.3	16.2	18.3	19.7	20.3	19.9	18.5	16.0	12.6	9.2
99.5°	10.0	13.1	15.8	17.9	19.2	19.7	19.3	17.9	15.6	12.2	9.1
100°	9.9	12.9	15.5	17.5	18.7	19.2	18.7	17.3	15.1	11.9	9.0
100.5°	9.8	12.7	15.2	17.1	18.3	18.7	18.2	16.8	14.7	11.7	8.9
101°	9.6	12.6	15.0	16.8	17.9	18.3	17.7	16.4	14.2	11.5	8.8
101.5°	9.5	12.4	14.7	16.4	17.5	17.9	17.3	15.9	13.8	11.4	8.7
102°	9.3	12.2	14.5	16.1	17.1	17.5	16.9	15.6	13.6	11.2	8.5
102.5°	9.1	12.1	14.2	15.9	16.8	17.1	16.6	15.4	13.4	11.1	8.4
103°	8.9	11.9	14.0	15.6	16.6	16.9	16.4	15.2	13.2	11.0	8.2
103.5°	8.7	11.7	13.8	15.4	16.3	16.6	16.2	15.0	13.1	10.8	7.9
104°	8.5	11.5	13.6	15.2	16.1	16.4	15.9	14.8	12.9	10.7	7.7
104.5°	8.3	11.3	13.4	14.9	15.8	16.2	15.7	14.6	12.8	10.5	7.5
105°	8.2	11.0	13.2	14.7	15.6	16.0	15.5	14.4	12.7	10.3	7.2
105.5°	8.0	10.8	13.0	14.4	15.4	15.8	15.4	14.2	12.5	10.1	7.0
106°	7.8	10.6	12.7	14.2	15.1	15.6	15.2	14.0	12.3	9.8	6.8
106.5°	7.6	10.3	12.5	14.0	14.9	15.4	15.0	13.8	12.1	9.5	6.7
107°	7.5	10.1	12.2	13.7	14.6	15.1	14.7	13.6	11.8	9.3	6.5
107.5°	7.3	9.9	11.9	13.5	14.4	14.8	14.5	13.4	11.5	9.0	6.3
108°	7.1	9.7	11.7	13.2	14.1	14.5	14.2	13.1	11.2	8.8	6.1
108.5°	6.9	9.5	11.4	12.9	13.8	14.3	13.9	12.8	10.9	8.5	6.0
109°	6.7	9.3	11.2	12.6	13.6	14.0	13.7	12.5	10.6	8.3	5.8
109.5°	6.5	9.1	11.0	12.3	13.2	13.7	13.3	12.2	10.3	8.1	5.7
110°	6.3	8.9	10.7	12.1	12.9	13.3	13.0	11.9	10.0	7.9	5.5
110.5°	6.1	8.6	10.4	11.8	12.6	13.0	12.7	11.6	9.8	7.7	5.4
111°	5.9	8.4	10.2	11.5	12.3	12.7	12.4	11.3	9.5	7.5	5.2



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	5.3	7.7	9.6	10.8	11.5	11.8	11.5	10.5	8.8	7.0	4.7
113°	5.1	7.5	9.4	10.5	11.2	11.5	11.2	10.2	8.6	6.8	4.5
113.5°	4.9	7.2	9.1	10.3	11.0	11.3	11.0	10.0	8.4	6.7	4.4
114°	4.7	7.0	8.9	10.1	10.8	11.0	10.7	9.7	8.1	6.5	4.2
114.5°	4.6	6.8	8.7	9.8	10.5	10.8	10.5	9.5	7.9	6.3	4.1
115°	4.5	6.5	8.4	9.6	10.3	10.5	10.2	9.2	7.7	6.1	4.0
115.5°	4.4	6.3	8.2	9.4	10.1	10.2	10.0	9.0	7.5	5.9	3.9
116°	4.3	6.0	8.0	9.2	9.8	10.0	9.7	8.7	7.3	5.6	3.8
116.5°	4.2	5.8	7.7	9.0	9.6	9.7	9.4	8.5	7.1	5.5	3.7
117°	4.1	5.6	7.4	8.7	9.4	9.5	9.2	8.2	6.9	5.3	3.7
117.5°	4.1	5.4	7.1	8.5	9.2	9.3	9.0	8.0	6.6	5.1	3.6
118°	4.0	5.2	6.9	8.2	8.9	9.1	8.7	7.8	6.3	5.0	3.5
118.5°	3.9	5.1	6.6	8.0	8.7	8.8	8.5	7.5	6.1	4.8	3.4
119°	3.8	4.9	6.3	7.7	8.4	8.6	8.2	7.3	5.9	4.6	3.3
119.5°	3.7	4.8	6.1	7.4	8.2	8.3	8.0	7.0	5.6	4.5	3.1
120°	3.5	4.7	5.9	7.1	7.9	8.1	7.7	6.7	5.4	4.4	3.0
120.5°	3.4	4.5	5.7	6.8	7.6	7.8	7.4	6.5	5.2	4.2	2.9
121°	3.2	4.4	5.5	6.5	7.3	7.5	7.1	6.2	5.1	4.1	2.9
121.5°	3.1	4.3	5.3	6.3	7.0	7.2	6.9	6.0	4.9	4.0	2.8
122°	3.2	4.3	5.2	6.1	6.7	6.9	6.6	5.8	4.8	3.9	2.8
122.5°	3.2	4.2	5.0	5.9	6.5	6.6	6.4	5.6	4.6	3.8	2.9
123°	3.3	4.1	4.9	5.7	6.2	6.4	6.1	5.4	4.5	3.6	2.9
123.5°	3.3	4.0	4.8	5.5	6.0	6.2	5.9	5.3	4.4	3.4	3.0
124°	3.4	3.8	4.6	5.4	5.8	6.0	5.7	5.1	4.2	3.2	3.0
124.5°	3.5	3.6	4.5	5.2	5.6	5.7	5.6	5.0	4.2	3.1	3.1
125°	3.5	3.4	4.4	5.1	5.5	5.6	5.4	4.9	4.1	2.9	3.1
125.5°	3.6	3.2	4.3	5.0	5.3	5.4	5.3	4.7	3.9	2.8	3.2
126°	3.7	3.1	4.2	4.8	5.2	5.3	5.1	4.6	3.8	2.7	3.2
126.5°	3.7	3.1	4.0	4.7	5.0	5.1	5.0	4.5	3.6	2.6	3.3
127°	3.8	3.2	3.8	4.6	4.9	5.0	4.9	4.4	3.4	2.7	3.3
127.5°	3.9	3.2	3.7	4.5	4.8	4.9	4.8	4.3	3.2	2.7	3.3
128°	3.9	3.3	3.5	4.3	4.7	4.8	4.7	4.1	3.1	2.8	3.4
128.5°	4.0	3.3	3.3	4.1	4.6	4.6	4.5	3.9	3.0	2.8	3.4
129°	4.1	3.4	3.1	3.9	4.5	4.5	4.4	3.7	2.9	2.9	3.4
129.5°	4.1	3.4	3.1	3.7	4.3	4.4	4.2	3.5	2.8	2.9	3.4
130°	4.2	3.5	3.1	3.6	4.0	4.2	4.0	3.4	2.8	3.0	3.4
130.5°	4.2	3.5	3.2	3.4	3.8	3.9	3.7	3.2	2.9	3.0	3.4
131°	4.2	3.6	3.2	3.2	3.7	3.7	3.6	3.1	2.9	3.1	3.4
131.5°	4.2	3.7	3.3	3.1	3.5	3.6	3.4	3.0	3.0	3.2	3.5
132°	4.3	3.7	3.3	3.1	3.2	3.4	3.2	3.0	3.0	3.2	3.5
132.5°	4.4	3.8	3.4	3.1	3.1	3.2	3.1	3.0	3.1	3.3	3.6
133°	4.5	3.9	3.4	3.2	3.0	3.0	3.0	3.1	3.1	3.4	3.7
133.5°	4.6	3.9	3.5	3.2	3.1	3.0	3.1	3.1	3.2	3.5	3.8



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	4.8	4.1	3.6	3.4	3.2	3.1	3.2	3.2	3.4	3.7	4.1
135.5°	4.9	4.2	3.7	3.4	3.3	3.2	3.2	3.3	3.4	3.7	4.2
136°	4.9	4.2	3.7	3.5	3.3	3.2	3.3	3.3	3.5	3.8	4.2
136.5°	5.0	4.3	3.8	3.5	3.3	3.3	3.3	3.4	3.5	3.8	4.2
137°	5.0	4.4	3.9	3.6	3.4	3.3	3.4	3.4	3.6	3.9	4.2
137.5°	5.0	4.5	3.9	3.6	3.5	3.4	3.4	3.5	3.7	4.0	4.2
138°	4.9	4.5	4.0	3.7	3.5	3.4	3.5	3.5	3.8	4.1	4.1
138.5°	4.8	4.6	4.1	3.7	3.5	3.5	3.6	3.6	3.8	4.2	4.0
139°	4.8	4.7	4.1	3.8	3.6	3.5	3.6	3.6	3.9	4.3	4.0
139.5°	4.8	4.7	4.2	3.8	3.7	3.6	3.6	3.7	4.0	4.4	3.9
140°	4.8	4.8	4.3	3.9	3.7	3.6	3.7	3.8	4.1	4.4	3.9
140.5°	4.8	4.9	4.4	3.9	3.8	3.7	3.8	3.9	4.2	4.5	3.9
141°	4.7	4.9	4.5	4.0	3.8	3.8	3.8	3.9	4.3	4.5	3.9
141.5°	4.7	5.0	4.7	4.1	3.9	3.8	3.9	4.0	4.5	4.5	3.9
142°	4.7	5.0	4.7	4.2	3.9	3.9	3.9	4.1	4.5	4.4	3.9
142.5°	4.8	4.8	4.7	4.3	4.0	3.9	4.0	4.2	4.6	4.3	3.9
143°	4.8	4.7	4.8	4.4	4.1	4.0	4.1	4.4	4.6	4.2	3.9
143.5°	4.8	4.7	4.8	4.6	4.2	4.1	4.2	4.5	4.6	4.2	3.9
144°	4.8	4.7	4.9	4.7	4.3	4.2	4.4	4.7	4.7	4.2	3.9
144.5°	4.8	4.6	4.9	4.8	4.5	4.4	4.6	4.7	4.7	4.2	3.9
145°	4.7	4.6	4.9	4.8	4.6	4.6	4.7	4.7	4.6	4.2	3.9
145.5°	4.7	4.6	4.7	4.8	4.7	4.7	4.7	4.7	4.4	4.1	3.9
146°	4.7	4.6	4.6	4.9	4.7	4.7	4.8	4.8	4.4	4.1	3.9
146.5°	4.8	4.6	4.6	4.9	4.8	4.8	4.8	4.8	4.3	4.1	3.9
147°	4.8	4.6	4.6	4.8	4.9	4.9	4.9	4.7	4.3	4.1	3.9
147.5°	4.8	4.6	4.6	4.7	4.9	5.0	4.9	4.6	4.3	4.1	3.8
148°	4.8	4.6	4.6	4.6	4.8	4.9	4.8	4.5	4.3	4.1	3.8
148.5°	4.8	4.6	4.6	4.6	4.6	4.7	4.7	4.5	4.3	4.1	3.8
149°	4.8	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.3	4.1	3.8
149.5°	4.8	4.6	4.6	4.6	4.5	4.6	4.6	4.5	4.3	4.0	3.8
150°	4.8	4.6	4.6	4.6	4.5	4.6	4.6	4.5	4.3	4.0	3.8
150.5°	4.7	4.6	4.6	4.6	4.5	4.6	4.6	4.5	4.3	4.0	3.8
151°	4.7	4.6	4.6	4.6	4.5	4.6	4.5	4.5	4.3	4.0	3.8
151.5°	4.8	4.5	4.5	4.6	4.5	4.5	4.6	4.5	4.2	4.0	3.9
152°	4.9	4.5	4.5	4.6	4.5	4.6	4.6	4.4	4.2	3.9	3.9
152.5°	5.0	4.5	4.5	4.5	4.5	4.6	4.6	4.4	4.2	4.0	3.9
153°	5.0	4.5	4.5	4.5	4.5	4.6	4.6	4.4	4.2	4.0	3.9
153.5°	5.0	4.5	4.5	4.5	4.5	4.6	4.5	4.4	4.2	4.0	3.9
154°	5.0	4.6	4.4	4.5	4.5	4.5	4.5	4.4	4.2	4.0	4.0
154.5°	5.1	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.2	4.0	4.0
155°	5.1	4.7	4.5	4.4	4.5	4.5	4.4	4.4	4.2	4.0	4.0
155.5°	4.9	4.8	4.5	4.4	4.4	4.5	4.4	4.4	4.2	4.1	4.0
156°	4.8	4.8	4.5	4.4	4.4	4.5	4.4	4.4	4.3	4.1	4.1



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	5.1	4.8	4.7	4.5	4.4	4.5	4.5	4.4	4.4	4.3	4.2
158°	4.9	4.7	4.7	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.2
158.5°	4.6	4.6	4.7	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.3
159°	4.5	4.6	4.8	4.7	4.5	4.5	4.5	4.6	4.5	4.5	4.3
159.5°	4.5	4.6	4.9	4.7	4.6	4.6	4.6	4.6	4.6	4.5	4.4
160°	4.4	4.6	4.9	4.8	4.6	4.6	4.6	4.6	4.7	4.6	4.4
160.5°	4.4	4.6	4.9	4.8	4.7	4.7	4.7	4.7	4.8	4.7	4.5
161°	4.4	4.6	4.8	4.9	4.7	4.7	4.7	4.8	4.8	4.7	4.5
161.5°	4.4	4.5	4.7	5.0	4.8	4.8	4.8	4.9	4.9	4.8	4.6
162°	4.3	4.4	4.7	5.0	4.9	4.9	4.9	5.0	5.0	4.8	4.6
162.5°	4.3	4.4	4.6	5.0	5.0	4.9	5.0	5.0	5.0	4.9	4.5
163°	4.3	4.4	4.6	5.0	5.0	5.0	5.0	5.0	5.1	4.9	4.5
163.5°	4.2	4.4	4.5	4.9	5.1	5.1	5.1	5.1	5.1	4.9	4.6
164°	4.2	4.4	4.4	4.8	5.1	5.1	5.2	5.2	5.1	5.0	4.6
164.5°	4.2	4.4	4.4	4.7	5.1	5.2	5.2	5.2	5.2	5.1	4.0
165°	4.1	4.3	4.4	4.7	5.2	5.2	5.2	5.3	5.2	4.7	3.8
165.5°	4.1	4.3	4.4	4.6	5.1	5.2	5.3	5.3	5.1	4.0	4.4
166°	4.0	4.3	4.3	4.4	5.0	5.3	5.3	5.3	5.1	4.1	4.6
166.5°	4.0	4.4	4.3	4.3	5.0	5.3	5.3	5.3	5.1	4.7	4.0
167°	4.0	4.6	4.4	4.3	4.9	5.3	5.3	5.4	4.5	4.6	3.5
167.5°	3.9	4.7	4.5	4.3	4.8	5.3	5.3	5.4	4.0	3.8	4.1
168°	4.1	4.7	4.6	4.2	4.7	5.3	5.3	5.3	4.5	3.6	4.5
168.5°	4.2	4.7	4.9	4.3	4.4	5.2	5.2	5.2	4.9	4.5	4.2
169°	4.2	4.7	4.9	4.3	4.2	5.2	5.2	5.1	3.9	4.6	4.2
169.5°	4.1	4.6	4.8	4.4	4.2	5.0	5.2	4.8	3.4	4.5	4.3
170°	4.2	4.5	4.7	4.6	4.1	4.9	5.1	4.1	4.6	4.5	4.3
170.5°	4.3	4.4	4.6	4.7	4.1	4.8	5.1	4.0	4.6	4.6	4.3
171°	4.2	4.4	4.5	4.7	4.1	4.7	5.0	4.0	4.4	4.5	4.3
171.5°	4.2	4.3	4.5	4.6	4.1	4.5	4.9	3.5	4.6	4.4	4.3
172°	4.1	4.3	4.4	4.5	4.3	4.0	4.8	3.7	4.6	4.4	4.2
172.5°	4.1	4.2	4.3	4.5	4.3	3.9	4.6	4.2	4.4	4.3	4.1
173°	4.0	4.2	4.3	4.4	4.4	3.9	4.4	4.2	4.4	4.2	4.0
173.5°	4.0	4.1	4.2	4.3	4.3	3.8	3.7	4.3	4.2	4.0	3.9
174°	4.0	4.1	4.1	4.2	4.3	3.7	3.2	4.2	4.1	3.9	3.8
174.5°	4.0	4.0	4.1	4.1	4.2	3.6	3.0	4.1	4.0	3.9	3.8
175°	4.0	4.0	4.0	4.1	4.1	3.5	3.5	4.0	3.9	3.8	3.8
175.5°	3.9	3.9	4.0	4.0	4.1	3.6	3.9	3.9	3.8	3.8	3.7
176°	3.9	3.9	3.9	4.0	3.9	3.5	3.9	3.8	3.7	3.7	3.7
176.5°	3.9	3.9	3.9	3.8	3.8	3.5	3.7	3.7	3.8	3.7	3.7
177°	3.8	3.8	3.7	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7
177.5°	3.7	3.7	3.7	3.6	3.7	1.5	3.7	3.7	3.7	3.7	3.7
178°	3.7	3.7	3.7	3.7	3.7	2.2	3.7	3.7	3.7	3.7	3.7
178.5°	3.7	3.7	3.7	3.7	3.4	2.9	3.5	3.7	3.7	3.7	3.7



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-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: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1943.8	1943.8	1943.8	1943.8
0.5°	1943.4	1943.4	1943.3	1943.3
1°	1943.0	1943.1	1943.0	1943.1
1.5°	1942.6	1942.8	1942.8	1943.2
2°	1941.0	1941.9	1942.6	1942.8
2.5°	1939.3	1939.8	1941.4	1942.1
3°	1937.9	1939.1	1940.6	1940.7
3.5°	1937.1	1938.8	1939.2	1939.4
4°	1935.7	1937.7	1937.8	1938.6
4.5°	1932.9	1935.2	1935.7	1936.5
5°	1931.4	1932.8	1934.4	1935.3
5.5°	1930.0	1930.7	1932.6	1934.0
6°	1926.9	1929.4	1930.5	1932.5
6.5°	1924.0	1925.7	1928.2	1930.4
7°	1922.5	1923.1	1926.7	1928.5
7.5°	1918.9	1921.2	1922.4	1925.8
8°	1915.1	1917.8	1920.9	1923.8
8.5°	1911.2	1914.2	1918.1	1920.2
9°	1908.1	1910.8	1914.6	1918.1
9.5°	1904.4	1907.3	1911.0	1914.6
10°	1899.8	1902.8	1907.7	1910.7
10.5°	1896.0	1899.9	1903.2	1907.2
11°	1891.4	1896.5	1900.5	1903.2
11.5°	1886.9	1891.9	1896.9	1899.0
12°	1882.4	1887.4	1893.0	1895.1
12.5°	1877.0	1882.5	1888.1	1891.4
13°	1871.6	1877.4	1883.5	1886.9
13.5°	1866.5	1872.4	1879.1	1881.9
14°	1860.9	1867.4	1873.6	1877.2
14.5°	1855.0	1862.8	1868.3	1872.5
15°	1849.1	1856.7	1862.9	1867.0
15.5°	1842.6	1850.4	1857.4	1862.1
16°	1836.2	1844.6	1852.4	1856.0
16.5°	1829.5	1838.1	1847.0	1849.4
17°	1823.3	1831.8	1840.3	1843.2
17.5°	1816.4	1825.5	1833.1	1838.1
18°	1809.7	1819.2	1826.8	1832.4
18.5°	1802.7	1812.6	1820.5	1825.3
19°	1794.9	1805.4	1813.8	1818.5
19.5°	1786.4	1798.2	1806.9	1811.7
20°	1778.7	1790.6	1799.4	1804.9
20.5°	1771.3	1782.6	1792.3	1798.0
21°	1763.8	1774.5	1784.3	1791.1



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
22.5°	1737.2	1750.4	1761.5	1767.3
23°	1728.3	1741.9	1752.9	1760.2
23.5°	1719.3	1732.9	1744.2	1751.4
24°	1710.1	1724.4	1735.8	1743.0
24.5°	1700.4	1715.3	1727.3	1735.0
25°	1691.1	1705.8	1718.6	1726.4
25.5°	1680.7	1696.9	1709.0	1717.1
26°	1671.7	1687.2	1700.0	1708.1
26.5°	1661.3	1677.4	1690.6	1698.7
27°	1651.2	1667.7	1680.7	1689.3
27.5°	1640.3	1658.5	1671.0	1680.0
28°	1629.9	1647.5	1661.4	1669.8
28.5°	1619.0	1637.1	1651.2	1660.0
29°	1607.4	1626.5	1641.1	1650.8
29.5°	1597.3	1615.5	1630.4	1640.7
30°	1586.1	1605.3	1619.9	1629.9
30.5°	1574.3	1593.9	1609.4	1619.7
31°	1562.3	1583.2	1598.6	1609.3
31.5°	1551.3	1571.1	1587.5	1598.4
32°	1539.2	1559.8	1576.0	1586.6
32.5°	1527.4	1548.2	1564.8	1575.4
33°	1515.7	1537.1	1553.2	1564.6
33.5°	1504.0	1525.9	1541.5	1552.9
34°	1491.0	1513.5	1529.9	1540.9
34.5°	1478.9	1500.9	1517.6	1528.7
35°	1466.6	1489.1	1506.0	1517.4
35.5°	1453.6	1476.6	1493.8	1505.7
36°	1440.7	1464.3	1481.4	1493.4
36.5°	1427.9	1451.4	1470.0	1480.8
37°	1415.1	1438.5	1457.7	1468.6
37.5°	1402.3	1425.8	1445.4	1456.7
38°	1389.0	1413.0	1431.8	1444.8
38.5°	1374.4	1400.2	1418.2	1431.3
39°	1360.5	1386.7	1404.7	1417.4
39.5°	1347.0	1373.0	1391.4	1403.7
40°	1333.4	1359.7	1378.8	1390.5
40.5°	1319.9	1346.3	1365.8	1378.0
41°	1305.6	1332.3	1351.8	1364.6
41.5°	1291.8	1318.1	1338.5	1350.7
42°	1277.1	1304.3	1324.7	1337.4
42.5°	1262.9	1290.5	1310.5	1324.0
43°	1248.6	1276.1	1296.5	1310.0
43.5°	1234.4	1261.8	1282.8	1295.4



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
45°	1190.5	1219.4	1240.1	1252.8
45.5°	1176.2	1204.6	1225.2	1239.0
46°	1161.3	1190.1	1210.7	1224.0
46.5°	1146.7	1175.5	1196.0	1208.8
47°	1132.4	1160.8	1181.6	1194.0
47.5°	1117.1	1146.2	1166.8	1179.8
48°	1102.5	1130.6	1151.6	1165.5
48.5°	1087.0	1116.2	1137.1	1150.2
49°	1072.2	1101.3	1122.3	1135.9
49.5°	1057.5	1085.9	1107.1	1120.7
50°	1042.0	1070.8	1091.8	1105.6
50.5°	1027.0	1056.0	1076.6	1090.1
51°	1012.6	1040.4	1061.8	1075.2
51.5°	997.5	1025.8	1046.9	1059.8
52°	981.9	1010.3	1030.9	1044.9
52.5°	966.7	995.0	1016.1	1029.2
53°	951.5	979.8	1000.3	1013.9
53.5°	936.7	964.4	985.2	998.5
54°	921.6	949.0	969.7	983.1
54.5°	906.6	933.8	954.3	967.4
55°	891.7	918.6	938.9	951.5
55.5°	875.4	903.6	923.2	936.5
56°	860.4	887.2	907.4	920.5
56.5°	845.6	872.5	892.4	905.1
57°	830.6	857.0	876.7	890.0
57.5°	815.0	841.7	861.4	873.8
58°	799.9	825.6	845.2	857.9
58.5°	784.7	810.3	829.7	842.6
59°	770.2	794.8	814.1	826.6
59.5°	754.5	779.4	798.7	811.0
60°	739.4	763.8	783.1	794.9
60.5°	724.0	748.6	767.3	779.3
61°	709.4	733.3	751.4	763.5
61.5°	694.0	717.8	735.6	747.9
62°	679.1	702.4	720.0	732.0
62.5°	664.1	687.3	704.3	716.2
63°	649.5	671.7	688.6	700.4
63.5°	634.3	656.3	673.1	684.8
64°	619.0	641.0	657.3	668.8
64.5°	604.3	625.6	642.1	652.6
65°	589.9	610.1	626.4	636.6
65.5°	574.7	595.1	610.5	620.4
66°	560.6	580.2	594.9	604.3



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
67.5°	516.4	534.6	548.6	557.2
68°	501.7	519.1	532.8	541.8
68.5°	487.1	504.3	517.0	526.0
69°	473.2	488.9	501.9	510.2
69.5°	458.7	473.9	486.3	494.7
70°	444.2	459.2	471.2	478.9
70.5°	429.9	444.4	455.7	463.3
71°	415.9	429.4	440.6	448.0
71.5°	401.8	414.6	425.2	432.5
72°	387.7	400.0	409.9	417.3
72.5°	373.7	385.6	394.5	402.0
73°	359.9	370.7	379.7	386.4
73.5°	346.6	356.7	364.9	370.8
74°	332.9	342.0	350.0	356.0
74.5°	319.1	327.7	335.2	340.9
75°	305.7	313.2	320.2	326.0
75.5°	292.5	299.5	305.4	310.8
76°	279.7	285.4	291.6	296.0
76.5°	266.5	271.9	276.7	281.5
77°	253.8	258.0	262.7	267.0
77.5°	240.9	244.7	248.5	252.3
78°	228.5	231.0	234.7	238.4
78.5°	216.3	218.2	220.5	224.1
79°	204.2	205.3	207.1	210.1
79.5°	192.4	192.8	194.2	196.3
80°	181.3	180.8	181.5	183.4
80.5°	170.2	168.9	169.0	169.9
81°	159.2	156.9	156.4	156.9
81.5°	148.1	145.0	143.7	144.2
82°	137.0	133.1	131.2	131.7
82.5°	126.7	122.1	119.3	118.9
83°	116.4	111.4	108.2	107.7
83.5°	106.7	100.8	96.9	96.4
84°	97.3	90.6	86.3	85.6
84.5°	88.6	81.1	76.0	74.9
85°	79.9	71.9	66.5	65.2
85.5°	72.0	63.3	57.2	56.6
86°	64.4	55.2	48.6	48.2
86.5°	57.3	47.6	40.5	39.7
87°	50.5	40.5	33.1	31.3
87.5°	44.5	34.1	27.9	24.0
88°	38.8	28.6	22.7	17.4
88.5°	33.7	24.8	17.5	11.7



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
90°	21.6	13.5	5.0	3.7
90.5°	19.5	9.9	3.4	2.0
91°	17.3	8.1	2.4	0.4
91.5°	15.2	6.8	2.0	0.3
92°	13.1	5.9	1.7	0.3
92.5°	11.0	5.3	1.5	0.2
93°	10.0	4.9	1.4	0.2
93.5°	9.3	4.6	1.3	0.2
94°	8.7	4.2	1.2	0.3
94.5°	8.3	4.0	1.2	0.3
95°	7.9	3.8	1.2	0.4
95.5°	7.4	3.8	1.2	0.5
96°	7.0	3.7	1.2	0.6
96.5°	6.7	3.7	1.1	0.6
97°	6.5	3.7	1.1	0.7
97.5°	6.4	3.5	1.1	0.8
98°	6.4	3.3	1.1	0.8
98.5°	6.4	3.2	1.0	0.9
99°	6.3	3.1	1.1	1.0
99.5°	6.2	3.0	1.1	1.1
100°	6.1	3.0	1.2	1.2
100.5°	6.0	3.0	1.3	1.4
101°	5.7	3.0	1.4	1.5
101.5°	5.5	3.0	1.5	1.6
102°	5.3	2.9	1.6	1.7
102.5°	5.2	2.8	1.7	1.8
103°	5.0	2.7	1.7	1.9
103.5°	4.8	2.6	1.8	2.0
104°	4.7	2.5	1.9	2.0
104.5°	4.6	2.4	1.9	2.0
105°	4.5	2.3	2.0	2.1
105.5°	4.5	2.3	2.1	2.0
106°	4.3	2.2	2.2	2.0
106.5°	4.2	2.2	2.6	2.0
107°	4.1	2.0	2.7	2.0
107.5°	3.9	2.0	2.5	2.0
108°	3.7	2.0	2.5	2.0
108.5°	3.6	2.0	2.5	2.0
109°	3.4	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	2.0	2.4	2.1
111°	3.0	2.1	2.4	2.1



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	2.8	2.2	2.4	2.1
113°	2.8	2.2	2.5	2.2
113.5°	2.6	2.3	2.5	2.2
114°	2.5	2.4	2.5	2.2
114.5°	2.5	2.4	2.5	2.3
115°	2.4	2.5	2.6	2.3
115.5°	2.4	2.5	2.6	2.3
116°	2.4	2.6	2.6	2.3
116.5°	2.4	2.6	2.6	2.3
117°	2.5	2.7	2.6	2.3
117.5°	2.5	2.9	2.6	2.3
118°	2.6	3.1	2.6	2.3
118.5°	2.7	3.2	2.6	2.3
119°	2.7	3.3	2.6	2.4
119.5°	2.8	3.2	2.7	2.4
120°	2.8	3.2	2.7	2.4
120.5°	2.9	3.2	2.8	2.4
121°	2.9	3.2	2.8	2.5
121.5°	2.9	3.2	2.8	2.5
122°	3.0	3.2	2.8	2.5
122.5°	3.0	3.2	2.8	2.5
123°	3.0	3.1	2.8	2.5
123.5°	3.0	3.0	2.8	2.6
124°	3.1	2.9	2.9	2.6
124.5°	3.2	2.9	2.9	2.6
125°	3.3	3.0	3.0	2.6
125.5°	3.4	3.1	3.0	2.7
126°	3.6	3.3	3.0	2.7
126.5°	3.7	3.4	3.0	2.7
127°	3.9	3.4	3.1	2.7
127.5°	4.0	3.5	3.1	2.8
128°	4.1	3.5	3.1	2.8
128.5°	4.1	3.5	3.2	2.8
129°	4.0	3.5	3.2	2.8
129.5°	4.0	3.5	3.2	2.9
130°	4.0	3.5	3.2	2.9
130.5°	4.0	3.5	3.1	2.9
131°	3.9	3.5	2.9	2.9
131.5°	3.8	3.5	2.9	2.9
132°	3.7	3.5	2.9	2.9
132.5°	3.7	3.5	3.1	2.9
133°	3.6	3.5	3.2	2.9
133.5°	3.6	3.4	3.3	3.0



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-3500K

**CANDELA DISTRIBUTION (continued):**

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





TEST NUMBER: P563549

CATALOG NUMBER: 4NWS3C3MS-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°	1783.7	1787.9	1787.5	1784.2	1777.7	1770.0	1761.7	1754.8	1749.0	1746.1	1745.0
22°	1775.2	1779.8	1779.7	1775.9	1769.5	1761.4	1752.4	1745.3	1740.1	1736.1	1735.3



44°	1281.3	1286.0	1280.0	1266.4	1244.5	1217.5	1190.1	1166.5	1149.3	1140.7	1141.9
44.5°	1267.1	1271.1	1266.1	1251.8	1229.8	1202.3	1175.4	1151.4	1134.1	1125.8	1125.7





66.5°	588.5	594.0	592.5	584.3	570.9	552.3	535.3	520.3	509.4	503.0	501.3
67°	572.7	577.8	577.2	569.7	556.3	538.9	522.7	507.8	496.8	490.9	489.7



89°	7.2	14.1	27.0	41.7	55.6	65.1	72.8	77.3	79.0	78.3	75.5
89.5°	5.4	10.0	22.2	36.4	50.0	60.3	68.0	71.9	73.7	73.1	70.3



111.5°	2.1	2.1	1.7	1.6	2.1	3.2	4.7	6.1	7.0	7.3	7.0
112°	2.1	2.1	1.8	1.6	2.0	3.0	4.4	5.8	6.7	7.0	6.7



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



156.5°	2.0	3.2	3.7	3.6	3.6	3.7	3.9	4.2	4.5	4.6	4.7
157°	2.0	3.1	3.7	3.7	3.7	3.7	3.8	4.1	4.4	4.5	4.6



179°	3.6	3.5	3.3	3.1	2.9	2.8	2.9	3.2	3.4	3.6	3.6
179.5°	3.3	3.2	3.2	3.2	3.1	3.2	3.2	3.3	3.4	3.4	3.4





21.5°	1746.6	1751.2	1755.3	1760.5	1765.3	1767.5	1767.6	1765.3	1760.0	1751.7	1741.2
22°	1737.0	1741.2	1746.5	1752.2	1757.5	1759.3	1759.6	1757.4	1751.4	1742.9	1732.2





44°	1150.2	1167.3	1189.4	1210.2	1228.8	1242.1	1247.3	1245.1	1236.1	1219.4	1195.1
44.5°	1135.4	1152.8	1174.4	1194.8	1214.0	1227.4	1231.9	1231.0	1222.0	1204.7	1180.0



66.5°	505.0	512.7	523.2	533.9	543.2	549.5	548.1	547.1	540.3	530.7	516.7
67°	493.0	499.9	509.9	519.7	528.2	533.2	532.9	531.4	525.0	515.5	502.3



89°	70.4	63.3	54.3	41.4	27.8	14.9	6.0	1.0	4.9	13.8	22.6
89.5°	65.7	58.8	49.2	36.9	23.9	11.9	4.7	0.8	3.6	10.3	20.5



111.5°	6.1	4.8	3.5	2.6	2.7	3.2	4.0	3.6	4.2	3.1	3.6
112°	5.9	4.6	3.4	2.6	2.7	3.4	4.0	3.7	4.3	3.2	3.6



134°	3.9	4.4	5.1	6.2	6.4	5.0	4.4	4.1	5.1	5.4	5.0
134.5°	4.0	4.5	5.2	6.4	6.3	5.0	4.4	4.1	5.1	5.4	4.9



156.5°	4.6	4.3	4.2	4.4	4.3	4.1	3.9	3.4	3.6	4.1	4.5
157°	4.5	4.3	4.2	4.4	4.2	4.0	3.7	3.4	3.6	4.0	4.5



179°	3.4	3.2	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.5	3.5
179.5°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1







21.5°	1729.9	1717.7	1707.7	1699.3	1695.2	1694.3	1696.7	1704.1	1714.7	1728.2	1741.9
22°	1720.7	1707.5	1696.8	1689.5	1685.1	1683.1	1686.5	1693.1	1704.3	1718.1	1732.5



44°	1167.8	1137.8	1111.1	1089.8	1076.9	1073.5	1080.2	1097.1	1122.8	1153.8	1188.5
44.5°	1153.3	1122.3	1095.9	1074.8	1061.3	1057.8	1064.9	1082.2	1107.8	1139.2	1173.0



66.5°	501.3	485.3	471.5	461.2	455.2	454.6	459.2	469.2	484.0	503.0	524.1
67°	487.1	471.9	459.0	449.3	443.7	443.1	447.0	457.3	471.4	489.5	510.1



89°	33.0	42.3	49.7	55.1	58.5	60.0	59.8	57.6	53.6	47.3	39.0
89.5°	29.4	38.5	45.7	51.1	54.5	55.9	55.6	53.4	49.2	42.9	34.7



111.5°	5.7	8.2	10.1	11.3	12.1	12.4	12.1	11.0	9.3	7.3	5.0
112°	5.5	7.9	9.8	11.0	11.8	12.1	11.8	10.7	9.0	7.2	4.9



134°	4.7	4.0	3.5	3.3	3.1	3.0	3.1	3.1	3.2	3.5	4.0
134.5°	4.7	4.1	3.6	3.3	3.2	3.1	3.1	3.2	3.3	3.6	4.1



156.5°	4.9	4.9	4.6	4.5	4.4	4.5	4.4	4.4	4.3	4.2	4.1
157°	5.1	4.8	4.6	4.5	4.4	4.5	4.5	4.4	4.3	4.2	4.2



179°	3.6	3.5	3.3	3.2	3.2	3.3	3.4	3.5	3.6	3.7	3.7
179.5°	3.1	3.2	3.2	3.2	3.3	3.4	3.4	3.5	3.5	3.5	3.5







21.5°	1755.0	1767.2	1776.6	1783.7
22°	1745.8	1759.5	1769.5	1775.2



44°	1220.0	1248.1	1268.0	1281.3
44.5°	1206.2	1233.3	1254.2	1267.1



66.5°	545.5	564.9	579.4	588.5
67°	530.8	549.7	564.3	572.7



89°	29.2	21.0	12.3	7.2
89.5°	25.1	17.3	7.3	5.4



111.5°	2.9	2.1	2.4	2.1
112°	2.9	2.1	2.4	2.1



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



156.5°	4.1	3.2	2.3	2.0
157°	4.1	3.2	2.3	2.0





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



(END OF REPORT)