

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: P563547

Luminaire Tested: **4NWS3C3-UNV-MED-4000K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s22030032e-01)
Test Lab: INNOVATION CENTER
Issue Date: 7/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4NWS3C3-UNV-MED-4000K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND MED LUMEN SETTING
Light Source: -
Ballast/Driver:

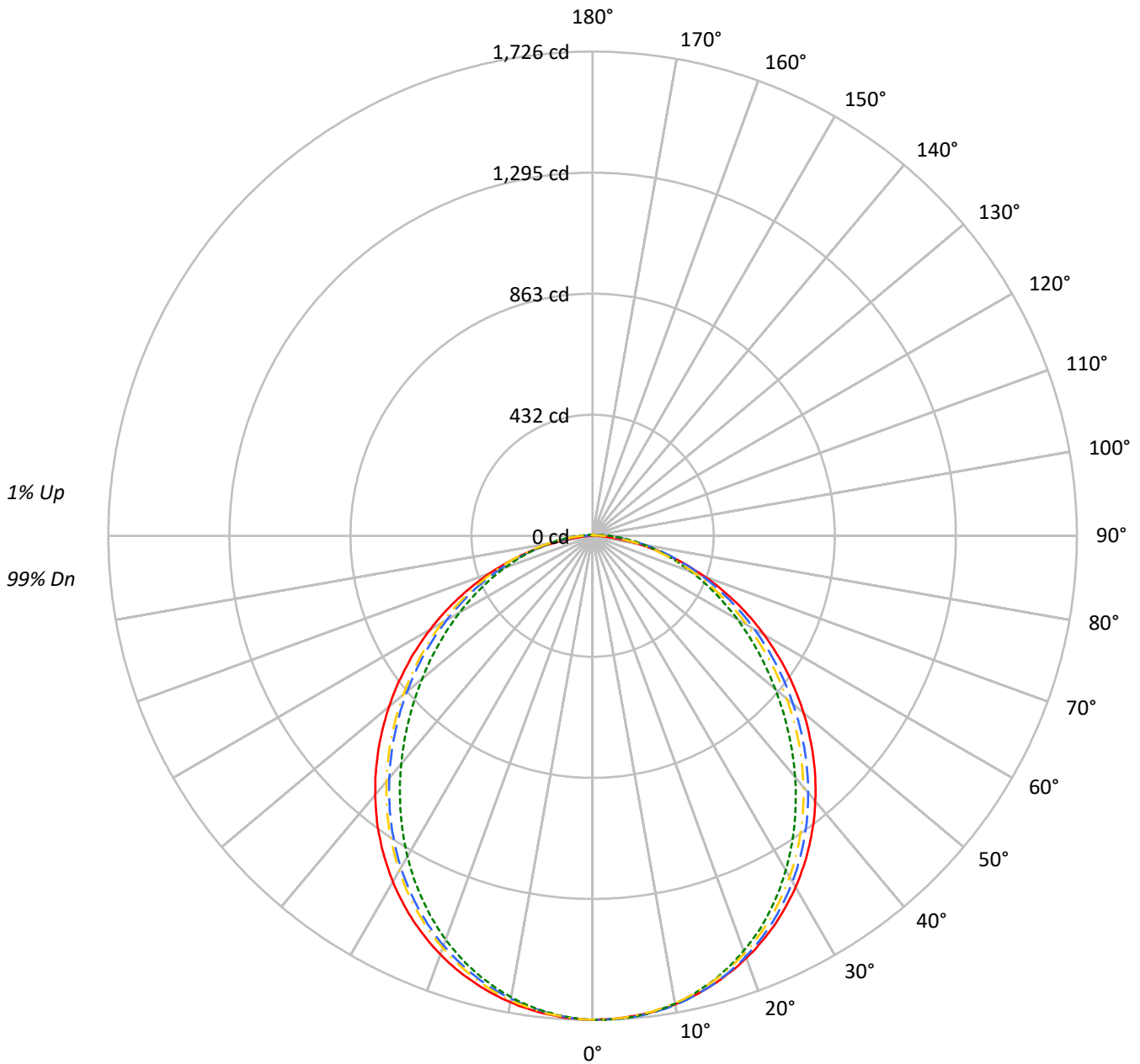
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4498.0 lumens
Efficiency: N/A
Efficacy: 141.4 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): 31.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P563547
CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

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°	10487	10487	10487	10487
5°	10461	10329	10443	10252
10°	10429	10122	10384	9983
15°	10370	9856	10300	9653
20°	10284	9532	10193	9274
25°	10178	9157	10051	8836
30°	10033	8719	9874	8358
35°	9850	8228	9660	7831
40°	9625	7695	9400	7275
45°	9364	7135	9095	6700
50°	9055	6565	8736	6131
55°	8692	6019	8322	5572
60°	8279	5476	7845	5025
65°	7780	4922	7268	4470
70°	7147	4368	6532	3894
75°	6306	3791	5539	3279
80°	5096	3171	4147	2631
85°	3258	2532	2097	2013



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	3.6
10°-20°	462.2	10.3
20°-30°	686.3	15.3
30°-40°	800.0	17.8
40°-50°	792.0	17.6
50°-60°	680.2	15.1
60°-70°	497.8	11.1
70°-80°	282.6	6.3
80°-90°	94.1	2.1
90°-100°	17.1	0.4
100°-110°	7.2	0.2
110°-120°	4.3	0.1
120°-130°	3.0	0.1
130°-140°	2.7	0.1
140°-150°	2.5	0.1
150°-160°	1.7	0.0
160°-170°	1.0	0.0
170°-180°	0.3	0.0
0°-30°	1311.3	29.2
0°-40°	2111.4	46.9
0°-60°	3583.6	79.7
0°-90°	4458.1	99.1
90°-120°	28.5	0.6
90°-150°	36.8	0.8
90°-180°	40.0	0.9
0°-180°	4498.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1725	1725	1725	1725	1725	
5°	1718	1720	1715	1708	1718	163
15°	1657	1645	1646	1611	1657	467
25°	1532	1485	1513	1433	1532	706
35°	1347	1254	1321	1194	1347	842
45°	1112	986	1080	926	1112	857
55°	844	720	809	667	844	755
65°	565	480	528	436	565	559
75°	289	274	254	237	289	306
85°	58	114	37	91	58	69
90°	3	60	1	46	3	3
95°	0	29	1	24	0	0
105°	2	11	3	14	2	2
115°	2	5	3	9	2	2
125°	2	3	4	5	2	2
135°	3	3	4	3	3	2
145°	3	4	4	4	3	2
155°	2	4	3	4	2	1
165°	2	4	3	5	2	1
175°	3	4	3	3	3	0
180°	3	3	3	3	3	



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2
0.5°	1724.8	1724.8	1725.0	1725.1	1725.3	1725.4	1725.5	1725.6	1725.6	1725.6	1725.6
1°	1724.6	1724.8	1725.1	1725.4	1725.6	1725.7	1725.8	1725.8	1725.2	1724.6	1725.0
1.5°	1724.6	1725.3	1725.4	1724.8	1724.5	1724.7	1725.4	1725.8	1725.2	1726.0	1726.2
2°	1724.3	1724.8	1724.8	1724.8	1725.1	1725.7	1726.1	1726.1	1725.1	1725.2	1725.5
2.5°	1723.7	1724.1	1724.2	1724.3	1724.4	1723.8	1724.0	1723.9	1725.6	1724.6	1723.9
3°	1722.5	1722.8	1723.6	1723.9	1724.3	1724.4	1724.8	1725.1	1724.5	1724.4	1724.4
3.5°	1721.3	1722.2	1722.9	1724.2	1723.6	1724.0	1724.1	1723.6	1724.1	1722.9	1722.5
4°	1720.6	1722.1	1721.6	1723.2	1722.8	1723.1	1723.0	1722.7	1721.8	1723.7	1722.1
4.5°	1718.7	1720.1	1720.6	1721.6	1722.5	1722.4	1721.6	1722.5	1721.8	1721.9	1720.3
5°	1717.6	1719.0	1719.5	1720.1	1721.1	1721.1	1719.5	1720.1	1720.6	1720.5	1719.1
5.5°	1716.5	1717.8	1718.4	1718.7	1719.3	1718.8	1718.2	1718.2	1719.0	1718.6	1717.0
6°	1715.1	1716.3	1716.6	1717.4	1718.3	1717.4	1717.1	1716.6	1716.8	1716.3	1714.5
6.5°	1713.3	1714.7	1715.0	1715.5	1716.5	1715.7	1715.9	1714.7	1714.8	1714.6	1712.7
7°	1711.6	1712.4	1713.8	1713.4	1713.5	1712.5	1714.0	1712.4	1712.2	1712.0	1710.7
7.5°	1709.2	1710.1	1711.3	1712.3	1712.1	1711.2	1710.8	1710.1	1709.5	1708.2	1708.2
8°	1707.4	1707.4	1709.4	1709.6	1709.5	1708.9	1708.2	1707.8	1707.1	1706.2	1705.7
8.5°	1704.2	1704.6	1707.1	1706.7	1707.1	1706.6	1705.6	1704.9	1703.8	1703.2	1701.9
9°	1702.3	1703.9	1704.1	1704.7	1704.8	1704.1	1702.3	1702.0	1700.7	1701.2	1698.7
9.5°	1699.2	1700.7	1702.0	1701.6	1701.9	1700.4	1698.5	1698.4	1697.6	1695.9	1695.3
10°	1695.8	1697.8	1698.8	1698.9	1698.6	1697.4	1695.5	1694.3	1693.8	1694.1	1692.4
10.5°	1692.7	1694.3	1695.9	1696.0	1695.3	1694.0	1691.8	1690.5	1689.9	1689.6	1688.2
11°	1689.1	1690.3	1692.2	1692.4	1691.7	1690.9	1687.5	1687.0	1686.7	1685.5	1684.2
11.5°	1685.5	1687.8	1688.6	1689.0	1687.6	1687.0	1683.8	1683.4	1682.2	1681.4	1679.9
12°	1682.0	1684.0	1685.6	1685.7	1684.1	1682.7	1680.3	1679.0	1676.6	1677.0	1674.6
12.5°	1678.7	1680.3	1681.8	1681.9	1679.6	1678.7	1676.1	1674.4	1672.4	1671.9	1670.6
13°	1674.7	1676.9	1678.0	1677.4	1675.0	1674.6	1671.3	1669.9	1668.0	1666.2	1665.6
13.5°	1670.2	1672.9	1674.1	1673.6	1671.0	1670.0	1665.7	1664.5	1662.8	1660.9	1659.4
14°	1666.0	1668.5	1669.6	1669.7	1666.4	1664.5	1661.4	1659.3	1657.5	1655.3	1654.5
14.5°	1661.9	1664.2	1665.2	1665.2	1661.3	1660.0	1657.0	1653.8	1651.1	1650.5	1648.3
15°	1657.0	1659.8	1660.5	1660.0	1657.1	1655.1	1651.2	1648.4	1645.8	1644.9	1643.5
15.5°	1652.7	1655.3	1655.3	1654.6	1652.5	1650.0	1645.0	1643.2	1639.9	1639.1	1637.0
16°	1647.3	1650.6	1651.0	1649.8	1646.8	1644.0	1639.6	1636.9	1634.3	1632.2	1630.4
16.5°	1641.4	1645.5	1646.3	1645.0	1641.3	1638.3	1633.5	1630.3	1627.8	1625.2	1624.6
17°	1635.9	1640.4	1640.5	1639.8	1636.4	1632.5	1627.7	1623.8	1620.8	1619.4	1618.6
17.5°	1631.4	1634.7	1635.2	1633.9	1630.5	1626.2	1620.4	1617.3	1613.6	1612.8	1610.9
18°	1626.3	1628.9	1629.8	1628.1	1624.2	1620.1	1614.4	1610.6	1606.9	1604.9	1604.1
18.5°	1620.0	1624.1	1624.5	1622.6	1618.3	1613.9	1607.6	1603.3	1600.3	1597.7	1596.8
19°	1614.0	1618.5	1618.9	1616.3	1612.3	1607.0	1601.3	1596.1	1592.5	1590.1	1589.8
19.5°	1607.9	1611.9	1612.2	1610.1	1605.5	1599.9	1593.7	1589.0	1584.5	1583.5	1580.8
20°	1601.9	1605.6	1605.6	1603.6	1598.9	1592.9	1585.9	1581.1	1577.1	1574.2	1573.5
20.5°	1595.8	1599.6	1599.5	1597.1	1592.2	1586.1	1578.5	1573.1	1569.4	1566.5	1565.1
21°	1589.7	1593.4	1593.0	1590.3	1584.7	1578.6	1571.3	1565.2	1561.4	1557.8	1557.1



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1568.5	1572.5	1572.8	1568.9	1563.1	1555.7	1547.2	1540.4	1535.4	1532.6	1530.7
23°	1562.2	1565.6	1565.3	1561.6	1555.6	1547.9	1539.0	1531.8	1526.3	1524.4	1522.2
23.5°	1554.4	1558.5	1558.1	1554.1	1547.9	1539.4	1530.7	1522.6	1517.0	1514.3	1512.8
24°	1546.9	1551.2	1550.9	1546.3	1539.6	1531.2	1521.3	1513.4	1507.7	1504.9	1503.7
24.5°	1539.8	1543.6	1543.0	1538.7	1531.1	1522.5	1513.5	1504.8	1498.3	1495.2	1493.5
25°	1532.2	1536.3	1535.0	1530.7	1523.2	1513.7	1504.3	1495.4	1488.5	1484.7	1484.0
25.5°	1524.0	1528.1	1527.3	1522.4	1515.4	1504.9	1494.7	1485.6	1479.1	1475.3	1473.7
26°	1516.0	1519.4	1519.1	1513.5	1506.7	1495.6	1484.9	1475.4	1468.3	1464.1	1464.0
26.5°	1507.6	1511.6	1509.9	1505.7	1497.0	1486.3	1475.0	1465.6	1458.4	1454.6	1453.1
27°	1499.3	1503.9	1501.7	1496.4	1487.9	1477.2	1465.4	1455.5	1448.1	1443.3	1443.3
27.5°	1491.0	1495.3	1493.7	1487.3	1478.9	1467.2	1456.5	1445.1	1436.7	1433.5	1432.4
28°	1482.0	1486.7	1485.2	1478.8	1469.6	1457.6	1445.0	1435.0	1426.4	1422.3	1421.0
28.5°	1473.3	1477.8	1476.3	1470.0	1460.7	1448.1	1435.1	1424.5	1414.9	1410.2	1409.7
29°	1465.2	1469.2	1467.4	1460.6	1450.5	1437.9	1425.0	1413.4	1405.1	1400.2	1398.9
29.5°	1456.2	1460.4	1458.0	1451.6	1440.8	1427.8	1414.9	1402.5	1392.6	1388.6	1388.5
30°	1446.6	1450.3	1448.7	1441.4	1430.9	1417.3	1403.5	1391.4	1381.8	1376.7	1377.1
30.5°	1437.5	1441.1	1439.2	1432.4	1420.9	1406.5	1392.7	1380.2	1369.1	1365.4	1364.6
31°	1428.3	1432.3	1429.4	1422.7	1411.3	1396.4	1381.3	1368.6	1358.8	1353.8	1352.5
31.5°	1418.6	1422.9	1420.0	1412.2	1401.0	1386.0	1370.1	1356.7	1346.8	1341.5	1340.3
32°	1408.1	1412.3	1409.8	1401.7	1390.0	1374.5	1359.1	1345.5	1334.8	1329.1	1328.7
32.5°	1398.2	1402.3	1399.8	1391.1	1379.3	1363.4	1347.8	1333.9	1323.7	1316.9	1316.8
33°	1388.6	1392.6	1389.5	1381.6	1368.6	1352.7	1336.6	1321.7	1311.2	1305.1	1304.8
33.5°	1378.3	1382.3	1379.4	1371.3	1358.1	1341.5	1324.9	1310.1	1298.4	1292.4	1292.0
34°	1367.6	1372.3	1369.0	1360.2	1347.2	1329.7	1312.5	1297.6	1286.1	1279.6	1279.5
34.5°	1356.8	1361.7	1358.5	1349.5	1336.3	1318.2	1300.5	1284.5	1273.2	1267.4	1266.6
35°	1346.7	1351.2	1348.2	1338.8	1324.6	1306.7	1288.8	1272.3	1260.1	1254.4	1254.3
35.5°	1336.3	1340.3	1337.8	1328.0	1313.1	1294.6	1276.5	1260.0	1247.4	1241.8	1241.4
36°	1325.5	1330.2	1326.1	1317.0	1302.0	1282.9	1264.3	1247.4	1234.4	1229.0	1228.4
36.5°	1314.3	1318.6	1315.2	1305.1	1290.8	1271.2	1252.0	1234.5	1221.7	1215.2	1215.9
37°	1303.5	1307.3	1304.0	1294.1	1278.9	1259.4	1239.8	1222.1	1208.0	1202.2	1202.6
37.5°	1292.8	1296.0	1292.7	1282.8	1267.0	1247.1	1227.0	1209.1	1195.4	1189.1	1189.2
38°	1282.3	1284.8	1281.9	1270.8	1255.1	1234.7	1214.2	1196.1	1182.6	1175.6	1175.4
38.5°	1270.3	1273.5	1269.4	1259.2	1242.9	1222.3	1201.4	1182.8	1169.5	1163.1	1162.5
39°	1258.0	1262.1	1258.1	1247.3	1230.8	1210.0	1188.9	1169.8	1156.5	1149.2	1148.6
39.5°	1245.9	1250.9	1246.4	1235.6	1218.3	1197.0	1176.1	1156.7	1142.4	1136.1	1136.0
40°	1234.1	1238.8	1234.9	1222.9	1206.2	1184.1	1162.5	1143.6	1129.0	1122.4	1122.5
40.5°	1223.0	1226.7	1223.1	1211.3	1193.7	1171.6	1149.5	1130.0	1115.3	1108.7	1108.3
41°	1211.1	1214.7	1210.9	1198.9	1181.2	1158.5	1136.5	1116.9	1101.9	1095.4	1094.5
41.5°	1198.8	1202.4	1198.3	1186.9	1168.6	1145.9	1123.0	1103.1	1087.6	1081.3	1081.2
42°	1187.0	1191.0	1186.5	1173.9	1156.3	1133.2	1110.5	1089.9	1074.8	1068.4	1067.4
42.5°	1175.1	1178.7	1174.0	1162.2	1142.8	1120.0	1097.1	1076.6	1061.2	1054.3	1053.7
43°	1162.7	1166.2	1161.7	1148.7	1130.1	1106.7	1083.7	1062.8	1047.5	1040.9	1040.3
43.5°	1149.7	1154.0	1149.0	1136.7	1117.9	1093.8	1070.1	1049.3	1033.7	1026.8	1026.8



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	1111.9	1115.8	1110.9	1097.8	1078.9	1054.0	1029.9	1008.5	992.7	985.6	985.4
45.5°	1099.6	1103.1	1098.0	1084.7	1065.1	1040.6	1016.5	994.9	979.4	971.6	971.7
46°	1086.3	1090.3	1085.3	1071.8	1051.9	1027.1	1002.6	981.3	966.2	957.5	958.4
46.5°	1072.8	1076.9	1072.0	1058.7	1038.7	1013.6	988.8	967.7	951.8	944.7	944.9
47°	1059.7	1064.3	1059.8	1045.6	1025.7	1000.2	975.4	953.9	938.0	931.1	930.7
47.5°	1047.1	1051.0	1046.4	1033.0	1012.7	986.9	962.3	939.8	924.5	917.4	917.0
48°	1034.4	1038.1	1033.0	1020.0	999.6	973.3	948.7	926.6	911.3	903.3	904.0
48.5°	1020.8	1024.3	1019.4	1006.3	986.0	960.0	935.5	913.2	897.2	890.3	890.5
49°	1008.1	1012.2	1006.1	992.3	972.5	946.6	921.7	899.8	884.1	876.5	876.5
49.5°	994.6	998.3	993.8	979.5	958.7	933.0	908.4	886.2	870.3	863.1	863.4
50°	981.2	985.3	980.0	966.4	945.1	919.3	895.1	872.7	857.6	849.4	849.8
50.5°	967.5	971.7	966.6	953.3	932.1	906.1	881.5	859.2	843.5	836.3	836.1
51°	954.2	958.3	952.7	938.9	918.7	892.6	868.1	846.3	831.0	822.8	822.4
51.5°	940.6	944.8	939.3	925.9	905.3	879.2	854.3	832.7	817.0	810.6	809.8
52°	927.4	931.5	926.3	912.3	891.6	866.1	841.4	819.9	804.3	796.5	796.7
52.5°	913.4	917.4	911.9	898.6	877.9	852.1	827.9	806.6	791.5	783.9	783.8
53°	899.9	904.0	898.8	884.9	864.3	838.7	814.5	793.4	778.6	770.5	770.2
53.5°	886.2	890.0	884.8	871.5	850.7	825.4	801.4	780.4	764.5	758.1	757.2
54°	872.6	876.2	871.4	858.2	837.4	811.9	788.3	767.2	752.2	744.6	744.9
54.5°	858.6	862.8	857.4	844.3	824.3	798.4	774.5	754.0	738.9	731.9	731.8
55°	844.5	849.1	844.1	830.8	810.2	784.9	761.4	741.0	726.5	720.1	718.7
55.5°	831.1	835.1	830.0	817.4	797.3	772.0	748.3	727.7	713.4	706.9	705.8
56°	816.9	821.1	816.6	803.5	783.8	759.2	735.8	714.9	701.0	694.0	693.5
56.5°	803.3	807.6	802.8	790.0	770.4	745.7	722.5	702.5	688.5	681.6	681.1
57°	789.9	793.4	788.8	776.2	756.5	732.4	709.4	689.8	675.5	669.3	668.5
57.5°	775.5	780.1	774.5	762.8	743.6	719.6	696.6	676.9	663.5	656.7	655.9
58°	761.4	765.7	761.6	748.6	729.3	706.5	684.0	664.7	651.0	643.9	644.1
58.5°	747.8	751.9	747.3	735.4	716.3	693.0	670.9	651.9	638.8	632.0	631.6
59°	733.6	738.4	733.5	721.8	703.1	680.1	658.2	639.3	626.9	620.5	619.4
59.5°	719.8	723.9	719.7	708.2	689.8	667.0	645.7	627.5	614.8	608.8	606.7
60°	705.5	710.0	706.2	694.4	676.2	654.1	632.9	615.5	602.8	596.7	594.8
60.5°	691.6	695.7	692.1	681.0	663.7	641.3	621.0	603.7	590.7	584.5	582.8
61°	677.6	681.5	678.2	667.6	650.5	628.8	605.3	591.3	578.5	572.3	570.9
61.5°	663.8	668.3	664.1	653.2	636.8	615.7	592.6	578.8	566.4	560.1	558.9
62°	649.7	654.3	651.0	640.2	623.1	602.6	581.1	566.6	554.2	547.9	547.0
62.5°	635.7	639.9	637.1	627.0	610.4	589.9	569.5	554.3	542.1	535.9	535.1
63°	621.6	626.2	623.1	613.5	597.3	577.3	557.9	542.1	530.6	524.7	523.7
63.5°	607.8	611.8	609.3	599.4	584.0	564.6	546.4	530.4	519.2	513.4	512.5
64°	593.6	597.7	594.9	587.3	570.8	552.0	534.0	519.0	507.9	502.1	501.0
64.5°	579.2	583.5	581.1	582.9	557.9	539.4	522.3	507.3	496.5	490.7	489.4
65°	565.0	569.4	567.3	566.7	545.8	526.8	510.5	495.8	485.2	479.8	478.4
65.5°	550.6	555.2	553.5	550.6	532.7	514.3	498.4	484.3	474.1	468.4	467.1
66°	536.3	541.0	539.7	534.5	519.5	502.2	486.6	472.9	463.2	457.4	456.4



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	494.6	499.0	498.5	492.3	481.1	466.2	451.9	439.9	430.4	425.0	423.6
68°	480.9	485.3	484.7	479.2	468.4	454.2	440.4	428.7	419.9	414.5	413.1
68.5°	466.8	471.4	471.5	465.6	455.8	442.1	429.2	417.6	409.3	404.3	401.9
69°	452.8	457.7	458.0	453.3	443.4	430.1	418.0	406.9	398.1	393.6	391.8
69.5°	439.0	444.3	444.4	440.3	431.3	418.4	406.7	396.0	387.7	382.9	381.3
70°	425.1	430.3	431.1	427.4	418.9	406.9	395.6	385.1	377.3	372.4	370.8
70.5°	411.2	416.5	417.7	414.3	407.0	395.5	384.7	374.7	367.3	362.5	360.4
71°	397.6	402.5	404.4	401.7	394.5	383.9	373.7	364.2	357.1	352.4	350.5
71.5°	383.8	389.2	390.8	388.7	382.5	372.4	362.9	354.0	346.6	342.3	340.5
72°	370.4	375.6	377.8	375.8	370.4	361.1	351.9	343.5	336.5	332.0	330.3
72.5°	356.8	361.9	364.8	363.4	358.1	349.5	341.4	333.0	326.5	322.6	320.3
73°	342.9	348.5	352.0	351.2	346.6	338.3	330.5	322.9	316.7	312.6	310.3
73.5°	329.1	335.2	338.6	338.6	334.7	327.8	320.0	312.8	306.8	302.8	300.6
74°	315.9	321.5	325.7	326.4	323.0	316.6	309.7	302.8	297.3	293.2	290.9
74.5°	302.6	308.6	312.8	313.9	311.5	305.4	299.5	292.9	287.7	283.8	281.9
75°	289.3	295.4	300.1	301.7	300.0	294.7	289.2	283.3	278.1	274.4	272.1
75.5°	275.8	282.5	287.3	289.5	288.6	284.0	279.0	273.5	268.5	265.2	262.8
76°	262.7	269.2	274.8	277.8	277.0	273.2	269.1	263.9	259.4	256.0	253.4
76.5°	249.8	256.6	262.3	265.7	265.9	262.8	258.9	254.3	250.2	247.0	244.3
77°	237.0	243.5	249.9	253.9	255.0	252.6	249.2	244.8	241.0	237.7	235.2
77.5°	223.9	231.0	237.8	242.2	244.0	242.4	239.5	235.7	231.9	229.0	226.3
78°	211.6	218.5	225.4	231.0	233.1	232.3	230.0	226.6	223.4	220.3	217.7
78.5°	198.9	206.2	213.5	219.5	222.5	222.2	220.4	217.6	214.7	211.7	209.1
79°	186.4	194.0	201.9	208.4	211.8	212.2	211.2	208.7	206.0	203.2	200.5
79.5°	174.2	181.6	190.1	197.2	201.5	202.5	202.2	200.0	197.6	195.0	192.2
80°	162.7	169.8	178.5	186.4	191.3	193.0	192.9	191.4	189.3	186.9	184.1
80.5°	150.8	158.3	167.4	175.7	181.2	183.6	184.1	182.9	181.2	178.6	176.0
81°	139.2	146.9	156.4	165.1	171.4	174.4	175.6	174.7	173.2	170.8	168.2
81.5°	127.9	135.6	145.6	154.7	161.7	165.2	167.1	166.8	165.5	163.3	160.5
82°	116.9	124.6	134.8	144.8	152.2	156.5	158.7	158.9	157.8	155.6	152.9
82.5°	105.5	113.9	124.7	134.9	142.8	148.0	150.5	151.1	150.2	148.1	145.4
83°	95.6	103.6	114.4	125.3	133.8	139.5	142.6	143.4	142.9	141.2	138.3
83.5°	85.5	93.6	104.6	116.1	125.2	131.1	134.9	136.2	136.0	134.1	131.3
84°	76.0	84.0	95.1	106.9	116.6	123.3	127.4	129.1	128.8	127.2	124.5
84.5°	66.5	74.5	86.2	98.1	108.3	115.5	119.9	122.0	122.1	120.6	117.9
85°	57.8	65.6	77.3	89.7	100.5	108.0	112.8	115.2	115.6	114.1	111.4
85.5°	50.3	57.6	69.1	81.8	92.7	100.8	106.0	108.6	109.1	107.7	105.1
86°	42.7	50.2	61.1	74.2	85.5	93.9	99.4	102.2	102.8	101.7	99.0
86.5°	35.2	42.9	54.6	66.8	78.5	87.3	92.9	96.1	96.9	95.8	93.2
87°	27.8	35.7	48.2	59.4	71.8	80.7	86.8	90.3	91.2	90.4	87.6
87.5°	21.3	28.4	41.8	53.8	65.3	74.6	80.9	84.5	85.6	84.8	82.2
88°	15.4	22.3	35.4	48.2	59.1	68.8	75.3	78.9	80.3	79.4	76.9
88.5°	10.4	17.1	28.9	42.6	54.2	63.0	69.7	73.7	75.1	74.4	71.9



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	3.3	6.0	16.0	28.0	39.5	49.2	56.2	59.5	61.1	60.4	58.7
90.5°	1.8	4.9	12.9	24.2	35.3	44.8	52.0	55.8	57.4	56.8	54.9
91°	0.3	3.8	10.4	20.7	31.4	40.6	47.8	51.9	53.7	53.2	51.2
91.5°	0.3	2.8	8.4	17.9	28.0	36.8	43.7	48.1	50.0	49.6	47.4
92°	0.2	1.7	6.9	15.4	24.9	33.4	39.9	44.3	46.3	46.0	43.7
92.5°	0.2	1.3	6.1	13.3	22.1	30.3	36.6	40.7	42.6	42.4	40.5
93°	0.2	1.1	5.3	11.5	19.7	27.4	33.6	37.6	39.5	39.4	37.5
93.5°	0.2	0.9	4.6	10.0	17.5	24.8	30.8	34.7	36.6	36.5	34.8
94°	0.3	0.7	3.9	8.9	15.6	22.5	28.2	32.0	33.9	33.9	32.2
94.5°	0.3	0.6	3.5	8.0	14.0	20.4	25.8	29.5	31.4	31.4	29.8
95°	0.4	0.5	3.2	7.3	12.7	18.6	23.7	27.3	29.1	29.1	27.6
95.5°	0.5	0.5	2.9	6.8	11.6	17.0	21.8	25.2	27.0	27.1	25.7
96°	0.5	0.6	2.6	6.3	10.7	15.6	20.1	23.3	25.0	25.1	23.8
96.5°	0.6	0.7	2.3	5.9	10.0	14.4	18.6	21.6	23.3	23.4	22.2
97°	0.6	0.7	2.1	5.5	9.4	13.4	17.3	20.1	21.7	21.9	20.8
97.5°	0.7	0.8	1.9	5.1	8.9	12.6	16.1	18.8	20.3	20.5	19.5
98°	0.8	0.8	1.8	4.7	8.4	11.9	15.1	17.7	19.1	19.3	18.3
98.5°	0.8	0.8	1.6	4.4	7.9	11.3	14.3	16.6	18.0	18.2	17.4
99°	0.9	0.9	1.5	4.1	7.5	10.8	13.6	15.8	17.0	17.3	16.5
99.5°	1.0	0.9	1.4	3.8	7.1	10.4	13.0	15.0	16.2	16.5	15.8
100°	1.1	1.0	1.3	3.6	6.7	9.8	12.5	14.4	15.5	15.8	15.1
100.5°	1.2	1.1	1.3	3.3	6.4	9.4	12.0	13.9	14.9	15.2	14.6
101°	1.3	1.2	1.3	3.1	6.0	8.9	11.5	13.4	14.4	14.6	14.1
101.5°	1.4	1.2	1.3	2.9	5.7	8.5	11.0	12.8	13.9	14.1	13.6
102°	1.5	1.3	1.3	2.7	5.3	8.1	10.5	12.3	13.4	13.6	13.1
102.5°	1.6	1.4	1.3	2.5	5.0	7.7	10.0	11.8	12.9	13.1	12.6
103°	1.7	1.4	1.3	2.3	4.7	7.3	9.6	11.3	12.4	12.6	12.2
103.5°	1.7	1.5	1.2	2.1	4.4	6.9	9.2	10.9	11.9	12.2	11.7
104°	1.8	1.5	1.2	2.0	4.1	6.6	8.8	10.5	11.5	11.7	11.3
104.5°	1.8	1.6	1.2	1.9	3.8	6.3	8.4	10.0	11.0	11.3	10.8
105°	1.8	1.8	1.2	1.8	3.6	6.0	8.0	9.6	10.6	10.9	10.4
105.5°	1.8	2.0	1.2	1.7	3.4	5.6	7.7	9.2	10.2	10.5	10.0
106°	1.8	2.0	1.2	1.6	3.2	5.3	7.3	8.8	9.8	10.1	9.7
106.5°	1.8	1.8	1.2	1.6	3.0	5.0	7.0	8.5	9.5	9.7	9.3
107°	1.8	1.7	1.2	1.6	2.8	4.8	6.6	8.1	9.1	9.4	8.9
107.5°	1.8	1.7	1.3	1.5	2.7	4.5	6.3	7.7	8.7	9.0	8.6
108°	1.8	1.8	1.3	1.5	2.5	4.2	6.0	7.4	8.4	8.7	8.3
108.5°	1.8	1.8	1.3	1.5	2.4	4.0	5.7	7.1	8.0	8.3	8.0
109°	1.8	1.9	1.4	1.4	2.2	3.8	5.4	6.8	7.7	8.0	7.6
109.5°	1.8	1.9	1.4	1.4	2.1	3.6	5.1	6.5	7.4	7.7	7.4
110°	1.9	1.9	1.4	1.3	2.0	3.4	4.8	6.2	7.1	7.4	7.1
110.5°	1.9	1.9	1.5	1.3	2.0	3.2	4.6	5.9	6.8	7.1	6.8
111°	1.9	1.9	1.5	1.4	1.9	3.0	4.4	5.6	6.5	6.8	6.5



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.9	1.8	1.6	1.5	1.8	2.6	3.7	4.9	5.7	5.9	5.7
113°	1.9	1.8	1.7	1.5	1.8	2.5	3.5	4.6	5.4	5.6	5.4
113.5°	1.9	1.9	1.7	1.5	1.7	2.4	3.3	4.4	5.2	5.4	5.2
114°	2.0	1.9	1.8	1.5	1.7	2.3	3.2	4.2	4.9	5.2	5.0
114.5°	2.0	1.9	1.8	1.6	1.6	2.2	3.0	4.0	4.7	4.9	4.8
115°	2.0	1.9	1.9	1.6	1.6	2.2	2.9	3.8	4.5	4.7	4.6
115.5°	2.0	2.0	1.9	1.6	1.6	2.1	2.8	3.6	4.3	4.5	4.4
116°	2.0	2.0	2.0	1.7	1.6	2.1	2.7	3.4	4.1	4.3	4.2
116.5°	2.0	2.0	2.1	1.7	1.6	2.1	2.6	3.3	3.9	4.1	4.0
117°	2.0	2.1	2.2	1.7	1.6	2.0	2.5	3.2	3.7	4.0	3.9
117.5°	2.0	2.1	2.3	1.7	1.6	2.0	2.5	3.0	3.6	3.8	3.8
118°	2.0	2.2	2.4	1.8	1.7	1.9	2.4	3.0	3.4	3.7	3.6
118.5°	2.1	2.2	2.5	1.8	1.7	1.8	2.3	2.9	3.3	3.5	3.5
119°	2.1	2.2	2.5	1.9	1.7	1.8	2.3	2.8	3.2	3.4	3.4
119.5°	2.1	2.3	2.4	1.9	1.8	1.8	2.3	2.7	3.1	3.3	3.3
120°	2.1	2.3	2.3	1.9	1.8	1.8	2.2	2.6	3.0	3.3	3.2
120.5°	2.2	2.3	2.3	2.0	1.8	1.8	2.1	2.5	2.9	3.2	3.2
121°	2.2	2.3	2.3	2.0	1.8	1.8	2.0	2.5	2.9	3.1	3.1
121.5°	2.2	2.3	2.4	2.1	1.9	1.9	2.0	2.4	2.8	3.0	3.0
122°	2.2	2.4	2.4	2.1	1.9	1.9	1.9	2.4	2.7	3.0	3.0
122.5°	2.2	2.4	2.4	2.2	2.0	1.9	1.9	2.3	2.7	2.9	2.9
123°	2.3	2.4	2.5	2.2	2.0	1.9	1.9	2.2	2.6	2.8	2.9
123.5°	2.3	2.4	2.5	2.2	2.0	2.0	1.9	2.1	2.6	2.8	2.8
124°	2.3	2.4	2.5	2.3	2.1	2.0	1.9	2.1	2.5	2.7	2.7
124.5°	2.3	2.5	2.6	2.3	2.1	2.1	2.0	2.1	2.4	2.7	2.7
125°	2.3	2.5	2.6	2.4	2.2	2.1	2.0	2.1	2.4	2.6	2.6
125.5°	2.4	2.5	2.6	2.5	2.2	2.1	2.0	2.1	2.3	2.6	2.6
126°	2.4	2.5	2.6	2.6	2.2	2.2	2.0	2.1	2.3	2.5	2.6
126.5°	2.4	2.5	2.6	2.7	2.3	2.2	2.1	2.1	2.3	2.5	2.6
127°	2.4	2.5	2.6	2.8	2.3	2.2	2.1	2.2	2.4	2.5	2.6
127.5°	2.5	2.5	2.6	2.9	2.4	2.2	2.2	2.2	2.4	2.6	2.7
128°	2.5	2.5	2.6	2.9	2.4	2.3	2.2	2.3	2.4	2.6	2.7
128.5°	2.5	2.5	2.6	3.0	2.4	2.3	2.3	2.3	2.5	2.6	2.8
129°	2.5	2.5	2.5	3.0	2.5	2.3	2.3	2.4	2.5	2.7	2.8
129.5°	2.5	2.5	2.5	3.0	2.6	2.4	2.4	2.4	2.6	2.7	2.8
130°	2.6	2.6	2.5	3.0	2.6	2.4	2.4	2.5	2.6	2.8	2.9
130.5°	2.6	2.6	2.5	3.0	2.7	2.5	2.5	2.6	2.7	2.8	2.9
131°	2.6	2.6	2.5	3.0	2.7	2.6	2.5	2.6	2.7	2.9	3.0
131.5°	2.6	2.6	2.6	3.0	2.8	2.6	2.6	2.7	2.8	2.9	3.0
132°	2.6	2.6	2.6	3.1	2.8	2.7	2.6	2.7	2.8	2.9	3.0
132.5°	2.6	2.6	2.6	3.1	3.0	2.7	2.7	2.8	2.9	3.0	3.1
133°	2.6	2.7	2.6	3.2	3.0	2.8	2.8	2.8	2.9	3.0	3.1
133.5°	2.6	2.7	2.7	3.2	3.2	2.9	2.8	2.9	3.0	3.1	3.2



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.7	2.8	2.8	3.3	3.5	3.1	3.0	3.1	3.1	3.2	3.3
135.5°	2.7	2.8	2.8	3.3	3.5	3.1	3.1	3.1	3.1	3.2	3.4
136°	2.6	2.8	2.8	3.3	3.5	3.2	3.1	3.2	3.2	3.3	3.4
136.5°	2.6	2.7	2.8	3.2	3.5	3.3	3.2	3.2	3.3	3.3	3.5
137°	2.6	2.8	2.9	3.2	3.5	3.4	3.3	3.3	3.3	3.4	3.5
137.5°	2.7	2.8	2.9	3.2	3.5	3.5	3.3	3.3	3.3	3.4	3.6
138°	2.7	2.9	2.9	3.1	3.6	3.6	3.4	3.4	3.4	3.5	3.7
138.5°	2.7	2.9	3.0	3.1	3.6	3.7	3.4	3.4	3.4	3.5	3.7
139°	2.7	3.0	3.0	3.1	3.6	3.8	3.5	3.5	3.5	3.6	3.8
139.5°	2.7	3.0	3.0	3.1	3.6	3.9	3.5	3.5	3.5	3.6	3.8
140°	2.7	3.0	3.0	3.1	3.7	3.9	3.6	3.6	3.6	3.7	3.9
140.5°	2.7	3.0	3.0	3.0	3.7	4.0	3.7	3.6	3.6	3.8	4.0
141°	2.7	3.1	3.0	3.0	3.7	4.0	3.7	3.7	3.7	3.8	4.0
141.5°	2.7	3.1	3.1	3.0	3.7	4.0	3.9	3.7	3.7	3.9	4.1
142°	2.7	3.1	3.1	3.0	3.7	4.1	4.0	3.8	3.8	3.9	4.1
142.5°	2.7	3.1	3.1	3.0	3.7	4.1	4.1	3.8	3.8	4.0	4.2
143°	2.7	3.1	3.1	3.0	3.6	4.1	4.2	3.9	3.9	4.0	4.3
143.5°	2.8	3.2	3.1	3.0	3.6	4.0	4.3	4.0	4.0	4.1	4.4
144°	2.7	3.2	3.1	3.0	3.6	4.0	4.3	4.1	4.1	4.2	4.5
144.5°	2.7	3.2	3.2	3.0	3.5	4.0	4.3	4.2	4.1	4.3	4.5
145°	2.7	3.2	3.2	3.0	3.5	4.0	4.3	4.4	4.2	4.3	4.6
145.5°	2.7	3.2	3.2	3.0	3.5	4.0	4.3	4.5	4.3	4.4	4.7
146°	2.7	3.2	3.2	3.0	3.4	4.0	4.3	4.5	4.5	4.5	4.8
146.5°	2.7	3.2	3.2	2.9	3.4	4.0	4.2	4.5	4.7	4.7	5.0
147°	2.7	3.2	3.2	2.9	3.3	4.0	4.2	4.5	4.8	4.8	5.1
147.5°	2.7	3.2	3.2	2.9	3.3	4.0	4.2	4.5	4.7	4.9	5.1
148°	2.7	3.2	3.2	3.0	3.3	3.9	4.2	4.5	4.7	4.9	5.1
148.5°	2.7	3.2	3.2	3.0	3.2	3.9	4.2	4.5	4.7	4.9	5.1
149°	2.7	3.2	3.2	3.0	3.2	3.9	4.2	4.5	4.7	4.9	5.1
149.5°	2.6	3.2	3.3	3.0	3.2	3.8	4.2	4.4	4.7	4.9	5.1
150°	2.7	3.1	3.3	3.0	3.1	3.8	4.2	4.4	4.7	4.9	5.1
150.5°	2.7	3.1	3.3	3.0	3.1	3.7	4.2	4.4	4.7	4.8	5.0
151°	2.5	3.1	3.3	3.0	3.1	3.6	4.1	4.4	4.6	4.7	4.9
151.5°	2.4	3.1	3.3	3.0	3.1	3.6	4.1	4.4	4.6	4.7	4.9
152°	2.4	3.0	3.3	3.1	3.1	3.5	4.0	4.4	4.6	4.7	4.9
152.5°	2.4	3.0	3.3	3.1	3.1	3.5	4.0	4.4	4.6	4.7	4.9
153°	2.4	3.0	3.3	3.1	3.1	3.4	3.9	4.3	4.5	4.7	4.9
153.5°	2.2	2.9	3.3	3.1	3.1	3.4	3.8	4.2	4.5	4.7	4.8
154°	2.0	2.8	3.3	3.1	3.1	3.3	3.8	4.2	4.4	4.6	4.7
154.5°	2.0	2.8	3.3	3.2	3.1	3.3	3.7	4.1	4.3	4.5	4.6
155°	2.0	2.8	3.3	3.2	3.1	3.3	3.6	4.0	4.2	4.4	4.5
155.5°	2.0	2.8	3.3	3.2	3.2	3.3	3.5	3.9	4.2	4.3	4.4
156°	1.9	2.8	3.3	3.2	3.2	3.2	3.5	3.8	4.1	4.2	4.3



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.8	2.8	3.3	3.3	3.3	3.3	3.4	3.6	3.8	4.0	4.0
158°	1.8	2.8	3.3	3.3	3.3	3.3	3.3	3.5	3.7	3.9	3.9
158.5°	1.8	2.8	3.3	3.3	3.3	3.3	3.3	3.5	3.7	3.8	3.8
159°	1.8	2.8	3.3	3.3	3.4	3.3	3.3	3.4	3.6	3.7	3.7
159.5°	1.8	2.7	3.2	3.3	3.4	3.4	3.3	3.4	3.5	3.6	3.7
160°	1.8	2.7	3.2	3.3	3.4	3.4	3.4	3.4	3.5	3.6	3.6
160.5°	1.8	2.7	3.2	3.3	3.4	3.4	3.4	3.4	3.5	3.5	3.6
161°	1.8	2.7	3.2	3.3	3.5	3.5	3.4	3.4	3.5	3.5	3.6
161.5°	1.8	2.7	3.2	3.3	3.5	3.5	3.4	3.4	3.4	3.5	3.5
162°	1.9	2.6	3.2	3.3	3.5	3.5	3.5	3.4	3.4	3.5	3.5
162.5°	1.9	2.6	3.1	3.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5
163°	1.9	2.5	3.1	3.3	3.5	3.6	3.5	3.5	3.5	3.5	3.6
163.5°	1.9	2.5	3.1	3.3	3.5	3.6	3.6	3.5	3.5	3.5	3.6
164°	1.9	2.4	3.1	3.3	3.5	3.6	3.6	3.5	3.5	3.5	3.6
164.5°	1.9	2.3	3.1	3.3	3.5	3.6	3.6	3.6	3.5	3.6	3.6
165°	1.9	2.2	3.1	3.3	3.5	3.6	3.6	3.6	3.6	3.6	3.6
165.5°	1.9	2.3	3.0	3.3	3.5	3.7	3.7	3.6	3.6	3.6	3.7
166°	1.9	2.3	3.1	3.2	3.5	3.7	3.7	3.7	3.6	3.6	3.7
166.5°	1.9	2.3	3.2	3.2	3.5	3.7	3.7	3.7	3.7	3.7	3.7
167°	2.0	2.3	3.0	3.2	3.5	3.7	3.7	3.7	3.7	3.7	3.7
167.5°	2.0	2.4	2.8	3.2	3.4	3.7	3.7	3.7	3.7	3.7	3.8
168°	2.0	2.4	2.9	3.0	3.5	3.7	3.7	3.8	3.8	3.8	3.8
168.5°	2.0	2.3	3.0	2.9	3.5	3.7	3.8	3.8	3.8	3.8	3.8
169°	2.0	2.1	2.9	3.1	3.4	3.7	3.8	3.8	3.8	3.8	3.8
169.5°	2.1	2.3	2.5	3.2	3.1	3.5	3.7	3.8	3.8	3.8	3.8
170°	2.1	2.5	2.6	3.0	3.1	3.5	3.7	3.8	3.8	3.8	3.8
170.5°	2.4	2.4	2.9	2.9	3.4	3.6	3.7	3.8	3.8	3.8	3.8
171°	2.7	2.5	2.9	3.0	3.3	3.4	3.7	3.8	3.8	3.8	3.8
171.5°	2.7	2.8	2.7	3.0	2.9	3.1	3.6	3.7	3.8	3.8	3.8
172°	2.8	2.8	2.8	2.9	3.0	3.0	3.5	3.7	3.7	3.7	3.8
172.5°	2.9	2.9	2.9	2.9	3.1	3.3	3.5	3.6	3.7	3.7	3.7
173°	2.9	2.9	3.0	2.9	2.9	3.3	3.4	3.5	3.6	3.6	3.6
173.5°	2.9	2.9	3.0	2.9	3.0	3.0	3.4	3.5	3.6	3.6	3.6
174°	3.0	3.0	3.1	2.8	3.0	3.2	3.3	3.5	3.5	3.5	3.5
174.5°	3.1	3.1	3.1	3.0	2.8	3.0	3.1	3.4	3.5	3.5	3.5
175°	3.1	3.2	3.2	3.1	2.8	3.0	3.2	3.4	3.5	3.5	3.5
175.5°	3.2	3.2	3.2	3.1	2.9	2.9	3.2	3.4	3.5	3.5	3.4
176°	3.2	3.2	3.2	3.1	2.8	2.8	3.0	3.3	3.5	3.5	3.4
176.5°	3.2	3.2	3.3	3.2	3.0	2.8	3.0	3.2	3.4	3.5	3.4
177°	3.2	3.2	3.3	3.3	3.0	2.8	3.0	3.2	3.3	3.4	3.3
177.5°	3.2	3.3	3.3	3.2	2.9	2.8	2.9	3.1	3.3	3.3	3.3
178°	3.2	3.3	3.2	3.1	2.9	2.8	2.8	3.0	3.2	3.3	3.1
178.5°	3.3	3.3	3.2	3.0	2.8	2.6	2.6	2.9	3.1	3.3	3.1



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2
0.5°	1725.6	1725.5	1725.4	1725.2	1725.0	1724.8	1724.6	1724.5	1724.5	1724.5	1724.5
1°	1725.5	1725.8	1726.0	1726.1	1726.0	1725.6	1725.1	1724.7	1724.3	1724.1	1724.1
1.5°	1726.0	1725.9	1725.4	1724.6	1724.0	1724.0	1724.0	1723.8	1723.4	1723.1	1723.1
2°	1726.0	1724.7	1723.2	1723.2	1723.1	1722.5	1722.3	1722.4	1722.1	1721.9	1721.9
2.5°	1724.6	1724.4	1724.6	1723.5	1723.4	1723.0	1722.0	1721.8	1721.5	1721.3	1720.8
3°	1723.9	1723.5	1723.2	1722.4	1722.4	1722.1	1721.7	1721.1	1719.7	1718.6	1718.9
3.5°	1722.5	1722.2	1722.1	1722.2	1721.4	1720.1	1719.8	1720.1	1718.1	1717.3	1717.0
4°	1722.2	1721.4	1720.7	1720.7	1720.4	1719.6	1718.3	1718.7	1717.6	1716.2	1715.0
4.5°	1719.0	1720.0	1718.3	1719.4	1719.4	1718.2	1716.8	1716.0	1715.5	1714.3	1713.4
5°	1718.3	1718.3	1718.0	1717.1	1717.5	1716.8	1715.6	1714.6	1714.0	1712.9	1710.7
5.5°	1717.3	1716.6	1716.3	1715.3	1715.7	1714.4	1714.2	1713.0	1712.3	1711.1	1708.7
6°	1715.3	1714.6	1713.8	1713.4	1713.2	1712.6	1712.2	1710.9	1709.8	1709.0	1705.9
6.5°	1712.9	1712.3	1711.9	1711.2	1710.7	1711.4	1710.3	1708.7	1706.8	1706.7	1703.6
7°	1710.8	1709.7	1710.2	1709.1	1708.8	1708.9	1708.1	1705.9	1704.1	1703.4	1701.3
7.5°	1707.9	1707.2	1707.3	1707.4	1706.0	1706.1	1705.1	1704.1	1701.3	1700.9	1698.9
8°	1705.2	1704.8	1704.4	1704.5	1703.9	1704.0	1701.8	1700.6	1698.8	1698.1	1695.3
8.5°	1701.7	1701.8	1701.3	1701.0	1701.5	1700.5	1700.2	1698.0	1696.8	1694.7	1692.3
9°	1698.3	1698.7	1698.3	1698.2	1698.7	1697.3	1696.8	1695.6	1692.9	1691.3	1689.0
9.5°	1695.5	1695.6	1694.7	1694.9	1695.0	1694.7	1693.0	1691.7	1688.9	1687.6	1684.8
10°	1691.7	1691.8	1691.1	1692.1	1691.6	1690.1	1690.2	1688.5	1685.8	1684.1	1681.1
10.5°	1687.9	1688.3	1686.7	1688.5	1688.0	1687.1	1687.1	1685.3	1682.8	1679.7	1677.5
11°	1683.2	1684.6	1683.9	1685.2	1684.6	1684.0	1683.5	1681.7	1678.7	1675.5	1673.0
11.5°	1678.8	1680.4	1679.4	1680.7	1680.6	1680.7	1679.4	1677.2	1674.1	1671.9	1668.4
12°	1674.6	1675.5	1675.2	1676.0	1677.0	1676.1	1675.3	1673.2	1670.6	1668.1	1664.0
12.5°	1670.1	1671.3	1671.1	1671.4	1672.9	1671.9	1671.0	1669.3	1666.7	1662.9	1660.0
13°	1665.3	1666.5	1665.9	1666.5	1667.8	1667.3	1667.1	1665.1	1662.7	1658.2	1655.3
13.5°	1659.9	1660.6	1660.7	1662.2	1663.0	1662.7	1662.5	1660.6	1657.2	1653.3	1649.5
14°	1654.2	1655.5	1656.3	1657.6	1658.4	1658.2	1657.8	1656.4	1652.3	1648.4	1644.3
14.5°	1648.5	1649.9	1651.0	1652.3	1653.7	1653.6	1653.1	1651.2	1648.2	1643.1	1638.9
15°	1642.7	1645.0	1645.5	1647.1	1649.1	1648.3	1648.3	1645.8	1643.2	1637.1	1633.4
15.5°	1636.7	1639.7	1640.4	1642.0	1644.0	1642.8	1643.4	1640.6	1637.4	1632.0	1627.8
16°	1630.2	1633.1	1634.4	1636.0	1638.1	1637.9	1637.9	1635.8	1631.8	1627.2	1622.3
16.5°	1624.1	1627.1	1628.4	1630.2	1632.1	1632.5	1632.0	1630.7	1626.8	1621.6	1616.0
17°	1617.4	1620.3	1621.9	1624.0	1626.7	1626.6	1626.4	1625.1	1621.0	1615.3	1609.2
17.5°	1610.7	1614.1	1615.9	1617.9	1621.1	1621.2	1621.8	1619.0	1614.9	1609.4	1603.1
18°	1604.1	1606.6	1609.6	1612.4	1614.7	1614.8	1615.2	1612.6	1608.5	1603.2	1596.3
18.5°	1596.6	1599.1	1603.2	1605.7	1608.5	1608.3	1608.3	1606.8	1602.4	1596.1	1589.1
19°	1588.9	1591.8	1595.8	1598.3	1602.1	1602.5	1602.5	1600.7	1596.6	1589.4	1582.7
19.5°	1581.1	1584.5	1588.4	1592.0	1595.1	1595.7	1596.1	1594.1	1589.8	1582.8	1575.3
20°	1574.2	1577.8	1581.4	1585.0	1588.2	1589.4	1589.4	1587.7	1583.2	1575.9	1568.2
20.5°	1566.3	1569.8	1574.3	1577.3	1581.6	1582.3	1582.4	1581.2	1576.5	1568.9	1560.7
21°	1557.9	1562.6	1566.1	1569.9	1574.0	1575.9	1575.8	1573.9	1569.3	1561.3	1553.3



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1532.3	1536.5	1542.0	1547.5	1551.8	1554.2	1554.1	1551.7	1547.1	1538.3	1530.1
23°	1523.3	1528.0	1534.0	1539.2	1543.9	1546.2	1546.4	1543.9	1539.6	1531.1	1521.3
23.5°	1514.3	1519.2	1525.2	1530.4	1536.5	1539.0	1539.1	1536.7	1531.6	1523.5	1513.2
24°	1504.7	1510.7	1516.2	1522.3	1527.9	1530.7	1531.1	1529.1	1524.0	1515.3	1504.8
24.5°	1495.3	1501.2	1507.6	1513.6	1519.5	1522.7	1523.7	1521.2	1515.8	1506.8	1496.2
25°	1486.2	1491.7	1498.8	1505.0	1511.0	1514.7	1515.8	1513.1	1507.5	1498.0	1487.1
25.5°	1476.3	1482.6	1489.3	1495.8	1502.2	1506.2	1507.1	1504.6	1499.1	1489.5	1478.6
26°	1466.3	1472.9	1480.1	1486.5	1493.7	1497.4	1498.2	1496.7	1490.8	1480.7	1469.3
26.5°	1456.4	1462.6	1470.3	1477.3	1485.2	1489.2	1489.9	1488.0	1481.7	1472.1	1460.1
27°	1445.8	1453.0	1460.6	1468.2	1475.5	1480.1	1481.1	1478.8	1473.2	1462.9	1450.8
27.5°	1435.6	1442.4	1450.8	1458.5	1466.8	1470.9	1472.0	1470.0	1464.2	1453.9	1441.2
28°	1424.6	1432.5	1440.2	1449.3	1457.1	1461.3	1462.7	1461.1	1455.0	1444.6	1431.3
28.5°	1414.0	1421.6	1430.5	1439.4	1447.2	1452.4	1453.8	1452.2	1445.8	1435.0	1422.1
29°	1403.0	1411.1	1420.5	1428.8	1438.1	1443.6	1444.9	1442.6	1436.4	1425.5	1412.0
29.5°	1391.5	1399.5	1409.7	1418.6	1428.2	1433.1	1435.8	1433.3	1426.5	1415.7	1401.5
30°	1380.8	1389.2	1399.2	1408.9	1418.1	1424.4	1425.3	1423.6	1416.6	1405.8	1391.6
30.5°	1369.4	1377.2	1388.4	1398.8	1407.9	1414.2	1415.3	1413.4	1407.8	1395.7	1381.1
31°	1356.9	1366.8	1377.7	1387.8	1397.9	1403.6	1406.1	1404.4	1397.4	1385.2	1370.8
31.5°	1345.1	1355.4	1366.5	1376.7	1387.9	1393.9	1395.9	1393.9	1386.8	1375.5	1360.3
32°	1333.5	1343.4	1355.1	1366.5	1376.8	1383.4	1385.3	1383.9	1377.3	1365.0	1349.5
32.5°	1321.5	1332.2	1344.2	1355.4	1365.9	1373.2	1375.4	1374.0	1366.5	1354.5	1338.9
33°	1309.5	1320.0	1332.8	1344.3	1356.0	1362.3	1365.2	1363.2	1356.4	1344.0	1327.4
33.5°	1297.2	1308.2	1321.0	1333.5	1344.6	1351.9	1354.1	1353.0	1345.8	1332.9	1316.4
34°	1284.9	1296.1	1309.3	1322.0	1333.0	1341.1	1343.6	1342.9	1335.1	1322.1	1305.4
34.5°	1273.0	1283.9	1297.5	1310.3	1322.2	1330.6	1333.1	1331.7	1323.8	1311.5	1295.4
35°	1260.2	1271.2	1285.4	1298.4	1311.3	1319.2	1322.4	1320.7	1313.3	1300.3	1284.6
35.5°	1246.8	1259.4	1273.3	1286.8	1299.8	1307.4	1311.1	1309.7	1302.4	1289.9	1272.4
36°	1234.0	1246.6	1261.2	1275.5	1287.8	1296.8	1300.1	1299.2	1291.6	1278.0	1260.3
36.5°	1221.2	1233.6	1249.1	1263.8	1276.5	1285.7	1289.0	1288.2	1279.8	1266.2	1248.2
37°	1208.3	1221.3	1236.6	1250.8	1265.4	1274.5	1277.5	1276.4	1268.2	1254.4	1236.1
37.5°	1195.6	1208.2	1224.1	1239.3	1253.2	1262.7	1266.0	1264.8	1256.5	1242.6	1224.0
38°	1182.2	1195.7	1211.9	1227.4	1241.6	1250.7	1254.3	1253.1	1244.9	1230.9	1212.1
38.5°	1169.5	1182.2	1199.5	1214.8	1228.5	1238.7	1242.7	1241.4	1233.2	1219.0	1199.7
39°	1156.1	1169.8	1186.5	1202.2	1216.8	1226.6	1230.7	1229.5	1221.2	1207.0	1187.8
39.5°	1143.2	1156.5	1173.6	1189.7	1204.6	1214.6	1218.5	1217.2	1209.0	1195.2	1175.1
40°	1129.4	1143.1	1160.6	1177.2	1192.3	1202.8	1206.7	1205.3	1197.2	1182.8	1162.9
40.5°	1115.5	1130.0	1147.2	1165.0	1179.5	1190.6	1194.5	1192.8	1185.0	1170.7	1150.6
41°	1101.9	1116.3	1134.4	1151.7	1167.4	1177.7	1181.9	1180.9	1172.7	1158.7	1138.2
41.5°	1088.9	1103.2	1121.4	1138.7	1154.4	1165.4	1169.9	1168.6	1160.8	1145.6	1125.0
42°	1075.7	1090.5	1108.3	1125.9	1141.8	1152.6	1156.9	1156.7	1147.9	1132.6	1112.3
42.5°	1062.2	1076.9	1095.2	1113.1	1128.8	1140.0	1144.6	1143.8	1135.6	1120.4	1099.2
43°	1048.6	1062.6	1081.7	1100.0	1116.1	1128.2	1131.9	1131.1	1122.7	1107.9	1087.5
43.5°	1034.5	1049.8	1068.6	1087.0	1103.6	1114.8	1119.3	1118.4	1109.8	1095.0	1074.3



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	994.2	1009.2	1028.5	1047.2	1064.8	1076.1	1080.4	1080.0	1071.7	1055.9	1034.9
45.5°	980.0	995.3	1015.0	1034.1	1050.8	1062.4	1067.8	1067.1	1058.1	1042.8	1021.7
46°	966.3	981.4	1001.5	1020.5	1037.5	1049.9	1054.3	1053.8	1044.8	1030.0	1008.5
46.5°	952.5	968.4	987.4	1007.0	1023.9	1036.2	1041.0	1040.3	1031.8	1016.8	995.5
47°	939.1	954.1	973.9	993.9	1011.2	1023.5	1028.2	1027.2	1018.4	1003.4	982.0
47.5°	925.4	941.5	960.4	980.1	997.9	1010.3	1014.1	1014.0	1005.4	990.0	968.7
48°	911.8	927.0	946.8	966.5	984.3	996.7	1001.0	1000.2	992.0	976.9	955.3
48.5°	898.4	913.6	933.9	953.3	970.2	982.7	987.3	987.0	978.6	963.4	941.5
49°	884.5	900.3	920.5	939.6	957.5	969.5	974.1	973.8	965.5	949.8	928.5
49.5°	871.4	886.9	906.7	925.9	943.3	956.5	961.0	960.1	951.7	936.2	915.3
50°	858.0	872.7	893.0	912.0	930.5	942.8	947.5	946.7	938.2	923.1	901.6
50.5°	844.6	859.5	879.3	898.9	916.6	929.2	933.8	933.0	924.9	909.3	887.7
51°	830.8	846.1	865.8	885.6	903.3	915.3	919.8	919.3	910.6	895.6	874.4
51.5°	817.9	833.3	852.2	872.0	889.2	902.2	906.1	905.7	897.3	882.4	860.8
52°	804.6	819.3	838.8	857.9	875.9	887.6	892.8	892.1	883.6	868.2	847.2
52.5°	791.6	806.1	825.4	844.5	862.0	874.3	879.2	879.6	869.8	854.3	833.6
53°	778.4	792.9	811.7	831.1	848.6	860.4	866.3	865.7	856.0	840.9	820.2
53.5°	765.2	779.9	798.6	817.4	835.0	847.1	853.8	850.4	842.3	827.6	806.6
54°	752.1	765.6	785.4	803.7	821.4	833.0	839.1	836.5	828.1	813.5	793.3
54.5°	739.4	753.1	771.8	790.4	807.1	819.7	823.8	822.8	814.5	800.0	779.8
55°	726.0	740.2	758.5	777.0	793.8	805.6	809.9	808.6	800.5	786.3	766.0
55.5°	712.9	727.2	745.7	763.5	779.8	791.9	795.6	794.5	786.4	772.4	752.3
56°	700.1	713.9	732.2	749.8	766.2	777.5	781.8	782.2	773.0	758.5	738.9
56.5°	687.5	701.0	718.8	736.4	752.6	763.7	768.6	768.2	759.3	744.8	725.4
57°	675.1	688.0	705.2	723.1	738.9	750.0	756.4	752.5	745.7	731.1	711.8
57.5°	662.3	675.5	692.1	710.2	725.2	736.4	741.7	738.8	730.7	717.2	698.4
58°	649.7	662.7	679.6	696.7	711.2	722.5	725.6	724.9	716.9	703.5	684.8
58.5°	637.4	649.7	666.1	682.7	697.5	708.3	711.8	711.2	702.9	690.2	671.2
59°	625.2	637.0	652.8	669.1	684.3	694.4	698.1	697.4	689.4	676.0	657.6
59.5°	612.6	624.8	640.0	655.9	670.7	681.5	685.3	682.3	675.1	662.1	644.5
60°	600.7	612.4	627.1	643.0	658.1	667.7	670.8	668.5	661.2	648.5	630.5
60.5°	588.6	599.8	614.5	629.7	644.8	653.1	655.4	654.6	646.7	634.6	617.3
61°	576.4	587.3	602.1	616.6	630.4	638.5	641.1	640.7	633.1	620.7	604.0
61.5°	564.3	574.8	589.2	604.1	616.2	625.1	627.7	626.2	618.6	606.8	590.2
62°	552.2	562.3	576.4	590.7	606.8	612.8	614.6	612.3	604.6	593.4	576.9
62.5°	540.0	549.7	563.5	577.9	592.4	608.3	596.6	597.8	590.9	579.7	563.4
63°	528.0	537.7	550.5	564.3	579.1	591.4	582.8	584.2	577.2	565.9	550.7
63.5°	516.5	525.7	537.7	550.6	564.1	575.1	569.4	569.9	562.6	552.4	537.4
64°	505.1	513.8	525.2	537.2	549.0	558.7	555.8	555.5	549.0	538.8	524.1
64.5°	493.5	501.7	512.9	524.4	535.2	542.4	542.2	541.5	535.1	524.9	510.7
65°	482.1	490.1	500.9	511.7	521.5	527.8	528.3	527.8	521.4	511.3	498.0
65.5°	470.7	478.5	488.5	498.8	508.1	513.8	515.0	513.6	507.3	497.8	484.7
66°	459.3	466.9	476.1	486.3	494.8	501.3	501.2	499.5	493.6	484.3	471.5



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	426.5	432.2	440.8	448.8	455.6	459.4	458.9	457.8	452.2	444.0	432.9
68°	415.3	421.1	428.9	436.1	442.4	446.1	445.0	444.0	438.4	430.4	419.6
68.5°	404.6	409.8	416.7	423.7	429.4	432.5	431.7	430.1	424.4	416.9	407.1
69°	393.7	398.3	405.1	411.2	416.2	419.1	417.8	416.1	410.6	403.9	394.3
69.5°	382.7	387.0	393.5	399.1	403.8	406.0	404.2	401.9	397.2	390.7	381.9
70°	371.9	376.3	382.0	387.2	391.0	392.2	390.1	388.5	383.7	377.4	369.2
70.5°	361.7	365.4	370.7	375.0	378.2	378.8	376.6	374.8	369.7	364.5	356.5
71°	351.5	354.7	359.3	363.1	365.5	365.7	362.8	361.3	356.7	351.1	343.9
71.5°	340.9	344.2	347.9	351.0	352.9	352.4	349.4	347.6	343.1	338.2	331.7
72°	330.6	333.3	336.6	339.3	340.5	339.4	336.1	334.0	329.6	325.1	319.5
72.5°	320.5	322.5	325.5	327.4	328.3	326.6	322.7	320.4	316.2	312.5	307.3
73°	310.2	311.9	314.4	315.8	316.1	313.6	309.3	306.9	302.9	299.6	294.9
73.5°	300.3	301.5	303.5	304.3	303.8	300.9	296.2	293.6	289.9	287.0	283.0
74°	290.7	291.3	292.9	293.1	291.6	288.1	283.0	280.4	277.0	274.3	271.0
74.5°	280.8	281.2	282.1	281.6	279.5	275.5	269.8	267.0	264.0	261.6	259.4
75°	271.0	271.0	271.3	270.0	267.5	263.0	257.0	254.1	251.3	249.5	247.8
75.5°	261.5	261.1	260.8	259.0	255.8	250.6	244.3	241.2	238.3	237.4	236.4
76°	252.1	251.3	250.3	248.0	244.2	238.3	231.5	228.3	225.8	225.3	224.7
76.5°	242.8	241.4	240.1	236.9	232.7	226.2	218.7	215.5	213.4	213.4	213.7
77°	233.4	231.8	230.1	226.6	221.2	214.2	206.6	203.0	201.1	201.5	202.6
77.5°	224.3	222.4	220.0	215.9	209.9	202.3	194.2	190.7	188.8	190.1	191.8
78°	215.4	213.1	210.0	205.4	198.8	190.7	182.3	178.4	177.0	178.5	180.6
78.5°	206.6	203.9	200.5	195.2	188.1	179.2	170.4	166.5	165.2	167.3	170.4
79°	197.9	195.0	190.9	185.1	177.4	168.0	158.9	155.1	154.1	156.9	160.6
79.5°	189.4	186.0	181.5	174.8	166.9	156.9	147.1	143.8	143.0	146.5	150.8
80°	180.9	177.3	172.4	165.3	156.4	145.8	136.0	132.4	131.9	136.1	141.1
80.5°	172.7	168.7	163.3	155.4	146.3	135.4	125.1	121.1	120.9	125.7	131.3
81°	164.8	160.4	154.5	146.3	136.4	125.1	114.5	110.2	110.4	115.3	121.5
81.5°	156.9	152.2	145.9	137.1	127.0	115.1	104.1	99.3	100.3	105.5	112.4
82°	149.1	144.1	137.5	128.5	117.4	105.3	94.0	89.1	90.2	95.9	103.4
82.5°	141.5	136.3	129.4	119.7	108.4	95.8	84.4	79.6	80.7	86.9	95.0
83°	134.3	128.8	121.4	111.5	99.7	86.6	75.1	70.2	71.6	78.3	86.8
83.5°	127.1	121.5	113.8	103.5	91.2	78.0	66.3	61.3	63.2	70.0	78.9
84°	120.1	114.4	106.4	95.7	83.1	69.6	57.8	52.7	54.7	61.9	71.5
84.5°	113.6	107.4	99.1	88.0	75.4	61.6	50.6	44.7	46.9	54.4	64.4
85°	106.9	100.7	92.1	81.1	68.0	55.1	43.5	37.2	39.4	47.5	57.7
85.5°	100.5	94.2	85.5	74.2	61.1	48.7	36.4	30.2	32.7	41.0	51.5
86°	94.4	88.0	79.2	67.8	55.5	42.2	29.2	25.1	26.5	35.1	45.7
86.5°	88.6	82.2	73.1	61.7	49.8	35.8	23.1	19.9	22.4	29.6	40.3
87°	82.9	76.4	67.2	56.8	44.2	29.3	17.8	14.9	18.2	24.8	35.2
87.5°	77.5	70.8	61.9	51.7	38.6	24.3	13.3	9.8	14.1	21.7	30.7
88°	72.2	65.6	57.2	46.7	33.0	20.0	9.5	4.7	10.0	18.5	26.7
88.5°	67.3	60.4	52.7	41.6	28.6	16.3	6.6	2.2	6.1	15.4	23.1



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	54.5	48.1	39.4	29.1	18.2	8.5	3.0	0.7	2.6	7.7	16.3
90.5°	50.7	44.1	35.7	25.8	15.6	6.9	1.8	0.5	2.2	6.6	14.4
91°	46.8	40.4	32.4	22.9	13.4	6.0	1.3	0.4	1.9	5.8	12.4
91.5°	43.1	37.1	29.3	20.3	11.5	5.3	1.1	0.3	1.7	5.2	10.6
92°	39.8	33.9	26.4	18.1	10.1	4.5	0.9	0.3	1.5	4.9	9.6
92.5°	36.7	31.1	23.9	16.1	8.8	3.8	0.7	0.3	1.4	4.5	8.9
93°	33.9	28.5	21.7	14.4	7.9	3.4	0.6	0.4	1.3	4.2	8.4
93.5°	31.3	26.1	19.7	13.0	7.2	3.1	0.6	0.5	1.2	4.0	8.0
94°	28.8	23.9	17.9	11.8	6.7	2.8	0.5	0.5	1.2	4.0	7.6
94.5°	26.6	22.0	16.4	10.8	6.3	2.6	0.6	0.6	1.2	3.9	7.3
95°	24.6	20.2	15.0	10.0	5.9	2.3	0.6	0.6	1.2	3.8	7.0
95.5°	22.7	18.7	13.9	9.4	5.5	2.2	0.7	0.8	1.2	3.8	6.8
96°	21.1	17.3	13.0	8.9	5.1	2.0	0.8	0.8	1.2	3.7	6.6
96.5°	19.7	16.2	12.3	8.5	4.8	1.9	0.9	0.9	1.2	3.5	6.5
97°	18.4	15.2	11.6	8.1	4.6	1.8	1.0	1.0	1.2	3.4	6.4
97.5°	17.3	14.4	11.1	7.7	4.3	1.7	1.1	1.1	1.1	3.3	6.3
98°	16.3	13.6	10.6	7.3	4.1	1.6	1.1	1.2	1.2	3.2	6.2
98.5°	15.5	13.1	10.1	7.0	3.8	1.5	1.2	1.3	1.3	3.1	6.1
99°	14.8	12.5	9.7	6.6	3.6	1.5	1.3	1.5	1.4	3.1	6.0
99.5°	14.2	12.1	9.3	6.3	3.4	1.5	1.4	1.6	1.5	3.1	5.9
100°	13.7	11.6	8.9	6.0	3.3	1.4	1.5	1.8	1.6	3.1	5.7
100.5°	13.2	11.1	8.5	5.6	3.1	1.4	1.6	1.9	1.7	3.0	5.6
101°	12.7	10.7	8.2	5.3	2.9	1.4	1.6	2.0	1.8	3.0	5.5
101.5°	12.2	10.2	7.8	5.1	2.7	1.4	1.7	2.1	1.9	2.9	5.3
102°	11.8	9.8	7.5	4.8	2.6	1.5	1.8	2.2	1.9	2.8	5.2
102.5°	11.3	9.4	7.1	4.6	2.4	1.5	1.9	2.3	2.0	2.7	5.1
103°	10.9	9.1	6.8	4.4	2.3	1.5	2.0	2.3	2.1	2.6	5.0
103.5°	10.5	8.7	6.5	4.2	2.2	1.6	2.1	2.4	2.2	2.5	4.9
104°	10.1	8.4	6.3	4.0	2.1	1.7	2.2	2.4	2.3	2.5	4.8
104.5°	9.7	8.0	6.0	3.8	2.1	1.9	2.2	2.5	2.4	2.5	4.7
105°	9.3	7.7	5.7	3.6	2.1	2.0	2.4	2.6	2.4	2.4	4.5
105.5°	9.0	7.4	5.5	3.4	2.1	2.0	2.8	2.7	2.5	2.4	4.4
106°	8.6	7.1	5.2	3.3	2.1	2.0	3.2	2.7	2.6	2.4	4.2
106.5°	8.3	6.8	5.0	3.1	2.1	2.1	3.5	2.8	2.8	2.3	4.1
107°	7.9	6.5	4.8	3.0	2.0	2.1	3.7	2.9	3.2	2.3	3.9
107.5°	7.6	6.2	4.5	2.9	2.0	2.2	3.8	2.9	3.4	2.3	3.8
108°	7.3	6.0	4.3	2.8	2.1	2.2	3.8	3.0	3.4	2.3	3.7
108.5°	7.0	5.7	4.1	2.7	2.1	2.3	3.7	3.0	3.3	2.4	3.6
109°	6.7	5.4	3.9	2.6	2.2	2.4	3.6	3.1	3.3	2.4	3.5
109.5°	6.5	5.2	3.8	2.5	2.3	2.5	3.6	3.1	3.4	2.5	3.4
110°	6.2	4.9	3.6	2.4	2.3	2.5	3.5	3.1	3.4	2.6	3.3
110.5°	6.0	4.7	3.4	2.4	2.3	2.6	3.5	3.2	3.5	2.6	3.3
111°	5.7	4.5	3.3	2.4	2.4	2.8	3.5	3.2	3.6	2.7	3.2



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	5.0	4.0	2.9	2.3	2.4	3.1	3.6	3.3	3.9	2.9	3.1
113°	4.8	3.8	2.8	2.3	2.5	3.3	3.7	3.4	4.0	2.9	3.1
113.5°	4.6	3.7	2.8	2.3	2.5	3.5	3.7	3.4	4.0	3.0	3.0
114°	4.4	3.6	2.8	2.3	2.6	3.7	3.8	3.4	4.1	3.0	2.9
114.5°	4.2	3.5	2.7	2.4	2.7	3.8	3.8	3.4	4.1	3.1	2.7
115°	4.1	3.4	2.7	2.4	2.8	3.9	3.9	3.4	4.2	3.1	2.6
115.5°	3.9	3.3	2.7	2.5	2.9	4.1	3.9	3.4	4.2	3.2	2.6
116°	3.8	3.3	2.7	2.6	3.0	4.3	3.9	3.4	4.2	3.3	2.7
116.5°	3.7	3.2	2.6	2.7	3.1	4.4	4.0	3.4	4.3	3.4	2.7
117°	3.5	3.1	2.6	2.7	3.2	4.4	4.0	3.4	4.3	3.4	2.8
117.5°	3.4	3.1	2.6	2.8	3.3	4.4	4.1	3.4	4.4	3.5	2.8
118°	3.4	3.0	2.6	2.9	3.4	4.5	4.1	3.5	4.4	3.6	2.9
118.5°	3.3	2.9	2.6	3.0	3.5	4.7	4.2	3.5	4.4	3.6	3.0
119°	3.2	2.9	2.6	3.1	3.6	4.9	4.2	3.5	4.5	3.7	3.0
119.5°	3.1	2.8	2.7	3.1	3.7	5.0	4.3	3.5	4.5	3.8	3.1
120°	3.1	2.8	2.7	3.2	3.7	5.1	4.3	3.5	4.5	3.9	3.2
120.5°	3.0	2.7	2.8	3.3	3.8	5.2	4.3	3.5	4.5	4.1	3.3
121°	2.9	2.7	2.8	3.3	3.9	5.3	4.3	3.5	4.6	4.1	3.3
121.5°	2.9	2.7	2.9	3.4	4.0	5.3	4.4	3.5	4.6	4.1	3.4
122°	2.8	2.7	2.9	3.5	4.1	5.4	4.3	3.5	4.6	4.1	3.4
122.5°	2.8	2.7	3.0	3.5	4.2	5.3	4.3	3.5	4.6	4.1	3.5
123°	2.7	2.7	3.1	3.6	4.3	5.2	4.3	3.5	4.6	4.1	3.5
123.5°	2.7	2.7	3.1	3.7	4.4	5.1	4.2	3.5	4.7	4.2	3.6
124°	2.7	2.8	3.2	3.7	4.5	5.0	4.2	3.5	4.7	4.2	3.6
124.5°	2.7	2.8	3.3	3.8	4.6	5.0	4.2	3.5	4.7	4.3	3.7
125°	2.7	2.9	3.4	3.9	4.8	4.9	4.1	3.5	4.7	4.3	3.7
125.5°	2.7	2.9	3.4	3.9	4.9	4.9	4.1	3.5	4.7	4.4	3.8
126°	2.7	3.0	3.5	4.0	5.1	4.8	4.1	3.5	4.7	4.4	3.8
126.5°	2.8	3.0	3.5	4.1	5.2	4.7	4.1	3.5	4.7	4.4	3.9
127°	2.8	3.1	3.6	4.1	5.2	4.7	4.0	3.5	4.7	4.5	3.9
127.5°	2.8	3.1	3.6	4.2	5.2	4.7	4.0	3.5	4.7	4.5	4.0
128°	2.9	3.2	3.7	4.3	5.3	4.6	4.0	3.5	4.7	4.5	4.0
128.5°	2.9	3.3	3.8	4.4	5.4	4.6	4.0	3.5	4.7	4.5	4.1
129°	3.0	3.3	3.8	4.5	5.5	4.6	4.0	3.5	4.7	4.5	4.2
129.5°	3.0	3.4	3.9	4.6	5.5	4.6	4.0	3.5	4.7	4.6	4.4
130°	3.1	3.4	3.9	4.7	5.6	4.6	4.0	3.6	4.6	4.6	4.4
130.5°	3.1	3.5	4.0	4.8	5.6	4.6	4.0	3.6	4.7	4.7	4.5
131°	3.2	3.5	4.1	4.8	5.7	4.6	4.0	3.6	4.7	4.7	4.4
131.5°	3.2	3.6	4.1	4.9	5.7	4.6	3.9	3.6	4.7	4.7	4.4
132°	3.3	3.7	4.2	5.0	5.8	4.6	3.9	3.6	4.7	4.8	4.4
132.5°	3.3	3.7	4.3	5.2	5.7	4.5	3.9	3.6	4.7	4.8	4.4
133°	3.4	3.8	4.4	5.3	5.7	4.5	3.9	3.6	4.7	4.8	4.4
133.5°	3.4	3.8	4.4	5.4	5.7	4.5	3.9	3.6	4.6	4.8	4.4



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	3.6	4.0	4.7	5.7	5.5	4.4	3.9	3.7	4.6	4.8	4.4
135.5°	3.7	4.1	4.8	5.7	5.5	4.4	4.0	3.7	4.6	4.8	4.4
136°	3.7	4.2	4.8	5.8	5.4	4.4	4.0	3.7	4.6	4.8	4.4
136.5°	3.8	4.2	4.9	5.8	5.4	4.4	4.0	3.7	4.6	4.8	4.4
137°	3.8	4.3	5.0	5.8	5.3	4.4	4.0	3.7	4.5	4.8	4.5
137.5°	3.9	4.4	5.1	5.9	5.2	4.4	4.0	3.7	4.5	4.8	4.5
138°	4.0	4.5	5.2	5.9	5.2	4.4	4.0	3.7	4.4	4.8	4.5
138.5°	4.0	4.5	5.3	5.9	5.1	4.4	4.1	3.7	4.3	4.8	4.5
139°	4.1	4.6	5.4	5.9	5.0	4.4	4.1	3.7	4.2	4.8	4.5
139.5°	4.2	4.7	5.5	5.9	4.9	4.4	4.1	3.7	4.3	4.8	4.5
140°	4.2	4.7	5.6	5.9	4.9	4.4	4.1	3.6	4.4	4.8	4.5
140.5°	4.3	4.8	5.6	5.9	4.8	4.4	4.1	3.6	4.4	4.9	4.5
141°	4.4	4.9	5.7	5.8	4.7	4.4	4.0	3.6	4.4	4.9	4.5
141.5°	4.4	5.0	5.7	5.7	4.7	4.4	4.1	3.6	4.3	4.9	4.5
142°	4.5	5.1	5.7	5.6	4.6	4.4	4.1	3.6	4.3	4.9	4.5
142.5°	4.6	5.2	5.8	5.5	4.6	4.4	4.1	3.5	4.3	4.9	4.5
143°	4.6	5.4	5.8	5.4	4.5	4.5	4.0	3.4	4.3	4.8	4.4
143.5°	4.7	5.4	5.8	5.4	4.5	4.5	4.0	3.5	4.3	4.7	4.4
144°	4.8	5.5	5.8	5.3	4.4	4.5	4.0	3.5	4.3	4.7	4.5
144.5°	4.9	5.5	5.7	5.2	4.4	4.4	4.1	3.5	4.3	4.8	4.6
145°	5.1	5.5	5.7	5.1	4.4	4.4	4.1	3.6	4.2	4.9	4.6
145.5°	5.2	5.5	5.6	5.0	4.4	4.4	4.1	3.5	4.2	4.9	4.5
146°	5.3	5.5	5.5	4.9	4.3	4.4	4.1	3.5	4.1	4.9	4.5
146.5°	5.3	5.5	5.4	4.8	4.3	4.4	4.1	3.5	4.1	4.9	4.6
147°	5.3	5.4	5.3	4.7	4.3	4.4	4.0	3.5	4.0	4.9	4.6
147.5°	5.3	5.4	5.2	4.6	4.3	4.3	3.9	3.5	4.1	4.9	4.7
148°	5.3	5.4	5.2	4.5	4.2	4.2	3.9	3.5	4.1	4.9	4.7
148.5°	5.2	5.4	5.1	4.4	4.2	4.1	3.9	3.6	4.1	4.9	4.7
149°	5.2	5.3	5.0	4.4	4.2	4.2	4.0	3.6	4.0	4.8	4.8
149.5°	5.2	5.2	4.8	4.3	4.2	4.3	4.0	3.5	4.0	4.8	4.8
150°	5.2	5.1	4.7	4.2	4.1	4.2	4.0	3.5	4.0	4.8	4.8
150.5°	5.1	5.0	4.6	4.2	4.1	4.2	3.9	3.6	4.0	4.7	4.8
151°	5.1	4.9	4.5	4.1	4.0	4.1	3.9	3.6	4.0	4.7	4.6
151.5°	5.1	4.8	4.4	4.1	4.0	4.2	3.9	3.6	3.9	4.7	4.6
152°	5.0	4.7	4.3	4.0	4.1	4.2	3.8	3.6	3.9	4.6	4.7
152.5°	4.9	4.6	4.2	4.0	4.1	4.1	3.8	3.5	3.7	4.5	4.8
153°	4.8	4.5	4.1	4.0	4.1	4.1	3.8	3.5	3.5	4.4	4.8
153.5°	4.7	4.4	4.1	3.9	4.1	4.1	3.8	3.4	3.4	4.4	4.8
154°	4.6	4.3	4.0	3.9	4.1	4.1	3.8	3.4	3.4	4.3	4.8
154.5°	4.5	4.2	3.9	3.9	4.1	4.0	3.7	3.4	3.3	4.1	4.7
155°	4.4	4.1	3.9	3.9	4.0	3.9	3.7	3.3	3.2	3.9	4.5
155.5°	4.2	4.0	3.8	3.9	3.9	3.8	3.7	3.2	3.2	3.8	4.3
156°	4.2	3.9	3.8	3.9	3.9	3.7	3.6	3.1	3.2	3.7	4.1



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	3.9	3.7	3.7	3.8	3.8	3.7	3.1	3.0	3.2	3.5	4.1
158°	3.8	3.7	3.7	3.9	3.9	3.7	3.0	3.0	3.1	3.5	4.1
158.5°	3.8	3.7	3.7	3.9	3.9	3.6	3.0	3.0	3.1	3.5	4.0
159°	3.7	3.6	3.7	3.8	3.8	3.6	3.0	3.0	3.1	3.4	3.9
159.5°	3.7	3.6	3.7	3.8	3.7	3.5	3.0	3.0	3.1	3.4	3.8
160°	3.6	3.6	3.7	3.7	3.7	3.6	3.0	3.0	3.1	3.4	3.8
160.5°	3.6	3.6	3.7	3.7	3.7	3.6	3.0	3.0	3.1	3.3	3.7
161°	3.6	3.7	3.7	3.7	3.8	3.5	3.0	3.0	3.1	3.3	3.7
161.5°	3.6	3.7	3.8	3.8	3.8	3.3	3.0	3.0	3.1	3.3	3.6
162°	3.6	3.7	3.8	3.9	3.7	3.0	2.9	2.9	3.0	3.2	3.6
162.5°	3.6	3.7	3.8	3.9	3.6	3.0	2.9	2.9	3.0	3.2	3.5
163°	3.6	3.7	3.8	3.9	3.5	3.0	2.9	2.9	3.0	3.2	3.5
163.5°	3.6	3.7	3.8	3.8	3.3	2.9	2.9	2.9	3.0	3.2	3.5
164°	3.7	3.7	3.8	3.7	3.1	2.9	2.9	2.9	3.0	3.1	3.4
164.5°	3.7	3.8	3.9	3.7	3.1	2.9	2.9	2.9	3.0	3.1	3.4
165°	3.7	3.8	3.9	3.7	3.0	2.9	2.9	2.9	3.0	3.1	3.4
165.5°	3.7	3.8	3.9	3.6	3.0	2.9	2.9	2.9	3.0	3.1	3.3
166°	3.7	3.8	3.8	3.5	3.0	2.9	2.9	2.9	3.0	3.1	3.3
166.5°	3.8	3.8	3.8	3.5	3.0	2.9	2.9	2.9	3.0	3.1	3.3
167°	3.8	3.8	3.8	3.4	3.0	2.9	2.9	2.9	3.0	3.1	3.3
167.5°	3.8	3.9	3.7	3.2	2.9	2.9	2.9	2.9	3.0	3.1	3.3
168°	3.8	3.9	3.7	3.0	2.9	2.9	3.0	2.9	3.0	3.1	3.2
168.5°	3.9	3.9	3.6	3.0	2.9	2.9	3.0	2.9	3.0	3.1	3.2
169°	3.9	3.8	3.5	3.0	2.9	2.9	3.0	3.0	3.0	3.1	3.2
169.5°	3.9	3.8	3.5	3.0	2.9	3.0	3.0	3.0	3.0	3.1	3.2
170°	3.8	3.8	3.5	3.0	2.9	3.0	3.2	3.1	3.0	3.1	3.3
170.5°	3.8	3.7	3.1	2.9	2.9	3.1	3.3	3.3	2.9	3.4	3.6
171°	3.8	3.6	3.0	2.9	3.0	3.2	3.4	3.3	3.0	3.6	3.6
171.5°	3.8	3.5	2.9	2.9	3.0	3.2	3.5	3.3	3.3	3.6	3.6
172°	3.7	3.4	2.9	2.9	3.0	3.4	3.4	3.3	3.4	3.5	3.6
172.5°	3.6	3.3	2.9	2.8	3.1	3.5	3.4	3.4	3.4	3.5	3.6
173°	3.5	3.3	2.9	2.8	3.1	3.4	3.4	3.4	3.4	3.5	3.6
173.5°	3.5	3.2	2.9	2.9	3.2	3.4	3.4	3.4	3.4	3.4	3.5
174°	3.4	3.0	2.8	2.9	3.2	3.4	3.4	3.4	3.4	3.4	3.5
174.5°	3.3	2.9	2.8	3.0	3.4	3.5	3.4	3.4	3.4	3.4	3.5
175°	3.3	2.9	2.8	3.0	3.4	3.5	3.4	3.4	3.4	3.4	3.5
175.5°	3.2	2.9	2.8	3.0	3.3	3.5	3.4	3.4	3.4	3.4	3.4
176°	3.2	3.0	2.9	3.1	3.3	3.4	3.4	3.4	3.4	3.4	3.4
176.5°	3.2	3.0	2.9	3.1	3.3	3.4	3.4	3.4	3.4	3.4	3.4
177°	3.3	3.1	3.0	3.1	3.4	3.5	3.4	3.4	3.4	3.4	3.4
177.5°	3.1	3.0	2.9	3.0	3.3	3.4	3.4	3.3	3.3	3.3	3.3
178°	2.9	2.8	2.8	2.9	3.1	3.3	3.3	3.3	3.3	3.3	3.2
178.5°	2.9	2.8	2.8	2.8	3.0	3.1	3.1	3.2	3.2	3.3	3.3



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2	1725.2
0.5°	1724.6	1724.6	1724.6	1724.6	1724.7	1724.7	1724.7	1724.8	1724.8	1724.8	1724.9
1°	1724.1	1724.1	1723.8	1723.4	1723.1	1722.9	1723.1	1723.4	1723.8	1724.2	1724.4
1.5°	1723.1	1723.2	1723.2	1723.0	1722.9	1722.8	1723.0	1723.2	1723.5	1723.6	1723.8
2°	1721.7	1721.7	1721.5	1721.2	1720.9	1720.8	1721.1	1721.5	1722.0	1722.4	1722.5
2.5°	1720.6	1720.5	1719.8	1719.1	1719.1	1719.4	1719.4	1719.5	1720.1	1720.9	1721.3
3°	1719.0	1718.8	1717.9	1717.6	1717.8	1718.1	1718.0	1717.9	1718.5	1719.2	1719.4
3.5°	1716.3	1716.2	1715.9	1715.4	1715.5	1716.1	1716.4	1716.7	1717.1	1717.7	1718.3
4°	1715.0	1714.8	1714.1	1713.5	1713.7	1714.3	1714.6	1714.7	1714.8	1715.5	1716.1
4.5°	1712.3	1711.9	1711.8	1711.8	1711.7	1711.4	1711.6	1712.1	1712.4	1713.5	1714.8
5°	1710.2	1709.9	1709.0	1708.6	1708.0	1707.8	1708.5	1709.5	1710.5	1711.8	1713.4
5.5°	1708.0	1707.2	1706.6	1705.9	1705.6	1706.0	1706.0	1706.7	1708.1	1709.8	1711.4
6°	1704.9	1704.2	1703.7	1703.2	1703.1	1702.7	1702.7	1703.4	1704.9	1706.2	1708.3
6.5°	1701.9	1700.7	1700.2	1699.7	1699.4	1699.7	1699.7	1700.7	1702.1	1703.7	1706.0
7°	1699.5	1698.3	1696.8	1696.0	1696.2	1696.6	1696.9	1697.8	1699.4	1700.6	1703.7
7.5°	1696.6	1695.4	1693.3	1692.8	1692.1	1691.5	1692.4	1693.8	1695.5	1697.6	1700.4
8°	1692.6	1691.7	1689.9	1688.8	1688.1	1688.3	1688.8	1690.2	1691.9	1693.8	1697.0
8.5°	1688.9	1687.0	1686.0	1684.9	1684.0	1684.3	1684.7	1686.2	1688.4	1690.4	1693.6
9°	1684.6	1683.0	1681.9	1680.4	1680.2	1680.1	1680.2	1681.6	1684.3	1687.3	1691.0
9.5°	1681.1	1679.3	1677.0	1676.0	1675.6	1675.3	1675.6	1677.4	1680.0	1683.1	1687.2
10°	1678.2	1675.0	1672.9	1671.4	1670.9	1670.9	1670.8	1672.7	1675.8	1679.2	1683.0
10.5°	1673.3	1670.7	1668.0	1666.3	1665.5	1664.8	1666.0	1668.3	1671.2	1674.9	1679.6
11°	1668.5	1665.8	1663.1	1661.5	1660.6	1660.4	1660.8	1662.8	1666.4	1670.0	1675.1
11.5°	1663.6	1660.6	1657.9	1656.0	1655.3	1654.5	1655.6	1657.7	1661.4	1666.3	1670.0
12°	1659.5	1655.5	1652.4	1650.7	1649.5	1649.1	1650.5	1653.0	1656.5	1661.7	1666.6
12.5°	1654.8	1650.5	1647.3	1645.4	1644.2	1642.9	1644.7	1647.2	1651.0	1656.1	1662.3
13°	1649.6	1644.8	1641.5	1639.1	1637.2	1636.7	1638.8	1641.3	1645.0	1650.8	1656.7
13.5°	1643.6	1638.9	1635.4	1632.7	1630.8	1630.7	1632.5	1634.8	1639.3	1645.0	1651.9
14°	1638.5	1633.3	1629.5	1626.6	1624.5	1625.1	1625.7	1628.8	1633.8	1640.3	1645.8
14.5°	1632.7	1626.9	1623.3	1620.5	1617.4	1617.9	1619.8	1622.4	1627.5	1634.3	1640.8
15°	1626.7	1620.9	1617.1	1613.5	1611.4	1611.1	1612.7	1616.2	1620.8	1627.8	1635.0
15.5°	1621.1	1615.0	1610.0	1606.2	1604.7	1603.8	1605.5	1609.1	1614.7	1621.6	1629.2
16°	1614.9	1608.6	1603.1	1598.9	1596.4	1596.3	1598.0	1601.9	1607.6	1614.9	1622.8
16.5°	1608.3	1601.8	1596.2	1591.7	1589.5	1589.7	1591.1	1594.7	1601.0	1608.3	1616.4
17°	1601.8	1594.9	1589.3	1584.8	1582.3	1581.9	1583.6	1587.4	1593.7	1602.2	1610.1
17.5°	1595.0	1587.9	1582.1	1577.3	1574.5	1573.8	1576.1	1579.6	1586.1	1595.0	1604.2
18°	1588.0	1580.4	1574.4	1569.2	1566.2	1565.2	1567.1	1572.5	1579.1	1587.8	1597.4
18.5°	1580.8	1573.2	1566.2	1560.6	1558.1	1557.7	1559.5	1564.6	1572.0	1580.6	1590.4
19°	1574.1	1565.1	1558.0	1552.5	1550.5	1548.7	1550.5	1555.9	1563.3	1572.9	1582.5
19.5°	1565.9	1557.2	1549.9	1544.1	1541.7	1540.2	1542.5	1547.4	1555.1	1565.6	1575.7
20°	1558.7	1549.8	1541.9	1535.6	1532.2	1531.6	1534.4	1539.2	1547.4	1557.8	1569.3
20.5°	1551.1	1541.5	1533.6	1526.8	1522.9	1522.5	1525.3	1531.1	1539.2	1550.0	1561.9
21°	1542.9	1533.4	1524.9	1517.8	1513.6	1513.4	1516.1	1521.9	1530.8	1542.2	1553.7



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1518.3	1507.1	1497.7	1490.5	1485.2	1484.5	1486.9	1493.2	1503.4	1516.8	1529.4
23°	1510.1	1498.2	1488.7	1480.7	1475.7	1475.4	1477.3	1484.1	1494.6	1508.0	1521.7
23.5°	1501.1	1488.6	1478.8	1470.8	1466.4	1464.6	1467.2	1474.1	1485.2	1498.6	1513.0
24°	1492.4	1479.6	1469.0	1460.1	1455.8	1453.9	1456.4	1464.5	1475.3	1489.2	1503.8
24.5°	1483.3	1470.5	1458.9	1449.7	1445.4	1443.1	1446.8	1455.3	1466.3	1480.1	1495.2
25°	1475.3	1460.9	1449.8	1440.1	1435.5	1432.7	1436.4	1445.1	1456.5	1470.8	1485.9
25.5°	1464.9	1450.9	1439.6	1429.6	1424.0	1422.2	1425.6	1433.9	1445.9	1461.0	1477.3
26°	1455.3	1440.9	1428.7	1419.2	1413.7	1411.2	1415.0	1423.4	1436.4	1451.7	1468.3
26.5°	1445.8	1431.1	1418.0	1408.4	1403.0	1400.3	1403.4	1412.8	1425.8	1441.9	1458.4
27°	1436.7	1421.6	1407.9	1397.0	1391.3	1389.7	1392.6	1401.7	1415.4	1431.5	1448.8
27.5°	1426.6	1410.4	1397.0	1385.7	1379.3	1378.7	1381.7	1390.5	1404.4	1421.9	1438.7
28°	1416.0	1400.1	1386.4	1374.6	1368.6	1366.8	1370.7	1380.5	1394.3	1411.3	1429.5
28.5°	1406.4	1390.2	1375.7	1364.1	1357.3	1355.1	1358.7	1368.8	1383.4	1400.6	1418.6
29°	1396.2	1379.0	1364.4	1352.1	1345.3	1344.2	1347.9	1356.8	1371.5	1389.6	1408.6
29.5°	1385.7	1367.9	1353.1	1340.6	1333.8	1331.7	1334.8	1345.4	1360.7	1379.5	1399.0
30°	1375.1	1356.8	1341.7	1329.0	1321.6	1319.7	1323.9	1334.2	1349.7	1369.0	1388.5
30.5°	1364.2	1346.1	1330.3	1317.2	1310.3	1307.6	1311.6	1322.2	1337.9	1357.5	1377.6
31°	1353.5	1334.8	1318.7	1305.5	1298.2	1295.5	1300.0	1310.7	1326.5	1346.2	1367.3
31.5°	1342.4	1323.5	1307.1	1293.4	1285.6	1283.0	1287.7	1299.0	1315.3	1335.5	1356.2
32°	1331.1	1312.4	1295.5	1280.9	1273.1	1270.5	1275.2	1286.5	1303.9	1324.2	1345.5
32.5°	1320.7	1301.0	1283.4	1268.3	1260.6	1258.0	1262.8	1274.1	1292.0	1313.1	1334.4
33°	1309.1	1288.9	1271.4	1255.7	1248.0	1245.4	1250.3	1261.6	1279.7	1301.7	1323.6
33.5°	1297.2	1276.8	1259.4	1243.1	1235.4	1232.9	1237.9	1249.2	1267.5	1290.0	1312.4
34°	1287.4	1265.0	1247.4	1231.2	1222.1	1220.1	1224.4	1236.6	1255.2	1278.2	1301.1
34.5°	1275.2	1253.1	1235.2	1219.3	1209.7	1206.9	1211.9	1224.6	1243.1	1266.2	1290.2
35°	1263.2	1240.9	1221.8	1206.4	1197.0	1193.8	1199.3	1212.2	1230.8	1254.3	1278.5
35.5°	1251.2	1228.8	1209.5	1193.8	1184.2	1181.1	1186.3	1199.7	1218.2	1242.4	1266.9
36°	1239.2	1216.8	1197.2	1180.3	1170.7	1167.9	1173.0	1185.7	1205.6	1230.5	1255.2
36.5°	1227.0	1204.2	1183.7	1167.3	1157.2	1154.9	1159.9	1173.3	1192.8	1217.5	1243.6
37°	1214.7	1191.1	1171.2	1154.6	1143.9	1141.0	1146.5	1160.6	1180.1	1204.9	1231.4
37.5°	1202.5	1178.5	1158.3	1141.6	1131.6	1127.9	1133.5	1147.1	1166.9	1192.2	1219.2
38°	1189.7	1165.7	1145.1	1127.7	1117.5	1115.3	1119.9	1134.3	1154.6	1179.9	1206.2
38.5°	1177.3	1153.2	1132.1	1114.9	1104.5	1101.0	1107.0	1121.0	1141.6	1167.4	1194.0
39°	1164.9	1140.6	1118.9	1101.5	1091.2	1088.1	1094.0	1108.1	1128.7	1154.8	1181.8
39.5°	1152.1	1128.1	1106.2	1088.2	1078.2	1074.4	1079.9	1094.4	1115.4	1141.8	1169.5
40°	1139.9	1114.8	1093.1	1075.2	1064.3	1061.1	1066.9	1081.2	1102.2	1129.0	1156.9
40.5°	1127.2	1101.8	1079.9	1061.6	1050.6	1047.5	1052.7	1067.4	1089.7	1116.1	1144.6
41°	1114.4	1088.7	1066.5	1047.8	1037.2	1033.9	1040.0	1054.6	1076.1	1103.3	1131.6
41.5°	1101.4	1075.8	1053.4	1034.9	1023.8	1020.7	1026.0	1041.3	1063.1	1090.4	1118.9
42°	1088.3	1062.5	1039.7	1021.5	1009.8	1006.9	1013.0	1027.5	1049.8	1077.0	1106.8
42.5°	1075.9	1049.8	1026.5	1008.0	996.5	993.6	999.2	1014.3	1036.9	1063.7	1093.1
43°	1063.1	1036.1	1013.5	994.5	982.6	980.3	986.2	1001.1	1023.6	1051.1	1080.6
43.5°	1049.7	1023.2	999.9	980.7	969.7	966.4	972.3	987.1	1009.5	1038.1	1067.5



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	1010.2	982.7	959.3	940.6	929.5	925.6	931.3	947.0	969.2	998.3	1028.5
45.5°	997.0	969.8	946.6	927.0	915.8	912.4	918.5	933.7	956.1	984.8	1015.1
46°	983.7	956.7	932.8	913.8	902.1	899.5	905.2	920.6	943.2	971.5	1002.1
46.5°	970.3	943.2	919.5	900.4	888.9	885.9	891.6	907.4	930.0	958.2	988.6
47°	957.3	929.5	906.0	886.9	875.1	872.3	878.4	893.5	916.4	944.8	975.8
47.5°	943.6	916.3	892.9	873.6	862.0	859.3	865.1	880.3	902.9	931.5	962.3
48°	929.9	903.2	878.9	860.2	849.0	845.6	851.3	866.7	889.6	918.0	948.7
48.5°	916.5	889.7	866.1	847.2	835.9	832.5	838.6	853.5	876.2	904.8	935.0
49°	903.4	876.2	852.7	834.1	822.3	819.2	825.6	840.7	863.5	891.9	921.7
49.5°	890.7	862.8	839.8	821.0	809.0	806.6	812.3	827.5	849.7	878.4	908.9
50°	876.1	849.6	826.1	807.5	796.0	793.2	799.6	814.1	837.0	864.8	895.7
50.5°	863.4	836.2	812.3	794.2	783.4	780.4	785.7	800.7	823.5	851.4	882.1
51°	849.7	822.6	799.8	781.4	770.1	768.0	773.2	787.9	809.9	838.1	869.0
51.5°	836.1	809.4	786.9	768.7	757.2	754.8	760.6	775.5	797.2	825.1	855.3
52°	822.4	796.7	773.8	755.8	744.4	741.9	747.7	762.7	784.4	812.4	842.1
52.5°	809.2	783.4	760.8	742.8	732.0	729.8	734.8	749.8	771.6	799.1	828.7
53°	795.9	770.2	747.4	729.8	719.1	717.1	722.3	736.9	758.4	785.7	815.5
53.5°	782.7	757.0	734.3	717.1	706.4	704.2	710.2	723.8	745.7	772.7	802.8
54°	769.4	744.0	721.4	704.5	693.9	691.0	696.9	710.9	732.5	759.5	789.3
54.5°	756.0	730.5	708.6	691.7	681.3	679.2	684.9	698.4	719.8	746.3	775.5
55°	742.6	717.1	695.9	679.3	668.7	666.6	672.1	686.0	706.9	733.6	762.2
55.5°	729.7	704.4	683.1	666.6	657.0	654.7	660.2	673.5	694.1	720.5	748.7
56°	716.1	691.4	670.2	654.3	644.5	642.5	647.9	660.8	681.2	707.6	735.8
56.5°	702.7	678.1	657.9	642.1	631.9	629.9	635.7	648.8	669.0	694.6	722.4
57°	689.6	665.4	645.0	629.6	620.0	618.3	623.6	636.8	656.2	681.4	709.3
57.5°	675.9	652.8	632.9	617.2	607.8	606.0	611.0	624.0	643.8	668.5	695.9
58°	663.0	639.8	620.2	605.0	596.3	594.2	599.5	611.9	631.1	655.5	682.9
58.5°	649.6	627.3	607.9	592.9	584.2	582.5	587.6	599.8	619.0	643.0	670.1
59°	636.6	614.6	595.4	581.1	572.1	570.6	575.6	588.0	606.6	630.4	657.0
59.5°	623.6	601.6	583.5	568.9	560.1	558.7	564.4	576.0	594.6	617.6	643.9
60°	610.4	589.3	571.4	556.8	549.0	547.6	552.4	564.0	582.1	605.1	630.4
60.5°	597.6	576.7	559.0	545.0	537.2	535.7	540.6	552.1	570.1	592.5	617.2
61°	584.3	564.2	546.8	533.3	525.5	524.3	528.9	540.5	557.9	580.0	604.7
61.5°	571.4	551.7	535.0	522.2	514.8	513.0	517.8	529.0	546.1	567.5	591.4
62°	558.2	539.4	523.3	510.2	502.9	501.8	506.4	517.6	534.0	555.3	578.5
62.5°	545.8	527.1	511.2	498.7	491.4	490.7	495.1	505.9	522.2	543.0	565.8
63°	533.1	515.0	499.1	487.1	480.4	479.4	483.8	494.3	510.3	530.6	553.0
63.5°	520.5	502.6	487.3	475.8	469.5	468.4	472.8	483.0	498.6	518.6	540.6
64°	507.4	490.4	476.3	464.6	458.4	457.5	461.6	471.8	486.8	506.5	527.6
64.5°	494.9	478.4	464.4	453.3	447.1	446.6	450.8	460.5	475.2	494.1	515.1
65°	482.4	466.4	452.8	442.3	436.6	435.7	440.0	449.6	463.9	482.2	502.5
65.5°	469.9	454.6	441.8	431.4	425.7	425.0	429.2	438.5	452.7	470.2	490.0
66°	457.7	442.8	430.6	420.1	414.6	414.0	418.0	427.2	441.0	458.4	477.4



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	420.1	407.2	396.2	387.8	383.2	382.6	386.5	394.9	407.2	423.0	439.9
68°	407.9	395.7	385.2	377.0	372.9	372.6	376.2	384.3	395.9	411.4	428.1
68.5°	396.0	384.1	374.2	366.6	362.6	362.0	365.8	373.8	385.1	399.9	416.1
69°	383.9	372.6	363.4	356.2	352.3	352.1	355.5	363.2	374.2	388.3	404.1
69.5°	371.8	361.3	352.4	345.5	341.7	341.7	345.1	352.7	363.3	376.7	391.7
70°	360.1	350.1	341.9	335.1	331.9	332.0	335.2	342.2	352.4	365.2	379.6
70.5°	347.8	338.8	331.0	325.2	322.1	322.2	325.3	331.9	341.6	354.2	367.4
71°	336.2	327.7	320.7	315.1	312.2	312.3	315.3	321.8	331.1	342.8	356.0
71.5°	324.6	316.6	310.1	304.9	302.2	302.4	305.6	311.6	320.7	331.8	343.9
72°	313.0	305.8	299.7	295.0	292.6	293.1	295.9	301.7	310.2	320.9	332.5
72.5°	301.3	294.9	289.5	285.1	283.0	283.3	286.4	291.9	299.9	309.9	320.6
73°	290.1	284.3	279.2	275.3	273.4	273.9	276.6	282.0	289.3	299.0	309.6
73.5°	278.7	273.6	268.9	265.6	264.1	264.4	267.3	272.1	279.4	288.2	297.9
74°	267.4	263.0	259.2	256.3	254.7	255.6	257.9	262.7	269.3	277.7	286.5
74.5°	256.3	252.6	249.2	247.0	245.6	246.4	248.8	253.3	259.5	267.0	275.1
75°	245.5	242.5	239.7	237.4	236.5	237.3	239.7	243.8	249.6	256.6	264.4
75.5°	234.8	232.3	229.8	228.3	227.6	228.4	230.6	234.4	239.7	246.2	253.3
76°	223.9	222.3	220.7	219.2	218.6	219.6	221.6	225.4	230.4	236.0	242.5
76.5°	213.4	212.3	211.2	210.2	209.9	210.8	212.9	216.4	220.7	225.9	231.7
77°	203.1	202.5	202.2	201.5	201.3	202.4	204.3	207.4	211.4	215.9	221.1
77.5°	192.7	193.0	192.9	193.0	193.1	194.1	196.0	198.7	202.3	206.2	210.2
78°	182.7	183.8	184.1	184.5	185.1	186.0	187.6	190.2	193.4	196.7	200.1
78.5°	173.1	174.9	175.6	176.1	176.9	178.0	179.6	181.8	184.3	187.2	189.9
79°	163.4	165.6	167.0	168.1	168.9	170.1	171.6	173.6	175.7	177.9	180.0
79.5°	154.2	157.0	158.9	160.2	161.3	162.5	164.1	165.6	167.2	168.9	169.9
80°	145.2	148.9	151.3	152.9	154.2	155.1	156.4	157.6	159.2	159.9	160.5
80.5°	136.1	140.8	143.7	145.7	147.2	148.2	149.3	150.2	151.5	151.5	151.6
81°	127.1	132.6	136.1	138.5	140.2	141.2	142.2	143.1	143.9	143.4	142.6
81.5°	118.6	124.4	128.4	131.3	133.2	134.2	135.2	136.0	136.2	135.3	133.7
82°	110.8	116.6	120.9	124.1	126.1	127.3	128.2	128.8	128.5	127.1	124.7
82.5°	102.8	109.3	113.9	117.3	119.5	120.9	121.7	121.8	120.9	119.2	116.0
83°	95.0	102.0	107.1	110.7	113.1	114.5	115.2	115.1	113.9	111.6	108.0
83.5°	87.7	95.0	100.5	104.3	106.7	108.1	108.8	108.5	107.1	104.2	100.0
84°	80.6	88.3	94.1	98.1	100.7	102.2	102.7	102.2	100.4	97.1	92.5
84.5°	73.9	82.1	88.0	92.1	94.8	96.3	96.8	96.1	94.0	90.3	85.0
85°	67.5	75.9	82.0	86.4	89.2	90.7	91.0	90.1	87.7	83.8	78.1
85.5°	61.5	70.0	76.3	80.9	83.7	85.1	85.3	84.4	81.8	77.5	71.5
86°	55.8	64.3	70.9	75.6	78.5	79.9	80.2	79.0	76.0	71.5	65.1
86.5°	50.4	59.1	65.8	70.5	73.4	74.9	75.0	73.7	70.7	65.7	59.0
87°	45.4	54.2	60.9	65.7	68.8	70.2	70.2	68.7	65.5	60.4	53.4
87.5°	40.8	49.5	56.3	61.2	64.2	65.6	65.5	64.0	60.6	55.3	48.1
88°	36.6	45.3	52.0	56.9	59.9	61.2	61.2	59.5	56.0	50.7	43.2
88.5°	32.7	41.3	47.9	52.8	55.7	57.1	57.0	55.2	51.7	46.2	38.8



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	23.3	31.1	37.4	42.0	45.0	46.2	46.0	44.0	40.2	34.7	27.4
90.5°	21.0	28.3	34.4	39.0	41.9	43.0	42.7	40.7	37.0	31.5	24.4
91°	18.9	25.8	31.7	36.2	38.9	40.1	39.7	37.7	34.0	28.6	21.8
91.5°	17.1	23.7	29.3	33.6	36.3	37.3	36.9	35.0	31.3	26.0	19.5
92°	16.0	21.8	27.1	31.2	33.8	34.9	34.4	32.4	28.9	23.8	17.5
92.5°	15.0	20.1	25.2	29.1	31.6	32.5	32.1	30.1	26.6	21.8	16.3
93°	14.0	18.7	23.5	27.2	29.6	30.5	30.0	28.1	24.7	20.1	15.2
93.5°	12.9	17.5	22.1	25.5	27.8	28.6	28.2	26.3	23.0	18.6	14.0
94°	11.9	16.6	20.8	24.1	26.2	27.0	26.6	24.7	21.6	17.4	12.9
94.5°	11.3	15.8	19.7	22.9	24.9	25.6	25.1	23.3	20.3	16.3	11.7
95°	10.9	15.1	18.8	21.8	23.6	24.3	23.8	22.1	19.2	15.4	11.1
95.5°	10.5	14.5	18.0	20.8	22.5	23.1	22.6	21.0	18.3	14.7	10.6
96°	10.1	14.0	17.3	19.9	21.5	22.1	21.6	20.1	17.4	14.1	10.3
96.5°	9.8	13.6	16.7	19.1	20.6	21.2	20.8	19.3	16.7	13.6	9.9
97°	9.6	13.2	16.1	18.4	19.9	20.4	20.0	18.6	16.2	13.1	9.5
97.5°	9.4	12.8	15.6	17.8	19.2	19.7	19.3	18.0	15.7	12.5	9.0
98°	9.3	12.4	15.1	17.3	18.6	19.1	18.7	17.5	15.3	12.0	8.7
98.5°	9.1	12.1	14.7	16.7	18.0	18.5	18.2	16.9	14.7	11.6	8.3
99°	9.0	11.8	14.4	16.3	17.5	18.0	17.6	16.4	14.2	11.2	8.2
99.5°	8.9	11.7	14.0	15.9	17.0	17.5	17.1	15.9	13.8	10.8	8.1
100°	8.8	11.5	13.7	15.5	16.6	17.0	16.6	15.4	13.4	10.5	8.0
100.5°	8.7	11.3	13.5	15.2	16.2	16.6	16.2	14.9	13.0	10.4	7.9
101°	8.5	11.2	13.3	14.9	15.9	16.2	15.7	14.5	12.6	10.2	7.8
101.5°	8.4	11.0	13.1	14.6	15.5	15.9	15.4	14.1	12.2	10.1	7.7
102°	8.2	10.9	12.8	14.3	15.2	15.5	15.0	13.9	12.1	9.9	7.6
102.5°	8.1	10.7	12.6	14.1	14.9	15.2	14.7	13.7	11.9	9.8	7.4
103°	7.9	10.6	12.4	13.9	14.7	15.0	14.5	13.5	11.7	9.7	7.2
103.5°	7.7	10.4	12.3	13.7	14.5	14.8	14.4	13.3	11.6	9.6	7.0
104°	7.6	10.2	12.1	13.5	14.2	14.6	14.2	13.2	11.5	9.5	6.8
104.5°	7.4	10.0	11.9	13.3	14.0	14.4	14.0	13.0	11.4	9.3	6.6
105°	7.2	9.8	11.7	13.0	13.9	14.2	13.8	12.8	11.2	9.2	6.4
105.5°	7.1	9.6	11.5	12.8	13.7	14.0	13.7	12.6	11.1	8.9	6.3
106°	6.9	9.4	11.3	12.6	13.4	13.8	13.5	12.5	10.9	8.7	6.1
106.5°	6.8	9.2	11.1	12.4	13.2	13.6	13.3	12.3	10.7	8.5	5.9
107°	6.6	9.0	10.8	12.2	13.0	13.4	13.1	12.1	10.5	8.2	5.7
107.5°	6.5	8.8	10.6	12.0	12.8	13.1	12.8	11.9	10.2	8.0	5.6
108°	6.3	8.6	10.3	11.7	12.5	12.9	12.6	11.6	9.9	7.8	5.5
108.5°	6.1	8.4	10.2	11.5	12.3	12.7	12.4	11.3	9.7	7.6	5.3
109°	5.9	8.3	10.0	11.2	12.0	12.4	12.1	11.1	9.4	7.4	5.2
109.5°	5.8	8.1	9.7	11.0	11.8	12.1	11.8	10.8	9.2	7.2	5.0
110°	5.6	7.9	9.5	10.7	11.5	11.8	11.6	10.5	8.9	7.0	4.9
110.5°	5.4	7.7	9.3	10.5	11.2	11.6	11.3	10.3	8.7	6.8	4.8
111°	5.3	7.4	9.1	10.2	11.0	11.3	11.0	10.0	8.5	6.7	4.6



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	4.7	6.8	8.5	9.6	10.2	10.5	10.2	9.3	7.8	6.2	4.2
113°	4.5	6.6	8.3	9.3	10.0	10.2	10.0	9.1	7.6	6.1	4.0
113.5°	4.4	6.4	8.1	9.1	9.8	10.0	9.8	8.8	7.4	5.9	3.9
114°	4.2	6.2	7.9	8.9	9.5	9.8	9.5	8.6	7.2	5.8	3.8
114.5°	4.1	6.0	7.7	8.7	9.3	9.6	9.3	8.4	7.0	5.6	3.7
115°	4.0	5.8	7.5	8.6	9.1	9.3	9.1	8.2	6.9	5.4	3.5
115.5°	3.9	5.6	7.3	8.4	8.9	9.1	8.8	8.0	6.7	5.2	3.5
116°	3.8	5.4	7.1	8.2	8.7	8.8	8.6	7.7	6.5	5.0	3.4
116.5°	3.7	5.1	6.8	8.0	8.5	8.6	8.4	7.5	6.3	4.9	3.3
117°	3.7	5.0	6.6	7.7	8.4	8.4	8.2	7.3	6.1	4.7	3.3
117.5°	3.6	4.8	6.3	7.5	8.1	8.2	7.9	7.1	5.9	4.5	3.2
118°	3.6	4.6	6.1	7.3	7.9	8.0	7.7	6.9	5.6	4.4	3.1
118.5°	3.5	4.5	5.8	7.1	7.7	7.8	7.5	6.7	5.4	4.3	3.0
119°	3.4	4.4	5.6	6.8	7.5	7.6	7.3	6.5	5.2	4.1	2.9
119.5°	3.3	4.3	5.4	6.5	7.3	7.4	7.1	6.2	5.0	4.0	2.7
120°	3.1	4.1	5.2	6.3	7.0	7.2	6.9	6.0	4.8	3.9	2.7
120.5°	3.0	4.0	5.0	6.0	6.7	6.9	6.6	5.7	4.7	3.8	2.6
121°	2.8	3.9	4.9	5.8	6.5	6.6	6.3	5.5	4.5	3.7	2.5
121.5°	2.8	3.8	4.7	5.6	6.2	6.3	6.1	5.3	4.4	3.6	2.5
122°	2.8	3.8	4.6	5.4	6.0	6.1	5.9	5.1	4.2	3.5	2.5
122.5°	2.9	3.8	4.5	5.2	5.7	5.9	5.6	5.0	4.1	3.4	2.5
123°	2.9	3.7	4.4	5.0	5.5	5.7	5.4	4.8	4.0	3.2	2.6
123.5°	3.0	3.5	4.2	4.9	5.3	5.5	5.3	4.7	3.9	3.0	2.6
124°	3.0	3.4	4.1	4.8	5.2	5.3	5.1	4.6	3.8	2.8	2.7
124.5°	3.1	3.2	4.0	4.6	5.0	5.1	4.9	4.4	3.7	2.7	2.7
125°	3.1	3.0	3.9	4.5	4.9	4.9	4.8	4.3	3.6	2.6	2.8
125.5°	3.2	2.8	3.8	4.4	4.7	4.8	4.7	4.2	3.5	2.5	2.8
126°	3.3	2.7	3.7	4.3	4.6	4.7	4.5	4.1	3.4	2.4	2.9
126.5°	3.3	2.8	3.5	4.2	4.5	4.5	4.4	4.0	3.2	2.3	2.9
127°	3.4	2.8	3.4	4.0	4.4	4.4	4.3	3.9	3.0	2.4	2.9
127.5°	3.4	2.9	3.3	4.0	4.3	4.3	4.2	3.8	2.8	2.4	3.0
128°	3.5	2.9	3.1	3.8	4.2	4.2	4.1	3.7	2.7	2.5	3.0
128.5°	3.5	3.0	2.9	3.7	4.1	4.1	4.0	3.5	2.6	2.5	3.0
129°	3.6	3.0	2.8	3.5	4.0	4.0	3.9	3.3	2.5	2.6	3.0
129.5°	3.7	3.1	2.7	3.3	3.8	3.9	3.7	3.1	2.5	2.6	3.0
130°	3.7	3.1	2.8	3.2	3.6	3.7	3.5	3.0	2.5	2.7	3.0
130.5°	3.7	3.1	2.8	3.0	3.4	3.5	3.3	2.9	2.6	2.7	3.0
131°	3.7	3.2	2.9	2.8	3.3	3.3	3.2	2.7	2.6	2.7	3.0
131.5°	3.8	3.3	2.9	2.7	3.1	3.2	3.0	2.6	2.7	2.8	3.1
132°	3.8	3.3	3.0	2.7	2.9	3.0	2.9	2.6	2.7	2.8	3.1
132.5°	3.9	3.4	3.0	2.8	2.7	2.8	2.7	2.7	2.7	2.9	3.2
133°	4.0	3.4	3.0	2.8	2.7	2.7	2.7	2.7	2.8	3.0	3.3
133.5°	4.0	3.5	3.1	2.9	2.7	2.7	2.7	2.7	2.8	3.1	3.4



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	4.3	3.7	3.2	3.0	2.8	2.8	2.8	2.9	3.0	3.2	3.7
135.5°	4.3	3.7	3.3	3.0	2.9	2.8	2.9	2.9	3.0	3.3	3.7
136°	4.4	3.8	3.3	3.1	2.9	2.9	2.9	3.0	3.1	3.4	3.7
136.5°	4.4	3.8	3.4	3.1	3.0	2.9	3.0	3.0	3.1	3.4	3.8
137°	4.5	3.9	3.4	3.2	3.0	3.0	3.0	3.0	3.2	3.5	3.8
137.5°	4.5	4.0	3.5	3.2	3.1	3.0	3.1	3.1	3.3	3.5	3.7
138°	4.4	4.0	3.5	3.3	3.1	3.0	3.1	3.1	3.3	3.6	3.6
138.5°	4.3	4.1	3.6	3.3	3.1	3.1	3.2	3.2	3.4	3.8	3.5
139°	4.2	4.2	3.7	3.4	3.2	3.1	3.2	3.2	3.5	3.8	3.5
139.5°	4.2	4.2	3.7	3.4	3.2	3.2	3.2	3.3	3.5	3.9	3.5
140°	4.2	4.2	3.8	3.4	3.3	3.2	3.3	3.4	3.6	3.9	3.5
140.5°	4.2	4.3	3.9	3.5	3.3	3.3	3.3	3.4	3.7	4.0	3.5
141°	4.2	4.4	4.0	3.6	3.4	3.3	3.4	3.5	3.8	4.0	3.5
141.5°	4.2	4.4	4.1	3.6	3.4	3.4	3.4	3.6	4.0	4.0	3.5
142°	4.2	4.4	4.2	3.7	3.5	3.4	3.5	3.6	4.0	3.9	3.5
142.5°	4.2	4.3	4.2	3.8	3.5	3.5	3.6	3.7	4.1	3.8	3.5
143°	4.2	4.2	4.2	3.9	3.6	3.6	3.6	3.9	4.1	3.8	3.5
143.5°	4.3	4.1	4.3	4.1	3.7	3.6	3.7	4.0	4.1	3.7	3.5
144°	4.3	4.1	4.4	4.2	3.9	3.8	3.9	4.1	4.1	3.7	3.5
144.5°	4.2	4.1	4.4	4.2	4.0	3.9	4.1	4.2	4.1	3.7	3.5
145°	4.2	4.1	4.3	4.2	4.1	4.1	4.2	4.2	4.0	3.7	3.5
145.5°	4.2	4.1	4.2	4.3	4.2	4.2	4.2	4.2	3.9	3.7	3.5
146°	4.2	4.1	4.1	4.3	4.2	4.2	4.2	4.3	3.9	3.7	3.5
146.5°	4.2	4.1	4.1	4.3	4.3	4.3	4.3	4.3	3.9	3.7	3.4
147°	4.2	4.1	4.1	4.2	4.3	4.3	4.3	4.2	3.8	3.7	3.4
147.5°	4.2	4.1	4.1	4.1	4.4	4.4	4.3	4.0	3.8	3.7	3.4
148°	4.2	4.1	4.1	4.1	4.2	4.4	4.3	4.0	3.8	3.6	3.4
148.5°	4.2	4.1	4.1	4.1	4.1	4.2	4.2	4.0	3.8	3.6	3.4
149°	4.3	4.1	4.1	4.1	4.1	4.1	4.1	4.0	3.8	3.6	3.4
149.5°	4.3	4.1	4.1	4.1	4.0	4.1	4.1	4.0	3.8	3.6	3.4
150°	4.3	4.1	4.1	4.1	4.0	4.1	4.1	4.0	3.8	3.6	3.4
150.5°	4.2	4.1	4.1	4.0	4.0	4.1	4.0	4.0	3.8	3.5	3.4
151°	4.1	4.1	4.0	4.1	4.0	4.0	4.0	4.0	3.8	3.5	3.4
151.5°	4.2	4.0	4.0	4.1	4.0	4.0	4.0	4.0	3.8	3.5	3.4
152°	4.4	4.0	4.0	4.1	4.0	4.0	4.0	3.9	3.8	3.5	3.4
152.5°	4.4	4.0	4.0	4.0	4.0	4.1	4.1	3.9	3.7	3.5	3.5
153°	4.4	4.0	4.0	4.0	4.0	4.1	4.1	3.9	3.7	3.5	3.5
153.5°	4.4	4.0	4.0	4.0	4.0	4.1	4.0	3.9	3.7	3.5	3.5
154°	4.5	4.1	3.9	4.0	4.0	4.0	4.0	3.9	3.7	3.5	3.5
154.5°	4.5	4.1	4.0	4.0	4.0	4.0	4.0	3.9	3.7	3.6	3.5
155°	4.5	4.2	4.0	3.9	4.0	4.0	3.9	3.9	3.7	3.6	3.6
155.5°	4.4	4.3	4.0	3.9	3.9	4.0	3.9	3.9	3.8	3.6	3.6
156°	4.3	4.3	4.0	3.9	3.9	4.0	3.9	3.9	3.8	3.7	3.6



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	4.5	4.2	4.2	4.0	3.9	4.0	4.0	3.9	3.9	3.8	3.7
158°	4.4	4.2	4.2	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.8
158.5°	4.1	4.1	4.2	4.1	4.0	4.0	4.0	4.0	4.0	3.9	3.8
159°	4.0	4.1	4.3	4.1	4.0	4.0	4.0	4.1	4.0	4.0	3.8
159.5°	4.0	4.1	4.3	4.2	4.1	4.1	4.1	4.1	4.1	4.0	3.9
160°	3.9	4.1	4.4	4.2	4.1	4.1	4.1	4.1	4.2	4.1	3.9
160.5°	3.9	4.1	4.4	4.3	4.2	4.1	4.1	4.2	4.2	4.1	4.0
161°	3.9	4.1	4.3	4.4	4.2	4.2	4.2	4.2	4.3	4.2	4.0
161.5°	3.9	4.0	4.2	4.4	4.3	4.2	4.3	4.3	4.4	4.2	4.0
162°	3.8	3.9	4.1	4.4	4.3	4.3	4.3	4.4	4.4	4.3	4.1
162.5°	3.8	3.9	4.1	4.5	4.4	4.4	4.4	4.4	4.5	4.3	4.0
163°	3.8	3.9	4.1	4.5	4.5	4.4	4.5	4.5	4.5	4.3	4.0
163.5°	3.8	3.9	4.0	4.4	4.5	4.5	4.5	4.5	4.5	4.3	4.1
164°	3.7	3.9	3.9	4.2	4.6	4.5	4.6	4.6	4.6	4.4	4.1
164.5°	3.7	3.9	3.9	4.2	4.6	4.6	4.6	4.6	4.6	4.5	3.6
165°	3.7	3.8	3.9	4.2	4.6	4.6	4.7	4.7	4.6	4.2	3.4
165.5°	3.6	3.8	3.9	4.1	4.6	4.7	4.7	4.7	4.5	3.6	3.9
166°	3.6	3.8	3.9	3.9	4.5	4.7	4.7	4.7	4.5	3.7	4.1
166.5°	3.5	3.9	3.8	3.8	4.4	4.7	4.7	4.7	4.5	4.2	3.6
167°	3.5	4.0	3.9	3.8	4.3	4.7	4.7	4.8	4.0	4.0	3.1
167.5°	3.5	4.1	4.0	3.8	4.3	4.7	4.7	4.8	3.6	3.4	3.6
168°	3.6	4.1	4.1	3.8	4.2	4.7	4.7	4.7	4.0	3.2	4.0
168.5°	3.7	4.2	4.3	3.8	3.9	4.6	4.6	4.6	4.3	4.0	3.7
169°	3.7	4.1	4.3	3.9	3.7	4.6	4.6	4.6	3.4	4.1	3.7
169.5°	3.7	4.1	4.2	3.9	3.7	4.5	4.6	4.2	3.0	4.0	3.9
170°	3.8	4.0	4.2	4.1	3.7	4.3	4.6	3.7	4.1	4.0	3.8
170.5°	3.8	3.9	4.1	4.2	3.7	4.2	4.5	3.5	4.1	4.1	3.8
171°	3.7	3.9	4.0	4.1	3.7	4.1	4.4	3.5	3.9	4.0	3.8
171.5°	3.7	3.8	4.0	4.1	3.7	4.0	4.4	3.1	4.1	3.9	3.8
172°	3.7	3.8	3.9	4.0	3.8	3.6	4.2	3.3	4.1	3.9	3.7
172.5°	3.6	3.7	3.8	4.0	3.9	3.5	4.1	3.8	3.9	3.8	3.6
173°	3.6	3.7	3.8	3.9	3.9	3.4	3.9	3.8	3.9	3.7	3.5
173.5°	3.6	3.7	3.7	3.8	3.8	3.4	3.3	3.8	3.7	3.6	3.5
174°	3.5	3.6	3.7	3.8	3.8	3.3	2.9	3.7	3.6	3.5	3.4
174.5°	3.5	3.6	3.6	3.7	3.7	3.2	2.7	3.6	3.5	3.4	3.4
175°	3.5	3.5	3.6	3.6	3.7	3.1	3.1	3.5	3.4	3.4	3.3
175.5°	3.5	3.5	3.5	3.6	3.6	3.2	3.5	3.5	3.4	3.3	3.3
176°	3.4	3.5	3.5	3.5	3.5	3.1	3.4	3.3	3.3	3.3	3.3
176.5°	3.4	3.4	3.5	3.4	3.4	3.1	3.3	3.3	3.3	3.3	3.3
177°	3.4	3.4	3.3	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3
177.5°	3.3	3.3	3.2	3.2	3.3	1.3	3.3	3.3	3.3	3.3	3.3
178°	3.2	3.2	3.3	3.3	3.3	1.9	3.3	3.3	3.3	3.3	3.2
178.5°	3.3	3.3	3.3	3.3	3.0	2.6	3.1	3.3	3.3	3.3	3.3



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1725.2	1725.2	1725.2	1725.2
0.5°	1724.8	1724.8	1724.8	1724.8
1°	1724.5	1724.5	1724.5	1724.6
1.5°	1724.1	1724.3	1724.3	1724.6
2°	1722.7	1723.5	1724.1	1724.3
2.5°	1721.2	1721.6	1723.0	1723.7
3°	1720.0	1721.0	1722.3	1722.5
3.5°	1719.2	1720.7	1721.1	1721.3
4°	1718.0	1719.8	1719.8	1720.6
4.5°	1715.5	1717.5	1718.0	1718.7
5°	1714.2	1715.4	1716.9	1717.6
5.5°	1712.9	1713.6	1715.3	1716.5
6°	1710.1	1712.4	1713.3	1715.1
6.5°	1707.6	1709.1	1711.4	1713.3
7°	1706.2	1706.8	1710.0	1711.6
7.5°	1703.1	1705.1	1706.2	1709.2
8°	1699.7	1702.1	1704.9	1707.4
8.5°	1696.3	1698.9	1702.4	1704.2
9°	1693.5	1695.9	1699.2	1702.3
9.5°	1690.2	1692.8	1696.1	1699.2
10°	1686.1	1688.8	1693.1	1695.8
10.5°	1682.7	1686.2	1689.1	1692.7
11°	1678.7	1683.2	1686.8	1689.1
11.5°	1674.7	1679.1	1683.5	1685.5
12°	1670.7	1675.1	1680.1	1682.0
12.5°	1665.9	1670.8	1675.8	1678.7
13°	1661.1	1666.3	1671.7	1674.7
13.5°	1656.6	1661.8	1667.7	1670.2
14°	1651.6	1657.4	1662.9	1666.0
14.5°	1646.4	1653.3	1658.2	1661.9
15°	1641.1	1647.9	1653.4	1657.0
15.5°	1635.4	1642.3	1648.5	1652.7
16°	1629.6	1637.1	1644.1	1647.3
16.5°	1623.8	1631.4	1639.2	1641.4
17°	1618.2	1625.8	1633.3	1635.9
17.5°	1612.1	1620.2	1627.0	1631.4
18°	1606.1	1614.6	1621.4	1626.3
18.5°	1599.9	1608.8	1615.8	1620.0
19°	1593.1	1602.4	1609.8	1614.0
19.5°	1585.5	1596.0	1603.7	1607.9
20°	1578.6	1589.2	1597.0	1601.9
20.5°	1572.1	1582.1	1590.7	1595.8
21°	1565.4	1574.9	1583.6	1589.7



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1541.8	1553.5	1563.4	1568.5
23°	1533.9	1546.0	1555.7	1562.2
23.5°	1525.9	1538.0	1548.0	1554.4
24°	1517.7	1530.4	1540.6	1546.9
24.5°	1509.2	1522.4	1533.1	1539.8
25°	1500.9	1514.0	1525.3	1532.2
25.5°	1491.6	1506.1	1516.8	1524.0
26°	1483.7	1497.5	1508.8	1516.0
26.5°	1474.5	1488.7	1500.4	1507.6
27°	1465.4	1480.2	1491.7	1499.3
27.5°	1455.8	1471.9	1483.0	1491.0
28°	1446.6	1462.2	1474.5	1482.0
28.5°	1436.9	1453.0	1465.5	1473.3
29°	1426.6	1443.5	1456.5	1465.2
29.5°	1417.7	1433.8	1447.1	1456.2
30°	1407.7	1424.7	1437.7	1446.6
30.5°	1397.3	1414.6	1428.4	1437.5
31°	1386.6	1405.1	1418.8	1428.3
31.5°	1376.9	1394.4	1408.9	1418.6
32°	1366.0	1384.4	1398.7	1408.1
32.5°	1355.6	1374.1	1388.8	1398.2
33°	1345.2	1364.2	1378.5	1388.6
33.5°	1334.8	1354.3	1368.2	1378.3
34°	1323.3	1343.3	1357.8	1367.6
34.5°	1312.6	1332.1	1346.9	1356.8
35°	1301.6	1321.7	1336.7	1346.7
35.5°	1290.1	1310.5	1325.8	1336.3
36°	1278.7	1299.6	1314.8	1325.5
36.5°	1267.3	1288.2	1304.7	1314.3
37°	1255.9	1276.7	1293.8	1303.5
37.5°	1244.6	1265.4	1282.9	1292.8
38°	1232.8	1254.1	1270.7	1282.3
38.5°	1219.8	1242.7	1258.7	1270.3
39°	1207.5	1230.8	1246.7	1258.0
39.5°	1195.5	1218.6	1234.9	1245.9
40°	1183.5	1206.7	1223.7	1234.1
40.5°	1171.4	1194.9	1212.2	1223.0
41°	1158.8	1182.5	1199.8	1211.1
41.5°	1146.5	1169.8	1188.0	1198.8
42°	1133.5	1157.6	1175.7	1187.0
42.5°	1120.9	1145.3	1163.1	1175.1
43°	1108.2	1132.6	1150.6	1162.7
43.5°	1095.5	1119.8	1138.5	1149.7



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	1056.6	1082.2	1100.6	1111.9
45.5°	1043.9	1069.1	1087.4	1099.6
46°	1030.7	1056.3	1074.6	1086.3
46.5°	1017.7	1043.3	1061.4	1072.8
47°	1005.0	1030.3	1048.7	1059.7
47.5°	991.5	1017.3	1035.6	1047.1
48°	978.5	1003.4	1022.1	1034.4
48.5°	964.8	990.6	1009.2	1020.8
49°	951.6	977.5	996.1	1008.1
49.5°	938.6	963.8	982.6	994.6
50°	924.8	950.3	969.0	981.2
50.5°	911.5	937.2	955.5	967.5
51°	898.7	923.4	942.4	954.2
51.5°	885.3	910.4	929.2	940.6
52°	871.4	896.7	915.0	927.4
52.5°	858.0	883.1	901.8	913.4
53°	844.4	869.6	887.8	899.9
53.5°	831.4	855.9	874.4	886.2
54°	817.9	842.3	860.7	872.6
54.5°	804.6	828.8	847.0	858.6
55°	791.4	815.3	833.3	844.5
55.5°	777.0	802.0	819.4	831.1
56°	763.6	787.4	805.3	816.9
56.5°	750.5	774.4	792.1	803.3
57°	737.2	760.6	778.1	789.9
57.5°	723.3	747.0	764.5	775.5
58°	709.9	732.7	750.2	761.4
58.5°	696.4	719.2	736.4	747.8
59°	683.6	705.4	722.6	733.6
59.5°	669.7	691.7	708.9	719.8
60°	656.3	677.9	695.1	705.5
60.5°	642.6	664.4	681.0	691.6
61°	629.7	650.8	666.9	677.6
61.5°	616.0	637.0	652.9	663.8
62°	602.7	623.4	639.0	649.7
62.5°	589.4	610.0	625.1	635.7
63°	576.4	596.2	611.2	621.6
63.5°	562.9	582.5	597.4	607.8
64°	549.4	568.9	583.4	593.6
64.5°	536.3	555.3	569.9	579.2
65°	523.6	541.5	555.9	565.0
65.5°	510.1	528.2	541.8	550.6
66°	497.5	515.0	528.0	536.3



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	458.4	474.5	486.9	494.6
68°	445.3	460.7	472.9	480.9
68.5°	432.3	447.5	458.8	466.8
69°	420.0	433.9	445.5	452.8
69.5°	407.1	420.6	431.6	439.0
70°	394.3	407.6	418.2	425.1
70.5°	381.6	394.4	404.5	411.2
71°	369.1	381.1	391.1	397.6
71.5°	356.6	368.0	377.3	383.8
72°	344.1	355.0	363.8	370.4
72.5°	331.6	342.2	350.2	356.8
73°	319.4	329.0	337.0	342.9
73.5°	307.6	316.6	323.8	329.1
74°	295.4	303.5	310.7	315.9
74.5°	283.2	290.9	297.5	302.6
75°	271.3	278.0	284.2	289.3
75.5°	259.6	265.8	271.1	275.8
76°	248.2	253.3	258.8	262.7
76.5°	236.6	241.3	245.6	249.8
77°	225.2	229.0	233.2	237.0
77.5°	213.8	217.2	220.5	223.9
78°	202.8	205.0	208.3	211.6
78.5°	192.0	193.7	195.7	198.9
79°	181.3	182.2	183.8	186.4
79.5°	170.8	171.1	172.3	174.2
80°	160.9	160.5	161.1	162.7
80.5°	151.1	149.9	150.0	150.8
81°	141.3	139.3	138.8	139.2
81.5°	131.4	128.7	127.6	127.9
82°	121.6	118.1	116.4	116.9
82.5°	112.4	108.4	105.9	105.5
83°	103.3	98.9	96.1	95.6
83.5°	94.7	89.4	86.0	85.5
84°	86.4	80.4	76.6	76.0
84.5°	78.6	71.9	67.5	66.5
85°	70.9	63.8	59.0	57.8
85.5°	63.9	56.1	50.7	50.3
86°	57.2	49.0	43.1	42.7
86.5°	50.8	42.3	35.9	35.2
87°	44.8	35.9	29.4	27.8
87.5°	39.5	30.3	24.8	21.3
88°	34.5	25.4	20.2	15.4
88.5°	29.9	22.0	15.5	10.4



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	19.2	12.0	4.4	3.3
90.5°	17.3	8.8	3.0	1.8
91°	15.4	7.2	2.2	0.3
91.5°	13.5	6.0	1.7	0.3
92°	11.7	5.2	1.5	0.2
92.5°	9.8	4.7	1.3	0.2
93°	8.9	4.3	1.2	0.2
93.5°	8.2	4.1	1.2	0.2
94°	7.7	3.7	1.1	0.3
94.5°	7.3	3.5	1.1	0.3
95°	7.0	3.4	1.1	0.4
95.5°	6.6	3.3	1.1	0.5
96°	6.2	3.3	1.0	0.5
96.5°	5.9	3.3	1.0	0.6
97°	5.8	3.3	1.0	0.6
97.5°	5.7	3.1	1.0	0.7
98°	5.7	3.0	0.9	0.8
98.5°	5.6	2.8	0.9	0.8
99°	5.6	2.8	0.9	0.9
99.5°	5.5	2.7	1.0	1.0
100°	5.4	2.7	1.1	1.1
100.5°	5.3	2.7	1.2	1.2
101°	5.1	2.6	1.3	1.3
101.5°	4.9	2.6	1.3	1.4
102°	4.7	2.6	1.4	1.5
102.5°	4.6	2.5	1.5	1.6
103°	4.4	2.4	1.5	1.7
103.5°	4.3	2.3	1.6	1.7
104°	4.2	2.2	1.7	1.8
104.5°	4.1	2.1	1.7	1.8
105°	4.0	2.1	1.8	1.8
105.5°	4.0	2.0	1.8	1.8
106°	3.9	2.0	2.0	1.8
106.5°	3.7	1.9	2.3	1.8
107°	3.6	1.8	2.4	1.8
107.5°	3.5	1.8	2.2	1.8
108°	3.3	1.8	2.2	1.8
108.5°	3.2	1.7	2.3	1.8
109°	3.0	1.7	2.2	1.8
109.5°	2.9	1.8	2.1	1.8
110°	2.8	1.8	2.1	1.9
110.5°	2.7	1.8	2.1	1.9
111°	2.6	1.8	2.1	1.9



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	2.5	1.9	2.2	1.9
113°	2.5	2.0	2.2	1.9
113.5°	2.3	2.0	2.2	1.9
114°	2.2	2.1	2.2	2.0
114.5°	2.2	2.2	2.3	2.0
115°	2.1	2.2	2.3	2.0
115.5°	2.1	2.2	2.3	2.0
116°	2.1	2.3	2.3	2.0
116.5°	2.1	2.3	2.3	2.0
117°	2.2	2.4	2.3	2.0
117.5°	2.3	2.6	2.3	2.0
118°	2.3	2.7	2.3	2.0
118.5°	2.4	2.8	2.3	2.1
119°	2.4	2.9	2.3	2.1
119.5°	2.5	2.9	2.4	2.1
120°	2.5	2.9	2.4	2.1
120.5°	2.6	2.9	2.4	2.2
121°	2.6	2.9	2.5	2.2
121.5°	2.6	2.8	2.5	2.2
122°	2.6	2.8	2.5	2.2
122.5°	2.6	2.8	2.5	2.2
123°	2.7	2.7	2.5	2.3
123.5°	2.7	2.7	2.5	2.3
124°	2.7	2.6	2.6	2.3
124.5°	2.8	2.6	2.6	2.3
125°	2.9	2.7	2.6	2.3
125.5°	3.0	2.8	2.7	2.4
126°	3.2	2.9	2.7	2.4
126.5°	3.3	3.0	2.7	2.4
127°	3.5	3.0	2.7	2.4
127.5°	3.6	3.1	2.8	2.5
128°	3.6	3.1	2.8	2.5
128.5°	3.6	3.1	2.8	2.5
129°	3.6	3.1	2.8	2.5
129.5°	3.5	3.1	2.9	2.5
130°	3.5	3.1	2.9	2.6
130.5°	3.5	3.1	2.8	2.6
131°	3.5	3.1	2.6	2.6
131.5°	3.4	3.1	2.6	2.6
132°	3.3	3.1	2.6	2.6
132.5°	3.3	3.1	2.7	2.6
133°	3.2	3.1	2.9	2.6
133.5°	3.2	3.0	2.9	2.6



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	3.2	3.0	2.8	2.7
135.5°	3.2	3.0	2.8	2.7
136°	3.2	3.0	2.8	2.6
136.5°	3.2	3.0	2.9	2.6
137°	3.3	3.0	2.9	2.6
137.5°	3.3	3.0	2.8	2.7
138°	3.3	3.0	2.7	2.7
138.5°	3.3	3.0	2.7	2.7
139°	3.3	3.1	2.7	2.7
139.5°	3.3	3.1	2.8	2.7
140°	3.3	3.1	2.9	2.7
140.5°	3.3	3.2	2.9	2.7
141°	3.3	3.2	2.9	2.7
141.5°	3.3	3.2	2.9	2.7
142°	3.3	3.2	2.9	2.7
142.5°	3.3	3.2	2.9	2.7
143°	3.3	3.2	2.9	2.7
143.5°	3.3	3.3	2.9	2.8
144°	3.3	3.3	2.9	2.7
144.5°	3.3	3.3	2.9	2.7
145°	3.3	3.3	2.9	2.7
145.5°	3.3	3.3	2.8	2.7
146°	3.4	3.3	2.8	2.7
146.5°	3.4	3.3	2.8	2.7
147°	3.4	3.3	2.8	2.7
147.5°	3.4	3.4	2.8	2.7
148°	3.4	3.4	2.9	2.7
148.5°	3.4	3.4	2.9	2.7
149°	3.4	3.4	2.9	2.7
149.5°	3.5	3.4	2.9	2.6
150°	3.5	3.4	2.9	2.7
150.5°	3.5	3.4	2.8	2.7
151°	3.5	3.4	2.7	2.5
151.5°	3.5	3.4	2.7	2.4
152°	3.5	3.4	2.8	2.4
152.5°	3.5	3.3	2.8	2.4
153°	3.6	3.3	2.7	2.4
153.5°	3.6	3.3	2.5	2.2
154°	3.6	3.2	2.4	2.0
154.5°	3.6	3.2	2.4	2.0
155°	3.6	3.1	2.4	2.0
155.5°	3.6	3.0	2.3	2.0
156°	3.6	2.9	2.1	1.9



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	3.7	2.8	2.0	1.8
158°	3.7	2.8	2.0	1.8
158.5°	3.7	2.8	2.0	1.8
159°	3.7	2.8	2.0	1.8
159.5°	3.7	2.8	1.9	1.8
160°	3.7	2.7	1.9	1.8
160.5°	3.7	2.7	1.9	1.8
161°	3.7	2.7	1.9	1.8
161.5°	3.8	2.7	1.9	1.8
162°	3.8	2.7	1.9	1.9
162.5°	3.7	2.6	1.9	1.9
163°	3.7	2.5	1.9	1.9
163.5°	3.8	2.4	1.8	1.9
164°	3.8	2.4	1.8	1.9
164.5°	3.4	2.4	1.8	1.9
165°	3.2	2.3	1.9	1.9
165.5°	3.5	2.2	1.9	1.9
166°	3.5	2.0	1.9	1.9
166.5°	3.1	2.0	1.9	1.9
167°	2.8	2.0	1.9	2.0
167.5°	3.3	2.3	1.9	2.0
168°	3.5	2.6	2.0	2.0
168.5°	3.3	2.5	2.0	2.0
169°	3.2	2.6	2.1	2.0
169.5°	3.3	2.7	2.2	2.1
170°	3.2	2.7	2.5	2.1
170.5°	3.2	2.7	2.6	2.4
171°	3.4	3.0	2.6	2.7
171.5°	3.4	3.1	2.8	2.7
172°	3.4	3.1	3.0	2.8
172.5°	3.4	3.2	3.0	2.9
173°	3.4	3.2	3.0	2.9
173.5°	3.3	3.2	3.1	2.9
174°	3.3	3.2	3.2	3.0
174.5°	3.3	3.2	3.2	3.1
175°	3.3	3.2	3.2	3.1
175.5°	3.3	3.2	3.2	3.2
176°	3.3	3.2	3.2	3.2
176.5°	3.3	3.2	3.2	3.2
177°	3.2	3.2	3.2	3.2
177.5°	3.2	3.2	3.2	3.2
178°	3.2	3.2	3.2	3.2
178.5°	3.3	3.2	3.3	3.3



TEST NUMBER: P563547

CATALOG NUMBER: 4NWS3C3-UNV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	3.0	3.0	3.0	3.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	1583.0	1586.8	1586.4	1583.5	1577.8	1570.9	1563.6	1557.5	1552.3	1549.7	1548.7
22°	1575.5	1579.6	1579.6	1576.2	1570.5	1563.3	1555.3	1549.0	1544.4	1540.9	1540.1



44°	1137.2	1141.4	1136.1	1124.0	1104.5	1080.6	1056.2	1035.3	1020.0	1012.4	1013.4
44.5°	1124.6	1128.1	1123.7	1111.0	1091.5	1067.1	1043.2	1021.9	1006.6	999.1	999.1



66.5°	522.3	527.2	525.9	518.5	506.7	490.2	475.1	461.8	452.1	446.4	444.9
67°	508.3	512.8	512.3	505.6	493.8	478.3	463.9	450.7	440.9	435.7	434.6



89°	6.4	12.6	24.0	37.0	49.3	57.8	64.6	68.6	70.1	69.5	67.0
89.5°	4.8	8.8	19.7	32.3	44.4	53.5	60.3	63.8	65.4	64.9	62.4



111.5°	1.9	1.9	1.5	1.4	1.9	2.9	4.1	5.4	6.2	6.5	6.3
112°	1.9	1.9	1.6	1.4	1.8	2.7	3.9	5.1	6.0	6.2	6.0



134°	2.7	2.7	2.7	3.3	3.3	2.9	2.9	2.9	3.0	3.1	3.2
134.5°	2.7	2.7	2.7	3.3	3.4	3.0	3.0	3.0	3.0	3.1	3.3



156.5°	1.8	2.8	3.3	3.2	3.2	3.2	3.4	3.8	4.0	4.1	4.2
157°	1.8	2.8	3.3	3.3	3.2	3.3	3.4	3.7	3.9	4.0	4.1



179°	3.2	3.1	3.0	2.8	2.6	2.5	2.6	2.8	3.0	3.2	3.2
179.5°	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.9	3.0	3.0	3.0





21.5°	1550.2	1554.2	1557.9	1562.5	1566.8	1568.7	1568.8	1566.8	1562.0	1554.7	1545.4
22°	1541.6	1545.4	1550.1	1555.1	1559.8	1561.4	1561.7	1559.8	1554.4	1546.9	1537.4



44°	1020.8	1036.0	1055.6	1074.1	1090.6	1102.4	1107.0	1105.0	1097.0	1082.2	1060.7
44.5°	1007.7	1023.1	1042.3	1060.4	1077.4	1089.3	1093.3	1092.5	1084.5	1069.2	1047.3



66.5°	448.2	455.0	464.3	473.8	482.1	487.7	486.5	485.5	479.6	471.0	458.6
67°	437.5	443.7	452.6	461.3	468.8	473.2	472.9	471.7	465.9	457.6	445.8



89°	62.5	56.1	48.2	36.8	24.7	13.2	5.3	0.8	4.4	12.2	20.1
89.5°	58.4	52.2	43.7	32.7	21.2	10.6	4.2	0.8	3.2	9.2	18.2



111.5°	5.4	4.3	3.1	2.3	2.4	2.9	3.5	3.2	3.7	2.8	3.2
112°	5.2	4.1	3.0	2.3	2.4	3.0	3.6	3.3	3.8	2.8	3.2



134°	3.5	3.9	4.5	5.5	5.7	4.4	3.9	3.6	4.6	4.8	4.4
134.5°	3.5	4.0	4.6	5.7	5.6	4.4	3.9	3.7	4.5	4.8	4.4



156.5°	4.1	3.9	3.7	3.9	3.8	3.6	3.5	3.0	3.2	3.6	4.0
157°	4.0	3.8	3.7	3.9	3.8	3.6	3.3	3.0	3.2	3.6	4.0



179°	3.0	2.9	2.8	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1
179.5°	3.0	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8





21.5°	1535.3	1524.5	1515.6	1508.2	1504.6	1503.7	1505.8	1512.4	1521.8	1533.8	1546.0
22°	1527.2	1515.4	1506.0	1499.5	1495.5	1493.8	1496.8	1502.6	1512.7	1524.8	1537.7



44°	1036.5	1009.8	986.2	967.3	955.8	952.7	958.7	973.7	996.5	1024.1	1054.8
44.5°	1023.6	996.0	972.7	954.0	942.0	938.9	945.1	960.5	983.2	1011.1	1041.1



66.5°	444.9	430.7	418.5	409.3	404.0	403.5	407.5	416.5	429.5	446.4	465.1
67°	432.3	418.8	407.4	398.8	393.8	393.3	396.8	405.8	418.4	434.5	452.8



89°	29.3	37.6	44.1	48.9	51.9	53.2	53.0	51.1	47.5	42.0	34.6
89.5°	26.1	34.1	40.6	45.3	48.4	49.6	49.3	47.4	43.7	38.1	30.8



111.5°	5.1	7.2	8.9	10.0	10.7	11.0	10.7	9.8	8.2	6.5	4.5
112°	4.9	7.0	8.7	9.8	10.5	10.8	10.5	9.5	8.0	6.4	4.3



134°	4.1	3.5	3.1	2.9	2.8	2.7	2.8	2.8	2.9	3.1	3.5
134.5°	4.2	3.6	3.2	2.9	2.8	2.7	2.8	2.8	2.9	3.2	3.6



156.5°	4.4	4.3	4.0	4.0	3.9	4.0	3.9	3.9	3.8	3.7	3.7
157°	4.5	4.3	4.1	4.0	3.9	4.0	4.0	3.9	3.8	3.7	3.7



179°	3.2	3.1	2.9	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.3
179.5°	2.8	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.1





21.5°	1557.7	1568.4	1576.8	1583.0
22°	1549.4	1561.6	1570.5	1575.5



44°	1082.8	1107.7	1125.4	1137.2
44.5°	1070.6	1094.6	1113.1	1124.6



66.5°	484.1	501.4	514.3	522.3
67°	471.1	487.9	500.8	508.3



89°	25.9	18.7	10.9	6.4
89.5°	22.3	15.3	6.5	4.8



111.5°	2.6	1.9	2.1	1.9
112°	2.5	1.9	2.2	1.9



134°	3.2	3.0	2.9	2.7
134.5°	3.2	3.0	2.8	2.7



156.5°	3.6	2.9	2.0	1.8
157°	3.6	2.9	2.0	1.8



179°	3.3	3.3	3.2	3.2
179.5°	3.1	3.1	3.0	2.9



(END OF REPORT)