

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: P563546

Luminaire Tested: **4NWS3C3-UNV-MED-3500K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563546
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-3500K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND MED LUMEN SETTING
Light Source: -
Ballast/Driver:

Summary

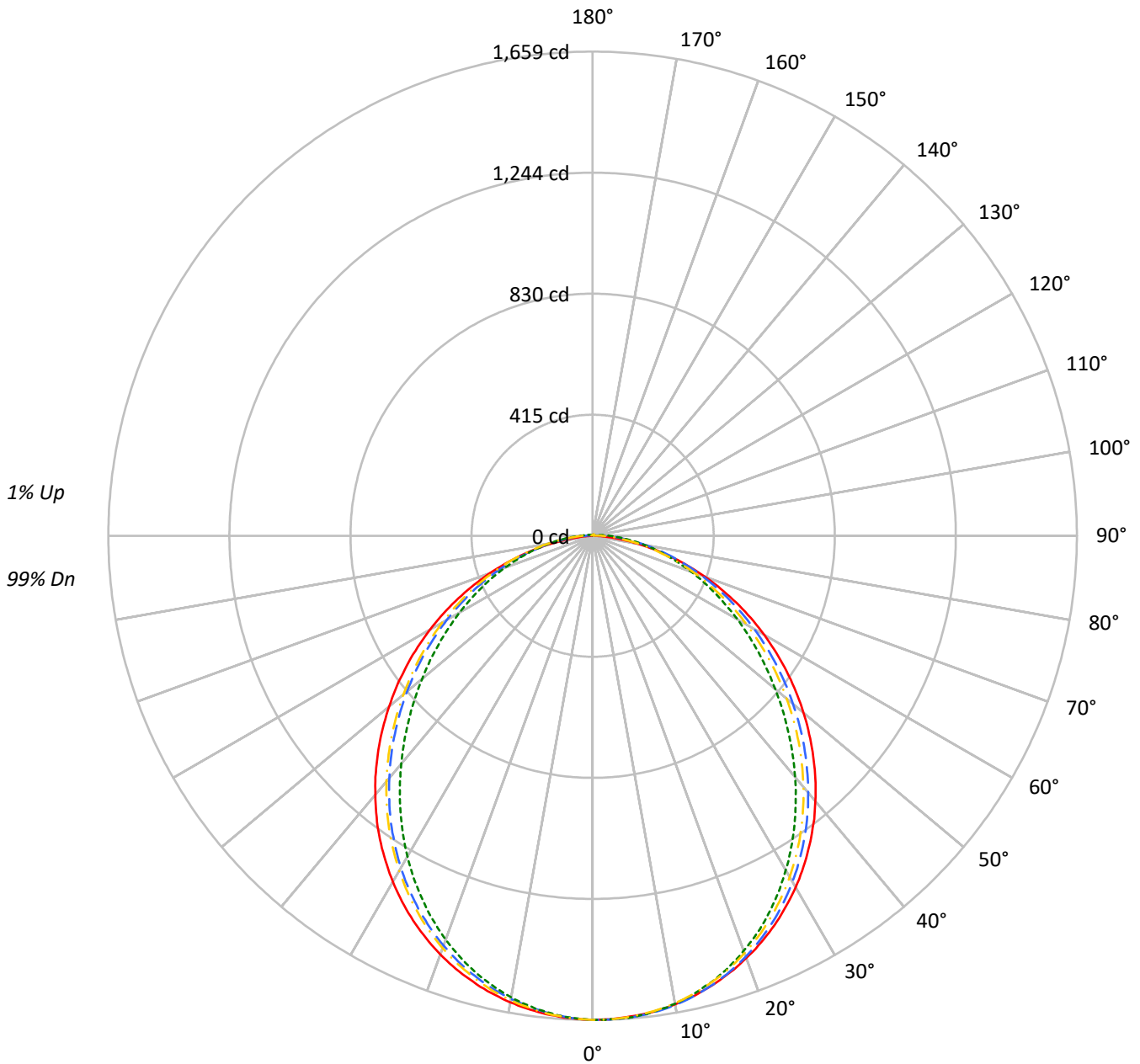
Lumens per Lamp: N/A
Luminaire Lumens: 4324.0 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.17 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 33.1
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°	10081	10081	10081	10081
5°	10057	9929	10039	9856
10°	10025	9730	9982	9597
15°	9968	9475	9901	9280
20°	9886	9164	9799	8916
25°	9784	8803	9662	8495
30°	9645	8381	9492	8035
35°	9469	7910	9287	7528
40°	9253	7398	9036	6993
45°	9002	6859	8743	6441
50°	8705	6311	8399	5894
55°	8356	5787	8001	5357
60°	7959	5264	7541	4831
65°	7479	4732	6987	4296
70°	6870	4199	6280	3744
75°	6062	3645	5323	3152
80°	4898	3049	3987	2530
85°	3134	2434	2012	1935



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.5	3.6
10°-20°	444.3	10.3
20°-30°	659.8	15.3
30°-40°	769.1	17.8
40°-50°	761.4	17.6
50°-60°	653.9	15.1
60°-70°	478.6	11.1
70°-80°	271.7	6.3
80°-90°	90.5	2.1
90°-100°	16.4	0.4
100°-110°	6.9	0.2
110°-120°	4.1	0.1
120°-130°	2.9	0.1
130°-140°	2.6	0.1
140°-150°	2.4	0.1
150°-160°	1.7	0.0
160°-170°	1.0	0.0
170°-180°	0.3	0.0
0°-30°	1260.6	29.2
0°-40°	2029.7	46.9
0°-60°	3444.9	79.7
0°-90°	4285.7	99.1
90°-120°	27.4	0.6
90°-150°	35.4	0.8
90°-180°	38.0	0.9
0°-180°	4324.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1658	1658	1658	1658	1658	
5°	1651	1654	1648	1642	1651	157
15°	1593	1581	1582	1549	1593	449
25°	1473	1427	1455	1377	1473	678
35°	1295	1206	1270	1148	1295	810
45°	1069	948	1038	890	1069	824
55°	812	692	777	641	812	726
65°	543	461	507	419	543	537
75°	278	264	244	228	278	295
85°	56	110	36	87	56	66
90°	3	58	1	44	3	3
95°	0	28	1	23	0	0
105°	2	10	2	14	2	2
115°	2	4	3	9	2	2
125°	2	2	3	5	2	2
135°	3	3	4	3	3	2
145°	3	4	3	4	3	2
155°	2	4	3	4	2	1
165°	2	3	3	4	2	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5
0.5°	1658.1	1658.1	1658.2	1658.4	1658.5	1658.7	1658.8	1658.8	1658.9	1658.9	1658.9
1°	1657.9	1658.0	1658.4	1658.7	1658.9	1659.0	1659.0	1659.0	1658.5	1657.9	1658.3
1.5°	1657.9	1658.6	1658.6	1658.1	1657.8	1658.0	1658.6	1659.0	1658.5	1659.2	1659.4
2°	1657.6	1658.1	1658.1	1658.1	1658.4	1658.9	1659.3	1659.3	1658.4	1658.5	1658.8
2.5°	1657.0	1657.4	1657.5	1657.6	1657.7	1657.1	1657.4	1657.2	1658.9	1657.9	1657.2
3°	1655.8	1656.2	1656.9	1657.2	1657.6	1657.7	1658.1	1658.4	1657.8	1657.6	1657.7
3.5°	1654.7	1655.5	1656.2	1657.5	1657.0	1657.3	1657.4	1656.9	1657.4	1656.3	1655.8
4°	1654.0	1655.5	1655.0	1656.5	1656.2	1656.4	1656.3	1656.0	1655.2	1657.0	1655.5
4.5°	1652.2	1653.6	1654.0	1655.0	1655.9	1655.7	1655.0	1655.8	1655.2	1655.3	1653.7
5°	1651.2	1652.5	1653.0	1653.6	1654.6	1654.5	1653.0	1653.6	1654.0	1654.0	1652.6
5.5°	1650.1	1651.3	1652.0	1652.3	1652.8	1652.3	1651.8	1651.8	1652.5	1652.1	1650.5
6°	1648.8	1649.9	1650.2	1651.0	1651.8	1651.0	1650.7	1650.2	1650.3	1649.9	1648.2
6.5°	1647.0	1648.4	1648.6	1649.2	1650.1	1649.4	1649.6	1648.4	1648.4	1648.3	1646.5
7°	1645.4	1646.1	1647.5	1647.1	1647.2	1646.2	1647.7	1646.1	1645.9	1645.8	1644.5
7.5°	1643.1	1643.9	1645.1	1646.0	1645.9	1645.0	1644.6	1644.0	1643.3	1642.1	1642.2
8°	1641.4	1641.4	1643.3	1643.5	1643.4	1642.8	1642.1	1641.7	1641.1	1640.2	1639.7
8.5°	1638.3	1638.6	1641.1	1640.7	1641.1	1640.6	1639.6	1639.0	1637.9	1637.3	1636.1
9°	1636.5	1638.0	1638.1	1638.8	1638.8	1638.2	1636.4	1636.1	1634.9	1635.4	1633.0
9.5°	1633.5	1634.9	1636.1	1635.8	1636.1	1634.6	1632.8	1632.7	1631.9	1630.3	1629.7
10°	1630.2	1632.1	1633.0	1633.1	1632.9	1631.8	1629.9	1628.8	1628.3	1628.6	1626.9
10.5°	1627.2	1628.8	1630.3	1630.4	1629.7	1628.4	1626.3	1625.1	1624.5	1624.2	1622.9
11°	1623.8	1624.9	1626.8	1626.9	1626.3	1625.5	1622.2	1621.8	1621.5	1620.3	1619.1
11.5°	1620.3	1622.5	1623.3	1623.7	1622.3	1621.8	1618.6	1618.2	1617.1	1616.3	1614.9
12°	1616.9	1618.9	1620.4	1620.5	1618.9	1617.6	1615.3	1614.0	1611.7	1612.1	1609.9
12.5°	1613.7	1615.3	1616.7	1616.8	1614.7	1613.8	1611.3	1609.6	1607.7	1607.2	1605.9
13°	1609.9	1612.0	1613.1	1612.6	1610.2	1609.8	1606.7	1605.3	1603.5	1601.8	1601.2
13.5°	1605.6	1608.2	1609.3	1608.9	1606.3	1605.4	1601.3	1600.1	1598.5	1596.6	1595.2
14°	1601.6	1604.0	1605.0	1605.1	1601.9	1600.1	1597.2	1595.1	1593.4	1591.2	1590.5
14.5°	1597.6	1599.8	1600.8	1600.8	1597.0	1595.7	1592.9	1589.9	1587.2	1586.6	1584.5
15°	1592.9	1595.6	1596.3	1595.8	1593.0	1591.0	1587.3	1584.6	1582.1	1581.3	1579.9
15.5°	1588.7	1591.3	1591.3	1590.6	1588.5	1586.1	1581.3	1579.6	1576.4	1575.6	1573.6
16°	1583.6	1586.7	1587.1	1586.0	1583.1	1580.4	1576.2	1573.6	1571.1	1569.1	1567.3
16.5°	1577.9	1581.8	1582.6	1581.4	1577.8	1574.9	1570.3	1567.3	1564.8	1562.3	1561.7
17°	1572.7	1577.0	1577.0	1576.4	1573.1	1569.4	1564.7	1561.0	1558.1	1556.8	1556.0
17.5°	1568.2	1571.5	1571.9	1570.7	1567.5	1563.3	1557.7	1554.7	1551.2	1550.4	1548.6
18°	1563.4	1565.9	1566.7	1565.1	1561.4	1557.5	1552.0	1548.3	1544.7	1542.8	1542.1
18.5°	1557.3	1561.3	1561.7	1559.9	1555.7	1551.4	1545.4	1541.3	1538.4	1535.9	1535.0
19°	1551.5	1555.9	1556.3	1553.8	1549.9	1544.9	1539.4	1534.4	1530.9	1528.6	1528.3
19.5°	1545.7	1549.6	1549.8	1547.8	1543.4	1538.0	1532.0	1527.6	1523.2	1522.2	1519.6
20°	1539.9	1543.5	1543.4	1541.6	1537.0	1531.3	1524.6	1519.9	1516.1	1513.3	1512.6
20.5°	1534.0	1537.7	1537.6	1535.3	1530.6	1524.8	1517.4	1512.2	1508.7	1505.9	1504.6
21°	1528.2	1531.8	1531.4	1528.7	1523.4	1517.5	1510.6	1504.6	1501.0	1497.5	1496.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1507.8	1511.7	1511.9	1508.2	1502.7	1495.5	1487.3	1480.8	1476.0	1473.3	1471.5
23°	1501.8	1505.1	1504.7	1501.2	1495.4	1488.0	1479.5	1472.5	1467.3	1465.4	1463.3
23.5°	1494.3	1498.2	1497.8	1494.0	1488.0	1479.9	1471.5	1463.7	1458.4	1455.7	1454.3
24°	1487.1	1491.2	1490.9	1486.4	1480.0	1472.0	1462.4	1454.9	1449.4	1446.7	1445.5
24.5°	1480.3	1483.9	1483.3	1479.2	1471.9	1463.6	1455.0	1446.6	1440.3	1437.3	1435.8
25°	1473.0	1476.8	1475.6	1471.5	1464.3	1455.1	1446.1	1437.5	1431.0	1427.3	1426.6
25.5°	1465.1	1469.0	1468.2	1463.5	1456.8	1446.7	1436.8	1428.1	1421.8	1418.2	1416.7
26°	1457.4	1460.6	1460.3	1454.9	1448.4	1437.7	1427.5	1418.3	1411.5	1407.5	1407.3
26.5°	1449.3	1453.2	1451.5	1447.4	1439.1	1428.8	1418.0	1408.9	1401.9	1398.3	1396.9
27°	1441.3	1445.8	1443.6	1438.5	1430.4	1420.0	1408.7	1399.2	1392.1	1387.5	1387.4
27.5°	1433.3	1437.5	1436.0	1429.8	1421.7	1410.4	1400.2	1389.2	1381.1	1378.0	1377.0
28°	1424.7	1429.2	1427.8	1421.6	1412.8	1401.2	1389.1	1379.5	1371.3	1367.3	1366.0
28.5°	1416.3	1420.7	1419.2	1413.2	1404.2	1392.1	1379.6	1369.4	1360.2	1355.6	1355.1
29°	1408.5	1412.3	1410.6	1404.1	1394.4	1382.2	1369.9	1358.7	1350.8	1346.0	1344.8
29.5°	1399.8	1403.9	1401.6	1395.5	1385.0	1372.6	1360.2	1348.2	1338.7	1334.8	1334.8
30°	1390.6	1394.2	1392.7	1385.6	1375.6	1362.5	1349.2	1337.6	1328.3	1323.4	1323.8
30.5°	1381.9	1385.4	1383.6	1377.0	1366.0	1352.1	1338.9	1326.8	1316.2	1312.6	1311.8
31°	1373.0	1376.9	1374.1	1367.7	1356.7	1342.4	1327.9	1315.6	1306.2	1301.5	1300.2
31.5°	1363.7	1367.8	1365.1	1357.6	1346.8	1332.4	1317.1	1304.2	1294.7	1289.6	1288.5
32°	1353.7	1357.7	1355.3	1347.5	1336.2	1321.3	1306.5	1293.4	1283.2	1277.7	1277.3
32.5°	1344.1	1348.0	1345.7	1337.3	1325.9	1310.7	1295.7	1282.3	1272.5	1266.0	1265.8
33°	1334.9	1338.8	1335.8	1328.2	1315.6	1300.4	1284.9	1270.6	1260.5	1254.6	1254.3
33.5°	1325.0	1328.8	1326.1	1318.2	1305.6	1289.6	1273.7	1259.4	1248.2	1242.4	1242.0
34°	1314.7	1319.2	1316.0	1307.6	1295.1	1278.2	1261.7	1247.4	1236.3	1230.1	1230.0
34.5°	1304.3	1309.0	1305.9	1297.3	1284.6	1267.2	1250.2	1234.8	1224.0	1218.3	1217.6
35°	1294.6	1298.9	1296.0	1287.0	1273.4	1256.1	1238.9	1223.1	1211.3	1205.9	1205.8
35.5°	1284.6	1288.5	1286.1	1276.6	1262.3	1244.6	1227.1	1211.2	1199.2	1193.7	1193.4
36°	1274.2	1278.7	1274.8	1266.0	1251.6	1233.2	1215.4	1199.2	1186.7	1181.4	1180.8
36.5°	1263.4	1267.6	1264.3	1254.6	1240.9	1222.1	1203.6	1186.7	1174.4	1168.2	1168.8
37°	1253.0	1256.7	1253.6	1244.0	1229.4	1210.7	1191.8	1174.9	1161.3	1155.7	1156.1
37.5°	1242.8	1245.9	1242.7	1233.2	1217.9	1198.9	1179.5	1162.3	1149.2	1143.1	1143.2
38°	1232.7	1235.1	1232.3	1221.6	1206.6	1186.9	1167.2	1149.8	1136.9	1130.1	1129.9
38.5°	1221.2	1224.3	1220.3	1210.5	1194.8	1175.0	1154.9	1137.1	1124.2	1118.1	1117.5
39°	1209.3	1213.3	1209.4	1199.0	1183.2	1163.2	1142.9	1124.5	1111.7	1104.7	1104.2
39.5°	1197.7	1202.5	1198.2	1187.8	1171.2	1150.7	1130.6	1111.9	1098.2	1092.2	1092.1
40°	1186.4	1190.9	1187.1	1175.6	1159.5	1138.3	1117.6	1099.3	1085.3	1079.0	1079.0
40.5°	1175.7	1179.3	1175.8	1164.4	1147.5	1126.3	1105.0	1086.3	1072.1	1065.9	1065.4
41°	1164.3	1167.7	1164.1	1152.5	1135.5	1113.7	1092.5	1073.7	1059.3	1053.0	1052.2
41.5°	1152.4	1155.9	1152.0	1141.0	1123.4	1101.5	1079.5	1060.4	1045.5	1039.4	1039.4
42°	1141.1	1144.9	1140.6	1128.5	1111.6	1089.4	1067.6	1047.7	1033.2	1027.0	1026.1
42.5°	1129.7	1133.1	1128.6	1117.2	1098.6	1076.7	1054.7	1034.9	1020.2	1013.5	1013.0
43°	1117.7	1121.1	1116.8	1104.3	1086.3	1063.9	1041.8	1021.7	1007.0	1000.7	1000.0
43.5°	1105.2	1109.3	1104.6	1092.8	1074.6	1051.4	1028.7	1008.7	993.7	987.1	987.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	1068.9	1072.6	1067.9	1055.3	1037.2	1013.2	990.1	969.5	954.3	947.5	947.3
45.5°	1057.1	1060.5	1055.5	1042.7	1023.9	1000.4	977.2	956.4	941.6	934.1	934.1
46°	1044.3	1048.1	1043.3	1030.4	1011.2	987.4	963.8	943.4	928.9	920.5	921.3
46.5°	1031.3	1035.3	1030.6	1017.7	998.5	974.4	950.5	930.3	914.9	908.2	908.3
47°	1018.7	1023.1	1018.8	1005.1	986.0	961.5	937.6	917.0	901.7	895.0	894.7
47.5°	1006.6	1010.3	1005.9	993.1	973.5	948.7	925.1	903.5	888.7	881.9	881.5
48°	994.4	997.9	993.0	980.5	960.9	935.7	912.0	890.8	876.0	868.4	869.1
48.5°	981.3	984.6	980.0	967.4	947.8	922.8	899.3	877.9	862.5	855.8	856.1
49°	969.1	973.0	967.1	953.9	934.8	910.0	886.0	865.0	849.9	842.6	842.6
49.5°	956.2	959.7	955.4	941.6	921.6	896.9	873.3	852.0	836.7	829.7	830.0
50°	943.3	947.2	942.0	929.0	908.6	883.8	860.5	838.9	824.5	816.5	816.9
50.5°	930.0	934.1	929.2	916.4	896.0	871.0	847.4	825.9	810.8	803.9	803.7
51°	917.3	921.2	915.9	902.6	883.2	858.1	834.5	813.5	798.9	791.0	790.6
51.5°	904.2	908.2	903.0	890.1	870.2	845.2	821.2	800.5	785.4	779.2	778.5
52°	891.5	895.5	890.4	877.0	857.1	832.6	808.8	788.1	773.2	765.7	765.9
52.5°	878.1	881.9	876.6	863.9	844.0	819.2	795.9	775.4	760.9	753.6	753.5
53°	865.1	869.0	864.0	850.7	830.9	806.3	783.0	762.7	748.4	740.7	740.4
53.5°	851.9	855.6	850.6	837.8	817.8	793.5	770.4	750.2	735.0	728.8	727.9
54°	838.8	842.3	837.7	825.0	805.0	780.5	757.8	737.5	723.1	715.8	716.1
54.5°	825.4	829.4	824.2	811.7	792.4	767.5	744.6	724.8	710.4	703.6	703.5
55°	811.9	816.2	811.5	798.6	778.9	754.5	731.9	712.3	698.4	692.3	690.9
55.5°	799.0	802.8	797.9	785.8	766.4	742.2	719.4	699.6	685.8	679.5	678.5
56°	785.3	789.3	785.0	772.5	753.4	729.8	707.3	687.3	673.8	667.1	666.7
56.5°	772.2	776.3	771.7	759.4	740.6	716.9	694.5	675.3	661.9	655.2	654.7
57°	759.4	762.7	758.3	746.2	727.2	704.1	682.0	663.1	649.4	643.4	642.6
57.5°	745.5	750.0	744.5	733.3	714.8	691.7	669.7	650.7	637.8	631.3	630.6
58°	731.9	736.0	732.1	719.6	701.1	679.1	657.6	639.0	625.8	619.0	619.2
58.5°	718.9	722.8	718.3	707.0	688.6	666.2	645.0	626.7	614.1	607.6	607.1
59°	705.3	709.9	705.1	693.9	675.9	653.8	632.7	614.5	602.7	596.5	595.4
59.5°	691.9	695.9	691.8	680.8	663.1	641.2	620.7	603.3	591.0	585.3	583.3
60°	678.2	682.6	678.9	667.6	650.0	628.8	608.4	591.7	579.5	573.6	571.8
60.5°	664.9	668.8	665.3	654.6	638.0	616.5	597.0	580.3	567.8	561.9	560.3
61°	651.4	655.1	652.0	641.8	625.4	604.5	581.9	568.4	556.2	550.1	548.8
61.5°	638.1	642.4	638.4	627.9	612.1	591.9	569.7	556.4	544.5	538.4	537.3
62°	624.5	629.0	625.8	615.4	599.0	579.2	558.6	544.7	532.8	526.7	525.8
62.5°	611.1	615.1	612.5	602.8	586.8	567.1	547.5	532.9	521.1	515.2	514.4
63°	597.6	601.9	599.0	589.7	574.2	555.0	536.3	521.2	510.1	504.4	503.4
63.5°	584.3	588.2	585.7	576.2	561.4	542.8	525.3	509.9	499.2	493.5	492.7
64°	570.6	574.6	571.9	564.6	548.7	530.7	513.4	498.9	488.3	482.7	481.6
64.5°	556.8	561.0	558.6	560.4	536.4	518.5	502.1	487.7	477.3	471.7	470.5
65°	543.1	547.3	545.4	544.8	524.7	506.4	490.7	476.6	466.4	461.3	459.9
65.5°	529.3	533.7	532.1	529.3	512.1	494.4	479.1	465.6	455.8	450.3	449.0
66°	515.5	520.1	518.8	513.8	499.4	482.8	467.8	454.6	445.2	439.7	438.7



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	475.4	479.7	479.2	473.2	462.5	448.1	434.5	422.9	413.7	408.5	407.2
68°	462.3	466.5	466.0	460.7	450.3	436.6	423.4	412.1	403.6	398.5	397.1
68.5°	448.7	453.2	453.3	447.6	438.1	425.0	412.6	401.5	393.4	388.6	386.4
69°	435.3	440.0	440.2	435.7	426.2	413.5	401.8	391.2	382.7	378.4	376.7
69.5°	422.0	427.1	427.2	423.2	414.6	402.2	391.0	380.6	372.7	368.1	366.5
70°	408.6	413.7	414.4	410.9	402.7	391.2	380.3	370.2	362.8	358.0	356.5
70.5°	395.3	400.4	401.6	398.2	391.3	380.2	369.8	360.2	353.1	348.4	346.5
71°	382.2	387.0	388.8	386.2	379.2	369.1	359.2	350.1	343.3	338.8	336.9
71.5°	369.0	374.2	375.6	373.6	367.7	358.0	348.9	340.3	333.2	329.0	327.3
72°	356.0	361.1	363.2	361.3	356.1	347.1	338.3	330.2	323.5	319.2	317.5
72.5°	343.0	347.9	350.7	349.3	344.3	336.0	328.2	320.1	313.9	310.1	307.9
73°	329.7	335.0	338.3	337.6	333.2	325.2	317.8	310.4	304.5	300.5	298.3
73.5°	316.3	322.3	325.5	325.5	321.8	315.2	307.7	300.7	294.9	291.1	289.0
74°	303.7	309.0	313.1	313.8	310.5	304.4	297.8	291.1	285.8	281.8	279.7
74.5°	290.9	296.7	300.7	301.7	299.4	293.6	287.9	281.6	276.5	272.9	270.9
75°	278.1	283.9	288.5	290.0	288.4	283.3	278.0	272.3	267.4	263.8	261.6
75.5°	265.1	271.5	276.1	278.3	277.5	273.0	268.2	262.9	258.1	254.9	252.7
76°	252.6	258.7	264.1	267.1	266.2	262.6	258.7	253.7	249.4	246.1	243.6
76.5°	240.2	246.6	252.1	255.4	255.7	252.7	248.9	244.5	240.5	237.4	234.9
77°	227.8	234.0	240.3	244.1	245.1	242.8	239.6	235.4	231.7	228.5	226.1
77.5°	215.3	222.0	228.6	232.9	234.6	233.0	230.2	226.6	222.9	220.1	217.6
78°	203.4	210.0	216.7	222.1	224.1	223.3	221.1	217.8	214.7	211.8	209.3
78.5°	191.2	198.2	205.2	211.1	213.8	213.6	211.8	209.2	206.4	203.5	201.0
79°	179.2	186.5	194.1	200.3	203.7	204.0	203.0	200.6	198.0	195.3	192.8
79.5°	167.5	174.6	182.8	189.6	193.7	194.7	194.3	192.2	189.9	187.5	184.8
80°	156.4	163.3	171.6	179.2	183.9	185.5	185.5	184.0	181.9	179.7	176.9
80.5°	145.0	152.2	160.9	168.9	174.2	176.5	176.9	175.9	174.2	171.7	169.2
81°	133.9	141.2	150.3	158.8	164.7	167.7	168.8	167.9	166.5	164.2	161.7
81.5°	123.0	130.4	140.0	148.8	155.5	158.8	160.6	160.3	159.1	157.0	154.3
82°	112.4	119.7	129.6	139.2	146.3	150.4	152.6	152.7	151.7	149.6	147.0
82.5°	101.5	109.5	119.9	129.7	137.3	142.2	144.7	145.2	144.4	142.4	139.7
83°	91.9	99.6	110.0	120.5	128.6	134.1	137.1	137.9	137.3	135.7	132.9
83.5°	82.2	90.0	100.6	111.6	120.3	126.1	129.7	130.9	130.7	128.9	126.2
84°	73.0	80.7	91.4	102.8	112.1	118.5	122.5	124.1	123.8	122.3	119.7
84.5°	63.9	71.6	82.9	94.3	104.1	111.0	115.2	117.3	117.4	115.9	113.3
85°	55.6	63.1	74.3	86.2	96.6	103.8	108.5	110.7	111.1	109.7	107.1
85.5°	48.3	55.3	66.4	78.6	89.2	96.9	101.9	104.4	104.8	103.5	101.1
86°	41.1	48.3	58.7	71.3	82.2	90.3	95.5	98.3	98.8	97.7	95.1
86.5°	33.9	41.3	52.5	64.2	75.4	83.9	89.3	92.4	93.2	92.1	89.6
87°	26.7	34.3	46.3	57.1	69.0	77.6	83.4	86.8	87.6	86.9	84.2
87.5°	20.5	27.3	40.1	51.7	62.8	71.7	77.8	81.2	82.3	81.5	79.0
88°	14.8	21.5	34.0	46.4	56.8	66.1	72.3	75.9	77.2	76.4	73.9
88.5°	9.9	16.4	27.8	41.0	52.1	60.6	67.0	70.8	72.2	71.5	69.1



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	3.2	5.8	15.4	26.9	38.0	47.3	54.0	57.2	58.7	58.1	56.4
90.5°	1.7	4.7	12.4	23.2	33.9	43.1	50.0	53.6	55.2	54.6	52.8
91°	0.3	3.7	10.0	19.9	30.2	39.0	46.0	49.9	51.6	51.2	49.2
91.5°	0.3	2.6	8.1	17.2	26.9	35.4	42.0	46.3	48.1	47.7	45.6
92°	0.2	1.6	6.6	14.8	23.9	32.1	38.3	42.6	44.5	44.3	42.1
92.5°	0.2	1.3	5.8	12.8	21.3	29.1	35.2	39.1	41.0	40.8	38.9
93°	0.2	1.0	5.1	11.0	18.9	26.4	32.3	36.1	38.0	37.9	36.0
93.5°	0.2	0.8	4.4	9.6	16.8	23.9	29.6	33.4	35.2	35.1	33.4
94°	0.2	0.7	3.7	8.5	15.0	21.6	27.1	30.8	32.6	32.6	31.0
94.5°	0.3	0.6	3.4	7.6	13.5	19.6	24.8	28.4	30.2	30.2	28.7
95°	0.4	0.5	3.1	7.0	12.2	17.9	22.8	26.2	28.0	28.0	26.6
95.5°	0.4	0.5	2.8	6.5	11.1	16.3	20.9	24.2	25.9	26.0	24.7
96°	0.5	0.6	2.5	6.1	10.3	15.0	19.3	22.4	24.0	24.1	22.9
96.5°	0.5	0.6	2.2	5.7	9.6	13.9	17.9	20.8	22.4	22.5	21.4
97°	0.6	0.7	2.0	5.3	9.0	12.9	16.6	19.4	20.9	21.0	20.0
97.5°	0.7	0.7	1.8	4.9	8.6	12.1	15.5	18.1	19.5	19.7	18.7
98°	0.7	0.7	1.7	4.5	8.1	11.4	14.5	17.0	18.3	18.5	17.6
98.5°	0.8	0.8	1.5	4.2	7.6	10.9	13.7	16.0	17.3	17.5	16.7
99°	0.9	0.8	1.4	4.0	7.2	10.4	13.1	15.2	16.4	16.6	15.9
99.5°	0.9	0.9	1.3	3.7	6.8	9.9	12.5	14.5	15.6	15.8	15.1
100°	1.0	1.0	1.2	3.5	6.4	9.5	12.0	13.9	14.9	15.2	14.5
100.5°	1.2	1.0	1.2	3.2	6.1	9.0	11.5	13.3	14.4	14.6	14.0
101°	1.3	1.1	1.2	3.0	5.8	8.6	11.0	12.8	13.8	14.1	13.5
101.5°	1.4	1.2	1.2	2.8	5.5	8.2	10.5	12.3	13.4	13.6	13.1
102°	1.5	1.2	1.2	2.6	5.1	7.8	10.1	11.9	12.9	13.1	12.6
102.5°	1.5	1.3	1.2	2.4	4.8	7.4	9.6	11.4	12.4	12.6	12.1
103°	1.6	1.3	1.2	2.2	4.5	7.0	9.2	10.9	11.9	12.1	11.7
103.5°	1.7	1.4	1.2	2.1	4.2	6.7	8.8	10.5	11.5	11.7	11.2
104°	1.7	1.4	1.1	1.9	4.0	6.3	8.4	10.1	11.0	11.3	10.8
104.5°	1.7	1.5	1.1	1.8	3.7	6.0	8.1	9.6	10.6	10.8	10.4
105°	1.8	1.7	1.1	1.7	3.5	5.7	7.7	9.2	10.2	10.4	10.0
105.5°	1.7	1.9	1.1	1.6	3.3	5.4	7.4	8.8	9.8	10.1	9.6
106°	1.7	1.9	1.1	1.6	3.1	5.1	7.0	8.5	9.5	9.7	9.3
106.5°	1.7	1.7	1.2	1.5	2.9	4.8	6.7	8.1	9.1	9.3	8.9
107°	1.7	1.7	1.2	1.5	2.7	4.6	6.4	7.8	8.7	9.0	8.6
107.5°	1.7	1.7	1.2	1.5	2.6	4.3	6.1	7.4	8.4	8.7	8.3
108°	1.7	1.7	1.3	1.4	2.4	4.1	5.8	7.1	8.0	8.3	7.9
108.5°	1.7	1.7	1.3	1.4	2.3	3.8	5.5	6.8	7.7	8.0	7.6
109°	1.8	1.8	1.3	1.4	2.1	3.6	5.2	6.5	7.4	7.7	7.3
109.5°	1.8	1.8	1.3	1.3	2.0	3.5	4.9	6.2	7.1	7.4	7.1
110°	1.8	1.8	1.4	1.3	2.0	3.3	4.7	6.0	6.8	7.1	6.8
110.5°	1.8	1.8	1.4	1.3	1.9	3.1	4.4	5.7	6.5	6.8	6.5
111°	1.8	1.8	1.4	1.3	1.8	2.9	4.2	5.4	6.3	6.5	6.3



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.8	1.8	1.6	1.4	1.7	2.5	3.6	4.7	5.5	5.7	5.5
113°	1.8	1.8	1.6	1.4	1.7	2.4	3.4	4.5	5.2	5.4	5.2
113.5°	1.9	1.8	1.7	1.5	1.7	2.3	3.2	4.2	5.0	5.2	5.0
114°	1.9	1.8	1.7	1.5	1.6	2.2	3.1	4.0	4.7	5.0	4.8
114.5°	1.9	1.8	1.8	1.5	1.6	2.1	2.9	3.8	4.5	4.7	4.6
115°	1.9	1.9	1.8	1.5	1.5	2.1	2.8	3.6	4.3	4.5	4.4
115.5°	2.0	1.9	1.9	1.6	1.5	2.0	2.7	3.5	4.1	4.3	4.2
116°	2.0	1.9	1.9	1.6	1.5	2.0	2.6	3.3	3.9	4.2	4.1
116.5°	2.0	2.0	2.0	1.6	1.5	2.0	2.5	3.2	3.7	4.0	3.9
117°	1.9	2.0	2.1	1.6	1.6	1.9	2.4	3.0	3.6	3.8	3.7
117.5°	2.0	2.1	2.3	1.7	1.6	1.9	2.4	2.9	3.4	3.7	3.6
118°	2.0	2.1	2.3	1.7	1.6	1.8	2.3	2.8	3.3	3.5	3.5
118.5°	2.0	2.1	2.4	1.7	1.6	1.8	2.2	2.7	3.2	3.4	3.4
119°	2.0	2.2	2.4	1.8	1.7	1.7	2.2	2.7	3.1	3.3	3.3
119.5°	2.0	2.2	2.3	1.8	1.7	1.7	2.2	2.6	3.0	3.2	3.2
120°	2.1	2.2	2.3	1.9	1.7	1.7	2.1	2.5	2.9	3.1	3.1
120.5°	2.1	2.2	2.2	1.9	1.7	1.7	2.0	2.4	2.8	3.1	3.0
121°	2.1	2.2	2.2	1.9	1.8	1.8	2.0	2.4	2.7	3.0	3.0
121.5°	2.1	2.2	2.3	2.0	1.8	1.8	1.9	2.3	2.7	2.9	2.9
122°	2.1	2.3	2.3	2.0	1.8	1.8	1.9	2.3	2.6	2.8	2.9
122.5°	2.1	2.3	2.4	2.1	1.9	1.8	1.8	2.2	2.6	2.8	2.8
123°	2.2	2.3	2.4	2.1	1.9	1.9	1.8	2.1	2.5	2.7	2.7
123.5°	2.2	2.3	2.4	2.2	2.0	1.9	1.8	2.1	2.5	2.7	2.7
124°	2.2	2.4	2.4	2.2	2.0	1.9	1.9	2.0	2.4	2.6	2.6
124.5°	2.2	2.4	2.5	2.3	2.0	2.0	1.9	2.0	2.3	2.6	2.6
125°	2.2	2.4	2.5	2.3	2.1	2.0	1.9	2.0	2.3	2.5	2.5
125.5°	2.3	2.4	2.5	2.4	2.1	2.0	1.9	2.0	2.2	2.5	2.5
126°	2.3	2.4	2.5	2.5	2.2	2.1	2.0	2.0	2.2	2.4	2.5
126.5°	2.3	2.4	2.5	2.6	2.2	2.1	2.0	2.1	2.2	2.4	2.5
127°	2.3	2.4	2.5	2.7	2.2	2.1	2.1	2.1	2.3	2.4	2.5
127.5°	2.4	2.4	2.5	2.7	2.3	2.1	2.1	2.1	2.3	2.5	2.6
128°	2.4	2.4	2.5	2.8	2.3	2.2	2.1	2.2	2.3	2.5	2.6
128.5°	2.4	2.4	2.5	2.9	2.3	2.2	2.2	2.2	2.4	2.5	2.6
129°	2.4	2.4	2.4	2.9	2.4	2.3	2.2	2.3	2.4	2.6	2.7
129.5°	2.4	2.4	2.4	2.9	2.5	2.3	2.3	2.3	2.5	2.6	2.7
130°	2.5	2.5	2.4	2.9	2.5	2.4	2.3	2.4	2.5	2.7	2.8
130.5°	2.5	2.5	2.4	2.9	2.6	2.4	2.4	2.5	2.6	2.7	2.8
131°	2.5	2.5	2.4	2.9	2.6	2.5	2.4	2.5	2.6	2.7	2.8
131.5°	2.5	2.5	2.5	2.9	2.7	2.5	2.5	2.6	2.7	2.8	2.9
132°	2.5	2.5	2.5	2.9	2.7	2.6	2.5	2.6	2.7	2.8	2.9
132.5°	2.5	2.5	2.5	3.0	2.8	2.6	2.6	2.7	2.8	2.9	3.0
133°	2.5	2.6	2.5	3.1	2.9	2.7	2.6	2.7	2.8	2.9	3.0
133.5°	2.5	2.6	2.6	3.1	3.1	2.7	2.7	2.8	2.8	2.9	3.1



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.6	2.6	2.6	3.2	3.3	2.9	2.9	2.9	3.0	3.1	3.2
135.5°	2.6	2.7	2.7	3.2	3.4	3.0	3.0	3.0	3.0	3.1	3.3
136°	2.5	2.7	2.7	3.1	3.4	3.1	3.0	3.0	3.1	3.2	3.3
136.5°	2.5	2.6	2.7	3.1	3.4	3.1	3.1	3.1	3.1	3.2	3.4
137°	2.5	2.6	2.8	3.1	3.4	3.2	3.1	3.1	3.2	3.3	3.4
137.5°	2.6	2.7	2.8	3.1	3.4	3.3	3.2	3.2	3.2	3.3	3.5
138°	2.6	2.8	2.8	3.0	3.4	3.4	3.2	3.2	3.3	3.4	3.5
138.5°	2.6	2.8	2.8	3.0	3.4	3.6	3.3	3.3	3.3	3.4	3.6
139°	2.6	2.8	2.9	3.0	3.5	3.7	3.3	3.3	3.4	3.4	3.6
139.5°	2.6	2.9	2.9	2.9	3.5	3.8	3.4	3.4	3.4	3.5	3.7
140°	2.6	2.9	2.9	2.9	3.5	3.8	3.4	3.4	3.4	3.6	3.7
140.5°	2.6	2.9	2.9	2.9	3.6	3.8	3.5	3.5	3.5	3.6	3.8
141°	2.6	3.0	2.9	2.9	3.6	3.8	3.6	3.5	3.5	3.7	3.9
141.5°	2.6	3.0	2.9	2.9	3.6	3.9	3.7	3.6	3.6	3.7	3.9
142°	2.6	3.0	3.0	2.9	3.6	3.9	3.8	3.6	3.6	3.8	4.0
142.5°	2.6	3.0	3.0	2.9	3.5	3.9	4.0	3.7	3.7	3.8	4.0
143°	2.6	3.0	3.0	2.9	3.5	3.9	4.1	3.7	3.8	3.9	4.1
143.5°	2.6	3.0	3.0	2.9	3.5	3.9	4.1	3.8	3.8	4.0	4.2
144°	2.6	3.0	3.0	2.9	3.4	3.9	4.1	3.9	3.9	4.1	4.3
144.5°	2.6	3.1	3.0	2.8	3.4	3.8	4.1	4.1	4.0	4.1	4.3
145°	2.6	3.1	3.1	2.8	3.4	3.9	4.1	4.2	4.0	4.2	4.4
145.5°	2.6	3.1	3.1	2.8	3.3	3.9	4.1	4.3	4.2	4.2	4.5
146°	2.6	3.1	3.1	2.8	3.3	3.9	4.1	4.4	4.3	4.3	4.6
146.5°	2.6	3.1	3.1	2.8	3.3	3.8	4.1	4.4	4.5	4.5	4.8
147°	2.6	3.1	3.1	2.8	3.2	3.8	4.0	4.3	4.6	4.6	4.9
147.5°	2.6	3.1	3.1	2.8	3.2	3.8	4.0	4.3	4.6	4.7	4.9
148°	2.6	3.1	3.1	2.8	3.1	3.8	4.0	4.3	4.5	4.7	4.9
148.5°	2.6	3.1	3.1	2.8	3.1	3.8	4.0	4.3	4.5	4.7	4.9
149°	2.6	3.1	3.1	2.8	3.1	3.7	4.0	4.3	4.5	4.7	4.9
149.5°	2.5	3.0	3.1	2.9	3.0	3.7	4.0	4.3	4.5	4.7	4.9
150°	2.6	3.0	3.1	2.9	3.0	3.6	4.0	4.2	4.5	4.7	4.9
150.5°	2.6	3.0	3.1	2.9	3.0	3.6	4.0	4.2	4.5	4.6	4.8
151°	2.4	3.0	3.1	2.9	3.0	3.5	4.0	4.2	4.4	4.6	4.7
151.5°	2.3	2.9	3.1	2.9	3.0	3.4	3.9	4.2	4.4	4.5	4.7
152°	2.3	2.9	3.1	2.9	3.0	3.4	3.9	4.2	4.4	4.5	4.8
152.5°	2.3	2.9	3.1	3.0	3.0	3.3	3.8	4.2	4.4	4.5	4.7
153°	2.3	2.9	3.1	3.0	3.0	3.3	3.7	4.1	4.4	4.5	4.7
153.5°	2.1	2.8	3.1	3.0	3.0	3.2	3.7	4.1	4.3	4.5	4.6
154°	2.0	2.7	3.1	3.0	3.0	3.2	3.6	4.0	4.2	4.4	4.5
154.5°	1.9	2.7	3.2	3.0	3.0	3.2	3.5	3.9	4.2	4.3	4.4
155°	1.9	2.7	3.2	3.1	3.0	3.1	3.5	3.9	4.1	4.2	4.3
155.5°	2.0	2.7	3.2	3.1	3.0	3.1	3.4	3.8	4.0	4.2	4.2
156°	1.9	2.7	3.2	3.1	3.1	3.1	3.3	3.7	3.9	4.1	4.1



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.7	2.7	3.2	3.1	3.1	3.1	3.2	3.5	3.7	3.8	3.8
158°	1.7	2.7	3.2	3.1	3.2	3.2	3.2	3.4	3.6	3.7	3.8
158.5°	1.7	2.7	3.2	3.2	3.2	3.2	3.2	3.3	3.5	3.6	3.7
159°	1.7	2.7	3.2	3.2	3.2	3.2	3.2	3.3	3.5	3.6	3.6
159.5°	1.7	2.6	3.1	3.2	3.3	3.2	3.2	3.3	3.4	3.5	3.5
160°	1.8	2.6	3.1	3.2	3.3	3.3	3.2	3.3	3.4	3.4	3.5
160.5°	1.8	2.6	3.1	3.2	3.3	3.3	3.2	3.3	3.3	3.4	3.4
161°	1.8	2.6	3.1	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.4
161.5°	1.8	2.6	3.0	3.2	3.3	3.4	3.3	3.3	3.3	3.4	3.4
162°	1.8	2.5	3.0	3.2	3.4	3.4	3.3	3.3	3.3	3.3	3.4
162.5°	1.8	2.5	3.0	3.2	3.4	3.4	3.4	3.3	3.3	3.3	3.4
163°	1.8	2.4	3.0	3.2	3.4	3.4	3.4	3.4	3.3	3.4	3.4
163.5°	1.8	2.4	3.0	3.2	3.4	3.5	3.4	3.4	3.4	3.4	3.4
164°	1.8	2.3	3.0	3.2	3.4	3.5	3.4	3.4	3.4	3.4	3.5
164.5°	1.8	2.2	3.0	3.2	3.4	3.5	3.5	3.4	3.4	3.4	3.5
165°	1.8	2.1	3.0	3.2	3.4	3.5	3.5	3.5	3.4	3.4	3.5
165.5°	1.8	2.2	2.9	3.1	3.4	3.5	3.5	3.5	3.5	3.5	3.5
166°	1.8	2.2	3.0	3.1	3.4	3.5	3.5	3.5	3.5	3.5	3.5
166.5°	1.9	2.2	3.0	3.1	3.4	3.5	3.5	3.6	3.5	3.5	3.6
167°	1.9	2.2	2.9	3.1	3.4	3.5	3.6	3.6	3.6	3.5	3.6
167.5°	1.9	2.3	2.7	3.1	3.3	3.5	3.6	3.6	3.6	3.6	3.6
168°	1.9	2.3	2.8	2.9	3.3	3.5	3.6	3.6	3.6	3.6	3.6
168.5°	1.9	2.2	2.9	2.8	3.4	3.5	3.6	3.6	3.7	3.6	3.7
169°	1.9	2.0	2.7	3.0	3.3	3.5	3.6	3.7	3.7	3.7	3.7
169.5°	2.0	2.2	2.4	3.1	3.0	3.4	3.6	3.7	3.7	3.7	3.7
170°	2.1	2.4	2.5	2.9	3.0	3.3	3.6	3.7	3.7	3.7	3.7
170.5°	2.3	2.4	2.8	2.8	3.3	3.4	3.6	3.7	3.7	3.7	3.7
171°	2.6	2.4	2.8	2.9	3.2	3.3	3.5	3.6	3.7	3.7	3.7
171.5°	2.6	2.7	2.6	2.9	2.8	3.0	3.4	3.6	3.6	3.6	3.6
172°	2.7	2.7	2.7	2.8	2.9	2.9	3.4	3.6	3.6	3.6	3.6
172.5°	2.8	2.8	2.8	2.7	3.0	3.2	3.3	3.5	3.5	3.5	3.6
173°	2.8	2.8	2.8	2.8	2.8	3.1	3.3	3.4	3.5	3.5	3.5
173.5°	2.8	2.8	2.9	2.8	2.9	2.9	3.3	3.4	3.4	3.4	3.5
174°	2.9	2.9	3.0	2.7	2.9	3.1	3.1	3.4	3.4	3.4	3.4
174.5°	3.0	3.0	3.0	2.9	2.7	2.9	3.0	3.2	3.4	3.4	3.4
175°	3.0	3.1	3.1	2.9	2.7	2.8	3.1	3.3	3.4	3.3	3.4
175.5°	3.1	3.1	3.1	3.0	2.8	2.8	3.0	3.3	3.4	3.3	3.3
176°	3.1	3.1	3.1	3.0	2.7	2.7	2.8	3.2	3.4	3.4	3.3
176.5°	3.1	3.1	3.1	3.1	2.9	2.7	2.9	3.1	3.3	3.3	3.3
177°	3.1	3.1	3.2	3.1	2.9	2.7	2.9	3.1	3.2	3.2	3.2
177.5°	3.1	3.1	3.1	3.0	2.8	2.7	2.8	3.0	3.1	3.2	3.1
178°	3.1	3.1	3.1	3.0	2.8	2.7	2.7	2.8	3.0	3.2	3.0
178.5°	3.1	3.1	3.1	2.9	2.7	2.5	2.5	2.8	3.0	3.1	3.0



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5
0.5°	1658.8	1658.7	1658.6	1658.5	1658.3	1658.1	1657.9	1657.8	1657.8	1657.8	1657.8
1°	1658.8	1659.0	1659.2	1659.4	1659.2	1658.8	1658.4	1658.0	1657.6	1657.4	1657.4
1.5°	1659.3	1659.1	1658.7	1657.9	1657.3	1657.3	1657.3	1657.1	1656.8	1656.5	1656.5
2°	1659.2	1658.0	1656.5	1656.6	1656.5	1655.9	1655.7	1655.8	1655.4	1655.3	1655.3
2.5°	1657.9	1657.7	1657.9	1656.8	1656.7	1656.4	1655.4	1655.2	1654.9	1654.7	1654.3
3°	1657.2	1656.9	1656.5	1655.8	1655.8	1655.4	1655.1	1654.5	1653.2	1652.1	1652.4
3.5°	1655.9	1655.5	1655.5	1655.6	1654.8	1653.5	1653.3	1653.6	1651.6	1650.9	1650.6
4°	1655.5	1654.8	1654.1	1654.2	1653.9	1653.1	1651.9	1652.2	1651.1	1649.8	1648.7
4.5°	1652.5	1653.5	1651.9	1652.8	1652.9	1651.7	1650.4	1649.6	1649.1	1648.0	1647.1
5°	1651.8	1651.8	1651.5	1650.7	1651.1	1650.4	1649.3	1648.3	1647.6	1646.6	1644.5
5.5°	1650.9	1650.2	1649.9	1648.9	1649.3	1648.1	1647.9	1646.7	1646.1	1644.9	1642.6
6°	1649.0	1648.2	1647.5	1647.1	1646.9	1646.3	1645.9	1644.7	1643.7	1642.9	1639.9
6.5°	1646.7	1646.0	1645.6	1645.0	1644.5	1645.2	1644.1	1642.6	1640.8	1640.6	1637.7
7°	1644.6	1643.5	1644.1	1643.0	1642.7	1642.8	1642.0	1640.0	1638.2	1637.5	1635.4
7.5°	1641.8	1641.1	1641.3	1641.3	1640.0	1640.1	1639.1	1638.1	1635.5	1635.1	1633.2
8°	1639.2	1638.9	1638.4	1638.6	1638.0	1638.1	1635.9	1634.9	1633.0	1632.4	1629.7
8.5°	1635.9	1636.0	1635.5	1635.2	1635.6	1634.7	1634.5	1632.3	1631.2	1629.1	1626.8
9°	1632.6	1633.0	1632.6	1632.5	1633.0	1631.6	1631.1	1630.0	1627.4	1625.8	1623.7
9.5°	1629.9	1630.0	1629.1	1629.3	1629.4	1629.2	1627.5	1626.2	1623.6	1622.3	1619.6
10°	1626.2	1626.4	1625.7	1626.6	1626.1	1624.7	1624.8	1623.2	1620.6	1618.9	1616.0
10.5°	1622.6	1623.0	1621.5	1623.2	1622.7	1621.8	1621.8	1620.1	1617.7	1614.7	1612.6
11°	1618.1	1619.5	1618.8	1620.0	1619.4	1618.9	1618.4	1616.6	1613.7	1610.7	1608.2
11.5°	1613.9	1615.4	1614.5	1615.6	1615.6	1615.7	1614.4	1612.3	1609.4	1607.2	1603.8
12°	1609.8	1610.7	1610.4	1611.2	1612.1	1611.3	1610.5	1608.5	1605.9	1603.5	1599.6
12.5°	1605.5	1606.6	1606.5	1606.8	1608.2	1607.2	1606.4	1604.7	1602.2	1598.5	1595.7
13°	1600.9	1602.0	1601.5	1602.1	1603.3	1602.8	1602.6	1600.7	1598.4	1594.0	1591.3
13.5°	1595.7	1596.4	1596.4	1597.9	1598.7	1598.4	1598.2	1596.3	1593.1	1589.3	1585.7
14°	1590.2	1591.4	1592.2	1593.5	1594.3	1594.0	1593.7	1592.3	1588.4	1584.7	1580.7
14.5°	1584.8	1586.1	1587.2	1588.4	1589.7	1589.6	1589.1	1587.4	1584.4	1579.5	1575.5
15°	1579.2	1581.3	1581.8	1583.4	1585.4	1584.5	1584.5	1582.1	1579.7	1573.8	1570.2
15.5°	1573.4	1576.2	1576.9	1578.5	1580.4	1579.2	1579.8	1577.1	1574.1	1568.9	1564.9
16°	1567.2	1569.9	1571.2	1572.8	1574.7	1574.5	1574.5	1572.5	1568.7	1564.3	1559.6
16.5°	1561.3	1564.2	1565.4	1567.1	1568.9	1569.4	1568.9	1567.6	1563.9	1558.8	1553.5
17°	1554.9	1557.6	1559.2	1561.2	1563.7	1563.7	1563.5	1562.2	1558.2	1552.8	1547.0
17.5°	1548.4	1551.7	1553.4	1555.3	1558.4	1558.5	1559.0	1556.4	1552.4	1547.1	1541.1
18°	1542.0	1544.5	1547.3	1550.0	1552.3	1552.4	1552.8	1550.3	1546.2	1541.1	1534.5
18.5°	1534.9	1537.2	1541.1	1543.5	1546.3	1546.1	1546.1	1544.7	1540.4	1534.4	1527.7
19°	1527.4	1530.2	1534.0	1536.5	1540.1	1540.5	1540.5	1538.7	1534.8	1527.9	1521.4
19.5°	1520.0	1523.2	1527.0	1530.4	1533.4	1533.9	1534.3	1532.4	1528.3	1521.6	1514.4
20°	1513.3	1516.8	1520.3	1523.7	1526.7	1527.9	1527.9	1526.3	1521.9	1515.0	1507.5
20.5°	1505.7	1509.1	1513.4	1516.3	1520.5	1521.1	1521.2	1520.0	1515.5	1508.3	1500.4
21°	1497.6	1502.1	1505.5	1509.2	1513.1	1514.9	1514.8	1513.0	1508.6	1500.9	1493.2



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1473.0	1477.1	1482.3	1487.7	1491.7	1494.0	1494.0	1491.7	1487.3	1478.8	1471.0
23°	1464.4	1468.9	1474.6	1479.7	1484.2	1486.4	1486.6	1484.2	1480.0	1471.8	1462.5
23.5°	1455.7	1460.5	1466.2	1471.2	1477.0	1479.4	1479.6	1477.3	1472.4	1464.6	1454.6
24°	1446.4	1452.3	1457.5	1463.5	1468.8	1471.5	1471.9	1470.0	1465.0	1456.7	1446.6
24.5°	1437.4	1443.1	1449.3	1455.1	1460.7	1463.8	1464.7	1462.3	1457.1	1448.5	1438.3
25°	1428.7	1434.0	1440.8	1446.8	1452.5	1456.1	1457.2	1454.6	1449.2	1440.1	1429.6
25.5°	1419.2	1425.2	1431.7	1437.9	1444.1	1447.9	1448.8	1446.4	1441.1	1431.9	1421.4
26°	1409.6	1416.0	1422.8	1429.0	1435.9	1439.5	1440.3	1438.8	1433.1	1423.4	1412.5
26.5°	1400.0	1406.1	1413.4	1420.2	1427.7	1431.6	1432.2	1430.4	1424.4	1415.1	1403.7
27°	1389.8	1396.8	1404.1	1411.4	1418.4	1422.8	1423.8	1421.6	1416.2	1406.4	1394.7
27.5°	1380.0	1386.6	1394.7	1402.1	1410.1	1414.0	1415.0	1413.2	1407.6	1397.6	1385.4
28°	1369.5	1377.1	1384.5	1393.2	1400.8	1404.8	1406.2	1404.6	1398.7	1388.7	1375.9
28.5°	1359.3	1366.7	1375.2	1383.7	1391.2	1396.2	1397.6	1396.0	1389.9	1379.5	1367.1
29°	1348.7	1356.5	1365.5	1373.5	1382.5	1387.7	1389.0	1386.8	1380.8	1370.4	1357.3
29.5°	1337.6	1345.4	1355.2	1363.8	1372.9	1377.7	1380.2	1377.8	1371.3	1361.0	1347.3
30°	1327.3	1335.5	1345.1	1354.4	1363.2	1369.3	1370.2	1368.6	1361.8	1351.4	1337.8
30.5°	1316.4	1323.9	1334.7	1344.7	1353.4	1359.5	1360.6	1358.7	1353.3	1341.7	1327.7
31°	1304.4	1313.9	1324.4	1334.1	1343.9	1349.3	1351.7	1350.1	1343.4	1331.6	1317.8
31.5°	1293.1	1302.9	1313.7	1323.5	1334.2	1340.0	1341.9	1340.0	1333.2	1322.3	1307.7
32°	1281.9	1291.5	1302.7	1313.6	1323.5	1329.9	1331.7	1330.4	1324.1	1312.2	1297.3
32.5°	1270.4	1280.7	1292.2	1302.9	1313.1	1320.1	1322.1	1320.8	1313.7	1302.1	1287.1
33°	1258.8	1268.9	1281.3	1292.3	1303.5	1309.6	1312.4	1310.4	1303.9	1292.0	1276.1
33.5°	1247.0	1257.6	1269.9	1281.9	1292.6	1299.6	1301.7	1300.7	1293.7	1281.3	1265.5
34°	1235.2	1246.0	1258.7	1270.8	1281.4	1289.2	1291.6	1290.9	1283.5	1271.0	1254.9
34.5°	1223.7	1234.2	1247.3	1259.6	1271.1	1279.1	1281.5	1280.2	1272.6	1260.8	1245.3
35°	1211.4	1222.0	1235.7	1248.2	1260.6	1268.1	1271.2	1269.7	1262.5	1250.0	1234.9
35.5°	1198.6	1210.7	1224.1	1237.0	1249.5	1256.8	1260.4	1259.1	1252.0	1240.0	1223.2
36°	1186.2	1198.4	1212.4	1226.1	1238.0	1246.7	1249.8	1248.9	1241.6	1228.5	1211.5
36.5°	1174.0	1185.9	1200.8	1214.9	1227.1	1236.0	1239.2	1238.3	1230.3	1217.2	1199.9
37°	1161.5	1174.0	1188.8	1202.4	1216.4	1225.2	1228.1	1227.1	1219.1	1205.9	1188.3
37.5°	1149.3	1161.5	1176.8	1191.3	1204.7	1213.9	1217.0	1215.8	1207.9	1194.6	1176.7
38°	1136.5	1149.5	1165.1	1179.9	1193.6	1202.3	1205.8	1204.6	1196.7	1183.3	1165.2
38.5°	1124.2	1136.5	1153.1	1167.8	1181.0	1190.7	1194.7	1193.4	1185.5	1171.9	1153.3
39°	1111.4	1124.5	1140.6	1155.7	1169.8	1179.1	1183.1	1181.9	1174.0	1160.3	1141.8
39.5°	1098.9	1111.8	1128.2	1143.7	1158.0	1167.6	1171.3	1170.1	1162.2	1149.0	1129.6
40°	1085.7	1098.9	1115.7	1131.7	1146.2	1156.2	1160.0	1158.6	1150.9	1137.0	1117.9
40.5°	1072.4	1086.3	1102.8	1120.0	1133.9	1144.5	1148.3	1146.7	1139.2	1125.4	1106.1
41°	1059.2	1073.1	1090.5	1107.1	1122.3	1132.1	1136.2	1135.2	1127.4	1113.9	1094.1
41.5°	1046.8	1060.6	1078.0	1094.7	1109.7	1120.3	1124.6	1123.4	1115.9	1101.3	1081.5
42°	1034.0	1048.4	1065.4	1082.4	1097.6	1108.0	1112.1	1111.9	1103.5	1088.8	1069.3
42.5°	1021.1	1035.3	1052.9	1070.0	1085.1	1095.9	1100.3	1099.6	1091.7	1077.1	1056.7
43°	1008.1	1021.5	1039.8	1057.5	1073.0	1084.6	1088.1	1087.4	1079.3	1065.1	1045.5
43.5°	994.5	1009.2	1027.3	1044.9	1060.9	1071.6	1076.0	1075.2	1066.9	1052.7	1032.7



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CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	955.7	970.2	988.7	1006.7	1023.6	1034.5	1038.6	1038.2	1030.2	1015.1	994.9
45.5°	942.1	956.8	975.8	994.1	1010.2	1021.3	1026.5	1025.8	1017.2	1002.5	982.2
46°	928.9	943.5	962.8	981.0	997.4	1009.3	1013.5	1013.0	1004.4	990.2	969.5
46.5°	915.7	930.9	949.2	968.0	984.3	996.1	1000.7	1000.1	991.9	977.5	957.0
47°	902.8	917.2	936.3	955.4	972.1	983.9	988.4	987.4	979.0	964.5	944.0
47.5°	889.6	905.0	923.3	942.2	959.3	971.2	974.9	974.7	966.5	951.7	931.2
48°	876.5	891.1	910.2	929.1	946.2	958.2	962.2	961.5	953.7	939.1	918.4
48.5°	863.6	878.3	897.8	916.5	932.6	944.7	949.1	948.8	940.7	926.1	905.1
49°	850.3	865.5	884.8	903.3	920.5	932.0	936.4	936.1	928.1	913.0	892.6
49.5°	837.7	852.6	871.6	890.1	906.8	919.5	923.9	923.0	914.9	900.0	879.9
50°	824.8	839.0	858.5	876.7	894.5	906.3	910.8	910.1	901.9	887.4	866.7
50.5°	811.9	826.3	845.3	864.2	881.1	893.3	897.6	896.9	889.1	874.1	853.4
51°	798.7	813.3	832.4	851.4	868.3	879.9	884.2	883.7	875.4	861.0	840.6
51.5°	786.2	801.1	819.2	838.2	854.8	867.3	871.0	870.6	862.6	848.3	827.5
52°	773.5	787.6	806.4	824.8	842.0	853.2	858.2	857.5	849.5	834.6	814.4
52.5°	761.0	774.9	793.4	811.8	828.7	840.5	845.2	845.5	836.2	821.3	801.4
53°	748.3	762.2	780.3	799.0	815.8	827.1	832.8	832.2	822.9	808.3	788.5
53.5°	735.6	749.8	767.7	785.8	802.7	814.3	820.8	817.5	809.7	795.6	775.4
54°	723.0	736.0	755.1	772.7	789.6	800.8	806.6	804.1	796.1	782.0	762.6
54.5°	710.8	723.9	741.9	759.8	775.9	788.0	791.9	791.0	783.0	769.1	749.7
55°	697.9	711.6	729.2	746.9	763.1	774.5	778.6	777.4	769.6	755.8	736.4
55.5°	685.3	699.1	716.8	734.0	749.6	761.3	764.8	763.8	756.0	742.5	723.2
56°	673.0	686.3	703.9	720.8	736.5	747.4	751.5	752.0	743.1	729.2	710.3
56.5°	660.9	673.9	691.0	707.9	723.5	734.1	738.9	738.4	729.9	716.0	697.3
57°	649.0	661.4	678.0	695.2	710.3	721.0	727.1	723.3	716.8	702.9	684.3
57.5°	636.7	649.4	665.4	682.7	697.1	707.9	713.0	710.3	702.4	689.5	671.4
58°	624.5	637.0	653.3	669.7	683.7	694.6	697.5	696.8	689.2	676.3	658.3
58.5°	612.8	624.6	640.4	656.3	670.5	680.9	684.3	683.7	675.7	663.5	645.2
59°	601.1	612.4	627.6	643.2	657.8	667.6	671.1	670.4	662.7	649.9	632.1
59.5°	588.9	600.6	615.2	630.5	644.8	655.1	658.8	655.9	648.9	636.5	619.6
60°	577.4	588.7	602.9	618.1	632.6	641.9	644.9	642.6	635.6	623.5	606.1
60.5°	565.8	576.6	590.8	605.3	619.9	627.8	630.1	629.3	621.7	610.1	593.5
61°	554.1	564.6	578.8	592.8	606.0	613.8	616.3	615.9	608.6	596.7	580.6
61.5°	542.5	552.6	566.4	580.7	592.4	601.0	603.4	601.9	594.7	583.3	567.4
62°	530.8	540.5	554.1	567.9	583.3	589.1	590.9	588.6	581.2	570.5	554.6
62.5°	519.1	528.5	541.7	555.5	569.4	584.8	573.6	574.7	568.1	557.3	541.6
63°	507.5	516.9	529.2	542.5	556.7	568.5	560.3	561.6	554.8	544.0	529.4
63.5°	496.6	505.4	516.9	529.3	542.2	552.8	547.4	547.8	540.8	531.0	516.6
64°	485.6	494.0	504.9	516.4	527.8	537.1	534.3	534.0	527.7	517.9	503.8
64.5°	474.4	482.3	493.1	504.1	514.5	521.4	521.2	520.6	514.4	504.6	490.9
65°	463.4	471.1	481.5	491.9	501.3	507.4	507.9	507.4	501.2	491.5	478.8
65.5°	452.5	460.0	469.6	479.5	488.4	493.9	495.1	493.7	487.7	478.5	465.9
66°	441.5	448.8	457.7	467.5	475.6	481.9	481.8	480.2	474.5	465.6	453.2



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	410.0	415.5	423.7	431.4	438.0	441.6	441.2	440.1	434.7	426.8	416.2
68°	399.3	404.8	412.3	419.3	425.3	428.9	427.8	426.9	421.4	413.8	403.4
68.5°	388.9	393.9	400.6	407.3	412.8	415.7	415.0	413.4	407.9	400.8	391.4
69°	378.5	382.9	389.5	395.3	400.1	402.9	401.6	400.0	394.7	388.3	379.0
69.5°	367.9	372.1	378.3	383.7	388.2	390.3	388.6	386.4	381.8	375.6	367.2
70°	357.5	361.7	367.2	372.2	375.9	377.1	375.0	373.5	368.8	362.8	354.9
70.5°	347.7	351.3	356.3	360.5	363.6	364.1	362.0	360.3	355.4	350.4	342.7
71°	337.9	341.0	345.4	349.1	351.4	351.6	348.8	347.3	342.9	337.5	330.6
71.5°	327.7	330.8	334.4	337.4	339.3	338.8	335.9	334.1	329.8	325.1	318.9
72°	317.8	320.4	323.6	326.1	327.3	326.3	323.1	321.1	316.8	312.6	307.1
72.5°	308.1	310.0	312.9	314.7	315.6	314.0	310.2	308.0	303.9	300.4	295.4
73°	298.2	299.8	302.2	303.6	303.8	301.4	297.4	295.0	291.2	288.0	283.5
73.5°	288.7	289.8	291.7	292.5	292.1	289.2	284.7	282.3	278.7	275.9	272.1
74°	279.4	280.1	281.6	281.7	280.3	277.0	272.0	269.6	266.3	263.7	260.5
74.5°	269.9	270.4	271.2	270.7	268.7	264.9	259.4	256.7	253.8	251.5	249.4
75°	260.5	260.5	260.8	259.5	257.1	252.8	247.1	244.2	241.5	239.8	238.2
75.5°	251.4	251.0	250.7	249.0	245.9	240.9	234.8	231.8	229.1	228.2	227.2
76°	242.3	241.6	240.7	238.4	234.8	229.1	222.6	219.5	217.1	216.5	216.0
76.5°	233.4	232.1	230.8	227.7	223.7	217.5	210.3	207.1	205.1	205.1	205.4
77°	224.4	222.8	221.2	217.9	212.6	205.9	198.6	195.1	193.4	193.7	194.7
77.5°	215.6	213.8	211.5	207.5	201.8	194.4	186.7	183.3	181.5	182.8	184.4
78°	207.1	204.9	201.9	197.4	191.1	183.3	175.2	171.5	170.1	171.6	173.6
78.5°	198.6	196.0	192.7	187.7	180.8	172.3	163.8	160.0	158.8	160.8	163.8
79°	190.3	187.4	183.5	177.9	170.5	161.5	152.7	149.1	148.1	150.8	154.4
79.5°	182.1	178.8	174.5	168.1	160.5	150.8	141.4	138.2	137.5	140.8	145.0
80°	173.9	170.4	165.7	158.9	150.4	140.2	130.7	127.3	126.8	130.8	135.6
80.5°	166.0	162.2	157.0	149.4	140.6	130.2	120.3	116.4	116.2	120.8	126.2
81°	158.5	154.2	148.5	140.7	131.2	120.3	110.1	106.0	106.1	110.8	116.8
81.5°	150.9	146.3	140.2	131.8	122.1	110.7	100.0	95.4	96.4	101.4	108.0
82°	143.3	138.5	132.2	123.5	112.9	101.2	90.4	85.7	86.7	92.2	99.4
82.5°	136.0	131.1	124.4	115.0	104.2	92.1	81.2	76.5	77.5	83.6	91.3
83°	129.1	123.8	116.7	107.2	95.8	83.3	72.2	67.4	68.9	75.3	83.4
83.5°	122.2	116.8	109.4	99.5	87.7	75.0	63.7	58.9	60.8	67.2	75.9
84°	115.5	110.0	102.3	92.0	79.9	66.9	55.6	50.7	52.6	59.6	68.7
84.5°	109.2	103.3	95.3	84.6	72.4	59.2	48.7	43.0	45.1	52.3	61.9
85°	102.8	96.8	88.5	77.9	65.4	53.0	41.8	35.7	37.9	45.6	55.5
85.5°	96.6	90.5	82.1	71.4	58.8	46.8	35.0	29.0	31.4	39.4	49.5
86°	90.8	84.6	76.1	65.2	53.3	40.6	28.1	24.1	25.5	33.7	43.9
86.5°	85.2	79.0	70.2	59.3	47.9	34.4	22.2	19.2	21.5	28.4	38.7
87°	79.7	73.4	64.6	54.6	42.5	28.2	17.1	14.3	17.5	23.9	33.9
87.5°	74.5	68.0	59.5	49.7	37.1	23.4	12.8	9.4	13.6	20.8	29.5
88°	69.4	63.1	55.0	44.9	31.7	19.2	9.2	4.6	9.6	17.8	25.6
88.5°	64.7	58.1	50.7	40.0	27.5	15.7	6.4	2.1	5.9	14.8	22.3



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	52.4	46.3	37.9	27.9	17.5	8.1	2.9	0.6	2.5	7.4	15.6
90.5°	48.7	42.4	34.3	24.8	15.0	6.6	1.7	0.5	2.1	6.3	13.8
91°	45.0	38.9	31.1	22.0	12.8	5.8	1.3	0.3	1.8	5.6	12.0
91.5°	41.4	35.7	28.1	19.5	11.1	5.1	1.0	0.2	1.6	5.0	10.2
92°	38.2	32.6	25.4	17.4	9.7	4.4	0.8	0.3	1.5	4.7	9.3
92.5°	35.2	29.8	23.0	15.4	8.5	3.6	0.7	0.3	1.4	4.4	8.6
93°	32.5	27.4	20.9	13.8	7.6	3.2	0.6	0.4	1.2	4.1	8.1
93.5°	30.0	25.1	18.9	12.5	6.9	2.9	0.5	0.5	1.1	3.9	7.7
94°	27.7	23.0	17.2	11.3	6.4	2.7	0.5	0.5	1.1	3.8	7.3
94.5°	25.6	21.1	15.7	10.4	6.0	2.5	0.5	0.6	1.1	3.7	7.0
95°	23.6	19.4	14.5	9.6	5.7	2.3	0.6	0.6	1.1	3.7	6.7
95.5°	21.9	17.9	13.4	9.0	5.3	2.1	0.7	0.7	1.1	3.6	6.5
96°	20.3	16.6	12.5	8.6	4.9	1.9	0.8	0.8	1.1	3.5	6.4
96.5°	18.9	15.6	11.8	8.1	4.6	1.8	0.9	0.9	1.1	3.4	6.2
97°	17.7	14.6	11.2	7.7	4.4	1.7	0.9	1.0	1.1	3.2	6.1
97.5°	16.6	13.8	10.6	7.4	4.1	1.6	1.0	1.1	1.1	3.1	6.1
98°	15.7	13.1	10.2	7.0	3.9	1.5	1.1	1.2	1.1	3.0	6.0
98.5°	14.9	12.5	9.8	6.7	3.7	1.5	1.2	1.3	1.2	3.0	5.9
99°	14.2	12.0	9.4	6.3	3.5	1.4	1.3	1.4	1.3	3.0	5.8
99.5°	13.7	11.6	8.9	6.0	3.3	1.4	1.3	1.6	1.4	3.0	5.7
100°	13.2	11.1	8.6	5.7	3.1	1.4	1.4	1.7	1.5	2.9	5.5
100.5°	12.7	10.7	8.2	5.4	3.0	1.4	1.5	1.8	1.6	2.9	5.3
101°	12.2	10.3	7.8	5.1	2.8	1.4	1.6	2.0	1.7	2.8	5.2
101.5°	11.8	9.9	7.5	4.9	2.6	1.4	1.6	2.0	1.8	2.8	5.1
102°	11.3	9.5	7.2	4.6	2.5	1.4	1.7	2.1	1.9	2.7	5.0
102.5°	10.9	9.1	6.9	4.4	2.3	1.4	1.8	2.2	2.0	2.6	4.9
103°	10.5	8.7	6.6	4.2	2.2	1.5	2.0	2.2	2.0	2.5	4.8
103.5°	10.1	8.4	6.3	4.0	2.1	1.6	2.0	2.3	2.1	2.4	4.7
104°	9.7	8.0	6.0	3.8	2.1	1.7	2.1	2.3	2.2	2.4	4.6
104.5°	9.3	7.7	5.8	3.6	2.1	1.8	2.2	2.4	2.3	2.4	4.5
105°	9.0	7.4	5.5	3.4	2.1	1.9	2.4	2.5	2.3	2.3	4.4
105.5°	8.6	7.1	5.2	3.3	2.0	1.9	2.7	2.6	2.4	2.3	4.2
106°	8.3	6.8	5.0	3.1	2.0	2.0	3.1	2.6	2.5	2.3	4.1
106.5°	7.9	6.5	4.8	3.0	2.0	2.0	3.3	2.7	2.7	2.3	3.9
107°	7.6	6.3	4.6	2.9	2.0	2.0	3.6	2.8	3.1	2.2	3.8
107.5°	7.3	6.0	4.4	2.8	2.0	2.1	3.7	2.8	3.3	2.2	3.7
108°	7.0	5.7	4.1	2.7	2.0	2.1	3.6	2.8	3.3	2.2	3.6
108.5°	6.7	5.5	4.0	2.6	2.0	2.2	3.6	2.9	3.2	2.3	3.4
109°	6.5	5.2	3.8	2.5	2.1	2.3	3.5	2.9	3.2	2.3	3.3
109.5°	6.2	5.0	3.6	2.4	2.2	2.4	3.4	3.0	3.2	2.4	3.3
110°	6.0	4.8	3.5	2.3	2.2	2.4	3.4	3.0	3.3	2.5	3.2
110.5°	5.7	4.5	3.3	2.3	2.2	2.5	3.4	3.0	3.4	2.5	3.1
111°	5.5	4.3	3.2	2.3	2.3	2.6	3.4	3.1	3.5	2.6	3.1



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	4.8	3.8	2.8	2.2	2.3	3.0	3.5	3.2	3.7	2.8	3.0
113°	4.6	3.7	2.7	2.2	2.4	3.2	3.5	3.2	3.8	2.8	2.9
113.5°	4.4	3.5	2.7	2.2	2.4	3.3	3.6	3.2	3.9	2.9	2.8
114°	4.2	3.4	2.6	2.3	2.5	3.5	3.6	3.3	3.9	2.9	2.8
114.5°	4.1	3.3	2.6	2.3	2.6	3.7	3.7	3.3	4.0	3.0	2.6
115°	3.9	3.2	2.6	2.3	2.7	3.8	3.7	3.3	4.0	3.0	2.5
115.5°	3.8	3.2	2.6	2.4	2.8	3.9	3.7	3.3	4.0	3.1	2.5
116°	3.6	3.1	2.6	2.5	2.9	4.1	3.8	3.3	4.1	3.1	2.6
116.5°	3.5	3.1	2.5	2.6	3.0	4.2	3.8	3.3	4.1	3.2	2.6
117°	3.4	3.0	2.5	2.6	3.1	4.3	3.9	3.3	4.2	3.3	2.7
117.5°	3.3	2.9	2.5	2.7	3.2	4.3	3.9	3.3	4.2	3.4	2.7
118°	3.2	2.9	2.5	2.8	3.3	4.3	4.0	3.3	4.2	3.4	2.8
118.5°	3.1	2.8	2.5	2.9	3.4	4.5	4.0	3.3	4.3	3.5	2.8
119°	3.1	2.8	2.5	2.9	3.5	4.7	4.1	3.3	4.3	3.6	2.9
119.5°	3.0	2.7	2.6	3.0	3.5	4.8	4.1	3.3	4.3	3.7	2.9
120°	2.9	2.7	2.6	3.1	3.6	4.9	4.1	3.3	4.3	3.8	3.1
120.5°	2.9	2.6	2.6	3.2	3.7	5.0	4.2	3.3	4.4	3.9	3.1
121°	2.8	2.6	2.7	3.2	3.8	5.1	4.2	3.3	4.4	4.0	3.2
121.5°	2.8	2.6	2.8	3.3	3.8	5.1	4.2	3.3	4.4	4.0	3.2
122°	2.7	2.6	2.8	3.3	3.9	5.2	4.2	3.3	4.4	4.0	3.3
122.5°	2.7	2.6	2.9	3.4	4.1	5.1	4.1	3.3	4.4	3.9	3.3
123°	2.6	2.6	3.0	3.5	4.2	5.0	4.1	3.3	4.5	4.0	3.4
123.5°	2.6	2.6	3.0	3.5	4.2	4.9	4.1	3.3	4.5	4.0	3.4
124°	2.6	2.7	3.1	3.6	4.3	4.8	4.0	3.3	4.5	4.1	3.5
124.5°	2.6	2.7	3.2	3.6	4.4	4.8	4.0	3.3	4.5	4.1	3.5
125°	2.6	2.8	3.2	3.7	4.6	4.7	4.0	3.3	4.5	4.2	3.6
125.5°	2.6	2.8	3.3	3.8	4.7	4.7	3.9	3.3	4.5	4.2	3.6
126°	2.6	2.9	3.3	3.8	4.9	4.6	3.9	3.4	4.5	4.2	3.7
126.5°	2.6	2.9	3.4	3.9	5.0	4.6	3.9	3.4	4.5	4.3	3.7
127°	2.7	3.0	3.5	4.0	5.0	4.5	3.9	3.4	4.5	4.3	3.7
127.5°	2.7	3.0	3.5	4.1	5.0	4.5	3.9	3.4	4.5	4.4	3.8
128°	2.8	3.1	3.6	4.2	5.1	4.5	3.9	3.4	4.5	4.4	3.8
128.5°	2.8	3.1	3.6	4.2	5.2	4.4	3.8	3.4	4.5	4.4	3.9
129°	2.8	3.2	3.7	4.3	5.3	4.4	3.8	3.4	4.5	4.4	4.1
129.5°	2.9	3.2	3.7	4.4	5.3	4.4	3.8	3.4	4.5	4.4	4.2
130°	2.9	3.3	3.8	4.5	5.4	4.4	3.8	3.4	4.5	4.4	4.3
130.5°	3.0	3.3	3.9	4.6	5.4	4.4	3.8	3.5	4.5	4.5	4.3
131°	3.1	3.4	3.9	4.7	5.5	4.4	3.8	3.5	4.5	4.5	4.3
131.5°	3.1	3.5	4.0	4.7	5.5	4.4	3.8	3.5	4.5	4.5	4.2
132°	3.1	3.5	4.1	4.8	5.5	4.4	3.8	3.5	4.5	4.6	4.2
132.5°	3.2	3.6	4.1	5.0	5.5	4.4	3.8	3.5	4.5	4.6	4.2
133°	3.2	3.6	4.2	5.1	5.5	4.3	3.8	3.5	4.5	4.6	4.2
133.5°	3.3	3.7	4.3	5.2	5.5	4.3	3.8	3.5	4.4	4.6	4.2



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	3.5	3.9	4.5	5.5	5.3	4.3	3.8	3.5	4.4	4.7	4.2
135.5°	3.5	4.0	4.6	5.5	5.3	4.3	3.8	3.5	4.4	4.7	4.2
136°	3.6	4.0	4.7	5.5	5.2	4.2	3.8	3.5	4.4	4.7	4.2
136.5°	3.6	4.1	4.7	5.6	5.2	4.2	3.8	3.5	4.4	4.6	4.3
137°	3.7	4.1	4.8	5.6	5.1	4.2	3.9	3.5	4.3	4.6	4.3
137.5°	3.7	4.2	4.9	5.7	5.0	4.2	3.9	3.5	4.3	4.6	4.3
138°	3.8	4.3	5.0	5.7	5.0	4.3	3.9	3.5	4.3	4.6	4.3
138.5°	3.9	4.4	5.1	5.7	4.9	4.2	3.9	3.5	4.1	4.6	4.3
139°	3.9	4.5	5.2	5.7	4.8	4.2	3.9	3.5	4.1	4.6	4.3
139.5°	4.0	4.5	5.3	5.7	4.8	4.2	3.9	3.5	4.1	4.6	4.3
140°	4.1	4.6	5.3	5.7	4.7	4.2	4.0	3.5	4.2	4.6	4.4
140.5°	4.1	4.6	5.4	5.6	4.6	4.3	3.9	3.5	4.2	4.7	4.4
141°	4.2	4.7	5.4	5.6	4.6	4.3	3.9	3.5	4.2	4.7	4.3
141.5°	4.3	4.8	5.5	5.5	4.5	4.3	3.9	3.5	4.2	4.7	4.3
142°	4.3	4.9	5.5	5.4	4.4	4.3	4.0	3.4	4.2	4.7	4.3
142.5°	4.4	5.0	5.6	5.3	4.4	4.3	3.9	3.3	4.1	4.7	4.3
143°	4.4	5.2	5.6	5.2	4.3	4.3	3.9	3.3	4.1	4.6	4.2
143.5°	4.5	5.2	5.6	5.2	4.3	4.3	3.8	3.3	4.1	4.5	4.2
144°	4.6	5.2	5.5	5.1	4.3	4.3	3.9	3.4	4.1	4.5	4.3
144.5°	4.7	5.3	5.5	5.0	4.2	4.2	3.9	3.4	4.1	4.6	4.4
145°	4.9	5.3	5.4	4.9	4.2	4.2	3.9	3.4	4.0	4.7	4.4
145.5°	5.0	5.3	5.4	4.8	4.2	4.2	3.9	3.4	4.0	4.7	4.3
146°	5.1	5.3	5.3	4.7	4.2	4.2	3.9	3.4	4.0	4.8	4.3
146.5°	5.1	5.3	5.2	4.6	4.2	4.2	3.9	3.4	3.9	4.7	4.4
147°	5.1	5.2	5.1	4.5	4.1	4.2	3.9	3.4	3.9	4.7	4.5
147.5°	5.1	5.2	5.0	4.4	4.1	4.2	3.7	3.3	3.9	4.7	4.5
148°	5.1	5.2	5.0	4.3	4.1	4.0	3.7	3.4	3.9	4.7	4.5
148.5°	5.0	5.2	4.9	4.3	4.1	4.0	3.8	3.5	3.9	4.7	4.6
149°	5.0	5.1	4.8	4.2	4.0	4.1	3.8	3.4	3.8	4.6	4.6
149.5°	5.0	5.0	4.7	4.1	4.0	4.1	3.8	3.4	3.8	4.6	4.6
150°	5.0	4.9	4.5	4.1	4.0	4.1	3.8	3.4	3.8	4.6	4.6
150.5°	4.9	4.8	4.4	4.0	3.9	4.0	3.8	3.4	3.8	4.6	4.6
151°	4.9	4.7	4.3	4.0	3.9	4.0	3.7	3.4	3.8	4.5	4.4
151.5°	4.9	4.6	4.2	3.9	3.9	4.0	3.7	3.4	3.8	4.5	4.4
152°	4.8	4.5	4.1	3.9	3.9	4.0	3.7	3.4	3.7	4.4	4.5
152.5°	4.7	4.4	4.1	3.8	3.9	4.0	3.7	3.4	3.5	4.3	4.6
153°	4.6	4.3	4.0	3.8	3.9	3.9	3.6	3.3	3.3	4.3	4.6
153.5°	4.5	4.2	3.9	3.8	3.9	3.9	3.6	3.2	3.3	4.2	4.6
154°	4.4	4.1	3.8	3.7	3.9	3.9	3.6	3.2	3.2	4.1	4.6
154.5°	4.3	4.0	3.8	3.7	3.9	3.9	3.6	3.2	3.2	3.9	4.5
155°	4.2	4.0	3.7	3.7	3.9	3.7	3.6	3.2	3.1	3.8	4.3
155.5°	4.1	3.9	3.7	3.7	3.8	3.6	3.5	3.1	3.1	3.6	4.1
156°	4.0	3.8	3.6	3.7	3.7	3.6	3.5	3.0	3.1	3.5	3.9



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	3.7	3.6	3.6	3.7	3.6	3.5	3.0	2.9	3.0	3.4	3.9
158°	3.7	3.6	3.6	3.7	3.8	3.5	2.9	2.9	3.0	3.4	3.9
158.5°	3.6	3.5	3.6	3.7	3.8	3.5	2.9	2.9	3.0	3.3	3.8
159°	3.6	3.5	3.6	3.7	3.7	3.4	2.9	2.9	3.0	3.3	3.7
159.5°	3.5	3.5	3.6	3.6	3.6	3.4	2.8	2.9	3.0	3.3	3.7
160°	3.5	3.5	3.6	3.6	3.5	3.4	2.8	2.9	3.0	3.2	3.6
160.5°	3.5	3.5	3.6	3.5	3.5	3.4	2.8	2.9	3.0	3.2	3.6
161°	3.5	3.5	3.6	3.6	3.6	3.4	2.8	2.9	2.9	3.2	3.5
161.5°	3.5	3.5	3.6	3.7	3.7	3.1	2.8	2.8	2.9	3.1	3.5
162°	3.5	3.5	3.6	3.7	3.6	2.9	2.8	2.8	2.9	3.1	3.4
162.5°	3.5	3.5	3.7	3.7	3.5	2.9	2.8	2.8	2.9	3.1	3.4
163°	3.5	3.6	3.7	3.7	3.4	2.9	2.8	2.8	2.9	3.1	3.4
163.5°	3.5	3.6	3.7	3.7	3.2	2.8	2.8	2.8	2.9	3.0	3.3
164°	3.5	3.6	3.7	3.6	3.0	2.8	2.8	2.8	2.9	3.0	3.3
164.5°	3.5	3.6	3.7	3.5	2.9	2.8	2.8	2.8	2.9	3.0	3.3
165°	3.6	3.6	3.7	3.5	2.9	2.8	2.8	2.8	2.9	3.0	3.2
165.5°	3.6	3.7	3.7	3.4	2.9	2.7	2.8	2.8	2.9	3.0	3.2
166°	3.6	3.7	3.7	3.4	2.9	2.7	2.8	2.8	2.9	3.0	3.2
166.5°	3.6	3.7	3.7	3.4	2.9	2.8	2.8	2.8	2.9	3.0	3.2
167°	3.7	3.7	3.7	3.3	2.8	2.8	2.8	2.8	2.9	3.0	3.2
167.5°	3.7	3.7	3.6	3.0	2.8	2.8	2.8	2.8	2.9	3.0	3.1
168°	3.7	3.7	3.5	2.9	2.8	2.8	2.8	2.8	2.9	3.0	3.1
168.5°	3.7	3.7	3.5	2.9	2.8	2.8	2.9	2.8	2.9	3.0	3.1
169°	3.7	3.7	3.4	2.9	2.8	2.8	2.9	2.8	2.9	3.0	3.1
169.5°	3.7	3.7	3.4	2.9	2.8	2.8	2.9	2.9	2.9	3.0	3.1
170°	3.7	3.6	3.3	2.9	2.8	2.9	3.1	3.0	2.8	3.0	3.2
170.5°	3.7	3.5	3.0	2.8	2.8	3.0	3.2	3.2	2.8	3.2	3.5
171°	3.7	3.4	2.9	2.8	2.8	3.1	3.3	3.2	2.9	3.5	3.5
171.5°	3.6	3.3	2.8	2.8	2.9	3.1	3.3	3.2	3.2	3.4	3.4
172°	3.5	3.2	2.8	2.7	2.9	3.3	3.3	3.2	3.2	3.4	3.4
172.5°	3.5	3.2	2.8	2.7	3.0	3.3	3.3	3.2	3.2	3.4	3.4
173°	3.4	3.2	2.8	2.7	3.0	3.3	3.3	3.3	3.2	3.3	3.4
173.5°	3.4	3.1	2.8	2.8	3.0	3.3	3.3	3.3	3.2	3.3	3.4
174°	3.3	2.9	2.7	2.8	3.0	3.3	3.3	3.3	3.3	3.3	3.4
174.5°	3.2	2.8	2.7	2.9	3.2	3.3	3.3	3.3	3.3	3.3	3.4
175°	3.2	2.8	2.7	2.9	3.2	3.3	3.3	3.2	3.3	3.3	3.3
175.5°	3.1	2.8	2.7	2.9	3.2	3.3	3.3	3.3	3.3	3.3	3.3
176°	3.1	2.9	2.8	3.0	3.2	3.3	3.3	3.3	3.3	3.3	3.3
176.5°	3.1	2.9	2.8	2.9	3.1	3.3	3.3	3.2	3.3	3.3	3.3
177°	3.1	3.0	2.8	3.0	3.2	3.3	3.3	3.2	3.2	3.2	3.3
177.5°	3.0	2.9	2.8	2.9	3.2	3.3	3.3	3.2	3.2	3.2	3.2
178°	2.8	2.7	2.7	2.7	3.0	3.1	3.2	3.2	3.1	3.1	3.1
178.5°	2.8	2.7	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.1	3.1



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5	1658.5
0.5°	1657.9	1657.9	1657.9	1657.9	1657.9	1658.0	1658.0	1658.1	1658.1	1658.1	1658.1
1°	1657.4	1657.4	1657.1	1656.8	1656.5	1656.2	1656.4	1656.7	1657.1	1657.5	1657.7
1.5°	1656.5	1656.5	1656.5	1656.3	1656.2	1656.1	1656.3	1656.5	1656.8	1656.9	1657.1
2°	1655.1	1655.1	1654.9	1654.6	1654.3	1654.3	1654.5	1654.9	1655.4	1655.8	1655.9
2.5°	1654.1	1653.9	1653.2	1652.6	1652.6	1652.9	1652.9	1653.0	1653.6	1654.3	1654.7
3°	1652.5	1652.3	1651.4	1651.1	1651.4	1651.6	1651.5	1651.5	1652.0	1652.7	1652.9
3.5°	1650.0	1649.8	1649.6	1649.0	1649.2	1649.7	1650.0	1650.3	1650.7	1651.2	1651.8
4°	1648.6	1648.5	1647.8	1647.2	1647.5	1648.0	1648.3	1648.4	1648.5	1649.2	1649.7
4.5°	1646.1	1645.7	1645.6	1645.6	1645.5	1645.2	1645.4	1645.9	1646.2	1647.2	1648.5
5°	1644.1	1643.8	1642.9	1642.5	1642.0	1641.8	1642.4	1643.3	1644.3	1645.6	1647.1
5.5°	1642.0	1641.2	1640.6	1639.9	1639.7	1640.0	1640.0	1640.7	1642.0	1643.6	1645.2
6°	1638.9	1638.3	1637.8	1637.3	1637.2	1636.9	1636.8	1637.5	1639.0	1640.2	1642.3
6.5°	1636.0	1634.9	1634.4	1634.0	1633.7	1634.0	1634.0	1634.9	1636.3	1637.8	1640.0
7°	1633.7	1632.6	1631.2	1630.4	1630.6	1630.9	1631.3	1632.1	1633.7	1634.8	1637.8
7.5°	1630.9	1629.8	1627.8	1627.3	1626.7	1626.1	1626.9	1628.3	1629.9	1631.9	1634.6
8°	1627.2	1626.2	1624.5	1623.4	1622.8	1623.0	1623.5	1624.8	1626.4	1628.3	1631.4
8.5°	1623.6	1621.7	1620.8	1619.8	1618.9	1619.2	1619.5	1621.0	1623.1	1625.0	1628.1
9°	1619.4	1617.9	1616.8	1615.4	1615.2	1615.2	1615.2	1616.6	1619.2	1622.0	1625.6
9.5°	1616.1	1614.3	1612.1	1611.2	1610.8	1610.5	1610.7	1612.5	1615.0	1618.0	1622.0
10°	1613.3	1610.2	1608.2	1606.7	1606.3	1606.2	1606.1	1608.0	1611.0	1614.2	1617.9
10.5°	1608.6	1606.1	1603.5	1601.8	1601.1	1600.4	1601.6	1603.7	1606.5	1610.1	1614.6
11°	1603.9	1601.4	1598.8	1597.2	1596.4	1596.2	1596.6	1598.5	1601.9	1605.4	1610.3
11.5°	1599.2	1596.4	1593.7	1592.0	1591.2	1590.5	1591.6	1593.6	1597.1	1601.8	1605.4
12°	1595.3	1591.4	1588.5	1586.8	1585.7	1585.3	1586.7	1589.1	1592.4	1597.4	1602.1
12.5°	1590.8	1586.6	1583.6	1581.7	1580.6	1579.4	1581.1	1583.5	1587.1	1592.0	1598.0
13°	1585.8	1581.2	1578.0	1575.7	1573.8	1573.4	1575.4	1577.8	1581.3	1586.9	1592.6
13.5°	1580.0	1575.5	1572.2	1569.6	1567.7	1567.6	1569.3	1571.6	1575.9	1581.3	1588.0
14°	1575.1	1570.1	1566.4	1563.7	1561.7	1562.2	1562.9	1565.8	1570.6	1576.8	1582.2
14.5°	1569.5	1563.9	1560.5	1557.8	1554.9	1555.3	1557.1	1559.6	1564.5	1571.1	1577.4
15°	1563.8	1558.2	1554.6	1551.1	1549.1	1548.8	1550.3	1553.7	1558.1	1564.9	1571.7
15.5°	1558.4	1552.5	1547.8	1544.1	1542.6	1541.7	1543.4	1546.9	1552.2	1558.9	1566.2
16°	1552.5	1546.3	1541.1	1537.0	1534.7	1534.6	1536.1	1540.0	1545.4	1552.4	1560.0
16.5°	1546.1	1539.8	1534.5	1530.2	1528.0	1528.2	1529.5	1533.0	1539.0	1546.1	1553.8
17°	1539.9	1533.2	1527.9	1523.5	1521.1	1520.7	1522.3	1526.0	1532.1	1540.2	1547.8
17.5°	1533.3	1526.5	1520.9	1516.3	1513.6	1512.9	1515.1	1518.5	1524.8	1533.3	1542.1
18°	1526.5	1519.2	1513.5	1508.5	1505.6	1504.7	1506.5	1511.7	1518.0	1526.4	1535.7
18.5°	1519.6	1512.4	1505.6	1500.2	1497.9	1497.4	1499.2	1504.1	1511.2	1519.5	1528.8
19°	1513.3	1504.6	1497.7	1492.4	1490.5	1488.7	1490.6	1495.8	1502.8	1512.1	1521.3
19.5°	1505.3	1496.9	1489.9	1484.4	1482.1	1480.6	1482.8	1487.5	1494.9	1505.0	1514.7
20°	1498.4	1489.8	1482.2	1476.2	1473.0	1472.4	1475.0	1479.7	1487.5	1497.6	1508.6
20.5°	1491.1	1481.9	1474.2	1467.7	1464.0	1463.6	1466.3	1471.8	1479.6	1490.0	1501.5
21°	1483.2	1474.1	1465.9	1459.0	1455.0	1454.8	1457.5	1463.0	1471.6	1482.5	1493.6



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1459.6	1448.8	1439.7	1432.9	1427.8	1427.0	1429.4	1435.4	1445.3	1458.1	1470.3
23°	1451.7	1440.2	1431.1	1423.4	1418.6	1418.3	1420.2	1426.7	1436.8	1449.6	1462.9
23.5°	1443.0	1431.0	1421.6	1413.9	1409.7	1407.9	1410.4	1417.1	1427.8	1440.6	1454.5
24°	1434.7	1422.4	1412.1	1403.6	1399.5	1397.7	1400.0	1407.9	1418.2	1431.6	1445.7
24.5°	1425.9	1413.6	1402.4	1393.7	1389.5	1387.3	1390.8	1399.0	1409.6	1422.8	1437.4
25°	1418.2	1404.4	1393.7	1384.4	1379.9	1377.3	1380.8	1389.2	1400.2	1413.9	1428.5
25.5°	1408.2	1394.8	1384.0	1374.3	1369.0	1367.2	1370.4	1378.5	1389.9	1404.4	1420.1
26°	1399.0	1385.2	1373.5	1364.3	1359.0	1356.6	1360.3	1368.3	1380.8	1395.6	1411.5
26.5°	1389.9	1375.7	1363.2	1353.9	1348.7	1346.2	1349.2	1358.2	1370.7	1386.1	1402.0
27°	1381.1	1366.6	1353.4	1342.9	1337.5	1336.0	1338.8	1347.5	1360.6	1376.1	1392.7
27.5°	1371.4	1355.8	1343.0	1332.1	1326.0	1325.3	1328.2	1336.8	1350.1	1366.9	1383.1
28°	1361.2	1345.9	1332.8	1321.4	1315.7	1313.9	1317.7	1327.1	1340.3	1356.8	1374.2
28.5°	1352.0	1336.4	1322.4	1311.4	1304.8	1302.7	1306.1	1315.9	1329.9	1346.4	1363.7
29°	1342.2	1325.6	1311.6	1299.8	1293.2	1292.2	1295.8	1304.3	1318.5	1335.9	1354.1
29.5°	1332.1	1314.9	1300.7	1288.7	1282.2	1280.1	1283.1	1293.4	1308.1	1326.2	1344.9
30°	1321.9	1304.3	1289.8	1277.6	1270.5	1268.7	1272.6	1282.6	1297.4	1316.0	1334.8
30.5°	1311.4	1294.0	1278.8	1266.2	1259.6	1257.0	1260.9	1271.0	1286.1	1305.0	1324.3
31°	1301.1	1283.2	1267.7	1255.0	1248.0	1245.4	1249.7	1260.0	1275.2	1294.2	1314.5
31.5°	1290.4	1272.3	1256.5	1243.4	1235.9	1233.4	1237.8	1248.7	1264.4	1283.8	1303.7
32°	1279.6	1261.6	1245.4	1231.4	1223.8	1221.3	1225.9	1236.8	1253.5	1273.0	1293.4
32.5°	1269.6	1250.6	1233.8	1219.2	1211.8	1209.3	1213.9	1224.8	1242.0	1262.3	1282.8
33°	1258.5	1239.1	1222.2	1207.1	1199.7	1197.2	1201.9	1212.8	1230.2	1251.4	1272.4
33.5°	1247.0	1227.4	1210.6	1195.0	1187.6	1185.2	1190.0	1200.9	1218.4	1240.1	1261.7
34°	1237.6	1216.0	1199.2	1183.6	1174.8	1172.9	1177.0	1188.8	1206.7	1228.7	1250.8
34.5°	1225.9	1204.6	1187.4	1172.1	1162.9	1160.2	1165.0	1177.2	1195.0	1217.3	1240.3
35°	1214.3	1192.9	1174.5	1159.8	1150.7	1147.7	1152.9	1165.3	1183.2	1205.8	1229.1
35.5°	1202.8	1181.2	1162.7	1147.6	1138.4	1135.4	1140.4	1153.2	1171.0	1194.3	1217.9
36°	1191.2	1169.7	1150.9	1134.7	1125.4	1122.7	1127.7	1139.8	1158.9	1182.9	1206.7
36.5°	1179.5	1157.6	1137.9	1122.2	1112.4	1110.2	1115.1	1127.9	1146.6	1170.4	1195.5
37°	1167.7	1145.0	1125.9	1110.0	1099.6	1096.9	1102.2	1115.7	1134.5	1158.3	1183.7
37.5°	1156.0	1132.9	1113.5	1097.5	1087.8	1084.3	1089.7	1102.7	1121.8	1146.1	1172.0
38°	1143.7	1120.6	1100.8	1084.1	1074.3	1072.1	1076.6	1090.4	1109.9	1134.2	1159.5
38.5°	1131.8	1108.6	1088.3	1071.7	1061.7	1058.4	1064.1	1077.7	1097.4	1122.3	1147.8
39°	1119.9	1096.5	1075.6	1058.9	1049.0	1046.0	1051.7	1065.2	1085.0	1110.1	1136.1
39.5°	1107.6	1084.4	1063.4	1046.1	1036.5	1032.9	1038.1	1052.1	1072.3	1097.6	1124.3
40°	1095.8	1071.7	1050.8	1033.6	1023.1	1020.0	1025.6	1039.4	1059.6	1085.3	1112.1
40.5°	1083.6	1059.2	1038.1	1020.6	1010.0	1007.0	1012.0	1026.1	1047.6	1072.9	1100.3
41°	1071.3	1046.6	1025.3	1007.3	997.1	993.9	999.8	1013.8	1034.5	1060.6	1087.8
41.5°	1058.8	1034.2	1012.7	994.9	984.2	981.2	986.3	1001.0	1022.0	1048.2	1075.6
42°	1046.2	1021.4	999.5	982.0	970.8	967.9	973.8	987.7	1009.2	1035.3	1063.9
42.5°	1034.3	1009.2	986.8	969.0	958.0	955.1	960.6	975.1	996.8	1022.5	1050.8
43°	1021.9	996.1	974.3	956.0	944.6	942.4	948.0	962.4	984.0	1010.4	1038.8
43.5°	1009.1	983.6	961.3	942.8	932.2	929.0	934.7	948.9	970.5	997.9	1026.2



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	971.1	944.7	922.2	904.2	893.5	889.8	895.3	910.4	931.7	959.6	988.7
45.5°	958.4	932.3	910.0	891.1	880.4	877.1	882.9	897.6	919.1	946.7	975.8
46°	945.7	919.6	896.7	878.4	867.2	864.7	870.1	885.0	906.8	933.9	963.4
46.5°	932.8	906.7	884.0	865.5	854.5	851.6	857.1	872.3	894.1	921.2	950.3
47°	920.2	893.5	871.0	852.6	841.3	838.6	844.4	859.0	881.0	908.3	938.1
47.5°	907.1	880.8	858.4	839.8	828.7	826.1	831.6	846.2	868.0	895.5	925.1
48°	893.9	868.3	844.9	826.9	816.1	812.9	818.3	833.2	855.1	882.5	912.0
48.5°	881.1	855.3	832.6	814.4	803.6	800.3	806.1	820.5	842.3	869.8	898.9
49°	868.5	842.3	819.7	801.8	790.5	787.5	793.7	808.2	830.1	857.4	886.1
49.5°	856.2	829.5	807.3	789.2	777.8	775.4	780.8	795.5	816.8	844.4	873.7
50°	842.2	816.7	794.2	776.3	765.2	762.5	768.7	782.6	804.7	831.3	861.1
50.5°	830.0	803.8	780.9	763.5	753.1	750.2	755.3	769.7	791.6	818.4	848.0
51°	816.9	790.7	768.8	751.2	740.3	738.3	743.3	757.4	778.6	805.7	835.4
51.5°	803.8	778.1	756.4	738.9	727.9	725.6	731.2	745.5	766.4	793.2	822.2
52°	790.6	765.9	743.9	726.6	715.6	713.2	718.8	733.2	754.0	781.0	809.5
52.5°	777.9	753.1	731.4	714.0	703.7	701.6	706.4	720.8	741.7	768.2	796.6
53°	765.1	740.4	718.5	701.5	691.3	689.4	694.4	708.3	729.1	755.3	783.9
53.5°	752.4	727.7	705.9	689.4	679.0	676.9	682.7	695.8	716.8	742.8	771.7
54°	739.6	715.2	693.5	677.3	667.1	664.3	669.9	683.4	704.2	730.1	758.8
54.5°	726.8	702.2	681.2	664.9	655.0	652.9	658.4	671.4	692.0	717.4	745.5
55°	713.9	689.4	669.0	653.1	642.9	640.9	646.1	659.5	679.5	705.2	732.8
55.5°	701.5	677.2	656.7	640.8	631.6	629.4	634.6	647.4	667.3	692.6	719.7
56°	688.4	664.6	644.3	629.0	619.6	617.7	622.8	635.2	654.9	680.2	707.3
56.5°	675.5	651.9	632.5	617.2	607.5	605.6	611.2	623.7	643.1	667.7	694.4
57°	662.9	639.7	620.1	605.3	596.0	594.4	599.5	612.2	630.8	655.0	681.8
57.5°	649.8	627.6	608.4	593.3	584.3	582.5	587.4	599.9	618.9	642.6	669.0
58°	637.3	615.1	596.2	581.6	573.2	571.2	576.3	588.2	606.7	630.1	656.4
58.5°	624.5	603.1	584.4	570.0	561.6	560.0	564.9	576.6	595.0	618.1	644.2
59°	612.0	590.8	572.3	558.6	550.0	548.5	553.3	565.2	583.1	606.0	631.6
59.5°	599.5	578.4	560.9	546.9	538.5	537.1	542.6	553.7	571.6	593.7	619.0
60°	586.8	566.6	549.3	535.3	527.8	526.4	531.0	542.2	559.6	581.7	606.0
60.5°	574.5	554.4	537.4	523.9	516.4	514.9	519.7	530.7	548.1	569.6	593.3
61°	561.7	542.4	525.7	512.7	505.2	504.0	508.4	519.6	536.3	557.6	581.3
61.5°	549.3	530.4	514.3	502.0	494.9	493.1	497.8	508.5	525.0	545.6	568.5
62°	536.6	518.5	503.1	490.5	483.4	482.4	486.8	497.6	513.4	533.8	556.2
62.5°	524.7	506.7	491.4	479.4	472.4	471.7	475.9	486.3	502.0	522.0	543.9
63°	512.5	495.1	479.8	468.3	461.8	460.8	465.1	475.2	490.6	510.1	531.6
63.5°	500.4	483.2	468.5	457.4	451.3	450.3	454.5	464.3	479.3	498.6	519.7
64°	487.8	471.5	457.9	446.7	440.7	439.8	443.7	453.6	467.9	486.9	507.2
64.5°	475.8	459.9	446.5	435.7	429.8	429.3	433.3	442.7	456.9	475.0	495.2
65°	463.7	448.4	435.3	425.2	419.7	418.8	423.0	432.2	446.0	463.6	483.1
65.5°	451.7	437.0	424.8	414.7	409.2	408.5	412.6	421.5	435.2	452.0	471.0
66°	440.0	425.6	413.9	403.9	398.6	398.0	401.8	410.7	423.9	440.7	458.9



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	403.8	391.4	380.9	372.8	368.4	367.8	371.6	379.6	391.4	406.6	422.9
68°	392.1	380.4	370.3	362.4	358.5	358.1	361.7	369.4	380.6	395.4	411.5
68.5°	380.7	369.2	359.7	352.4	348.6	348.0	351.6	359.3	370.2	384.4	400.0
69°	369.0	358.1	349.3	342.4	338.6	338.5	341.7	349.2	359.7	373.3	388.4
69.5°	357.4	347.3	338.8	332.2	328.5	328.5	331.8	339.1	349.2	362.1	376.6
70°	346.2	336.5	328.6	322.1	319.0	319.2	322.2	329.0	338.7	351.1	364.9
70.5°	334.3	325.7	318.2	312.6	309.6	309.7	312.7	319.1	328.4	340.5	353.1
71°	323.1	315.0	308.3	302.9	300.1	300.2	303.1	309.3	318.3	329.5	342.2
71.5°	312.1	304.4	298.1	293.1	290.5	290.7	293.8	299.6	308.3	318.9	330.6
72°	300.9	294.0	288.1	283.6	281.3	281.8	284.5	290.1	298.2	308.5	319.6
72.5°	289.7	283.5	278.3	274.1	272.1	272.4	275.3	280.6	288.3	297.9	308.2
73°	278.9	273.3	268.4	264.7	262.8	263.3	265.9	271.1	278.1	287.4	297.7
73.5°	268.0	263.0	258.5	255.4	253.9	254.2	257.0	261.6	268.5	277.0	286.4
74°	257.0	252.8	249.2	246.3	244.8	245.7	248.0	252.5	258.9	266.9	275.4
74.5°	246.4	242.8	239.6	237.4	236.1	236.9	239.2	243.5	249.4	256.7	264.4
75°	236.0	233.1	230.4	228.3	227.4	228.1	230.4	234.3	239.9	246.7	254.2
75.5°	225.8	223.3	220.9	219.5	218.8	219.5	221.6	225.4	230.4	236.7	243.5
76°	215.2	213.7	212.1	210.7	210.1	211.1	213.1	216.7	221.5	226.9	233.1
76.5°	205.1	204.1	203.0	202.1	201.8	202.7	204.7	208.0	212.2	217.2	222.7
77°	195.3	194.7	194.4	193.7	193.6	194.5	196.4	199.4	203.2	207.6	212.6
77.5°	185.3	185.5	185.4	185.5	185.7	186.6	188.5	191.0	194.5	198.2	202.0
78°	175.7	176.7	177.0	177.3	177.9	178.8	180.3	182.9	185.9	189.1	192.3
78.5°	166.4	168.1	168.8	169.3	170.1	171.1	172.6	174.8	177.2	180.0	182.5
79°	157.0	159.2	160.6	161.6	162.4	163.5	165.0	166.9	168.9	171.0	173.1
79.5°	148.2	150.9	152.7	154.0	155.1	156.2	157.7	159.2	160.7	162.3	163.3
80°	139.6	143.1	145.4	146.9	148.3	149.1	150.3	151.5	153.0	153.8	154.3
80.5°	130.8	135.3	138.1	140.1	141.5	142.4	143.5	144.4	145.7	145.6	145.7
81°	122.2	127.5	130.8	133.2	134.8	135.7	136.7	137.6	138.3	137.9	137.1
81.5°	114.0	119.6	123.5	126.3	128.0	129.0	130.0	130.7	130.9	130.0	128.5
82°	106.5	112.1	116.2	119.3	121.2	122.3	123.2	123.9	123.5	122.2	119.9
82.5°	98.8	105.1	109.5	112.7	114.9	116.2	117.0	117.1	116.3	114.6	111.5
83°	91.3	98.1	103.0	106.4	108.7	110.1	110.7	110.6	109.5	107.2	103.8
83.5°	84.3	91.3	96.6	100.3	102.6	103.9	104.6	104.3	103.0	100.2	96.2
84°	77.5	84.9	90.4	94.3	96.8	98.2	98.8	98.3	96.5	93.3	88.9
84.5°	71.0	78.9	84.6	88.6	91.2	92.5	93.0	92.3	90.4	86.8	81.7
85°	64.9	73.0	78.8	83.0	85.8	87.2	87.5	86.6	84.4	80.6	75.1
85.5°	59.1	67.3	73.4	77.7	80.5	81.8	82.0	81.2	78.6	74.5	68.7
86°	53.7	61.8	68.2	72.7	75.4	76.8	77.1	76.0	73.1	68.7	62.6
86.5°	48.4	56.9	63.3	67.8	70.6	72.0	72.1	70.9	68.0	63.2	56.7
87°	43.7	52.1	58.5	63.1	66.1	67.5	67.5	66.0	63.0	58.1	51.3
87.5°	39.2	47.6	54.1	58.8	61.7	63.1	63.0	61.5	58.3	53.2	46.2
88°	35.2	43.5	50.0	54.7	57.6	58.8	58.9	57.2	53.8	48.7	41.5
88.5°	31.4	39.7	46.1	50.8	53.6	54.9	54.8	53.1	49.7	44.4	37.3



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	22.4	29.9	35.9	40.4	43.2	44.4	44.2	42.3	38.6	33.3	26.3
90.5°	20.2	27.2	33.1	37.5	40.2	41.4	41.0	39.2	35.5	30.3	23.5
91°	18.1	24.8	30.5	34.8	37.4	38.5	38.2	36.3	32.7	27.5	20.9
91.5°	16.4	22.8	28.2	32.3	34.9	35.9	35.5	33.6	30.1	25.0	18.7
92°	15.4	20.9	26.1	30.0	32.5	33.5	33.1	31.2	27.8	22.9	16.8
92.5°	14.4	19.4	24.2	27.9	30.4	31.3	30.9	29.0	25.6	21.0	15.7
93°	13.4	18.0	22.6	26.1	28.4	29.3	28.9	27.0	23.8	19.3	14.6
93.5°	12.4	16.8	21.2	24.5	26.7	27.5	27.1	25.3	22.2	17.9	13.5
94°	11.4	15.9	20.0	23.1	25.2	26.0	25.5	23.8	20.8	16.7	12.4
94.5°	10.9	15.2	19.0	22.0	23.9	24.6	24.1	22.4	19.5	15.7	11.3
95°	10.5	14.5	18.1	20.9	22.7	23.4	22.9	21.2	18.5	14.8	10.7
95.5°	10.1	13.9	17.3	20.0	21.7	22.2	21.8	20.2	17.6	14.1	10.2
96°	9.7	13.5	16.6	19.1	20.7	21.2	20.8	19.3	16.8	13.5	9.9
96.5°	9.5	13.1	16.0	18.3	19.9	20.4	19.9	18.5	16.1	13.1	9.5
97°	9.2	12.7	15.5	17.7	19.1	19.6	19.2	17.9	15.6	12.5	9.1
97.5°	9.1	12.3	15.0	17.1	18.4	18.9	18.6	17.3	15.1	12.1	8.7
98°	8.9	11.9	14.5	16.6	17.9	18.3	18.0	16.8	14.7	11.6	8.3
98.5°	8.8	11.6	14.1	16.1	17.3	17.8	17.5	16.3	14.2	11.1	8.0
99°	8.7	11.4	13.8	15.6	16.8	17.3	16.9	15.8	13.7	10.7	7.9
99.5°	8.6	11.2	13.5	15.3	16.4	16.8	16.4	15.2	13.3	10.4	7.8
100°	8.4	11.0	13.2	14.9	16.0	16.4	16.0	14.8	12.9	10.1	7.7
100.5°	8.3	10.9	13.0	14.6	15.6	16.0	15.5	14.4	12.5	9.9	7.6
101°	8.2	10.7	12.8	14.3	15.3	15.6	15.1	14.0	12.1	9.8	7.5
101.5°	8.1	10.6	12.5	14.0	14.9	15.2	14.8	13.6	11.8	9.7	7.4
102°	7.9	10.4	12.3	13.8	14.6	14.9	14.4	13.3	11.6	9.6	7.3
102.5°	7.8	10.3	12.1	13.5	14.3	14.6	14.1	13.1	11.5	9.5	7.1
103°	7.6	10.2	11.9	13.3	14.1	14.4	14.0	13.0	11.3	9.4	7.0
103.5°	7.4	10.0	11.8	13.1	13.9	14.2	13.8	12.8	11.1	9.3	6.8
104°	7.3	9.8	11.6	12.9	13.7	14.0	13.6	12.6	11.0	9.1	6.6
104.5°	7.1	9.6	11.4	12.7	13.5	13.8	13.4	12.5	10.9	9.0	6.4
105°	7.0	9.4	11.3	12.5	13.3	13.6	13.3	12.3	10.8	8.8	6.2
105.5°	6.8	9.2	11.1	12.3	13.1	13.5	13.1	12.1	10.6	8.6	6.0
106°	6.7	9.0	10.9	12.1	12.9	13.3	13.0	12.0	10.5	8.4	5.8
106.5°	6.5	8.8	10.6	11.9	12.7	13.1	12.8	11.8	10.3	8.1	5.7
107°	6.4	8.6	10.4	11.7	12.5	12.9	12.6	11.6	10.1	7.9	5.5
107.5°	6.2	8.5	10.1	11.5	12.3	12.6	12.3	11.4	9.8	7.7	5.4
108°	6.1	8.3	9.9	11.3	12.0	12.4	12.1	11.2	9.6	7.5	5.2
108.5°	5.9	8.1	9.8	11.0	11.8	12.2	11.9	10.9	9.3	7.3	5.1
109°	5.7	7.9	9.6	10.8	11.6	11.9	11.7	10.6	9.0	7.1	5.0
109.5°	5.6	7.8	9.4	10.5	11.3	11.7	11.4	10.4	8.8	6.9	4.8
110°	5.4	7.6	9.1	10.3	11.0	11.4	11.1	10.1	8.6	6.7	4.7
110.5°	5.2	7.4	8.9	10.1	10.8	11.1	10.8	9.9	8.4	6.6	4.6
111°	5.1	7.2	8.7	9.9	10.5	10.8	10.6	9.6	8.1	6.4	4.4



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	4.5	6.6	8.2	9.2	9.8	10.1	9.8	8.9	7.5	6.0	4.0
113°	4.3	6.4	8.0	9.0	9.6	9.8	9.6	8.7	7.3	5.8	3.9
113.5°	4.2	6.2	7.8	8.8	9.4	9.6	9.4	8.5	7.1	5.7	3.7
114°	4.0	6.0	7.6	8.6	9.2	9.4	9.2	8.3	6.9	5.5	3.6
114.5°	3.9	5.8	7.4	8.4	9.0	9.2	8.9	8.1	6.8	5.4	3.5
115°	3.8	5.6	7.2	8.2	8.8	9.0	8.7	7.9	6.6	5.2	3.4
115.5°	3.7	5.4	7.0	8.0	8.6	8.7	8.5	7.7	6.4	5.0	3.3
116°	3.7	5.2	6.8	7.8	8.4	8.5	8.3	7.4	6.2	4.8	3.3
116.5°	3.6	4.9	6.6	7.6	8.2	8.3	8.1	7.2	6.0	4.7	3.2
117°	3.5	4.8	6.3	7.4	8.0	8.1	7.8	7.0	5.8	4.5	3.1
117.5°	3.5	4.6	6.1	7.2	7.8	7.9	7.6	6.8	5.7	4.4	3.1
118°	3.5	4.4	5.8	7.0	7.6	7.7	7.4	6.6	5.4	4.2	3.0
118.5°	3.4	4.3	5.6	6.8	7.4	7.5	7.2	6.4	5.2	4.1	2.9
119°	3.3	4.2	5.4	6.6	7.2	7.3	7.0	6.2	5.0	4.0	2.8
119.5°	3.1	4.1	5.2	6.3	7.0	7.1	6.8	6.0	4.8	3.8	2.6
120°	3.0	4.0	5.0	6.0	6.7	6.9	6.6	5.7	4.6	3.7	2.6
120.5°	2.9	3.9	4.8	5.8	6.5	6.6	6.3	5.5	4.5	3.6	2.5
121°	2.7	3.8	4.7	5.6	6.2	6.4	6.1	5.3	4.3	3.5	2.4
121.5°	2.7	3.7	4.5	5.4	6.0	6.1	5.8	5.1	4.2	3.4	2.4
122°	2.7	3.7	4.4	5.2	5.7	5.9	5.6	4.9	4.1	3.4	2.4
122.5°	2.8	3.6	4.3	5.0	5.5	5.7	5.4	4.8	3.9	3.2	2.4
123°	2.8	3.5	4.2	4.8	5.3	5.5	5.2	4.6	3.8	3.1	2.5
123.5°	2.9	3.4	4.1	4.7	5.1	5.2	5.1	4.5	3.7	2.9	2.5
124°	2.9	3.2	4.0	4.6	5.0	5.1	4.9	4.4	3.6	2.7	2.6
124.5°	3.0	3.1	3.8	4.5	4.8	4.9	4.7	4.3	3.6	2.6	2.6
125°	3.0	2.9	3.7	4.3	4.7	4.8	4.6	4.2	3.5	2.5	2.7
125.5°	3.1	2.7	3.7	4.2	4.5	4.6	4.5	4.0	3.4	2.4	2.7
126°	3.1	2.6	3.6	4.1	4.4	4.5	4.4	4.0	3.2	2.3	2.7
126.5°	3.2	2.7	3.4	4.0	4.3	4.4	4.2	3.9	3.1	2.3	2.8
127°	3.2	2.7	3.3	3.9	4.2	4.2	4.2	3.8	2.9	2.3	2.8
127.5°	3.3	2.8	3.1	3.8	4.1	4.2	4.1	3.7	2.7	2.3	2.8
128°	3.4	2.8	3.0	3.7	4.0	4.1	4.0	3.5	2.6	2.4	2.9
128.5°	3.4	2.8	2.8	3.5	3.9	3.9	3.9	3.4	2.5	2.4	2.9
129°	3.5	2.9	2.6	3.3	3.8	3.9	3.8	3.1	2.4	2.5	2.9
129.5°	3.5	2.9	2.6	3.2	3.6	3.8	3.6	3.0	2.4	2.5	2.9
130°	3.6	3.0	2.7	3.0	3.5	3.6	3.4	2.9	2.4	2.6	2.9
130.5°	3.6	3.0	2.7	2.9	3.3	3.4	3.2	2.7	2.5	2.6	2.9
131°	3.6	3.1	2.7	2.7	3.1	3.2	3.1	2.6	2.5	2.6	2.9
131.5°	3.6	3.1	2.8	2.6	3.0	3.1	2.9	2.5	2.6	2.7	2.9
132°	3.7	3.2	2.8	2.6	2.8	2.9	2.7	2.5	2.6	2.7	3.0
132.5°	3.7	3.2	2.9	2.7	2.6	2.7	2.6	2.6	2.6	2.8	3.1
133°	3.8	3.3	2.9	2.7	2.6	2.6	2.6	2.6	2.7	2.9	3.1
133.5°	3.9	3.4	3.0	2.7	2.6	2.6	2.6	2.6	2.7	2.9	3.3



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	4.1	3.5	3.1	2.9	2.7	2.7	2.7	2.8	2.9	3.1	3.5
135.5°	4.2	3.6	3.1	2.9	2.8	2.7	2.8	2.8	2.9	3.2	3.6
136°	4.2	3.6	3.2	3.0	2.8	2.8	2.8	2.8	3.0	3.2	3.6
136.5°	4.3	3.7	3.2	3.0	2.9	2.8	2.9	2.9	3.0	3.3	3.6
137°	4.3	3.7	3.3	3.1	2.9	2.8	2.9	2.9	3.1	3.3	3.6
137.5°	4.3	3.8	3.3	3.1	2.9	2.9	2.9	3.0	3.1	3.4	3.6
138°	4.2	3.9	3.4	3.1	3.0	2.9	3.0	3.0	3.2	3.5	3.5
138.5°	4.1	3.9	3.5	3.2	3.0	3.0	3.0	3.1	3.3	3.6	3.4
139°	4.1	4.0	3.5	3.2	3.1	3.0	3.1	3.1	3.3	3.7	3.4
139.5°	4.1	4.0	3.6	3.3	3.1	3.0	3.1	3.2	3.4	3.7	3.4
140°	4.1	4.1	3.6	3.3	3.2	3.1	3.2	3.2	3.5	3.8	3.3
140.5°	4.1	4.1	3.7	3.4	3.2	3.1	3.2	3.3	3.6	3.8	3.3
141°	4.0	4.2	3.8	3.4	3.3	3.2	3.3	3.4	3.7	3.8	3.3
141.5°	4.0	4.2	4.0	3.5	3.3	3.3	3.3	3.4	3.8	3.8	3.3
142°	4.0	4.2	4.0	3.6	3.3	3.3	3.4	3.5	3.9	3.8	3.3
142.5°	4.1	4.1	4.0	3.7	3.4	3.4	3.4	3.6	3.9	3.7	3.3
143°	4.1	4.0	4.1	3.8	3.5	3.4	3.5	3.7	3.9	3.6	3.4
143.5°	4.1	4.0	4.1	3.9	3.6	3.5	3.6	3.9	3.9	3.6	3.4
144°	4.1	4.0	4.2	4.0	3.7	3.6	3.7	4.0	4.0	3.6	3.4
144.5°	4.1	4.0	4.2	4.1	3.8	3.8	3.9	4.0	4.0	3.6	3.3
145°	4.0	3.9	4.2	4.1	4.0	3.9	4.0	4.0	3.9	3.5	3.3
145.5°	4.0	3.9	4.0	4.1	4.0	4.0	4.0	4.1	3.8	3.5	3.3
146°	4.0	3.9	3.9	4.2	4.1	4.0	4.1	4.1	3.7	3.5	3.3
146.5°	4.1	4.0	3.9	4.2	4.1	4.1	4.1	4.1	3.7	3.5	3.3
147°	4.1	4.0	3.9	4.1	4.2	4.2	4.2	4.0	3.7	3.5	3.3
147.5°	4.1	4.0	3.9	4.0	4.2	4.2	4.2	3.9	3.7	3.5	3.3
148°	4.1	4.0	3.9	3.9	4.1	4.2	4.1	3.8	3.7	3.5	3.3
148.5°	4.1	3.9	3.9	3.9	3.9	4.1	4.0	3.8	3.7	3.5	3.3
149°	4.1	3.9	3.9	3.9	3.9	4.0	3.9	3.8	3.7	3.5	3.3
149.5°	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.7	3.4	3.3
150°	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.7	3.4	3.3
150.5°	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.7	3.4	3.3
151°	4.0	3.9	3.9	3.9	3.8	3.9	3.9	3.8	3.6	3.4	3.3
151.5°	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.6	3.4	3.3
152°	4.2	3.9	3.8	3.9	3.9	3.9	3.9	3.8	3.6	3.4	3.3
152.5°	4.2	3.9	3.8	3.9	3.9	3.9	3.9	3.8	3.6	3.4	3.3
153°	4.2	3.9	3.8	3.9	3.9	3.9	3.9	3.7	3.6	3.4	3.3
153.5°	4.2	3.9	3.8	3.8	3.9	3.9	3.9	3.8	3.6	3.4	3.3
154°	4.3	3.9	3.8	3.8	3.8	3.9	3.8	3.7	3.6	3.4	3.4
154.5°	4.3	3.9	3.8	3.8	3.8	3.9	3.8	3.7	3.6	3.4	3.4
155°	4.3	4.0	3.8	3.8	3.8	3.9	3.8	3.7	3.6	3.4	3.4
155.5°	4.2	4.1	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.5	3.5
156°	4.1	4.1	3.9	3.8	3.8	3.8	3.8	3.7	3.6	3.5	3.5



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	4.3	4.1	4.0	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6
158°	4.2	4.0	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.6
158.5°	3.9	4.0	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.7
159°	3.8	3.9	4.1	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.7
159.5°	3.8	3.9	4.2	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.7
160°	3.8	4.0	4.2	4.1	3.9	3.9	3.9	4.0	4.0	3.9	3.8
160.5°	3.8	3.9	4.2	4.1	4.0	4.0	4.0	4.0	4.1	4.0	3.8
161°	3.7	3.9	4.1	4.2	4.1	4.0	4.0	4.1	4.1	4.0	3.9
161.5°	3.7	3.8	4.0	4.3	4.1	4.1	4.1	4.1	4.2	4.1	3.9
162°	3.7	3.7	4.0	4.3	4.2	4.2	4.2	4.2	4.2	4.1	3.9
162.5°	3.7	3.7	3.9	4.3	4.2	4.2	4.2	4.3	4.3	4.2	3.9
163°	3.6	3.7	3.9	4.3	4.3	4.3	4.3	4.3	4.3	4.2	3.9
163.5°	3.6	3.7	3.9	4.2	4.4	4.3	4.3	4.3	4.4	4.1	3.9
164°	3.6	3.7	3.7	4.1	4.4	4.4	4.4	4.4	4.4	4.2	3.9
164.5°	3.6	3.7	3.7	4.0	4.4	4.4	4.4	4.5	4.4	4.3	3.4
165°	3.5	3.7	3.7	4.0	4.4	4.5	4.5	4.5	4.4	4.0	3.3
165.5°	3.5	3.7	3.7	3.9	4.4	4.5	4.5	4.5	4.4	3.4	3.7
166°	3.4	3.7	3.7	3.8	4.3	4.5	4.5	4.5	4.3	3.5	3.9
166.5°	3.4	3.7	3.7	3.7	4.2	4.5	4.5	4.6	4.3	4.0	3.4
167°	3.4	3.9	3.7	3.7	4.2	4.5	4.5	4.6	3.9	3.9	3.0
167.5°	3.4	4.0	3.8	3.6	4.1	4.5	4.5	4.6	3.4	3.3	3.5
168°	3.5	4.0	3.9	3.6	4.0	4.5	4.5	4.5	3.8	3.1	3.8
168.5°	3.6	4.0	4.2	3.7	3.7	4.5	4.5	4.5	4.2	3.8	3.6
169°	3.6	4.0	4.2	3.7	3.6	4.4	4.4	4.4	3.3	3.9	3.6
169.5°	3.5	3.9	4.1	3.8	3.5	4.3	4.4	4.1	2.9	3.8	3.7
170°	3.6	3.8	4.0	3.9	3.5	4.1	4.4	3.5	3.9	3.9	3.7
170.5°	3.6	3.8	3.9	4.0	3.5	4.1	4.3	3.4	4.0	3.9	3.7
171°	3.6	3.7	3.9	4.0	3.5	4.0	4.2	3.4	3.8	3.9	3.7
171.5°	3.6	3.7	3.8	3.9	3.5	3.8	4.2	3.0	3.9	3.8	3.6
172°	3.5	3.6	3.7	3.9	3.7	3.4	4.1	3.1	3.9	3.7	3.6
172.5°	3.5	3.6	3.7	3.8	3.7	3.4	3.9	3.6	3.8	3.7	3.5
173°	3.5	3.6	3.6	3.7	3.7	3.3	3.7	3.6	3.7	3.6	3.4
173.5°	3.4	3.5	3.6	3.7	3.7	3.2	3.2	3.7	3.6	3.4	3.3
174°	3.4	3.5	3.5	3.6	3.7	3.2	2.8	3.6	3.5	3.4	3.3
174.5°	3.4	3.4	3.5	3.5	3.6	3.1	2.6	3.5	3.4	3.3	3.2
175°	3.4	3.4	3.4	3.5	3.5	3.0	3.0	3.4	3.3	3.2	3.2
175.5°	3.4	3.4	3.4	3.4	3.5	3.1	3.4	3.3	3.2	3.2	3.2
176°	3.3	3.4	3.4	3.4	3.4	3.0	3.3	3.2	3.2	3.2	3.2
176.5°	3.3	3.3	3.3	3.3	3.3	3.0	3.2	3.1	3.2	3.2	3.2
177°	3.2	3.2	3.2	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.1
177.5°	3.1	3.1	3.1	3.1	3.1	1.3	3.1	3.1	3.1	3.1	3.1
178°	3.1	3.1	3.1	3.2	3.2	1.9	3.2	3.1	3.1	3.1	3.1
178.5°	3.2	3.2	3.2	3.1	2.9	2.5	3.0	3.1	3.2	3.1	3.1



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1658.5	1658.5	1658.5	1658.5
0.5°	1658.1	1658.1	1658.1	1658.1
1°	1657.8	1657.8	1657.8	1657.9
1.5°	1657.4	1657.6	1657.6	1657.9
2°	1656.1	1656.8	1657.4	1657.6
2.5°	1654.6	1655.0	1656.4	1657.0
3°	1653.4	1654.4	1655.7	1655.8
3.5°	1652.7	1654.2	1654.5	1654.7
4°	1651.5	1653.3	1653.3	1654.0
4.5°	1649.2	1651.1	1651.5	1652.2
5°	1647.9	1649.1	1650.5	1651.2
5.5°	1646.7	1647.3	1648.9	1650.1
6°	1644.0	1646.2	1647.1	1648.8
6.5°	1641.5	1643.0	1645.2	1647.0
7°	1640.2	1640.8	1643.8	1645.4
7.5°	1637.2	1639.2	1640.2	1643.1
8°	1634.0	1636.2	1638.9	1641.4
8.5°	1630.6	1633.2	1636.5	1638.3
9°	1628.0	1630.3	1633.5	1636.5
9.5°	1624.8	1627.3	1630.5	1633.5
10°	1620.9	1623.5	1627.6	1630.2
10.5°	1617.6	1621.0	1623.8	1627.2
11°	1613.7	1618.1	1621.5	1623.8
11.5°	1609.9	1614.2	1618.4	1620.3
12°	1606.1	1610.3	1615.1	1616.9
12.5°	1601.4	1606.2	1611.0	1613.7
13°	1596.9	1601.8	1607.0	1609.9
13.5°	1592.5	1597.5	1603.2	1605.6
14°	1587.7	1593.2	1598.5	1601.6
14.5°	1582.7	1589.3	1594.0	1597.6
15°	1577.6	1584.1	1589.5	1592.9
15.5°	1572.1	1578.8	1584.7	1588.7
16°	1566.6	1573.8	1580.5	1583.6
16.5°	1560.9	1568.3	1575.8	1577.9
17°	1555.6	1562.9	1570.1	1572.7
17.5°	1549.7	1557.5	1564.0	1568.2
18°	1544.0	1552.1	1558.6	1563.4
18.5°	1538.0	1546.5	1553.3	1557.3
19°	1531.4	1540.4	1547.6	1551.5
19.5°	1524.2	1534.2	1541.6	1545.7
20°	1517.6	1527.8	1535.2	1539.9
20.5°	1511.3	1520.9	1529.2	1534.0
21°	1504.9	1514.0	1522.4	1528.2



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1482.2	1493.4	1502.9	1507.8
23°	1474.6	1486.2	1495.5	1501.8
23.5°	1466.9	1478.5	1488.1	1494.3
24°	1459.0	1471.2	1481.0	1487.1
24.5°	1450.8	1463.5	1473.8	1480.3
25°	1442.8	1455.4	1466.3	1473.0
25.5°	1433.9	1447.8	1458.2	1465.1
26°	1426.3	1439.5	1450.4	1457.4
26.5°	1417.5	1431.2	1442.4	1449.3
27°	1408.8	1422.9	1433.9	1441.3
27.5°	1399.5	1415.0	1425.7	1433.3
28°	1390.6	1405.6	1417.5	1424.7
28.5°	1381.3	1396.8	1408.8	1416.3
29°	1371.4	1387.7	1400.2	1408.5
29.5°	1362.8	1378.3	1391.1	1399.8
30°	1353.3	1369.6	1382.1	1390.6
30.5°	1343.2	1359.9	1373.2	1381.9
31°	1333.0	1350.8	1364.0	1373.0
31.5°	1323.6	1340.5	1354.4	1363.7
32°	1313.2	1330.8	1344.6	1353.7
32.5°	1303.2	1320.9	1335.0	1344.1
33°	1293.2	1311.4	1325.2	1334.9
33.5°	1283.2	1301.9	1315.2	1325.0
34°	1272.1	1291.4	1305.3	1314.7
34.5°	1261.8	1280.6	1294.8	1304.3
35°	1251.3	1270.5	1285.0	1294.6
35.5°	1240.2	1259.8	1274.5	1284.6
36°	1229.2	1249.3	1263.9	1274.2
36.5°	1218.3	1238.3	1254.2	1263.4
37°	1207.4	1227.4	1243.7	1253.0
37.5°	1196.5	1216.5	1233.2	1242.8
38°	1185.1	1205.6	1221.6	1232.7
38.5°	1172.7	1194.6	1210.0	1221.2
39°	1160.8	1183.1	1198.5	1209.3
39.5°	1149.2	1171.5	1187.1	1197.7
40°	1137.7	1160.1	1176.4	1186.4
40.5°	1126.1	1148.6	1165.3	1175.7
41°	1113.9	1136.7	1153.4	1164.3
41.5°	1102.1	1124.6	1142.0	1152.4
42°	1089.6	1112.8	1130.2	1141.1
42.5°	1077.5	1101.0	1118.1	1129.7
43°	1065.3	1088.8	1106.1	1117.7
43.5°	1053.2	1076.5	1094.5	1105.2



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	1015.7	1040.4	1058.0	1068.9
45.5°	1003.6	1027.8	1045.3	1057.1
46°	990.8	1015.4	1033.0	1044.3
46.5°	978.4	1002.9	1020.4	1031.3
47°	966.2	990.4	1008.1	1018.7
47.5°	953.1	977.9	995.5	1006.6
48°	940.6	964.6	982.6	994.4
48.5°	927.4	952.3	970.2	981.3
49°	914.8	939.7	957.6	969.1
49.5°	902.3	926.5	944.6	956.2
50°	889.0	913.6	931.5	943.3
50.5°	876.3	901.0	918.5	930.0
51°	864.0	887.7	905.9	917.3
51.5°	851.0	875.2	893.2	904.2
52°	837.7	862.0	879.6	891.5
52.5°	824.8	848.9	866.9	878.1
53°	811.8	835.9	853.5	865.1
53.5°	799.2	822.8	840.6	851.9
54°	786.3	809.7	827.4	838.8
54.5°	773.5	796.7	814.2	825.4
55°	760.8	783.8	801.1	811.9
55.5°	746.9	771.0	787.7	799.0
56°	734.1	757.0	774.2	785.3
56.5°	721.4	744.4	761.4	772.2
57°	708.7	731.2	748.0	759.4
57.5°	695.3	718.1	734.9	745.5
58°	682.5	704.4	721.1	731.9
58.5°	669.5	691.4	707.9	718.9
59°	657.1	678.1	694.6	705.3
59.5°	643.8	665.0	681.5	691.9
60°	630.9	651.7	668.2	678.2
60.5°	617.7	638.7	654.6	664.9
61°	605.3	625.7	641.1	651.4
61.5°	592.2	612.4	627.7	638.1
62°	579.4	599.3	614.3	624.5
62.5°	566.6	586.4	600.9	611.1
63°	554.1	573.1	587.5	597.6
63.5°	541.2	559.9	574.3	584.3
64°	528.1	546.9	560.8	570.6
64.5°	515.6	533.8	547.8	556.8
65°	503.3	520.5	534.4	543.1
65.5°	490.3	507.8	520.9	529.3
66°	478.3	495.0	507.6	515.5



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	440.6	456.1	468.1	475.4
68°	428.1	442.9	454.6	462.3
68.5°	415.6	430.2	441.1	448.7
69°	403.7	417.1	428.3	435.3
69.5°	391.4	404.3	414.9	422.0
70°	379.0	391.8	402.0	408.6
70.5°	366.8	379.1	388.8	395.3
71°	354.9	366.4	375.9	382.2
71.5°	342.8	353.7	362.7	369.0
72°	330.8	341.3	349.7	356.0
72.5°	318.8	329.0	336.6	343.0
73°	307.0	316.3	324.0	329.7
73.5°	295.7	304.3	311.3	316.3
74°	284.0	291.8	298.6	303.7
74.5°	272.2	279.6	286.0	290.9
75°	260.8	267.2	273.2	278.1
75.5°	249.6	255.5	260.6	265.1
76°	238.6	243.5	248.8	252.6
76.5°	227.4	231.9	236.1	240.2
77°	216.5	220.1	224.1	227.8
77.5°	205.5	208.8	212.0	215.3
78°	195.0	197.1	200.2	203.4
78.5°	184.6	186.2	188.1	191.2
79°	174.2	175.2	176.7	179.2
79.5°	164.2	164.5	165.7	167.5
80°	154.7	154.3	154.9	156.4
80.5°	145.2	144.1	144.2	145.0
81°	135.8	133.9	133.4	133.9
81.5°	126.3	123.7	122.6	123.0
82°	116.9	113.5	111.9	112.4
82.5°	108.1	104.2	101.8	101.5
83°	99.3	95.0	92.3	91.9
83.5°	91.0	86.0	82.7	82.2
84°	83.0	77.3	73.6	73.0
84.5°	75.6	69.2	64.8	63.9
85°	68.1	61.4	56.7	55.6
85.5°	61.5	54.0	48.8	48.3
86°	55.0	47.1	41.5	41.1
86.5°	48.9	40.6	34.5	33.9
87°	43.1	34.6	28.3	26.7
87.5°	37.9	29.1	23.8	20.5
88°	33.1	24.4	19.4	14.8
88.5°	28.8	21.2	14.9	9.9



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	18.4	11.5	4.2	3.2
90.5°	16.6	8.4	2.9	1.7
91°	14.8	6.9	2.1	0.3
91.5°	13.0	5.8	1.7	0.3
92°	11.2	5.0	1.4	0.2
92.5°	9.4	4.5	1.3	0.2
93°	8.6	4.2	1.2	0.2
93.5°	7.9	3.9	1.1	0.2
94°	7.4	3.6	1.1	0.2
94.5°	7.1	3.4	1.0	0.3
95°	6.7	3.3	1.0	0.4
95.5°	6.3	3.2	1.0	0.4
96°	6.0	3.2	1.0	0.5
96.5°	5.7	3.2	1.0	0.5
97°	5.5	3.1	1.0	0.6
97.5°	5.5	3.0	0.9	0.7
98°	5.4	2.9	0.9	0.7
98.5°	5.4	2.7	0.9	0.8
99°	5.4	2.7	0.9	0.9
99.5°	5.3	2.6	1.0	0.9
100°	5.2	2.6	1.1	1.0
100.5°	5.1	2.6	1.1	1.2
101°	4.9	2.5	1.2	1.3
101.5°	4.7	2.5	1.3	1.4
102°	4.6	2.5	1.3	1.5
102.5°	4.4	2.4	1.4	1.5
103°	4.3	2.3	1.5	1.6
103.5°	4.1	2.2	1.6	1.7
104°	4.0	2.1	1.6	1.7
104.5°	3.9	2.0	1.7	1.7
105°	3.9	2.0	1.7	1.8
105.5°	3.8	2.0	1.8	1.7
106°	3.7	1.9	1.9	1.7
106.5°	3.6	1.8	2.2	1.7
107°	3.5	1.7	2.3	1.7
107.5°	3.3	1.7	2.2	1.7
108°	3.2	1.7	2.1	1.7
108.5°	3.1	1.7	2.2	1.7
109°	2.9	1.7	2.1	1.8
109.5°	2.8	1.7	2.1	1.8
110°	2.7	1.7	2.0	1.8
110.5°	2.6	1.7	2.0	1.8
111°	2.5	1.8	2.0	1.8



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	2.4	1.9	2.1	1.8
113°	2.4	1.9	2.1	1.8
113.5°	2.2	2.0	2.1	1.9
114°	2.1	2.0	2.1	1.9
114.5°	2.1	2.1	2.2	1.9
115°	2.1	2.1	2.2	1.9
115.5°	2.0	2.1	2.2	2.0
116°	2.0	2.2	2.2	2.0
116.5°	2.1	2.2	2.2	2.0
117°	2.1	2.3	2.2	1.9
117.5°	2.2	2.5	2.2	2.0
118°	2.2	2.6	2.2	2.0
118.5°	2.3	2.7	2.2	2.0
119°	2.3	2.8	2.2	2.0
119.5°	2.4	2.8	2.3	2.0
120°	2.4	2.7	2.3	2.1
120.5°	2.5	2.8	2.4	2.1
121°	2.5	2.8	2.4	2.1
121.5°	2.5	2.7	2.4	2.1
122°	2.5	2.7	2.4	2.1
122.5°	2.5	2.7	2.4	2.1
123°	2.6	2.6	2.4	2.2
123.5°	2.6	2.6	2.4	2.2
124°	2.6	2.5	2.5	2.2
124.5°	2.7	2.5	2.5	2.2
125°	2.8	2.6	2.5	2.2
125.5°	2.9	2.7	2.6	2.3
126°	3.1	2.8	2.6	2.3
126.5°	3.2	2.9	2.6	2.3
127°	3.3	2.9	2.6	2.3
127.5°	3.4	3.0	2.6	2.4
128°	3.5	3.0	2.7	2.4
128.5°	3.5	3.0	2.7	2.4
129°	3.4	3.0	2.7	2.4
129.5°	3.4	3.0	2.8	2.4
130°	3.4	3.0	2.8	2.5
130.5°	3.4	3.0	2.7	2.5
131°	3.3	3.0	2.5	2.5
131.5°	3.2	3.0	2.5	2.5
132°	3.2	3.0	2.5	2.5
132.5°	3.1	3.0	2.6	2.5
133°	3.1	3.0	2.8	2.5
133.5°	3.1	2.9	2.8	2.5



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	3.5	2.7	1.9	1.7
158°	3.5	2.7	1.9	1.7
158.5°	3.5	2.7	1.9	1.7
159°	3.5	2.7	1.9	1.7
159.5°	3.6	2.6	1.9	1.7
160°	3.6	2.6	1.9	1.8
160.5°	3.6	2.6	1.9	1.8
161°	3.6	2.6	1.8	1.8
161.5°	3.6	2.6	1.8	1.8
162°	3.6	2.6	1.8	1.8
162.5°	3.6	2.5	1.8	1.8
163°	3.5	2.4	1.8	1.8
163.5°	3.6	2.3	1.8	1.8
164°	3.6	2.3	1.8	1.8
164.5°	3.2	2.3	1.8	1.8
165°	3.0	2.2	1.8	1.8
165.5°	3.3	2.1	1.8	1.8
166°	3.4	2.0	1.8	1.8
166.5°	3.0	1.9	1.8	1.9
167°	2.7	2.0	1.8	1.9
167.5°	3.2	2.2	1.8	1.9
168°	3.4	2.5	1.9	1.9
168.5°	3.1	2.4	2.0	1.9
169°	3.1	2.5	2.0	1.9
169.5°	3.2	2.6	2.1	2.0
170°	3.1	2.6	2.4	2.1
170.5°	3.1	2.6	2.5	2.3
171°	3.3	2.9	2.5	2.6
171.5°	3.3	3.0	2.7	2.6
172°	3.3	3.0	2.9	2.7
172.5°	3.3	3.1	2.9	2.8
173°	3.2	3.1	2.9	2.8
173.5°	3.2	3.1	3.0	2.8
174°	3.2	3.1	3.0	2.9
174.5°	3.2	3.1	3.1	3.0
175°	3.2	3.1	3.1	3.0
175.5°	3.1	3.1	3.1	3.1
176°	3.1	3.1	3.1	3.1
176.5°	3.1	3.1	3.1	3.1
177°	3.1	3.1	3.1	3.1
177.5°	3.1	3.1	3.1	3.1
178°	3.1	3.1	3.1	3.1
178.5°	3.1	3.1	3.1	3.1



TEST NUMBER: P563546

CATALOG NUMBER: 4NWS3C3-UNV-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	2.9	2.9	2.9	2.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	1521.8	1525.4	1525.1	1522.3	1516.7	1510.1	1503.1	1497.2	1492.2	1489.8	1488.8
22°	1514.6	1518.5	1518.5	1515.2	1509.7	1502.9	1495.1	1489.1	1484.6	1481.3	1480.5



44°	1093.2	1097.2	1092.1	1080.5	1061.8	1038.8	1015.4	995.3	980.5	973.2	974.2
44.5°	1081.1	1084.5	1080.3	1068.0	1049.2	1025.8	1002.8	982.4	967.6	960.5	960.5



66.5°	502.1	506.8	505.5	498.5	487.1	471.3	456.7	443.9	434.6	429.2	427.7
67°	488.6	493.0	492.5	486.1	474.7	459.8	446.0	433.3	423.9	418.8	417.8



89°	6.2	12.1	23.1	35.6	47.4	55.6	62.1	66.0	67.4	66.8	64.4
89.5°	4.6	8.5	18.9	31.0	42.7	51.5	58.0	61.3	62.9	62.4	60.0



111.5°	1.8	1.8	1.5	1.3	1.8	2.7	4.0	5.2	6.0	6.2	6.0
112°	1.8	1.8	1.5	1.4	1.7	2.6	3.8	4.9	5.7	6.0	5.7



134°	2.6	2.6	2.6	3.1	3.2	2.8	2.8	2.8	2.9	3.0	3.1
134.5°	2.6	2.6	2.6	3.1	3.3	2.9	2.8	2.9	2.9	3.0	3.2



156.5°	1.7	2.7	3.2	3.1	3.1	3.1	3.3	3.6	3.8	4.0	4.0
157°	1.7	2.7	3.2	3.1	3.1	3.1	3.2	3.5	3.7	3.9	3.9



179°	3.1	3.0	2.8	2.7	2.5	2.4	2.5	2.7	2.9	3.1	3.0
179.5°	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.8	2.9	2.9	2.9





21.5°	1490.2	1494.1	1497.6	1502.1	1506.2	1508.0	1508.1	1506.2	1501.6	1494.5	1485.6
22°	1482.0	1485.6	1490.1	1495.0	1499.5	1501.0	1501.3	1499.4	1494.3	1487.1	1477.9



44°	981.3	995.9	1014.8	1032.5	1048.4	1059.7	1064.2	1062.3	1054.6	1040.4	1019.6
44.5°	968.7	983.6	1002.0	1019.4	1035.8	1047.2	1051.1	1050.3	1042.6	1027.8	1006.7



66.5°	430.8	437.4	446.4	455.5	463.5	468.8	467.6	466.7	461.0	452.8	440.9
67°	420.6	426.5	435.0	443.4	450.6	454.9	454.7	453.4	447.9	439.9	428.5



89°	60.1	54.0	46.3	35.3	23.7	12.7	5.1	0.8	4.2	11.8	19.3
89.5°	56.1	50.1	42.0	31.5	20.4	10.2	4.0	0.7	3.1	8.8	17.5



111.5°	5.2	4.1	3.0	2.3	2.3	2.8	3.4	3.1	3.6	2.7	3.1
112°	5.0	4.0	2.9	2.2	2.3	2.9	3.4	3.1	3.7	2.7	3.1



134°	3.3	3.8	4.3	5.3	5.4	4.3	3.8	3.5	4.4	4.6	4.2
134.5°	3.4	3.8	4.4	5.4	5.4	4.3	3.8	3.5	4.4	4.6	4.2



156.5°	3.9	3.7	3.6	3.7	3.7	3.5	3.3	2.9	3.1	3.5	3.9
157°	3.8	3.7	3.6	3.7	3.6	3.5	3.2	2.9	3.1	3.5	3.9



179°	2.9	2.8	2.7	2.7	2.7	2.8	2.8	2.8	2.9	3.0	3.0
179.5°	2.9	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7





21.5°	1475.9	1465.5	1457.0	1449.9	1446.4	1445.6	1447.6	1453.9	1462.9	1474.5	1486.2
22°	1468.1	1456.8	1447.7	1441.5	1437.7	1436.0	1438.9	1444.5	1454.1	1465.8	1478.2



44°	996.4	970.7	948.0	929.9	918.8	915.9	921.6	936.0	958.0	984.4	1014.0
44.5°	984.0	957.5	935.0	917.1	905.5	902.5	908.6	923.3	945.2	972.0	1000.8



66.5°	427.7	414.0	402.3	393.5	388.4	387.9	391.8	400.4	412.9	429.2	447.1
67°	415.6	402.6	391.6	383.4	378.5	378.1	381.4	390.1	402.2	417.7	435.2



89°	28.1	36.1	42.4	47.0	49.9	51.2	51.0	49.2	45.7	40.3	33.2
89.5°	25.1	32.8	39.0	43.6	46.5	47.7	47.4	45.6	42.0	36.6	29.6



111.5°	4.9	7.0	8.6	9.6	10.3	10.6	10.3	9.4	7.9	6.3	4.3
112°	4.7	6.8	8.4	9.4	10.0	10.3	10.1	9.1	7.7	6.1	4.1



134°	4.0	3.4	3.0	2.8	2.7	2.6	2.6	2.7	2.8	3.0	3.4
134.5°	4.0	3.5	3.1	2.8	2.7	2.6	2.7	2.7	2.8	3.1	3.5



156.5°	4.2	4.2	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5
157°	4.3	4.1	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.5



179°	3.0	3.0	2.8	2.7	2.7	2.8	2.9	3.0	3.1	3.1	3.1
179.5°	2.7	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.0





21.5°	1497.4	1507.7	1515.8	1521.8
22°	1489.5	1501.2	1509.7	1514.6



44°	1040.9	1064.8	1081.9	1093.2
44.5°	1029.2	1052.2	1070.1	1081.1



66.5°	465.4	482.0	494.4	502.1
67°	452.9	469.0	481.4	488.6



89°	24.9	17.9	10.5	6.2
89.5°	21.4	14.7	6.2	4.6



111.5°	2.5	1.8	2.1	1.8
112°	2.4	1.8	2.1	1.8



134°	3.1	2.9	2.8	2.6
134.5°	3.1	2.9	2.7	2.6



156.5°	3.5	2.8	2.0	1.7
157°	3.5	2.7	1.9	1.7



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



(END OF REPORT)