

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: P563565

Luminaire Tested: **4NWS3C3MS-UNV-MED-4000K**

Issue Date: 7/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563565  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( s22030032e-01 )  
Test Lab: INNOVATION CENTER  
Issue Date: 7/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4NWS3C3MS-UNV-MED-4000K  
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND MED LUMEN SETTING  
Light Source: -  
Ballast/Driver:

**Summary**

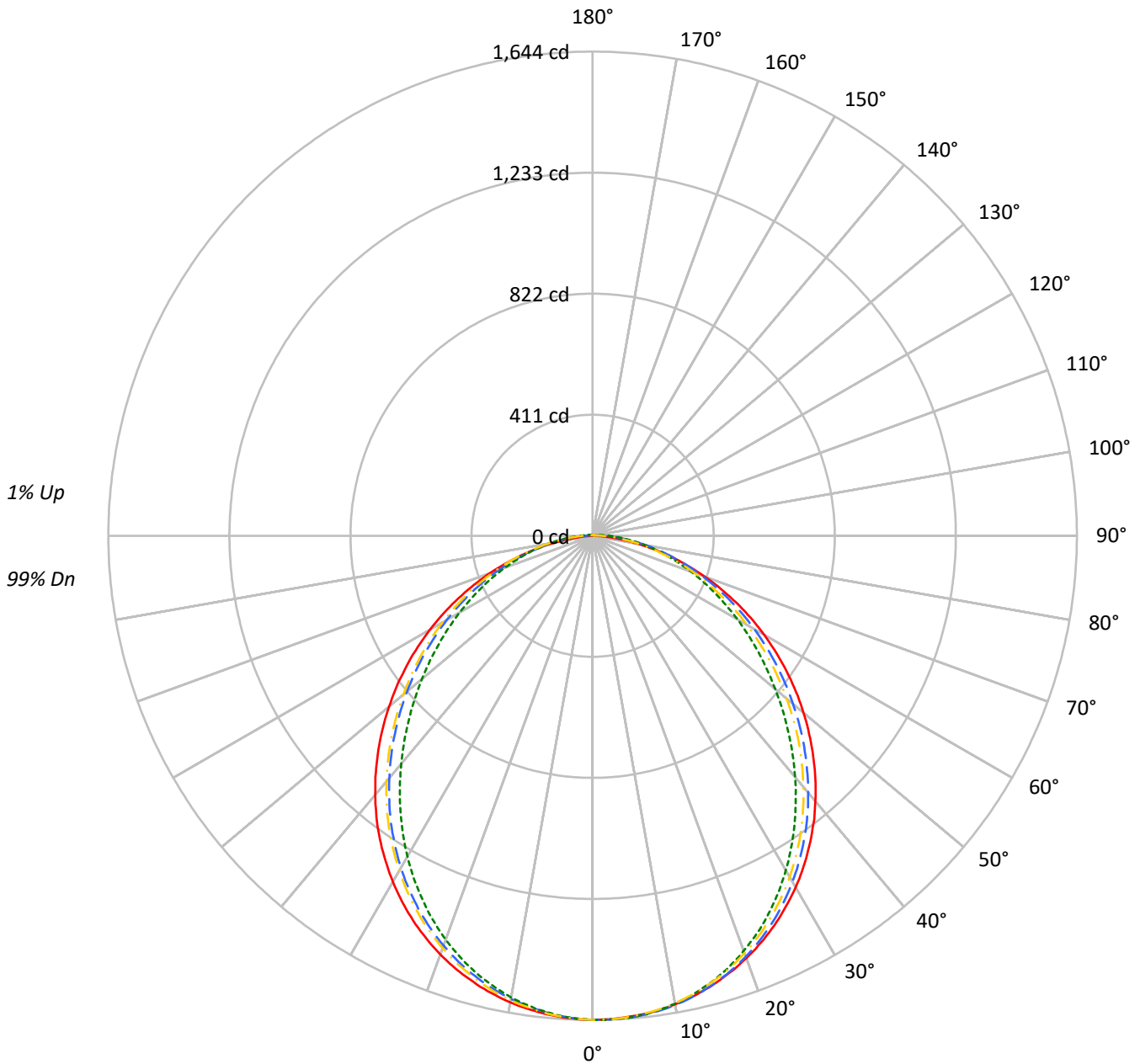
Lumens per Lamp: N/A  
Luminaire Lumens: 4285.0 lumens  
Efficiency: N/A  
Efficacy: 135.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.17 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 31.7  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99																			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	89	87	85	83																			
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70																			
3	91	80	72	66	88	79	71	65	75	69	64	73	67	63	70	65	61	59																			
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53	51																			
5	77	64	55	48	74	63	54	48	60	53	48	58	52	47	56	51	46	44																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	48	42	37	47	41	36	35																			
8	61	48	39	34	60	47	39	34	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9990	9990	9990	9990
5°	9966	9840	9948	9767
10°	9935	9643	9892	9511
15°	9879	9389	9811	9196
20°	9798	9081	9710	8835
25°	9696	8723	9575	8418
30°	9558	8306	9406	7962
35°	9384	7838	9203	7460
40°	9169	7331	8955	6930
45°	8921	6797	8664	6383
50°	8627	6255	8323	5841
55°	8280	5734	7929	5309
60°	7887	5216	7473	4788
65°	7411	4689	6924	4257
70°	6808	4162	6223	3710
75°	6007	3612	5275	3124
80°	4854	3020	3949	2508
85°	3106	2412	1996	1917



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.1	3.6
10°-20°	440.3	10.3
20°-30°	653.8	15.3
30°-40°	762.2	17.8
40°-50°	754.5	17.6
50°-60°	648.0	15.1
60°-70°	474.2	11.1
70°-80°	269.2	6.3
80°-90°	89.7	2.1
90°-100°	16.2	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°	0.9	0.0
170°-180°	0.3	0.0
0°-30°	1249.2	29.2
0°-40°	2011.4	46.9
0°-60°	3413.9	79.7
0°-90°	4247.0	99.1
90°-120°	27.2	0.6
90°-150°	35.1	0.8
90°-180°	38.0	0.9
0°-180°	4285.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1644	1644	1644	1644	1644	
5°	1636	1639	1633	1627	1636	156
15°	1579	1567	1568	1535	1579	445
25°	1460	1414	1442	1365	1460	672
35°	1283	1195	1258	1137	1283	802
45°	1059	939	1029	882	1059	817
55°	804	686	770	635	804	719
65°	538	457	503	415	538	533
75°	276	261	242	226	276	292
85°	55	109	35	86	55	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	



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5
0.5°	1643.1	1643.2	1643.3	1643.4	1643.6	1643.7	1643.8	1643.9	1643.9	1643.9	1643.9
1°	1642.9	1643.1	1643.4	1643.7	1643.9	1644.0	1644.1	1644.0	1643.5	1643.0	1643.4
1.5°	1642.9	1643.6	1643.7	1643.1	1642.9	1643.1	1643.7	1644.1	1643.5	1644.3	1644.4
2°	1642.7	1643.1	1643.2	1643.1	1643.4	1644.0	1644.3	1644.3	1643.4	1643.5	1643.8
2.5°	1642.0	1642.5	1642.5	1642.6	1642.7	1642.2	1642.4	1642.2	1643.9	1642.9	1642.2
3°	1640.9	1641.2	1641.9	1642.3	1642.7	1642.8	1643.1	1643.4	1642.9	1642.7	1642.7
3.5°	1639.8	1640.6	1641.3	1642.6	1642.0	1642.4	1642.4	1642.0	1642.5	1641.4	1640.9
4°	1639.1	1640.5	1640.1	1641.6	1641.2	1641.5	1641.4	1641.1	1640.3	1642.0	1640.5
4.5°	1637.3	1638.6	1639.1	1640.1	1640.9	1640.8	1640.1	1640.9	1640.3	1640.4	1638.8
5°	1636.3	1637.6	1638.1	1638.7	1639.6	1639.6	1638.1	1638.7	1639.1	1639.1	1637.7
5.5°	1635.2	1636.4	1637.1	1637.3	1637.9	1637.4	1636.9	1636.9	1637.6	1637.2	1635.7
6°	1633.9	1635.0	1635.3	1636.1	1636.9	1636.1	1635.8	1635.3	1635.5	1635.0	1633.3
6.5°	1632.2	1633.5	1633.8	1634.3	1635.2	1634.5	1634.7	1633.5	1633.6	1633.4	1631.6
7°	1630.5	1631.3	1632.7	1632.3	1632.3	1631.4	1632.8	1631.3	1631.1	1631.0	1629.7
7.5°	1628.3	1629.1	1630.3	1631.2	1631.0	1630.2	1629.8	1629.2	1628.5	1627.3	1627.4
8°	1626.6	1626.6	1628.4	1628.7	1628.6	1627.9	1627.3	1626.9	1626.3	1625.4	1624.9
8.5°	1623.5	1623.8	1626.3	1625.9	1626.3	1625.8	1624.8	1624.2	1623.1	1622.5	1621.3
9°	1621.7	1623.2	1623.4	1624.0	1624.0	1623.4	1621.7	1621.4	1620.1	1620.6	1618.2
9.5°	1618.8	1620.2	1621.4	1621.0	1621.3	1619.9	1618.0	1618.0	1617.2	1615.6	1615.0
10°	1615.5	1617.4	1618.3	1618.4	1618.1	1617.0	1615.2	1614.1	1613.6	1613.9	1612.2
10.5°	1612.5	1614.1	1615.6	1615.7	1615.0	1613.7	1611.6	1610.5	1609.8	1609.6	1608.3
11°	1609.2	1610.2	1612.1	1612.2	1611.6	1610.9	1607.6	1607.2	1606.8	1605.7	1604.5
11.5°	1605.6	1607.8	1608.6	1609.1	1607.7	1607.2	1604.0	1603.6	1602.6	1601.8	1600.4
12°	1602.3	1604.3	1605.8	1605.9	1604.3	1603.1	1600.7	1599.5	1597.2	1597.6	1595.3
12.5°	1599.2	1600.7	1602.1	1602.2	1600.1	1599.2	1596.8	1595.1	1593.2	1592.7	1591.4
13°	1595.4	1597.5	1598.6	1598.0	1595.6	1595.3	1592.2	1590.8	1589.0	1587.3	1586.7
13.5°	1591.1	1593.7	1594.8	1594.3	1591.8	1590.9	1586.9	1585.7	1584.1	1582.2	1580.8
14°	1587.2	1589.5	1590.5	1590.6	1587.5	1585.7	1582.8	1580.7	1579.0	1576.9	1576.2
14.5°	1583.2	1585.4	1586.3	1586.3	1582.6	1581.4	1578.5	1575.5	1572.9	1572.3	1570.2
15°	1578.6	1581.2	1581.9	1581.4	1578.6	1576.7	1573.0	1570.3	1567.9	1567.0	1565.7
15.5°	1574.4	1576.9	1577.0	1576.3	1574.2	1571.8	1567.1	1565.4	1562.2	1561.4	1559.4
16°	1569.3	1572.4	1572.8	1571.7	1568.8	1566.2	1562.0	1559.4	1556.9	1554.9	1553.2
16.5°	1563.7	1567.5	1568.3	1567.1	1563.6	1560.7	1556.1	1553.1	1550.7	1548.2	1547.6
17°	1558.5	1562.8	1562.8	1562.1	1558.9	1555.2	1550.6	1546.9	1544.0	1542.7	1541.9
17.5°	1554.1	1557.3	1557.7	1556.5	1553.3	1549.2	1543.6	1540.7	1537.2	1536.5	1534.7
18°	1549.3	1551.8	1552.6	1551.0	1547.3	1543.4	1538.0	1534.3	1530.8	1528.9	1528.2
18.5°	1543.3	1547.2	1547.6	1545.8	1541.7	1537.4	1531.5	1527.4	1524.5	1522.1	1521.2
19°	1537.6	1541.8	1542.2	1539.8	1535.9	1530.9	1525.5	1520.6	1517.1	1514.8	1514.5
19.5°	1531.8	1535.6	1535.8	1533.8	1529.4	1524.1	1518.2	1513.8	1509.5	1508.5	1505.9
20°	1526.1	1529.6	1529.5	1527.7	1523.2	1517.4	1510.8	1506.2	1502.4	1499.7	1499.0
20.5°	1520.2	1523.9	1523.7	1521.4	1516.8	1511.0	1503.7	1498.6	1495.1	1492.3	1491.0
21°	1514.4	1517.9	1517.6	1514.9	1509.6	1503.8	1496.9	1491.0	1487.5	1484.0	1483.4



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1494.2	1498.0	1498.3	1494.6	1489.1	1482.0	1473.9	1467.5	1462.7	1460.0	1458.2
23°	1488.3	1491.5	1491.1	1487.7	1481.9	1474.6	1466.2	1459.2	1454.0	1452.2	1450.1
23.5°	1480.8	1484.7	1484.3	1480.5	1474.6	1466.5	1458.2	1450.5	1445.2	1442.6	1441.1
24°	1473.7	1477.8	1477.5	1473.0	1466.7	1458.7	1449.2	1441.8	1436.3	1433.7	1432.5
24.5°	1466.9	1470.5	1469.9	1465.8	1458.6	1450.4	1441.8	1433.5	1427.3	1424.4	1422.8
25°	1459.7	1463.5	1462.3	1458.2	1451.1	1442.0	1433.0	1424.6	1418.1	1414.4	1413.7
25.5°	1451.8	1455.7	1454.9	1450.3	1443.7	1433.6	1423.9	1415.2	1409.0	1405.4	1403.9
26°	1444.2	1447.5	1447.1	1441.8	1435.4	1424.7	1414.6	1405.5	1398.8	1394.8	1394.6
26.5°	1436.2	1440.1	1438.4	1434.4	1426.1	1415.9	1405.2	1396.2	1389.3	1385.7	1384.3
27°	1428.3	1432.7	1430.6	1425.6	1417.5	1407.2	1396.0	1386.6	1379.5	1375.0	1374.9
27.5°	1420.4	1424.5	1423.0	1416.9	1408.8	1397.7	1387.5	1376.6	1368.6	1365.6	1364.6
28°	1411.8	1416.3	1414.9	1408.8	1400.0	1388.6	1376.6	1367.0	1358.9	1355.0	1353.7
28.5°	1403.5	1407.9	1406.4	1400.4	1391.5	1379.6	1367.1	1357.0	1347.9	1343.4	1342.9
29°	1395.8	1399.6	1397.9	1391.4	1381.8	1369.8	1357.5	1346.5	1338.6	1333.9	1332.6
29.5°	1387.2	1391.2	1388.9	1382.9	1372.6	1360.2	1347.9	1336.1	1326.6	1322.8	1322.8
30°	1378.1	1381.7	1380.1	1373.1	1363.2	1350.2	1337.0	1325.5	1316.3	1311.5	1311.9
30.5°	1369.4	1372.9	1371.1	1364.6	1353.6	1339.9	1326.8	1314.8	1304.3	1300.7	1300.0
31°	1360.6	1364.5	1361.7	1355.4	1344.4	1330.3	1315.9	1303.8	1294.4	1289.7	1288.5
31.5°	1351.4	1355.5	1352.8	1345.3	1334.7	1320.3	1305.3	1292.5	1283.0	1278.0	1276.9
32°	1341.5	1345.4	1343.1	1335.3	1324.2	1309.4	1294.7	1281.7	1271.6	1266.2	1265.8
32.5°	1332.0	1335.9	1333.6	1325.3	1313.9	1298.8	1284.0	1270.7	1261.0	1254.6	1254.4
33°	1322.8	1326.7	1323.7	1316.2	1303.8	1288.7	1273.3	1259.1	1249.1	1243.3	1243.0
33.5°	1313.0	1316.8	1314.1	1306.4	1293.8	1278.0	1262.2	1248.0	1237.0	1231.2	1230.8
34°	1302.9	1307.3	1304.1	1295.8	1283.4	1266.7	1250.4	1236.1	1225.2	1219.0	1218.9
34.5°	1292.5	1297.2	1294.1	1285.6	1273.0	1255.8	1238.9	1223.7	1212.9	1207.3	1206.6
35°	1283.0	1287.2	1284.3	1275.4	1261.9	1244.8	1227.8	1212.0	1200.4	1195.0	1194.9
35.5°	1273.0	1276.9	1274.5	1265.1	1250.9	1233.3	1216.0	1200.3	1188.4	1183.0	1182.6
36°	1262.7	1267.2	1263.3	1254.6	1240.3	1222.1	1204.4	1188.4	1176.0	1170.8	1170.2
36.5°	1252.0	1256.1	1252.9	1243.3	1229.7	1211.0	1192.7	1176.0	1163.8	1157.6	1158.3
37°	1241.7	1245.4	1242.3	1232.8	1218.3	1199.8	1181.1	1164.3	1150.8	1145.3	1145.7
37.5°	1231.6	1234.7	1231.5	1222.1	1207.0	1188.1	1168.8	1151.8	1138.8	1132.8	1132.9
38°	1221.5	1224.0	1221.2	1210.6	1195.7	1176.2	1156.7	1139.4	1126.6	1119.9	1119.7
38.5°	1210.2	1213.2	1209.3	1199.5	1184.0	1164.4	1144.5	1126.8	1114.1	1108.0	1107.5
39°	1198.4	1202.3	1198.5	1188.2	1172.5	1152.7	1132.6	1114.4	1101.7	1094.7	1094.2
39.5°	1186.9	1191.6	1187.4	1177.1	1160.6	1140.3	1120.4	1101.9	1088.3	1082.3	1082.2
40°	1175.7	1180.1	1176.4	1165.0	1149.0	1128.0	1107.5	1089.4	1075.5	1069.2	1069.3
40.5°	1165.1	1168.6	1165.2	1153.9	1137.1	1116.1	1095.1	1076.5	1062.4	1056.2	1055.8
41°	1153.8	1157.2	1153.6	1142.1	1125.2	1103.7	1082.7	1064.0	1049.7	1043.5	1042.7
41.5°	1142.0	1145.5	1141.6	1130.7	1113.3	1091.6	1069.8	1050.8	1036.1	1030.1	1030.0
42°	1130.8	1134.6	1130.3	1118.3	1101.6	1079.6	1057.9	1038.3	1023.9	1017.8	1016.8
42.5°	1119.5	1122.9	1118.4	1107.1	1088.7	1066.9	1045.2	1025.6	1011.0	1004.4	1003.8
43°	1107.6	1111.0	1106.7	1094.3	1076.5	1054.3	1032.4	1012.5	997.9	991.6	991.0
43.5°	1095.2	1099.3	1094.6	1082.9	1064.9	1042.0	1019.4	999.6	984.8	978.2	978.2



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	1059.3	1063.0	1058.3	1045.8	1027.8	1004.1	981.2	960.7	945.7	938.9	938.7
45.5°	1047.5	1050.9	1046.0	1033.3	1014.7	991.3	968.4	947.7	933.1	925.6	925.7
46°	1034.9	1038.7	1033.9	1021.1	1002.1	978.5	955.1	934.8	920.5	912.1	913.0
46.5°	1022.0	1025.9	1021.3	1008.5	989.5	965.6	942.0	921.9	906.7	900.0	900.1
47°	1009.5	1013.9	1009.6	996.0	977.1	952.8	929.2	908.7	893.5	887.0	886.7
47.5°	997.5	1001.2	996.8	984.1	964.7	940.1	916.7	895.3	880.7	874.0	873.6
48°	985.4	988.9	984.1	971.7	952.3	927.2	903.8	882.7	868.1	860.6	861.2
48.5°	972.5	975.8	971.1	958.7	939.3	914.5	891.2	869.9	854.7	848.1	848.3
49°	960.4	964.2	958.4	945.3	926.4	901.8	878.0	857.2	842.2	835.0	835.0
49.5°	947.5	951.0	946.7	933.2	913.3	888.8	865.4	844.3	829.1	822.2	822.6
50°	934.8	938.7	933.6	920.7	900.4	875.8	852.8	831.4	817.0	809.2	809.5
50.5°	921.7	925.7	920.8	908.1	887.9	863.2	839.7	818.5	803.5	796.7	796.5
51°	909.0	912.9	907.6	894.5	875.2	850.3	827.0	806.2	791.7	783.9	783.5
51.5°	896.0	900.0	894.9	882.1	862.4	837.5	813.8	793.3	778.4	772.2	771.5
52°	883.5	887.4	882.4	869.1	849.3	825.1	801.5	781.0	766.2	758.8	759.0
52.5°	870.2	874.0	868.7	856.1	836.3	811.8	788.7	768.4	754.0	746.8	746.7
53°	857.2	861.2	856.2	843.0	823.4	799.0	775.9	755.8	741.7	734.0	733.7
53.5°	844.2	847.9	842.9	830.2	810.4	786.3	763.4	743.5	728.3	722.2	721.4
54°	831.2	834.7	830.1	817.5	797.7	773.5	750.9	730.8	716.5	709.4	709.6
54.5°	818.0	821.9	816.8	804.4	785.3	760.6	737.9	718.3	704.0	697.2	697.2
55°	804.5	808.9	804.1	791.4	771.9	747.7	725.3	705.9	692.1	686.0	684.6
55.5°	791.8	795.6	790.7	778.7	759.5	735.5	712.9	693.3	679.6	673.4	672.3
56°	778.3	782.2	777.9	765.5	746.6	723.2	701.0	681.1	667.8	661.1	660.7
56.5°	765.2	769.3	764.8	752.6	733.9	710.4	688.2	669.2	655.9	649.3	648.8
57°	752.5	755.9	751.4	739.4	720.7	697.7	675.8	657.1	643.5	637.6	636.9
57.5°	738.8	743.2	737.8	726.7	708.4	685.5	663.6	644.8	632.0	625.6	624.9
58°	725.3	729.4	725.5	713.1	694.7	673.0	651.6	633.2	620.2	613.4	613.6
58.5°	712.4	716.3	711.9	700.6	682.4	660.2	639.1	621.0	608.5	602.1	601.7
59°	698.9	703.5	698.8	687.6	669.8	647.9	627.0	609.0	597.2	591.1	590.0
59.5°	685.7	689.6	685.6	674.7	657.1	635.5	615.1	597.8	585.7	580.0	578.0
60°	672.1	676.4	672.7	661.6	644.2	623.1	602.9	586.3	574.3	568.4	566.6
60.5°	658.9	662.7	659.3	648.7	632.3	611.0	591.6	575.1	562.7	556.8	555.2
61°	645.6	649.2	646.1	636.0	619.7	599.0	576.7	563.3	551.1	545.2	543.9
61.5°	632.3	636.6	632.6	622.3	606.6	586.6	564.6	551.4	539.6	533.5	532.5
62°	618.9	623.3	620.1	609.9	593.6	574.0	553.6	539.8	528.0	521.9	521.1
62.5°	605.6	609.6	607.0	597.3	581.5	562.0	542.5	528.1	516.4	510.6	509.7
63°	592.2	596.5	593.6	584.4	569.0	550.0	531.5	516.5	505.5	499.8	498.9
63.5°	579.0	582.9	580.4	571.0	556.4	537.9	520.5	505.3	494.6	489.1	488.2
64°	565.5	569.4	566.8	559.5	543.7	525.9	508.7	494.4	483.9	478.4	477.3
64.5°	551.8	555.9	553.6	555.3	531.5	513.9	497.6	483.3	473.0	467.4	466.3
65°	538.2	542.4	540.5	539.9	520.0	501.8	486.3	472.3	462.2	457.1	455.8
65.5°	524.6	528.9	527.3	524.5	507.5	490.0	474.8	461.4	451.6	446.2	445.0
66°	510.9	515.4	514.1	509.2	494.9	478.4	463.6	450.5	441.2	435.8	434.8





TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	471.1	475.4	474.9	468.9	458.3	444.1	430.5	419.0	410.0	404.9	403.5
68°	458.1	462.3	461.8	456.5	446.2	432.7	419.5	408.4	400.0	394.9	393.5
68.5°	444.7	449.1	449.2	443.5	434.2	421.2	408.9	397.9	389.9	385.1	382.9
69°	431.4	436.0	436.3	431.8	422.4	409.7	398.2	387.6	379.3	374.9	373.3
69.5°	418.2	423.3	423.4	419.4	410.9	398.6	387.5	377.2	369.3	364.7	363.2
70°	404.9	410.0	410.7	407.2	399.0	387.6	376.9	366.9	359.5	354.8	353.2
70.5°	391.7	396.8	397.9	394.6	387.7	376.8	366.5	357.0	349.9	345.3	343.3
71°	378.8	383.5	385.3	382.7	375.8	365.7	356.0	347.0	340.2	335.7	333.9
71.5°	365.7	370.8	372.3	370.3	364.4	354.8	345.7	337.2	330.2	326.1	324.4
72°	352.8	357.8	359.9	358.0	352.8	344.0	335.2	327.2	320.6	316.3	314.6
72.5°	339.9	344.8	347.5	346.1	341.2	333.0	325.2	317.2	311.1	307.3	305.1
73°	326.7	332.0	335.3	334.5	330.2	322.3	314.9	307.6	301.7	297.8	295.6
73.5°	313.5	319.3	322.6	322.6	318.9	312.3	304.9	298.0	292.3	288.5	286.4
74°	301.0	306.3	310.3	311.0	307.7	301.6	295.1	288.4	283.2	279.3	277.2
74.5°	288.3	294.0	298.0	299.0	296.7	291.0	285.3	279.1	274.0	270.4	268.5
75°	275.6	281.4	285.9	287.4	285.8	280.7	275.5	269.9	265.0	261.4	259.2
75.5°	262.7	269.1	273.7	275.8	275.0	270.5	265.8	260.5	255.8	252.6	250.4
76°	250.3	256.4	261.7	264.7	263.8	260.3	256.3	251.4	247.1	243.9	241.4
76.5°	238.0	244.4	249.8	253.1	253.4	250.4	246.6	242.3	238.4	235.3	232.8
77°	225.8	231.9	238.1	241.9	242.9	240.6	237.4	233.2	229.6	226.4	224.0
77.5°	213.3	220.0	226.5	230.8	232.4	230.9	228.1	224.6	220.9	218.2	215.6
78°	201.6	208.1	214.8	220.0	222.1	221.3	219.1	215.8	212.8	209.9	207.4
78.5°	189.4	196.5	203.3	209.1	211.9	211.7	209.9	207.3	204.6	201.6	199.2
79°	177.6	184.8	192.3	198.5	201.8	202.2	201.2	198.8	196.2	193.5	191.0
79.5°	166.0	173.0	181.1	187.9	192.0	192.9	192.6	190.5	188.2	185.8	183.1
80°	155.0	161.8	170.0	177.6	182.3	183.9	183.8	182.3	180.3	178.0	175.3
80.5°	143.7	150.8	159.5	167.4	172.7	174.9	175.3	174.3	172.6	170.2	167.7
81°	132.7	140.0	149.0	157.3	163.3	166.2	167.3	166.4	165.0	162.7	160.2
81.5°	121.9	129.2	138.7	147.4	154.1	157.4	159.2	158.9	157.7	155.6	152.9
82°	111.4	118.7	128.4	137.9	145.0	149.1	151.2	151.4	150.4	148.3	145.7
82.5°	100.6	108.5	118.8	128.5	136.1	141.0	143.4	143.9	143.1	141.1	138.5
83°	91.1	98.7	109.0	119.4	127.5	132.9	135.9	136.6	136.1	134.5	131.7
83.5°	81.5	89.1	99.7	110.6	119.3	124.9	128.5	129.7	129.6	127.7	125.1
84°	72.4	80.0	90.6	101.9	111.1	117.4	121.4	122.9	122.7	121.2	118.6
84.5°	63.3	71.0	82.1	93.5	103.2	110.0	114.2	116.3	116.3	114.9	112.3
85°	55.1	62.5	73.7	85.5	95.7	102.9	107.5	109.7	110.1	108.7	106.1
85.5°	47.9	54.8	65.8	77.9	88.4	96.0	100.9	103.5	103.9	102.6	100.2
86°	40.7	47.9	58.2	70.6	81.5	89.5	94.7	97.4	98.0	96.8	94.3
86.5°	33.6	40.9	52.0	63.6	74.8	83.1	88.5	91.6	92.3	91.3	88.8
87°	26.4	34.0	45.9	56.6	68.4	76.9	82.7	86.0	86.8	86.1	83.4
87.5°	20.3	27.0	39.8	51.3	62.2	71.1	77.1	80.5	81.5	80.7	78.3
88°	14.7	21.3	33.7	45.9	56.3	65.5	71.7	75.2	76.5	75.7	73.2
88.5°	9.9	16.3	27.6	40.6	51.7	60.1	66.4	70.2	71.5	70.8	68.5



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	3.1	5.8	15.2	26.7	37.7	46.8	53.5	56.7	58.2	57.5	55.9
90.5°	1.7	4.7	12.3	23.0	33.6	42.7	49.6	53.1	54.7	54.1	52.3
91°	0.3	3.6	9.9	19.7	30.0	38.7	45.6	49.5	51.2	50.7	48.8
91.5°	0.3	2.6	8.0	17.1	26.6	35.0	41.6	45.9	47.6	47.3	45.2
92°	0.2	1.6	6.5	14.6	23.7	31.8	38.0	42.2	44.1	43.9	41.7
92.5°	0.2	1.2	5.8	12.6	21.1	28.8	34.8	38.8	40.6	40.4	38.6
93°	0.2	1.0	5.1	10.9	18.7	26.1	32.0	35.8	37.7	37.6	35.7
93.5°	0.2	0.8	4.4	9.6	16.7	23.6	29.3	33.1	34.9	34.8	33.1
94°	0.2	0.7	3.7	8.5	14.9	21.4	26.9	30.5	32.3	32.3	30.7
94.5°	0.3	0.6	3.4	7.6	13.4	19.4	24.6	28.1	29.9	29.9	28.4
95°	0.4	0.5	3.0	6.9	12.1	17.7	22.5	26.0	27.7	27.8	26.3
95.5°	0.4	0.5	2.7	6.5	11.0	16.2	20.7	24.0	25.7	25.8	24.5
96°	0.5	0.6	2.5	6.0	10.2	14.9	19.1	22.2	23.8	23.9	22.7
96.5°	0.5	0.6	2.2	5.6	9.5	13.7	17.7	20.6	22.2	22.3	21.2
97°	0.6	0.7	2.0	5.2	8.9	12.8	16.4	19.2	20.7	20.9	19.8
97.5°	0.7	0.7	1.8	4.8	8.5	12.0	15.3	17.9	19.4	19.5	18.6
98°	0.7	0.7	1.7	4.5	8.0	11.3	14.4	16.8	18.2	18.4	17.5
98.5°	0.8	0.8	1.5	4.2	7.6	10.8	13.6	15.9	17.1	17.3	16.5
99°	0.8	0.8	1.4	3.9	7.1	10.3	12.9	15.0	16.2	16.4	15.7
99.5°	0.9	0.9	1.3	3.7	6.7	9.9	12.4	14.3	15.5	15.7	15.0
100°	1.0	1.0	1.2	3.4	6.4	9.4	11.9	13.8	14.8	15.0	14.4
100.5°	1.1	1.0	1.2	3.2	6.1	8.9	11.4	13.2	14.2	14.5	13.9
101°	1.3	1.1	1.2	3.0	5.7	8.5	10.9	12.7	13.7	13.9	13.4
101.5°	1.3	1.2	1.2	2.7	5.4	8.1	10.4	12.2	13.2	13.5	12.9
102°	1.4	1.2	1.2	2.5	5.1	7.7	10.0	11.8	12.8	13.0	12.5
102.5°	1.5	1.3	1.2	2.4	4.8	7.3	9.6	11.3	12.3	12.5	12.0
103°	1.6	1.3	1.2	2.2	4.5	7.0	9.1	10.8	11.8	12.0	11.6
103.5°	1.7	1.4	1.2	2.0	4.2	6.6	8.7	10.4	11.4	11.6	11.1
104°	1.7	1.4	1.1	1.9	3.9	6.3	8.4	10.0	10.9	11.2	10.7
104.5°	1.7	1.5	1.1	1.8	3.7	6.0	8.0	9.6	10.5	10.7	10.3
105°	1.7	1.7	1.1	1.7	3.4	5.7	7.6	9.2	10.1	10.3	9.9
105.5°	1.7	1.9	1.1	1.6	3.2	5.4	7.3	8.8	9.7	10.0	9.5
106°	1.7	1.9	1.1	1.6	3.0	5.1	6.9	8.4	9.4	9.6	9.2
106.5°	1.7	1.7	1.2	1.5	2.9	4.8	6.6	8.1	9.0	9.3	8.8
107°	1.7	1.7	1.2	1.5	2.7	4.5	6.3	7.7	8.7	8.9	8.5
107.5°	1.7	1.7	1.2	1.4	2.5	4.3	6.0	7.4	8.3	8.6	8.2
108°	1.7	1.7	1.2	1.4	2.4	4.0	5.7	7.1	8.0	8.2	7.9
108.5°	1.7	1.7	1.3	1.4	2.2	3.8	5.4	6.7	7.7	7.9	7.6
109°	1.7	1.8	1.3	1.3	2.1	3.6	5.1	6.5	7.4	7.6	7.3
109.5°	1.8	1.8	1.3	1.3	2.0	3.4	4.9	6.2	7.1	7.3	7.0
110°	1.8	1.8	1.3	1.3	1.9	3.2	4.6	5.9	6.8	7.0	6.7
110.5°	1.8	1.8	1.4	1.3	1.9	3.1	4.4	5.6	6.5	6.7	6.5
111°	1.8	1.8	1.4	1.3	1.8	2.9	4.2	5.4	6.2	6.4	6.2



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**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	4.6	5.4	5.6	5.4
113°	1.8	1.8	1.6	1.4	1.7	2.3	3.4	4.4	5.2	5.4	5.2
113.5°	1.9	1.8	1.7	1.4	1.7	2.2	3.2	4.2	4.9	5.1	5.0
114°	1.9	1.8	1.7	1.5	1.6	2.2	3.0	4.0	4.7	4.9	4.7
114.5°	1.9	1.8	1.7	1.5	1.5	2.1	2.9	3.8	4.5	4.7	4.6
115°	1.9	1.8	1.8	1.5	1.5	2.1	2.7	3.6	4.3	4.5	4.4
115.5°	1.9	1.9	1.8	1.6	1.5	2.0	2.6	3.4	4.1	4.3	4.2
116°	1.9	1.9	1.9	1.6	1.5	2.0	2.6	3.3	3.9	4.1	4.0
116.5°	1.9	2.0	2.0	1.6	1.5	2.0	2.5	3.1	3.7	3.9	3.9
117°	1.9	2.0	2.1	1.6	1.6	1.9	2.4	3.0	3.5	3.8	3.7
117.5°	1.9	2.0	2.2	1.7	1.6	1.9	2.3	2.9	3.4	3.6	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	1.7	2.2	2.7	3.2	3.4	3.3
119°	2.0	2.1	2.3	1.8	1.6	1.7	2.2	2.6	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°	2.0	2.2	2.2	1.8	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	3.0	3.0
121°	2.1	2.2	2.2	1.9	1.8	1.7	1.9	2.4	2.7	2.9	3.0
121.5°	2.1	2.2	2.2	2.0	1.8	1.8	1.9	2.3	2.6	2.9	2.9
122°	2.1	2.2	2.3	2.0	1.8	1.8	1.8	2.3	2.6	2.8	2.8
122.5°	2.1	2.3	2.3	2.0	1.9	1.8	1.8	2.2	2.5	2.7	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	2.1	2.0	1.9	1.8	2.0	2.4	2.7	2.7
124°	2.2	2.3	2.4	2.2	2.0	1.9	1.8	2.0	2.4	2.6	2.6
124.5°	2.2	2.4	2.4	2.2	2.0	2.0	1.9	2.0	2.3	2.5	2.5
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°	2.2	2.4	2.5	2.4	2.1	2.0	1.9	2.0	2.2	2.4	2.5
126°	2.3	2.4	2.5	2.5	2.1	2.0	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	2.0	2.2	2.4	2.5
127°	2.3	2.4	2.5	2.6	2.2	2.1	2.0	2.1	2.3	2.4	2.5
127.5°	2.3	2.4	2.5	2.7	2.2	2.1	2.1	2.1	2.3	2.4	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	2.4	2.8	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	2.2	2.2	2.3	2.4	2.6	2.7
129.5°	2.4	2.4	2.4	2.9	2.4	2.3	2.3	2.3	2.5	2.6	2.7
130°	2.4	2.4	2.4	2.8	2.5	2.3	2.3	2.4	2.5	2.6	2.7
130.5°	2.4	2.4	2.4	2.8	2.5	2.4	2.4	2.4	2.6	2.7	2.8
131°	2.5	2.5	2.4	2.9	2.6	2.4	2.4	2.5	2.6	2.7	2.8
131.5°	2.5	2.5	2.4	2.9	2.6	2.5	2.5	2.5	2.6	2.8	2.9
132°	2.5	2.5	2.5	2.9	2.7	2.5	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	2.6	2.7	2.8	3.0
133°	2.5	2.5	2.5	3.0	2.9	2.7	2.6	2.7	2.8	2.9	3.0
133.5°	2.5	2.6	2.5	3.1	3.0	2.7	2.7	2.7	2.8	2.9	3.0



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.6	2.6	2.6	3.1	3.3	2.9	2.9	2.9	3.0	3.0	3.2
135.5°	2.6	2.6	2.7	3.1	3.3	3.0	2.9	3.0	3.0	3.1	3.2
136°	2.5	2.6	2.7	3.1	3.4	3.0	3.0	3.0	3.0	3.1	3.3
136.5°	2.5	2.6	2.7	3.1	3.3	3.1	3.1	3.1	3.1	3.2	3.3
137°	2.5	2.6	2.7	3.1	3.4	3.2	3.1	3.1	3.1	3.2	3.4
137.5°	2.5	2.7	2.8	3.0	3.4	3.3	3.2	3.2	3.2	3.3	3.4
138°	2.6	2.8	2.8	3.0	3.4	3.4	3.2	3.2	3.2	3.3	3.5
138.5°	2.6	2.8	2.8	3.0	3.4	3.5	3.3	3.3	3.3	3.4	3.5
139°	2.6	2.8	2.8	2.9	3.4	3.7	3.3	3.3	3.3	3.4	3.6
139.5°	2.6	2.9	2.9	2.9	3.5	3.7	3.4	3.4	3.4	3.5	3.6
140°	2.6	2.9	2.9	2.9	3.5	3.8	3.4	3.4	3.4	3.5	3.7
140.5°	2.6	2.9	2.9	2.9	3.5	3.8	3.5	3.4	3.5	3.6	3.8
141°	2.6	2.9	2.9	2.9	3.6	3.8	3.6	3.5	3.5	3.6	3.8
141.5°	2.6	2.9	2.9	2.9	3.6	3.8	3.7	3.5	3.6	3.7	3.9
142°	2.6	3.0	2.9	2.9	3.5	3.9	3.8	3.6	3.6	3.7	3.9
142.5°	2.6	3.0	3.0	2.9	3.5	3.9	3.9	3.6	3.7	3.8	4.0
143°	2.6	3.0	3.0	2.9	3.5	3.9	4.0	3.7	3.7	3.9	4.1
143.5°	2.6	3.0	3.0	2.8	3.4	3.8	4.1	3.8	3.8	3.9	4.2
144°	2.6	3.0	3.0	2.8	3.4	3.8	4.1	3.9	3.9	4.0	4.3
144.5°	2.6	3.0	3.0	2.8	3.4	3.8	4.1	4.0	3.9	4.1	4.3
145°	2.6	3.0	3.0	2.8	3.3	3.8	4.1	4.2	4.0	4.1	4.4
145.5°	2.6	3.0	3.0	2.8	3.3	3.8	4.1	4.3	4.1	4.2	4.5
146°	2.6	3.0	3.1	2.8	3.3	3.8	4.1	4.3	4.3	4.3	4.6
146.5°	2.6	3.0	3.1	2.8	3.2	3.8	4.0	4.3	4.4	4.4	4.7
147°	2.6	3.0	3.1	2.8	3.2	3.8	4.0	4.3	4.5	4.6	4.9
147.5°	2.6	3.0	3.1	2.8	3.1	3.8	4.0	4.3	4.5	4.7	4.9
148°	2.6	3.0	3.1	2.8	3.1	3.8	4.0	4.3	4.5	4.7	4.9
148.5°	2.6	3.0	3.1	2.8	3.1	3.7	4.0	4.3	4.5	4.7	4.8
149°	2.5	3.0	3.1	2.8	3.0	3.7	4.0	4.3	4.5	4.7	4.8
149.5°	2.5	3.0	3.1	2.8	3.0	3.6	4.0	4.2	4.5	4.7	4.8
150°	2.5	3.0	3.1	2.9	3.0	3.6	4.0	4.2	4.5	4.7	4.8
150.5°	2.5	3.0	3.1	2.9	3.0	3.5	4.0	4.2	4.4	4.6	4.7
151°	2.4	3.0	3.1	2.9	3.0	3.5	3.9	4.2	4.4	4.5	4.7
151.5°	2.3	2.9	3.1	2.9	2.9	3.4	3.9	4.2	4.4	4.5	4.7
152°	2.3	2.9	3.1	2.9	2.9	3.3	3.8	4.2	4.4	4.5	4.7
152.5°	2.3	2.9	3.1	2.9	2.9	3.3	3.8	4.2	4.4	4.5	4.7
153°	2.3	2.8	3.1	3.0	2.9	3.2	3.7	4.1	4.3	4.5	4.6
153.5°	2.1	2.8	3.1	3.0	2.9	3.2	3.6	4.0	4.3	4.4	4.5
154°	2.0	2.7	3.1	3.0	2.9	3.2	3.6	4.0	4.2	4.4	4.4
154.5°	1.9	2.7	3.1	3.0	3.0	3.1	3.5	3.9	4.1	4.3	4.3
155°	1.9	2.7	3.1	3.0	3.0	3.1	3.4	3.8	4.0	4.2	4.2
155.5°	1.9	2.7	3.1	3.0	3.0	3.1	3.4	3.7	4.0	4.1	4.2
156°	1.8	2.7	3.1	3.1	3.0	3.1	3.3	3.7	3.9	4.0	4.1



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5
0.5°	1643.8	1643.8	1643.7	1643.5	1643.3	1643.1	1643.0	1642.9	1642.8	1642.8	1642.9
1°	1643.8	1644.0	1644.2	1644.4	1644.2	1643.9	1643.4	1643.0	1642.7	1642.5	1642.4
1.5°	1644.3	1644.1	1643.7	1642.9	1642.4	1642.4	1642.4	1642.2	1641.8	1641.6	1641.5
2°	1644.2	1643.0	1641.6	1641.6	1641.6	1641.0	1640.8	1640.8	1640.5	1640.4	1640.3
2.5°	1642.9	1642.7	1642.9	1641.9	1641.8	1641.4	1640.5	1640.3	1639.9	1639.7	1639.3
3°	1642.3	1641.9	1641.6	1640.8	1640.8	1640.5	1640.2	1639.6	1638.3	1637.2	1637.5
3.5°	1641.0	1640.6	1640.5	1640.6	1639.9	1638.6	1638.4	1638.7	1636.7	1636.0	1635.7
4°	1640.6	1639.9	1639.2	1639.2	1639.0	1638.2	1637.0	1637.3	1636.3	1634.9	1633.8
4.5°	1637.6	1638.5	1637.0	1637.9	1638.0	1636.8	1635.5	1634.8	1634.2	1633.1	1632.3
5°	1637.0	1636.9	1636.6	1635.8	1636.2	1635.5	1634.4	1633.4	1632.8	1631.7	1629.7
5.5°	1636.0	1635.3	1635.0	1634.1	1634.4	1633.3	1633.0	1631.9	1631.3	1630.0	1627.7
6°	1634.1	1633.4	1632.6	1632.3	1632.1	1631.5	1631.1	1629.8	1628.9	1628.0	1625.1
6.5°	1631.8	1631.2	1630.8	1630.2	1629.7	1630.3	1629.3	1627.8	1626.0	1625.8	1622.9
7°	1629.8	1628.7	1629.2	1628.2	1627.9	1628.0	1627.2	1625.2	1623.4	1622.7	1620.7
7.5°	1627.0	1626.3	1626.5	1626.5	1625.2	1625.3	1624.4	1623.4	1620.7	1620.3	1618.5
8°	1624.5	1624.1	1623.7	1623.8	1623.3	1623.3	1621.2	1620.1	1618.3	1617.6	1615.0
8.5°	1621.1	1621.2	1620.7	1620.5	1620.9	1619.9	1619.7	1617.5	1616.4	1614.4	1612.1
9°	1617.9	1618.2	1617.8	1617.8	1618.3	1616.9	1616.4	1615.3	1612.7	1611.2	1609.0
9.5°	1615.2	1615.3	1614.4	1614.6	1614.7	1614.5	1612.9	1611.6	1609.0	1607.7	1605.0
10°	1611.6	1611.7	1611.0	1611.9	1611.5	1610.1	1610.2	1608.5	1606.0	1604.3	1601.5
10.5°	1607.9	1608.4	1606.9	1608.6	1608.0	1607.2	1607.2	1605.5	1603.1	1600.2	1598.0
11°	1603.5	1604.9	1604.2	1605.4	1604.8	1604.3	1603.8	1602.0	1599.2	1596.2	1593.7
11.5°	1599.3	1600.8	1599.9	1601.1	1601.0	1601.1	1599.8	1597.8	1594.8	1592.7	1589.4
12°	1595.3	1596.2	1595.9	1596.6	1597.6	1596.7	1596.0	1594.0	1591.5	1589.1	1585.2
12.5°	1591.0	1592.1	1592.0	1592.3	1593.6	1592.7	1591.9	1590.2	1587.8	1584.1	1581.4
13°	1586.5	1587.6	1587.0	1587.6	1588.8	1588.4	1588.2	1586.3	1584.0	1579.7	1577.0
13.5°	1581.3	1582.0	1582.0	1583.5	1584.3	1583.9	1583.8	1581.9	1578.8	1575.0	1571.4
14°	1575.9	1577.1	1577.9	1579.1	1579.9	1579.7	1579.3	1578.0	1574.1	1570.4	1566.4
14.5°	1570.5	1571.8	1572.9	1574.0	1575.4	1575.3	1574.8	1573.1	1570.1	1565.2	1561.2
15°	1564.9	1567.1	1567.5	1569.1	1571.1	1570.2	1570.2	1567.8	1565.4	1559.6	1556.0
15.5°	1559.2	1562.0	1562.7	1564.2	1566.2	1565.0	1565.6	1562.9	1559.9	1554.7	1550.7
16°	1553.0	1555.8	1557.0	1558.6	1560.5	1560.3	1560.3	1558.3	1554.6	1550.2	1545.5
16.5°	1547.2	1550.1	1551.2	1553.0	1554.8	1555.2	1554.7	1553.5	1549.8	1544.8	1539.5
17°	1540.9	1543.6	1545.1	1547.1	1549.6	1549.6	1549.4	1548.1	1544.2	1538.8	1533.0
17.5°	1534.4	1537.7	1539.3	1541.2	1544.4	1544.4	1545.0	1542.4	1538.4	1533.2	1527.2
18°	1528.1	1530.6	1533.3	1536.1	1538.3	1538.4	1538.8	1536.3	1532.3	1527.2	1520.7
18.5°	1521.0	1523.4	1527.2	1529.6	1532.4	1532.2	1532.2	1530.8	1526.5	1520.5	1513.9
19°	1513.6	1516.4	1520.2	1522.6	1526.2	1526.6	1526.6	1524.9	1521.0	1514.1	1507.7
19.5°	1506.3	1509.5	1513.2	1516.6	1519.6	1520.1	1520.5	1518.6	1514.5	1507.8	1500.7
20°	1499.7	1503.1	1506.6	1510.0	1513.0	1514.2	1514.1	1512.5	1508.2	1501.3	1493.9
20.5°	1492.1	1495.4	1499.7	1502.6	1506.7	1507.4	1507.5	1506.3	1501.8	1494.7	1486.8
21°	1484.1	1488.6	1491.9	1495.6	1499.5	1501.2	1501.2	1499.4	1495.0	1487.4	1479.8



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1459.7	1463.7	1468.9	1474.2	1478.3	1480.6	1480.5	1478.2	1473.9	1465.5	1457.7
23°	1451.2	1455.7	1461.3	1466.4	1470.8	1473.0	1473.2	1470.8	1466.7	1458.6	1449.3
23.5°	1442.6	1447.3	1453.0	1458.0	1463.7	1466.1	1466.2	1464.0	1459.1	1451.4	1441.5
24°	1433.4	1439.2	1444.4	1450.3	1455.6	1458.2	1458.6	1456.7	1451.8	1443.5	1433.6
24.5°	1424.5	1430.1	1436.2	1441.9	1447.5	1450.6	1451.5	1449.2	1444.0	1435.4	1425.3
25°	1415.8	1421.1	1427.8	1433.7	1439.4	1443.0	1444.0	1441.5	1436.1	1427.1	1416.7
25.5°	1406.4	1412.4	1418.8	1425.0	1431.1	1434.8	1435.8	1433.4	1428.1	1419.0	1408.6
26°	1396.9	1403.2	1410.0	1416.1	1422.9	1426.5	1427.3	1425.9	1420.2	1410.6	1399.8
26.5°	1387.4	1393.4	1400.6	1407.4	1414.9	1418.7	1419.3	1417.5	1411.6	1402.4	1391.0
27°	1377.3	1384.2	1391.4	1398.7	1405.6	1410.0	1411.0	1408.7	1403.4	1393.7	1382.1
27.5°	1367.6	1374.1	1382.1	1389.5	1397.4	1401.2	1402.3	1400.4	1394.9	1385.0	1372.9
28°	1357.2	1364.7	1372.0	1380.7	1388.1	1392.1	1393.5	1391.9	1386.1	1376.2	1363.5
28.5°	1347.0	1354.3	1362.8	1371.3	1378.7	1383.6	1385.0	1383.5	1377.3	1367.0	1354.8
29°	1336.6	1344.2	1353.2	1361.1	1370.0	1375.2	1376.4	1374.3	1368.4	1358.0	1345.1
29.5°	1325.6	1333.3	1342.9	1351.5	1360.5	1365.3	1367.8	1365.4	1358.9	1348.7	1335.2
30°	1315.4	1323.4	1332.9	1342.1	1350.9	1357.0	1357.8	1356.2	1349.5	1339.2	1325.7
30.5°	1304.5	1312.0	1322.6	1332.6	1341.2	1347.2	1348.3	1346.5	1341.1	1329.6	1315.7
31°	1292.7	1302.0	1312.5	1322.0	1331.7	1337.1	1339.5	1337.9	1331.3	1319.6	1305.9
31.5°	1281.4	1291.2	1301.8	1311.5	1322.2	1327.9	1329.8	1327.9	1321.2	1310.4	1295.9
32°	1270.4	1279.8	1290.9	1301.8	1311.6	1317.9	1319.7	1318.4	1312.1	1300.3	1285.6
32.5°	1258.9	1269.2	1280.5	1291.2	1301.2	1308.2	1310.2	1308.9	1301.8	1290.4	1275.5
33°	1247.5	1257.5	1269.7	1280.7	1291.8	1297.8	1300.6	1298.6	1292.2	1280.3	1264.6
33.5°	1235.7	1246.2	1258.4	1270.3	1281.0	1287.9	1290.0	1288.9	1282.0	1269.8	1254.1
34°	1224.1	1234.7	1247.3	1259.4	1269.9	1277.6	1280.0	1279.3	1271.9	1259.5	1243.6
34.5°	1212.7	1223.1	1236.0	1248.3	1259.6	1267.6	1270.0	1268.7	1261.1	1249.4	1234.1
35°	1200.5	1211.0	1224.6	1236.9	1249.2	1256.7	1259.8	1258.2	1251.1	1238.8	1223.7
35.5°	1187.8	1199.7	1213.0	1225.9	1238.3	1245.5	1249.1	1247.7	1240.7	1228.8	1212.1
36°	1175.5	1187.6	1201.5	1215.1	1226.8	1235.4	1238.5	1237.7	1230.4	1217.5	1200.6
36.5°	1163.4	1175.2	1189.9	1203.9	1216.0	1224.8	1228.0	1227.2	1219.2	1206.2	1189.1
37°	1151.0	1163.5	1178.0	1191.6	1205.4	1214.1	1217.0	1216.0	1208.1	1195.0	1177.5
37.5°	1138.9	1151.0	1166.2	1180.6	1193.8	1202.9	1206.0	1204.9	1197.0	1183.8	1166.1
38°	1126.2	1139.1	1154.6	1169.3	1182.8	1191.5	1194.9	1193.7	1186.0	1172.6	1154.7
38.5°	1114.1	1126.3	1142.7	1157.2	1170.4	1180.0	1183.9	1182.6	1174.8	1161.3	1142.9
39°	1101.3	1114.4	1130.3	1145.3	1159.2	1168.5	1172.5	1171.3	1163.4	1149.9	1131.5
39.5°	1089.0	1101.8	1118.0	1133.4	1147.6	1157.1	1160.8	1159.6	1151.8	1138.6	1119.5
40°	1075.9	1089.0	1105.6	1121.5	1135.8	1145.8	1149.6	1148.2	1140.5	1126.8	1107.8
40.5°	1062.7	1076.5	1092.8	1109.9	1123.6	1134.2	1137.9	1136.3	1128.9	1115.3	1096.1
41°	1049.7	1063.5	1080.7	1097.2	1112.1	1121.9	1126.0	1124.9	1117.2	1103.8	1084.3
41.5°	1037.4	1051.0	1068.3	1084.8	1099.7	1110.2	1114.5	1113.2	1105.8	1091.4	1071.7
42°	1024.7	1038.9	1055.8	1072.6	1087.7	1098.0	1102.1	1101.9	1093.5	1079.0	1059.6
42.5°	1011.9	1025.9	1043.4	1060.3	1075.3	1086.0	1090.4	1089.6	1081.9	1067.4	1047.1
43°	999.0	1012.3	1030.5	1047.9	1063.3	1074.8	1078.3	1077.6	1069.6	1055.5	1036.0
43.5°	985.5	1000.1	1018.0	1035.5	1051.3	1062.0	1066.3	1065.5	1057.3	1043.2	1023.4





TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	947.1	961.4	979.8	997.6	1014.4	1025.2	1029.3	1028.8	1020.9	1005.9	985.9
45.5°	933.6	948.1	967.0	985.1	1001.1	1012.1	1017.3	1016.5	1008.0	993.4	973.3
46°	920.5	935.0	954.1	972.2	988.4	1000.2	1004.4	1003.9	995.3	981.2	960.8
46.5°	907.4	922.5	940.6	959.3	975.4	987.1	991.7	991.0	982.9	968.7	948.4
47°	894.6	909.0	927.8	946.8	963.3	975.0	979.5	978.5	970.2	955.8	935.5
47.5°	881.6	896.9	914.9	933.7	950.6	962.4	966.1	965.9	957.8	943.2	922.8
48°	868.6	883.1	902.0	920.8	937.7	949.5	953.6	952.8	945.1	930.7	910.1
48.5°	855.8	870.4	889.7	908.2	924.2	936.2	940.6	940.3	932.3	917.7	896.9
49°	842.6	857.7	876.9	895.1	912.2	923.6	928.0	927.7	919.8	904.8	884.5
49.5°	830.1	844.9	863.8	882.1	898.6	911.2	915.5	914.7	906.6	891.9	871.9
50°	817.4	831.4	850.7	868.8	886.4	898.1	902.6	901.9	893.8	879.4	858.9
50.5°	804.6	818.8	837.7	856.4	873.2	885.2	889.6	888.8	881.1	866.2	845.7
51°	791.5	806.0	824.8	843.7	860.5	872.0	876.3	875.7	867.5	853.2	833.0
51.5°	779.1	793.9	811.9	830.7	847.1	859.5	863.2	862.8	854.8	840.6	820.0
52°	766.5	780.5	799.1	817.3	834.4	845.5	850.5	849.8	841.8	827.1	807.1
52.5°	754.1	767.9	786.3	804.5	821.2	832.9	837.6	837.9	828.6	813.9	794.2
53°	741.6	755.3	773.3	791.8	808.5	819.7	825.2	824.7	815.4	801.0	781.4
53.5°	729.0	743.0	760.8	778.7	795.5	806.9	813.4	810.2	802.4	788.4	768.4
54°	716.5	729.3	748.2	765.7	782.5	793.5	799.3	796.9	788.9	775.0	755.8
54.5°	704.4	717.4	735.2	753.0	768.9	780.8	784.8	783.8	775.9	762.1	742.9
55°	691.6	705.2	722.6	740.2	756.2	767.5	771.5	770.4	762.6	749.0	729.8
55.5°	679.1	692.8	710.3	727.4	742.9	754.4	757.9	756.9	749.2	735.8	716.6
56°	667.0	680.1	697.5	714.3	729.9	740.7	744.7	745.2	736.4	722.6	703.9
56.5°	655.0	667.8	684.8	701.5	716.9	727.5	732.2	731.8	723.3	709.5	691.0
57°	643.2	655.5	671.9	688.9	703.9	714.5	720.5	716.8	710.3	696.5	678.1
57.5°	631.0	643.5	659.3	676.6	690.8	701.5	706.6	703.9	696.1	683.3	665.3
58°	618.9	631.3	647.4	663.7	677.6	688.3	691.3	690.5	683.0	670.2	652.4
58.5°	607.3	618.9	634.6	650.3	664.5	674.8	678.1	677.5	669.6	657.5	639.4
59°	595.6	606.8	621.9	637.4	651.9	661.5	665.1	664.3	656.7	644.0	626.4
59.5°	583.6	595.2	609.7	624.8	639.0	649.2	652.9	650.0	643.1	630.8	614.0
60°	572.2	583.4	597.4	612.5	626.9	636.1	639.1	636.8	629.9	617.8	600.7
60.5°	560.7	571.4	585.4	599.9	614.3	622.2	624.4	623.6	616.1	604.6	588.1
61°	549.1	559.5	573.6	587.4	600.5	608.3	610.8	610.4	603.1	591.3	575.4
61.5°	537.6	547.6	561.3	575.5	587.0	595.5	598.0	596.5	589.3	578.1	562.3
62°	526.0	535.7	549.1	562.8	578.0	583.8	585.5	583.3	576.0	565.3	549.6
62.5°	514.4	523.7	536.8	550.5	564.3	579.5	568.4	569.5	562.9	552.2	536.7
63°	503.0	512.2	524.4	537.6	551.6	563.4	555.2	556.6	549.8	539.1	524.7
63.5°	492.1	500.8	512.3	524.5	537.3	547.8	542.4	542.9	536.0	526.2	512.0
64°	481.2	489.5	500.3	511.8	523.0	532.3	529.5	529.2	523.0	513.3	499.3
64.5°	470.1	477.9	488.6	499.5	509.8	516.7	516.5	515.9	509.7	500.1	486.5
65°	459.3	466.9	477.2	487.5	496.8	502.9	503.3	502.8	496.7	487.0	474.4
65.5°	448.5	455.8	465.4	475.2	484.0	489.4	490.6	489.2	483.3	474.2	461.7
66°	437.6	444.7	453.6	463.3	471.3	477.6	477.4	475.9	470.2	461.4	449.2



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	406.3	411.8	419.9	427.5	434.0	437.6	437.2	436.1	430.8	423.0	412.4
68°	395.7	401.1	408.6	415.5	421.4	425.0	423.9	423.0	417.6	410.0	399.7
68.5°	385.4	390.4	397.0	403.6	409.0	412.0	411.3	409.7	404.3	397.2	387.8
69°	375.1	379.5	386.0	391.7	396.5	399.2	398.0	396.4	391.1	384.8	375.6
69.5°	364.6	368.7	374.9	380.2	384.7	386.8	385.1	382.9	378.4	372.2	363.8
70°	354.3	358.4	363.9	368.9	372.5	373.7	371.6	370.1	365.5	359.6	351.7
70.5°	344.6	348.1	353.1	357.3	360.3	360.8	358.8	357.0	352.2	347.3	339.6
71°	334.8	337.9	342.3	345.9	348.2	348.4	345.6	344.2	339.8	334.5	327.6
71.5°	324.8	327.9	331.4	334.4	336.2	335.8	332.8	331.1	326.8	322.2	316.0
72°	314.9	317.5	320.7	323.2	324.3	323.4	320.2	318.2	314.0	309.7	304.3
72.5°	305.3	307.2	310.1	311.9	312.8	311.1	307.4	305.2	301.2	297.7	292.8
73°	295.5	297.1	299.5	300.8	301.1	298.7	294.7	292.4	288.6	285.4	280.9
73.5°	286.1	287.2	289.1	289.9	289.4	286.6	282.2	279.7	276.2	273.4	269.6
74°	276.9	277.6	279.0	279.2	277.8	274.5	269.6	267.1	263.9	261.3	258.2
74.5°	267.5	267.9	268.7	268.3	266.3	262.5	257.1	254.3	251.5	249.2	247.1
75°	258.2	258.2	258.5	257.2	254.8	250.5	244.8	242.0	239.4	237.6	236.1
75.5°	249.1	248.8	248.4	246.7	243.7	238.7	232.7	229.7	227.0	226.1	225.2
76°	240.1	239.4	238.5	236.3	232.6	227.0	220.6	217.5	215.1	214.6	214.0
76.5°	231.3	230.0	228.7	225.7	221.7	215.5	208.4	205.3	203.3	203.3	203.6
77°	222.3	220.8	219.2	215.9	210.7	204.0	196.8	193.4	191.6	192.0	193.0
77.5°	213.7	211.8	209.6	205.7	199.9	192.7	185.0	181.6	179.8	181.1	182.7
78°	205.2	203.0	200.1	195.7	189.4	181.6	173.6	170.0	168.6	170.0	172.0
78.5°	196.8	194.2	191.0	186.0	179.1	170.7	162.4	158.6	157.4	159.4	162.3
79°	188.6	185.7	181.8	176.3	169.0	160.0	151.3	147.8	146.8	149.5	153.0
79.5°	180.4	177.2	172.9	166.6	159.0	149.5	140.1	137.0	136.2	139.6	143.7
80°	172.4	168.9	164.2	157.4	149.0	138.9	129.6	126.1	125.7	129.6	134.4
80.5°	164.5	160.7	155.6	148.0	139.3	129.0	119.2	115.3	115.1	119.7	125.1
81°	157.0	152.8	147.2	139.4	130.0	119.2	109.1	105.0	105.2	109.8	115.8
81.5°	149.5	145.0	139.0	130.6	121.0	109.7	99.1	94.6	95.6	100.5	107.0
82°	142.0	137.3	131.0	122.4	111.9	100.3	89.6	84.9	85.9	91.4	98.5
82.5°	134.8	129.9	123.2	114.0	103.3	91.3	80.4	75.9	76.8	82.8	90.5
83°	127.9	122.7	115.7	106.3	95.0	82.5	71.5	66.8	68.2	74.6	82.7
83.5°	121.1	115.8	108.4	98.6	86.9	74.3	63.1	58.4	60.2	66.6	75.2
84°	114.4	109.0	101.4	91.2	79.2	66.3	55.1	50.2	52.1	59.0	68.1
84.5°	108.2	102.3	94.4	83.8	71.8	58.7	48.2	42.6	44.7	51.8	61.3
85°	101.8	95.9	87.7	77.2	64.8	52.5	41.4	35.4	37.6	45.2	55.0
85.5°	95.8	89.7	81.4	70.7	58.2	46.4	34.6	28.7	31.2	39.0	49.0
86°	90.0	83.9	75.4	64.6	52.8	40.2	27.9	23.9	25.2	33.4	43.5
86.5°	84.4	78.3	69.6	58.8	47.5	34.1	22.0	19.0	21.3	28.2	38.4
87°	79.0	72.8	64.0	54.1	42.1	27.9	17.0	14.2	17.4	23.6	33.6
87.5°	73.8	67.4	59.0	49.3	36.8	23.2	12.7	9.3	13.5	20.7	29.2
88°	68.8	62.5	54.5	44.5	31.4	19.1	9.1	4.5	9.5	17.7	25.4
88.5°	64.1	57.5	50.2	39.7	27.2	15.6	6.3	2.1	5.8	14.7	22.1



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	51.9	45.9	37.5	27.7	17.3	8.1	2.8	0.6	2.4	7.3	15.5
90.5°	48.3	42.0	34.0	24.6	14.8	6.5	1.7	0.5	2.1	6.3	13.7
91°	44.6	38.5	30.8	21.8	12.7	5.8	1.3	0.3	1.8	5.5	11.9
91.5°	41.1	35.3	27.9	19.3	11.0	5.0	1.0	0.2	1.6	5.0	10.1
92°	37.9	32.3	25.2	17.2	9.6	4.3	0.8	0.3	1.5	4.6	9.2
92.5°	34.9	29.6	22.8	15.3	8.4	3.6	0.7	0.3	1.4	4.3	8.5
93°	32.3	27.1	20.7	13.7	7.5	3.2	0.6	0.4	1.2	4.0	8.0
93.5°	29.8	24.9	18.8	12.3	6.9	2.9	0.5	0.4	1.1	3.8	7.6
94°	27.5	22.8	17.1	11.2	6.3	2.7	0.5	0.5	1.1	3.8	7.2
94.5°	25.3	20.9	15.6	10.3	6.0	2.4	0.5	0.6	1.1	3.7	6.9
95°	23.4	19.2	14.3	9.5	5.6	2.2	0.6	0.6	1.1	3.7	6.7
95.5°	21.7	17.8	13.3	9.0	5.3	2.1	0.7	0.7	1.1	3.6	6.5
96°	20.1	16.5	12.4	8.5	4.9	1.9	0.8	0.8	1.1	3.5	6.3
96.5°	18.7	15.4	11.7	8.1	4.6	1.8	0.9	0.9	1.1	3.4	6.2
97°	17.5	14.5	11.1	7.7	4.3	1.7	0.9	1.0	1.1	3.2	6.1
97.5°	16.5	13.7	10.5	7.3	4.1	1.6	1.0	1.0	1.1	3.1	6.0
98°	15.5	13.0	10.1	7.0	3.9	1.5	1.1	1.2	1.1	3.0	5.9
98.5°	14.8	12.4	9.7	6.6	3.7	1.5	1.2	1.3	1.2	3.0	5.8
99°	14.1	11.9	9.3	6.3	3.5	1.4	1.2	1.4	1.3	2.9	5.7
99.5°	13.6	11.5	8.9	6.0	3.3	1.4	1.3	1.5	1.4	2.9	5.6
100°	13.0	11.0	8.5	5.7	3.1	1.4	1.4	1.7	1.5	2.9	5.4
100.5°	12.6	10.6	8.1	5.4	2.9	1.4	1.5	1.8	1.6	2.9	5.3
101°	12.1	10.2	7.8	5.1	2.8	1.4	1.6	1.9	1.7	2.8	5.2
101.5°	11.7	9.8	7.4	4.8	2.6	1.4	1.6	2.0	1.8	2.7	5.1
102°	11.2	9.4	7.1	4.6	2.4	1.4	1.7	2.1	1.9	2.7	5.0
102.5°	10.8	9.0	6.8	4.4	2.3	1.4	1.8	2.1	1.9	2.6	4.9
103°	10.4	8.6	6.5	4.2	2.2	1.4	1.9	2.2	2.0	2.5	4.8
103.5°	10.0	8.3	6.2	4.0	2.1	1.6	2.0	2.2	2.1	2.4	4.7
104°	9.6	8.0	6.0	3.8	2.0	1.7	2.0	2.3	2.2	2.4	4.6
104.5°	9.3	7.6	5.7	3.6	2.0	1.8	2.1	2.3	2.2	2.3	4.5
105°	8.9	7.3	5.5	3.4	2.0	1.9	2.3	2.4	2.3	2.3	4.3
105.5°	8.5	7.0	5.2	3.3	2.0	1.9	2.7	2.5	2.4	2.3	4.2
106°	8.2	6.7	5.0	3.1	2.0	2.0	3.0	2.6	2.5	2.3	4.0
106.5°	7.9	6.5	4.8	3.0	2.0	2.0	3.3	2.7	2.7	2.2	3.9
107°	7.5	6.2	4.5	2.8	1.9	2.0	3.6	2.7	3.0	2.2	3.7
107.5°	7.2	6.0	4.3	2.7	1.9	2.1	3.6	2.8	3.2	2.1	3.6
108°	6.9	5.7	4.1	2.6	2.0	2.1	3.6	2.8	3.2	2.2	3.5
108.5°	6.7	5.4	3.9	2.6	2.0	2.2	3.5	2.9	3.1	2.3	3.4
109°	6.4	5.2	3.7	2.5	2.1	2.3	3.4	2.9	3.1	2.3	3.3
109.5°	6.2	4.9	3.6	2.4	2.1	2.3	3.4	2.9	3.2	2.4	3.2
110°	5.9	4.7	3.4	2.3	2.2	2.4	3.4	3.0	3.3	2.4	3.2
110.5°	5.7	4.5	3.3	2.3	2.2	2.5	3.3	3.0	3.3	2.5	3.1
111°	5.4	4.3	3.1	2.2	2.3	2.6	3.4	3.0	3.4	2.6	3.1



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

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



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5
0.5°	1642.9	1642.9	1643.0	1643.0	1643.0	1643.0	1643.1	1643.1	1643.1	1643.2	1643.2
1°	1642.4	1642.4	1642.2	1641.8	1641.5	1641.3	1641.5	1641.8	1642.2	1642.5	1642.7
1.5°	1641.5	1641.6	1641.6	1641.4	1641.3	1641.2	1641.4	1641.6	1641.9	1642.0	1642.2
2°	1640.1	1640.1	1640.0	1639.6	1639.4	1639.4	1639.6	1640.0	1640.5	1640.8	1640.9
2.5°	1639.2	1639.0	1638.3	1637.6	1637.7	1638.0	1638.0	1638.1	1638.7	1639.4	1639.8
3°	1637.6	1637.4	1636.5	1636.2	1636.5	1636.7	1636.6	1636.6	1637.1	1637.8	1638.0
3.5°	1635.1	1634.9	1634.7	1634.1	1634.3	1634.9	1635.1	1635.4	1635.8	1636.3	1636.9
4°	1633.8	1633.6	1632.9	1632.3	1632.6	1633.1	1633.4	1633.5	1633.6	1634.3	1634.9
4.5°	1631.2	1630.9	1630.7	1630.7	1630.7	1630.4	1630.6	1631.0	1631.4	1632.4	1633.6
5°	1629.2	1629.0	1628.1	1627.7	1627.2	1627.0	1627.6	1628.5	1629.5	1630.8	1632.2
5.5°	1627.1	1626.4	1625.8	1625.1	1624.9	1625.2	1625.2	1625.9	1627.2	1628.8	1630.3
6°	1624.1	1623.5	1623.0	1622.5	1622.4	1622.1	1622.0	1622.7	1624.2	1625.4	1627.4
6.5°	1621.3	1620.1	1619.6	1619.2	1619.0	1619.2	1619.2	1620.1	1621.5	1623.0	1625.2
7°	1619.0	1617.8	1616.5	1615.7	1615.9	1616.2	1616.6	1617.4	1618.9	1620.1	1623.0
7.5°	1616.2	1615.1	1613.1	1612.6	1612.0	1611.4	1612.3	1613.6	1615.2	1617.2	1619.8
8°	1612.5	1611.6	1609.9	1608.8	1608.2	1608.3	1608.8	1610.1	1611.7	1613.6	1616.7
8.5°	1608.9	1607.1	1606.2	1605.1	1604.2	1604.6	1604.9	1606.4	1608.5	1610.3	1613.4
9°	1604.8	1603.3	1602.2	1600.8	1600.6	1600.6	1600.6	1602.0	1604.5	1607.4	1611.0
9.5°	1601.5	1599.7	1597.6	1596.7	1596.2	1596.0	1596.2	1598.0	1600.5	1603.4	1607.3
10°	1598.7	1595.7	1593.7	1592.2	1591.8	1591.8	1591.6	1593.5	1596.5	1599.7	1603.3
10.5°	1594.1	1591.6	1589.0	1587.4	1586.7	1586.0	1587.1	1589.3	1592.0	1595.6	1600.1
11°	1589.5	1586.9	1584.3	1582.8	1582.0	1581.8	1582.2	1584.1	1587.5	1590.9	1595.8
11.5°	1584.8	1582.0	1579.4	1577.6	1576.9	1576.2	1577.2	1579.2	1582.7	1587.4	1590.9
12°	1580.9	1577.1	1574.1	1572.5	1571.4	1571.0	1572.4	1574.7	1578.0	1583.0	1587.7
12.5°	1576.4	1572.3	1569.3	1567.5	1566.3	1565.1	1566.8	1569.2	1572.8	1577.7	1583.6
13°	1571.5	1567.0	1563.8	1561.5	1559.6	1559.2	1561.2	1563.6	1567.1	1572.6	1578.2
13.5°	1565.7	1561.2	1558.0	1555.4	1553.6	1553.4	1555.2	1557.4	1561.7	1567.1	1573.7
14°	1560.9	1555.9	1552.3	1549.6	1547.6	1548.1	1548.8	1551.6	1556.4	1562.6	1567.9
14.5°	1555.4	1549.8	1546.5	1543.7	1540.8	1541.3	1543.1	1545.6	1550.4	1556.9	1563.1
15°	1549.7	1544.2	1540.6	1537.1	1535.1	1534.8	1536.3	1539.7	1544.1	1550.7	1557.6
15.5°	1544.3	1538.5	1533.8	1530.2	1528.7	1527.8	1529.5	1532.9	1538.2	1544.8	1552.1
16°	1538.4	1532.4	1527.2	1523.2	1520.8	1520.7	1522.3	1526.1	1531.5	1538.4	1545.9
16.5°	1532.2	1526.0	1520.6	1516.4	1514.2	1514.4	1515.7	1519.2	1525.1	1532.1	1539.8
17°	1526.0	1519.4	1514.1	1509.8	1507.4	1507.0	1508.6	1512.2	1518.3	1526.3	1533.8
17.5°	1519.5	1512.7	1507.2	1502.6	1500.0	1499.2	1501.5	1504.8	1511.0	1519.5	1528.2
18°	1512.8	1505.5	1499.8	1494.8	1492.1	1491.1	1492.9	1498.0	1504.3	1512.6	1521.8
18.5°	1505.9	1498.7	1492.0	1486.7	1484.4	1483.9	1485.7	1490.5	1497.6	1505.8	1515.1
19°	1499.6	1491.0	1484.2	1478.9	1477.0	1475.3	1477.1	1482.3	1489.2	1498.4	1507.6
19.5°	1491.7	1483.4	1476.5	1471.0	1468.7	1467.3	1469.4	1474.1	1481.4	1491.4	1501.1
20°	1484.9	1476.4	1468.8	1462.9	1459.7	1459.1	1461.7	1466.3	1474.1	1484.1	1495.0
20.5°	1477.7	1468.5	1460.9	1454.5	1450.8	1450.4	1453.1	1458.6	1466.3	1476.6	1487.9
21°	1469.8	1460.8	1452.7	1445.9	1441.9	1441.7	1444.3	1449.8	1458.3	1469.2	1480.1





TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1446.4	1435.7	1426.8	1419.9	1414.9	1414.2	1416.5	1422.5	1432.2	1445.0	1457.0
23°	1438.6	1427.2	1418.2	1410.6	1405.8	1405.5	1407.4	1413.8	1423.8	1436.6	1449.7
23.5°	1430.0	1418.1	1408.8	1401.2	1397.0	1395.2	1397.7	1404.3	1414.9	1427.6	1441.4
24°	1421.7	1409.6	1399.4	1390.9	1386.8	1385.1	1387.4	1395.2	1405.4	1418.7	1432.6
24.5°	1413.1	1400.8	1389.8	1381.1	1377.0	1374.7	1378.2	1386.3	1396.9	1410.0	1424.4
25°	1405.4	1391.8	1381.1	1371.9	1367.5	1364.9	1368.3	1376.7	1387.5	1401.2	1415.6
25.5°	1395.5	1382.2	1371.5	1361.9	1356.6	1354.8	1358.1	1366.0	1377.4	1391.8	1407.3
26°	1386.4	1372.7	1361.1	1352.0	1346.8	1344.4	1348.0	1356.0	1368.4	1383.0	1398.7
26.5°	1377.3	1363.3	1350.9	1341.7	1336.6	1334.0	1337.0	1345.9	1358.3	1373.6	1389.4
27°	1368.7	1354.3	1341.2	1330.8	1325.4	1323.9	1326.7	1335.3	1348.4	1363.7	1380.2
27.5°	1359.0	1343.6	1330.9	1320.0	1314.0	1313.4	1316.3	1324.7	1337.9	1354.5	1370.6
28°	1349.0	1333.8	1320.8	1309.5	1303.8	1302.1	1305.8	1315.1	1328.3	1344.5	1361.8
28.5°	1339.8	1324.3	1310.5	1299.5	1293.0	1290.9	1294.3	1304.0	1317.9	1334.3	1351.4
29°	1330.0	1313.7	1299.8	1288.1	1281.6	1280.6	1284.1	1292.6	1306.6	1323.8	1341.9
29.5°	1320.1	1303.1	1289.0	1277.1	1270.7	1268.6	1271.6	1281.7	1296.3	1314.2	1332.7
30°	1310.0	1292.6	1278.2	1266.1	1259.0	1257.2	1261.2	1271.0	1285.7	1304.1	1322.7
30.5°	1299.6	1282.4	1267.3	1254.8	1248.2	1245.7	1249.5	1259.6	1274.5	1293.2	1312.4
31°	1289.4	1271.6	1256.2	1243.7	1236.7	1234.2	1238.5	1248.7	1263.7	1282.5	1302.6
31.5°	1278.8	1260.8	1245.2	1232.2	1224.8	1222.3	1226.7	1237.5	1253.0	1272.2	1292.0
32°	1268.1	1250.2	1234.2	1220.3	1212.8	1210.3	1214.8	1225.6	1242.2	1261.5	1281.8
32.5°	1258.1	1239.4	1222.7	1208.2	1200.9	1198.4	1203.0	1213.7	1230.8	1250.9	1271.3
33°	1247.1	1227.9	1211.2	1196.2	1188.9	1186.4	1191.1	1201.9	1219.1	1240.1	1261.0
33.5°	1235.8	1216.4	1199.7	1184.2	1176.9	1174.5	1179.3	1190.0	1207.4	1229.0	1250.3
34°	1226.4	1205.1	1188.4	1172.9	1164.2	1162.4	1166.4	1178.1	1195.8	1217.6	1239.5
34.5°	1214.8	1193.8	1176.7	1161.5	1152.4	1149.7	1154.5	1166.6	1184.2	1206.3	1229.1
35°	1203.3	1182.1	1164.0	1149.3	1140.3	1137.3	1142.5	1154.8	1172.5	1194.9	1218.0
35.5°	1191.9	1170.6	1152.2	1137.3	1128.1	1125.2	1130.1	1142.8	1160.5	1183.6	1206.9
36°	1180.5	1159.2	1140.6	1124.4	1115.2	1112.6	1117.5	1129.5	1148.5	1172.2	1195.8
36.5°	1168.9	1147.2	1127.7	1112.1	1102.4	1100.2	1105.0	1117.7	1136.3	1159.8	1184.7
37°	1157.2	1134.7	1115.7	1100.0	1089.7	1087.0	1092.2	1105.6	1124.2	1147.9	1173.1
37.5°	1145.5	1122.7	1103.5	1087.6	1078.0	1074.5	1079.9	1092.8	1111.7	1135.8	1161.5
38°	1133.4	1110.5	1090.9	1074.3	1064.6	1062.4	1066.9	1080.6	1099.9	1124.0	1149.1
38.5°	1121.6	1098.6	1078.5	1062.1	1052.2	1048.8	1054.5	1067.9	1087.5	1112.2	1137.5
39°	1109.8	1086.6	1065.9	1049.3	1039.6	1036.5	1042.2	1055.6	1075.2	1100.1	1125.8
39.5°	1097.6	1074.7	1053.8	1036.7	1027.1	1023.6	1028.7	1042.6	1062.6	1087.7	1114.1
40°	1085.9	1062.0	1041.3	1024.3	1013.9	1010.8	1016.4	1030.0	1050.0	1075.5	1102.1
40.5°	1073.8	1049.6	1028.7	1011.4	1000.9	997.9	1002.9	1016.8	1038.1	1063.3	1090.4
41°	1061.7	1037.2	1016.0	998.2	988.1	985.0	990.8	1004.7	1025.2	1051.1	1078.0
41.5°	1049.2	1024.9	1003.5	985.9	975.3	972.4	977.4	992.0	1012.8	1038.8	1065.9
42°	1036.7	1012.2	990.5	973.1	962.0	959.2	965.0	978.8	1000.1	1026.0	1054.3
42.5°	1024.9	1000.1	977.9	960.2	949.3	946.5	951.9	966.3	987.8	1013.3	1041.3
43°	1012.7	987.1	965.5	947.4	936.1	933.9	939.5	953.7	975.1	1001.3	1029.4
43.5°	1000.0	974.8	952.6	934.3	923.8	920.6	926.2	940.4	961.7	988.9	1016.9



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	962.3	936.2	913.9	896.0	885.5	881.8	887.2	902.1	923.3	951.0	979.8
45.5°	949.8	923.8	901.8	883.1	872.4	869.2	875.0	889.5	910.8	938.2	967.0
46°	937.1	911.4	888.6	870.5	859.4	856.9	862.3	877.0	898.6	925.5	954.7
46.5°	924.4	898.5	876.0	857.7	846.8	843.9	849.4	864.4	886.0	912.9	941.8
47°	911.9	885.5	863.1	844.9	833.7	831.0	836.8	851.2	873.0	900.1	929.6
47.5°	898.9	872.9	850.6	832.3	821.2	818.6	824.1	838.6	860.2	887.4	916.7
48°	885.8	860.5	837.3	819.4	808.8	805.5	810.9	825.7	847.4	874.5	903.8
48.5°	873.1	847.6	825.1	807.1	796.3	793.0	798.9	813.1	834.7	861.9	890.8
49°	860.6	834.7	812.3	794.6	783.3	780.4	786.5	800.9	822.6	849.7	878.1
49.5°	848.5	822.0	800.0	782.1	770.7	768.4	773.8	788.3	809.4	836.8	865.8
50°	834.6	809.4	787.0	769.3	758.3	755.7	761.8	775.5	797.4	823.8	853.3
50.5°	822.5	796.6	773.8	756.6	746.3	743.5	748.5	762.7	784.5	811.1	840.4
51°	809.5	783.6	761.9	744.4	733.6	731.6	736.6	750.6	771.6	798.4	827.9
51.5°	796.5	771.1	749.6	732.3	721.3	719.1	724.6	738.7	759.5	786.0	814.8
52°	783.5	758.9	737.2	720.0	709.2	706.7	712.3	726.6	747.2	774.0	802.2
52.5°	770.8	746.3	724.8	707.6	697.4	695.2	700.0	714.3	735.0	761.2	789.4
53°	758.2	733.7	712.0	695.2	685.1	683.2	688.1	702.0	722.5	748.5	776.9
53.5°	745.6	721.2	699.6	683.2	672.9	670.8	676.5	689.6	710.3	736.1	764.8
54°	733.0	708.8	687.2	671.2	661.1	658.3	663.9	677.2	697.8	723.5	751.9
54.5°	720.2	695.9	675.0	658.9	649.1	647.0	652.5	665.3	685.7	711.0	738.8
55°	707.4	683.1	662.9	647.2	637.1	635.1	640.3	653.6	673.4	698.8	726.1
55.5°	695.2	671.0	650.7	635.1	625.9	623.7	628.9	641.6	661.2	686.4	713.2
56°	682.2	658.6	638.5	623.3	614.0	612.1	617.2	629.5	649.0	674.0	701.0
56.5°	669.4	646.0	626.8	611.7	602.0	600.1	605.6	618.1	637.3	661.7	688.2
57°	657.0	633.9	614.5	599.8	590.6	589.0	594.1	606.6	625.1	649.1	675.7
57.5°	643.9	621.9	602.9	587.9	579.0	577.3	582.1	594.5	613.3	636.8	662.9
58°	631.6	609.5	590.8	576.4	568.0	566.1	571.1	582.9	601.2	624.5	650.5
58.5°	618.8	597.6	579.2	564.8	556.5	555.0	559.8	571.4	589.7	612.6	638.4
59°	606.5	585.5	567.2	553.6	545.0	543.5	548.4	560.1	577.8	600.6	625.9
59.5°	594.1	573.1	555.8	542.0	533.6	532.3	537.7	548.7	566.4	588.4	613.4
60°	581.5	561.4	544.4	530.5	523.0	521.7	526.2	537.3	554.6	576.4	600.6
60.5°	569.3	549.4	532.6	519.2	511.7	510.3	515.0	526.0	543.1	564.5	588.0
61°	556.6	537.5	520.9	508.1	500.6	499.5	503.8	514.9	531.4	552.6	576.1
61.5°	544.4	525.6	509.7	497.4	490.4	488.7	493.3	503.9	520.3	540.6	563.4
62°	531.8	513.8	498.5	486.1	479.0	478.0	482.4	493.1	508.7	529.0	551.1
62.5°	520.0	502.2	487.0	475.1	468.1	467.5	471.6	481.9	497.5	517.3	539.0
63°	507.9	490.6	475.4	464.0	457.7	456.7	460.9	470.9	486.1	505.5	526.8
63.5°	495.9	478.8	464.3	453.2	447.3	446.2	450.4	460.1	475.0	494.1	515.0
64°	483.4	467.2	453.8	442.6	436.7	435.8	439.7	449.5	463.7	482.5	502.7
64.5°	471.5	455.7	442.4	431.8	426.0	425.5	429.4	438.7	452.7	470.7	490.7
65°	459.5	444.3	431.4	421.4	415.9	415.0	419.2	428.3	441.9	459.4	478.7
65.5°	447.6	433.1	420.9	411.0	405.5	404.8	408.9	417.7	431.3	447.9	466.8
66°	436.1	421.8	410.2	400.2	395.0	394.4	398.2	407.0	420.1	436.7	454.8



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	400.2	387.9	377.5	369.5	365.0	364.5	368.2	376.2	387.9	402.9	419.0
68°	388.6	377.0	366.9	359.2	355.2	354.9	358.4	366.1	377.1	391.9	407.8
68.5°	377.2	365.9	356.5	349.2	345.4	344.8	348.5	356.1	366.9	380.9	396.4
69°	365.7	354.9	346.2	339.3	335.6	335.4	338.6	346.0	356.5	369.9	384.9
69.5°	354.2	344.2	335.8	329.2	325.5	325.5	328.8	336.0	346.1	358.9	373.2
70°	343.0	333.5	325.7	319.2	316.2	316.3	319.3	326.0	335.7	347.9	361.6
70.5°	331.3	322.8	315.3	309.8	306.8	306.9	309.9	316.2	325.4	337.4	350.0
71°	320.2	312.1	305.5	300.2	297.4	297.5	300.4	306.6	315.5	326.6	339.1
71.5°	309.2	301.7	295.4	290.5	287.9	288.1	291.1	296.9	305.5	316.1	327.7
72°	298.2	291.4	285.5	281.0	278.7	279.2	281.9	287.4	295.5	305.7	316.7
72.5°	287.1	281.0	275.8	271.6	269.6	269.9	272.8	278.1	285.7	295.2	305.4
73°	276.4	270.8	266.0	262.3	260.4	260.9	263.5	268.7	275.6	284.8	295.0
73.5°	265.5	260.7	256.2	253.1	251.6	251.9	254.6	259.2	266.1	274.5	283.8
74°	254.7	250.5	246.9	244.1	242.6	243.5	245.7	250.2	256.6	264.5	272.9
74.5°	244.2	240.6	237.4	235.3	234.0	234.8	237.1	241.3	247.2	254.4	262.0
75°	233.9	231.0	228.3	226.2	225.3	226.1	228.3	232.2	237.7	244.4	251.9
75.5°	223.7	221.3	218.9	217.5	216.9	217.6	219.7	223.3	228.4	234.5	241.3
76°	213.3	211.7	210.2	208.8	208.2	209.2	211.1	214.7	219.5	224.9	231.0
76.5°	203.3	202.2	201.2	200.3	200.0	200.9	202.8	206.1	210.3	215.2	220.7
77°	193.5	192.9	192.6	192.0	191.8	192.8	194.7	197.6	201.4	205.7	210.6
77.5°	183.6	183.9	183.8	183.8	184.0	184.9	186.8	189.2	192.7	196.5	200.2
78°	174.1	175.1	175.4	175.7	176.3	177.2	178.7	181.2	184.2	187.4	190.6
78.5°	164.9	166.6	167.2	167.7	168.6	169.6	171.0	173.2	175.6	178.4	180.9
79°	155.6	157.8	159.1	160.1	160.9	162.1	163.5	165.4	167.4	169.4	171.5
79.5°	146.9	149.5	151.4	152.6	153.7	154.8	156.3	157.7	159.3	160.9	161.8
80°	138.3	141.9	144.1	145.6	146.9	147.8	148.9	150.1	151.6	152.4	152.9
80.5°	129.7	134.1	136.9	138.8	140.2	141.2	142.2	143.1	144.3	144.3	144.4
81°	121.1	126.3	129.6	132.0	133.5	134.5	135.5	136.3	137.0	136.6	135.9
81.5°	113.0	118.5	122.4	125.1	126.8	127.9	128.8	129.5	129.7	128.8	127.4
82°	105.5	111.1	115.2	118.3	120.1	121.2	122.1	122.7	122.4	121.1	118.8
82.5°	97.9	104.2	108.5	111.7	113.9	115.1	115.9	116.0	115.2	113.5	110.5
83°	90.5	97.2	102.0	105.5	107.7	109.1	109.7	109.6	108.5	106.3	102.9
83.5°	83.5	90.5	95.7	99.4	101.6	103.0	103.7	103.3	102.0	99.3	95.3
84°	76.8	84.1	89.6	93.5	95.9	97.3	97.9	97.4	95.6	92.5	88.1
84.5°	70.4	78.2	83.8	87.8	90.4	91.7	92.2	91.5	89.6	86.0	80.9
85°	64.3	72.3	78.1	82.3	85.0	86.4	86.7	85.8	83.6	79.8	74.4
85.5°	58.6	66.7	72.7	77.0	79.7	81.0	81.3	80.4	77.9	73.9	68.1
86°	53.2	61.3	67.5	72.0	74.8	76.1	76.4	75.3	72.4	68.1	62.0
86.5°	48.0	56.3	62.7	67.2	69.9	71.3	71.5	70.2	67.4	62.6	56.2
87°	43.3	51.6	58.0	62.6	65.5	66.8	66.9	65.4	62.4	57.6	50.8
87.5°	38.8	47.2	53.7	58.3	61.1	62.5	62.4	61.0	57.8	52.7	45.8
88°	34.9	43.1	49.5	54.2	57.1	58.3	58.3	56.7	53.3	48.3	41.2
88.5°	31.2	39.3	45.7	50.3	53.1	54.4	54.3	52.6	49.3	44.0	36.9



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	22.2	29.6	35.6	40.0	42.9	44.0	43.8	41.9	38.3	33.0	26.1
90.5°	20.0	27.0	32.8	37.1	39.9	41.0	40.6	38.8	35.2	30.0	23.2
91°	18.0	24.6	30.2	34.5	37.1	38.2	37.9	35.9	32.4	27.2	20.7
91.5°	16.3	22.6	27.9	32.0	34.6	35.6	35.2	33.3	29.8	24.8	18.6
92°	15.2	20.8	25.8	29.7	32.2	33.2	32.8	30.9	27.5	22.7	16.7
92.5°	14.3	19.2	24.0	27.7	30.1	31.0	30.6	28.7	25.4	20.8	15.5
93°	13.3	17.8	22.4	25.9	28.2	29.0	28.6	26.8	23.5	19.1	14.4
93.5°	12.3	16.7	21.0	24.3	26.5	27.3	26.8	25.1	22.0	17.7	13.3
94°	11.3	15.8	19.8	22.9	25.0	25.8	25.3	23.5	20.6	16.6	12.2
94.5°	10.8	15.0	18.8	21.8	23.7	24.4	23.9	22.2	19.4	15.5	11.2
95°	10.4	14.4	17.9	20.7	22.5	23.1	22.6	21.1	18.3	14.7	10.6
95.5°	10.0	13.8	17.1	19.8	21.5	22.0	21.6	20.0	17.4	14.0	10.1
96°	9.6	13.4	16.5	18.9	20.5	21.1	20.6	19.1	16.6	13.4	9.8
96.5°	9.4	13.0	15.9	18.2	19.7	20.2	19.8	18.4	16.0	12.9	9.4
97°	9.2	12.6	15.3	17.5	18.9	19.4	19.1	17.7	15.4	12.4	9.0
97.5°	9.0	12.2	14.9	17.0	18.3	18.8	18.4	17.2	15.0	11.9	8.6
98°	8.9	11.8	14.4	16.4	17.7	18.2	17.9	16.6	14.5	11.5	8.2
98.5°	8.7	11.5	14.0	15.9	17.2	17.7	17.3	16.1	14.0	11.0	7.9
99°	8.6	11.3	13.7	15.5	16.7	17.1	16.8	15.6	13.6	10.6	7.8
99.5°	8.5	11.1	13.4	15.1	16.2	16.7	16.3	15.1	13.2	10.3	7.7
100°	8.4	10.9	13.1	14.8	15.8	16.2	15.8	14.7	12.8	10.0	7.6
100.5°	8.3	10.8	12.9	14.5	15.5	15.8	15.4	14.2	12.4	9.9	7.5
101°	8.1	10.6	12.6	14.2	15.1	15.5	15.0	13.8	12.0	9.7	7.4
101.5°	8.0	10.5	12.4	13.9	14.8	15.1	14.6	13.5	11.6	9.6	7.3
102°	7.9	10.3	12.2	13.6	14.5	14.8	14.3	13.2	11.5	9.5	7.2
102.5°	7.7	10.2	12.0	13.4	14.2	14.5	14.0	13.0	11.3	9.4	7.1
103°	7.5	10.1	11.8	13.2	14.0	14.3	13.8	12.9	11.2	9.3	6.9
103.5°	7.4	9.9	11.7	13.0	13.8	14.1	13.7	12.7	11.0	9.2	6.7
104°	7.2	9.7	11.5	12.8	13.6	13.9	13.5	12.5	10.9	9.0	6.5
104.5°	7.0	9.5	11.3	12.6	13.4	13.7	13.3	12.4	10.8	8.9	6.3
105°	6.9	9.3	11.2	12.4	13.2	13.5	13.1	12.2	10.7	8.7	6.1
105.5°	6.7	9.1	11.0	12.2	13.0	13.3	13.0	12.0	10.6	8.5	6.0
106°	6.6	8.9	10.8	12.0	12.8	13.2	12.9	11.9	10.4	8.3	5.8
106.5°	6.5	8.7	10.5	11.8	12.6	13.0	12.7	11.7	10.2	8.1	5.6
107°	6.3	8.6	10.3	11.6	12.4	12.8	12.4	11.5	10.0	7.8	5.5
107.5°	6.2	8.4	10.1	11.4	12.2	12.5	12.2	11.3	9.7	7.6	5.3
108°	6.0	8.2	9.9	11.2	11.9	12.3	12.0	11.1	9.5	7.4	5.2
108.5°	5.8	8.0	9.7	10.9	11.7	12.1	11.8	10.8	9.2	7.2	5.1
109°	5.7	7.9	9.5	10.7	11.5	11.8	11.6	10.5	9.0	7.0	4.9
109.5°	5.5	7.7	9.3	10.4	11.2	11.6	11.3	10.3	8.7	6.8	4.8
110°	5.3	7.5	9.0	10.2	10.9	11.3	11.0	10.0	8.5	6.7	4.7
110.5°	5.2	7.3	8.8	10.0	10.7	11.0	10.7	9.8	8.3	6.5	4.5
111°	5.0	7.1	8.7	9.8	10.4	10.7	10.5	9.5	8.1	6.4	4.4



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	4.5	6.5	8.1	9.1	9.7	10.0	9.8	8.8	7.4	5.9	4.0
113°	4.3	6.3	7.9	8.9	9.5	9.8	9.5	8.6	7.2	5.8	3.8
113.5°	4.1	6.1	7.7	8.7	9.3	9.5	9.3	8.4	7.1	5.6	3.7
114°	4.0	5.9	7.5	8.5	9.1	9.3	9.1	8.2	6.9	5.5	3.6
114.5°	3.9	5.7	7.3	8.3	8.9	9.1	8.9	8.0	6.7	5.3	3.5
115°	3.8	5.5	7.1	8.2	8.7	8.9	8.6	7.8	6.5	5.2	3.4
115.5°	3.7	5.3	6.9	8.0	8.5	8.6	8.4	7.6	6.3	5.0	3.3
116°	3.6	5.1	6.7	7.8	8.3	8.4	8.2	7.4	6.2	4.8	3.2
116.5°	3.6	4.9	6.5	7.6	8.1	8.2	8.0	7.2	6.0	4.6	3.2
117°	3.5	4.7	6.3	7.4	8.0	8.0	7.8	6.9	5.8	4.5	3.1
117.5°	3.5	4.6	6.0	7.2	7.8	7.8	7.6	6.8	5.6	4.3	3.1
118°	3.4	4.4	5.8	6.9	7.6	7.7	7.4	6.6	5.4	4.2	3.0
118.5°	3.3	4.3	5.6	6.7	7.3	7.5	7.2	6.4	5.1	4.1	2.9
119°	3.2	4.2	5.4	6.5	7.1	7.2	7.0	6.2	5.0	3.9	2.8
119.5°	3.1	4.1	5.1	6.2	6.9	7.0	6.8	5.9	4.8	3.8	2.6
120°	3.0	3.9	5.0	6.0	6.7	6.8	6.5	5.7	4.6	3.7	2.5
120.5°	2.9	3.8	4.8	5.8	6.4	6.6	6.3	5.5	4.4	3.6	2.5
121°	2.7	3.7	4.6	5.5	6.1	6.3	6.0	5.3	4.3	3.5	2.4
121.5°	2.7	3.7	4.5	5.3	5.9	6.0	5.8	5.1	4.2	3.4	2.4
122°	2.7	3.6	4.4	5.1	5.7	5.8	5.6	4.9	4.0	3.3	2.4
122.5°	2.7	3.6	4.3	5.0	5.5	5.6	5.4	4.7	3.9	3.2	2.4
123°	2.8	3.5	4.1	4.8	5.3	5.4	5.2	4.6	3.8	3.1	2.5
123.5°	2.8	3.3	4.0	4.7	5.1	5.2	5.0	4.5	3.7	2.9	2.5
124°	2.9	3.2	3.9	4.5	4.9	5.0	4.9	4.3	3.6	2.7	2.6
124.5°	2.9	3.1	3.8	4.4	4.8	4.9	4.7	4.2	3.5	2.6	2.6
125°	3.0	2.9	3.7	4.3	4.6	4.7	4.6	4.1	3.4	2.5	2.6
125.5°	3.0	2.7	3.6	4.2	4.5	4.6	4.4	4.0	3.3	2.4	2.7
126°	3.1	2.6	3.5	4.1	4.4	4.4	4.3	3.9	3.2	2.3	2.7
126.5°	3.2	2.6	3.4	4.0	4.3	4.3	4.2	3.8	3.0	2.2	2.8
127°	3.2	2.7	3.2	3.9	4.2	4.2	4.1	3.7	2.9	2.3	2.8
127.5°	3.3	2.7	3.1	3.8	4.1	4.1	4.0	3.6	2.7	2.3	2.8
128°	3.3	2.8	2.9	3.6	4.0	4.0	3.9	3.5	2.6	2.3	2.8
128.5°	3.4	2.8	2.8	3.5	3.9	3.9	3.8	3.3	2.5	2.4	2.8
129°	3.4	2.9	2.6	3.3	3.8	3.8	3.7	3.1	2.4	2.4	2.8
129.5°	3.5	2.9	2.6	3.2	3.6	3.7	3.6	3.0	2.4	2.5	2.9
130°	3.5	3.0	2.6	3.0	3.4	3.5	3.4	2.8	2.4	2.5	2.9
130.5°	3.5	3.0	2.7	2.8	3.2	3.3	3.2	2.7	2.4	2.6	2.9
131°	3.6	3.0	2.7	2.7	3.1	3.2	3.0	2.6	2.5	2.6	2.9
131.5°	3.6	3.1	2.8	2.6	2.9	3.0	2.9	2.5	2.5	2.7	2.9
132°	3.6	3.1	2.8	2.6	2.7	2.9	2.7	2.5	2.6	2.7	3.0
132.5°	3.7	3.2	2.9	2.6	2.6	2.7	2.6	2.5	2.6	2.8	3.0
133°	3.8	3.3	2.9	2.7	2.6	2.6	2.6	2.6	2.7	2.8	3.1
133.5°	3.9	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.7	2.9	3.2



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	4.1	3.5	3.1	2.8	2.7	2.6	2.7	2.7	2.8	3.1	3.5
135.5°	4.1	3.5	3.1	2.9	2.8	2.7	2.7	2.8	2.9	3.1	3.5
136°	4.2	3.6	3.2	2.9	2.8	2.7	2.8	2.8	2.9	3.2	3.6
136.5°	4.2	3.6	3.2	3.0	2.8	2.8	2.8	2.9	3.0	3.3	3.6
137°	4.3	3.7	3.3	3.0	2.9	2.8	2.9	2.9	3.0	3.3	3.6
137.5°	4.2	3.8	3.3	3.1	2.9	2.9	2.9	2.9	3.1	3.4	3.5
138°	4.2	3.8	3.4	3.1	3.0	2.9	3.0	3.0	3.2	3.5	3.4
138.5°	4.1	3.9	3.4	3.2	3.0	2.9	3.0	3.0	3.3	3.6	3.4
139°	4.0	4.0	3.5	3.2	3.0	3.0	3.0	3.1	3.3	3.6	3.3
139.5°	4.0	4.0	3.5	3.2	3.1	3.0	3.1	3.1	3.4	3.7	3.3
140°	4.0	4.0	3.6	3.3	3.1	3.1	3.1	3.2	3.4	3.7	3.3
140.5°	4.0	4.1	3.7	3.3	3.2	3.1	3.2	3.3	3.5	3.8	3.3
141°	4.0	4.2	3.8	3.4	3.2	3.2	3.2	3.3	3.6	3.8	3.3
141.5°	4.0	4.2	3.9	3.5	3.3	3.2	3.3	3.4	3.8	3.8	3.3
142°	4.0	4.2	4.0	3.5	3.3	3.3	3.3	3.5	3.8	3.7	3.3
142.5°	4.0	4.1	4.0	3.6	3.4	3.3	3.4	3.6	3.9	3.7	3.3
143°	4.0	4.0	4.0	3.8	3.4	3.4	3.5	3.7	3.9	3.6	3.3
143.5°	4.1	4.0	4.1	3.9	3.5	3.5	3.6	3.8	3.9	3.6	3.3
144°	4.1	3.9	4.1	4.0	3.7	3.6	3.7	3.9	3.9	3.6	3.3
144.5°	4.0	3.9	4.2	4.0	3.8	3.7	3.9	4.0	3.9	3.5	3.3
145°	4.0	3.9	4.1	4.0	3.9	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	4.0	3.7	3.5	3.3
146°	4.0	3.9	3.9	4.1	4.0	4.0	4.0	4.1	3.7	3.5	3.3
146.5°	4.0	3.9	3.9	4.1	4.1	4.1	4.1	4.1	3.7	3.5	3.3
147°	4.0	3.9	3.9	4.0	4.1	4.1	4.1	4.0	3.7	3.5	3.3
147.5°	4.0	3.9	3.9	3.9	4.1	4.2	4.1	3.9	3.6	3.5	3.3
148°	4.0	3.9	3.9	3.9	4.0	4.1	4.1	3.8	3.6	3.5	3.3
148.5°	4.0	3.9	3.9	3.9	3.9	4.0	4.0	3.8	3.6	3.5	3.2
149°	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.6	3.4	3.2
149.5°	4.1	3.9	3.9	3.9	3.8	3.9	3.9	3.8	3.6	3.4	3.2
150°	4.1	3.9	3.9	3.9	3.8	3.9	3.9	3.8	3.6	3.4	3.3
150.5°	4.0	3.9	3.9	3.9	3.8	3.9	3.9	3.8	3.6	3.4	3.3
151°	3.9	3.9	3.9	3.9	3.8	3.9	3.8	3.8	3.6	3.3	3.3
151.5°	4.0	3.8	3.8	3.9	3.8	3.8	3.9	3.8	3.6	3.3	3.3
152°	4.2	3.8	3.8	3.9	3.8	3.9	3.9	3.8	3.6	3.3	3.3
152.5°	4.2	3.8	3.8	3.8	3.8	3.9	3.9	3.7	3.6	3.3	3.3
153°	4.2	3.8	3.8	3.8	3.8	3.9	3.9	3.7	3.5	3.3	3.3
153.5°	4.2	3.8	3.8	3.8	3.8	3.9	3.8	3.7	3.5	3.4	3.3
154°	4.2	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.5	3.4	3.3
154.5°	4.3	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.5	3.4	3.4
155°	4.3	4.0	3.8	3.7	3.8	3.8	3.7	3.7	3.6	3.4	3.4
155.5°	4.2	4.1	3.8	3.7	3.7	3.8	3.7	3.7	3.6	3.4	3.4
156°	4.1	4.1	3.8	3.7	3.7	3.8	3.7	3.7	3.6	3.5	3.4



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	4.3	4.0	4.0	3.8	3.7	3.8	3.8	3.7	3.7	3.6	3.5
158°	4.2	4.0	4.0	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6
158.5°	3.9	3.9	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.6
159°	3.8	3.9	4.1	3.9	3.8	3.8	3.8	3.9	3.8	3.8	3.7
159.5°	3.8	3.9	4.1	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.7
160°	3.7	3.9	4.2	4.0	3.9	3.9	3.9	3.9	4.0	3.9	3.7
160.5°	3.7	3.9	4.2	4.1	4.0	4.0	4.0	4.0	4.0	4.0	3.8
161°	3.7	3.9	4.1	4.2	4.0	4.0	4.0	4.0	4.1	4.0	3.8
161.5°	3.7	3.8	4.0	4.2	4.1	4.0	4.1	4.1	4.1	4.0	3.9
162°	3.7	3.7	4.0	4.2	4.1	4.1	4.1	4.2	4.2	4.1	3.9
162.5°	3.6	3.7	3.9	4.3	4.2	4.2	4.2	4.2	4.3	4.1	3.8
163°	3.6	3.7	3.9	4.3	4.3	4.2	4.3	4.3	4.3	4.1	3.8
163.5°	3.6	3.7	3.8	4.2	4.3	4.3	4.3	4.3	4.3	4.1	3.9
164°	3.6	3.7	3.7	4.0	4.3	4.3	4.4	4.4	4.3	4.2	3.9
164.5°	3.5	3.7	3.7	4.0	4.3	4.4	4.4	4.4	4.4	4.3	3.4
165°	3.5	3.7	3.7	4.0	4.4	4.4	4.4	4.5	4.4	4.0	3.2
165.5°	3.4	3.6	3.7	3.9	4.3	4.4	4.5	4.5	4.3	3.4	3.7
166°	3.4	3.6	3.7	3.7	4.3	4.5	4.5	4.5	4.3	3.5	3.9
166.5°	3.4	3.7	3.7	3.6	4.2	4.5	4.5	4.5	4.3	4.0	3.4
167°	3.3	3.9	3.7	3.6	4.1	4.5	4.5	4.6	3.8	3.9	3.0
167.5°	3.3	3.9	3.8	3.6	4.1	4.5	4.5	4.5	3.4	3.2	3.4
168°	3.4	3.9	3.9	3.6	4.0	4.4	4.5	4.5	3.8	3.0	3.8
168.5°	3.6	4.0	4.1	3.6	3.7	4.4	4.4	4.4	4.1	3.8	3.5
169°	3.5	3.9	4.1	3.7	3.6	4.4	4.4	4.3	3.3	3.9	3.5
169.5°	3.5	3.9	4.0	3.7	3.5	4.3	4.4	4.0	2.9	3.8	3.7
170°	3.6	3.8	4.0	3.9	3.5	4.1	4.3	3.5	3.9	3.8	3.7
170.5°	3.6	3.7	3.9	4.0	3.5	4.0	4.3	3.3	3.9	3.9	3.6
171°	3.6	3.7	3.8	4.0	3.5	3.9	4.2	3.4	3.7	3.8	3.6
171.5°	3.5	3.6	3.8	3.9	3.5	3.8	4.2	2.9	3.9	3.7	3.6
172°	3.5	3.6	3.7	3.8	3.6	3.4	4.0	3.1	3.9	3.7	3.5
172.5°	3.5	3.6	3.6	3.8	3.7	3.3	3.9	3.6	3.8	3.6	3.5
173°	3.4	3.5	3.6	3.7	3.7	3.3	3.7	3.6	3.7	3.5	3.4
173.5°	3.4	3.5	3.5	3.6	3.7	3.2	3.2	3.6	3.6	3.4	3.3
174°	3.4	3.4	3.5	3.6	3.6	3.1	2.7	3.5	3.4	3.3	3.3
174.5°	3.4	3.4	3.4	3.5	3.6	3.1	2.5	3.4	3.4	3.3	3.2
175°	3.4	3.4	3.4	3.4	3.5	3.0	3.0	3.4	3.3	3.2	3.2
175.5°	3.3	3.3	3.4	3.4	3.4	3.1	3.3	3.3	3.2	3.2	3.2
176°	3.3	3.3	3.3	3.3	3.3	3.0	3.3	3.2	3.1	3.2	3.1
176.5°	3.3	3.3	3.3	3.3	3.2	3.0	3.2	3.1	3.2	3.2	3.1
177°	3.2	3.2	3.2	3.0	3.0	3.1	3.2	3.2	3.2	3.1	3.1
177.5°	3.1	3.1	3.1	3.1	3.1	1.2	3.1	3.1	3.1	3.1	3.1
178°	3.1	3.1	3.1	3.1	3.2	1.8	3.2	3.1	3.1	3.1	3.1
178.5°	3.1	3.2	3.2	3.1	2.9	2.4	2.9	3.1	3.1	3.1	3.1



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8





TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1643.5	1643.5	1643.5	1643.5
0.5°	1643.2	1643.1	1643.1	1643.1
1°	1642.8	1642.9	1642.8	1642.9
1.5°	1642.5	1642.6	1642.6	1642.9
2°	1641.1	1641.9	1642.5	1642.7
2.5°	1639.7	1640.1	1641.5	1642.0
3°	1638.5	1639.5	1640.8	1640.9
3.5°	1637.8	1639.3	1639.6	1639.8
4°	1636.6	1638.3	1638.4	1639.1
4.5°	1634.3	1636.2	1636.6	1637.3
5°	1633.0	1634.2	1635.6	1636.3
5.5°	1631.8	1632.4	1634.1	1635.2
6°	1629.2	1631.3	1632.2	1633.9
6.5°	1626.7	1628.2	1630.3	1632.2
7°	1625.4	1626.0	1629.0	1630.5
7.5°	1622.4	1624.4	1625.4	1628.3
8°	1619.2	1621.5	1624.2	1626.6
8.5°	1615.9	1618.5	1621.8	1623.5
9°	1613.3	1615.6	1618.8	1621.7
9.5°	1610.2	1612.7	1615.8	1618.8
10°	1606.3	1608.8	1613.0	1615.5
10.5°	1603.0	1606.4	1609.2	1612.5
11°	1599.2	1603.5	1606.9	1609.2
11.5°	1595.3	1599.6	1603.8	1605.6
12°	1591.6	1595.8	1600.5	1602.3
12.5°	1587.0	1591.7	1596.4	1599.2
13°	1582.4	1587.4	1592.5	1595.4
13.5°	1578.1	1583.1	1588.7	1591.1
14°	1573.4	1578.9	1584.1	1587.2
14.5°	1568.4	1575.0	1579.7	1583.2
15°	1563.4	1569.8	1575.1	1578.6
15.5°	1557.9	1564.5	1570.4	1574.4
16°	1552.5	1559.6	1566.2	1569.3
16.5°	1546.9	1554.1	1561.6	1563.7
17°	1541.6	1548.8	1556.0	1558.5
17.5°	1535.8	1543.4	1549.9	1554.1
18°	1530.1	1538.1	1544.6	1549.3
18.5°	1524.2	1532.6	1539.3	1543.3
19°	1517.6	1526.5	1533.6	1537.6
19.5°	1510.4	1520.4	1527.7	1531.8
20°	1503.9	1514.0	1521.4	1526.1
20.5°	1497.7	1507.2	1515.4	1520.2
21°	1491.3	1500.4	1508.7	1514.4



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
22.5°	1468.8	1479.9	1489.3	1494.2
23°	1461.3	1472.8	1482.0	1488.3
23.5°	1453.7	1465.2	1474.7	1480.8
24°	1445.9	1457.9	1467.6	1473.7
24.5°	1437.7	1450.3	1460.5	1466.9
25°	1429.8	1442.3	1453.1	1459.7
25.5°	1421.0	1434.7	1445.0	1451.8
26°	1413.4	1426.5	1437.3	1444.2
26.5°	1404.7	1418.3	1429.4	1436.2
27°	1396.1	1410.1	1421.0	1428.3
27.5°	1386.9	1402.2	1412.8	1420.4
28°	1378.1	1392.9	1404.7	1411.8
28.5°	1368.8	1384.2	1396.1	1403.5
29°	1359.0	1375.2	1387.5	1395.8
29.5°	1350.5	1365.9	1378.5	1387.2
30°	1341.1	1357.3	1369.6	1378.1
30.5°	1331.1	1347.7	1360.8	1369.4
31°	1320.9	1338.6	1351.7	1360.6
31.5°	1311.7	1328.4	1342.2	1351.4
32°	1301.4	1318.8	1332.5	1341.5
32.5°	1291.5	1309.0	1323.0	1332.0
33°	1281.5	1299.6	1313.2	1322.8
33.5°	1271.6	1290.1	1303.4	1313.0
34°	1260.6	1279.7	1293.5	1302.9
34.5°	1250.4	1269.0	1283.1	1292.5
35°	1240.0	1259.1	1273.4	1283.0
35.5°	1229.0	1248.4	1263.0	1273.0
36°	1218.1	1238.1	1252.5	1262.7
36.5°	1207.3	1227.2	1242.9	1252.0
37°	1196.5	1216.3	1232.5	1241.7
37.5°	1185.7	1205.5	1222.1	1231.6
38°	1174.4	1194.7	1210.6	1221.5
38.5°	1162.1	1183.8	1199.1	1210.2
39°	1150.3	1172.5	1187.7	1198.4
39.5°	1138.9	1160.9	1176.4	1186.9
40°	1127.4	1149.6	1165.8	1175.7
40.5°	1116.0	1138.3	1154.8	1165.1
41°	1103.9	1126.5	1143.0	1153.8
41.5°	1092.2	1114.4	1131.7	1142.0
42°	1079.8	1102.8	1120.0	1130.8
42.5°	1067.8	1091.1	1108.0	1119.5
43°	1055.7	1078.9	1096.2	1107.6
43.5°	1043.7	1066.8	1084.6	1095.2



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
45°	1006.6	1031.0	1048.5	1059.3
45.5°	994.5	1018.5	1035.9	1047.5
46°	981.9	1006.3	1023.7	1034.9
46.5°	969.5	993.9	1011.2	1022.0
47°	957.4	981.5	999.0	1009.5
47.5°	944.5	969.1	986.5	997.5
48°	932.1	955.9	973.7	985.4
48.5°	919.1	943.7	961.4	972.5
49°	906.6	931.2	948.9	960.4
49.5°	894.1	918.1	936.0	947.5
50°	881.0	905.3	923.1	934.8
50.5°	868.4	892.8	910.3	921.7
51°	856.2	879.7	897.7	909.0
51.5°	843.4	867.3	885.2	896.0
52°	830.2	854.2	871.7	883.5
52.5°	817.4	841.2	859.1	870.2
53°	804.5	828.4	845.8	857.2
53.5°	792.0	815.4	833.0	844.2
54°	779.2	802.4	819.9	831.2
54.5°	766.5	789.5	806.9	818.0
55°	753.9	776.7	793.8	804.5
55.5°	740.2	764.0	780.6	791.8
56°	727.4	750.1	767.2	778.3
56.5°	714.9	737.7	754.6	765.2
57°	702.3	724.6	741.3	752.5
57.5°	689.1	711.7	728.3	738.8
58°	676.3	698.0	714.6	725.3
58.5°	663.4	685.1	701.5	712.4
59°	651.2	672.0	688.4	698.9
59.5°	638.0	659.0	675.3	685.7
60°	625.2	645.8	662.1	672.1
60.5°	612.1	633.0	648.7	658.9
61°	599.8	620.0	635.3	645.6
61.5°	586.8	606.9	622.0	632.3
62°	574.2	593.9	608.8	618.9
62.5°	561.5	581.2	595.5	605.6
63°	549.1	567.9	582.2	592.2
63.5°	536.3	554.9	569.1	579.0
64°	523.4	542.0	555.7	565.5
64.5°	510.9	529.0	542.9	551.8
65°	498.8	515.8	529.6	538.2
65.5°	485.9	503.2	516.2	524.6
66°	474.0	490.6	503.0	510.9



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
67.5°	436.7	452.0	463.8	471.1
68°	424.2	438.9	450.5	458.1
68.5°	411.9	426.4	437.1	444.7
69°	400.1	413.3	424.4	431.4
69.5°	387.8	400.7	411.2	418.2
70°	375.6	388.3	398.4	404.9
70.5°	363.5	375.7	385.3	391.7
71°	351.7	363.1	372.5	378.8
71.5°	339.7	350.5	359.5	365.7
72°	327.8	338.2	346.6	352.8
72.5°	315.9	326.0	333.6	339.9
73°	304.3	313.5	321.1	326.7
73.5°	293.0	301.6	308.5	313.5
74°	281.4	289.2	296.0	301.0
74.5°	269.8	277.1	283.4	288.3
75°	258.5	264.8	270.7	275.6
75.5°	247.3	253.2	258.2	262.7
76°	236.5	241.3	246.5	250.3
76.5°	225.3	229.9	234.0	238.0
77°	214.6	218.1	222.1	225.8
77.5°	203.7	206.9	210.1	213.3
78°	193.2	195.3	198.4	201.6
78.5°	182.9	184.5	186.4	189.4
79°	172.7	173.6	175.1	177.6
79.5°	162.7	163.0	164.2	166.0
80°	153.3	152.9	153.5	155.0
80.5°	143.9	142.8	142.9	143.7
81°	134.6	132.7	132.2	132.7
81.5°	125.2	122.6	121.5	121.9
82°	115.9	112.5	110.9	111.4
82.5°	107.1	103.2	100.9	100.6
83°	98.4	94.2	91.5	91.1
83.5°	90.2	85.2	82.0	81.5
84°	82.3	76.6	72.9	72.4
84.5°	74.9	68.5	64.3	63.3
85°	67.5	60.8	56.2	55.1
85.5°	60.9	53.5	48.3	47.9
86°	54.5	46.6	41.1	40.7
86.5°	48.4	40.3	34.2	33.6
87°	42.7	34.2	28.0	26.4
87.5°	37.6	28.9	23.6	20.3
88°	32.8	24.2	19.2	14.7
88.5°	28.5	21.0	14.8	9.9



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
90°	18.2	11.4	4.2	3.1
90.5°	16.5	8.4	2.9	1.7
91°	14.7	6.9	2.0	0.3
91.5°	12.9	5.7	1.7	0.3
92°	11.1	5.0	1.4	0.2
92.5°	9.3	4.5	1.3	0.2
93°	8.5	4.1	1.2	0.2
93.5°	7.9	3.9	1.1	0.2
94°	7.4	3.6	1.0	0.2
94.5°	7.0	3.3	1.0	0.3
95°	6.7	3.2	1.0	0.4
95.5°	6.3	3.2	1.0	0.4
96°	5.9	3.2	1.0	0.5
96.5°	5.7	3.1	1.0	0.5
97°	5.5	3.1	0.9	0.6
97.5°	5.4	3.0	0.9	0.7
98°	5.4	2.8	0.9	0.7
98.5°	5.4	2.7	0.9	0.8
99°	5.3	2.6	0.9	0.8
99.5°	5.3	2.6	1.0	0.9
100°	5.2	2.5	1.1	1.0
100.5°	5.0	2.5	1.1	1.1
101°	4.9	2.5	1.2	1.3
101.5°	4.7	2.5	1.3	1.3
102°	4.5	2.5	1.3	1.4
102.5°	4.4	2.4	1.4	1.5
103°	4.2	2.3	1.5	1.6
103.5°	4.1	2.2	1.5	1.7
104°	4.0	2.1	1.6	1.7
104.5°	3.9	2.0	1.6	1.7
105°	3.8	2.0	1.7	1.7
105.5°	3.8	1.9	1.7	1.7
106°	3.7	1.9	1.9	1.7
106.5°	3.6	1.8	2.2	1.7
107°	3.4	1.7	2.3	1.7
107.5°	3.3	1.7	2.1	1.7
108°	3.2	1.7	2.1	1.7
108.5°	3.0	1.7	2.2	1.7
109°	2.9	1.7	2.1	1.7
109.5°	2.8	1.7	2.0	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: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**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	1.9	2.1	1.9
114°	2.1	2.0	2.1	1.9
114.5°	2.1	2.0	2.2	1.9
115°	2.0	2.1	2.2	1.9
115.5°	2.0	2.1	2.2	1.9
116°	2.0	2.2	2.2	1.9
116.5°	2.0	2.2	2.2	1.9
117°	2.1	2.3	2.2	1.9
117.5°	2.1	2.5	2.2	1.9
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°	2.3	2.7	2.3	2.0
120°	2.4	2.7	2.3	2.0
120.5°	2.4	2.7	2.3	2.1
121°	2.5	2.7	2.3	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°	2.5	2.6	2.4	2.2
123.5°	2.5	2.6	2.4	2.2
124°	2.6	2.5	2.4	2.2
124.5°	2.7	2.5	2.5	2.2
125°	2.8	2.5	2.5	2.2
125.5°	2.9	2.6	2.5	2.2
126°	3.0	2.8	2.5	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	2.9	2.6	2.3
128°	3.5	3.0	2.6	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	2.7	2.4
130°	3.4	3.0	2.7	2.4
130.5°	3.4	2.9	2.6	2.4
131°	3.3	2.9	2.4	2.5
131.5°	3.2	2.9	2.4	2.5
132°	3.1	2.9	2.5	2.5
132.5°	3.1	3.0	2.6	2.5
133°	3.0	3.0	2.7	2.5
133.5°	3.0	2.9	2.8	2.5



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
135°	3.0	2.9	2.7	2.6
135.5°	3.0	2.9	2.7	2.6
136°	3.1	2.9	2.7	2.5
136.5°	3.1	2.9	2.7	2.5
137°	3.1	2.9	2.7	2.5
137.5°	3.1	2.8	2.6	2.5
138°	3.1	2.9	2.6	2.6
138.5°	3.1	2.9	2.6	2.6
139°	3.1	2.9	2.6	2.6
139.5°	3.1	3.0	2.6	2.6
140°	3.1	3.0	2.7	2.6
140.5°	3.1	3.0	2.8	2.6
141°	3.1	3.0	2.8	2.6
141.5°	3.1	3.0	2.8	2.6
142°	3.1	3.0	2.7	2.6
142.5°	3.1	3.1	2.7	2.6
143°	3.1	3.1	2.7	2.6
143.5°	3.2	3.1	2.7	2.6
144°	3.2	3.1	2.7	2.6
144.5°	3.2	3.1	2.7	2.6
145°	3.2	3.1	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°	3.2	3.2	2.7	2.6
147.5°	3.2	3.2	2.7	2.6
148°	3.3	3.2	2.7	2.6
148.5°	3.3	3.2	2.7	2.6
149°	3.3	3.2	2.7	2.5
149.5°	3.3	3.2	2.7	2.5
150°	3.3	3.3	2.7	2.5
150.5°	3.3	3.3	2.7	2.5
151°	3.3	3.3	2.6	2.4
151.5°	3.4	3.3	2.6	2.3
152°	3.4	3.2	2.6	2.3
152.5°	3.4	3.2	2.6	2.3
153°	3.4	3.1	2.5	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	3.0	2.3	1.9
155°	3.4	3.0	2.2	1.9
155.5°	3.4	2.8	2.1	1.9
156°	3.4	2.8	2.0	1.8



TEST NUMBER: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**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	2.6	1.9	1.7
159°	3.5	2.6	1.9	1.7
159.5°	3.5	2.6	1.9	1.7
160°	3.5	2.6	1.8	1.7
160.5°	3.6	2.6	1.8	1.7
161°	3.6	2.6	1.8	1.7
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	1.9	1.8	1.9
167.5°	3.1	2.2	1.8	1.9
168°	3.4	2.4	1.9	1.9
168.5°	3.1	2.4	1.9	1.9
169°	3.1	2.4	2.0	1.9
169.5°	3.2	2.6	2.1	2.0
170°	3.0	2.6	2.4	2.0
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°	3.2	3.0	2.9	2.6
172.5°	3.3	3.0	2.9	2.8
173°	3.2	3.0	2.9	2.8
173.5°	3.2	3.1	2.9	2.8
174°	3.2	3.1	3.0	2.9
174.5°	3.1	3.1	3.0	2.9
175°	3.1	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: P563565

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
180°	2.8	2.8	2.8	2.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	1508.1	1511.7	1511.3	1508.5	1503.0	1496.5	1489.5	1483.7	1478.8	1476.3	1475.4
22°	1500.9	1504.8	1504.8	1501.5	1496.1	1489.3	1481.6	1475.7	1471.2	1467.9	1467.2



44°	1083.4	1087.3	1082.3	1070.8	1052.2	1029.4	1006.2	986.3	971.7	964.4	965.4
44.5°	1071.4	1074.7	1070.5	1058.4	1039.8	1016.5	993.8	973.6	958.9	951.8	951.8





66.5°	497.5	502.2	501.0	494.0	482.7	467.0	452.6	439.9	430.7	425.3	423.9
67°	484.2	488.5	488.1	481.7	470.4	455.6	442.0	429.4	420.1	415.0	414.0



89°	6.1	12.0	22.8	35.3	47.0	55.1	61.6	65.4	66.8	66.2	63.8
89.5°	4.6	8.4	18.8	30.8	42.3	51.0	57.5	60.8	62.3	61.8	59.4



111.5°	1.8	1.8	1.5	1.3	1.8	2.7	3.9	5.1	6.0	6.2	6.0
112°	1.8	1.8	1.5	1.3	1.7	2.6	3.7	4.9	5.7	5.9	5.7



134°	2.5	2.6	2.6	3.1	3.1	2.8	2.8	2.8	2.9	3.0	3.1
134.5°	2.6	2.6	2.6	3.1	3.2	2.8	2.8	2.9	2.9	3.0	3.1



156.5°	1.7	2.7	3.1	3.1	3.1	3.1	3.3	3.6	3.8	3.9	4.0
157°	1.7	2.6	3.1	3.1	3.1	3.1	3.2	3.5	3.7	3.8	3.9



179°	3.0	3.0	2.8	2.6	2.4	2.3	2.5	2.7	2.9	3.1	3.0
179.5°	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.9	2.9





21.5°	1476.8	1480.6	1484.1	1488.5	1492.6	1494.4	1494.5	1492.6	1488.0	1481.1	1472.2
22°	1468.6	1472.2	1476.7	1481.5	1486.0	1487.4	1487.7	1485.9	1480.8	1473.7	1464.6





44°	972.5	987.0	1005.7	1023.2	1038.9	1050.2	1054.6	1052.7	1045.1	1031.0	1010.4
44.5°	960.0	974.7	993.0	1010.2	1026.4	1037.7	1041.6	1040.8	1033.2	1018.6	997.7



66.5°	426.9	433.5	442.3	451.4	459.3	464.6	463.4	462.5	456.9	448.7	436.9
67°	416.8	422.7	431.1	439.4	446.6	450.8	450.6	449.3	443.9	435.9	424.7



89°	59.5	53.5	45.9	35.0	23.5	12.6	5.1	0.8	4.2	11.7	19.1
89.5°	55.6	49.7	41.6	31.2	20.2	10.1	4.0	0.7	3.1	8.7	17.3



111.5°	5.2	4.1	3.0	2.2	2.3	2.7	3.4	3.1	3.5	2.6	3.0
112°	5.0	3.9	2.9	2.2	2.3	2.9	3.4	3.1	3.6	2.7	3.0



134°	3.3	3.7	4.3	5.3	5.4	4.2	3.7	3.5	4.3	4.6	4.2
134.5°	3.4	3.8	4.4	5.4	5.3	4.2	3.7	3.5	4.3	4.6	4.2



156.5°	3.9	3.7	3.6	3.7	3.7	3.5	3.3	2.9	3.0	3.5	3.8
157°	3.8	3.6	3.6	3.7	3.6	3.4	3.1	2.9	3.0	3.4	3.8



179°	2.9	2.7	2.6	2.6	2.7	2.7	2.8	2.8	2.9	2.9	3.0
179.5°	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6







21.5°	1462.6	1452.3	1443.9	1436.8	1433.3	1432.5	1434.5	1440.8	1449.7	1461.2	1472.8
22°	1454.9	1443.7	1434.7	1428.5	1424.7	1423.0	1425.9	1431.5	1441.0	1452.6	1464.8



44°	987.4	962.0	939.5	921.5	910.5	907.6	913.3	927.6	949.3	975.6	1004.8
44.5°	975.1	948.9	926.6	908.8	897.3	894.4	900.4	915.0	936.7	963.2	991.8



66.5°	423.8	410.3	398.7	389.9	384.8	384.4	388.2	396.7	409.2	425.3	443.1
67°	411.9	399.0	388.1	379.9	375.1	374.6	378.0	386.6	398.6	413.9	431.3



89°	27.9	35.8	42.0	46.6	49.5	50.7	50.5	48.7	45.3	40.0	32.9
89.5°	24.9	32.5	38.7	43.2	46.1	47.3	47.0	45.2	41.6	36.3	29.3



111.5°	4.8	6.9	8.5	9.5	10.2	10.5	10.2	9.3	7.8	6.2	4.3
112°	4.7	6.7	8.3	9.3	10.0	10.3	10.0	9.1	7.6	6.1	4.1



134°	3.9	3.4	3.0	2.8	2.6	2.6	2.6	2.7	2.7	3.0	3.3
134.5°	4.0	3.4	3.0	2.8	2.7	2.6	2.7	2.7	2.8	3.0	3.4



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



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







21.5°	1483.9	1494.1	1502.1	1508.1
22°	1476.1	1487.7	1496.1	1500.9



44°	1031.5	1055.2	1072.1	1083.4
44.5°	1019.9	1042.8	1060.4	1071.4



66.5°	461.2	477.6	489.9	497.5
67°	448.8	464.8	477.1	484.2



89°	24.7	17.8	10.4	6.1
89.5°	21.2	14.6	6.2	4.6



111.5°	2.5	1.8	2.0	1.8
112°	2.4	1.8	2.0	1.8



134°	3.0	2.9	2.8	2.5
134.5°	3.0	2.9	2.7	2.6



156.5°	3.5	2.7	1.9	1.7
157°	3.5	2.7	1.9	1.7





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



(END OF REPORT)