

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: P563548

Luminaire Tested: **4NWS3C3-UNV-MED-5000K**

Issue Date: 7/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563548  
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-5000K  
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND MED LUMEN SETTING  
Light Source: -  
Ballast/Driver:

**Summary**

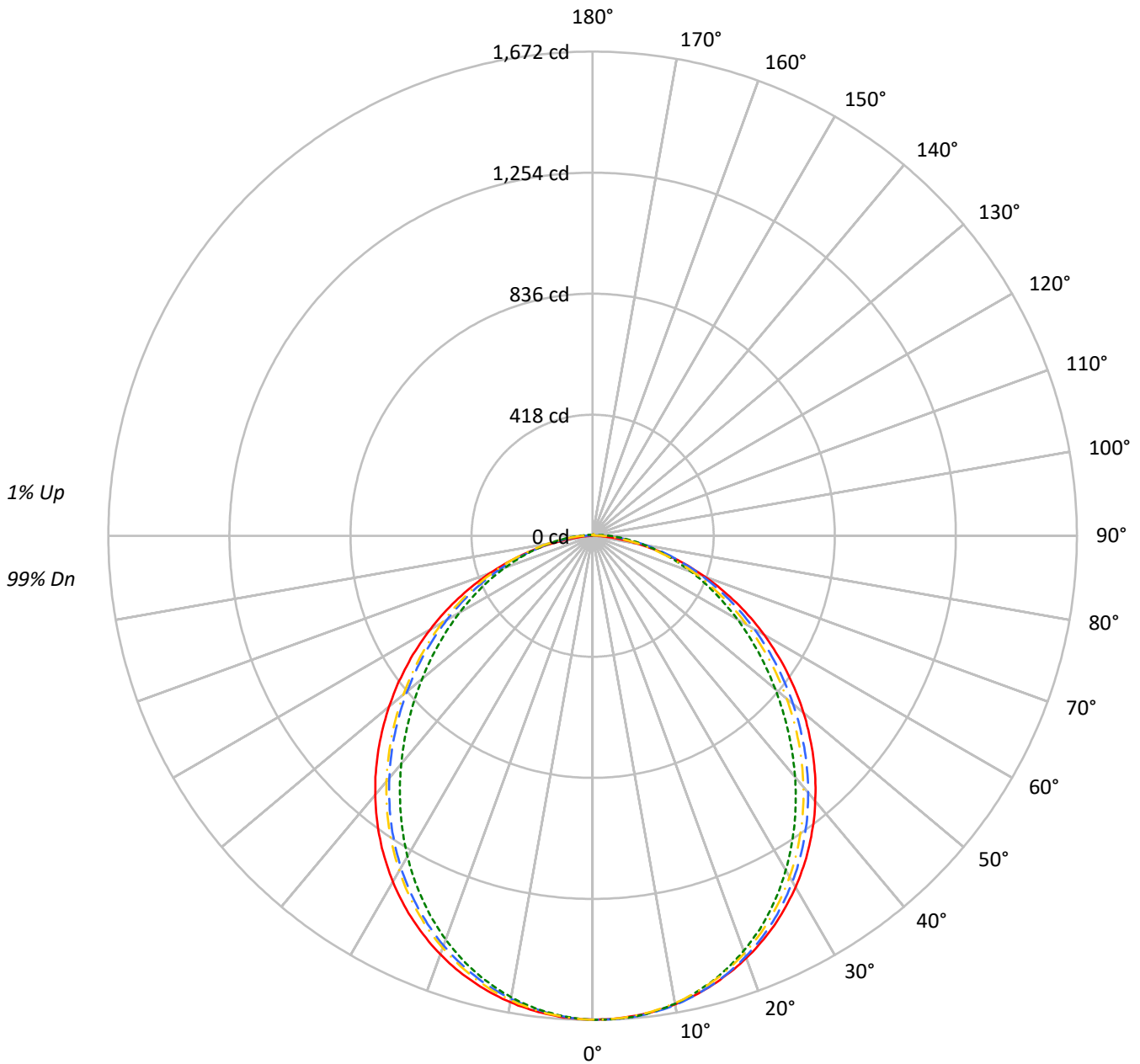
Lumens per Lamp: N/A  
Luminaire Lumens: 4357.0 lumens  
Efficiency: N/A  
Efficacy: 131.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.17 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 33.2  
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°	10158	10158	10158	10158
5°	10134	10005	10116	9931
10°	10102	9804	10058	9670
15°	10045	9547	9977	9351
20°	9962	9234	9873	8984
25°	9859	8870	9736	8559
30°	9718	8445	9564	8096
35°	9541	7970	9357	7585
40°	9323	7454	9105	7047
45°	9071	6911	8810	6491
50°	8771	6360	8462	5939
55°	8420	5831	8062	5398
60°	8020	5304	7598	4867
65°	7536	4768	7041	4329
70°	6922	4231	6329	3772
75°	6110	3673	5364	3177
80°	4936	3071	4018	2550
85°	3157	2452	2029	1948



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.7	3.6
10°-20°	447.7	10.3
20°-30°	664.8	15.3
30°-40°	775.0	17.8
40°-50°	767.2	17.6
50°-60°	658.9	15.1
60°-70°	482.2	11.1
70°-80°	273.7	6.3
80°-90°	91.2	2.1
90°-100°	16.5	0.4
100°-110°	7.0	0.2
110°-120°	4.2	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°	1270.2	29.2
0°-40°	2045.2	46.9
0°-60°	3471.2	79.7
0°-90°	4318.4	99.1
90°-120°	27.6	0.6
90°-150°	35.7	0.8
90°-180°	39.0	0.9
0°-180°	4357.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1671	1671	1671	1671	1671	
5°	1664	1667	1661	1654	1664	158
15°	1605	1593	1594	1561	1605	453
25°	1484	1438	1466	1388	1484	684
35°	1304	1215	1279	1156	1304	816
45°	1077	955	1046	897	1077	830
55°	818	698	783	646	818	731
65°	547	465	511	422	547	542
75°	280	266	246	230	280	297
85°	56	110	36	88	56	67
90°	3	58	1	45	3	3
95°	0	28	1	24	0	0
105°	2	10	2	14	2	2
115°	2	5	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	4	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°	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1
0.5°	1670.7	1670.8	1670.9	1671.1	1671.2	1671.3	1671.4	1671.5	1671.5	1671.5	1671.5
1°	1670.5	1670.7	1671.0	1671.3	1671.6	1671.6	1671.7	1671.7	1671.1	1670.6	1671.0
1.5°	1670.6	1671.2	1671.3	1670.7	1670.5	1670.7	1671.3	1671.7	1671.1	1671.9	1672.1
2°	1670.3	1670.7	1670.8	1670.7	1671.1	1671.6	1671.9	1671.9	1671.0	1671.1	1671.5
2.5°	1669.6	1670.1	1670.1	1670.2	1670.3	1669.8	1670.0	1669.8	1671.5	1670.5	1669.8
3°	1668.5	1668.8	1669.5	1669.9	1670.3	1670.4	1670.7	1671.0	1670.5	1670.3	1670.3
3.5°	1667.4	1668.2	1668.9	1670.2	1669.6	1670.0	1670.0	1669.6	1670.1	1668.9	1668.5
4°	1666.6	1668.1	1667.7	1669.2	1668.8	1669.1	1669.0	1668.7	1667.8	1669.6	1668.1
4.5°	1664.8	1666.2	1666.7	1667.6	1668.5	1668.4	1667.7	1668.5	1667.8	1667.9	1666.3
5°	1663.8	1665.1	1665.6	1666.2	1667.2	1667.1	1665.6	1666.2	1666.7	1666.6	1665.2
5.5°	1662.7	1663.9	1664.6	1664.9	1665.4	1664.9	1664.4	1664.4	1665.1	1664.7	1663.1
6°	1661.3	1662.5	1662.8	1663.6	1664.4	1663.6	1663.3	1662.8	1662.9	1662.5	1660.8
6.5°	1659.6	1661.0	1661.2	1661.7	1662.7	1662.0	1662.1	1661.0	1661.0	1660.9	1659.1
7°	1657.9	1658.7	1660.1	1659.7	1659.8	1658.8	1660.2	1658.7	1658.5	1658.4	1657.0
7.5°	1655.6	1656.5	1657.7	1658.6	1658.4	1657.6	1657.1	1656.5	1655.9	1654.6	1654.7
8°	1653.9	1653.9	1655.8	1656.0	1655.9	1655.3	1654.7	1654.2	1653.6	1652.7	1652.2
8.5°	1650.8	1651.1	1653.6	1653.2	1653.6	1653.1	1652.1	1651.5	1650.4	1649.8	1648.6
9°	1649.0	1650.5	1650.6	1651.3	1651.3	1650.7	1648.9	1648.6	1647.4	1647.8	1645.4
9.5°	1646.0	1647.4	1648.6	1648.3	1648.6	1647.1	1645.2	1645.2	1644.4	1642.8	1642.2
10°	1642.7	1644.6	1645.5	1645.6	1645.3	1644.2	1642.3	1641.2	1640.7	1641.0	1639.3
10.5°	1639.6	1641.2	1642.7	1642.8	1642.1	1640.9	1638.7	1637.5	1636.9	1636.6	1635.3
11°	1636.2	1637.3	1639.2	1639.3	1638.7	1637.9	1634.6	1634.2	1633.8	1632.7	1631.4
11.5°	1632.6	1634.8	1635.7	1636.1	1634.7	1634.2	1631.0	1630.6	1629.5	1628.7	1627.3
12°	1629.2	1631.2	1632.7	1632.9	1631.3	1630.0	1627.6	1626.3	1624.0	1624.4	1622.1
12.5°	1626.0	1627.6	1629.0	1629.1	1627.0	1626.1	1623.6	1621.9	1620.0	1619.5	1618.2
13°	1622.2	1624.3	1625.4	1624.9	1622.5	1622.1	1618.9	1617.5	1615.7	1614.0	1613.4
13.5°	1617.9	1620.4	1621.6	1621.1	1618.6	1617.7	1613.5	1612.3	1610.7	1608.8	1607.4
14°	1613.8	1616.2	1617.2	1617.4	1614.2	1612.3	1609.4	1607.3	1605.5	1603.4	1602.7
14.5°	1609.8	1612.0	1613.0	1613.0	1609.2	1607.9	1605.0	1602.0	1599.4	1598.7	1596.6
15°	1605.1	1607.8	1608.4	1608.0	1605.1	1603.2	1599.4	1596.7	1594.2	1593.3	1592.0
15.5°	1600.8	1603.4	1603.5	1602.7	1600.7	1598.3	1593.4	1591.7	1588.4	1587.7	1585.6
16°	1595.7	1598.8	1599.2	1598.1	1595.2	1592.5	1588.2	1585.6	1583.1	1581.1	1579.3
16.5°	1589.9	1593.9	1594.7	1593.4	1589.9	1586.9	1582.3	1579.2	1576.7	1574.2	1573.6
17°	1584.7	1589.0	1589.0	1588.4	1585.1	1581.4	1576.6	1572.9	1570.0	1568.7	1567.8
17.5°	1580.2	1583.5	1583.9	1582.7	1579.4	1575.2	1569.6	1566.6	1563.0	1562.3	1560.4
18°	1575.4	1577.9	1578.7	1577.1	1573.3	1569.3	1563.8	1560.1	1556.5	1554.6	1553.9
18.5°	1569.2	1573.2	1573.6	1571.8	1567.6	1563.3	1557.2	1553.0	1550.1	1547.6	1546.7
19°	1563.4	1567.7	1568.1	1565.6	1561.7	1556.7	1551.1	1546.1	1542.6	1540.3	1539.9
19.5°	1557.5	1561.4	1561.7	1559.6	1555.1	1549.7	1543.7	1539.2	1534.8	1533.8	1531.2
20°	1551.7	1555.3	1555.2	1553.3	1548.8	1542.9	1536.2	1531.5	1527.7	1524.9	1524.2
20.5°	1545.7	1549.5	1549.3	1547.0	1542.3	1536.4	1529.0	1523.8	1520.2	1517.4	1516.1
21°	1539.8	1543.5	1543.1	1540.4	1535.0	1529.1	1522.1	1516.1	1512.5	1509.0	1508.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1519.4	1523.2	1523.5	1519.8	1514.1	1506.9	1498.7	1492.1	1487.3	1484.5	1482.7
23°	1513.3	1516.5	1516.2	1512.7	1506.8	1499.4	1490.8	1483.7	1478.4	1476.6	1474.5
23.5°	1505.7	1509.7	1509.2	1505.4	1499.3	1491.2	1482.7	1474.8	1469.5	1466.8	1465.4
24°	1498.4	1502.6	1502.3	1497.8	1491.3	1483.2	1473.6	1466.0	1460.5	1457.7	1456.6
24.5°	1491.6	1495.2	1494.6	1490.5	1483.1	1474.8	1466.1	1457.6	1451.3	1448.3	1446.7
25°	1484.2	1488.1	1486.9	1482.7	1475.4	1466.2	1457.1	1448.5	1441.9	1438.2	1437.5
25.5°	1476.2	1480.2	1479.4	1474.7	1467.9	1457.7	1447.8	1439.0	1432.7	1429.0	1427.5
26°	1468.5	1471.8	1471.4	1466.0	1459.5	1448.7	1438.4	1429.1	1422.3	1418.3	1418.1
26.5°	1460.4	1464.3	1462.5	1458.5	1450.1	1439.7	1428.8	1419.7	1412.6	1409.0	1407.5
27°	1452.3	1456.8	1454.6	1449.5	1441.3	1430.8	1419.5	1409.9	1402.7	1398.1	1398.0
27.5°	1444.3	1448.5	1446.9	1440.7	1432.5	1421.2	1410.8	1399.8	1391.6	1388.5	1387.5
28°	1435.6	1440.1	1438.7	1432.4	1423.6	1411.9	1399.7	1390.0	1381.7	1377.7	1376.4
28.5°	1427.1	1431.5	1430.0	1423.9	1414.9	1402.7	1390.1	1379.8	1370.6	1366.0	1365.5
29°	1419.2	1423.1	1421.4	1414.8	1405.0	1392.8	1380.3	1369.1	1361.1	1356.3	1355.0
29.5°	1410.5	1414.6	1412.3	1406.1	1395.6	1383.0	1370.6	1358.5	1348.9	1345.0	1345.0
30°	1401.2	1404.9	1403.3	1396.2	1386.1	1372.9	1359.5	1347.8	1338.4	1333.5	1333.9
30.5°	1392.4	1396.0	1394.1	1387.5	1376.4	1362.4	1349.1	1336.9	1326.2	1322.6	1321.8
31°	1383.5	1387.4	1384.6	1378.1	1367.0	1352.6	1338.0	1325.7	1316.2	1311.4	1310.1
31.5°	1374.1	1378.3	1375.5	1368.0	1357.1	1342.5	1327.2	1314.2	1304.6	1299.5	1298.3
32°	1364.0	1368.0	1365.6	1357.7	1346.4	1331.4	1316.5	1303.3	1293.0	1287.5	1287.1
32.5°	1354.4	1358.3	1356.0	1347.5	1336.0	1320.7	1305.6	1292.1	1282.2	1275.7	1275.5
33°	1345.1	1349.0	1346.0	1338.3	1325.7	1310.3	1294.7	1280.3	1270.1	1264.1	1263.9
33.5°	1335.1	1338.9	1336.2	1328.3	1315.6	1299.5	1283.4	1269.0	1257.7	1251.9	1251.5
34°	1324.8	1329.3	1326.1	1317.5	1305.0	1288.0	1271.4	1256.9	1245.8	1239.5	1239.4
34.5°	1314.2	1319.0	1315.9	1307.2	1294.4	1276.9	1259.7	1244.2	1233.3	1227.6	1226.9
35°	1304.5	1308.8	1305.9	1296.9	1283.1	1265.7	1248.4	1232.4	1220.6	1215.1	1215.0
35.5°	1294.4	1298.3	1295.9	1286.4	1271.9	1254.0	1236.5	1220.5	1208.3	1202.8	1202.5
36°	1283.9	1288.5	1284.5	1275.7	1261.1	1242.6	1224.7	1208.3	1195.7	1190.4	1189.9
36.5°	1273.1	1277.2	1274.0	1264.2	1250.3	1231.4	1212.8	1195.8	1183.4	1177.1	1177.7
37°	1262.6	1266.3	1263.1	1253.5	1238.8	1219.9	1200.9	1183.8	1170.2	1164.5	1164.9
37.5°	1252.3	1255.4	1252.2	1242.6	1227.2	1208.0	1188.5	1171.2	1158.0	1151.8	1152.0
38°	1242.1	1244.5	1241.7	1230.9	1215.8	1196.0	1176.1	1158.6	1145.6	1138.7	1138.5
38.5°	1230.5	1233.6	1229.6	1219.7	1203.9	1184.0	1163.8	1145.7	1132.8	1126.6	1126.1
39°	1218.5	1222.5	1218.7	1208.2	1192.2	1172.1	1151.6	1133.1	1120.2	1113.1	1112.6
39.5°	1206.8	1211.7	1207.4	1196.8	1180.1	1159.5	1139.2	1120.4	1106.6	1100.5	1100.4
40°	1195.4	1199.9	1196.2	1184.6	1168.3	1147.0	1126.1	1107.7	1093.6	1087.2	1087.3
40.5°	1184.7	1188.3	1184.7	1173.3	1156.2	1134.9	1113.5	1094.6	1080.3	1074.0	1073.5
41°	1173.2	1176.6	1173.0	1161.3	1144.1	1122.2	1100.9	1081.9	1067.4	1061.0	1060.2
41.5°	1161.2	1164.7	1160.8	1149.7	1132.0	1109.9	1087.8	1068.5	1053.5	1047.4	1047.3
42°	1149.8	1153.6	1149.3	1137.1	1120.1	1097.7	1075.7	1055.7	1041.1	1034.9	1033.9
42.5°	1138.3	1141.8	1137.2	1125.7	1106.9	1084.9	1062.7	1042.8	1028.0	1021.2	1020.7
43°	1126.2	1129.6	1125.3	1112.7	1094.6	1072.0	1049.7	1029.5	1014.7	1008.3	1007.7
43.5°	1113.6	1117.8	1113.0	1101.1	1082.8	1059.5	1036.5	1016.4	1001.3	994.6	994.6



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	1077.1	1080.8	1076.1	1063.4	1045.1	1020.9	997.6	976.9	961.6	954.7	954.5
45.5°	1065.1	1068.6	1063.6	1050.7	1031.7	1008.0	984.6	963.7	948.7	941.2	941.3
46°	1052.3	1056.1	1051.3	1038.2	1019.0	994.9	971.2	950.6	935.9	927.5	928.3
46.5°	1039.2	1043.2	1038.4	1025.5	1006.1	981.8	957.8	937.4	921.9	915.1	915.3
47°	1026.5	1030.9	1026.5	1012.8	993.5	968.8	944.8	924.0	908.5	901.9	901.6
47.5°	1014.3	1018.0	1013.6	1000.7	981.0	955.9	932.1	910.4	895.5	888.7	888.3
48°	1002.0	1005.5	1000.6	988.0	968.3	942.8	919.0	897.6	882.7	875.0	875.7
48.5°	988.8	992.2	987.5	974.8	955.0	929.9	906.2	884.6	869.1	862.4	862.6
49°	976.5	980.4	974.5	961.2	942.0	916.9	892.8	871.6	856.4	849.0	849.0
49.5°	963.5	967.0	962.6	948.8	928.7	903.8	880.0	858.5	843.0	836.0	836.4
50°	950.5	954.4	949.2	936.1	915.5	890.5	867.1	845.3	830.7	822.8	823.1
50.5°	937.1	941.2	936.3	923.4	902.8	877.7	853.8	832.2	817.0	810.1	809.8
51°	924.3	928.3	922.9	909.5	889.9	864.6	840.9	819.7	805.0	797.0	796.6
51.5°	911.1	915.2	909.9	896.9	876.9	851.6	827.5	806.6	791.4	785.2	784.4
52°	898.3	902.3	897.2	883.7	863.6	838.9	815.0	794.2	779.1	771.5	771.7
52.5°	884.8	888.6	883.3	870.5	850.4	825.4	801.9	781.3	766.7	759.4	759.2
53°	871.7	875.7	870.6	857.2	837.2	812.4	788.9	768.5	754.2	746.3	746.0
53.5°	858.4	862.1	857.1	844.2	824.0	799.6	776.2	756.0	740.6	734.4	733.5
54°	845.2	848.7	844.1	831.3	811.1	786.5	763.5	743.1	728.6	721.3	721.5
54.5°	831.7	835.7	830.5	817.9	798.5	773.4	750.3	730.4	715.8	708.9	708.9
55°	818.1	822.4	817.6	804.7	784.8	760.3	737.5	717.7	703.8	697.6	696.1
55.5°	805.1	808.9	804.0	791.8	772.3	747.8	724.9	704.9	691.0	684.7	683.6
56°	791.3	795.3	791.0	778.3	759.2	735.4	712.7	692.5	679.0	672.2	671.8
56.5°	778.1	782.2	777.6	765.2	746.3	722.3	699.8	680.4	666.9	660.2	659.7
57°	765.2	768.6	764.0	751.8	732.8	709.5	687.2	668.1	654.4	648.3	647.6
57.5°	751.2	755.7	750.2	738.9	720.3	697.0	674.8	655.7	642.7	636.1	635.4
58°	737.5	741.7	737.7	725.1	706.4	684.3	662.6	643.9	630.6	623.7	623.9
58.5°	724.4	728.3	723.8	712.4	693.9	671.3	649.9	631.5	618.7	612.2	611.8
59°	710.6	715.3	710.5	699.2	681.0	658.7	637.5	619.2	607.2	601.0	600.0
59.5°	697.2	701.2	697.1	686.0	668.2	646.1	625.5	607.9	595.5	589.8	587.7
60°	683.4	687.8	684.0	672.7	655.0	633.6	613.1	596.2	583.9	578.0	576.1
60.5°	670.0	673.9	670.4	659.6	642.9	621.2	601.6	584.7	572.2	566.1	564.6
61°	656.4	660.1	656.9	646.7	630.1	609.1	586.3	572.7	560.4	554.3	553.0
61.5°	643.0	647.3	643.2	632.7	616.8	596.4	574.1	560.7	548.6	542.5	541.4
62°	629.3	633.8	630.5	620.1	603.6	583.7	562.9	548.8	536.8	530.7	529.8
62.5°	615.8	619.8	617.2	607.4	591.3	571.4	551.7	537.0	525.1	519.1	518.3
63°	602.2	606.5	603.6	594.2	578.5	559.2	540.4	525.2	514.0	508.2	507.3
63.5°	588.8	592.7	590.2	580.6	565.7	546.9	529.3	513.8	503.0	497.3	496.4
64°	575.0	579.0	576.3	568.9	552.9	534.7	517.3	502.7	492.0	486.4	485.3
64.5°	561.1	565.2	562.9	564.6	540.5	522.5	505.9	491.4	481.0	475.3	474.1
65°	547.3	551.5	549.5	548.9	528.7	510.3	494.5	480.3	470.0	464.8	463.4
65.5°	533.4	537.8	536.2	533.4	516.0	498.2	482.7	469.1	459.2	453.7	452.5
66°	519.5	524.1	522.8	517.7	503.2	486.5	471.4	458.1	448.6	443.1	442.1





TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	479.1	483.4	482.9	476.8	466.0	451.6	437.8	426.1	416.9	411.7	410.3
68°	465.8	470.1	469.5	464.2	453.7	439.9	426.6	415.3	406.7	401.5	400.1
68.5°	452.2	456.7	456.8	451.0	441.5	428.3	415.8	404.5	396.4	391.6	389.3
69°	438.6	443.3	443.6	439.1	429.5	416.6	404.9	394.1	385.7	381.2	379.6
69.5°	425.3	430.4	430.5	426.4	417.8	405.3	394.0	383.6	375.5	370.9	369.3
70°	411.7	416.9	417.6	414.0	405.8	394.2	383.2	373.0	365.5	360.7	359.2
70.5°	398.3	403.4	404.6	401.3	394.2	383.1	372.7	363.0	355.7	351.1	349.1
71°	385.2	389.9	391.7	389.1	382.1	371.9	361.9	352.8	345.9	341.4	339.5
71.5°	371.8	377.0	378.5	376.5	370.5	360.7	351.5	342.9	335.7	331.5	329.8
72°	358.8	363.8	366.0	364.1	358.8	349.7	340.9	332.7	326.0	321.6	319.9
72.5°	345.6	350.6	353.4	352.0	346.9	338.6	330.7	322.6	316.3	312.5	310.3
73°	332.2	337.6	340.9	340.2	335.8	327.7	320.2	312.7	306.8	302.8	300.5
73.5°	318.7	324.7	328.0	328.0	324.2	317.6	310.0	303.0	297.2	293.3	291.2
74°	306.0	311.4	315.5	316.2	312.9	306.7	300.0	293.3	288.0	284.0	281.8
74.5°	293.1	298.9	303.0	304.0	301.7	295.9	290.1	283.8	278.7	274.9	273.0
75°	280.3	286.1	290.7	292.2	290.6	285.5	280.1	274.4	269.4	265.8	263.6
75.5°	267.2	273.6	278.3	280.5	279.6	275.1	270.3	264.9	260.1	256.9	254.6
76°	254.5	260.7	266.1	269.1	268.3	264.6	260.6	255.7	251.3	248.0	245.5
76.5°	242.0	248.5	254.0	257.4	257.6	254.6	250.8	246.4	242.4	239.2	236.7
77°	229.6	235.8	242.1	246.0	247.0	244.6	241.4	237.2	233.5	230.2	227.8
77.5°	216.9	223.7	230.3	234.6	236.3	234.8	232.0	228.3	224.6	221.8	219.2
78°	205.0	211.6	218.4	223.7	225.8	225.0	222.8	219.5	216.4	213.4	210.9
78.5°	192.6	199.8	206.8	212.7	215.5	215.2	213.5	210.8	208.0	205.0	202.6
79°	180.6	187.9	195.5	201.8	205.2	205.6	204.6	202.1	199.5	196.8	194.2
79.5°	168.8	175.9	184.2	191.1	195.2	196.2	195.8	193.7	191.4	188.9	186.2
80°	157.6	164.5	172.9	180.6	185.3	186.9	186.9	185.4	183.3	181.0	178.3
80.5°	146.1	153.3	162.2	170.2	175.6	177.9	178.3	177.2	175.5	173.0	170.5
81°	134.9	142.3	151.5	160.0	166.0	169.0	170.1	169.2	167.8	165.4	162.9
81.5°	123.9	131.4	141.1	149.9	156.7	160.0	161.8	161.6	160.3	158.2	155.5
82°	113.2	120.6	130.6	140.2	147.4	151.6	153.7	153.9	152.9	150.8	148.1
82.5°	102.2	110.3	120.8	130.7	138.4	143.3	145.8	146.4	145.5	143.5	140.8
83°	92.6	100.4	110.8	121.4	129.6	135.2	138.2	138.9	138.4	136.8	134.0
83.5°	82.9	90.6	101.3	112.4	121.3	127.0	130.7	131.9	131.7	129.9	127.2
84°	73.6	81.3	92.1	103.6	113.0	119.4	123.4	125.0	124.8	123.3	120.6
84.5°	64.4	72.2	83.5	95.0	104.9	111.9	116.1	118.2	118.3	116.8	114.2
85°	56.0	63.5	74.9	86.9	97.3	104.6	109.3	111.6	111.9	110.5	107.9
85.5°	48.7	55.8	67.0	79.2	89.8	97.7	102.6	105.2	105.6	104.3	101.8
86°	41.4	48.7	59.2	71.8	82.9	91.0	96.3	99.0	99.6	98.5	95.9
86.5°	34.1	41.6	52.9	64.7	76.0	84.5	90.0	93.1	93.9	92.8	90.3
87°	26.9	34.5	46.7	57.5	69.6	78.2	84.1	87.4	88.3	87.5	84.8
87.5°	20.6	27.5	40.4	52.1	63.3	72.3	78.4	81.8	82.9	82.1	79.6
88°	14.9	21.6	34.2	46.7	57.3	66.6	72.9	76.4	77.8	76.9	74.4
88.5°	10.0	16.6	28.0	41.3	52.5	61.1	67.5	71.4	72.7	72.0	69.6



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	3.2	5.9	15.5	27.1	38.3	47.6	54.4	57.6	59.2	58.5	56.8
90.5°	1.8	4.7	12.5	23.4	34.2	43.4	50.4	54.0	55.6	55.0	53.2
91°	0.3	3.7	10.1	20.1	30.5	39.3	46.3	50.3	52.0	51.5	49.6
91.5°	0.3	2.7	8.1	17.3	27.1	35.6	42.3	46.6	48.4	48.1	46.0
92°	0.2	1.6	6.7	14.9	24.1	32.3	38.6	42.9	44.8	44.6	42.4
92.5°	0.2	1.3	5.9	12.9	21.4	29.3	35.4	39.4	41.3	41.1	39.2
93°	0.2	1.0	5.2	11.1	19.0	26.6	32.5	36.4	38.3	38.2	36.3
93.5°	0.2	0.8	4.5	9.7	17.0	24.0	29.8	33.6	35.4	35.3	33.7
94°	0.2	0.7	3.8	8.6	15.1	21.8	27.3	31.0	32.8	32.8	31.2
94.5°	0.3	0.6	3.4	7.7	13.6	19.8	25.0	28.6	30.4	30.4	28.9
95°	0.4	0.5	3.1	7.1	12.3	18.0	22.9	26.4	28.2	28.2	26.8
95.5°	0.4	0.5	2.8	6.6	11.2	16.4	21.1	24.4	26.1	26.2	24.9
96°	0.5	0.6	2.5	6.1	10.4	15.1	19.5	22.6	24.2	24.3	23.0
96.5°	0.6	0.6	2.2	5.7	9.6	14.0	18.0	21.0	22.6	22.7	21.5
97°	0.6	0.7	2.0	5.3	9.1	13.0	16.7	19.5	21.1	21.2	20.1
97.5°	0.7	0.7	1.9	4.9	8.6	12.2	15.6	18.2	19.7	19.9	18.9
98°	0.7	0.7	1.7	4.6	8.2	11.5	14.7	17.1	18.5	18.7	17.8
98.5°	0.8	0.8	1.5	4.3	7.7	11.0	13.9	16.1	17.4	17.6	16.8
99°	0.9	0.8	1.4	4.0	7.2	10.5	13.2	15.3	16.5	16.7	16.0
99.5°	1.0	0.9	1.3	3.7	6.9	10.0	12.6	14.6	15.7	15.9	15.3
100°	1.1	1.0	1.3	3.5	6.5	9.5	12.1	14.0	15.1	15.3	14.7
100.5°	1.2	1.0	1.2	3.2	6.2	9.1	11.6	13.4	14.5	14.7	14.1
101°	1.3	1.1	1.2	3.0	5.8	8.6	11.1	12.9	14.0	14.2	13.6
101.5°	1.4	1.2	1.2	2.8	5.5	8.2	10.6	12.4	13.5	13.7	13.1
102°	1.5	1.2	1.2	2.6	5.2	7.9	10.2	12.0	13.0	13.2	12.7
102.5°	1.5	1.3	1.2	2.4	4.9	7.5	9.7	11.5	12.5	12.7	12.2
103°	1.6	1.4	1.2	2.2	4.6	7.1	9.3	11.0	12.0	12.2	11.8
103.5°	1.7	1.4	1.2	2.1	4.3	6.7	8.9	10.6	11.5	11.8	11.3
104°	1.7	1.5	1.1	1.9	4.0	6.4	8.5	10.1	11.1	11.3	10.9
104.5°	1.7	1.5	1.1	1.8	3.7	6.1	8.1	9.7	10.7	10.9	10.5
105°	1.8	1.7	1.1	1.7	3.5	5.8	7.8	9.3	10.3	10.5	10.1
105.5°	1.8	1.9	1.1	1.6	3.3	5.4	7.4	8.9	9.9	10.1	9.7
106°	1.7	1.9	1.1	1.6	3.1	5.1	7.1	8.5	9.5	9.8	9.3
106.5°	1.7	1.8	1.2	1.5	2.9	4.9	6.7	8.2	9.2	9.4	9.0
107°	1.7	1.7	1.2	1.5	2.7	4.6	6.4	7.8	8.8	9.1	8.7
107.5°	1.7	1.7	1.2	1.5	2.6	4.3	6.1	7.5	8.5	8.7	8.3
108°	1.7	1.7	1.3	1.4	2.4	4.1	5.8	7.2	8.1	8.4	8.0
108.5°	1.8	1.8	1.3	1.4	2.3	3.9	5.5	6.9	7.8	8.1	7.7
109°	1.8	1.8	1.3	1.4	2.2	3.7	5.2	6.6	7.5	7.7	7.4
109.5°	1.8	1.8	1.3	1.3	2.1	3.5	5.0	6.3	7.2	7.4	7.1
110°	1.8	1.8	1.4	1.3	2.0	3.3	4.7	6.0	6.9	7.1	6.8
110.5°	1.8	1.8	1.4	1.3	1.9	3.1	4.4	5.7	6.6	6.8	6.6
111°	1.8	1.8	1.4	1.3	1.9	2.9	4.2	5.5	6.3	6.6	6.3



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**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°	1.9	1.8	1.6	1.4	1.7	2.4	3.4	4.5	5.2	5.5	5.3
113.5°	1.9	1.8	1.7	1.5	1.7	2.3	3.2	4.3	5.0	5.2	5.0
114°	1.9	1.8	1.7	1.5	1.6	2.2	3.1	4.1	4.8	5.0	4.8
114.5°	1.9	1.9	1.8	1.5	1.6	2.2	2.9	3.9	4.5	4.8	4.6
115°	2.0	1.9	1.8	1.5	1.5	2.1	2.8	3.7	4.3	4.6	4.4
115.5°	2.0	1.9	1.9	1.6	1.5	2.0	2.7	3.5	4.1	4.4	4.3
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	1.6	2.0	2.5	3.2	3.8	4.0	3.9
117°	2.0	2.0	2.1	1.7	1.6	2.0	2.4	3.1	3.6	3.8	3.8
117.5°	2.0	2.1	2.3	1.7	1.6	1.9	2.4	3.0	3.5	3.7	3.6
118°	2.0	2.1	2.4	1.7	1.6	1.8	2.3	2.9	3.3	3.6	3.5
118.5°	2.0	2.2	2.4	1.8	1.6	1.8	2.3	2.8	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	3.2	3.1
120.5°	2.1	2.2	2.3	1.9	1.8	1.7	2.1	2.5	2.9	3.1	3.1
121°	2.1	2.2	2.3	2.0	1.8	1.8	2.0	2.4	2.8	3.0	3.0
121.5°	2.1	2.3	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	1.9	1.8	1.9	2.3	2.6	2.9	2.9
122.5°	2.2	2.3	2.4	2.1	1.9	1.9	1.9	2.2	2.6	2.8	2.8
123°	2.2	2.3	2.4	2.1	1.9	1.9	1.9	2.1	2.5	2.7	2.8
123.5°	2.2	2.3	2.4	2.2	2.0	1.9	1.9	2.1	2.5	2.7	2.7
124°	2.2	2.4	2.5	2.2	2.0	2.0	1.9	2.0	2.4	2.6	2.6
124.5°	2.2	2.4	2.5	2.3	2.1	2.0	1.9	2.0	2.3	2.6	2.6
125°	2.3	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	2.1	2.0	2.0	2.3	2.5	2.5
126°	2.3	2.4	2.5	2.5	2.2	2.1	2.0	2.0	2.3	2.4	2.5
126.5°	2.3	2.4	2.5	2.6	2.2	2.1	2.0	2.1	2.3	2.5	2.5
127°	2.4	2.4	2.5	2.7	2.2	2.1	2.1	2.1	2.3	2.5	2.6
127.5°	2.4	2.4	2.5	2.8	2.3	2.2	2.1	2.2	2.3	2.5	2.6
128°	2.4	2.4	2.5	2.8	2.3	2.2	2.2	2.2	2.4	2.5	2.6
128.5°	2.4	2.4	2.5	2.9	2.4	2.2	2.2	2.3	2.4	2.6	2.7
129°	2.4	2.4	2.5	2.9	2.4	2.3	2.3	2.3	2.5	2.6	2.7
129.5°	2.5	2.5	2.5	2.9	2.5	2.3	2.3	2.4	2.5	2.7	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	2.5	2.9	2.6	2.4	2.4	2.5	2.6	2.7	2.8
131°	2.5	2.5	2.5	2.9	2.6	2.5	2.4	2.5	2.7	2.8	2.9
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	3.0	2.8	2.6	2.5	2.6	2.7	2.8	3.0
132.5°	2.5	2.5	2.5	3.0	2.9	2.6	2.6	2.7	2.8	2.9	3.0
133°	2.5	2.6	2.5	3.1	3.0	2.7	2.7	2.7	2.8	2.9	3.0
133.5°	2.5	2.6	2.6	3.1	3.1	2.8	2.7	2.8	2.9	3.0	3.1



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.6	2.7	2.7	3.2	3.4	3.0	2.9	3.0	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	3.2	3.4	3.1	3.0	3.1	3.1	3.2	3.3
136.5°	2.5	2.7	2.8	3.1	3.4	3.2	3.1	3.1	3.1	3.2	3.4
137°	2.5	2.7	2.8	3.1	3.4	3.2	3.2	3.2	3.2	3.3	3.4
137.5°	2.6	2.7	2.8	3.1	3.4	3.4	3.2	3.2	3.2	3.3	3.5
138°	2.6	2.8	2.9	3.0	3.4	3.5	3.3	3.3	3.3	3.4	3.5
138.5°	2.6	2.8	2.9	3.0	3.5	3.6	3.3	3.3	3.3	3.4	3.6
139°	2.6	2.9	2.9	3.0	3.5	3.7	3.4	3.4	3.4	3.5	3.7
139.5°	2.6	2.9	2.9	3.0	3.5	3.8	3.4	3.4	3.4	3.5	3.7
140°	2.6	2.9	2.9	3.0	3.6	3.8	3.5	3.5	3.5	3.6	3.8
140.5°	2.6	3.0	2.9	2.9	3.6	3.8	3.5	3.5	3.5	3.6	3.8
141°	2.7	3.0	3.0	2.9	3.6	3.9	3.6	3.5	3.6	3.7	3.9
141.5°	2.6	3.0	3.0	2.9	3.6	3.9	3.7	3.6	3.6	3.7	4.0
142°	2.6	3.0	3.0	2.9	3.6	3.9	3.9	3.6	3.7	3.8	4.0
142.5°	2.6	3.0	3.0	2.9	3.6	4.0	4.0	3.7	3.7	3.9	4.1
143°	2.7	3.0	3.0	2.9	3.5	3.9	4.1	3.8	3.8	3.9	4.2
143.5°	2.7	3.1	3.0	2.9	3.5	3.9	4.1	3.9	3.9	4.0	4.3
144°	2.7	3.1	3.0	2.9	3.5	3.9	4.2	4.0	3.9	4.1	4.3
144.5°	2.7	3.1	3.1	2.9	3.4	3.9	4.2	4.1	4.0	4.1	4.4
145°	2.7	3.1	3.1	2.9	3.4	3.9	4.2	4.2	4.1	4.2	4.4
145.5°	2.6	3.1	3.1	2.9	3.3	3.9	4.2	4.3	4.2	4.3	4.5
146°	2.6	3.1	3.1	2.9	3.3	3.9	4.2	4.4	4.3	4.4	4.7
146.5°	2.6	3.1	3.1	2.9	3.3	3.9	4.1	4.4	4.5	4.5	4.8
147°	2.6	3.1	3.1	2.9	3.2	3.9	4.1	4.4	4.6	4.7	4.9
147.5°	2.6	3.1	3.1	2.9	3.2	3.8	4.0	4.4	4.6	4.7	5.0
148°	2.6	3.1	3.1	2.9	3.2	3.8	4.0	4.4	4.6	4.7	4.9
148.5°	2.6	3.1	3.1	2.9	3.1	3.8	4.0	4.4	4.5	4.8	4.9
149°	2.6	3.1	3.1	2.9	3.1	3.8	4.1	4.3	4.6	4.7	4.9
149.5°	2.5	3.1	3.1	2.9	3.1	3.7	4.1	4.3	4.6	4.8	4.9
150°	2.6	3.0	3.1	2.9	3.0	3.6	4.0	4.3	4.6	4.7	4.9
150.5°	2.6	3.0	3.2	2.9	3.0	3.6	4.0	4.3	4.5	4.7	4.8
151°	2.4	3.0	3.2	2.9	3.0	3.5	4.0	4.3	4.5	4.6	4.8
151.5°	2.3	3.0	3.2	3.0	3.0	3.5	4.0	4.3	4.5	4.6	4.8
152°	2.3	2.9	3.2	3.0	3.0	3.4	3.9	4.3	4.5	4.5	4.8
152.5°	2.4	2.9	3.2	3.0	3.0	3.3	3.9	4.2	4.4	4.5	4.8
153°	2.3	2.9	3.2	3.0	3.0	3.3	3.8	4.2	4.4	4.5	4.7
153.5°	2.1	2.8	3.2	3.0	3.0	3.2	3.7	4.1	4.3	4.5	4.6
154°	2.0	2.8	3.2	3.0	3.0	3.2	3.6	4.0	4.3	4.4	4.5
154.5°	1.9	2.7	3.2	3.1	3.0	3.2	3.6	4.0	4.2	4.4	4.4
155°	1.9	2.7	3.2	3.1	3.0	3.2	3.5	3.9	4.1	4.3	4.3
155.5°	2.0	2.7	3.2	3.1	3.1	3.1	3.4	3.8	4.0	4.2	4.2
156°	1.9	2.8	3.2	3.1	3.1	3.1	3.4	3.7	4.0	4.1	4.1



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.7	2.7	3.2	3.2	3.2	3.2	3.2	3.5	3.7	3.8	3.9
158°	1.7	2.7	3.2	3.2	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	3.4	3.5	3.7	3.7
159°	1.8	2.7	3.2	3.2	3.2	3.2	3.2	3.3	3.5	3.6	3.6
159.5°	1.8	2.6	3.1	3.2	3.3	3.3	3.2	3.3	3.4	3.5	3.6
160°	1.8	2.6	3.1	3.2	3.3	3.3	3.2	3.3	3.4	3.5	3.5
160.5°	1.8	2.6	3.1	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.5
161°	1.8	2.6	3.1	3.2	3.3	3.4	3.3	3.3	3.3	3.4	3.4
161.5°	1.8	2.6	3.1	3.2	3.4	3.4	3.3	3.3	3.3	3.4	3.4
162°	1.8	2.6	3.1	3.2	3.4	3.4	3.4	3.3	3.3	3.4	3.4
162.5°	1.8	2.5	3.0	3.2	3.4	3.4	3.4	3.4	3.4	3.4	3.4
163°	1.8	2.5	3.0	3.2	3.4	3.5	3.4	3.4	3.4	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	3.5
164°	1.8	2.3	3.0	3.2	3.4	3.5	3.5	3.4	3.4	3.4	3.5
164.5°	1.8	2.2	3.0	3.2	3.4	3.5	3.5	3.5	3.4	3.4	3.5
165°	1.8	2.2	3.0	3.2	3.4	3.5	3.5	3.5	3.5	3.5	3.5
165.5°	1.8	2.2	2.9	3.2	3.4	3.5	3.5	3.5	3.5	3.5	3.5
166°	1.9	2.2	3.0	3.1	3.4	3.5	3.6	3.5	3.5	3.5	3.6
166.5°	1.9	2.2	3.1	3.1	3.4	3.6	3.6	3.6	3.6	3.5	3.6
167°	1.9	2.2	2.9	3.1	3.4	3.6	3.6	3.6	3.6	3.6	3.6
167.5°	1.9	2.3	2.8	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	3.4	3.5	3.6	3.7	3.6	3.6	3.7
168.5°	1.9	2.2	2.9	2.8	3.4	3.6	3.6	3.7	3.7	3.7	3.7
169°	2.0	2.0	2.8	3.0	3.3	3.6	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	2.6	2.9	3.0	3.4	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	3.6	3.7	3.7	3.7	3.7
171.5°	2.7	2.7	2.7	2.9	2.8	3.0	3.5	3.6	3.7	3.7	3.7
172°	2.7	2.8	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	2.8	3.0	3.2	3.3	3.5	3.6	3.6	3.6
173°	2.8	2.8	2.9	2.9	2.8	3.2	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	3.5	3.5	3.5
174°	2.9	2.9	3.0	2.8	3.0	3.1	3.2	3.4	3.4	3.4	3.4
174.5°	3.0	3.0	3.0	2.9	2.8	2.9	3.0	3.3	3.4	3.4	3.4
175°	3.0	3.1	3.1	3.0	2.8	2.9	3.1	3.3	3.4	3.4	3.4
175.5°	3.1	3.1	3.1	3.0	2.8	2.8	3.1	3.3	3.4	3.4	3.3
176°	3.1	3.1	3.1	3.0	2.7	2.7	2.9	3.2	3.4	3.4	3.3
176.5°	3.1	3.1	3.2	3.1	2.9	2.8	2.9	3.1	3.3	3.4	3.3
177°	3.1	3.1	3.2	3.2	2.9	2.8	2.9	3.1	3.2	3.3	3.2
177.5°	3.1	3.2	3.2	3.1	2.8	2.7	2.8	3.0	3.2	3.2	3.2
178°	3.1	3.1	3.1	3.0	2.9	2.7	2.7	2.9	3.1	3.2	3.0
178.5°	3.2	3.2	3.1	2.9	2.7	2.6	2.6	2.8	3.0	3.2	3.0



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**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: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1
0.5°	1671.5	1671.4	1671.3	1671.1	1670.9	1670.8	1670.6	1670.5	1670.4	1670.4	1670.5
1°	1671.5	1671.7	1671.9	1672.0	1671.9	1671.5	1671.1	1670.6	1670.3	1670.1	1670.0
1.5°	1671.9	1671.8	1671.3	1670.5	1670.0	1670.0	1670.0	1669.8	1669.4	1669.1	1669.1
2°	1671.9	1670.6	1669.2	1669.2	1669.1	1668.5	1668.3	1668.4	1668.1	1667.9	1667.9
2.5°	1670.5	1670.3	1670.5	1669.5	1669.4	1669.0	1668.0	1667.8	1667.5	1667.3	1666.9
3°	1669.9	1669.5	1669.2	1668.4	1668.4	1668.1	1667.7	1667.1	1665.8	1664.7	1665.0
3.5°	1668.5	1668.2	1668.1	1668.2	1667.4	1666.2	1665.9	1666.2	1664.2	1663.5	1663.2
4°	1668.2	1667.4	1666.8	1666.8	1666.5	1665.7	1664.5	1664.8	1663.7	1662.4	1661.3
4.5°	1665.2	1666.1	1664.5	1665.5	1665.5	1664.3	1663.0	1662.2	1661.7	1660.5	1659.7
5°	1664.5	1664.4	1664.1	1663.3	1663.7	1663.0	1661.8	1660.9	1660.2	1659.2	1657.1
5.5°	1663.5	1662.8	1662.5	1661.5	1661.9	1660.7	1660.5	1659.3	1658.7	1657.4	1655.1
6°	1661.6	1660.8	1660.1	1659.7	1659.5	1658.9	1658.5	1657.2	1656.2	1655.4	1652.4
6.5°	1659.2	1658.6	1658.2	1657.6	1657.1	1657.7	1656.6	1655.1	1653.3	1653.2	1650.2
7°	1657.1	1656.1	1656.6	1655.5	1655.2	1655.3	1654.6	1652.5	1650.7	1650.0	1647.9
7.5°	1654.3	1653.7	1653.8	1653.9	1652.5	1652.7	1651.7	1650.6	1648.0	1647.5	1645.7
8°	1651.8	1651.4	1650.9	1651.1	1650.5	1650.6	1648.4	1647.3	1645.5	1644.8	1642.1
8.5°	1648.4	1648.5	1648.0	1647.7	1648.1	1647.2	1646.9	1644.7	1643.6	1641.6	1639.2
9°	1645.1	1645.4	1645.0	1645.0	1645.5	1644.1	1643.6	1642.4	1639.8	1638.2	1636.1
9.5°	1642.3	1642.5	1641.6	1641.7	1641.8	1641.6	1640.0	1638.7	1636.0	1634.7	1632.0
10°	1638.7	1638.8	1638.1	1639.0	1638.6	1637.1	1637.2	1635.6	1633.0	1631.3	1628.4
10.5°	1634.9	1635.4	1633.8	1635.6	1635.0	1634.2	1634.2	1632.4	1630.0	1627.1	1624.9
11°	1630.4	1631.8	1631.1	1632.4	1631.8	1631.2	1630.8	1629.0	1626.1	1623.0	1620.5
11.5°	1626.2	1627.7	1626.8	1628.0	1627.9	1628.0	1626.7	1624.6	1621.6	1619.5	1616.1
12°	1622.1	1623.0	1622.7	1623.5	1624.4	1623.6	1622.8	1620.8	1618.2	1615.8	1611.8
12.5°	1617.7	1618.9	1618.7	1619.0	1620.4	1619.5	1618.6	1616.9	1614.5	1610.7	1607.9
13°	1613.1	1614.2	1613.7	1614.3	1615.5	1615.1	1614.8	1612.9	1610.6	1606.2	1603.5
13.5°	1607.8	1608.5	1608.6	1610.1	1610.9	1610.6	1610.4	1608.5	1605.3	1601.4	1597.8
14°	1602.3	1603.6	1604.4	1605.7	1606.5	1606.2	1605.8	1604.5	1600.5	1596.8	1592.7
14.5°	1596.9	1598.2	1599.3	1600.5	1601.8	1601.7	1601.3	1599.5	1596.5	1591.5	1587.5
15°	1591.2	1593.4	1593.9	1595.4	1597.4	1596.6	1596.6	1594.2	1591.7	1585.8	1582.2
15.5°	1585.4	1588.3	1589.0	1590.5	1592.5	1591.3	1591.9	1589.1	1586.1	1580.9	1576.8
16°	1579.1	1581.9	1583.1	1584.8	1586.7	1586.5	1586.5	1584.5	1580.7	1576.2	1571.5
16.5°	1573.2	1576.1	1577.3	1579.1	1580.9	1581.3	1580.9	1579.6	1575.8	1570.7	1565.3
17°	1566.7	1569.5	1571.1	1573.1	1575.7	1575.6	1575.5	1574.1	1570.1	1564.7	1558.8
17.5°	1560.2	1563.5	1565.2	1567.1	1570.3	1570.4	1570.9	1568.3	1564.2	1558.9	1552.8
18°	1553.8	1556.3	1559.1	1561.9	1564.1	1564.2	1564.6	1562.1	1558.0	1552.9	1546.2
18.5°	1546.6	1549.0	1552.9	1555.3	1558.1	1557.9	1557.9	1556.5	1552.1	1546.1	1539.3
19°	1539.0	1541.9	1545.7	1548.2	1551.9	1552.2	1552.3	1550.5	1546.5	1539.6	1533.0
19.5°	1531.6	1534.8	1538.6	1542.1	1545.1	1545.6	1546.1	1544.1	1540.0	1533.2	1526.0
20°	1524.9	1528.3	1531.9	1535.3	1538.4	1539.6	1539.6	1537.9	1533.6	1526.5	1519.0
20.5°	1517.2	1520.6	1524.9	1527.9	1532.1	1532.7	1532.8	1531.6	1527.0	1519.8	1511.8
21°	1509.1	1513.6	1517.0	1520.7	1524.7	1526.5	1526.4	1524.6	1520.1	1512.4	1504.6



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1484.2	1488.3	1493.6	1499.0	1503.1	1505.4	1505.4	1503.0	1498.6	1490.1	1482.2
23°	1475.6	1480.1	1485.9	1491.0	1495.5	1497.7	1497.9	1495.5	1491.3	1483.1	1473.6
23.5°	1466.8	1471.6	1477.4	1482.4	1488.3	1490.7	1490.9	1488.6	1483.6	1475.8	1465.7
24°	1457.5	1463.4	1468.6	1474.6	1480.0	1482.7	1483.2	1481.2	1476.2	1467.8	1457.7
24.5°	1448.4	1454.1	1460.3	1466.2	1471.8	1475.0	1475.9	1473.5	1468.3	1459.6	1449.3
25°	1439.6	1445.0	1451.8	1457.8	1463.6	1467.2	1468.3	1465.7	1460.3	1451.0	1440.5
25.5°	1430.0	1436.1	1442.6	1448.9	1455.1	1458.9	1459.9	1457.5	1452.1	1442.8	1432.3
26°	1420.4	1426.8	1433.7	1439.9	1446.9	1450.5	1451.3	1449.8	1444.1	1434.3	1423.3
26.5°	1410.7	1416.8	1424.2	1431.0	1438.6	1442.6	1443.1	1441.3	1435.3	1425.9	1414.4
27°	1400.4	1407.4	1414.8	1422.2	1429.3	1433.7	1434.7	1432.4	1427.0	1417.1	1405.3
27.5°	1390.6	1397.2	1405.3	1412.8	1420.9	1424.8	1425.8	1424.0	1418.3	1408.3	1396.0
28°	1380.0	1387.6	1395.1	1403.9	1411.5	1415.5	1416.9	1415.3	1409.4	1399.3	1386.4
28.5°	1369.7	1377.1	1385.7	1394.3	1401.8	1406.8	1408.2	1406.7	1400.5	1390.0	1377.5
29°	1359.0	1366.8	1375.9	1384.0	1393.1	1398.3	1399.6	1397.4	1391.4	1380.9	1367.7
29.5°	1347.8	1355.7	1365.5	1374.2	1383.4	1388.2	1390.7	1388.3	1381.8	1371.3	1357.6
30°	1337.5	1345.7	1355.3	1364.7	1373.6	1379.8	1380.7	1379.0	1372.2	1361.7	1348.0
30.5°	1326.4	1334.0	1344.9	1355.0	1363.8	1369.8	1371.0	1369.1	1363.6	1351.9	1337.8
31°	1314.4	1323.9	1334.5	1344.3	1354.1	1359.6	1362.0	1360.4	1353.6	1341.7	1327.8
31.5°	1302.9	1312.9	1323.7	1333.6	1344.4	1350.2	1352.1	1350.2	1343.4	1332.4	1317.7
32°	1291.7	1301.3	1312.6	1323.6	1333.6	1340.1	1341.9	1340.6	1334.2	1322.2	1307.2
32.5°	1280.1	1290.5	1302.0	1312.9	1323.1	1330.1	1332.2	1330.9	1323.7	1312.1	1296.9
33°	1268.4	1278.6	1291.1	1302.2	1313.5	1319.6	1322.4	1320.4	1313.9	1301.8	1285.8
33.5°	1256.5	1267.2	1279.6	1291.7	1302.5	1309.6	1311.6	1310.6	1303.6	1291.1	1275.1
34°	1244.7	1255.5	1268.3	1280.5	1291.2	1299.0	1301.5	1300.8	1293.3	1280.7	1264.5
34.5°	1233.1	1243.6	1256.8	1269.2	1280.8	1288.9	1291.3	1290.0	1282.3	1270.4	1254.8
35°	1220.7	1231.3	1245.1	1257.7	1270.2	1277.8	1281.0	1279.3	1272.1	1259.6	1244.3
35.5°	1207.7	1219.9	1233.4	1246.5	1259.1	1266.4	1270.0	1268.7	1261.6	1249.4	1232.5
36°	1195.3	1207.5	1221.7	1235.5	1247.4	1256.2	1259.3	1258.5	1251.1	1237.9	1220.8
36.5°	1182.9	1195.0	1209.9	1224.2	1236.5	1245.4	1248.6	1247.8	1239.7	1226.5	1209.0
37°	1170.4	1183.0	1197.8	1211.6	1225.7	1234.5	1237.5	1236.4	1228.4	1215.1	1197.3
37.5°	1158.1	1170.3	1185.8	1200.4	1213.9	1223.2	1226.3	1225.1	1217.2	1203.7	1185.7
38°	1145.1	1158.2	1174.0	1189.0	1202.7	1211.5	1215.0	1213.8	1205.9	1192.3	1174.1
38.5°	1132.8	1145.2	1161.9	1176.7	1190.0	1199.8	1203.8	1202.5	1194.6	1180.8	1162.1
39°	1119.8	1133.1	1149.3	1164.5	1178.7	1188.1	1192.2	1191.0	1182.9	1169.2	1150.5
39.5°	1107.3	1120.3	1136.8	1152.4	1166.8	1176.5	1180.3	1179.1	1171.1	1157.7	1138.3
40°	1094.0	1107.3	1124.2	1140.3	1154.9	1165.0	1168.9	1167.5	1159.6	1145.7	1126.5
40.5°	1080.6	1094.6	1111.2	1128.5	1142.5	1153.2	1157.0	1155.4	1147.9	1134.0	1114.5
41°	1067.3	1081.3	1098.9	1115.6	1130.8	1140.8	1144.9	1143.8	1136.0	1122.4	1102.5
41.5°	1054.8	1068.7	1086.3	1103.0	1118.2	1128.8	1133.2	1131.9	1124.4	1109.7	1089.8
42°	1041.9	1056.4	1073.6	1090.6	1106.0	1116.5	1120.6	1120.4	1111.9	1097.1	1077.4
42.5°	1028.9	1043.2	1060.9	1078.2	1093.4	1104.2	1108.7	1107.9	1100.0	1085.3	1064.7
43°	1015.8	1029.3	1047.8	1065.5	1081.2	1092.8	1096.4	1095.7	1087.5	1073.2	1053.5
43.5°	1002.1	1016.9	1035.1	1052.9	1069.0	1079.8	1084.2	1083.4	1075.0	1060.7	1040.6





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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	963.0	977.6	996.2	1014.4	1031.4	1042.4	1046.6	1046.1	1038.1	1022.8	1002.5
45.5°	949.3	964.1	983.2	1001.6	1017.9	1029.1	1034.4	1033.6	1024.9	1010.1	989.7
46°	936.0	950.7	970.1	988.5	1005.0	1017.0	1021.3	1020.7	1012.0	997.7	976.9
46.5°	922.7	938.0	956.5	975.4	991.8	1003.7	1008.4	1007.7	999.4	984.9	964.3
47°	909.7	924.2	943.4	962.7	979.5	991.4	995.9	995.0	986.5	971.9	951.2
47.5°	896.4	912.0	930.3	949.4	966.6	978.6	982.3	982.2	973.9	959.0	938.3
48°	883.2	897.9	917.1	936.2	953.5	965.5	969.6	968.8	960.9	946.3	925.4
48.5°	870.2	885.0	904.6	923.5	939.8	951.9	956.4	956.1	947.9	933.2	912.0
49°	856.8	872.1	891.6	910.2	927.5	939.1	943.6	943.3	935.2	920.0	899.4
49.5°	844.1	859.1	878.3	896.9	913.7	926.5	930.9	930.0	921.8	906.9	886.6
50°	831.1	845.4	865.0	883.4	901.3	913.2	917.8	917.0	908.8	894.1	873.3
50.5°	818.1	832.6	851.8	870.8	887.9	900.1	904.5	903.8	895.9	880.8	859.9
51°	804.8	819.5	838.7	857.9	875.0	886.6	891.0	890.4	882.1	867.5	847.0
51.5°	792.2	807.2	825.5	844.6	861.3	873.9	877.7	877.3	869.2	854.8	833.8
52°	779.4	793.6	812.5	831.1	848.4	859.7	864.8	864.1	855.9	841.0	820.6
52.5°	766.8	780.8	799.5	818.0	835.0	846.9	851.7	852.0	842.5	827.6	807.5
53°	754.0	768.0	786.3	805.1	822.0	833.4	839.1	838.6	829.1	814.5	794.5
53.5°	741.2	755.5	773.6	791.8	808.9	820.5	827.1	823.8	815.9	801.6	781.3
54°	728.5	741.6	760.8	778.6	795.6	806.9	812.8	810.3	802.1	788.0	768.5
54.5°	716.2	729.5	747.6	765.6	781.8	794.0	798.0	797.0	788.9	774.9	755.4
55°	703.2	717.0	734.8	752.6	768.9	780.4	784.5	783.3	775.4	761.6	742.0
55.5°	690.5	704.4	722.3	739.6	755.3	767.1	770.7	769.6	761.7	748.2	728.7
56°	678.2	691.5	709.2	726.3	742.2	753.1	757.2	757.7	748.7	734.8	715.7
56.5°	666.0	679.0	696.3	713.3	729.0	739.7	744.5	744.1	735.5	721.5	702.6
57°	654.0	666.5	683.1	700.5	715.7	726.5	732.6	728.9	722.3	708.2	689.5
57.5°	641.6	654.3	670.4	687.9	702.5	713.3	718.5	715.7	707.8	694.7	676.5
58°	629.3	641.9	658.3	674.8	688.9	699.9	702.9	702.2	694.4	681.5	663.3
58.5°	617.5	629.3	645.3	661.3	675.6	686.1	689.5	688.9	680.9	668.6	650.2
59°	605.6	617.0	632.3	648.1	662.8	672.7	676.2	675.5	667.8	654.8	636.9
59.5°	593.4	605.2	619.9	635.3	649.7	660.1	663.8	660.9	653.9	641.4	624.3
60°	581.9	593.2	607.5	622.8	637.5	646.8	649.8	647.5	640.5	628.2	610.8
60.5°	570.1	581.0	595.3	610.0	624.6	632.6	634.9	634.1	626.5	614.7	598.0
61°	558.4	568.9	583.2	597.3	610.6	618.5	621.0	620.6	613.2	601.3	585.1
61.5°	546.6	556.8	570.8	585.2	596.9	605.5	608.0	606.5	599.2	587.8	571.7
62°	534.9	544.7	558.3	572.2	587.7	593.6	595.4	593.1	585.7	574.8	558.9
62.5°	523.0	532.5	545.8	559.8	573.8	589.2	577.9	579.1	572.4	561.5	545.8
63°	511.4	520.8	533.2	546.6	560.9	572.8	564.6	565.9	559.1	548.2	533.5
63.5°	500.4	509.2	520.9	533.3	546.4	557.0	551.6	552.0	545.0	535.1	520.6
64°	489.3	497.7	508.7	520.4	531.8	541.2	538.4	538.1	531.8	521.9	507.7
64.5°	478.0	486.0	496.8	507.9	518.4	525.4	525.2	524.5	518.3	508.5	494.7
65°	467.0	474.7	485.2	495.7	505.1	511.3	511.8	511.3	505.0	495.2	482.4
65.5°	456.0	463.5	473.2	483.1	492.1	497.7	498.9	497.5	491.4	482.2	469.5
66°	444.9	452.2	461.2	471.1	479.3	485.6	485.5	483.9	478.1	469.2	456.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	413.1	418.7	427.0	434.7	441.3	445.0	444.6	443.4	438.0	430.1	419.3
68°	402.3	407.9	415.4	422.5	428.5	432.1	431.0	430.1	424.7	416.9	406.4
68.5°	391.9	396.9	403.7	410.4	415.9	418.9	418.2	416.6	411.1	403.9	394.4
69°	381.4	385.8	392.4	398.3	403.2	405.9	404.7	403.0	397.7	391.2	381.9
69.5°	370.8	374.9	381.2	386.6	391.1	393.3	391.5	389.3	384.7	378.5	370.0
70°	360.2	364.5	370.0	375.0	378.8	379.9	377.9	376.4	371.7	365.6	357.6
70.5°	350.4	354.0	359.1	363.3	366.3	366.9	364.8	363.0	358.1	353.1	345.3
71°	340.4	343.6	348.0	351.7	354.1	354.3	351.4	349.9	345.5	340.1	333.1
71.5°	330.2	333.4	337.0	340.0	341.9	341.4	338.4	336.7	332.3	327.6	321.3
72°	320.2	322.9	326.1	328.6	329.8	328.8	325.6	323.5	319.2	315.0	309.4
72.5°	310.5	312.4	315.3	317.1	318.0	316.4	312.6	310.3	306.3	302.7	297.7
73°	300.5	302.1	304.5	305.9	306.2	303.7	299.6	297.3	293.4	290.2	285.6
73.5°	290.9	292.0	294.0	294.8	294.3	291.4	286.9	284.4	280.9	278.0	274.1
74°	281.6	282.2	283.7	283.9	282.5	279.1	274.1	271.6	268.4	265.7	262.5
74.5°	272.0	272.4	273.3	272.8	270.8	266.9	261.4	258.6	255.7	253.4	251.3
75°	262.5	262.5	262.8	261.5	259.1	254.7	249.0	246.1	243.4	241.6	240.0
75.5°	253.3	252.9	252.6	250.9	247.8	242.7	236.6	233.6	230.8	229.9	229.0
76°	244.2	243.5	242.5	240.2	236.6	230.8	224.3	221.2	218.7	218.2	217.6
76.5°	235.1	233.9	232.5	229.5	225.4	219.1	211.9	208.7	206.7	206.7	207.0
77°	226.1	224.5	222.9	219.5	214.2	207.4	200.1	196.6	194.8	195.2	196.2
77.5°	217.2	215.4	213.1	209.1	203.3	195.9	188.1	184.7	182.9	184.2	185.8
78°	208.6	206.4	203.5	198.9	192.6	184.7	176.6	172.8	171.4	172.9	174.9
78.5°	200.1	197.5	194.2	189.1	182.2	173.6	165.1	161.2	160.0	162.0	165.1
79°	191.7	188.8	184.9	179.3	171.8	162.7	153.9	150.2	149.3	152.0	155.6
79.5°	183.4	180.1	175.8	169.4	161.7	152.0	142.5	139.3	138.5	141.9	146.1
80°	175.3	171.7	167.0	160.1	151.5	141.2	131.7	128.3	127.8	131.8	136.6
80.5°	167.3	163.4	158.2	150.5	141.7	131.2	121.2	117.3	117.1	121.7	127.2
81°	159.7	155.4	149.7	141.7	132.2	121.2	110.9	106.8	106.9	111.6	117.7
81.5°	152.0	147.4	141.3	132.8	123.0	111.5	100.8	96.2	97.2	102.1	108.8
82°	144.4	139.6	133.2	124.5	113.7	102.0	91.1	86.3	87.4	92.9	100.2
82.5°	137.0	132.1	125.3	115.9	105.0	92.8	81.8	77.1	78.1	84.2	92.0
83°	130.1	124.7	117.6	108.0	96.6	83.9	72.7	68.0	69.4	75.9	84.1
83.5°	123.1	117.7	110.2	100.2	88.4	75.6	64.2	59.4	61.2	67.8	76.5
84°	116.4	110.8	103.1	92.7	80.5	67.4	56.0	51.1	53.0	60.0	69.2
84.5°	110.0	104.1	96.0	85.2	73.0	59.7	49.0	43.3	45.4	52.7	62.4
85°	103.5	97.5	89.2	78.5	65.9	53.4	42.1	36.0	38.2	46.0	55.9
85.5°	97.4	91.2	82.8	71.9	59.2	47.1	35.2	29.2	31.7	39.7	49.9
86°	91.5	85.3	76.7	65.7	53.7	40.9	28.3	24.3	25.6	34.0	44.3
86.5°	85.9	79.6	70.8	59.8	48.3	34.7	22.4	19.3	21.7	28.6	39.0
87°	80.3	74.0	65.1	55.0	42.8	28.4	17.3	14.4	17.7	24.0	34.1
87.5°	75.0	68.6	60.0	50.1	37.4	23.6	12.9	9.5	13.7	21.0	29.7
88°	70.0	63.6	55.4	45.2	31.9	19.4	9.2	4.6	9.7	18.0	25.8
88.5°	65.2	58.5	51.1	40.3	27.7	15.8	6.4	2.1	5.9	14.9	22.4



TEST NUMBER: P563548

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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	52.8	46.6	38.2	28.2	17.6	8.2	2.9	0.6	2.5	7.5	15.8
90.5°	49.1	42.7	34.6	25.0	15.1	6.6	1.7	0.5	2.1	6.4	13.9
91°	45.3	39.2	31.3	22.1	12.9	5.9	1.3	0.3	1.9	5.6	12.1
91.5°	41.8	35.9	28.3	19.6	11.1	5.1	1.0	0.2	1.6	5.1	10.2
92°	38.5	32.8	25.6	17.5	9.8	4.4	0.8	0.3	1.5	4.7	9.3
92.5°	35.5	30.1	23.2	15.6	8.6	3.6	0.7	0.3	1.4	4.4	8.6
93°	32.8	27.6	21.0	13.9	7.7	3.3	0.6	0.4	1.2	4.1	8.1
93.5°	30.3	25.3	19.1	12.5	7.0	3.0	0.5	0.5	1.1	3.9	7.7
94°	27.9	23.1	17.3	11.4	6.5	2.7	0.5	0.5	1.1	3.8	7.4
94.5°	25.8	21.3	15.9	10.5	6.1	2.5	0.6	0.6	1.1	3.8	7.0
95°	23.8	19.6	14.6	9.7	5.7	2.3	0.6	0.6	1.1	3.7	6.8
95.5°	22.0	18.1	13.5	9.1	5.3	2.1	0.7	0.7	1.1	3.7	6.6
96°	20.4	16.8	12.6	8.6	5.0	2.0	0.8	0.8	1.1	3.6	6.4
96.5°	19.1	15.7	11.9	8.2	4.7	1.8	0.9	0.9	1.1	3.4	6.3
97°	17.8	14.7	11.3	7.8	4.4	1.7	0.9	1.0	1.1	3.3	6.2
97.5°	16.7	13.9	10.7	7.4	4.2	1.6	1.0	1.1	1.1	3.1	6.1
98°	15.8	13.2	10.2	7.1	3.9	1.5	1.1	1.2	1.1	3.1	6.0
98.5°	15.0	12.6	9.8	6.7	3.7	1.5	1.2	1.3	1.2	3.0	5.9
99°	14.3	12.1	9.4	6.4	3.5	1.4	1.3	1.4	1.3	3.0	5.8
99.5°	13.8	11.7	9.0	6.1	3.3	1.4	1.4	1.6	1.4	3.0	5.7
100°	13.3	11.2	8.6	5.8	3.2	1.4	1.4	1.7	1.5	3.0	5.5
100.5°	12.8	10.8	8.3	5.5	3.0	1.4	1.5	1.9	1.6	2.9	5.4
101°	12.3	10.3	7.9	5.2	2.8	1.4	1.6	2.0	1.7	2.9	5.3
101.5°	11.9	9.9	7.6	4.9	2.6	1.4	1.7	2.0	1.8	2.8	5.2
102°	11.4	9.5	7.2	4.6	2.5	1.4	1.7	2.1	1.9	2.7	5.1
102.5°	11.0	9.1	6.9	4.4	2.3	1.4	1.8	2.2	2.0	2.6	5.0
103°	10.6	8.8	6.6	4.2	2.2	1.5	2.0	2.2	2.0	2.5	4.9
103.5°	10.2	8.4	6.3	4.0	2.1	1.6	2.0	2.3	2.1	2.4	4.8
104°	9.8	8.1	6.1	3.8	2.1	1.7	2.1	2.3	2.2	2.4	4.6
104.5°	9.4	7.8	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	3.5	2.1	1.9	2.4	2.5	2.4	2.4	4.4
105.5°	8.7	7.1	5.3	3.3	2.0	1.9	2.7	2.6	2.4	2.4	4.3
106°	8.3	6.9	5.1	3.1	2.0	2.0	3.1	2.6	2.6	2.3	4.1
106.5°	8.0	6.6	4.8	3.0	2.0	2.0	3.3	2.7	2.8	2.3	3.9
107°	7.7	6.3	4.6	2.9	2.0	2.0	3.6	2.8	3.1	2.2	3.8
107.5°	7.4	6.1	4.4	2.8	2.0	2.1	3.7	2.8	3.3	2.2	3.7
108°	7.1	5.8	4.2	2.7	2.0	2.2	3.6	2.9	3.3	2.2	3.6
108.5°	6.8	5.5	4.0	2.6	2.0	2.2	3.6	2.9	3.2	2.3	3.5
109°	6.5	5.3	3.8	2.5	2.1	2.3	3.5	3.0	3.2	2.4	3.4
109.5°	6.3	5.0	3.6	2.4	2.2	2.4	3.4	3.0	3.3	2.4	3.3
110°	6.0	4.8	3.5	2.4	2.2	2.5	3.4	3.0	3.3	2.5	3.2
110.5°	5.8	4.6	3.3	2.3	2.3	2.6	3.4	3.1	3.4	2.6	3.2
111°	5.5	4.4	3.2	2.3	2.3	2.7	3.4	3.1	3.5	2.6	3.1



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	4.8	3.8	2.8	2.2	2.4	3.0	3.5	3.2	3.8	2.8	3.0
113°	4.6	3.7	2.8	2.2	2.4	3.2	3.5	3.2	3.9	2.8	3.0
113.5°	4.5	3.6	2.7	2.3	2.5	3.4	3.6	3.3	3.9	2.9	2.9
114°	4.3	3.5	2.7	2.3	2.6	3.5	3.7	3.3	4.0	2.9	2.8
114.5°	4.1	3.4	2.7	2.3	2.7	3.7	3.7	3.3	4.0	3.0	2.7
115°	4.0	3.3	2.7	2.3	2.8	3.8	3.7	3.3	4.0	3.0	2.5
115.5°	3.8	3.2	2.6	2.4	2.9	4.0	3.8	3.3	4.1	3.1	2.5
116°	3.7	3.1	2.6	2.5	3.0	4.1	3.8	3.3	4.1	3.2	2.6
116.5°	3.5	3.1	2.6	2.6	3.0	4.3	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	3.0	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	4.4	4.0	3.4	4.3	3.4	2.8
118.5°	3.2	2.8	2.5	2.9	3.4	4.5	4.1	3.4	4.3	3.5	2.9
119°	3.1	2.8	2.5	3.0	3.5	4.7	4.1	3.4	4.3	3.6	2.9
119.5°	3.0	2.7	2.6	3.0	3.6	4.9	4.1	3.4	4.4	3.7	3.0
120°	3.0	2.7	2.6	3.1	3.6	4.9	4.2	3.4	4.4	3.8	3.1
120.5°	2.9	2.6	2.7	3.2	3.7	5.1	4.2	3.4	4.4	3.9	3.2
121°	2.8	2.6	2.7	3.2	3.8	5.1	4.2	3.4	4.4	4.0	3.2
121.5°	2.8	2.6	2.8	3.3	3.9	5.2	4.2	3.4	4.4	4.0	3.3
122°	2.7	2.6	2.9	3.4	4.0	5.2	4.2	3.4	4.5	4.0	3.3
122.5°	2.7	2.6	2.9	3.4	4.1	5.2	4.2	3.4	4.5	4.0	3.4
123°	2.6	2.6	3.0	3.5	4.2	5.1	4.1	3.4	4.5	4.0	3.4
123.5°	2.6	2.6	3.0	3.5	4.3	5.0	4.1	3.4	4.5	4.0	3.5
124°	2.6	2.7	3.1	3.6	4.4	4.9	4.1	3.4	4.5	4.1	3.5
124.5°	2.6	2.7	3.2	3.7	4.5	4.8	4.0	3.4	4.5	4.1	3.5
125°	2.6	2.8	3.2	3.7	4.6	4.7	4.0	3.4	4.5	4.2	3.6
125.5°	2.6	2.8	3.3	3.8	4.8	4.7	4.0	3.4	4.5	4.2	3.6
126°	2.6	2.9	3.4	3.9	4.9	4.7	3.9	3.4	4.5	4.3	3.7
126.5°	2.7	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	5.1	4.5	3.9	3.4	4.5	4.4	3.8
127.5°	2.7	3.0	3.5	4.1	5.1	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	3.9
128.5°	2.8	3.2	3.6	4.3	5.2	4.5	3.9	3.4	4.5	4.4	3.9
129°	2.9	3.2	3.7	4.4	5.3	4.5	3.9	3.4	4.5	4.4	4.1
129.5°	2.9	3.3	3.8	4.5	5.4	4.5	3.9	3.4	4.5	4.4	4.2
130°	3.0	3.3	3.8	4.6	5.4	4.5	3.8	3.5	4.5	4.5	4.3
130.5°	3.0	3.4	3.9	4.6	5.5	4.5	3.8	3.5	4.5	4.5	4.3
131°	3.1	3.4	4.0	4.7	5.5	4.5	3.8	3.5	4.5	4.6	4.3
131.5°	3.1	3.5	4.0	4.8	5.6	4.5	3.8	3.5	4.5	4.6	4.3
132°	3.2	3.5	4.1	4.9	5.6	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	4.3
133°	3.3	3.7	4.2	5.1	5.5	4.4	3.8	3.5	4.5	4.6	4.3
133.5°	3.3	3.7	4.3	5.2	5.5	4.3	3.8	3.5	4.5	4.6	4.3



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	3.5	3.9	4.6	5.5	5.3	4.3	3.8	3.5	4.4	4.7	4.2
135.5°	3.5	4.0	4.6	5.6	5.3	4.3	3.8	3.5	4.5	4.7	4.3
136°	3.6	4.0	4.7	5.6	5.3	4.3	3.9	3.5	4.5	4.7	4.3
136.5°	3.7	4.1	4.8	5.6	5.2	4.3	3.9	3.5	4.4	4.7	4.3
137°	3.7	4.2	4.8	5.7	5.1	4.3	3.9	3.5	4.4	4.7	4.3
137.5°	3.8	4.2	4.9	5.7	5.1	4.3	3.9	3.5	4.4	4.7	4.4
138°	3.8	4.3	5.0	5.8	5.0	4.3	3.9	3.5	4.3	4.6	4.4
138.5°	3.9	4.4	5.1	5.8	4.9	4.3	3.9	3.5	4.2	4.6	4.4
139°	4.0	4.5	5.2	5.7	4.9	4.3	3.9	3.5	4.1	4.6	4.4
139.5°	4.0	4.5	5.3	5.8	4.8	4.3	4.0	3.6	4.1	4.6	4.4
140°	4.1	4.6	5.4	5.7	4.7	4.3	4.0	3.5	4.2	4.6	4.4
140.5°	4.1	4.6	5.4	5.7	4.7	4.3	4.0	3.5	4.2	4.7	4.4
141°	4.2	4.7	5.5	5.6	4.6	4.3	3.9	3.5	4.2	4.7	4.4
141.5°	4.3	4.8	5.5	5.5	4.5	4.3	3.9	3.5	4.2	4.8	4.4
142°	4.4	4.9	5.6	5.4	4.5	4.3	4.0	3.5	4.2	4.8	4.4
142.5°	4.4	5.1	5.6	5.3	4.4	4.3	4.0	3.4	4.2	4.8	4.3
143°	4.5	5.2	5.6	5.3	4.4	4.3	3.9	3.3	4.2	4.7	4.3
143.5°	4.6	5.3	5.6	5.2	4.3	4.3	3.9	3.3	4.1	4.6	4.3
144°	4.7	5.3	5.6	5.1	4.3	4.3	3.9	3.4	4.1	4.6	4.4
144.5°	4.8	5.3	5.5	5.0	4.3	4.3	3.9	3.4	4.1	4.7	4.4
145°	4.9	5.3	5.5	4.9	4.3	4.2	4.0	3.4	4.1	4.8	4.4
145.5°	5.1	5.4	5.4	4.8	4.2	4.2	4.0	3.4	4.0	4.8	4.4
146°	5.1	5.3	5.3	4.7	4.2	4.3	4.0	3.4	4.0	4.8	4.4
146.5°	5.1	5.3	5.3	4.6	4.2	4.3	3.9	3.4	4.0	4.8	4.4
147°	5.1	5.3	5.2	4.5	4.1	4.2	3.9	3.4	3.9	4.8	4.5
147.5°	5.1	5.2	5.1	4.4	4.1	4.2	3.8	3.4	4.0	4.7	4.5
148°	5.1	5.2	5.0	4.4	4.1	4.0	3.7	3.4	4.0	4.7	4.6
148.5°	5.1	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	4.1	4.1	3.9	3.5	3.9	4.7	4.6
149.5°	5.0	5.0	4.7	4.1	4.0	4.1	3.8	3.4	3.9	4.6	4.6
150°	5.0	4.9	4.6	4.1	4.0	4.1	3.8	3.4	3.9	4.6	4.6
150.5°	5.0	4.9	4.5	4.0	4.0	4.0	3.8	3.5	3.9	4.6	4.6
151°	4.9	4.8	4.4	4.0	3.9	4.0	3.8	3.5	3.8	4.6	4.5
151.5°	4.9	4.7	4.3	4.0	3.9	4.0	3.7	3.5	3.8	4.5	4.4
152°	4.9	4.6	4.2	3.9	4.0	4.0	3.7	3.5	3.7	4.4	4.6
152.5°	4.7	4.5	4.1	3.9	4.0	4.0	3.7	3.4	3.5	4.4	4.7
153°	4.6	4.4	4.0	3.8	4.0	4.0	3.7	3.4	3.4	4.3	4.7
153.5°	4.5	4.3	3.9	3.8	4.0	4.0	3.7	3.3	3.3	4.2	4.7
154°	4.4	4.2	3.9	3.8	4.0	3.9	3.6	3.2	3.3	4.2	4.6
154.5°	4.3	4.1	3.8	3.8	3.9	3.9	3.6	3.3	3.2	4.0	4.6
155°	4.2	4.0	3.7	3.8	3.9	3.8	3.6	3.2	3.1	3.8	4.4
155.5°	4.1	3.9	3.7	3.7	3.8	3.6	3.5	3.1	3.1	3.7	4.2
156°	4.0	3.8	3.7	3.8	3.8	3.6	3.5	3.0	3.1	3.5	4.0



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	3.8	3.6	3.6	3.7	3.7	3.5	3.0	2.9	3.1	3.4	4.0
158°	3.7	3.6	3.6	3.7	3.8	3.5	2.9	3.0	3.0	3.4	3.9
158.5°	3.6	3.6	3.6	3.7	3.8	3.5	2.9	3.0	3.0	3.4	3.9
159°	3.6	3.5	3.6	3.7	3.7	3.5	2.9	2.9	3.0	3.3	3.8
159.5°	3.5	3.5	3.6	3.6	3.6	3.4	2.9	2.9	3.0	3.3	3.7
160°	3.5	3.5	3.6	3.6	3.6	3.5	2.9	2.9	3.0	3.3	3.6
160.5°	3.5	3.5	3.6	3.6	3.6	3.5	2.9	2.9	3.0	3.2	3.6
161°	3.5	3.5	3.6	3.6	3.6	3.4	2.9	2.9	3.0	3.2	3.6
161.5°	3.5	3.5	3.6	3.7	3.7	3.2	2.9	2.9	3.0	3.2	3.5
162°	3.5	3.6	3.7	3.7	3.6	3.0	2.9	2.8	3.0	3.1	3.5
162.5°	3.5	3.6	3.7	3.8	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	2.9	2.8	2.8	2.9	3.1	3.4
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°	3.6	3.6	3.7	3.6	3.0	2.8	2.8	2.8	2.9	3.0	3.3
165°	3.6	3.7	3.8	3.5	2.9	2.8	2.8	2.8	2.9	3.0	3.3
165.5°	3.6	3.7	3.7	3.5	2.9	2.8	2.8	2.8	2.9	3.0	3.2
166°	3.6	3.7	3.7	3.4	2.9	2.8	2.8	2.8	2.9	3.0	3.2
166.5°	3.7	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	2.9	2.8	2.8	2.8	2.9	3.0	3.2
167.5°	3.7	3.7	3.6	3.1	2.8	2.8	2.9	2.8	2.9	3.0	3.2
168°	3.7	3.8	3.5	3.0	2.8	2.8	2.9	2.8	2.9	3.0	3.1
168.5°	3.7	3.8	3.5	2.9	2.8	2.8	2.9	2.9	2.9	3.0	3.1
169°	3.7	3.7	3.4	2.9	2.8	2.8	2.9	2.9	2.9	3.0	3.1
169.5°	3.7	3.7	3.4	2.9	2.8	2.9	2.9	2.9	2.9	3.0	3.1
170°	3.7	3.7	3.4	2.9	2.8	2.9	3.1	3.0	2.9	3.0	3.2
170.5°	3.7	3.5	3.0	2.9	2.8	3.0	3.2	3.2	2.9	3.2	3.5
171°	3.7	3.4	2.9	2.8	2.9	3.1	3.3	3.2	2.9	3.5	3.5
171.5°	3.7	3.4	2.9	2.8	2.9	3.1	3.3	3.2	3.2	3.5	3.5
172°	3.6	3.3	2.8	2.8	2.9	3.3	3.3	3.2	3.3	3.4	3.5
172.5°	3.5	3.2	2.8	2.7	3.0	3.4	3.3	3.3	3.2	3.4	3.5
173°	3.4	3.2	2.8	2.8	3.0	3.3	3.3	3.3	3.3	3.4	3.4
173.5°	3.4	3.1	2.8	2.8	3.1	3.3	3.3	3.3	3.3	3.3	3.4
174°	3.3	2.9	2.7	2.8	3.1	3.3	3.3	3.3	3.3	3.3	3.4
174.5°	3.2	2.8	2.7	2.9	3.3	3.3	3.3	3.3	3.3	3.3	3.4
175°	3.2	2.8	2.7	2.9	3.3	3.4	3.3	3.3	3.3	3.3	3.3
175.5°	3.1	2.9	2.8	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	3.0	3.1	3.3	3.3	3.3	3.3	3.3	3.3
177°	3.1	3.0	2.9	3.0	3.2	3.4	3.3	3.3	3.3	3.3	3.3
177.5°	3.0	2.9	2.8	3.0	3.2	3.3	3.3	3.2	3.2	3.2	3.2
178°	2.8	2.7	2.7	2.8	3.0	3.1	3.2	3.2	3.2	3.1	3.1
178.5°	2.9	2.7	2.7	2.7	2.9	3.0	3.0	3.1	3.1	3.2	3.2



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**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: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1	1671.1
0.5°	1670.5	1670.5	1670.6	1670.6	1670.6	1670.6	1670.7	1670.7	1670.7	1670.8	1670.8
1°	1670.0	1670.0	1669.8	1669.4	1669.1	1668.9	1669.1	1669.4	1669.8	1670.1	1670.3
1.5°	1669.1	1669.1	1669.2	1669.0	1668.8	1668.8	1669.0	1669.2	1669.4	1669.6	1669.8
2°	1667.7	1667.7	1667.5	1667.2	1667.0	1666.9	1667.1	1667.5	1668.0	1668.4	1668.5
2.5°	1666.7	1666.6	1665.9	1665.2	1665.2	1665.5	1665.5	1665.6	1666.2	1667.0	1667.4
3°	1665.1	1664.9	1664.0	1663.7	1664.0	1664.2	1664.1	1664.1	1664.6	1665.3	1665.5
3.5°	1662.5	1662.4	1662.2	1661.6	1661.8	1662.3	1662.6	1662.9	1663.3	1663.8	1664.4
4°	1661.2	1661.1	1660.4	1659.8	1660.0	1660.5	1660.8	1660.9	1661.1	1661.7	1662.3
4.5°	1658.7	1658.3	1658.1	1658.1	1658.1	1657.8	1658.0	1658.4	1658.8	1659.8	1661.1
5°	1656.6	1656.3	1655.4	1655.0	1654.5	1654.3	1654.9	1655.9	1656.9	1658.2	1659.7
5.5°	1654.5	1653.7	1653.1	1652.4	1652.2	1652.5	1652.5	1653.2	1654.5	1656.2	1657.7
6°	1651.4	1650.8	1650.3	1649.8	1649.7	1649.3	1649.3	1650.0	1651.5	1652.7	1654.8
6.5°	1648.5	1647.4	1646.9	1646.5	1646.2	1646.4	1646.4	1647.4	1648.8	1650.3	1652.5
7°	1646.2	1645.0	1643.6	1642.8	1643.1	1643.4	1643.7	1644.5	1646.1	1647.3	1650.3
7.5°	1643.4	1642.2	1640.2	1639.7	1639.1	1638.5	1639.3	1640.7	1642.3	1644.3	1647.0
8°	1639.6	1638.6	1636.9	1635.8	1635.2	1635.3	1635.8	1637.2	1638.8	1640.7	1643.8
8.5°	1635.9	1634.1	1633.1	1632.1	1631.2	1631.5	1631.8	1633.4	1635.5	1637.4	1640.5
9°	1631.8	1630.3	1629.1	1627.7	1627.5	1627.5	1627.5	1628.9	1631.5	1634.4	1638.0
9.5°	1628.4	1626.6	1624.4	1623.5	1623.1	1622.8	1623.0	1624.8	1627.3	1630.4	1634.3
10°	1625.6	1622.5	1620.4	1619.0	1618.5	1618.5	1618.4	1620.3	1623.3	1626.6	1630.2
10.5°	1620.9	1618.4	1615.7	1614.0	1613.3	1612.6	1613.8	1616.0	1618.8	1622.4	1627.0
11°	1616.2	1613.6	1611.0	1609.4	1608.5	1608.4	1608.8	1610.7	1614.1	1617.6	1622.6
11.5°	1611.5	1608.6	1605.9	1604.1	1603.4	1602.7	1603.7	1605.7	1609.3	1614.0	1617.6
12°	1607.5	1603.6	1600.6	1598.9	1597.8	1597.4	1598.8	1601.2	1604.5	1609.6	1614.4
12.5°	1602.9	1598.7	1595.7	1593.8	1592.6	1591.4	1593.1	1595.6	1599.3	1604.2	1610.2
13°	1597.9	1593.3	1590.0	1587.8	1585.9	1585.4	1587.4	1589.9	1593.4	1599.0	1604.7
13.5°	1592.1	1587.5	1584.2	1581.5	1579.7	1579.5	1581.3	1583.6	1588.0	1593.4	1600.1
14°	1587.1	1582.1	1578.4	1575.6	1573.6	1574.2	1574.8	1577.7	1582.6	1588.8	1594.2
14.5°	1581.5	1575.9	1572.5	1569.7	1566.7	1567.1	1569.0	1571.5	1576.5	1583.1	1589.4
15°	1575.7	1570.1	1566.4	1562.9	1560.9	1560.6	1562.1	1565.6	1570.0	1576.8	1583.7
15.5°	1570.3	1564.3	1559.6	1555.9	1554.4	1553.5	1555.2	1558.7	1564.1	1570.8	1578.2
16°	1564.3	1558.1	1552.8	1548.8	1546.4	1546.3	1547.9	1551.7	1557.2	1564.2	1571.9
16.5°	1557.9	1551.6	1546.2	1541.9	1539.7	1539.8	1541.2	1544.7	1550.8	1557.9	1565.7
17°	1551.6	1544.9	1539.5	1535.1	1532.7	1532.3	1533.9	1537.6	1543.8	1552.0	1559.6
17.5°	1545.0	1538.1	1532.5	1527.9	1525.2	1524.4	1526.7	1530.1	1536.4	1545.0	1553.9
18°	1538.2	1530.8	1525.0	1520.0	1517.1	1516.2	1517.9	1523.2	1529.6	1538.0	1547.4
18.5°	1531.2	1523.9	1517.1	1511.7	1509.3	1508.8	1510.6	1515.6	1522.7	1531.1	1540.5
19°	1524.8	1516.1	1509.1	1503.8	1501.9	1500.1	1501.9	1507.2	1514.3	1523.6	1532.9
19.5°	1516.8	1508.4	1501.3	1495.7	1493.4	1491.9	1494.1	1498.9	1506.3	1516.5	1526.3
20°	1509.9	1501.2	1493.5	1487.5	1484.2	1483.6	1486.3	1490.9	1498.9	1509.0	1520.1
20.5°	1502.5	1493.2	1485.5	1478.9	1475.2	1474.8	1477.5	1483.1	1490.9	1501.4	1512.9
21°	1494.5	1485.3	1477.1	1470.2	1466.1	1466.0	1468.6	1474.2	1482.8	1493.8	1505.0





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CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1470.7	1459.8	1450.7	1443.8	1438.7	1437.9	1440.3	1446.4	1456.3	1469.2	1481.5
23°	1462.8	1451.2	1442.0	1434.3	1429.4	1429.1	1431.0	1437.5	1447.8	1460.7	1474.0
23.5°	1454.0	1442.0	1432.4	1424.7	1420.5	1418.7	1421.2	1427.9	1438.7	1451.6	1465.6
24°	1445.6	1433.2	1422.9	1414.3	1410.2	1408.4	1410.7	1418.6	1429.0	1442.6	1456.7
24.5°	1436.8	1424.4	1413.1	1404.3	1400.1	1397.8	1401.4	1409.6	1420.3	1433.7	1448.4
25°	1429.0	1415.1	1404.3	1394.9	1390.5	1387.8	1391.3	1399.8	1410.8	1424.7	1439.4
25.5°	1419.0	1405.5	1394.5	1384.8	1379.4	1377.6	1380.9	1389.0	1400.6	1415.2	1431.0
26°	1409.7	1395.7	1384.0	1374.7	1369.4	1367.0	1370.7	1378.8	1391.4	1406.2	1422.2
26.5°	1400.5	1386.2	1373.6	1364.2	1359.0	1356.4	1359.5	1368.5	1381.2	1396.7	1412.7
27°	1391.6	1377.1	1363.7	1353.2	1347.7	1346.2	1349.0	1357.7	1371.0	1386.6	1403.4
27.5°	1381.9	1366.2	1353.2	1342.2	1336.1	1335.4	1338.4	1347.0	1360.4	1377.3	1393.6
28°	1371.6	1356.2	1343.0	1331.5	1325.7	1323.9	1327.7	1337.2	1350.6	1367.1	1384.7
28.5°	1362.3	1346.6	1332.5	1321.4	1314.7	1312.6	1316.1	1325.9	1340.1	1356.7	1374.1
29°	1352.4	1335.8	1321.6	1309.7	1303.1	1302.1	1305.6	1314.3	1328.5	1346.1	1364.4
29.5°	1342.3	1325.0	1310.7	1298.5	1292.0	1289.9	1292.9	1303.3	1318.1	1336.3	1355.1
30°	1332.0	1314.3	1299.6	1287.3	1280.2	1278.3	1282.4	1292.4	1307.4	1326.1	1344.9
30.5°	1321.5	1303.9	1288.6	1275.9	1269.2	1266.6	1270.5	1280.7	1295.9	1314.9	1334.4
31°	1311.0	1293.0	1277.4	1264.6	1257.5	1254.9	1259.3	1269.7	1284.9	1304.0	1324.5
31.5°	1300.3	1282.0	1266.1	1252.9	1245.3	1242.8	1247.3	1258.3	1274.1	1293.6	1313.7
32°	1289.4	1271.3	1254.9	1240.8	1233.2	1230.7	1235.2	1246.2	1263.0	1282.7	1303.3
32.5°	1279.3	1260.2	1243.2	1228.5	1221.0	1218.5	1223.2	1234.1	1251.5	1271.9	1292.6
33°	1268.1	1248.5	1231.6	1216.3	1208.9	1206.4	1211.1	1222.1	1239.6	1260.9	1282.2
33.5°	1256.5	1236.8	1219.9	1204.1	1196.7	1194.2	1199.1	1210.0	1227.7	1249.6	1271.3
34°	1247.0	1225.3	1208.3	1192.6	1183.8	1181.9	1186.0	1197.8	1215.9	1238.1	1260.3
34.5°	1235.2	1213.8	1196.5	1181.0	1171.7	1169.0	1173.9	1186.2	1204.1	1226.6	1249.7
35°	1223.6	1202.0	1183.5	1168.6	1159.5	1156.4	1161.7	1174.2	1192.2	1215.0	1238.5
35.5°	1212.0	1190.2	1171.5	1156.4	1147.0	1144.1	1149.1	1162.0	1180.0	1203.4	1227.2
36°	1200.3	1178.6	1159.7	1143.3	1134.0	1131.3	1136.3	1148.5	1167.8	1191.9	1215.9
36.5°	1188.5	1166.5	1146.6	1130.7	1120.9	1118.7	1123.6	1136.5	1155.4	1179.3	1204.6
37°	1176.6	1153.7	1134.5	1118.5	1108.0	1105.3	1110.6	1124.2	1143.1	1167.2	1192.8
37.5°	1164.8	1141.6	1122.0	1105.8	1096.1	1092.6	1098.0	1111.1	1130.4	1154.9	1181.0
38°	1152.4	1129.1	1109.2	1092.4	1082.5	1080.3	1084.8	1098.7	1118.4	1142.9	1168.4
38.5°	1140.4	1117.1	1096.6	1079.9	1069.8	1066.5	1072.3	1085.9	1105.8	1130.8	1156.6
39°	1128.4	1104.9	1083.8	1066.9	1057.0	1053.9	1059.7	1073.3	1093.3	1118.6	1144.7
39.5°	1116.0	1092.7	1071.5	1054.1	1044.4	1040.8	1046.0	1060.1	1080.5	1106.0	1132.9
40°	1104.1	1079.9	1058.8	1041.5	1030.9	1027.8	1033.4	1047.3	1067.6	1093.6	1120.6
40.5°	1091.8	1067.3	1046.0	1028.4	1017.7	1014.7	1019.7	1033.9	1055.6	1081.1	1108.7
41°	1079.5	1054.6	1033.1	1015.0	1004.7	1001.5	1007.4	1021.5	1042.4	1068.7	1096.1
41.5°	1066.9	1042.1	1020.4	1002.5	991.7	988.7	993.8	1008.6	1029.8	1056.2	1083.8
42°	1054.2	1029.2	1007.2	989.5	978.2	975.3	981.2	995.3	1016.9	1043.2	1072.1
42.5°	1042.2	1016.9	994.3	976.4	965.3	962.4	967.9	982.5	1004.4	1030.3	1058.8
43°	1029.7	1003.7	981.7	963.3	951.8	949.6	955.3	969.7	991.5	1018.1	1046.7
43.5°	1016.8	991.1	968.6	950.0	939.3	936.1	941.8	956.2	977.9	1005.5	1034.0



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CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	978.5	951.9	929.3	911.1	900.3	896.6	902.2	917.3	938.8	967.0	996.2
45.5°	965.7	939.4	916.9	897.9	887.1	883.8	889.7	904.5	926.1	954.0	983.3
46°	952.9	926.7	903.5	885.1	873.8	871.3	876.8	891.7	913.7	941.1	970.7
46.5°	939.9	913.6	890.7	872.1	861.0	858.1	863.7	879.0	900.9	928.2	957.6
47°	927.2	900.4	877.6	859.1	847.7	845.0	850.9	865.5	887.7	915.2	945.2
47.5°	914.0	887.5	864.9	846.2	835.0	832.4	838.0	852.7	874.6	902.3	932.1
48°	900.7	874.9	851.4	833.2	822.4	819.1	824.6	839.6	861.7	889.2	919.0
48.5°	887.8	861.8	838.9	820.6	809.7	806.4	812.3	826.7	848.7	876.4	905.7
49°	875.1	848.7	826.0	808.0	796.5	793.5	799.7	814.3	836.4	864.0	892.9
49.5°	862.7	835.8	813.5	795.3	783.7	781.4	786.8	801.6	823.0	850.8	880.4
50°	848.6	823.0	800.2	782.2	771.0	768.4	774.6	788.5	810.8	837.6	867.6
50.5°	836.3	810.0	786.8	769.3	758.9	755.9	761.1	775.6	797.7	824.7	854.5
51°	823.1	796.8	774.7	756.9	746.0	743.9	749.0	763.2	784.5	811.9	841.8
51.5°	809.9	784.1	762.2	744.6	733.5	731.2	736.7	751.1	772.2	799.2	828.5
52°	796.6	771.7	749.6	732.1	721.1	718.6	724.3	738.8	759.8	787.0	815.7
52.5°	783.8	758.9	736.9	719.5	709.1	706.9	711.8	726.3	747.4	774.0	802.7
53°	771.0	746.0	724.0	706.9	696.6	694.7	699.7	713.8	734.6	761.1	789.9
53.5°	758.1	733.3	711.3	694.6	684.2	682.1	687.9	701.2	722.3	748.5	777.6
54°	745.3	720.7	698.8	682.4	672.2	669.4	675.0	688.6	709.5	735.6	764.6
54.5°	732.3	707.6	686.4	670.0	660.0	657.9	663.4	676.5	697.2	722.9	751.2
55°	719.3	694.6	674.1	658.0	647.8	645.7	651.1	664.5	684.7	710.6	738.3
55.5°	706.8	682.3	661.7	645.7	636.4	634.2	639.5	652.4	672.3	697.9	725.2
56°	693.7	669.7	649.2	633.8	624.3	622.4	627.6	640.1	659.9	685.4	712.7
56.5°	680.7	656.9	637.3	621.9	612.1	610.2	615.8	628.5	648.0	672.8	699.7
57°	668.0	644.6	624.8	609.9	600.5	598.9	604.1	616.8	635.6	660.0	687.0
57.5°	654.7	632.4	613.0	597.8	588.8	587.0	591.8	604.5	623.6	647.5	674.1
58°	642.2	619.7	600.7	586.1	577.6	575.6	580.7	592.7	611.3	634.9	661.5
58.5°	629.2	607.7	588.9	574.3	565.9	564.3	569.2	581.0	599.6	622.9	649.1
59°	616.7	595.3	576.7	562.9	554.2	552.7	557.6	569.5	587.5	610.7	636.4
59.5°	604.1	582.8	565.2	551.1	542.6	541.2	546.7	557.9	575.9	598.3	623.7
60°	591.3	570.9	553.5	539.4	531.8	530.4	535.0	546.3	563.9	586.1	610.7
60.5°	578.9	558.6	541.5	527.9	520.3	518.9	523.6	534.8	552.3	573.9	597.8
61°	566.0	546.5	529.7	516.6	509.0	507.8	512.3	523.5	540.4	561.8	585.7
61.5°	553.5	534.5	518.2	505.8	498.7	496.9	501.6	512.4	529.0	549.7	572.9
62°	540.7	522.5	506.9	494.2	487.1	486.1	490.5	501.3	517.3	537.9	560.4
62.5°	528.7	510.6	495.2	483.0	476.0	475.3	479.6	490.0	505.9	526.0	548.0
63°	516.4	498.8	483.4	471.8	465.4	464.3	468.6	478.8	494.3	514.0	535.6
63.5°	504.2	486.9	472.1	460.8	454.8	453.7	458.0	467.8	483.0	502.4	523.6
64°	491.5	475.1	461.4	450.1	444.1	443.1	447.1	457.1	471.5	490.6	511.1
64.5°	479.4	463.4	449.9	439.1	433.1	432.6	436.6	446.1	460.3	478.7	499.0
65°	467.3	451.8	438.6	428.4	422.9	422.0	426.2	435.5	449.4	467.1	486.8
65.5°	455.1	440.3	428.0	417.9	412.3	411.6	415.8	424.7	438.5	455.5	474.6
66°	443.4	428.9	417.1	407.0	401.6	401.1	404.9	413.8	427.2	444.1	462.4



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CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	406.9	394.4	383.8	375.7	371.2	370.6	374.4	382.5	394.4	409.7	426.1
68°	395.1	383.3	373.1	365.2	361.2	360.9	364.4	372.3	383.5	398.5	414.6
68.5°	383.6	372.0	362.5	355.1	351.2	350.6	354.3	362.1	373.1	387.3	403.0
69°	371.8	360.9	352.0	345.0	341.2	341.0	344.3	351.8	362.5	376.1	391.4
69.5°	360.2	350.0	341.4	334.7	331.0	331.0	334.3	341.7	351.9	364.9	379.4
70°	348.8	339.1	331.1	324.6	321.5	321.6	324.7	331.5	341.3	353.8	367.7
70.5°	336.9	328.2	320.6	315.0	312.0	312.1	315.1	321.5	330.9	343.1	355.8
71°	325.6	317.4	310.6	305.2	302.4	302.5	305.5	311.7	320.8	332.1	344.8
71.5°	314.4	306.7	300.4	295.4	292.7	292.9	296.0	301.9	310.6	321.4	333.2
72°	303.2	296.2	290.3	285.7	283.4	283.9	286.7	292.3	300.5	310.8	322.0
72.5°	291.9	285.7	280.4	276.2	274.2	274.5	277.4	282.8	290.5	300.1	310.5
73°	281.0	275.4	270.4	266.7	264.8	265.3	267.9	273.2	280.2	289.6	299.9
73.5°	270.0	265.0	260.5	257.3	255.9	256.1	258.9	263.6	270.6	279.2	288.5
74°	259.0	254.7	251.1	248.2	246.7	247.6	249.8	254.4	260.9	269.0	277.5
74.5°	248.3	244.7	241.4	239.2	237.9	238.7	241.0	245.4	251.3	258.7	266.4
75°	237.8	234.9	232.2	230.0	229.1	229.9	232.2	236.1	241.7	248.5	256.1
75.5°	227.5	225.0	222.6	221.2	220.5	221.2	223.3	227.1	232.2	238.5	245.4
76°	216.9	215.3	213.8	212.3	211.7	212.7	214.7	218.3	223.1	228.6	234.9
76.5°	206.7	205.6	204.6	203.6	203.4	204.2	206.2	209.6	213.8	218.8	224.4
77°	196.8	196.2	195.9	195.2	195.0	196.0	197.9	200.9	204.8	209.2	214.2
77.5°	186.7	186.9	186.9	186.9	187.1	188.0	189.9	192.4	196.0	199.8	203.6
78°	177.0	178.1	178.4	178.7	179.3	180.1	181.7	184.2	187.3	190.5	193.8
78.5°	167.7	169.4	170.1	170.6	171.4	172.4	173.9	176.1	178.5	181.4	183.9
79°	158.2	160.4	161.8	162.8	163.6	164.8	166.2	168.1	170.2	172.3	174.4
79.5°	149.4	152.1	153.9	155.2	156.2	157.4	158.9	160.4	162.0	163.6	164.6
80°	140.6	144.2	146.6	148.1	149.4	150.3	151.5	152.6	154.2	154.9	155.5
80.5°	131.8	136.4	139.2	141.1	142.6	143.5	144.6	145.5	146.8	146.8	146.8
81°	123.1	128.5	131.8	134.2	135.8	136.8	137.8	138.6	139.3	138.9	138.2
81.5°	114.9	120.5	124.4	127.2	129.0	130.0	131.0	131.7	131.9	131.0	129.5
82°	107.3	113.0	117.1	120.2	122.2	123.3	124.2	124.8	124.5	123.1	120.8
82.5°	99.5	105.9	110.3	113.6	115.8	117.1	117.9	118.0	117.1	115.5	112.4
83°	92.0	98.8	103.7	107.2	109.5	110.9	111.6	111.4	110.3	108.1	104.6
83.5°	84.9	92.0	97.4	101.0	103.4	104.7	105.4	105.1	103.7	101.0	96.9
84°	78.1	85.5	91.1	95.0	97.5	99.0	99.5	99.0	97.2	94.0	89.6
84.5°	71.5	79.5	85.2	89.2	91.9	93.3	93.7	93.0	91.1	87.5	82.3
85°	65.4	73.5	79.4	83.7	86.4	87.8	88.1	87.3	85.0	81.2	75.6
85.5°	59.6	67.8	73.9	78.3	81.1	82.4	82.7	81.8	79.2	75.1	69.2
86°	54.1	62.3	68.7	73.2	76.0	77.4	77.7	76.5	73.7	69.2	63.1
86.5°	48.8	57.3	63.8	68.3	71.1	72.5	72.7	71.4	68.5	63.7	57.1
87°	44.0	52.5	58.9	63.6	66.6	68.0	68.0	66.5	63.5	58.5	51.7
87.5°	39.5	48.0	54.6	59.3	62.2	63.6	63.5	62.0	58.7	53.6	46.6
88°	35.4	43.8	50.4	55.1	58.0	59.3	59.3	57.7	54.2	49.1	41.9
88.5°	31.7	40.0	46.4	51.2	54.0	55.3	55.2	53.5	50.1	44.8	37.6



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	22.6	30.1	36.2	40.7	43.6	44.8	44.5	42.6	38.9	33.6	26.5
90.5°	20.3	27.4	33.3	37.8	40.5	41.7	41.3	39.4	35.8	30.5	23.6
91°	18.3	25.0	30.8	35.1	37.7	38.8	38.5	36.5	33.0	27.7	21.1
91.5°	16.6	22.9	28.4	32.5	35.2	36.2	35.8	33.9	30.3	25.2	18.9
92°	15.5	21.1	26.3	30.2	32.7	33.8	33.4	31.4	28.0	23.1	17.0
92.5°	14.5	19.5	24.4	28.2	30.6	31.5	31.1	29.2	25.8	21.1	15.8
93°	13.5	18.1	22.8	26.3	28.6	29.5	29.1	27.2	23.9	19.4	14.7
93.5°	12.5	17.0	21.4	24.7	26.9	27.7	27.3	25.5	22.3	18.0	13.6
94°	11.5	16.1	20.2	23.3	25.4	26.2	25.7	23.9	20.9	16.8	12.5
94.5°	11.0	15.3	19.1	22.1	24.1	24.8	24.3	22.6	19.7	15.8	11.3
95°	10.5	14.6	18.2	21.1	22.9	23.5	23.0	21.4	18.6	14.9	10.7
95.5°	10.1	14.0	17.4	20.1	21.8	22.4	21.9	20.4	17.7	14.2	10.3
96°	9.8	13.6	16.7	19.3	20.9	21.4	21.0	19.4	16.9	13.6	10.0
96.5°	9.5	13.2	16.1	18.5	20.0	20.6	20.1	18.7	16.2	13.1	9.6
97°	9.3	12.8	15.6	17.8	19.2	19.8	19.4	18.0	15.7	12.6	9.2
97.5°	9.1	12.4	15.1	17.2	18.6	19.1	18.7	17.4	15.2	12.1	8.8
98°	9.0	12.0	14.6	16.7	18.0	18.5	18.2	16.9	14.8	11.6	8.4
98.5°	8.9	11.7	14.2	16.2	17.5	18.0	17.6	16.4	14.3	11.2	8.1
99°	8.7	11.5	13.9	15.8	17.0	17.4	17.1	15.9	13.8	10.8	7.9
99.5°	8.6	11.3	13.6	15.4	16.5	16.9	16.6	15.4	13.4	10.5	7.8
100°	8.5	11.1	13.3	15.0	16.1	16.5	16.1	14.9	13.0	10.2	7.7
100.5°	8.4	11.0	13.1	14.7	15.7	16.1	15.6	14.5	12.6	10.0	7.6
101°	8.3	10.8	12.9	14.4	15.4	15.7	15.2	14.1	12.2	9.9	7.6
101.5°	8.1	10.7	12.6	14.1	15.0	15.4	14.9	13.7	11.8	9.8	7.5
102°	8.0	10.5	12.4	13.9	14.7	15.0	14.5	13.4	11.7	9.6	7.3
102.5°	7.8	10.4	12.2	13.6	14.5	14.7	14.3	13.2	11.5	9.5	7.2
103°	7.7	10.2	12.0	13.4	14.2	14.5	14.1	13.1	11.4	9.4	7.0
103.5°	7.5	10.1	11.9	13.2	14.0	14.3	13.9	12.9	11.2	9.3	6.8
104°	7.3	9.9	11.7	13.0	13.8	14.1	13.7	12.7	11.1	9.2	6.6
104.5°	7.2	9.7	11.5	12.8	13.6	13.9	13.5	12.6	11.0	9.0	6.4
105°	7.0	9.5	11.3	12.6	13.4	13.7	13.4	12.4	10.9	8.9	6.2
105.5°	6.9	9.3	11.1	12.4	13.2	13.6	13.2	12.2	10.7	8.7	6.1
106°	6.7	9.1	10.9	12.2	13.0	13.4	13.1	12.1	10.6	8.4	5.9
106.5°	6.6	8.9	10.7	12.0	12.8	13.2	12.9	11.9	10.4	8.2	5.7
107°	6.4	8.7	10.5	11.8	12.6	13.0	12.7	11.7	10.1	8.0	5.6
107.5°	6.3	8.5	10.2	11.6	12.4	12.7	12.4	11.5	9.9	7.7	5.4
108°	6.1	8.3	10.0	11.4	12.1	12.5	12.2	11.3	9.6	7.5	5.3
108.5°	5.9	8.2	9.8	11.1	11.9	12.3	12.0	11.0	9.4	7.3	5.1
109°	5.8	8.0	9.7	10.9	11.7	12.0	11.7	10.7	9.1	7.1	5.0
109.5°	5.6	7.8	9.4	10.6	11.4	11.7	11.5	10.4	8.9	7.0	4.9
110°	5.4	7.6	9.2	10.4	11.1	11.5	11.2	10.2	8.6	6.8	4.8
110.5°	5.3	7.4	9.0	10.1	10.9	11.2	10.9	9.9	8.4	6.6	4.6
111°	5.1	7.2	8.8	9.9	10.6	10.9	10.7	9.7	8.2	6.5	4.5



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	4.6	6.6	8.3	9.3	9.9	10.2	9.9	9.0	7.6	6.0	4.0
113°	4.4	6.4	8.1	9.0	9.7	9.9	9.7	8.8	7.4	5.9	3.9
113.5°	4.2	6.2	7.9	8.8	9.5	9.7	9.4	8.6	7.2	5.7	3.8
114°	4.1	6.0	7.7	8.6	9.2	9.5	9.2	8.4	7.0	5.6	3.6
114.5°	3.9	5.8	7.5	8.5	9.0	9.3	9.0	8.1	6.8	5.4	3.5
115°	3.8	5.6	7.3	8.3	8.8	9.0	8.8	7.9	6.6	5.3	3.4
115.5°	3.8	5.4	7.0	8.1	8.6	8.8	8.6	7.7	6.5	5.0	3.4
116°	3.7	5.2	6.8	7.9	8.4	8.6	8.3	7.5	6.3	4.9	3.3
116.5°	3.6	5.0	6.6	7.7	8.3	8.4	8.1	7.3	6.1	4.7	3.2
117°	3.6	4.8	6.4	7.5	8.1	8.1	7.9	7.1	5.9	4.5	3.2
117.5°	3.5	4.6	6.1	7.3	7.9	8.0	7.7	6.9	5.7	4.4	3.1
118°	3.5	4.5	5.9	7.1	7.7	7.8	7.5	6.7	5.5	4.3	3.0
118.5°	3.4	4.4	5.7	6.9	7.5	7.6	7.3	6.5	5.2	4.1	3.0
119°	3.3	4.2	5.4	6.6	7.2	7.4	7.1	6.3	5.0	4.0	2.8
119.5°	3.2	4.1	5.2	6.3	7.0	7.1	6.9	6.0	4.8	3.9	2.7
120°	3.0	4.0	5.0	6.1	6.8	6.9	6.6	5.8	4.7	3.8	2.6
120.5°	2.9	3.9	4.9	5.9	6.5	6.7	6.4	5.6	4.5	3.6	2.5
121°	2.8	3.8	4.7	5.6	6.2	6.4	6.1	5.4	4.4	3.6	2.5
121.5°	2.7	3.7	4.6	5.4	6.0	6.1	5.9	5.1	4.2	3.5	2.4
122°	2.7	3.7	4.4	5.2	5.8	5.9	5.7	5.0	4.1	3.4	2.4
122.5°	2.8	3.6	4.3	5.0	5.5	5.7	5.5	4.8	4.0	3.3	2.5
123°	2.8	3.5	4.2	4.9	5.3	5.5	5.3	4.7	3.9	3.1	2.5
123.5°	2.9	3.4	4.1	4.7	5.2	5.3	5.1	4.5	3.7	2.9	2.6
124°	2.9	3.3	4.0	4.6	5.0	5.1	4.9	4.4	3.7	2.8	2.6
124.5°	3.0	3.1	3.9	4.5	4.9	4.9	4.8	4.3	3.6	2.6	2.6
125°	3.0	2.9	3.8	4.4	4.7	4.8	4.6	4.2	3.5	2.5	2.7
125.5°	3.1	2.8	3.7	4.3	4.6	4.7	4.5	4.1	3.4	2.4	2.7
126°	3.1	2.7	3.6	4.1	4.4	4.5	4.4	4.0	3.2	2.3	2.8
126.5°	3.2	2.7	3.4	4.0	4.3	4.4	4.3	3.9	3.1	2.3	2.8
127°	3.3	2.7	3.3	3.9	4.2	4.3	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	2.8	2.3	2.9
128°	3.4	2.8	3.0	3.7	4.0	4.1	4.0	3.6	2.7	2.4	2.9
128.5°	3.4	2.9	2.8	3.5	3.9	4.0	3.9	3.4	2.6	2.4	2.9
129°	3.5	2.9	2.7	3.4	3.8	3.9	3.8	3.2	2.5	2.5	2.9
129.5°	3.5	3.0	2.6	3.2	3.7	3.8	3.6	3.0	2.4	2.5	2.9
130°	3.6	3.0	2.7	3.1	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	2.8	2.5	2.6	2.9
131°	3.6	3.1	2.8	2.7	3.1	3.2	3.1	2.6	2.5	2.7	2.9
131.5°	3.7	3.1	2.8	2.6	3.0	3.1	2.9	2.5	2.6	2.7	3.0
132°	3.7	3.2	2.9	2.6	2.8	2.9	2.8	2.5	2.6	2.8	3.0
132.5°	3.8	3.3	2.9	2.7	2.6	2.7	2.6	2.6	2.7	2.8	3.1
133°	3.8	3.3	3.0	2.7	2.6	2.6	2.6	2.6	2.7	2.9	3.2
133.5°	3.9	3.4	3.0	2.8	2.6	2.6	2.6	2.7	2.7	3.0	3.3



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	4.1	3.5	3.1	2.9	2.8	2.7	2.8	2.8	2.9	3.1	3.6
135.5°	4.2	3.6	3.2	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	2.9	3.0	3.2	3.6
136.5°	4.3	3.7	3.3	3.0	2.9	2.8	2.9	2.9	3.0	3.3	3.7
137°	4.3	3.8	3.3	3.1	2.9	2.9	2.9	3.0	3.1	3.4	3.7
137.5°	4.3	3.8	3.4	3.1	3.0	2.9	3.0	3.0	3.2	3.4	3.6
138°	4.2	3.9	3.4	3.2	3.0	2.9	3.0	3.0	3.2	3.5	3.5
138.5°	4.1	4.0	3.5	3.2	3.0	3.0	3.1	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	3.4	3.7	3.4
139.5°	4.1	4.1	3.6	3.3	3.1	3.1	3.1	3.2	3.4	3.8	3.4
140°	4.1	4.1	3.7	3.3	3.2	3.1	3.2	3.2	3.5	3.8	3.4
140.5°	4.1	4.2	3.8	3.4	3.2	3.2	3.2	3.3	3.6	3.8	3.4
141°	4.1	4.2	3.9	3.4	3.3	3.2	3.3	3.4	3.7	3.8	3.3
141.5°	4.1	4.3	4.0	3.5	3.3	3.3	3.3	3.4	3.8	3.8	3.3
142°	4.1	4.3	4.1	3.6	3.4	3.3	3.4	3.5	3.9	3.8	3.3
142.5°	4.1	4.2	4.1	3.7	3.4	3.4	3.4	3.6	3.9	3.7	3.4
143°	4.1	4.1	4.1	3.8	3.5	3.4	3.5	3.8	3.9	3.7	3.4
143.5°	4.1	4.0	4.1	4.0	3.6	3.5	3.6	3.9	4.0	3.6	3.4
144°	4.1	4.0	4.2	4.0	3.7	3.7	3.8	4.0	4.0	3.6	3.4
144.5°	4.1	4.0	4.2	4.1	3.9	3.8	3.9	4.0	4.0	3.6	3.4
145°	4.1	4.0	4.2	4.1	4.0	3.9	4.0	4.1	3.9	3.6	3.4
145.5°	4.0	4.0	4.1	4.1	4.0	4.0	4.1	4.1	3.8	3.6	3.4
146°	4.1	4.0	4.0	4.2	4.1	4.1	4.1	4.1	3.7	3.6	3.3
146.5°	4.1	4.0	3.9	4.2	4.1	4.1	4.2	4.1	3.7	3.6	3.3
147°	4.1	4.0	3.9	4.1	4.2	4.2	4.2	4.0	3.7	3.6	3.3
147.5°	4.1	4.0	4.0	4.0	4.2	4.3	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	3.9	3.7	3.5	3.3
148.5°	4.1	4.0	3.9	3.9	4.0	4.1	4.0	3.9	3.7	3.5	3.3
149°	4.1	4.0	3.9	3.9	3.9	4.0	4.0	3.8	3.7	3.5	3.3
149.5°	4.1	4.0	3.9	3.9	3.9	4.0	3.9	3.8	3.7	3.5	3.3
150°	4.1	4.0	4.0	3.9	3.9	4.0	3.9	3.8	3.7	3.5	3.3
150.5°	4.0	4.0	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	3.9	3.9	3.9	3.8	3.7	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	3.9	3.9	3.9	3.9	3.9	3.8	3.6	3.4	3.3
152.5°	4.3	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.6	3.4	3.3
153°	4.3	3.9	3.8	3.9	3.9	3.9	3.9	3.8	3.6	3.4	3.4
153.5°	4.3	3.9	3.8	3.9	3.9	3.9	3.9	3.8	3.6	3.4	3.4
154°	4.3	3.9	3.8	3.9	3.9	3.9	3.9	3.8	3.6	3.4	3.4
154.5°	4.3	4.0	3.8	3.8	3.9	3.9	3.8	3.8	3.6	3.4	3.4
155°	4.4	4.1	3.8	3.8	3.8	3.9	3.8	3.8	3.6	3.5	3.5
155.5°	4.2	4.1	3.9	3.8	3.8	3.9	3.8	3.8	3.6	3.5	3.5
156°	4.2	4.2	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.5	3.5



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**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: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1671.1	1671.1	1671.1	1671.1
0.5°	1670.8	1670.7	1670.7	1670.7
1°	1670.4	1670.5	1670.4	1670.5
1.5°	1670.1	1670.2	1670.2	1670.6
2°	1668.7	1669.4	1670.1	1670.3
2.5°	1667.3	1667.6	1669.0	1669.6
3°	1666.1	1667.1	1668.3	1668.5
3.5°	1665.3	1666.8	1667.2	1667.4
4°	1664.1	1665.9	1665.9	1666.6
4.5°	1661.8	1663.7	1664.1	1664.8
5°	1660.4	1661.7	1663.1	1663.8
5.5°	1659.2	1659.9	1661.5	1662.7
6°	1656.5	1658.7	1659.6	1661.3
6.5°	1654.0	1655.5	1657.7	1659.6
7°	1652.8	1653.3	1656.4	1657.9
7.5°	1649.7	1651.7	1652.7	1655.6
8°	1646.5	1648.7	1651.4	1653.9
8.5°	1643.1	1645.7	1649.0	1650.8
9°	1640.4	1642.7	1646.0	1649.0
9.5°	1637.2	1639.8	1642.9	1646.0
10°	1633.3	1635.9	1640.1	1642.7
10.5°	1630.0	1633.4	1636.2	1639.6
11°	1626.1	1630.5	1633.9	1636.2
11.5°	1622.2	1626.5	1630.8	1632.6
12°	1618.3	1622.6	1627.4	1629.2
12.5°	1613.7	1618.4	1623.3	1626.0
13°	1609.0	1614.0	1619.3	1622.2
13.5°	1604.6	1609.7	1615.4	1617.9
14°	1599.9	1605.4	1610.7	1613.8
14.5°	1594.8	1601.5	1606.2	1609.8
15°	1589.7	1596.2	1601.6	1605.1
15.5°	1584.1	1590.8	1596.8	1600.8
16°	1578.6	1585.8	1592.5	1595.7
16.5°	1572.9	1580.2	1587.9	1589.9
17°	1567.5	1574.8	1582.1	1584.7
17.5°	1561.6	1569.4	1576.0	1580.2
18°	1555.8	1564.0	1570.5	1575.4
18.5°	1549.8	1558.3	1565.1	1569.2
19°	1543.1	1552.1	1559.4	1563.4
19.5°	1535.8	1545.9	1553.4	1557.5
20°	1529.2	1539.4	1546.9	1551.7
20.5°	1522.8	1532.5	1540.8	1545.7
21°	1516.4	1525.6	1534.0	1539.8



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
22.5°	1493.5	1504.8	1514.4	1519.4
23°	1485.8	1497.6	1506.9	1513.3
23.5°	1478.1	1489.8	1499.5	1505.7
24°	1470.2	1482.4	1492.3	1498.4
24.5°	1461.9	1474.7	1485.0	1491.6
25°	1453.8	1466.5	1477.5	1484.2
25.5°	1444.9	1458.9	1469.3	1476.2
26°	1437.1	1450.5	1461.5	1468.5
26.5°	1428.3	1442.1	1453.4	1460.4
27°	1419.5	1433.8	1444.9	1452.3
27.5°	1410.2	1425.8	1436.6	1444.3
28°	1401.2	1416.3	1428.3	1435.6
28.5°	1391.8	1407.5	1419.6	1427.1
29°	1381.9	1398.3	1410.8	1419.2
29.5°	1373.2	1388.8	1401.7	1410.5
30°	1363.6	1380.1	1392.6	1401.2
30.5°	1353.5	1370.3	1383.7	1392.4
31°	1343.1	1361.1	1374.4	1383.5
31.5°	1333.7	1350.7	1364.8	1374.1
32°	1323.2	1341.0	1354.9	1364.0
32.5°	1313.2	1331.0	1345.2	1354.4
33°	1303.1	1321.4	1335.3	1345.1
33.5°	1293.0	1311.8	1325.3	1335.1
34°	1281.8	1301.2	1315.3	1324.8
34.5°	1271.4	1290.3	1304.7	1314.2
35°	1260.8	1280.2	1294.8	1304.5
35.5°	1249.7	1269.4	1284.3	1294.4
36°	1238.6	1258.9	1273.5	1283.9
36.5°	1227.6	1247.8	1263.8	1273.1
37°	1216.6	1236.7	1253.2	1262.6
37.5°	1205.6	1225.8	1242.6	1252.3
38°	1194.1	1214.8	1230.9	1242.1
38.5°	1181.6	1203.7	1219.3	1230.5
39°	1169.6	1192.2	1207.6	1218.5
39.5°	1158.0	1180.4	1196.2	1206.8
40°	1146.4	1168.9	1185.4	1195.4
40.5°	1134.7	1157.4	1174.2	1184.7
41°	1122.4	1145.4	1162.2	1173.2
41.5°	1110.5	1133.2	1150.7	1161.2
42°	1097.9	1121.3	1138.9	1149.8
42.5°	1085.7	1109.4	1126.7	1138.3
43°	1073.5	1097.1	1114.6	1126.2
43.5°	1061.2	1084.7	1102.8	1113.6



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
45°	1023.5	1048.3	1066.1	1077.1
45.5°	1011.2	1035.6	1053.3	1065.1
46°	998.4	1023.2	1040.9	1052.3
46.5°	985.8	1010.6	1028.2	1039.2
47°	973.5	998.0	1015.8	1026.5
47.5°	960.4	985.4	1003.1	1014.3
48°	947.8	972.0	990.1	1002.0
48.5°	934.5	959.6	977.6	988.8
49°	921.8	946.8	964.9	976.5
49.5°	909.2	933.6	951.8	963.5
50°	895.8	920.5	938.6	950.5
50.5°	883.0	907.8	925.5	937.1
51°	870.5	894.4	912.8	924.3
51.5°	857.5	881.9	900.0	911.1
52°	844.1	868.6	886.3	898.3
52.5°	831.1	855.4	873.5	884.8
53°	818.0	842.3	860.0	871.7
53.5°	805.3	829.1	847.0	858.4
54°	792.3	815.9	833.7	845.2
54.5°	779.4	802.8	820.4	831.7
55°	766.6	789.8	807.2	818.1
55.5°	752.6	776.8	793.7	805.1
56°	739.7	762.7	780.1	791.3
56.5°	727.0	750.1	767.2	778.1
57°	714.1	736.8	753.7	765.2
57.5°	700.7	723.6	740.5	751.2
58°	687.7	709.7	726.6	737.5
58.5°	674.6	696.7	713.3	724.4
59°	662.2	683.3	699.9	710.6
59.5°	648.7	670.1	686.7	697.2
60°	635.7	656.7	673.3	683.4
60.5°	622.4	643.6	659.6	670.0
61°	609.9	630.4	646.0	656.4
61.5°	596.7	617.1	632.4	643.0
62°	583.8	603.9	619.0	629.3
62.5°	570.9	590.9	605.5	615.8
63°	558.4	577.5	592.0	602.2
63.5°	545.3	564.2	578.7	588.8
64°	532.2	551.1	565.1	575.0
64.5°	519.5	537.8	552.0	561.1
65°	507.2	524.5	538.5	547.3
65.5°	494.1	511.6	524.8	533.4
66°	481.9	498.8	511.4	519.5



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CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
67.5°	444.0	459.6	471.6	479.1
68°	431.3	446.3	458.0	465.8
68.5°	418.8	433.5	444.4	452.2
69°	406.8	420.3	431.5	438.6
69.5°	394.4	407.4	418.1	425.3
70°	381.9	394.8	405.1	411.7
70.5°	369.6	382.0	391.8	398.3
71°	357.6	369.2	378.8	385.2
71.5°	345.4	356.4	365.5	371.8
72°	333.3	343.9	352.4	358.8
72.5°	321.3	331.5	339.2	345.6
73°	309.4	318.7	326.5	332.2
73.5°	298.0	306.6	313.7	318.7
74°	286.2	294.0	300.9	306.0
74.5°	274.3	281.8	288.1	293.1
75°	262.8	269.2	275.2	280.3
75.5°	251.5	257.5	262.6	267.2
76°	240.5	245.3	250.6	254.5
76.5°	229.1	233.7	237.9	242.0
77°	218.2	221.8	225.9	229.6
77.5°	207.1	210.4	213.6	216.9
78°	196.5	198.6	201.8	205.0
78.5°	186.0	187.6	189.6	192.6
79°	175.6	176.5	178.0	180.6
79.5°	165.4	165.7	166.9	168.8
80°	155.9	155.5	156.1	157.6
80.5°	146.4	145.2	145.3	146.1
81°	136.8	134.9	134.4	134.9
81.5°	127.3	124.6	123.6	123.9
82°	117.8	114.4	112.8	113.2
82.5°	108.9	105.0	102.5	102.2
83°	100.0	95.8	93.0	92.6
83.5°	91.7	86.6	83.3	82.9
84°	83.7	77.9	74.2	73.6
84.5°	76.1	69.7	65.3	64.4
85°	68.7	61.8	57.2	56.0
85.5°	61.9	54.4	49.1	48.7
86°	55.4	47.4	41.8	41.4
86.5°	49.2	41.0	34.8	34.1
87°	43.4	34.8	28.5	26.9
87.5°	38.2	29.4	24.0	20.6
88°	33.4	24.6	19.5	14.9
88.5°	29.0	21.3	15.1	10.0



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
90°	18.6	11.6	4.3	3.2
90.5°	16.7	8.5	2.9	1.8
91°	14.9	7.0	2.1	0.3
91.5°	13.1	5.8	1.7	0.3
92°	11.3	5.1	1.4	0.2
92.5°	9.5	4.6	1.3	0.2
93°	8.6	4.2	1.2	0.2
93.5°	8.0	3.9	1.1	0.2
94°	7.5	3.6	1.1	0.2
94.5°	7.1	3.4	1.0	0.3
95°	6.8	3.3	1.0	0.4
95.5°	6.4	3.2	1.0	0.4
96°	6.0	3.2	1.0	0.5
96.5°	5.8	3.2	1.0	0.6
97°	5.6	3.1	1.0	0.6
97.5°	5.5	3.0	0.9	0.7
98°	5.5	2.9	0.9	0.7
98.5°	5.5	2.8	0.9	0.8
99°	5.4	2.7	0.9	0.9
99.5°	5.4	2.6	1.0	1.0
100°	5.3	2.6	1.1	1.1
100.5°	5.1	2.6	1.1	1.2
101°	4.9	2.6	1.2	1.3
101.5°	4.8	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°	4.2	2.2	1.6	1.7
104°	4.1	2.1	1.6	1.7
104.5°	4.0	2.1	1.7	1.7
105°	3.9	2.0	1.7	1.8
105.5°	3.8	2.0	1.8	1.8
106°	3.7	1.9	1.9	1.7
106.5°	3.6	1.9	2.2	1.7
107°	3.5	1.8	2.3	1.7
107.5°	3.4	1.7	2.2	1.7
108°	3.2	1.7	2.2	1.7
108.5°	3.1	1.7	2.2	1.8
109°	3.0	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	1.8	2.0	1.8
111°	2.6	1.8	2.1	1.8



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	2.4	1.9	2.1	1.8
113°	2.4	1.9	2.1	1.9
113.5°	2.3	2.0	2.1	1.9
114°	2.1	2.0	2.2	1.9
114.5°	2.1	2.1	2.2	1.9
115°	2.1	2.1	2.2	2.0
115.5°	2.0	2.2	2.2	2.0
116°	2.0	2.2	2.2	2.0
116.5°	2.1	2.3	2.2	2.0
117°	2.1	2.4	2.2	2.0
117.5°	2.2	2.5	2.2	2.0
118°	2.2	2.7	2.2	2.0
118.5°	2.3	2.8	2.2	2.0
119°	2.3	2.8	2.3	2.0
119.5°	2.4	2.8	2.3	2.0
120°	2.4	2.8	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	2.8	2.4	2.1
122°	2.5	2.7	2.4	2.1
122.5°	2.6	2.7	2.4	2.2
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	2.3
125.5°	3.0	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	3.0	2.6	2.4
127.5°	3.5	3.0	2.7	2.4
128°	3.5	3.0	2.7	2.4
128.5°	3.5	3.0	2.7	2.4
129°	3.5	3.0	2.8	2.4
129.5°	3.4	3.0	2.8	2.5
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°	3.3	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	2.9	2.5



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**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	2.8	2.5
136.5°	3.1	2.9	2.8	2.5
137°	3.2	2.9	2.8	2.5
137.5°	3.2	2.9	2.7	2.6
138°	3.2	2.9	2.6	2.6
138.5°	3.2	3.0	2.6	2.6
139°	3.2	3.0	2.7	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	2.7
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	2.7
143.5°	3.2	3.1	2.8	2.7
144°	3.2	3.2	2.8	2.7
144.5°	3.2	3.2	2.8	2.7
145°	3.2	3.2	2.8	2.7
145.5°	3.2	3.2	2.8	2.6
146°	3.2	3.2	2.8	2.6
146.5°	3.3	3.2	2.8	2.6
147°	3.3	3.2	2.7	2.6
147.5°	3.3	3.3	2.8	2.6
148°	3.3	3.3	2.8	2.6
148.5°	3.3	3.3	2.8	2.6
149°	3.3	3.3	2.8	2.6
149.5°	3.4	3.3	2.8	2.5
150°	3.4	3.3	2.8	2.6
150.5°	3.4	3.3	2.7	2.6
151°	3.4	3.3	2.7	2.4
151.5°	3.4	3.3	2.7	2.3
152°	3.4	3.3	2.7	2.3
152.5°	3.4	3.2	2.7	2.4
153°	3.4	3.2	2.6	2.3
153.5°	3.5	3.1	2.4	2.1
154°	3.5	3.1	2.3	2.0
154.5°	3.5	3.1	2.3	1.9
155°	3.5	3.0	2.3	1.9
155.5°	3.5	2.9	2.2	2.0
156°	3.5	2.8	2.0	1.9



TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
157.5°	3.5	2.8	1.9	1.7
158°	3.5	2.7	1.9	1.7
158.5°	3.6	2.7	1.9	1.7
159°	3.6	2.7	1.9	1.8
159.5°	3.6	2.7	1.9	1.8
160°	3.6	2.7	1.9	1.8
160.5°	3.6	2.7	1.9	1.8
161°	3.6	2.7	1.9	1.8
161.5°	3.6	2.6	1.8	1.8
162°	3.7	2.6	1.8	1.8
162.5°	3.6	2.6	1.8	1.8
163°	3.6	2.4	1.8	1.8
163.5°	3.7	2.3	1.8	1.8
164°	3.7	2.3	1.8	1.8
164.5°	3.2	2.3	1.8	1.8
165°	3.1	2.2	1.8	1.8
165.5°	3.4	2.1	1.8	1.8
166°	3.4	2.0	1.8	1.9
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	1.9	1.9
168°	3.4	2.5	1.9	1.9
168.5°	3.2	2.4	2.0	1.9
169°	3.1	2.5	2.0	2.0
169.5°	3.2	2.6	2.1	2.0
170°	3.1	2.6	2.4	2.1
170.5°	3.1	2.7	2.5	2.3
171°	3.3	2.9	2.6	2.6
171.5°	3.3	3.0	2.7	2.7
172°	3.3	3.0	2.9	2.7
172.5°	3.3	3.1	2.9	2.8
173°	3.3	3.1	2.9	2.8
173.5°	3.2	3.1	3.0	2.8
174°	3.2	3.1	3.1	2.9
174.5°	3.2	3.1	3.1	3.0
175°	3.2	3.1	3.1	3.0
175.5°	3.2	3.1	3.1	3.1
176°	3.2	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	3.2





TEST NUMBER: P563548

CATALOG NUMBER: 4NWS3C3-UNV-MED-5000K

**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°	1533.4	1537.1	1536.7	1533.9	1528.3	1521.6	1514.6	1508.6	1503.6	1501.1	1500.2
22°	1526.1	1530.1	1530.0	1526.8	1521.3	1514.3	1506.5	1500.5	1496.0	1492.6	1491.8



44°	1101.6	1105.6	1100.5	1088.8	1069.9	1046.7	1023.1	1002.9	988.0	980.7	981.7
44.5°	1089.4	1092.8	1088.5	1076.1	1057.3	1033.6	1010.5	989.9	975.0	967.8	967.8





66.5°	505.9	510.6	509.4	502.3	490.8	474.9	460.2	447.3	437.9	432.4	431.0
67°	492.3	496.7	496.3	489.8	478.3	463.3	449.4	436.6	427.1	422.0	421.0



89°	6.2	12.2	23.2	35.9	47.8	56.0	62.6	66.5	67.9	67.3	64.9
89.5°	4.6	8.6	19.1	31.3	43.0	51.8	58.4	61.8	63.3	62.9	60.4



111.5°	1.8	1.8	1.5	1.3	1.8	2.8	4.0	5.2	6.1	6.3	6.1
112°	1.8	1.8	1.5	1.4	1.7	2.6	3.8	5.0	5.8	6.0	5.8



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



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



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





21.5°	1501.6	1505.5	1509.1	1513.5	1517.7	1519.6	1519.6	1517.7	1513.0	1505.9	1496.9
22°	1493.3	1496.9	1501.5	1506.4	1510.9	1512.4	1512.7	1510.9	1505.7	1498.4	1489.2





44°	988.8	1003.5	1022.5	1040.4	1056.4	1067.8	1072.3	1070.4	1062.7	1048.3	1027.4
44.5°	976.1	991.1	1009.7	1027.2	1043.7	1055.2	1059.1	1058.3	1050.5	1035.7	1014.4



66.5°	434.1	440.7	449.8	459.0	467.0	472.4	471.2	470.3	464.5	456.3	444.2
67°	423.8	429.8	438.4	446.8	454.1	458.4	458.1	456.9	451.3	443.2	431.8



89°	60.6	54.4	46.7	35.6	23.9	12.8	5.2	0.8	4.2	11.9	19.5
89.5°	56.5	50.5	42.3	31.7	20.5	10.3	4.0	0.7	3.1	8.9	17.6



111.5°	5.3	4.2	3.0	2.3	2.3	2.8	3.4	3.1	3.6	2.7	3.1
112°	5.1	4.0	2.9	2.3	2.3	2.9	3.5	3.2	3.7	2.7	3.1



134°	3.4	3.8	4.4	5.4	5.5	4.3	3.8	3.5	4.4	4.6	4.3
134.5°	3.4	3.9	4.5	5.5	5.4	4.3	3.8	3.5	4.4	4.7	4.2



156.5°	3.9	3.7	3.6	3.8	3.7	3.5	3.4	2.9	3.1	3.5	3.9
157°	3.9	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	2.9	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°	1487.2	1476.7	1468.1	1460.9	1457.4	1456.6	1458.6	1465.0	1474.1	1485.7	1497.5
22°	1479.3	1467.9	1458.8	1452.5	1448.7	1446.9	1449.9	1455.5	1465.2	1477.0	1489.4



44°	1004.0	978.1	955.2	936.9	925.8	922.9	928.6	943.2	965.3	992.0	1021.7
44.5°	991.5	964.8	942.2	924.1	912.4	909.4	915.5	930.4	952.4	979.4	1008.4



66.5°	431.0	417.2	405.4	396.5	391.3	390.9	394.8	403.4	416.1	432.4	450.5
67°	418.8	405.7	394.6	386.3	381.4	380.9	384.3	393.1	405.3	420.8	438.6



89°	28.3	36.4	42.7	47.4	50.3	51.6	51.4	49.5	46.0	40.6	33.5
89.5°	25.3	33.1	39.3	43.9	46.9	48.1	47.8	45.9	42.3	36.9	29.8



111.5°	4.9	7.0	8.7	9.7	10.4	10.7	10.4	9.4	8.0	6.3	4.3
112°	4.7	6.8	8.5	9.5	10.1	10.4	10.2	9.2	7.8	6.2	4.2



134°	4.0	3.4	3.0	2.8	2.7	2.6	2.7	2.7	2.8	3.0	3.4
134.5°	4.1	3.5	3.1	2.9	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	3.8	3.8	3.7	3.6	3.5
157°	4.4	4.2	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.6



179°	3.1	3.0	2.9	2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.2
179.5°	2.7	2.7	2.7	2.8	2.8	2.9	3.0	3.0	3.0	3.0	3.0







21.5°	1508.8	1519.3	1527.3	1533.4
22°	1500.9	1512.7	1521.3	1526.1



44°	1048.9	1073.0	1090.1	1101.6
44.5°	1037.0	1060.3	1078.2	1089.4



66.5°	469.0	485.7	498.1	505.9
67°	456.3	472.6	485.1	492.3



89°	25.1	18.1	10.6	6.2
89.5°	21.6	14.8	6.3	4.6



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



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



156.5°	3.5	2.8	2.0	1.7
157°	3.5	2.8	2.0	1.7





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



(END OF REPORT)