

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: P563550

Luminaire Tested: **4NWS3C3MS-NUV-HI-4000K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563550
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-4000K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND HI LUMEN SETTING
Light Source: -
Ballast/Driver:

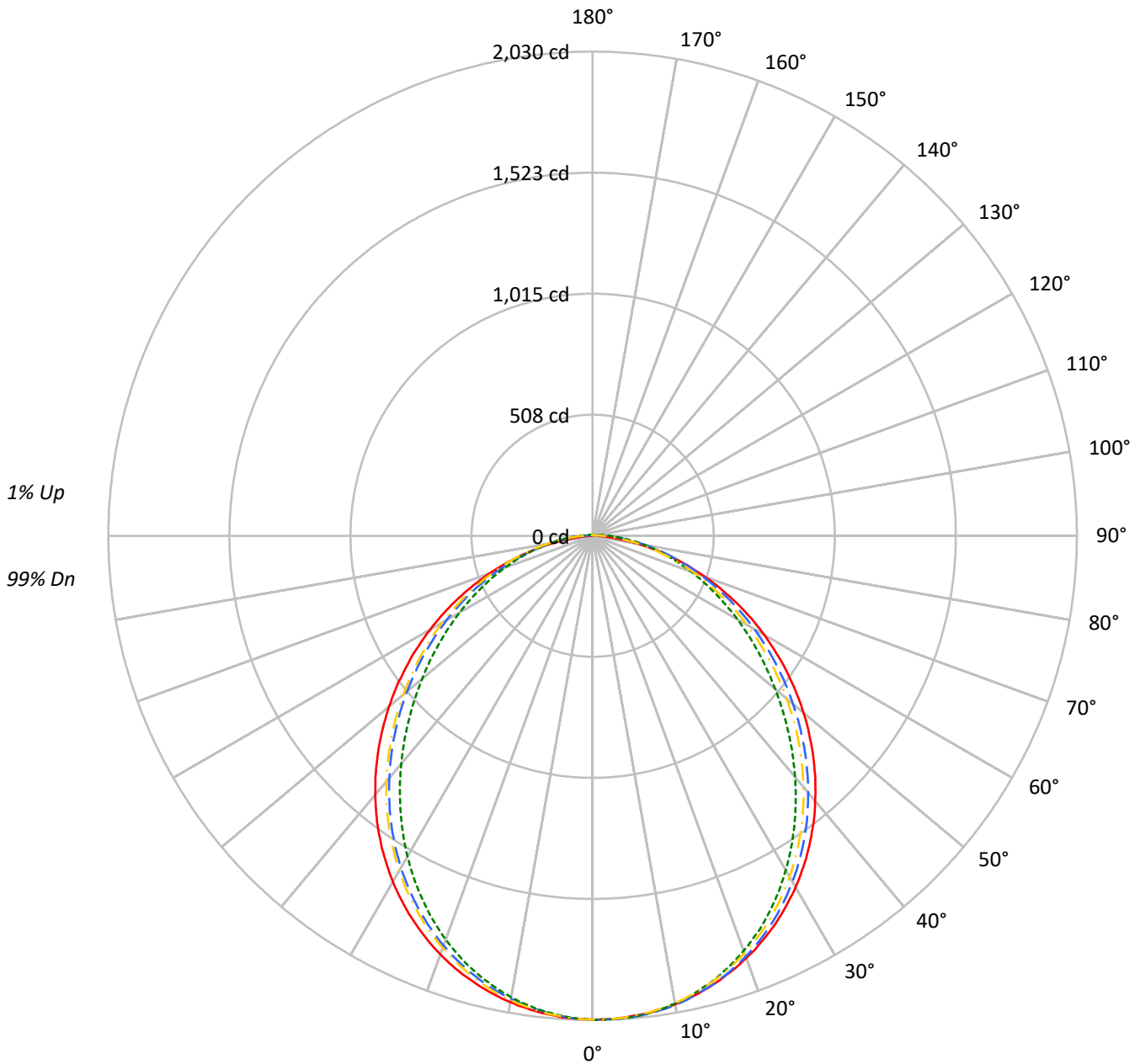
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5290.0 lumens
Efficiency: N/A
Efficacy: 133.9 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): 39.5
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°	12333	12333	12333	12333
5°	12303	12147	12282	12057
10°	12265	11904	12212	11741
15°	12196	11591	12113	11353
20°	12095	11211	11988	10907
25°	11970	10770	11820	10392
30°	11800	10254	11612	9830
35°	11585	9677	11361	9210
40°	11320	9050	11055	8556
45°	11013	8391	10696	7880
50°	10649	7722	10275	7211
55°	10222	7079	9788	6554
60°	9737	6439	9226	5910
65°	9150	5789	8548	5256
70°	8405	5138	7682	4581
75°	7418	4459	6513	3856
80°	5994	3729	4876	3096
85°	3833	2978	2463	2368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.5	3.6
10°-20°	543.5	10.3
20°-30°	807.2	15.3
30°-40°	940.9	17.8
40°-50°	931.5	17.6
50°-60°	799.9	15.1
60°-70°	585.5	11.1
70°-80°	332.4	6.3
80°-90°	110.7	2.1
90°-100°	20.1	0.4
100°-110°	8.5	0.2
110°-120°	5.0	0.1
120°-130°	3.6	0.1
130°-140°	3.2	0.1
140°-150°	3.0	0.1
150°-160°	2.0	0.0
160°-170°	1.2	0.0
170°-180°	0.4	0.0
0°-30°	1542.2	29.2
0°-40°	2483.1	46.9
0°-60°	4214.6	79.7
0°-90°	5243.1	99.1
90°-120°	33.6	0.6
90°-150°	43.3	0.8
90°-180°	47.0	0.9
0°-180°	5290.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2029	2029	2029	2029	2029	
5°	2020	2024	2016	2008	2020	192
15°	1949	1934	1936	1895	1949	550
25°	1802	1746	1780	1685	1802	830
35°	1584	1475	1553	1404	1584	990
45°	1308	1159	1270	1089	1308	1008
55°	993	847	951	784	993	888
65°	664	564	621	512	664	657
75°	340	323	299	279	340	360
85°	68	134	44	107	68	81
90°	4	71	1	54	4	3
95°	0	34	1	29	0	1
105°	2	13	3	17	2	2
115°	2	6	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°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0
0.5°	2028.5	2028.5	2028.7	2028.9	2029.1	2029.2	2029.3	2029.4	2029.5	2029.5	2029.4
1°	2028.2	2028.4	2028.8	2029.2	2029.5	2029.6	2029.7	2029.6	2029.0	2028.3	2028.8
1.5°	2028.3	2029.1	2029.2	2028.5	2028.2	2028.4	2029.2	2029.7	2029.0	2029.9	2030.1
2°	2027.9	2028.5	2028.5	2028.5	2028.9	2029.5	2030.0	2030.0	2028.9	2029.0	2029.4
2.5°	2027.2	2027.7	2027.8	2027.9	2028.0	2027.4	2027.6	2027.4	2029.5	2028.2	2027.4
3°	2025.7	2026.2	2027.0	2027.5	2028.0	2028.1	2028.5	2028.9	2028.2	2028.0	2028.0
3.5°	2024.4	2025.4	2026.2	2027.8	2027.1	2027.6	2027.6	2027.1	2027.7	2026.3	2025.8
4°	2023.5	2025.3	2024.8	2026.6	2026.2	2026.5	2026.4	2026.0	2025.0	2027.2	2025.3
4.5°	2021.3	2023.0	2023.5	2024.8	2025.8	2025.6	2024.8	2025.7	2025.0	2025.1	2023.2
5°	2020.0	2021.6	2022.3	2023.0	2024.2	2024.1	2022.3	2023.0	2023.6	2023.5	2021.8
5.5°	2018.7	2020.3	2021.0	2021.4	2022.1	2021.4	2020.8	2020.8	2021.6	2021.2	2019.3
6°	2017.1	2018.5	2018.8	2019.8	2020.8	2019.9	2019.4	2018.8	2019.0	2018.5	2016.4
6.5°	2015.0	2016.6	2017.0	2017.6	2018.7	2017.8	2018.1	2016.7	2016.7	2016.5	2014.3
7°	2013.0	2013.9	2015.6	2015.1	2015.2	2014.0	2015.8	2013.9	2013.6	2013.5	2011.9
7.5°	2010.1	2011.2	2012.6	2013.8	2013.5	2012.6	2012.0	2011.3	2010.5	2008.9	2009.0
8°	2008.1	2008.1	2010.4	2010.6	2010.5	2009.8	2009.0	2008.5	2007.7	2006.6	2006.1
8.5°	2004.3	2004.7	2007.7	2007.2	2007.7	2007.1	2005.9	2005.1	2003.8	2003.1	2001.6
9°	2002.1	2003.9	2004.1	2004.9	2004.9	2004.1	2002.0	2001.6	2000.1	2000.7	1997.8
9.5°	1998.4	2000.2	2001.6	2001.2	2001.6	1999.8	1997.5	1997.5	1996.5	1994.5	1993.8
10°	1994.4	1996.7	1997.9	1998.0	1997.6	1996.3	1994.0	1992.7	1992.0	1992.4	1990.4
10.5°	1990.7	1992.6	1994.5	1994.6	1993.8	1992.2	1989.6	1988.2	1987.4	1987.1	1985.5
11°	1986.6	1987.9	1990.2	1990.3	1989.6	1988.7	1984.6	1984.1	1983.7	1982.3	1980.8
11.5°	1982.2	1984.9	1985.9	1986.4	1984.8	1984.1	1980.2	1979.8	1978.4	1977.4	1975.7
12°	1978.1	1980.5	1982.4	1982.5	1980.6	1979.0	1976.2	1974.6	1971.8	1972.3	1969.5
12.5°	1974.2	1976.1	1977.9	1978.0	1975.4	1974.3	1971.3	1969.2	1966.9	1966.3	1964.7
13°	1969.5	1972.1	1973.5	1972.8	1969.9	1969.5	1965.6	1963.9	1961.7	1959.6	1958.9
13.5°	1964.3	1967.4	1968.8	1968.3	1965.2	1964.1	1959.0	1957.6	1955.6	1953.3	1951.6
14°	1959.4	1962.3	1963.6	1963.7	1959.8	1957.6	1954.0	1951.5	1949.3	1946.7	1945.8
14.5°	1954.5	1957.2	1958.4	1958.4	1953.8	1952.2	1948.7	1945.0	1941.8	1941.1	1938.5
15°	1948.8	1952.1	1952.9	1952.3	1948.9	1946.5	1941.9	1938.6	1935.6	1934.5	1932.9
15.5°	1943.6	1946.8	1946.8	1946.0	1943.4	1940.5	1934.6	1932.5	1928.6	1927.7	1925.2
16°	1937.3	1941.2	1941.7	1940.3	1936.7	1933.5	1928.3	1925.1	1922.1	1919.6	1917.4
16.5°	1930.4	1935.2	1936.2	1934.6	1930.3	1926.8	1921.1	1917.4	1914.4	1911.3	1910.6
17°	1924.0	1929.3	1929.3	1928.5	1924.5	1920.0	1914.3	1909.7	1906.2	1904.6	1903.6
17.5°	1918.6	1922.5	1923.1	1921.6	1917.6	1912.6	1905.7	1902.1	1897.7	1896.8	1894.6
18°	1912.7	1915.8	1916.7	1914.8	1910.2	1905.4	1898.7	1894.1	1889.8	1887.5	1886.6
18.5°	1905.3	1910.1	1910.6	1908.4	1903.3	1898.0	1890.7	1885.6	1882.1	1879.0	1877.9
19°	1898.2	1903.5	1903.9	1900.9	1896.1	1890.0	1883.2	1877.2	1872.9	1870.1	1869.7
19.5°	1891.0	1895.8	1896.1	1893.6	1888.1	1881.6	1874.3	1868.8	1863.5	1862.3	1859.1
20°	1884.0	1888.3	1888.3	1886.0	1880.4	1873.3	1865.2	1859.5	1854.8	1851.4	1850.6
20.5°	1876.7	1881.3	1881.1	1878.3	1872.6	1865.4	1856.4	1850.1	1845.7	1842.3	1840.7
21°	1869.6	1874.0	1873.5	1870.3	1863.7	1856.5	1848.0	1840.7	1836.4	1832.1	1831.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1844.7	1849.4	1849.7	1845.2	1838.4	1829.6	1819.6	1811.7	1805.7	1802.4	1800.2
23°	1837.3	1841.3	1840.9	1836.6	1829.5	1820.5	1810.0	1801.5	1795.0	1792.8	1790.3
23.5°	1828.1	1832.9	1832.4	1827.8	1820.4	1810.5	1800.2	1790.7	1784.2	1780.9	1779.2
24°	1819.3	1824.3	1824.0	1818.5	1810.7	1800.8	1789.1	1779.9	1773.2	1769.9	1768.5
24.5°	1811.0	1815.4	1814.7	1809.6	1800.7	1790.6	1780.0	1769.8	1762.1	1758.4	1756.5
25°	1802.0	1806.8	1805.3	1800.2	1791.4	1780.2	1769.1	1758.7	1750.6	1746.2	1745.3
25.5°	1792.4	1797.1	1796.2	1790.5	1782.3	1769.9	1757.8	1747.2	1739.5	1735.1	1733.2
26°	1783.0	1786.9	1786.5	1780.0	1772.0	1758.9	1746.4	1735.1	1726.8	1722.0	1721.7
26.5°	1773.1	1777.8	1775.7	1770.8	1760.6	1748.0	1734.7	1723.7	1715.2	1710.7	1708.9
27°	1763.3	1768.7	1766.1	1759.9	1749.9	1737.2	1723.5	1711.8	1703.1	1697.5	1697.4
27.5°	1753.6	1758.6	1756.8	1749.2	1739.3	1725.5	1713.0	1699.5	1689.6	1685.9	1684.6
28°	1743.0	1748.5	1746.8	1739.2	1728.4	1714.3	1699.5	1687.7	1677.6	1672.7	1671.2
28.5°	1732.7	1738.1	1736.3	1728.9	1717.9	1703.1	1687.8	1675.3	1664.0	1658.5	1657.9
29°	1723.2	1727.9	1725.7	1717.8	1705.9	1691.0	1675.9	1662.3	1652.5	1646.7	1645.2
29.5°	1712.6	1717.5	1714.7	1707.2	1694.5	1679.2	1664.1	1649.4	1637.8	1633.0	1633.0
30°	1701.3	1705.7	1703.8	1695.1	1682.9	1666.8	1650.6	1636.4	1625.1	1619.1	1619.6
30.5°	1690.6	1694.9	1692.7	1684.6	1671.1	1654.1	1638.0	1623.2	1610.2	1605.8	1604.9
31°	1679.8	1684.5	1681.1	1673.2	1659.8	1642.2	1624.5	1609.6	1598.0	1592.2	1590.7
31.5°	1668.4	1673.4	1670.0	1660.9	1647.7	1630.0	1611.4	1595.6	1584.0	1577.7	1576.3
32°	1656.1	1661.0	1658.1	1648.5	1634.8	1616.5	1598.4	1582.4	1569.9	1563.2	1562.7
32.5°	1644.4	1649.2	1646.3	1636.1	1622.1	1603.5	1585.2	1568.7	1556.8	1548.8	1548.6
33°	1633.1	1637.9	1634.2	1624.9	1609.5	1590.9	1571.9	1554.4	1542.1	1534.9	1534.5
33.5°	1621.0	1625.6	1622.3	1612.7	1597.3	1577.7	1558.2	1540.8	1527.1	1519.9	1519.5
34°	1608.4	1614.0	1610.0	1599.7	1584.5	1563.8	1543.6	1526.0	1512.5	1504.9	1504.8
34.5°	1595.7	1601.4	1597.7	1587.1	1571.6	1550.3	1529.5	1510.7	1497.4	1490.5	1489.6
35°	1583.9	1589.1	1585.6	1574.6	1557.9	1536.7	1515.7	1496.3	1482.0	1475.3	1475.1
35.5°	1571.6	1576.4	1573.4	1561.8	1544.3	1522.6	1501.2	1481.8	1467.1	1460.4	1460.0
36°	1558.8	1564.4	1559.5	1548.9	1531.2	1508.7	1486.9	1467.1	1451.8	1445.3	1444.7
36.5°	1545.7	1550.7	1546.8	1534.9	1518.1	1495.1	1472.5	1451.8	1436.8	1429.1	1429.9
37°	1533.0	1537.5	1533.6	1521.9	1504.1	1481.1	1458.1	1437.3	1420.7	1413.9	1414.4
37.5°	1520.5	1524.2	1520.3	1508.7	1490.0	1466.7	1443.0	1422.0	1405.9	1398.4	1398.6
38°	1508.0	1511.0	1507.6	1494.5	1476.1	1452.1	1427.9	1406.7	1390.9	1382.5	1382.3
38.5°	1494.0	1497.8	1492.9	1480.9	1461.7	1437.5	1413.0	1391.1	1375.4	1367.8	1367.2
39°	1479.5	1484.3	1479.6	1466.9	1447.5	1423.1	1398.2	1375.8	1360.1	1351.5	1350.9
39.5°	1465.2	1471.1	1465.9	1453.1	1432.8	1407.7	1383.2	1360.3	1343.6	1336.1	1336.1
40°	1451.4	1456.9	1452.4	1438.3	1418.5	1392.6	1367.2	1344.9	1327.8	1320.0	1320.1
40.5°	1438.3	1442.7	1438.4	1424.5	1403.8	1377.9	1351.9	1329.0	1311.6	1304.0	1303.4
41°	1424.4	1428.6	1424.1	1410.0	1389.2	1362.5	1336.6	1313.5	1295.9	1288.2	1287.3
41.5°	1409.8	1414.2	1409.3	1395.9	1374.4	1347.6	1320.7	1297.3	1279.1	1271.7	1271.6
42°	1396.0	1400.7	1395.4	1380.6	1359.9	1332.8	1306.1	1281.8	1264.0	1256.5	1255.3
42.5°	1382.0	1386.3	1380.8	1366.8	1344.0	1317.2	1290.3	1266.2	1248.1	1239.9	1239.3
43°	1367.4	1371.6	1366.3	1351.0	1329.0	1301.6	1274.5	1250.0	1232.0	1224.2	1223.5
43.5°	1352.1	1357.1	1351.3	1336.9	1314.7	1286.3	1258.5	1234.0	1215.7	1207.6	1207.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	1307.7	1312.3	1306.5	1291.1	1268.9	1239.5	1211.3	1186.1	1167.5	1159.2	1158.9
45.5°	1293.2	1297.4	1291.3	1275.7	1252.7	1223.8	1195.5	1170.0	1151.9	1142.7	1142.8
46°	1277.6	1282.3	1276.4	1260.5	1237.2	1208.0	1179.1	1154.1	1136.4	1126.1	1127.1
46.5°	1261.7	1266.6	1260.8	1245.1	1221.5	1192.1	1162.9	1138.1	1119.3	1111.0	1111.3
47°	1246.3	1251.7	1246.4	1229.7	1206.3	1176.3	1147.1	1121.8	1103.1	1095.0	1094.6
47.5°	1231.5	1236.0	1230.6	1214.9	1191.0	1160.6	1131.8	1105.3	1087.3	1079.0	1078.5
48°	1216.5	1220.9	1214.9	1199.6	1175.6	1144.7	1115.7	1089.8	1071.8	1062.4	1063.2
48.5°	1200.6	1204.6	1198.9	1183.5	1159.6	1129.0	1100.2	1074.0	1055.2	1047.0	1047.3
49°	1185.6	1190.4	1183.2	1167.0	1143.7	1113.3	1084.0	1058.3	1039.7	1030.8	1030.8
49.5°	1169.8	1174.0	1168.8	1152.0	1127.5	1097.3	1068.4	1042.3	1023.6	1015.0	1015.5
50°	1154.0	1158.8	1152.5	1136.6	1111.5	1081.2	1052.8	1026.4	1008.6	999.0	999.4
50.5°	1137.8	1142.8	1136.7	1121.1	1096.2	1065.6	1036.7	1010.4	992.0	983.5	983.3
51°	1122.3	1127.0	1120.5	1104.3	1080.5	1049.8	1020.9	995.3	977.4	967.7	967.2
51.5°	1106.2	1111.1	1104.7	1089.0	1064.6	1034.0	1004.7	979.4	960.9	953.3	952.4
52°	1090.7	1095.5	1089.4	1072.9	1048.6	1018.6	989.5	964.2	945.9	936.7	937.0
52.5°	1074.2	1078.9	1072.5	1056.9	1032.5	1002.2	973.7	948.6	930.9	922.0	921.8
53°	1058.3	1063.2	1057.0	1040.7	1016.5	986.4	957.9	933.1	915.6	906.1	905.8
53.5°	1042.2	1046.7	1040.6	1024.9	1000.5	970.8	942.5	917.8	899.2	891.6	890.6
54°	1026.2	1030.4	1024.8	1009.3	984.8	954.9	927.0	902.3	884.6	875.7	876.0
54.5°	1009.8	1014.7	1008.4	993.0	969.4	939.0	910.9	886.8	869.1	860.7	860.7
55°	993.2	998.6	992.7	977.0	952.9	923.1	895.5	871.4	854.5	846.9	845.2
55.5°	977.5	982.2	976.1	961.3	937.6	908.0	880.1	855.9	839.0	831.3	830.0
56°	960.8	965.7	960.4	945.0	921.8	892.8	865.4	840.8	824.4	816.2	815.6
56.5°	944.7	949.7	944.1	929.1	906.1	877.0	849.7	826.2	809.7	801.6	801.0
57°	929.0	933.1	927.7	912.8	889.7	861.4	834.3	811.2	794.5	787.1	786.2
57.5°	912.1	917.5	910.9	897.1	874.5	846.3	819.3	796.1	780.3	772.4	771.4
58°	895.5	900.5	895.7	880.4	857.7	830.9	804.5	781.8	765.7	757.3	757.5
58.5°	879.5	884.3	878.8	864.9	842.5	815.0	789.0	766.7	751.2	743.3	742.8
59°	862.8	868.5	862.7	848.9	826.9	799.8	774.0	751.8	737.3	729.7	728.4
59.5°	846.5	851.3	846.4	832.9	811.2	784.5	759.4	738.0	723.1	716.0	713.6
60°	829.7	835.0	830.5	816.7	795.2	769.3	744.4	723.8	709.0	701.7	699.5
60.5°	813.4	818.2	814.0	800.9	780.6	754.3	730.4	709.9	694.7	687.4	685.5
61°	797.0	801.5	797.6	785.1	765.1	739.5	711.9	695.4	680.4	673.0	671.4
61.5°	780.6	786.0	781.0	768.2	748.9	724.2	697.0	680.7	666.1	658.7	657.4
62°	764.1	769.5	765.6	752.9	732.8	708.7	683.4	666.3	651.8	644.3	643.3
62.5°	747.6	752.6	749.3	737.4	717.9	693.8	669.8	652.0	637.6	630.3	629.3
63°	731.1	736.4	732.8	721.5	702.4	678.9	656.2	637.6	624.1	617.1	615.9
63.5°	714.8	719.6	716.6	704.9	686.9	664.1	642.6	623.8	610.7	603.8	602.8
64°	698.1	703.0	699.7	690.8	671.3	649.2	628.0	610.4	597.3	590.5	589.2
64.5°	681.2	686.3	683.4	685.5	656.2	634.4	614.3	596.6	583.9	577.1	575.6
65°	664.5	669.6	667.2	666.5	642.0	619.5	600.4	583.1	570.6	564.3	562.6
65.5°	647.6	653.0	651.0	647.6	626.5	604.9	586.1	569.6	557.6	550.9	549.4
66°	630.7	636.3	634.7	628.6	611.0	590.6	572.3	556.2	544.7	538.0	536.8



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	581.7	586.9	586.3	578.9	565.8	548.3	531.5	517.3	506.1	499.8	498.2
68°	565.6	570.8	570.1	563.6	550.9	534.2	517.9	504.2	493.8	487.5	485.8
68.5°	549.0	554.4	554.6	547.6	536.0	520.0	504.8	491.2	481.3	475.4	472.7
69°	532.5	538.2	538.6	533.1	521.4	505.8	491.6	478.5	468.2	462.9	460.8
69.5°	516.3	522.5	522.7	517.8	507.2	492.1	478.4	465.7	455.9	450.3	448.4
70°	499.9	506.1	507.0	502.7	492.6	478.6	465.3	452.9	443.8	438.0	436.1
70.5°	483.6	489.8	491.3	487.2	478.7	465.2	452.5	440.7	431.9	426.3	423.9
71°	467.6	473.4	475.6	472.5	464.0	451.5	439.5	428.4	420.0	414.5	412.2
71.5°	451.4	457.7	459.6	457.1	449.8	438.0	426.8	416.3	407.6	402.5	400.5
72°	435.6	441.7	444.4	442.0	435.6	424.6	413.9	404.0	395.8	390.5	388.4
72.5°	419.6	425.6	429.0	427.3	421.2	411.1	401.5	391.6	384.0	379.4	376.7
73°	403.3	409.9	413.9	413.0	407.7	397.9	388.7	379.7	372.5	367.6	364.9
73.5°	387.0	394.2	398.3	398.3	393.6	385.6	376.4	367.9	360.8	356.2	353.6
74°	371.6	378.1	383.1	383.9	379.9	372.4	364.3	356.1	349.7	344.8	342.2
74.5°	355.9	362.9	367.9	369.1	366.3	359.2	352.2	344.5	338.3	333.8	331.5
75°	340.3	347.4	352.9	354.8	352.8	346.6	340.1	333.2	327.1	322.7	320.0
75.5°	324.4	332.2	337.8	340.5	339.5	334.0	328.2	321.6	315.8	311.9	309.1
76°	309.0	316.6	323.1	326.7	325.7	321.3	316.4	310.4	305.1	301.1	298.0
76.5°	293.8	301.7	308.4	312.5	312.8	309.1	304.5	299.1	294.3	290.5	287.4
77°	278.7	286.3	294.0	298.6	299.9	297.0	293.1	287.9	283.5	279.5	276.6
77.5°	263.4	271.6	279.6	284.9	287.0	285.1	281.7	277.2	272.7	269.3	266.2
78°	248.8	256.9	265.1	271.7	274.2	273.2	270.5	266.5	262.7	259.1	256.0
78.5°	233.9	242.5	251.0	258.2	261.6	261.3	259.2	255.9	252.6	248.9	246.0
79°	219.3	228.2	237.4	245.1	249.2	249.6	248.4	245.4	242.2	238.9	235.8
79.5°	204.9	213.5	223.6	232.0	237.0	238.2	237.8	235.2	232.4	229.3	226.1
80°	191.4	199.7	209.9	219.3	225.0	227.0	226.9	225.0	222.6	219.8	216.5
80.5°	177.4	186.2	196.9	206.6	213.1	216.0	216.5	215.2	213.1	210.1	207.0
81°	163.8	172.8	183.9	194.2	201.5	205.1	206.5	205.5	203.7	200.9	197.8
81.5°	150.5	159.5	171.3	182.0	190.2	194.3	196.5	196.2	194.7	192.1	188.7
82°	137.5	146.5	158.6	170.2	179.0	184.0	186.7	186.9	185.6	183.0	179.9
82.5°	124.1	134.0	146.7	158.7	168.0	174.0	177.0	177.7	176.7	174.2	170.9
83°	112.4	121.8	134.5	147.4	157.4	164.1	167.8	168.7	168.0	166.0	162.6
83.5°	100.6	110.1	123.0	136.5	147.2	154.2	158.7	160.1	159.9	157.7	154.4
84°	89.4	98.8	111.9	125.8	137.1	145.0	149.9	151.8	151.5	149.7	146.4
84.5°	78.2	87.6	101.4	115.4	127.4	135.9	141.0	143.5	143.6	141.8	138.7
85°	68.0	77.1	90.9	105.5	118.2	127.0	132.7	135.5	135.9	134.2	131.0
85.5°	59.1	67.7	81.3	96.2	109.1	118.6	124.6	127.7	128.3	126.7	123.7
86°	50.3	59.1	71.8	87.2	100.6	110.5	116.9	120.2	120.9	119.6	116.4
86.5°	41.4	50.5	64.2	78.6	92.3	102.6	109.3	113.1	114.0	112.7	109.6
87°	32.6	41.9	56.6	69.9	84.5	95.0	102.1	106.2	107.2	106.3	103.0
87.5°	25.0	33.3	49.1	63.3	76.8	87.8	95.1	99.4	100.6	99.7	96.6
88°	18.1	26.3	41.6	56.7	69.5	80.9	88.5	92.8	94.4	93.4	90.4
88.5°	12.2	20.1	34.0	50.1	63.8	74.1	82.0	86.7	88.3	87.4	84.5



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	3.9	7.1	18.8	32.9	46.5	57.8	66.1	70.0	71.9	71.0	69.0
90.5°	2.1	5.8	15.1	28.4	41.5	52.7	61.2	65.6	67.5	66.8	64.6
91°	0.4	4.5	12.2	24.3	37.0	47.7	56.3	61.1	63.2	62.6	60.2
91.5°	0.3	3.2	9.9	21.1	32.9	43.3	51.3	56.6	58.8	58.4	55.8
92°	0.3	2.0	8.1	18.1	29.2	39.2	46.9	52.1	54.4	54.1	51.4
92.5°	0.2	1.5	7.1	15.6	26.0	35.6	43.0	47.9	50.1	49.9	47.6
93°	0.2	1.2	6.3	13.5	23.1	32.3	39.5	44.2	46.5	46.4	44.1
93.5°	0.3	1.0	5.4	11.8	20.6	29.2	36.2	40.8	43.0	42.9	40.9
94°	0.3	0.9	4.6	10.4	18.4	26.5	33.2	37.7	39.9	39.9	37.9
94.5°	0.4	0.7	4.2	9.4	16.5	24.0	30.4	34.7	36.9	37.0	35.1
95°	0.5	0.6	3.8	8.6	14.9	21.8	27.8	32.1	34.2	34.3	32.5
95.5°	0.5	0.6	3.4	8.0	13.6	19.9	25.6	29.6	31.7	31.8	30.2
96°	0.6	0.7	3.0	7.5	12.6	18.4	23.6	27.4	29.4	29.5	28.0
96.5°	0.7	0.8	2.7	7.0	11.7	17.0	21.9	25.4	27.4	27.6	26.1
97°	0.8	0.8	2.5	6.5	11.0	15.8	20.3	23.7	25.6	25.7	24.4
97.5°	0.8	0.9	2.3	6.0	10.5	14.8	18.9	22.1	23.9	24.1	22.9
98°	0.9	0.9	2.1	5.6	9.9	14.0	17.8	20.8	22.4	22.7	21.6
98.5°	1.0	0.9	1.9	5.2	9.3	13.3	16.8	19.6	21.1	21.4	20.4
99°	1.0	1.0	1.7	4.8	8.8	12.7	16.0	18.5	20.0	20.3	19.4
99.5°	1.2	1.1	1.6	4.5	8.3	12.2	15.3	17.7	19.1	19.4	18.5
100°	1.3	1.2	1.5	4.2	7.9	11.6	14.7	17.0	18.3	18.5	17.8
100.5°	1.4	1.3	1.5	3.9	7.5	11.0	14.1	16.3	17.6	17.9	17.1
101°	1.5	1.4	1.5	3.6	7.1	10.5	13.5	15.7	16.9	17.2	16.5
101.5°	1.7	1.4	1.5	3.4	6.7	10.0	12.9	15.1	16.3	16.6	16.0
102°	1.8	1.5	1.5	3.1	6.3	9.5	12.3	14.5	15.8	16.0	15.4
102.5°	1.9	1.6	1.5	2.9	5.9	9.1	11.8	13.9	15.2	15.5	14.9
103°	2.0	1.6	1.5	2.7	5.5	8.6	11.3	13.3	14.6	14.9	14.3
103.5°	2.0	1.7	1.4	2.5	5.2	8.2	10.8	12.8	14.0	14.3	13.8
104°	2.1	1.8	1.4	2.4	4.8	7.8	10.3	12.3	13.5	13.8	13.2
104.5°	2.1	1.9	1.4	2.2	4.5	7.4	9.9	11.8	13.0	13.3	12.7
105°	2.2	2.1	1.4	2.1	4.2	7.0	9.4	11.3	12.5	12.8	12.3
105.5°	2.1	2.3	1.4	2.0	4.0	6.6	9.0	10.8	12.0	12.3	11.8
106°	2.1	2.3	1.4	1.9	3.7	6.3	8.6	10.4	11.6	11.9	11.3
106.5°	2.1	2.1	1.4	1.9	3.5	5.9	8.2	9.9	11.1	11.4	10.9
107°	2.1	2.0	1.5	1.8	3.3	5.6	7.8	9.5	10.7	11.0	10.5
107.5°	2.1	2.0	1.5	1.8	3.1	5.3	7.4	9.1	10.3	10.6	10.1
108°	2.1	2.1	1.5	1.7	2.9	5.0	7.1	8.7	9.8	10.2	9.7
108.5°	2.1	2.1	1.6	1.7	2.8	4.7	6.7	8.3	9.5	9.8	9.4
109°	2.2	2.2	1.6	1.7	2.6	4.5	6.4	8.0	9.1	9.4	9.0
109.5°	2.2	2.2	1.6	1.6	2.5	4.2	6.0	7.6	8.7	9.0	8.7
110°	2.2	2.2	1.7	1.6	2.4	4.0	5.7	7.3	8.3	8.7	8.3
110.5°	2.2	2.2	1.7	1.6	2.3	3.8	5.4	7.0	8.0	8.3	8.0
111°	2.2	2.2	1.8	1.6	2.3	3.6	5.1	6.6	7.7	8.0	7.7



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	2.2	2.2	1.9	1.7	2.1	3.0	4.4	5.7	6.7	7.0	6.7
113°	2.3	2.2	2.0	1.7	2.1	2.9	4.1	5.4	6.4	6.6	6.4
113.5°	2.3	2.2	2.0	1.8	2.0	2.8	3.9	5.2	6.1	6.3	6.1
114°	2.3	2.2	2.1	1.8	2.0	2.7	3.7	4.9	5.8	6.1	5.9
114.5°	2.4	2.2	2.1	1.8	1.9	2.6	3.6	4.7	5.5	5.8	5.6
115°	2.4	2.3	2.2	1.9	1.9	2.6	3.4	4.4	5.3	5.6	5.4
115.5°	2.4	2.3	2.3	1.9	1.8	2.5	3.3	4.2	5.0	5.3	5.2
116°	2.4	2.4	2.3	1.9	1.9	2.4	3.2	4.0	4.8	5.1	5.0
116.5°	2.4	2.4	2.5	2.0	1.9	2.4	3.1	3.9	4.6	4.9	4.8
117°	2.4	2.5	2.6	2.0	1.9	2.4	3.0	3.7	4.4	4.7	4.6
117.5°	2.4	2.5	2.8	2.0	1.9	2.3	2.9	3.6	4.2	4.5	4.4
118°	2.4	2.6	2.9	2.1	2.0	2.2	2.8	3.5	4.0	4.3	4.3
118.5°	2.4	2.6	2.9	2.1	2.0	2.1	2.7	3.4	3.9	4.2	4.1
119°	2.5	2.6	2.9	2.2	2.0	2.1	2.7	3.3	3.8	4.0	4.0
119.5°	2.5	2.7	2.8	2.2	2.1	2.1	2.7	3.2	3.7	3.9	3.9
120°	2.5	2.7	2.8	2.3	2.1	2.1	2.6	3.1	3.6	3.8	3.8
120.5°	2.5	2.7	2.7	2.3	2.1	2.1	2.5	3.0	3.5	3.7	3.7
121°	2.6	2.7	2.7	2.4	2.2	2.1	2.4	2.9	3.4	3.6	3.6
121.5°	2.6	2.7	2.8	2.4	2.2	2.2	2.3	2.8	3.3	3.5	3.6
122°	2.6	2.8	2.8	2.5	2.3	2.2	2.3	2.8	3.2	3.5	3.5
122.5°	2.6	2.8	2.9	2.5	2.3	2.2	2.2	2.7	3.1	3.4	3.4
123°	2.7	2.8	2.9	2.6	2.4	2.3	2.2	2.6	3.1	3.3	3.4
123.5°	2.7	2.8	3.0	2.6	2.4	2.3	2.3	2.5	3.0	3.3	3.3
124°	2.7	2.9	3.0	2.7	2.5	2.4	2.3	2.4	2.9	3.2	3.2
124.5°	2.7	2.9	3.0	2.8	2.5	2.4	2.3	2.4	2.8	3.1	3.1
125°	2.7	2.9	3.0	2.8	2.5	2.5	2.3	2.4	2.8	3.1	3.1
125.5°	2.8	2.9	3.0	2.9	2.6	2.5	2.4	2.4	2.7	3.0	3.1
126°	2.8	2.9	3.0	3.0	2.6	2.5	2.4	2.5	2.7	3.0	3.1
126.5°	2.8	2.9	3.0	3.2	2.7	2.6	2.5	2.5	2.7	3.0	3.1
127°	2.9	2.9	3.0	3.3	2.7	2.6	2.5	2.6	2.8	3.0	3.1
127.5°	2.9	2.9	3.0	3.4	2.8	2.6	2.6	2.6	2.8	3.0	3.2
128°	2.9	2.9	3.0	3.5	2.8	2.7	2.6	2.7	2.9	3.1	3.2
128.5°	3.0	3.0	3.0	3.5	2.9	2.7	2.7	2.7	2.9	3.1	3.2
129°	3.0	3.0	3.0	3.5	2.9	2.8	2.7	2.8	3.0	3.2	3.3
129.5°	3.0	3.0	3.0	3.5	3.0	2.8	2.8	2.9	3.0	3.2	3.3
130°	3.0	3.0	3.0	3.5	3.1	2.9	2.8	2.9	3.1	3.3	3.4
130.5°	3.0	3.0	3.0	3.5	3.1	2.9	2.9	3.0	3.2	3.3	3.4
131°	3.0	3.0	3.0	3.5	3.2	3.0	3.0	3.1	3.2	3.4	3.5
131.5°	3.1	3.0	3.0	3.6	3.3	3.1	3.0	3.1	3.3	3.4	3.5
132°	3.1	3.1	3.0	3.6	3.4	3.1	3.1	3.2	3.3	3.5	3.6
132.5°	3.1	3.1	3.1	3.7	3.5	3.2	3.2	3.3	3.4	3.5	3.6
133°	3.1	3.1	3.1	3.7	3.6	3.3	3.2	3.3	3.4	3.6	3.7
133.5°	3.1	3.2	3.1	3.8	3.7	3.4	3.3	3.4	3.5	3.6	3.8



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	3.2	3.2	3.2	3.9	4.1	3.6	3.6	3.6	3.6	3.8	3.9
135.5°	3.2	3.3	3.3	3.9	4.1	3.7	3.6	3.7	3.7	3.8	4.0
136°	3.1	3.3	3.3	3.9	4.1	3.8	3.7	3.7	3.8	3.9	4.0
136.5°	3.1	3.2	3.4	3.8	4.1	3.8	3.8	3.8	3.8	3.9	4.1
137°	3.1	3.2	3.4	3.8	4.1	3.9	3.8	3.9	3.9	4.0	4.2
137.5°	3.1	3.3	3.4	3.7	4.2	4.1	3.9	3.9	3.9	4.1	4.2
138°	3.2	3.4	3.5	3.7	4.2	4.2	4.0	4.0	4.0	4.1	4.3
138.5°	3.2	3.4	3.5	3.7	4.2	4.4	4.0	4.0	4.0	4.2	4.4
139°	3.2	3.5	3.5	3.6	4.2	4.5	4.1	4.1	4.1	4.2	4.4
139.5°	3.2	3.5	3.5	3.6	4.3	4.6	4.1	4.2	4.2	4.3	4.5
140°	3.2	3.6	3.6	3.6	4.3	4.6	4.2	4.2	4.2	4.3	4.6
140.5°	3.2	3.6	3.6	3.6	4.4	4.7	4.3	4.3	4.3	4.4	4.7
141°	3.2	3.6	3.6	3.6	4.4	4.7	4.4	4.3	4.3	4.5	4.7
141.5°	3.2	3.6	3.6	3.6	4.4	4.7	4.5	4.4	4.4	4.5	4.8
142°	3.2	3.7	3.6	3.5	4.4	4.8	4.7	4.4	4.5	4.6	4.9
142.5°	3.2	3.7	3.6	3.5	4.3	4.8	4.8	4.5	4.5	4.7	4.9
143°	3.2	3.7	3.7	3.5	4.3	4.8	5.0	4.6	4.6	4.8	5.1
143.5°	3.2	3.7	3.7	3.5	4.2	4.7	5.0	4.7	4.7	4.9	5.2
144°	3.2	3.7	3.7	3.5	4.2	4.7	5.0	4.8	4.8	5.0	5.2
144.5°	3.2	3.7	3.7	3.5	4.2	4.7	5.0	5.0	4.8	5.0	5.3
145°	3.2	3.7	3.7	3.5	4.1	4.7	5.0	5.2	4.9	5.1	5.4
145.5°	3.2	3.7	3.8	3.5	4.1	4.7	5.1	5.3	5.1	5.2	5.5
146°	3.2	3.8	3.8	3.5	4.0	4.7	5.0	5.3	5.3	5.3	5.7
146.5°	3.2	3.8	3.8	3.5	4.0	4.7	5.0	5.3	5.5	5.5	5.9
147°	3.2	3.8	3.8	3.5	3.9	4.7	4.9	5.3	5.6	5.7	6.0
147.5°	3.2	3.8	3.8	3.5	3.9	4.7	4.9	5.3	5.6	5.8	6.0
148°	3.2	3.8	3.8	3.5	3.8	4.6	4.9	5.3	5.5	5.8	6.0
148.5°	3.2	3.8	3.8	3.5	3.8	4.6	4.9	5.3	5.5	5.8	6.0
149°	3.1	3.7	3.8	3.5	3.8	4.6	4.9	5.3	5.5	5.8	6.0
149.5°	3.1	3.7	3.8	3.5	3.7	4.5	4.9	5.2	5.6	5.8	6.0
150°	3.1	3.7	3.8	3.5	3.7	4.4	4.9	5.2	5.5	5.8	5.9
150.5°	3.1	3.7	3.8	3.5	3.7	4.4	4.9	5.2	5.5	5.7	5.9
151°	3.0	3.7	3.8	3.6	3.6	4.3	4.9	5.2	5.4	5.6	5.8
151.5°	2.8	3.6	3.8	3.6	3.6	4.2	4.8	5.2	5.4	5.5	5.8
152°	2.8	3.5	3.8	3.6	3.6	4.1	4.7	5.2	5.4	5.5	5.8
152.5°	2.9	3.5	3.8	3.6	3.6	4.1	4.7	5.1	5.4	5.5	5.8
153°	2.8	3.5	3.8	3.7	3.6	4.0	4.6	5.1	5.3	5.5	5.7
153.5°	2.6	3.5	3.8	3.7	3.6	3.9	4.5	5.0	5.3	5.5	5.6
154°	2.4	3.4	3.9	3.7	3.6	3.9	4.4	4.9	5.2	5.4	5.5
154.5°	2.3	3.3	3.9	3.7	3.7	3.9	4.3	4.8	5.1	5.3	5.4
155°	2.3	3.3	3.9	3.7	3.7	3.8	4.2	4.7	5.0	5.2	5.2
155.5°	2.4	3.3	3.9	3.8	3.7	3.8	4.2	4.6	4.9	5.1	5.1
156°	2.3	3.3	3.9	3.8	3.7	3.8	4.1	4.5	4.8	5.0	5.0



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	2.1	3.3	3.9	3.8	3.8	3.8	3.9	4.2	4.5	4.6	4.7
158°	2.1	3.3	3.9	3.9	3.9	3.9	3.9	4.2	4.4	4.5	4.6
158.5°	2.1	3.3	3.9	3.9	3.9	3.9	3.9	4.1	4.3	4.5	4.5
159°	2.1	3.3	3.9	3.9	3.9	3.9	3.9	4.0	4.2	4.4	4.4
159.5°	2.1	3.2	3.8	3.9	4.0	4.0	3.9	4.0	4.2	4.3	4.3
160°	2.1	3.2	3.8	3.9	4.0	4.0	3.9	4.0	4.1	4.2	4.3
160.5°	2.1	3.2	3.8	3.9	4.0	4.0	4.0	4.0	4.1	4.2	4.2
161°	2.2	3.2	3.7	3.9	4.1	4.1	4.0	4.0	4.1	4.1	4.2
161.5°	2.2	3.2	3.7	3.9	4.1	4.1	4.0	4.0	4.1	4.1	4.2
162°	2.2	3.1	3.7	3.9	4.1	4.1	4.1	4.0	4.1	4.1	4.2
162.5°	2.2	3.1	3.7	3.9	4.1	4.2	4.1	4.1	4.1	4.1	4.2
163°	2.2	3.0	3.7	3.9	4.1	4.2	4.1	4.1	4.1	4.1	4.2
163.5°	2.2	2.9	3.7	3.9	4.2	4.2	4.2	4.1	4.1	4.1	4.2
164°	2.2	2.8	3.7	3.9	4.2	4.2	4.2	4.2	4.1	4.2	4.2
164.5°	2.2	2.7	3.7	3.9	4.2	4.3	4.2	4.2	4.2	4.2	4.2
165°	2.2	2.6	3.6	3.9	4.2	4.3	4.3	4.2	4.2	4.2	4.3
165.5°	2.2	2.7	3.6	3.9	4.2	4.3	4.3	4.3	4.3	4.2	4.3
166°	2.3	2.7	3.6	3.8	4.2	4.3	4.3	4.3	4.3	4.3	4.3
166.5°	2.3	2.7	3.7	3.7	4.2	4.3	4.3	4.3	4.3	4.3	4.4
167°	2.3	2.7	3.6	3.8	4.1	4.3	4.4	4.4	4.4	4.3	4.4
167.5°	2.3	2.8	3.3	3.7	4.1	4.3	4.4	4.4	4.4	4.4	4.4
168°	2.3	2.8	3.4	3.5	4.1	4.3	4.4	4.4	4.4	4.4	4.5
168.5°	2.3	2.7	3.6	3.4	4.1	4.3	4.4	4.5	4.5	4.4	4.5
169°	2.4	2.5	3.4	3.7	4.0	4.3	4.4	4.5	4.5	4.5	4.5
169.5°	2.4	2.7	3.0	3.7	3.7	4.2	4.4	4.5	4.5	4.5	4.5
170°	2.5	3.0	3.1	3.6	3.7	4.1	4.4	4.5	4.5	4.5	4.5
170.5°	2.8	2.9	3.4	3.4	4.0	4.2	4.4	4.5	4.5	4.5	4.5
171°	3.2	3.0	3.4	3.5	3.9	4.1	4.3	4.4	4.5	4.5	4.5
171.5°	3.2	3.3	3.2	3.5	3.4	3.6	4.2	4.4	4.4	4.5	4.5
172°	3.3	3.3	3.3	3.4	3.5	3.5	4.1	4.4	4.4	4.4	4.4
172.5°	3.4	3.4	3.4	3.4	3.6	3.9	4.1	4.3	4.3	4.3	4.4
173°	3.4	3.4	3.5	3.5	3.5	3.8	4.0	4.2	4.3	4.3	4.3
173.5°	3.4	3.5	3.5	3.5	3.5	3.5	4.0	4.2	4.2	4.2	4.2
174°	3.5	3.5	3.6	3.3	3.6	3.7	3.9	4.1	4.1	4.2	4.2
174.5°	3.6	3.7	3.7	3.5	3.3	3.6	3.6	4.0	4.1	4.1	4.2
175°	3.7	3.7	3.8	3.6	3.3	3.5	3.8	4.0	4.1	4.1	4.1
175.5°	3.8	3.8	3.8	3.6	3.4	3.4	3.7	4.0	4.1	4.1	4.0
176°	3.8	3.8	3.8	3.7	3.3	3.3	3.5	3.9	4.1	4.1	4.0
176.5°	3.8	3.8	3.8	3.8	3.5	3.4	3.5	3.8	4.0	4.1	4.0
177°	3.8	3.8	3.9	3.8	3.6	3.4	3.5	3.8	3.9	4.0	3.9
177.5°	3.8	3.8	3.9	3.7	3.4	3.3	3.4	3.7	3.8	3.9	3.8
178°	3.8	3.8	3.8	3.7	3.5	3.3	3.3	3.5	3.7	3.9	3.7
178.5°	3.8	3.9	3.8	3.6	3.3	3.1	3.1	3.4	3.7	3.8	3.7



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0
0.5°	2029.4	2029.3	2029.2	2029.0	2028.8	2028.5	2028.3	2028.2	2028.1	2028.1	2028.2
1°	2029.4	2029.6	2029.9	2030.1	2029.9	2029.4	2028.9	2028.4	2027.9	2027.7	2027.6
1.5°	2030.0	2029.8	2029.2	2028.3	2027.6	2027.6	2027.6	2027.4	2026.9	2026.6	2026.5
2°	2029.9	2028.3	2026.6	2026.7	2026.6	2025.8	2025.6	2025.7	2025.3	2025.1	2025.0
2.5°	2028.3	2028.0	2028.2	2027.0	2026.9	2026.4	2025.2	2025.0	2024.6	2024.3	2023.8
3°	2027.4	2027.0	2026.6	2025.7	2025.7	2025.3	2024.9	2024.1	2022.5	2021.2	2021.6
3.5°	2025.8	2025.4	2025.3	2025.4	2024.5	2023.0	2022.7	2023.0	2020.6	2019.7	2019.4
4°	2025.4	2024.5	2023.7	2023.7	2023.4	2022.4	2020.9	2021.3	2020.0	2018.3	2017.0
4.5°	2021.7	2022.8	2020.9	2022.1	2022.2	2020.7	2019.1	2018.2	2017.5	2016.1	2015.1
5°	2020.9	2020.8	2020.4	2019.5	2019.9	2019.1	2017.7	2016.5	2015.7	2014.4	2011.9
5.5°	2019.7	2018.9	2018.5	2017.3	2017.8	2016.3	2016.0	2014.6	2013.9	2012.3	2009.5
6°	2017.4	2016.5	2015.5	2015.1	2014.9	2014.1	2013.6	2012.1	2010.9	2009.9	2006.3
6.5°	2014.5	2013.8	2013.3	2012.5	2011.9	2012.7	2011.4	2009.6	2007.3	2007.2	2003.5
7°	2012.0	2010.7	2011.4	2010.0	2009.6	2009.8	2008.9	2006.3	2004.2	2003.3	2000.8
7.5°	2008.6	2007.8	2008.0	2008.0	2006.4	2006.5	2005.3	2004.1	2000.9	2000.3	1998.1
8°	2005.5	2005.0	2004.5	2004.6	2004.0	2004.0	2001.4	2000.1	1997.9	1997.0	1993.8
8.5°	2001.4	2001.5	2000.8	2000.5	2001.1	1999.9	1999.6	1996.9	1995.6	1993.1	1990.2
9°	1997.4	1997.8	1997.3	1997.2	1997.8	1996.2	1995.6	1994.1	1991.0	1989.1	1986.4
9.5°	1994.0	1994.2	1993.1	1993.3	1993.4	1993.1	1991.1	1989.5	1986.3	1984.8	1981.5
10°	1989.6	1989.7	1988.8	1990.0	1989.4	1987.7	1987.8	1985.8	1982.7	1980.6	1977.1
10.5°	1985.0	1985.6	1983.7	1985.9	1985.2	1984.1	1984.2	1982.0	1979.1	1975.5	1972.8
11°	1979.5	1981.3	1980.4	1982.0	1981.2	1980.5	1980.0	1977.8	1974.3	1970.5	1967.5
11.5°	1974.4	1976.3	1975.1	1976.6	1976.5	1976.7	1975.1	1972.5	1968.9	1966.3	1962.1
12°	1969.4	1970.5	1970.2	1971.1	1972.3	1971.2	1970.3	1967.8	1964.7	1961.8	1957.0
12.5°	1964.1	1965.6	1965.4	1965.7	1967.4	1966.3	1965.2	1963.2	1960.2	1955.7	1952.2
13°	1958.6	1959.9	1959.3	1960.0	1961.4	1960.9	1960.6	1958.3	1955.5	1950.2	1946.8
13.5°	1952.1	1953.0	1953.1	1954.9	1955.9	1955.4	1955.2	1953.0	1949.0	1944.4	1939.9
14°	1945.5	1946.9	1948.0	1949.5	1950.5	1950.2	1949.7	1948.1	1943.2	1938.7	1933.8
14.5°	1938.8	1940.5	1941.8	1943.2	1944.9	1944.7	1944.1	1942.0	1938.4	1932.4	1927.4
15°	1932.0	1934.6	1935.2	1937.1	1939.5	1938.5	1938.5	1935.5	1932.6	1925.4	1921.0
15.5°	1924.9	1928.4	1929.2	1931.1	1933.5	1932.0	1932.8	1929.4	1925.7	1919.4	1914.5
16°	1917.3	1920.7	1922.2	1924.1	1926.5	1926.2	1926.3	1923.8	1919.2	1913.8	1908.0
16.5°	1910.1	1913.6	1915.1	1917.2	1919.5	1920.0	1919.4	1917.8	1913.3	1907.1	1900.5
17°	1902.2	1905.6	1907.5	1910.0	1913.1	1913.0	1912.8	1911.2	1906.4	1899.7	1892.6
17.5°	1894.3	1898.3	1900.4	1902.7	1906.6	1906.7	1907.3	1904.1	1899.2	1892.8	1885.3
18°	1886.5	1889.5	1893.0	1896.3	1899.1	1899.2	1899.7	1896.6	1891.7	1885.4	1877.3
18.5°	1877.7	1880.6	1885.4	1888.4	1891.8	1891.5	1891.5	1889.8	1884.5	1877.2	1868.9
19°	1868.6	1872.0	1876.7	1879.7	1884.2	1884.6	1884.7	1882.5	1877.7	1869.2	1861.3
19.5°	1859.5	1863.5	1868.1	1872.3	1876.0	1876.6	1877.1	1874.8	1869.7	1861.5	1852.7
20°	1851.4	1855.6	1859.9	1864.1	1867.8	1869.3	1869.3	1867.3	1861.9	1853.4	1844.3
20.5°	1842.1	1846.2	1851.5	1855.0	1860.1	1860.9	1861.0	1859.6	1854.0	1845.2	1835.5
21°	1832.2	1837.7	1841.9	1846.4	1851.2	1853.3	1853.3	1851.1	1845.7	1836.3	1826.8



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1802.1	1807.0	1813.5	1820.0	1825.0	1827.8	1827.7	1824.9	1819.5	1809.2	1799.6
23°	1791.6	1797.1	1804.1	1810.3	1815.8	1818.4	1818.7	1815.8	1810.6	1800.6	1789.2
23.5°	1780.9	1786.7	1793.8	1799.9	1807.0	1809.9	1810.1	1807.3	1801.3	1791.8	1779.6
24°	1769.6	1776.7	1783.1	1790.4	1796.9	1800.2	1800.8	1798.4	1792.3	1782.1	1769.8
24.5°	1758.6	1765.5	1773.0	1780.1	1787.0	1790.9	1792.0	1789.0	1782.7	1772.1	1759.6
25°	1747.8	1754.4	1762.7	1770.0	1777.0	1781.4	1782.7	1779.5	1773.0	1761.8	1749.0
25.5°	1736.2	1743.6	1751.5	1759.2	1766.7	1771.4	1772.5	1769.6	1763.1	1751.8	1739.0
26°	1724.5	1732.3	1740.7	1748.3	1756.7	1761.1	1762.1	1760.3	1753.3	1741.4	1728.1
26.5°	1712.8	1720.2	1729.2	1737.5	1746.7	1751.5	1752.2	1750.0	1742.6	1731.3	1717.2
27°	1700.3	1708.8	1717.8	1726.7	1735.3	1740.7	1741.9	1739.1	1732.6	1720.5	1706.3
27.5°	1688.3	1696.4	1706.3	1715.4	1725.1	1729.9	1731.2	1728.9	1722.0	1709.9	1694.9
28°	1675.5	1684.7	1693.8	1704.5	1713.7	1718.7	1720.3	1718.4	1711.1	1699.0	1683.3
28.5°	1662.9	1672.0	1682.4	1692.9	1702.0	1708.1	1709.8	1707.9	1700.3	1687.7	1672.5
29°	1650.0	1659.5	1670.6	1680.3	1691.4	1697.7	1699.3	1696.7	1689.3	1676.6	1660.6
29.5°	1636.5	1646.0	1657.9	1668.4	1679.6	1685.5	1688.6	1685.6	1677.7	1665.0	1648.3
30°	1623.9	1633.8	1645.6	1656.9	1667.8	1675.3	1676.3	1674.3	1666.0	1653.3	1636.6
30.5°	1610.5	1619.7	1632.9	1645.1	1655.8	1663.2	1664.5	1662.3	1655.6	1641.4	1624.3
31°	1595.8	1607.4	1620.3	1632.1	1644.1	1650.7	1653.7	1651.7	1643.5	1629.1	1612.2
31.5°	1582.0	1594.0	1607.1	1619.1	1632.3	1639.4	1641.7	1639.4	1631.0	1617.7	1599.8
32°	1568.3	1580.0	1593.7	1607.1	1619.2	1627.0	1629.2	1627.6	1619.9	1605.3	1587.1
32.5°	1554.2	1566.8	1580.8	1594.0	1606.4	1615.0	1617.5	1615.9	1607.1	1593.1	1574.6
33°	1540.0	1552.4	1567.5	1581.1	1594.8	1602.2	1605.6	1603.2	1595.2	1580.6	1561.2
33.5°	1525.6	1538.5	1553.6	1568.3	1581.4	1590.0	1592.5	1591.3	1582.7	1567.6	1548.2
34°	1511.2	1524.3	1539.9	1554.8	1567.7	1577.2	1580.1	1579.3	1570.2	1554.9	1535.2
34.5°	1497.1	1510.0	1525.9	1541.0	1555.0	1564.9	1567.8	1566.2	1556.9	1542.5	1523.5
35°	1482.1	1495.0	1511.8	1527.0	1542.2	1551.4	1555.3	1553.3	1544.5	1529.3	1510.7
35.5°	1466.3	1481.1	1497.5	1513.4	1528.7	1537.6	1542.0	1540.3	1531.7	1517.0	1496.4
36°	1451.2	1466.1	1483.3	1500.1	1514.5	1525.2	1529.0	1527.9	1519.0	1503.0	1482.2
36.5°	1436.2	1450.8	1469.0	1486.3	1501.2	1512.1	1516.0	1515.0	1505.2	1489.2	1467.9
37°	1421.0	1436.3	1454.3	1471.1	1488.2	1498.9	1502.5	1501.2	1491.5	1475.3	1453.7
37.5°	1406.1	1420.9	1439.7	1457.5	1473.8	1485.1	1488.9	1487.5	1477.8	1461.4	1439.6
38°	1390.4	1406.3	1425.3	1443.6	1460.2	1470.9	1475.2	1473.7	1464.1	1447.6	1425.5
38.5°	1375.4	1390.4	1410.7	1428.7	1444.9	1456.8	1461.6	1460.0	1450.4	1433.7	1410.9
39°	1359.6	1375.7	1395.4	1413.9	1431.1	1442.6	1447.4	1446.0	1436.3	1419.5	1396.9
39.5°	1344.5	1360.2	1380.3	1399.2	1416.7	1428.5	1433.0	1431.5	1421.9	1405.7	1382.0
40°	1328.3	1344.4	1364.9	1384.5	1402.2	1414.5	1419.2	1417.5	1408.0	1391.1	1367.7
40.5°	1312.0	1329.0	1349.2	1370.2	1387.2	1400.2	1404.8	1402.9	1393.7	1376.9	1353.2
41°	1295.9	1312.9	1334.2	1354.5	1373.0	1385.1	1390.0	1388.8	1379.2	1362.7	1338.6
41.5°	1280.7	1297.5	1318.9	1339.2	1357.6	1370.6	1375.8	1374.3	1365.1	1347.4	1323.1
42°	1265.1	1282.6	1303.5	1324.2	1342.8	1355.6	1360.6	1360.3	1350.0	1332.0	1308.2
42.5°	1249.3	1266.5	1288.1	1309.0	1327.5	1340.7	1346.1	1345.2	1335.6	1317.7	1292.7
43°	1233.3	1249.7	1272.2	1293.7	1312.7	1326.8	1331.2	1330.3	1320.4	1303.0	1279.0
43.5°	1216.6	1234.7	1256.8	1278.3	1297.9	1311.1	1316.3	1315.4	1305.2	1287.8	1263.4



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	1169.2	1186.9	1209.6	1231.6	1252.3	1265.6	1270.7	1270.1	1260.4	1241.8	1217.1
45.5°	1152.6	1170.5	1193.8	1216.1	1235.8	1249.5	1255.9	1255.0	1244.4	1226.4	1201.6
46°	1136.4	1154.3	1177.8	1200.2	1220.2	1234.8	1240.0	1239.3	1228.7	1211.4	1186.1
46.5°	1120.3	1138.9	1161.3	1184.3	1204.2	1218.6	1224.3	1223.5	1213.5	1195.8	1170.8
47°	1104.5	1122.1	1145.4	1168.9	1189.3	1203.7	1209.2	1208.0	1197.8	1180.0	1154.9
47.5°	1088.4	1107.2	1129.5	1152.7	1173.6	1188.2	1192.6	1192.5	1182.4	1164.4	1139.2
48°	1072.3	1090.2	1113.5	1136.7	1157.6	1172.3	1177.2	1176.3	1166.7	1148.9	1123.6
48.5°	1056.6	1074.5	1098.3	1121.2	1141.0	1155.7	1161.2	1160.8	1150.9	1133.0	1107.3
49°	1040.3	1058.8	1082.5	1105.1	1126.1	1140.2	1145.6	1145.2	1135.5	1117.0	1092.0
49.5°	1024.8	1043.0	1066.4	1089.0	1109.4	1124.9	1130.2	1129.2	1119.2	1101.1	1076.5
50°	1009.1	1026.4	1050.2	1072.5	1094.3	1108.8	1114.3	1113.4	1103.4	1085.6	1060.3
50.5°	993.3	1010.9	1034.1	1057.2	1078.0	1092.8	1098.2	1097.3	1087.7	1069.4	1044.1
51°	977.1	995.0	1018.3	1041.6	1062.3	1076.5	1081.8	1081.1	1070.9	1053.3	1028.4
51.5°	961.9	980.1	1002.3	1025.5	1045.8	1061.0	1065.6	1065.1	1055.3	1037.8	1012.4
52°	946.3	963.5	986.5	1009.0	1030.1	1043.8	1050.0	1049.1	1039.2	1021.1	996.4
52.5°	931.0	948.0	970.7	993.2	1013.8	1028.2	1034.0	1034.4	1023.0	1004.8	980.4
53°	915.5	932.5	954.6	977.5	998.1	1011.9	1018.8	1018.2	1006.7	988.9	964.7
53.5°	899.9	917.3	939.2	961.3	982.1	996.2	1004.2	1000.2	990.6	973.3	948.6
54°	884.5	900.4	923.7	945.3	966.0	979.7	986.8	983.8	973.9	956.8	933.0
54.5°	869.6	885.7	907.6	929.6	949.2	964.0	968.8	967.7	957.9	940.9	917.1
55°	853.8	870.5	892.1	913.8	933.6	947.5	952.5	951.0	941.5	924.7	900.9
55.5°	838.4	855.3	877.0	898.0	917.1	931.4	935.7	934.4	924.9	908.4	884.7
56°	823.4	839.6	861.1	881.8	901.1	914.4	919.4	919.9	909.1	892.1	869.0
56.5°	808.6	824.4	845.4	866.1	885.1	898.1	904.0	903.4	893.0	875.9	853.1
57°	794.0	809.2	829.4	850.5	869.0	882.1	889.5	884.9	877.0	859.9	837.2
57.5°	779.0	794.4	814.0	835.2	852.9	866.1	872.3	868.9	859.4	843.5	821.4
58°	764.1	779.4	799.2	819.3	836.5	849.7	853.4	852.5	843.1	827.4	805.4
58.5°	749.7	764.1	783.4	802.9	820.3	833.0	837.1	836.4	826.7	811.7	789.4
59°	735.3	749.2	767.8	786.9	804.8	816.7	821.1	820.2	810.8	795.1	773.3
59.5°	720.5	734.8	752.7	771.4	788.8	801.4	806.0	802.5	793.9	778.7	758.0
60°	706.4	720.2	737.5	756.2	774.0	785.3	788.9	786.2	777.6	762.7	741.6
60.5°	692.2	705.4	722.7	740.6	758.4	768.1	770.9	769.9	760.6	746.4	726.0
61°	677.9	690.8	708.1	725.2	741.4	751.0	754.0	753.5	744.6	730.0	710.4
61.5°	663.7	676.1	693.0	710.5	724.7	735.2	738.2	736.4	727.5	713.7	694.2
62°	649.4	661.3	677.9	694.8	713.6	720.7	722.9	720.1	711.1	697.9	678.5
62.5°	635.0	646.5	662.7	679.7	696.7	715.4	701.7	703.1	695.0	681.8	662.6
63°	620.9	632.4	647.4	663.6	681.0	695.5	685.5	687.1	678.8	665.6	647.7
63.5°	607.5	618.3	632.4	647.5	663.4	676.3	669.7	670.2	661.7	649.6	632.0
64°	594.0	604.3	617.7	631.8	645.7	657.1	653.7	653.3	645.6	633.6	616.4
64.5°	580.4	590.0	603.2	616.7	629.4	637.9	637.7	636.9	629.3	617.4	600.6
65°	567.0	576.4	589.1	601.8	613.3	620.8	621.3	620.8	613.2	601.3	585.7
65.5°	553.6	562.7	574.5	586.6	597.5	604.2	605.7	604.0	596.6	585.5	570.0
66°	540.2	549.1	559.9	571.9	581.9	589.6	589.4	587.5	580.5	569.6	554.5



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	501.5	508.4	518.4	527.8	535.8	540.3	539.7	538.4	531.8	522.2	509.1
68°	488.5	495.2	504.4	512.9	520.3	524.7	523.3	522.2	515.6	506.2	493.5
68.5°	475.8	481.9	490.1	498.3	505.0	508.6	507.8	505.8	499.1	490.4	478.8
69°	463.0	468.4	476.5	483.6	489.5	492.9	491.4	489.3	482.9	475.0	463.7
69.5°	450.1	455.2	462.8	469.4	474.9	477.5	475.4	472.7	467.1	459.5	449.2
70°	437.4	442.5	449.3	455.4	459.9	461.3	458.8	456.9	451.2	443.9	434.2
70.5°	425.4	429.8	435.9	441.1	444.8	445.5	442.9	440.8	434.8	428.7	419.3
71°	413.3	417.2	422.5	427.1	429.9	430.1	426.7	424.9	419.5	412.9	404.4
71.5°	400.9	404.8	409.1	412.8	415.1	414.5	410.9	408.8	403.5	397.8	390.1
72°	388.8	392.0	395.9	399.0	400.4	399.2	395.3	392.8	387.6	382.4	375.7
72.5°	377.0	379.3	382.8	385.0	386.1	384.1	379.5	376.8	371.8	367.5	361.4
73°	364.9	366.8	369.7	371.4	371.7	368.8	363.8	360.9	356.3	352.3	346.8
73.5°	353.2	354.5	356.9	357.9	357.3	353.8	348.4	345.3	341.0	337.5	332.8
74°	341.9	342.6	344.5	344.7	343.0	338.8	332.8	329.8	325.8	322.6	318.7
74.5°	330.3	330.8	331.8	331.2	328.7	324.1	317.3	314.0	310.4	307.7	305.1
75°	318.7	318.7	319.1	317.5	314.6	309.3	302.3	298.8	295.5	293.4	291.4
75.5°	307.6	307.1	306.7	304.6	300.9	294.7	287.3	283.6	280.2	279.2	278.0
76°	296.5	295.6	294.4	291.7	287.2	280.3	272.3	268.5	265.6	264.9	264.2
76.5°	285.5	284.0	282.3	278.6	273.7	266.0	257.2	253.4	250.9	251.0	251.3
77°	274.5	272.6	270.6	266.5	260.1	251.9	243.0	238.7	236.6	237.0	238.3
77.5°	263.8	261.5	258.8	253.9	246.8	237.9	228.4	224.2	222.0	223.6	225.6
78°	253.3	250.6	247.0	241.5	233.8	224.2	214.4	209.8	208.2	209.9	212.4
78.5°	243.0	239.8	235.8	229.6	221.2	210.8	200.5	195.8	194.3	196.7	200.4
79°	232.8	229.3	224.5	217.7	208.6	197.6	186.8	182.4	181.2	184.5	188.9
79.5°	222.7	218.7	213.5	205.6	196.3	184.5	173.0	169.1	168.2	172.3	177.4
80°	212.8	208.5	202.7	194.3	184.0	171.5	159.9	155.7	155.1	160.0	165.9
80.5°	203.1	198.4	192.1	182.8	172.0	159.3	147.2	142.4	142.1	147.8	154.4
81°	193.9	188.7	181.7	172.1	160.5	147.2	134.7	129.6	129.8	135.6	142.9
81.5°	184.6	179.0	171.6	161.3	149.4	135.4	122.4	116.8	118.0	124.0	132.2
82°	175.3	169.5	161.8	151.1	138.1	123.8	110.6	104.8	106.1	112.8	121.6
82.5°	166.4	160.3	152.1	140.7	127.5	112.7	99.3	93.6	94.9	102.3	111.7
83°	157.9	151.5	142.8	131.2	117.2	101.9	88.3	82.5	84.3	92.1	102.1
83.5°	149.5	142.9	133.8	121.7	107.3	91.8	77.9	72.1	74.3	82.3	92.8
84°	141.3	134.5	125.1	112.5	97.7	81.8	68.0	62.0	64.3	72.9	84.0
84.5°	133.5	126.3	116.6	103.5	88.6	72.5	59.5	52.6	55.1	64.0	75.7
85°	125.7	118.4	108.3	95.3	80.0	64.8	51.2	43.7	46.4	55.8	67.9
85.5°	118.2	110.8	100.5	87.3	71.9	57.2	42.8	35.5	38.5	48.2	60.5
86°	111.0	103.5	93.1	79.7	65.2	49.7	34.4	29.5	31.1	41.3	53.7
86.5°	104.3	96.6	85.9	72.6	58.6	42.1	27.2	23.5	26.3	34.8	47.3
87°	97.6	89.8	79.0	66.7	52.0	34.5	21.0	17.5	21.5	29.2	41.4
87.5°	91.1	83.3	72.8	60.8	45.4	28.6	15.7	11.5	16.6	25.5	36.1
88°	84.9	77.2	67.3	54.9	38.8	23.5	11.2	5.6	11.8	21.8	31.4
88.5°	79.1	71.0	62.0	49.0	33.6	19.2	7.8	2.5	7.2	18.1	27.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	64.1	56.6	46.3	34.2	21.4	10.0	3.5	0.8	3.0	9.1	19.1
90.5°	59.6	51.9	42.0	30.3	18.3	8.1	2.1	0.6	2.6	7.8	16.9
91°	55.1	47.6	38.1	26.9	15.7	7.1	1.6	0.4	2.2	6.8	14.6
91.5°	50.7	43.6	34.4	23.8	13.5	6.2	1.3	0.3	2.0	6.2	12.4
92°	46.8	39.9	31.1	21.2	11.9	5.3	1.0	0.3	1.8	5.7	11.3
92.5°	43.1	36.5	28.1	18.9	10.4	4.4	0.8	0.4	1.7	5.3	10.5
93°	39.8	33.5	25.5	16.9	9.3	4.0	0.7	0.5	1.5	5.0	9.9
93.5°	36.8	30.7	23.2	15.2	8.5	3.6	0.7	0.6	1.4	4.7	9.4
94°	33.9	28.1	21.1	13.8	7.8	3.3	0.6	0.6	1.4	4.6	8.9
94.5°	31.3	25.8	19.3	12.7	7.4	3.0	0.7	0.7	1.4	4.6	8.5
95°	28.9	23.8	17.7	11.8	6.9	2.8	0.7	0.8	1.4	4.5	8.2
95.5°	26.7	21.9	16.4	11.1	6.5	2.5	0.8	0.9	1.4	4.4	8.0
96°	24.8	20.4	15.3	10.5	6.0	2.4	0.9	1.0	1.4	4.3	7.8
96.5°	23.1	19.0	14.4	9.9	5.7	2.2	1.1	1.1	1.4	4.2	7.6
97°	21.6	17.9	13.7	9.5	5.4	2.1	1.1	1.2	1.4	4.0	7.5
97.5°	20.3	16.9	13.0	9.0	5.1	2.0	1.2	1.3	1.3	3.8	7.4
98°	19.2	16.0	12.4	8.6	4.8	1.9	1.3	1.4	1.4	3.7	7.3
98.5°	18.2	15.4	11.9	8.2	4.5	1.8	1.4	1.6	1.5	3.6	7.2
99°	17.4	14.7	11.4	7.8	4.3	1.7	1.5	1.7	1.6	3.6	7.1
99.5°	16.7	14.2	10.9	7.4	4.1	1.7	1.6	1.9	1.7	3.6	6.9
100°	16.1	13.6	10.5	7.0	3.8	1.7	1.8	2.1	1.9	3.6	6.7
100.5°	15.5	13.1	10.0	6.6	3.6	1.7	1.8	2.2	2.0	3.6	6.5
101°	15.0	12.6	9.6	6.3	3.4	1.7	1.9	2.4	2.1	3.5	6.4
101.5°	14.4	12.1	9.2	6.0	3.2	1.7	2.0	2.5	2.2	3.4	6.3
102°	13.8	11.6	8.8	5.6	3.0	1.7	2.1	2.6	2.3	3.3	6.2
102.5°	13.3	11.1	8.4	5.4	2.8	1.7	2.2	2.6	2.4	3.2	6.0
103°	12.8	10.7	8.0	5.1	2.7	1.8	2.4	2.7	2.5	3.1	5.9
103.5°	12.3	10.2	7.7	4.9	2.6	1.9	2.4	2.8	2.6	3.0	5.8
104°	11.9	9.8	7.4	4.7	2.5	2.0	2.5	2.8	2.7	2.9	5.6
104.5°	11.4	9.4	7.1	4.4	2.5	2.2	2.6	2.9	2.8	2.9	5.5
105°	11.0	9.0	6.7	4.2	2.5	2.3	2.9	3.0	2.9	2.9	5.3
105.5°	10.5	8.7	6.4	4.0	2.5	2.4	3.3	3.1	3.0	2.9	5.2
106°	10.1	8.3	6.1	3.8	2.4	2.4	3.7	3.2	3.1	2.8	5.0
106.5°	9.7	8.0	5.9	3.7	2.4	2.4	4.1	3.3	3.4	2.8	4.8
107°	9.3	7.7	5.6	3.5	2.4	2.5	4.4	3.4	3.8	2.7	4.6
107.5°	8.9	7.3	5.3	3.4	2.4	2.6	4.5	3.4	4.0	2.6	4.5
108°	8.6	7.0	5.1	3.3	2.4	2.6	4.4	3.5	4.0	2.7	4.3
108.5°	8.2	6.7	4.8	3.2	2.5	2.7	4.3	3.5	3.9	2.8	4.2
109°	7.9	6.4	4.6	3.1	2.6	2.8	4.2	3.6	3.9	2.9	4.1
109.5°	7.6	6.1	4.4	3.0	2.6	2.9	4.2	3.6	4.0	2.9	4.0
110°	7.3	5.8	4.2	2.9	2.7	3.0	4.1	3.7	4.0	3.0	3.9
110.5°	7.0	5.5	4.1	2.8	2.7	3.1	4.1	3.7	4.1	3.1	3.9
111°	6.7	5.3	3.9	2.8	2.8	3.2	4.1	3.8	4.2	3.2	3.8



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	5.9	4.7	3.4	2.7	2.9	3.7	4.2	3.9	4.6	3.4	3.7
113°	5.6	4.5	3.4	2.7	2.9	3.9	4.3	3.9	4.7	3.5	3.6
113.5°	5.4	4.3	3.3	2.7	3.0	4.1	4.4	4.0	4.7	3.5	3.5
114°	5.2	4.2	3.2	2.8	3.1	4.3	4.4	4.0	4.8	3.6	3.4
114.5°	5.0	4.1	3.2	2.8	3.2	4.5	4.5	4.0	4.9	3.6	3.2
115°	4.8	4.0	3.2	2.8	3.3	4.6	4.5	4.0	4.9	3.7	3.1
115.5°	4.6	3.9	3.2	2.9	3.5	4.8	4.6	4.0	4.9	3.7	3.1
116°	4.4	3.8	3.2	3.0	3.6	5.0	4.6	4.0	5.0	3.8	3.1
116.5°	4.3	3.7	3.1	3.1	3.7	5.2	4.7	4.0	5.0	3.9	3.2
117°	4.2	3.7	3.1	3.2	3.8	5.2	4.7	4.0	5.1	4.0	3.3
117.5°	4.0	3.6	3.0	3.3	3.9	5.2	4.8	4.1	5.1	4.1	3.3
118°	3.9	3.5	3.0	3.4	4.0	5.3	4.9	4.1	5.2	4.2	3.4
118.5°	3.8	3.5	3.1	3.5	4.1	5.5	4.9	4.1	5.2	4.2	3.5
119°	3.7	3.4	3.1	3.6	4.2	5.7	5.0	4.1	5.3	4.3	3.5
119.5°	3.7	3.3	3.1	3.7	4.3	5.9	5.0	4.1	5.3	4.5	3.6
120°	3.6	3.3	3.2	3.8	4.4	6.0	5.1	4.1	5.3	4.6	3.7
120.5°	3.5	3.2	3.2	3.9	4.5	6.1	5.1	4.1	5.3	4.8	3.8
121°	3.5	3.2	3.3	3.9	4.6	6.2	5.1	4.1	5.4	4.9	3.9
121.5°	3.4	3.1	3.4	4.0	4.7	6.3	5.1	4.1	5.4	4.8	4.0
122°	3.3	3.1	3.5	4.1	4.8	6.3	5.1	4.1	5.4	4.8	4.0
122.5°	3.3	3.1	3.5	4.2	5.0	6.3	5.1	4.1	5.4	4.8	4.1
123°	3.2	3.2	3.6	4.2	5.1	6.1	5.0	4.1	5.4	4.9	4.1
123.5°	3.2	3.2	3.7	4.3	5.2	6.0	5.0	4.1	5.5	4.9	4.2
124°	3.1	3.3	3.8	4.4	5.3	5.9	4.9	4.1	5.5	5.0	4.3
124.5°	3.1	3.3	3.9	4.5	5.4	5.8	4.9	4.1	5.5	5.0	4.3
125°	3.1	3.4	3.9	4.5	5.6	5.8	4.9	4.1	5.5	5.1	4.4
125.5°	3.2	3.5	4.0	4.6	5.8	5.7	4.8	4.1	5.5	5.1	4.4
126°	3.2	3.5	4.1	4.7	6.0	5.6	4.8	4.1	5.5	5.2	4.5
126.5°	3.2	3.6	4.2	4.8	6.1	5.6	4.8	4.1	5.5	5.2	4.5
127°	3.3	3.6	4.2	4.9	6.2	5.5	4.7	4.1	5.5	5.3	4.6
127.5°	3.3	3.7	4.3	5.0	6.2	5.5	4.7	4.2	5.5	5.3	4.6
128°	3.4	3.8	4.4	5.1	6.2	5.4	4.7	4.2	5.5	5.3	4.7
128.5°	3.4	3.8	4.4	5.2	6.4	5.4	4.7	4.2	5.5	5.3	4.8
129°	3.5	3.9	4.5	5.3	6.5	5.4	4.7	4.1	5.5	5.3	5.0
129.5°	3.5	4.0	4.6	5.4	6.5	5.4	4.7	4.1	5.5	5.4	5.1
130°	3.6	4.0	4.6	5.5	6.6	5.4	4.7	4.2	5.5	5.4	5.2
130.5°	3.7	4.1	4.7	5.6	6.6	5.4	4.7	4.2	5.5	5.5	5.3
131°	3.7	4.2	4.8	5.7	6.7	5.4	4.6	4.2	5.5	5.5	5.2
131.5°	3.8	4.2	4.9	5.8	6.8	5.4	4.6	4.2	5.5	5.6	5.2
132°	3.8	4.3	5.0	5.9	6.8	5.4	4.6	4.2	5.5	5.6	5.2
132.5°	3.9	4.4	5.0	6.1	6.7	5.3	4.6	4.2	5.5	5.6	5.2
133°	4.0	4.4	5.1	6.2	6.7	5.3	4.6	4.3	5.5	5.6	5.2
133.5°	4.0	4.5	5.2	6.4	6.7	5.3	4.6	4.3	5.4	5.6	5.2



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	4.2	4.8	5.5	6.7	6.5	5.2	4.6	4.3	5.4	5.7	5.1
135.5°	4.3	4.8	5.6	6.8	6.5	5.2	4.6	4.3	5.4	5.7	5.2
136°	4.4	4.9	5.7	6.8	6.4	5.2	4.7	4.3	5.4	5.7	5.2
136.5°	4.4	5.0	5.8	6.8	6.3	5.2	4.7	4.3	5.4	5.7	5.2
137°	4.5	5.1	5.9	6.9	6.2	5.2	4.7	4.3	5.3	5.7	5.3
137.5°	4.6	5.1	6.0	6.9	6.2	5.2	4.7	4.3	5.3	5.7	5.3
138°	4.7	5.2	6.1	7.0	6.1	5.2	4.7	4.3	5.2	5.6	5.3
138.5°	4.7	5.3	6.2	7.0	6.0	5.2	4.8	4.3	5.1	5.6	5.3
139°	4.8	5.4	6.4	7.0	5.9	5.2	4.8	4.3	5.0	5.6	5.3
139.5°	4.9	5.5	6.5	7.0	5.8	5.2	4.8	4.3	5.0	5.6	5.3
140°	5.0	5.6	6.5	6.9	5.7	5.2	4.8	4.3	5.1	5.6	5.3
140.5°	5.0	5.6	6.6	6.9	5.6	5.2	4.8	4.2	5.1	5.7	5.3
141°	5.1	5.7	6.7	6.8	5.6	5.2	4.8	4.2	5.1	5.8	5.3
141.5°	5.2	5.9	6.7	6.7	5.5	5.2	4.8	4.2	5.1	5.8	5.3
142°	5.3	6.0	6.8	6.6	5.4	5.2	4.8	4.2	5.1	5.8	5.3
142.5°	5.4	6.1	6.8	6.5	5.4	5.2	4.8	4.1	5.1	5.8	5.2
143°	5.4	6.3	6.8	6.4	5.3	5.2	4.7	4.0	5.0	5.7	5.2
143.5°	5.5	6.4	6.8	6.3	5.3	5.3	4.7	4.1	5.0	5.5	5.2
144°	5.7	6.4	6.8	6.2	5.2	5.2	4.7	4.1	5.0	5.5	5.3
144.5°	5.8	6.4	6.7	6.1	5.2	5.2	4.8	4.2	5.0	5.7	5.4
145°	6.0	6.5	6.7	6.0	5.2	5.1	4.8	4.2	4.9	5.8	5.4
145.5°	6.2	6.5	6.6	5.9	5.1	5.2	4.8	4.1	4.9	5.8	5.3
146°	6.2	6.5	6.5	5.8	5.1	5.2	4.8	4.1	4.9	5.8	5.3
146.5°	6.2	6.4	6.4	5.6	5.1	5.2	4.8	4.1	4.8	5.8	5.4
147°	6.2	6.4	6.3	5.5	5.0	5.2	4.7	4.1	4.8	5.8	5.5
147.5°	6.2	6.4	6.2	5.4	5.0	5.1	4.6	4.1	4.8	5.8	5.5
148°	6.2	6.4	6.1	5.3	5.0	4.9	4.5	4.2	4.8	5.7	5.5
148.5°	6.2	6.3	6.0	5.2	5.0	4.8	4.6	4.2	4.8	5.7	5.6
149°	6.1	6.2	5.8	5.1	4.9	5.0	4.7	4.2	4.7	5.7	5.6
149.5°	6.1	6.1	5.7	5.0	4.9	5.0	4.7	4.1	4.7	5.6	5.6
150°	6.1	6.0	5.6	5.0	4.9	5.0	4.6	4.2	4.7	5.6	5.6
150.5°	6.0	5.9	5.4	4.9	4.8	4.9	4.6	4.2	4.7	5.6	5.6
151°	6.0	5.8	5.3	4.8	4.7	4.9	4.6	4.2	4.6	5.5	5.4
151.5°	6.0	5.7	5.2	4.8	4.7	4.9	4.5	4.2	4.6	5.5	5.4
152°	5.9	5.5	5.1	4.7	4.8	4.9	4.5	4.2	4.5	5.4	5.5
152.5°	5.8	5.4	5.0	4.7	4.8	4.8	4.5	4.2	4.3	5.3	5.6
153°	5.6	5.3	4.9	4.7	4.8	4.8	4.5	4.1	4.1	5.2	5.6
153.5°	5.5	5.2	4.8	4.6	4.8	4.8	4.4	4.0	4.0	5.2	5.6
154°	5.4	5.1	4.7	4.6	4.8	4.8	4.4	3.9	4.0	5.1	5.6
154.5°	5.2	4.9	4.6	4.6	4.8	4.7	4.4	4.0	3.9	4.8	5.5
155°	5.1	4.8	4.5	4.6	4.8	4.6	4.4	3.9	3.8	4.6	5.3
155.5°	5.0	4.7	4.5	4.5	4.6	4.4	4.3	3.8	3.8	4.4	5.1
156°	4.9	4.6	4.4	4.6	4.6	4.4	4.2	3.6	3.8	4.3	4.8



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	4.6	4.4	4.4	4.5	4.4	4.3	3.6	3.6	3.7	4.2	4.8
158°	4.5	4.4	4.4	4.5	4.6	4.3	3.5	3.6	3.7	4.1	4.8
158.5°	4.4	4.3	4.4	4.5	4.6	4.2	3.5	3.6	3.7	4.1	4.7
159°	4.3	4.3	4.4	4.5	4.5	4.2	3.5	3.6	3.7	4.0	4.6
159.5°	4.3	4.3	4.4	4.4	4.4	4.2	3.5	3.5	3.6	4.0	4.5
160°	4.3	4.3	4.4	4.4	4.3	4.2	3.5	3.5	3.6	4.0	4.4
160.5°	4.2	4.3	4.4	4.3	4.3	4.2	3.5	3.5	3.6	3.9	4.4
161°	4.2	4.3	4.4	4.4	4.4	4.1	3.5	3.5	3.6	3.9	4.3
161.5°	4.2	4.3	4.4	4.5	4.5	3.8	3.5	3.5	3.6	3.8	4.3
162°	4.2	4.3	4.4	4.5	4.4	3.6	3.5	3.5	3.6	3.8	4.2
162.5°	4.2	4.3	4.5	4.6	4.2	3.5	3.4	3.4	3.6	3.8	4.2
163°	4.3	4.4	4.5	4.5	4.2	3.5	3.4	3.4	3.6	3.7	4.1
163.5°	4.3	4.4	4.5	4.5	3.9	3.5	3.4	3.4	3.6	3.7	4.1
164°	4.3	4.4	4.5	4.4	3.6	3.4	3.4	3.4	3.6	3.7	4.0
164.5°	4.3	4.4	4.5	4.3	3.6	3.4	3.4	3.4	3.6	3.7	4.0
165°	4.4	4.4	4.6	4.3	3.6	3.4	3.4	3.4	3.6	3.7	4.0
165.5°	4.4	4.5	4.5	4.2	3.5	3.4	3.4	3.4	3.5	3.6	3.9
166°	4.4	4.5	4.5	4.2	3.5	3.4	3.4	3.4	3.5	3.6	3.9
166.5°	4.4	4.5	4.5	4.2	3.5	3.4	3.4	3.4	3.5	3.6	3.9
167°	4.5	4.5	4.5	4.0	3.5	3.4	3.5	3.4	3.5	3.6	3.9
167.5°	4.5	4.5	4.4	3.7	3.5	3.4	3.5	3.4	3.5	3.6	3.8
168°	4.5	4.6	4.3	3.6	3.4	3.4	3.5	3.4	3.5	3.6	3.8
168.5°	4.5	4.6	4.2	3.6	3.4	3.4	3.5	3.5	3.5	3.6	3.8
169°	4.5	4.5	4.1	3.6	3.4	3.5	3.5	3.5	3.5	3.6	3.7
169.5°	4.5	4.5	4.1	3.5	3.4	3.5	3.6	3.5	3.5	3.7	3.7
170°	4.5	4.4	4.1	3.5	3.4	3.6	3.8	3.7	3.5	3.7	3.9
170.5°	4.5	4.3	3.7	3.5	3.4	3.7	3.9	3.9	3.5	3.9	4.3
171°	4.5	4.2	3.5	3.4	3.5	3.8	4.0	3.9	3.5	4.2	4.2
171.5°	4.4	4.1	3.5	3.4	3.5	3.8	4.1	3.9	3.9	4.2	4.2
172°	4.3	4.0	3.4	3.4	3.6	4.0	4.0	3.9	4.0	4.2	4.2
172.5°	4.2	3.9	3.4	3.3	3.7	4.1	4.0	4.0	3.9	4.1	4.2
173°	4.2	3.9	3.4	3.4	3.7	4.1	4.0	4.0	4.0	4.1	4.2
173.5°	4.1	3.8	3.4	3.4	3.7	4.0	4.0	4.0	4.0	4.0	4.2
174°	4.0	3.5	3.3	3.5	3.7	4.0	4.0	4.0	4.0	4.0	4.2
174.5°	3.9	3.4	3.3	3.5	4.0	4.1	4.0	4.0	4.0	4.0	4.1
175°	3.9	3.4	3.3	3.5	4.0	4.1	4.0	4.0	4.0	4.0	4.1
175.5°	3.8	3.5	3.4	3.6	3.9	4.1	4.0	4.0	4.0	4.0	4.0
176°	3.8	3.5	3.4	3.6	3.9	4.1	4.0	4.0	4.0	4.0	4.0
176.5°	3.8	3.6	3.5	3.6	3.8	4.0	4.0	4.0	4.0	4.0	4.0
177°	3.8	3.6	3.5	3.6	3.9	4.1	4.0	4.0	4.0	4.0	4.0
177.5°	3.7	3.5	3.4	3.6	3.9	4.0	4.0	3.9	3.9	3.9	3.9
178°	3.4	3.3	3.3	3.4	3.6	3.8	3.9	3.9	3.9	3.8	3.8
178.5°	3.5	3.3	3.2	3.3	3.5	3.6	3.7	3.7	3.8	3.8	3.9



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0
0.5°	2028.2	2028.3	2028.3	2028.3	2028.3	2028.4	2028.4	2028.5	2028.5	2028.6	2028.6
1°	2027.7	2027.6	2027.3	2026.9	2026.5	2026.2	2026.5	2026.8	2027.3	2027.8	2028.0
1.5°	2026.5	2026.6	2026.6	2026.4	2026.2	2026.1	2026.4	2026.6	2026.9	2027.1	2027.4
2°	2024.8	2024.8	2024.6	2024.2	2023.9	2023.8	2024.1	2024.6	2025.2	2025.7	2025.8
2.5°	2023.6	2023.4	2022.6	2021.7	2021.8	2022.2	2022.2	2022.3	2023.0	2023.9	2024.4
3°	2021.7	2021.4	2020.3	2020.0	2020.3	2020.6	2020.5	2020.4	2021.0	2021.9	2022.2
3.5°	2018.6	2018.3	2018.1	2017.4	2017.6	2018.3	2018.7	2018.9	2019.5	2020.1	2020.8
4°	2017.0	2016.8	2015.9	2015.2	2015.5	2016.1	2016.5	2016.6	2016.7	2017.6	2018.3
4.5°	2013.8	2013.4	2013.2	2013.2	2013.1	2012.8	2013.0	2013.6	2014.0	2015.2	2016.8
5°	2011.4	2011.0	2009.9	2009.4	2008.8	2008.5	2009.3	2010.5	2011.7	2013.2	2015.1
5.5°	2008.8	2007.8	2007.1	2006.3	2006.0	2006.4	2006.4	2007.3	2008.8	2010.8	2012.7
6°	2005.1	2004.3	2003.7	2003.1	2002.9	2002.5	2002.5	2003.3	2005.1	2006.6	2009.1
6.5°	2001.5	2000.1	1999.5	1999.0	1998.7	1999.0	1999.0	2000.1	2001.8	2003.7	2006.4
7°	1998.7	1997.3	1995.6	1994.6	1994.9	1995.3	1995.7	1996.7	1998.6	2000.1	2003.7
7.5°	1995.3	1993.9	1991.5	1990.8	1990.1	1989.3	1990.4	1992.1	1994.0	1996.5	1999.7
8°	1990.7	1989.5	1987.5	1986.1	1985.4	1985.5	1986.1	1987.8	1989.8	1992.0	1995.8
8.5°	1986.3	1984.0	1982.9	1981.6	1980.5	1980.9	1981.3	1983.1	1985.7	1988.0	1991.8
9°	1981.2	1979.4	1978.0	1976.3	1976.0	1976.0	1976.0	1977.7	1980.9	1984.4	1988.8
9.5°	1977.1	1974.9	1972.2	1971.2	1970.6	1970.3	1970.6	1972.7	1975.8	1979.5	1984.3
10°	1973.7	1970.0	1967.4	1965.7	1965.1	1965.1	1964.9	1967.2	1970.9	1974.9	1979.3
10.5°	1968.0	1964.9	1961.7	1959.7	1958.8	1957.9	1959.4	1962.0	1965.4	1969.9	1975.4
11°	1962.3	1959.1	1955.9	1954.1	1953.0	1952.8	1953.3	1955.6	1959.8	1964.0	1970.0
11.5°	1956.5	1953.0	1949.8	1947.6	1946.7	1945.9	1947.1	1949.6	1953.9	1959.7	1964.0
12°	1951.7	1946.9	1943.3	1941.3	1939.9	1939.5	1941.2	1944.1	1948.1	1954.3	1960.1
12.5°	1946.1	1941.1	1937.4	1935.1	1933.7	1932.2	1934.3	1937.2	1941.7	1947.7	1955.0
13°	1940.1	1934.5	1930.5	1927.8	1925.4	1924.9	1927.4	1930.3	1934.6	1941.5	1948.4
13.5°	1933.0	1927.4	1923.4	1920.2	1918.0	1917.8	1919.9	1922.7	1928.0	1934.6	1942.7
14°	1927.0	1920.8	1916.4	1913.0	1910.5	1911.2	1912.0	1915.6	1921.5	1929.1	1935.6
14.5°	1920.2	1913.3	1909.2	1905.8	1902.2	1902.7	1905.0	1908.1	1914.1	1922.1	1929.7
15°	1913.1	1906.3	1901.9	1897.6	1895.2	1894.7	1896.6	1900.8	1906.2	1914.4	1922.9
15.5°	1906.5	1899.3	1893.5	1889.0	1887.3	1886.1	1888.2	1892.5	1899.0	1907.1	1916.1
16°	1899.3	1891.8	1885.3	1880.4	1877.5	1877.4	1879.3	1884.0	1890.6	1899.2	1908.5
16.5°	1891.5	1883.9	1877.3	1872.0	1869.4	1869.6	1871.2	1875.5	1882.9	1891.5	1901.0
17°	1883.9	1875.7	1869.2	1863.9	1861.0	1860.4	1862.4	1866.9	1874.4	1884.3	1893.6
17.5°	1875.9	1867.5	1860.6	1855.0	1851.8	1850.9	1853.6	1857.8	1865.4	1875.9	1886.6
18°	1867.6	1858.6	1851.6	1845.4	1842.0	1840.9	1843.0	1849.4	1857.1	1867.4	1878.7
18.5°	1859.1	1850.2	1842.0	1835.4	1832.5	1831.9	1834.1	1840.1	1848.8	1858.9	1870.4
19°	1851.3	1840.7	1832.3	1825.8	1823.5	1821.3	1823.6	1829.9	1838.5	1849.9	1861.2
19.5°	1841.6	1831.4	1822.7	1816.0	1813.2	1811.4	1814.0	1819.8	1828.9	1841.3	1853.1
20°	1833.2	1822.7	1813.3	1806.0	1802.0	1801.3	1804.6	1810.2	1819.8	1832.1	1845.6
20.5°	1824.3	1813.0	1803.6	1795.6	1791.0	1790.6	1793.9	1800.6	1810.2	1822.9	1836.9
21°	1814.5	1803.4	1793.4	1785.0	1780.1	1779.9	1783.1	1789.9	1800.4	1813.7	1827.2



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1785.6	1772.4	1761.4	1753.0	1746.7	1745.8	1748.7	1756.1	1768.1	1783.9	1798.7
23°	1776.1	1762.0	1750.8	1741.5	1735.5	1735.2	1737.5	1745.4	1757.8	1773.5	1789.7
23.5°	1765.4	1750.7	1739.2	1729.8	1724.6	1722.5	1725.5	1733.7	1746.7	1762.5	1779.4
24°	1755.2	1740.1	1727.6	1717.1	1712.1	1710.0	1712.8	1722.4	1735.0	1751.5	1768.6
24.5°	1744.5	1729.4	1715.7	1705.0	1700.0	1697.2	1701.5	1711.5	1724.5	1740.7	1758.5
25°	1735.1	1718.2	1705.0	1693.6	1688.2	1685.0	1689.3	1699.5	1713.0	1729.8	1747.6
25.5°	1722.8	1706.4	1693.1	1681.3	1674.8	1672.6	1676.6	1686.4	1700.5	1718.2	1737.4
26°	1711.5	1694.6	1680.3	1669.1	1662.6	1659.7	1664.2	1674.0	1689.3	1707.4	1726.8
26.5°	1700.4	1683.1	1667.7	1656.3	1650.1	1646.9	1650.6	1661.6	1676.9	1695.8	1715.2
27°	1689.7	1671.9	1655.8	1642.9	1636.3	1634.4	1637.9	1648.5	1664.6	1683.6	1703.9
27.5°	1677.8	1658.7	1643.0	1629.6	1622.2	1621.4	1625.0	1635.4	1651.7	1672.2	1692.1
28°	1665.4	1646.6	1630.5	1616.6	1609.6	1607.4	1612.0	1623.5	1639.8	1659.9	1681.2
28.5°	1654.0	1634.9	1617.9	1604.3	1596.2	1593.7	1597.9	1609.9	1627.0	1647.2	1668.3
29°	1642.0	1621.8	1604.7	1590.2	1582.1	1580.9	1585.2	1595.7	1613.0	1634.3	1656.6
29.5°	1629.7	1608.7	1591.3	1576.6	1568.7	1566.1	1569.8	1582.3	1600.3	1622.5	1645.3
30°	1617.2	1595.7	1578.0	1563.0	1554.3	1552.1	1557.0	1569.2	1587.3	1610.0	1632.9
30.5°	1604.4	1583.1	1564.5	1549.1	1541.0	1537.9	1542.6	1555.0	1573.5	1596.5	1620.1
31°	1591.8	1569.8	1550.9	1535.4	1526.8	1523.7	1528.9	1541.5	1560.1	1583.3	1608.1
31.5°	1578.7	1556.6	1537.3	1521.2	1512.0	1508.9	1514.4	1527.7	1546.9	1570.6	1595.0
32°	1565.5	1543.5	1523.7	1506.5	1497.3	1494.2	1499.7	1513.1	1533.5	1557.4	1582.4
32.5°	1553.2	1530.0	1509.4	1491.6	1482.5	1479.4	1485.1	1498.4	1519.5	1544.3	1569.4
33°	1539.6	1515.9	1495.3	1476.8	1467.8	1464.7	1470.5	1483.8	1505.0	1530.9	1556.7
33.5°	1525.6	1501.7	1481.1	1461.9	1453.0	1450.0	1455.9	1469.1	1490.6	1517.2	1543.5
34°	1514.0	1487.7	1467.1	1448.0	1437.3	1435.0	1440.0	1454.4	1476.2	1503.2	1530.2
34.5°	1499.7	1473.7	1452.7	1433.9	1422.7	1419.4	1425.3	1440.2	1461.9	1489.2	1517.4
35°	1485.6	1459.4	1436.9	1418.9	1407.8	1404.1	1410.4	1425.6	1447.5	1475.2	1503.7
35.5°	1471.5	1445.1	1422.4	1404.0	1392.7	1389.0	1395.2	1410.9	1432.7	1461.1	1489.9
36°	1457.3	1431.0	1408.1	1388.1	1376.8	1373.5	1379.6	1394.4	1417.8	1447.1	1476.2
36.5°	1443.0	1416.2	1392.1	1372.9	1360.9	1358.2	1364.2	1379.9	1402.8	1431.8	1462.5
37°	1428.6	1400.8	1377.4	1358.0	1345.3	1341.9	1348.4	1364.9	1387.9	1417.1	1448.2
37.5°	1414.2	1386.0	1362.3	1342.6	1330.8	1326.6	1333.1	1349.1	1372.4	1402.2	1433.9
38°	1399.2	1370.9	1346.7	1326.3	1314.3	1311.6	1317.1	1334.0	1357.9	1387.6	1418.6
38.5°	1384.6	1356.3	1331.4	1311.2	1298.9	1294.8	1301.9	1318.4	1342.6	1373.0	1404.3
39°	1370.0	1341.5	1315.9	1295.4	1283.4	1279.6	1286.6	1303.2	1327.4	1358.1	1389.9
39.5°	1355.0	1326.7	1301.0	1279.8	1268.0	1263.6	1270.0	1287.1	1311.8	1342.9	1375.4
40°	1340.6	1311.1	1285.5	1264.5	1251.7	1247.9	1254.7	1271.6	1296.3	1327.8	1360.6
40.5°	1325.6	1295.8	1270.0	1248.6	1235.6	1232.0	1238.1	1255.3	1281.6	1312.6	1346.2
41°	1310.7	1280.4	1254.3	1232.3	1219.9	1216.0	1223.2	1240.3	1265.6	1297.6	1330.8
41.5°	1295.3	1265.3	1238.9	1217.2	1204.1	1200.5	1206.7	1224.6	1250.3	1282.4	1315.9
42°	1279.9	1249.5	1222.8	1201.3	1187.6	1184.2	1191.3	1208.4	1234.6	1266.6	1301.6
42.5°	1265.3	1234.6	1207.2	1185.5	1172.0	1168.5	1175.2	1192.9	1219.5	1251.0	1285.6
43°	1250.2	1218.6	1191.9	1169.6	1155.6	1152.9	1159.8	1177.4	1203.8	1236.2	1270.8
43.5°	1234.6	1203.4	1176.0	1153.4	1140.4	1136.6	1143.5	1160.9	1187.3	1220.9	1255.4



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	1188.0	1155.8	1128.2	1106.2	1093.1	1088.6	1095.3	1113.7	1139.9	1174.0	1209.6
45.5°	1172.5	1140.5	1113.3	1090.2	1077.0	1073.0	1080.2	1098.1	1124.4	1158.2	1193.8
46°	1156.9	1125.1	1097.0	1074.7	1060.9	1057.8	1064.5	1082.7	1109.3	1142.6	1178.6
46.5°	1141.2	1109.3	1081.4	1058.9	1045.4	1041.8	1048.6	1067.2	1093.8	1127.0	1162.6
47°	1125.8	1093.2	1065.5	1043.1	1029.2	1025.9	1033.1	1050.9	1077.8	1111.2	1147.7
47.5°	1109.7	1077.6	1050.1	1027.4	1013.8	1010.6	1017.4	1035.3	1061.9	1095.6	1131.7
48°	1093.6	1062.3	1033.7	1011.6	998.5	994.5	1001.1	1019.3	1046.2	1079.6	1115.8
48.5°	1077.9	1046.3	1018.6	996.4	983.1	979.0	986.2	1003.8	1030.4	1064.1	1099.7
49°	1062.5	1030.5	1002.8	981.0	967.0	963.4	971.0	988.7	1015.6	1049.0	1084.0
49.5°	1047.5	1014.8	987.7	965.6	951.5	948.7	955.3	973.2	999.3	1033.0	1068.9
50°	1030.4	999.2	971.6	949.7	936.1	932.9	940.4	957.4	984.4	1017.0	1053.4
50.5°	1015.4	983.4	955.3	934.0	921.4	917.8	924.1	941.6	968.5	1001.3	1037.5
51°	999.4	967.4	940.6	919.0	905.7	903.2	909.4	926.7	952.5	985.7	1022.1
51.5°	983.4	952.0	925.4	904.0	890.5	887.7	894.5	912.0	937.6	970.4	1005.9
52°	967.2	937.0	910.1	888.9	875.5	872.5	879.4	897.0	922.5	955.5	990.3
52.5°	951.6	921.4	894.8	873.6	860.9	858.3	864.2	881.8	907.4	939.8	974.6
53°	936.1	905.8	879.0	858.3	845.7	843.4	849.5	866.6	892.0	924.1	959.1
53.5°	920.5	890.3	863.6	843.4	830.8	828.2	835.2	851.3	877.0	908.7	944.1
54°	904.9	875.0	848.4	828.6	816.1	812.7	819.6	836.1	861.5	893.2	928.3
54.5°	889.2	859.1	833.3	813.5	801.3	798.8	805.5	821.4	846.5	877.7	912.0
55°	873.3	843.4	818.4	799.0	786.5	784.0	790.5	806.8	831.3	862.8	896.5
55.5°	858.2	828.4	803.4	784.0	772.7	770.0	776.4	792.1	816.3	847.4	880.5
56°	842.2	813.1	788.2	769.5	758.0	755.7	761.9	777.2	801.2	832.1	865.4
56.5°	826.4	797.5	773.8	755.1	743.2	740.9	747.7	763.0	786.8	816.9	849.6
57°	811.1	782.6	758.6	740.5	729.1	727.2	733.4	748.9	771.7	801.4	834.2
57.5°	794.9	767.8	744.3	725.8	714.8	712.7	718.6	733.9	757.1	786.2	818.4
58°	779.7	752.5	729.4	711.6	701.3	698.8	705.0	719.6	742.3	770.9	803.1
58.5°	764.0	737.8	715.0	697.3	687.0	685.1	691.1	705.4	728.0	756.2	788.1
59°	748.7	722.8	700.2	683.4	672.9	671.0	677.0	691.5	713.4	741.4	772.7
59.5°	733.4	707.6	686.2	669.1	658.8	657.1	663.8	677.4	699.3	726.4	757.2
60°	717.9	693.1	672.1	654.9	645.7	644.0	649.6	663.3	684.6	711.6	741.4
60.5°	702.8	678.2	657.5	641.0	631.7	630.0	635.8	649.3	670.5	696.8	725.9
61°	687.2	663.6	643.1	627.2	618.0	616.6	622.0	635.7	656.1	682.2	711.2
61.5°	672.0	648.9	629.2	614.1	605.5	603.3	609.0	622.1	642.3	667.4	695.5
62°	656.5	634.3	615.5	600.1	591.4	590.2	595.5	608.7	628.0	653.1	680.4
62.5°	641.9	620.0	601.2	586.5	577.9	577.1	582.3	595.0	614.2	638.7	665.4
63°	627.0	605.7	586.9	572.9	565.0	563.8	569.0	581.4	600.1	624.0	650.4
63.5°	612.2	591.1	573.2	559.5	552.2	550.9	556.1	568.0	586.4	609.9	635.8
64°	596.8	576.8	560.2	546.4	539.2	538.0	542.8	554.9	572.5	595.7	620.6
64.5°	582.1	562.6	546.2	533.1	525.9	525.3	530.2	541.6	558.9	581.1	605.8
65°	567.3	548.6	532.5	520.2	513.5	512.4	517.5	528.7	545.6	567.1	591.0
65.5°	552.6	534.6	519.6	507.4	500.6	499.8	504.8	515.7	532.4	553.0	576.3
66°	538.3	520.7	506.4	494.1	487.6	486.9	491.6	502.4	518.7	539.2	561.4



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	494.1	478.9	466.0	456.1	450.7	450.0	454.6	464.4	478.9	497.4	517.3
68°	479.7	465.4	453.0	443.4	438.5	438.2	442.4	452.0	465.6	483.8	503.4
68.5°	465.7	451.7	440.1	431.2	426.4	425.7	430.2	439.6	453.0	470.3	489.3
69°	451.4	438.2	427.4	418.9	414.3	414.1	418.0	427.2	440.1	456.7	475.2
69.5°	437.3	424.9	414.5	406.4	401.9	401.9	405.9	414.8	427.2	443.0	460.7
70°	423.5	411.7	402.1	394.1	390.3	390.5	394.2	402.5	414.4	429.5	446.4
70.5°	409.0	398.5	389.3	382.4	378.8	378.9	382.6	390.4	401.8	416.5	432.0
71°	395.3	385.4	377.1	370.6	367.2	367.2	370.9	378.5	389.5	403.2	418.7
71.5°	381.8	372.4	364.7	358.6	355.4	355.6	359.4	366.5	377.1	390.2	404.5
72°	368.1	359.7	352.5	346.9	344.1	344.7	348.0	354.9	364.9	377.4	391.0
72.5°	354.4	346.9	340.4	335.3	332.9	333.2	336.8	343.3	352.7	364.4	377.0
73°	341.2	334.3	328.4	323.8	321.5	322.1	325.3	331.7	340.2	351.6	364.2
73.5°	327.8	321.8	316.3	312.4	310.6	311.0	314.4	320.0	328.5	338.9	350.3
74°	314.5	309.3	304.8	301.4	299.5	300.6	303.3	308.9	316.7	326.6	336.9
74.5°	301.5	297.1	293.1	290.4	288.9	289.8	292.7	298.0	305.1	314.1	323.5
75°	288.8	285.2	281.9	279.2	278.1	279.1	281.9	286.7	293.5	301.8	311.0
75.5°	276.2	273.2	270.3	268.5	267.7	268.6	271.2	275.7	281.9	289.6	297.9
76°	263.3	261.4	259.5	257.7	257.0	258.2	260.7	265.1	270.9	277.6	285.2
76.5°	251.0	249.7	248.4	247.2	246.9	248.0	250.4	254.5	259.6	265.7	272.4
77°	238.9	238.2	237.8	237.0	236.8	238.0	240.3	243.9	248.6	254.0	260.0
77.5°	226.6	227.0	226.9	227.0	227.1	228.3	230.6	233.6	237.9	242.5	247.2
78°	214.9	216.2	216.6	216.9	217.7	218.7	220.6	223.7	227.5	231.3	235.3
78.5°	203.6	205.7	206.5	207.1	208.1	209.3	211.2	213.8	216.7	220.2	223.3
79°	192.1	194.8	196.4	197.7	198.7	200.1	201.8	204.2	206.6	209.2	211.7
79.5°	181.4	184.6	186.9	188.4	189.7	191.1	193.0	194.7	196.6	198.6	199.8
80°	170.7	175.1	177.9	179.8	181.4	182.5	183.9	185.3	187.2	188.1	188.8
80.5°	160.1	165.5	169.0	171.4	173.1	174.3	175.5	176.6	178.2	178.2	178.2
81°	149.4	156.0	160.0	162.9	164.9	166.1	167.3	168.3	169.2	168.6	167.7
81.5°	139.5	146.3	151.1	154.5	156.6	157.9	159.0	159.9	160.2	159.1	157.2
82°	130.3	137.1	142.2	146.0	148.3	149.7	150.8	151.5	151.1	149.4	146.7
82.5°	120.8	128.6	134.0	137.9	140.6	142.1	143.1	143.3	142.2	140.2	136.4
83°	111.7	120.0	125.9	130.2	133.0	134.7	135.4	135.3	133.9	131.2	127.0
83.5°	103.1	111.7	118.2	122.7	125.5	127.1	128.0	127.6	125.9	122.6	117.6
84°	94.8	103.9	110.6	115.4	118.4	120.2	120.8	120.2	118.1	114.2	108.7
84.5°	86.9	96.5	103.5	108.4	111.5	113.2	113.8	113.0	110.6	106.2	99.9
85°	79.4	89.3	96.4	101.6	105.0	106.7	107.0	106.0	103.2	98.6	91.8
85.5°	72.3	82.3	89.8	95.1	98.4	100.0	100.4	99.3	96.2	91.2	84.0
86°	65.6	75.6	83.4	88.9	92.3	94.0	94.3	92.9	89.4	84.1	76.6
86.5°	59.2	69.6	77.4	82.9	86.4	88.0	88.3	86.7	83.2	77.3	69.4
87°	53.4	63.8	71.6	77.2	80.9	82.5	82.6	80.8	77.1	71.0	62.8
87.5°	47.9	58.2	66.2	72.0	75.5	77.2	77.1	75.3	71.3	65.1	56.6
88°	43.0	53.2	61.2	66.9	70.4	72.0	72.0	70.0	65.8	59.6	50.8
88.5°	38.5	48.5	56.4	62.1	65.5	67.2	67.0	64.9	60.8	54.4	45.6



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	27.5	36.5	44.0	49.4	52.9	54.4	54.0	51.7	47.2	40.8	32.2
90.5°	24.7	33.3	40.5	45.8	49.2	50.6	50.2	47.9	43.5	37.0	28.7
91°	22.2	30.4	37.3	42.6	45.8	47.1	46.7	44.4	40.0	33.6	25.6
91.5°	20.1	27.8	34.5	39.5	42.7	43.9	43.5	41.2	36.8	30.6	22.9
92°	18.8	25.6	31.9	36.7	39.8	41.0	40.5	38.1	34.0	28.0	20.6
92.5°	17.6	23.7	29.6	34.2	37.1	38.2	37.8	35.4	31.3	25.6	19.1
93°	16.4	22.0	27.6	32.0	34.8	35.8	35.3	33.1	29.1	23.6	17.8
93.5°	15.2	20.6	26.0	30.0	32.7	33.7	33.1	31.0	27.1	21.9	16.5
94°	14.0	19.5	24.5	28.3	30.8	31.8	31.2	29.1	25.4	20.4	15.1
94.5°	13.3	18.5	23.2	26.9	29.2	30.1	29.5	27.4	23.9	19.2	13.8
95°	12.8	17.7	22.1	25.6	27.8	28.6	28.0	26.0	22.6	18.1	13.0
95.5°	12.3	17.0	21.2	24.4	26.5	27.2	26.6	24.7	21.5	17.3	12.5
96°	11.9	16.5	20.3	23.4	25.3	26.0	25.4	23.6	20.5	16.6	12.1
96.5°	11.6	16.0	19.6	22.4	24.3	25.0	24.4	22.7	19.7	16.0	11.6
97°	11.3	15.5	18.9	21.6	23.4	24.0	23.5	21.9	19.0	15.4	11.1
97.5°	11.1	15.0	18.3	20.9	22.5	23.2	22.7	21.2	18.5	14.8	10.6
98°	10.9	14.5	17.8	20.3	21.9	22.4	22.0	20.6	17.9	14.1	10.2
98.5°	10.8	14.2	17.3	19.7	21.2	21.8	21.4	19.9	17.3	13.6	9.8
99°	10.6	13.9	16.9	19.1	20.6	21.2	20.7	19.3	16.7	13.1	9.6
99.5°	10.5	13.7	16.5	18.7	20.0	20.6	20.1	18.6	16.3	12.7	9.5
100°	10.3	13.5	16.2	18.3	19.5	20.0	19.5	18.1	15.8	12.4	9.4
100.5°	10.2	13.3	15.9	17.9	19.1	19.5	19.0	17.6	15.3	12.2	9.3
101°	10.0	13.1	15.6	17.5	18.7	19.1	18.5	17.1	14.8	12.0	9.2
101.5°	9.9	12.9	15.4	17.2	18.3	18.6	18.1	16.6	14.4	11.9	9.1
102°	9.7	12.8	15.1	16.8	17.9	18.2	17.7	16.3	14.2	11.7	8.9
102.5°	9.5	12.6	14.8	16.6	17.6	17.9	17.3	16.1	14.0	11.6	8.7
103°	9.3	12.4	14.6	16.3	17.3	17.6	17.1	15.9	13.8	11.5	8.5
103.5°	9.1	12.2	14.4	16.1	17.0	17.4	16.9	15.7	13.6	11.3	8.3
104°	8.9	12.0	14.2	15.8	16.8	17.1	16.6	15.5	13.5	11.2	8.0
104.5°	8.7	11.8	14.0	15.6	16.5	16.9	16.4	15.3	13.4	11.0	7.8
105°	8.5	11.5	13.8	15.3	16.3	16.7	16.2	15.1	13.2	10.8	7.6
105.5°	8.3	11.3	13.5	15.1	16.1	16.5	16.1	14.8	13.0	10.5	7.4
106°	8.1	11.0	13.3	14.8	15.8	16.3	15.9	14.7	12.8	10.2	7.1
106.5°	8.0	10.8	13.0	14.6	15.5	16.0	15.6	14.5	12.6	9.9	6.9
107°	7.8	10.6	12.7	14.4	15.3	15.8	15.4	14.2	12.3	9.7	6.7
107.5°	7.6	10.3	12.4	14.1	15.0	15.5	15.1	13.9	12.0	9.4	6.6
108°	7.4	10.1	12.2	13.8	14.7	15.2	14.8	13.7	11.7	9.2	6.4
108.5°	7.2	9.9	11.9	13.5	14.5	14.9	14.6	13.3	11.4	8.9	6.3
109°	7.0	9.7	11.7	13.2	14.2	14.6	14.3	13.0	11.1	8.7	6.1
109.5°	6.8	9.5	11.5	12.9	13.8	14.3	13.9	12.7	10.8	8.4	5.9
110°	6.6	9.3	11.2	12.6	13.5	13.9	13.6	12.4	10.5	8.2	5.8
110.5°	6.4	9.0	10.9	12.3	13.2	13.6	13.3	12.1	10.2	8.0	5.6
111°	6.2	8.8	10.7	12.1	12.9	13.3	12.9	11.8	9.9	7.8	5.4



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	5.5	8.0	10.0	11.2	12.0	12.3	12.0	10.9	9.2	7.3	4.9
113°	5.3	7.8	9.8	11.0	11.7	12.0	11.7	10.6	8.9	7.1	4.7
113.5°	5.1	7.6	9.5	10.7	11.5	11.8	11.5	10.4	8.7	7.0	4.6
114°	4.9	7.3	9.3	10.5	11.2	11.5	11.2	10.1	8.5	6.8	4.4
114.5°	4.8	7.1	9.1	10.3	11.0	11.2	10.9	9.9	8.3	6.6	4.3
115°	4.7	6.8	8.8	10.1	10.7	11.0	10.7	9.6	8.1	6.4	4.2
115.5°	4.6	6.6	8.5	9.8	10.5	10.6	10.4	9.4	7.8	6.1	4.1
116°	4.5	6.3	8.3	9.6	10.3	10.4	10.1	9.1	7.6	5.9	4.0
116.5°	4.4	6.1	8.0	9.4	10.1	10.2	9.9	8.8	7.4	5.7	3.9
117°	4.3	5.8	7.8	9.1	9.8	9.9	9.6	8.6	7.2	5.5	3.9
117.5°	4.3	5.6	7.4	8.8	9.6	9.7	9.3	8.3	6.9	5.3	3.8
118°	4.2	5.4	7.2	8.6	9.3	9.5	9.1	8.1	6.6	5.2	3.7
118.5°	4.1	5.3	6.9	8.3	9.1	9.2	8.8	7.9	6.3	5.0	3.6
119°	4.0	5.1	6.6	8.0	8.8	8.9	8.6	7.6	6.1	4.8	3.4
119.5°	3.9	5.0	6.3	7.7	8.5	8.7	8.3	7.3	5.9	4.7	3.2
120°	3.7	4.9	6.1	7.4	8.2	8.4	8.1	7.0	5.7	4.6	3.1
120.5°	3.5	4.7	5.9	7.1	7.9	8.1	7.8	6.7	5.5	4.4	3.1
121°	3.3	4.6	5.7	6.8	7.6	7.8	7.4	6.5	5.3	4.3	3.0
121.5°	3.3	4.5	5.6	6.6	7.3	7.5	7.2	6.3	5.1	4.2	2.9
122°	3.3	4.5	5.4	6.3	7.0	7.2	6.9	6.0	5.0	4.1	2.9
122.5°	3.4	4.4	5.3	6.1	6.7	6.9	6.6	5.9	4.8	4.0	3.0
123°	3.4	4.3	5.1	5.9	6.5	6.7	6.4	5.7	4.7	3.8	3.1
123.5°	3.5	4.1	5.0	5.8	6.3	6.4	6.2	5.5	4.5	3.6	3.1
124°	3.6	4.0	4.8	5.6	6.1	6.2	6.0	5.4	4.4	3.3	3.2
124.5°	3.6	3.8	4.7	5.4	5.9	6.0	5.8	5.2	4.3	3.2	3.2
125°	3.7	3.6	4.6	5.3	5.7	5.8	5.6	5.1	4.2	3.1	3.3
125.5°	3.8	3.3	4.5	5.2	5.5	5.6	5.5	4.9	4.1	2.9	3.3
126°	3.8	3.2	4.4	5.0	5.4	5.5	5.3	4.8	3.9	2.8	3.4
126.5°	3.9	3.3	4.2	4.9	5.3	5.3	5.2	4.7	3.7	2.8	3.4
127°	4.0	3.3	4.0	4.8	5.1	5.2	5.1	4.6	3.5	2.8	3.5
127.5°	4.0	3.4	3.8	4.7	5.0	5.1	5.0	4.5	3.4	2.8	3.5
128°	4.1	3.4	3.6	4.5	4.9	5.0	4.9	4.3	3.2	2.9	3.5
128.5°	4.2	3.5	3.4	4.3	4.8	4.8	4.7	4.1	3.1	3.0	3.5
129°	4.3	3.5	3.2	4.1	4.6	4.7	4.6	3.9	3.0	3.0	3.5
129.5°	4.3	3.6	3.2	3.9	4.5	4.6	4.4	3.7	2.9	3.1	3.5
130°	4.3	3.7	3.3	3.7	4.2	4.4	4.1	3.5	3.0	3.1	3.5
130.5°	4.4	3.7	3.3	3.5	4.0	4.1	3.9	3.4	3.0	3.2	3.6
131°	4.4	3.8	3.4	3.3	3.8	3.9	3.7	3.2	3.1	3.2	3.6
131.5°	4.4	3.8	3.4	3.2	3.6	3.7	3.6	3.1	3.1	3.3	3.6
132°	4.5	3.9	3.5	3.2	3.4	3.5	3.4	3.1	3.2	3.4	3.7
132.5°	4.6	4.0	3.5	3.3	3.2	3.3	3.2	3.1	3.2	3.4	3.7
133°	4.7	4.0	3.6	3.3	3.2	3.2	3.2	3.2	3.3	3.5	3.8
133.5°	4.8	4.1	3.6	3.4	3.2	3.1	3.2	3.2	3.3	3.6	4.0



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	5.0	4.3	3.8	3.5	3.3	3.3	3.3	3.4	3.5	3.8	4.3
135.5°	5.1	4.4	3.8	3.6	3.4	3.3	3.4	3.4	3.6	3.9	4.3
136°	5.2	4.4	3.9	3.6	3.4	3.4	3.4	3.5	3.6	3.9	4.4
136.5°	5.2	4.5	4.0	3.7	3.5	3.4	3.5	3.5	3.7	4.0	4.4
137°	5.2	4.6	4.0	3.7	3.6	3.5	3.5	3.6	3.8	4.1	4.4
137.5°	5.2	4.6	4.1	3.8	3.6	3.5	3.6	3.6	3.9	4.2	4.3
138°	5.1	4.7	4.2	3.8	3.7	3.6	3.7	3.7	3.9	4.3	4.2
138.5°	5.0	4.8	4.2	3.9	3.7	3.6	3.7	3.7	4.0	4.4	4.2
139°	5.0	4.9	4.3	3.9	3.8	3.7	3.8	3.8	4.1	4.5	4.1
139.5°	5.0	4.9	4.4	4.0	3.8	3.7	3.8	3.9	4.2	4.6	4.1
140°	5.0	5.0	4.5	4.1	3.9	3.8	3.9	3.9	4.2	4.6	4.1
140.5°	5.0	5.1	4.6	4.1	3.9	3.9	3.9	4.0	4.4	4.6	4.1
141°	4.9	5.1	4.7	4.2	4.0	3.9	4.0	4.1	4.5	4.7	4.1
141.5°	4.9	5.2	4.9	4.3	4.0	4.0	4.1	4.2	4.7	4.7	4.1
142°	4.9	5.2	4.9	4.4	4.1	4.0	4.1	4.3	4.7	4.6	4.1
142.5°	5.0	5.1	4.9	4.5	4.2	4.1	4.2	4.4	4.8	4.5	4.1
143°	5.0	4.9	5.0	4.6	4.3	4.2	4.3	4.6	4.8	4.4	4.1
143.5°	5.0	4.9	5.0	4.8	4.4	4.3	4.4	4.7	4.8	4.4	4.1
144°	5.0	4.9	5.1	4.9	4.5	4.4	4.6	4.9	4.9	4.4	4.1
144.5°	5.0	4.8	5.2	5.0	4.7	4.6	4.8	4.9	4.9	4.4	4.1
145°	4.9	4.8	5.1	5.0	4.8	4.8	4.9	4.9	4.8	4.3	4.1
145.5°	4.9	4.8	4.9	5.0	4.9	4.9	4.9	5.0	4.6	4.3	4.1
146°	4.9	4.8	4.8	5.1	5.0	4.9	5.0	5.0	4.5	4.3	4.1
146.5°	5.0	4.8	4.8	5.1	5.0	5.0	5.0	5.0	4.5	4.3	4.0
147°	5.0	4.8	4.8	5.0	5.1	5.1	5.1	4.9	4.5	4.3	4.0
147.5°	5.0	4.8	4.8	4.9	5.1	5.2	5.1	4.8	4.5	4.3	4.0
148°	5.0	4.8	4.8	4.8	5.0	5.1	5.0	4.7	4.5	4.3	4.0
148.5°	5.0	4.8	4.8	4.8	4.8	5.0	4.9	4.7	4.5	4.3	4.0
149°	5.0	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.5	4.2	4.0
149.5°	5.0	4.8	4.8	4.8	4.7	4.8	4.8	4.7	4.5	4.2	4.0
150°	5.0	4.8	4.8	4.8	4.7	4.8	4.8	4.6	4.5	4.2	4.0
150.5°	4.9	4.8	4.8	4.8	4.7	4.8	4.8	4.6	4.5	4.2	4.0
151°	4.9	4.8	4.8	4.8	4.7	4.8	4.7	4.6	4.5	4.1	4.0
151.5°	5.0	4.7	4.7	4.8	4.7	4.7	4.8	4.7	4.4	4.1	4.0
152°	5.1	4.7	4.7	4.8	4.7	4.8	4.8	4.6	4.4	4.1	4.0
152.5°	5.2	4.7	4.7	4.7	4.7	4.8	4.8	4.6	4.4	4.1	4.1
153°	5.2	4.7	4.7	4.7	4.7	4.8	4.8	4.6	4.4	4.1	4.1
153.5°	5.2	4.7	4.6	4.7	4.7	4.8	4.7	4.6	4.4	4.1	4.1
154°	5.2	4.8	4.6	4.7	4.7	4.7	4.7	4.6	4.4	4.2	4.1
154.5°	5.3	4.8	4.6	4.6	4.7	4.7	4.6	4.6	4.4	4.2	4.2
155°	5.3	4.9	4.7	4.6	4.6	4.7	4.6	4.6	4.4	4.2	4.2
155.5°	5.2	5.0	4.7	4.6	4.6	4.7	4.6	4.6	4.4	4.3	4.2
156°	5.0	5.1	4.7	4.6	4.6	4.7	4.6	4.6	4.5	4.3	4.3



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	5.3	5.0	4.9	4.7	4.6	4.7	4.7	4.6	4.6	4.5	4.4
158°	5.1	4.9	4.9	4.7	4.6	4.7	4.7	4.7	4.6	4.5	4.4
158.5°	4.8	4.8	4.9	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.5
159°	4.7	4.8	5.0	4.9	4.7	4.7	4.7	4.8	4.7	4.7	4.5
159.5°	4.7	4.8	5.1	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.6
160°	4.6	4.8	5.2	5.0	4.8	4.8	4.8	4.8	4.9	4.8	4.6
160.5°	4.6	4.8	5.2	5.1	4.9	4.9	4.9	4.9	5.0	4.9	4.7
161°	4.6	4.8	5.1	5.1	5.0	4.9	4.9	5.0	5.0	4.9	4.7
161.5°	4.6	4.7	4.9	5.2	5.0	5.0	5.0	5.1	5.1	5.0	4.8
162°	4.5	4.6	4.9	5.2	5.1	5.1	5.1	5.2	5.2	5.1	4.8
162.5°	4.5	4.6	4.8	5.3	5.2	5.1	5.2	5.2	5.3	5.1	4.7
163°	4.5	4.6	4.8	5.3	5.3	5.2	5.2	5.3	5.3	5.1	4.7
163.5°	4.4	4.6	4.7	5.1	5.3	5.3	5.3	5.3	5.3	5.1	4.8
164°	4.4	4.6	4.6	5.0	5.4	5.3	5.4	5.4	5.4	5.2	4.8
164.5°	4.4	4.5	4.6	4.9	5.4	5.4	5.4	5.5	5.4	5.3	4.2
165°	4.3	4.5	4.6	4.9	5.4	5.4	5.5	5.5	5.4	4.9	4.0
165.5°	4.3	4.5	4.5	4.8	5.4	5.5	5.5	5.5	5.3	4.2	4.6
166°	4.2	4.5	4.5	4.6	5.3	5.5	5.5	5.5	5.3	4.3	4.8
166.5°	4.2	4.6	4.5	4.5	5.2	5.5	5.5	5.6	5.3	4.9	4.2
167°	4.1	4.8	4.6	4.5	5.1	5.5	5.5	5.6	4.7	4.8	3.7
167.5°	4.1	4.9	4.7	4.4	5.0	5.5	5.5	5.6	4.2	4.0	4.2
168°	4.2	4.9	4.8	4.4	4.9	5.5	5.5	5.5	4.7	3.7	4.7
168.5°	4.4	4.9	5.1	4.5	4.6	5.4	5.5	5.4	5.1	4.7	4.4
169°	4.4	4.9	5.1	4.5	4.4	5.4	5.4	5.4	4.1	4.8	4.3
169.5°	4.3	4.8	5.0	4.6	4.3	5.3	5.4	5.0	3.6	4.7	4.5
170°	4.4	4.7	4.9	4.8	4.3	5.1	5.4	4.3	4.8	4.7	4.5
170.5°	4.5	4.6	4.8	4.9	4.3	5.0	5.3	4.1	4.8	4.8	4.5
171°	4.4	4.6	4.7	4.9	4.3	4.9	5.2	4.2	4.6	4.7	4.5
171.5°	4.4	4.5	4.7	4.8	4.3	4.7	5.1	3.6	4.8	4.6	4.4
172°	4.3	4.4	4.6	4.7	4.5	4.2	5.0	3.8	4.8	4.6	4.4
172.5°	4.3	4.4	4.5	4.6	4.5	4.1	4.8	4.4	4.6	4.5	4.3
173°	4.2	4.3	4.4	4.6	4.5	4.0	4.6	4.4	4.5	4.4	4.2
173.5°	4.2	4.3	4.4	4.5	4.5	4.0	3.9	4.5	4.4	4.2	4.1
174°	4.2	4.3	4.3	4.4	4.5	3.9	3.4	4.4	4.3	4.1	4.0
174.5°	4.2	4.2	4.3	4.3	4.4	3.8	3.1	4.3	4.2	4.0	4.0
175°	4.1	4.2	4.2	4.3	4.3	3.7	3.7	4.2	4.1	4.0	3.9
175.5°	4.1	4.1	4.2	4.2	4.2	3.8	4.1	4.1	4.0	3.9	3.9
176°	4.0	4.1	4.1	4.1	4.1	3.7	4.0	3.9	3.9	3.9	3.9
176.5°	4.0	4.0	4.1	4.0	4.0	3.6	3.9	3.8	3.9	3.9	3.9
177°	4.0	3.9	3.9	3.8	3.7	3.9	3.9	3.9	3.9	3.9	3.8
177.5°	3.9	3.8	3.8	3.8	3.8	1.5	3.9	3.9	3.8	3.8	3.8
178°	3.8	3.8	3.8	3.9	3.9	2.3	3.9	3.8	3.8	3.8	3.8
178.5°	3.9	3.9	3.9	3.8	3.5	3.0	3.6	3.8	3.9	3.9	3.8



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2029.0	2029.0	2029.0	2029.0
0.5°	2028.5	2028.5	2028.5	2028.5
1°	2028.2	2028.2	2028.2	2028.2
1.5°	2027.7	2027.9	2027.9	2028.3
2°	2026.0	2026.9	2027.7	2027.9
2.5°	2024.3	2024.7	2026.4	2027.2
3°	2022.8	2024.0	2025.6	2025.7
3.5°	2021.9	2023.7	2024.2	2024.4
4°	2020.5	2022.6	2022.6	2023.5
4.5°	2017.6	2019.9	2020.5	2021.3
5°	2016.0	2017.5	2019.2	2020.0
5.5°	2014.6	2015.3	2017.3	2018.7
6°	2011.3	2013.9	2015.0	2017.1
6.5°	2008.2	2010.0	2012.7	2015.0
7°	2006.7	2007.3	2011.1	2013.0
7.5°	2003.0	2005.4	2006.7	2010.1
8°	1999.0	2001.8	2005.1	2008.1
8.5°	1994.9	1998.1	2002.1	2004.3
9°	1991.7	1994.5	1998.4	2002.1
9.5°	1987.8	1990.9	1994.7	1998.4
10°	1983.0	1986.2	1991.3	1994.4
10.5°	1979.0	1983.1	1986.6	1990.7
11°	1974.3	1979.6	1983.8	1986.6
11.5°	1969.5	1974.8	1980.0	1982.2
12°	1964.9	1970.0	1975.9	1978.1
12.5°	1959.2	1965.0	1970.9	1974.2
13°	1953.6	1959.7	1966.0	1969.5
13.5°	1948.2	1954.4	1961.4	1964.3
14°	1942.4	1949.2	1955.7	1959.4
14.5°	1936.3	1944.4	1950.1	1954.5
15°	1930.1	1938.0	1944.5	1948.8
15.5°	1923.3	1931.5	1938.8	1943.6
16°	1916.6	1925.4	1933.6	1937.3
16.5°	1909.7	1918.6	1927.9	1930.4
17°	1903.1	1912.0	1920.9	1924.0
17.5°	1896.0	1905.4	1913.4	1918.6
18°	1888.9	1898.9	1906.9	1912.7
18.5°	1881.6	1892.0	1900.3	1905.3
19°	1873.6	1884.5	1893.3	1898.2
19.5°	1864.7	1877.0	1886.0	1891.0
20°	1856.6	1869.1	1878.2	1884.0
20.5°	1848.9	1860.7	1870.8	1876.7
21°	1841.1	1852.3	1862.5	1869.6



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1813.3	1827.1	1838.6	1844.7
23°	1804.0	1818.2	1829.6	1837.3
23.5°	1794.6	1808.9	1820.6	1828.1
24°	1785.0	1799.9	1811.8	1819.3
24.5°	1774.9	1790.5	1803.0	1811.0
25°	1765.2	1780.6	1793.9	1802.0
25.5°	1754.3	1771.2	1783.9	1792.4
26°	1744.9	1761.1	1774.4	1783.0
26.5°	1734.1	1750.9	1764.6	1773.1
27°	1723.5	1740.8	1754.3	1763.3
27.5°	1712.2	1731.1	1744.2	1753.6
28°	1701.3	1719.6	1734.2	1743.0
28.5°	1689.9	1708.9	1723.5	1732.7
29°	1677.8	1697.7	1713.0	1723.2
29.5°	1667.3	1686.2	1701.9	1712.6
30°	1655.6	1675.6	1690.9	1701.3
30.5°	1643.3	1663.7	1679.9	1690.6
31°	1630.7	1652.6	1668.7	1679.8
31.5°	1619.3	1639.9	1657.0	1668.4
32°	1606.6	1628.2	1645.0	1656.1
32.5°	1594.3	1616.0	1633.3	1644.4
33°	1582.1	1604.4	1621.2	1633.1
33.5°	1569.8	1592.7	1609.1	1621.0
34°	1556.3	1579.8	1596.9	1608.4
34.5°	1543.7	1566.7	1584.1	1595.7
35°	1530.8	1554.4	1572.0	1583.9
35.5°	1517.2	1541.2	1559.3	1571.6
36°	1503.9	1528.4	1546.3	1558.8
36.5°	1490.5	1515.0	1534.4	1545.7
37°	1477.1	1501.6	1521.6	1533.0
37.5°	1463.8	1488.2	1508.7	1520.5
38°	1449.8	1474.9	1494.5	1508.0
38.5°	1434.6	1461.5	1480.4	1494.0
39°	1420.1	1447.5	1466.2	1479.5
39.5°	1406.0	1433.2	1452.3	1465.2
40°	1391.8	1419.2	1439.2	1451.4
40.5°	1377.7	1405.2	1425.6	1438.3
41°	1362.8	1390.7	1411.1	1424.4
41.5°	1348.4	1375.8	1397.2	1409.8
42°	1333.0	1361.4	1382.7	1396.0
42.5°	1318.2	1347.0	1367.9	1382.0
43°	1303.3	1332.0	1353.2	1367.4
43.5°	1288.4	1317.0	1339.0	1352.1



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	1242.7	1272.8	1294.4	1307.7
45.5°	1227.8	1257.4	1278.9	1293.2
46°	1212.2	1242.3	1263.8	1277.6
46.5°	1196.9	1227.0	1248.3	1261.7
47°	1182.0	1211.7	1233.3	1246.3
47.5°	1166.0	1196.4	1217.9	1231.5
48°	1150.8	1180.1	1202.1	1216.5
48.5°	1134.6	1165.1	1186.9	1200.6
49°	1119.2	1149.6	1171.5	1185.6
49.5°	1103.8	1133.5	1155.6	1169.8
50°	1087.7	1117.7	1139.6	1154.0
50.5°	1072.0	1102.2	1123.7	1137.8
51°	1057.0	1086.0	1108.3	1122.3
51.5°	1041.2	1070.7	1092.8	1106.2
52°	1024.9	1054.6	1076.1	1090.7
52.5°	1009.1	1038.5	1060.6	1074.2
53°	993.1	1022.7	1044.1	1058.3
53.5°	977.7	1006.6	1028.3	1042.2
54°	961.9	990.6	1012.2	1026.2
54.5°	946.3	974.7	996.1	1009.8
55°	930.8	958.9	980.0	993.2
55.5°	913.8	943.2	963.7	977.5
56°	898.1	926.1	947.1	960.8
56.5°	882.6	910.7	931.5	944.7
57°	867.0	894.5	915.1	929.0
57.5°	850.7	878.6	899.1	912.1
58°	834.9	861.7	882.3	895.5
58.5°	819.0	845.8	866.0	879.5
59°	803.9	829.6	849.8	862.8
59.5°	787.6	813.5	833.7	846.5
60°	771.8	797.3	817.4	829.7
60.5°	755.7	781.4	800.9	813.4
61°	740.5	765.4	784.3	797.0
61.5°	724.5	749.2	767.9	780.6
62°	708.8	733.2	751.6	764.1
62.5°	693.2	717.5	735.1	747.6
63°	677.9	701.1	718.8	731.1
63.5°	662.1	685.0	702.6	714.8
64°	646.1	669.1	686.1	698.1
64.5°	630.8	653.0	670.2	681.2
65°	615.8	636.8	653.8	664.5
65.5°	599.9	621.2	637.2	647.6
66°	585.1	605.6	620.9	630.7



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	539.1	558.0	572.6	581.7
68°	523.7	541.8	556.1	565.6
68.5°	508.5	526.3	539.6	549.0
69°	493.9	510.3	523.9	532.5
69.5°	478.8	494.7	507.6	516.3
70°	463.7	479.3	491.8	499.9
70.5°	448.8	463.8	475.7	483.6
71°	434.1	448.2	459.9	467.6
71.5°	419.4	432.8	443.8	451.4
72°	404.7	417.6	427.8	435.6
72.5°	390.0	402.5	411.8	419.6
73°	375.6	387.0	396.4	403.3
73.5°	361.8	372.3	380.9	387.0
74°	347.5	357.0	365.4	371.6
74.5°	333.1	342.1	349.9	355.9
75°	319.1	326.9	334.2	340.3
75.5°	305.4	312.6	318.8	324.4
76°	291.9	297.9	304.3	309.0
76.5°	278.2	283.8	288.9	293.8
77°	264.9	269.3	274.2	278.7
77.5°	251.4	255.5	259.3	263.4
78°	238.5	241.1	245.0	248.8
78.5°	225.8	227.8	230.2	233.9
79°	213.2	214.3	216.2	219.3
79.5°	200.9	201.2	202.7	204.9
80°	189.3	188.7	189.5	191.4
80.5°	177.7	176.3	176.4	177.4
81°	166.1	163.8	163.2	163.8
81.5°	154.6	151.3	150.0	150.5
82°	143.0	138.9	136.9	137.5
82.5°	132.2	127.5	124.5	124.1
83°	121.5	116.3	113.0	112.4
83.5°	111.3	105.2	101.2	100.6
84°	101.6	94.5	90.0	89.4
84.5°	92.4	84.6	79.3	78.2
85°	83.4	75.1	69.4	68.0
85.5°	75.2	66.0	59.7	59.1
86°	67.3	57.6	50.7	50.3
86.5°	59.8	49.7	42.3	41.4
87°	52.7	42.3	34.6	32.6
87.5°	46.4	35.6	29.2	25.0
88°	40.5	29.8	23.7	18.1
88.5°	35.2	25.9	18.3	12.2



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	22.5	14.1	5.2	3.9
90.5°	20.3	10.3	3.5	2.1
91°	18.1	8.5	2.5	0.4
91.5°	15.9	7.1	2.0	0.3
92°	13.7	6.2	1.8	0.3
92.5°	11.5	5.5	1.6	0.2
93°	10.5	5.1	1.4	0.2
93.5°	9.7	4.8	1.4	0.3
94°	9.1	4.4	1.3	0.3
94.5°	8.6	4.1	1.3	0.4
95°	8.2	4.0	1.3	0.5
95.5°	7.8	3.9	1.3	0.5
96°	7.3	3.9	1.2	0.6
96.5°	7.0	3.9	1.2	0.7
97°	6.8	3.8	1.2	0.8
97.5°	6.7	3.7	1.1	0.8
98°	6.7	3.5	1.1	0.9
98.5°	6.6	3.4	1.1	1.0
99°	6.6	3.3	1.1	1.0
99.5°	6.5	3.2	1.2	1.2
100°	6.4	3.1	1.3	1.3
100.5°	6.2	3.1	1.4	1.4
101°	6.0	3.1	1.5	1.5
101.5°	5.8	3.1	1.5	1.7
102°	5.6	3.0	1.6	1.8
102.5°	5.4	3.0	1.7	1.9
103°	5.2	2.8	1.8	2.0
103.5°	5.1	2.7	1.9	2.0
104°	4.9	2.6	2.0	2.1
104.5°	4.8	2.5	2.0	2.1
105°	4.7	2.4	2.1	2.2
105.5°	4.6	2.4	2.1	2.1
106°	4.5	2.3	2.3	2.1
106.5°	4.4	2.3	2.7	2.1
107°	4.2	2.1	2.8	2.1
107.5°	4.1	2.1	2.6	2.1
108°	3.9	2.1	2.6	2.1
108.5°	3.8	2.0	2.7	2.1
109°	3.6	2.1	2.6	2.2
109.5°	3.4	2.1	2.5	2.2
110°	3.3	2.1	2.5	2.2
110.5°	3.2	2.1	2.5	2.2
111°	3.1	2.2	2.5	2.2



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	2.9	2.3	2.5	2.2
113°	2.9	2.3	2.6	2.3
113.5°	2.7	2.4	2.6	2.3
114°	2.6	2.5	2.6	2.3
114.5°	2.6	2.5	2.7	2.4
115°	2.5	2.6	2.7	2.4
115.5°	2.5	2.6	2.7	2.4
116°	2.5	2.7	2.7	2.4
116.5°	2.5	2.7	2.7	2.4
117°	2.6	2.9	2.7	2.4
117.5°	2.6	3.1	2.7	2.4
118°	2.7	3.2	2.7	2.4
118.5°	2.8	3.4	2.7	2.4
119°	2.8	3.4	2.7	2.5
119.5°	2.9	3.4	2.8	2.5
120°	3.0	3.4	2.8	2.5
120.5°	3.0	3.4	2.9	2.5
121°	3.0	3.4	2.9	2.6
121.5°	3.1	3.4	2.9	2.6
122°	3.1	3.3	2.9	2.6
122.5°	3.1	3.3	2.9	2.6
123°	3.1	3.2	2.9	2.7
123.5°	3.1	3.2	3.0	2.7
124°	3.2	3.0	3.0	2.7
124.5°	3.3	3.1	3.1	2.7
125°	3.4	3.1	3.1	2.7
125.5°	3.6	3.3	3.1	2.8
126°	3.7	3.5	3.1	2.8
126.5°	3.9	3.5	3.2	2.8
127°	4.1	3.6	3.2	2.9
127.5°	4.2	3.6	3.2	2.9
128°	4.3	3.7	3.3	2.9
128.5°	4.3	3.7	3.3	3.0
129°	4.2	3.7	3.4	3.0
129.5°	4.2	3.7	3.4	3.0
130°	4.2	3.7	3.4	3.0
130.5°	4.1	3.6	3.3	3.0
131°	4.1	3.6	3.0	3.0
131.5°	4.0	3.6	3.0	3.1
132°	3.9	3.6	3.1	3.1
132.5°	3.8	3.7	3.2	3.1
133°	3.8	3.6	3.4	3.1
133.5°	3.7	3.6	3.5	3.1



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	3.8	3.6	3.3	3.2
135.5°	3.8	3.6	3.3	3.2
136°	3.8	3.6	3.3	3.1
136.5°	3.8	3.5	3.4	3.1
137°	3.8	3.5	3.4	3.1
137.5°	3.9	3.5	3.3	3.1
138°	3.9	3.5	3.2	3.2
138.5°	3.9	3.6	3.2	3.2
139°	3.9	3.6	3.2	3.2
139.5°	3.9	3.7	3.3	3.2
140°	3.9	3.7	3.4	3.2
140.5°	3.9	3.7	3.4	3.2
141°	3.9	3.8	3.4	3.2
141.5°	3.9	3.8	3.4	3.2
142°	3.9	3.8	3.4	3.2
142.5°	3.9	3.8	3.4	3.2
143°	3.9	3.8	3.4	3.2
143.5°	3.9	3.8	3.4	3.2
144°	3.9	3.8	3.4	3.2
144.5°	3.9	3.9	3.4	3.2
145°	3.9	3.9	3.4	3.2
145.5°	3.9	3.9	3.4	3.2
146°	3.9	3.9	3.4	3.2
146.5°	4.0	3.9	3.3	3.2
147°	4.0	3.9	3.3	3.2
147.5°	4.0	4.0	3.3	3.2
148°	4.0	4.0	3.4	3.2
148.5°	4.0	4.0	3.4	3.2
149°	4.1	4.0	3.4	3.1
149.5°	4.1	4.0	3.4	3.1
150°	4.1	4.0	3.4	3.1
150.5°	4.1	4.0	3.3	3.1
151°	4.1	4.0	3.2	3.0
151.5°	4.1	4.0	3.2	2.8
152°	4.2	4.0	3.3	2.8
152.5°	4.2	3.9	3.3	2.9
153°	4.2	3.9	3.1	2.8
153.5°	4.2	3.8	3.0	2.6
154°	4.2	3.8	2.8	2.4
154.5°	4.2	3.8	2.8	2.3
155°	4.2	3.7	2.8	2.3
155.5°	4.2	3.5	2.6	2.4
156°	4.3	3.4	2.5	2.3



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	4.3	3.3	2.4	2.1
158°	4.3	3.3	2.3	2.1
158.5°	4.3	3.3	2.3	2.1
159°	4.3	3.3	2.3	2.1
159.5°	4.3	3.2	2.3	2.1
160°	4.4	3.2	2.3	2.1
160.5°	4.4	3.2	2.3	2.1
161°	4.4	3.2	2.3	2.2
161.5°	4.4	3.2	2.2	2.2
162°	4.5	3.2	2.2	2.2
162.5°	4.4	3.1	2.2	2.2
163°	4.3	3.0	2.2	2.2
163.5°	4.4	2.8	2.2	2.2
164°	4.5	2.8	2.2	2.2
164.5°	3.9	2.8	2.2	2.2
165°	3.7	2.7	2.2	2.2
165.5°	4.1	2.5	2.2	2.2
166°	4.2	2.4	2.2	2.3
166.5°	3.6	2.4	2.2	2.3
167°	3.3	2.4	2.2	2.3
167.5°	3.9	2.7	2.2	2.3
168°	4.1	3.0	2.3	2.3
168.5°	3.8	3.0	2.4	2.3
169°	3.8	3.0	2.5	2.4
169.5°	3.9	3.2	2.5	2.4
170°	3.8	3.2	2.9	2.5
170.5°	3.8	3.2	3.1	2.8
171°	4.0	3.6	3.1	3.2
171.5°	4.1	3.7	3.3	3.2
172°	4.0	3.7	3.5	3.3
172.5°	4.0	3.7	3.6	3.4
173°	4.0	3.8	3.6	3.4
173.5°	3.9	3.8	3.6	3.4
174°	3.9	3.8	3.7	3.5
174.5°	3.9	3.8	3.8	3.6
175°	3.9	3.8	3.8	3.7
175.5°	3.8	3.8	3.8	3.8
176°	3.8	3.8	3.8	3.8
176.5°	3.8	3.8	3.8	3.8
177°	3.8	3.8	3.8	3.8
177.5°	3.8	3.8	3.8	3.8
178°	3.8	3.8	3.8	3.8
178.5°	3.8	3.8	3.8	3.8



TEST NUMBER: P563550

CATALOG NUMBER: 4NWS3C3MS-NUV-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	3.5	3.5	3.5	3.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	1861.8	1866.2	1865.8	1862.3	1855.6	1847.5	1838.9	1831.7	1825.6	1822.6	1821.4
22°	1852.9	1857.8	1857.7	1853.7	1847.0	1838.6	1829.1	1821.8	1816.3	1812.2	1811.3



44°	1337.4	1342.4	1336.1	1321.9	1299.0	1270.9	1242.2	1217.6	1199.6	1190.6	1191.9
44.5°	1322.7	1326.8	1321.6	1306.6	1283.7	1255.0	1226.8	1201.9	1183.8	1175.1	1175.1



66.5°	614.2	620.0	618.5	609.9	595.9	576.5	558.8	543.1	531.7	525.1	523.3
67°	597.8	603.1	602.5	594.6	580.7	562.5	545.6	530.1	518.6	512.4	511.1



89°	7.5	14.8	28.2	43.6	58.0	68.0	76.0	80.7	82.5	81.8	78.8
89.5°	5.6	10.4	23.2	38.0	52.2	62.9	70.9	75.0	76.9	76.3	73.4



111.5°	2.2	2.2	1.8	1.6	2.2	3.4	4.9	6.3	7.3	7.6	7.4
112°	2.2	2.2	1.9	1.7	2.1	3.2	4.6	6.0	7.0	7.3	7.0



134°	3.1	3.2	3.2	3.8	3.9	3.4	3.4	3.5	3.5	3.7	3.8
134.5°	3.2	3.2	3.2	3.9	4.0	3.5	3.5	3.5	3.6	3.7	3.9



156.5°	2.1	3.3	3.9	3.8	3.8	3.8	4.0	4.4	4.7	4.8	4.9
157°	2.1	3.3	3.9	3.8	3.8	3.8	4.0	4.3	4.6	4.7	4.8



179°	3.8	3.7	3.5	3.3	3.0	2.9	3.1	3.3	3.6	3.8	3.7
179.5°	3.5	3.4	3.3	3.3	3.3	3.3	3.4	3.4	3.5	3.6	3.5





21.5°	1823.2	1827.9	1832.2	1837.6	1842.7	1845.0	1845.1	1842.7	1837.0	1828.4	1817.5
22°	1813.1	1817.5	1823.0	1829.0	1834.5	1836.3	1836.7	1834.4	1828.1	1819.3	1808.0



44°	1200.6	1218.4	1241.5	1263.2	1282.6	1296.5	1301.9	1299.6	1290.2	1272.8	1247.4
44.5°	1185.1	1203.3	1225.9	1247.2	1267.1	1281.1	1285.9	1284.9	1275.5	1257.4	1231.7



66.5°	527.1	535.1	546.1	557.3	567.0	573.6	572.1	571.0	564.0	554.0	539.4
67°	514.6	521.8	532.2	542.5	551.3	556.6	556.2	554.7	548.0	538.1	524.3



89°	73.5	66.0	56.7	43.2	29.1	15.5	6.3	1.0	5.1	14.4	23.6
89.5°	68.6	61.3	51.3	38.5	24.9	12.5	4.9	0.9	3.8	10.8	21.4



111.5°	6.4	5.1	3.7	2.8	2.8	3.4	4.2	3.8	4.4	3.3	3.8
112°	6.1	4.8	3.6	2.7	2.8	3.5	4.2	3.9	4.5	3.3	3.7



134°	4.1	4.6	5.3	6.5	6.7	5.2	4.6	4.3	5.4	5.6	5.2
134.5°	4.1	4.7	5.4	6.7	6.6	5.2	4.6	4.3	5.3	5.7	5.1



156.5°	4.8	4.5	4.4	4.6	4.5	4.3	4.1	3.6	3.8	4.3	4.7
157°	4.7	4.5	4.4	4.5	4.4	4.2	3.9	3.6	3.7	4.2	4.7



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





21.5°	1805.6	1792.9	1782.5	1773.8	1769.5	1768.5	1771.0	1778.7	1789.8	1803.9	1818.2
22°	1796.1	1782.3	1771.2	1763.5	1758.9	1756.8	1760.4	1767.2	1779.0	1793.3	1808.4



44°	1219.0	1187.6	1159.8	1137.6	1124.1	1120.5	1127.5	1145.1	1172.0	1204.4	1240.5
44.5°	1203.8	1171.4	1143.9	1121.9	1107.8	1104.2	1111.5	1129.6	1156.3	1189.1	1224.4



66.5°	523.2	506.5	492.2	481.4	475.1	474.6	479.3	489.8	505.2	525.1	547.0
67°	508.5	492.6	479.1	469.0	463.1	462.5	466.6	477.3	492.0	511.0	532.5



89°	34.4	44.2	51.9	57.5	61.1	62.6	62.4	60.1	55.9	49.4	40.7
89.5°	30.7	40.2	47.7	53.3	56.9	58.4	58.0	55.7	51.4	44.8	36.2



111.5°	6.0	8.5	10.5	11.8	12.6	13.0	12.6	11.5	9.7	7.7	5.3
112°	5.8	8.3	10.3	11.5	12.3	12.7	12.3	11.2	9.4	7.5	5.1



134°	4.9	4.2	3.7	3.4	3.3	3.2	3.2	3.3	3.4	3.7	4.1
134.5°	4.9	4.2	3.7	3.5	3.3	3.2	3.3	3.3	3.4	3.8	4.2



156.5°	5.1	5.1	4.8	4.6	4.6	4.6	4.6	4.6	4.5	4.3	4.3
157°	5.3	5.1	4.8	4.7	4.6	4.6	4.6	4.6	4.5	4.4	4.3



179°	3.7	3.6	3.5	3.3	3.3	3.4	3.5	3.7	3.8	3.8	3.9
179.5°	3.3	3.3	3.3	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.7





21.5°	1831.9	1844.6	1854.4	1861.8
22°	1822.2	1836.6	1847.0	1852.9



44°	1273.5	1302.7	1323.6	1337.4
44.5°	1259.1	1287.3	1309.1	1322.7



66.5°	569.4	589.6	604.8	614.2
67°	554.0	573.8	589.0	597.8



89°	30.5	22.0	12.8	7.5
89.5°	26.2	18.0	7.6	5.6



111.5°	3.0	2.2	2.5	2.2
112°	3.0	2.2	2.5	2.2



134°	3.7	3.5	3.4	3.1
134.5°	3.7	3.6	3.3	3.2



156.5°	4.3	3.4	2.4	2.1
157°	4.3	3.4	2.4	2.1



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



(END OF REPORT)