

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: P563566

Luminaire Tested: **4NWS3C3MS-UNV-MED-5000K**

Issue Date: 7/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563566  
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-5000K  
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND MED LUMEN SETTING  
Light Source: -  
Ballast/Driver:

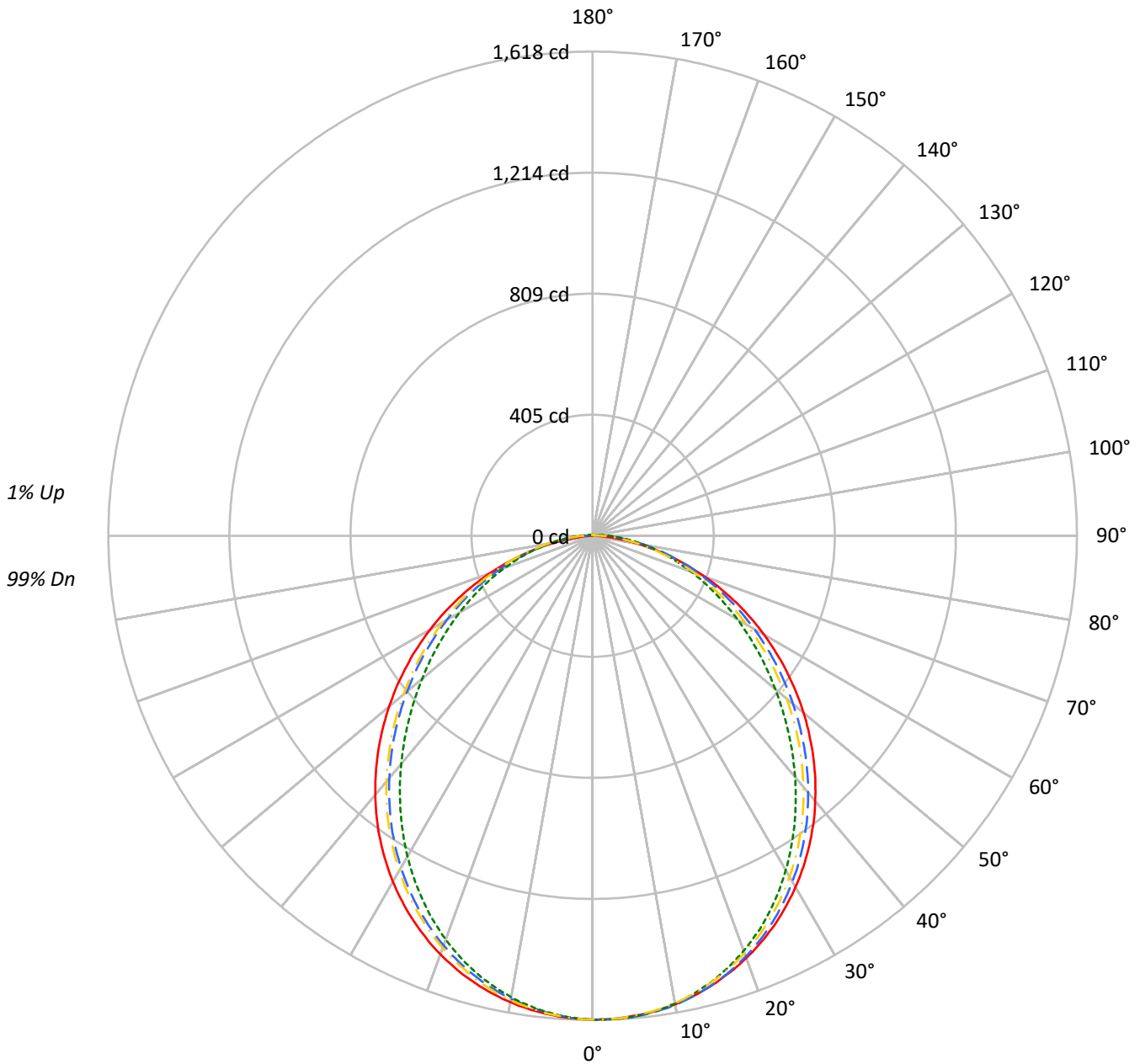
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4216.0 lumens  
Efficiency: N/A  
Efficacy: 129.7 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): 32.5  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20				20
RC	80				70				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°	9829	9829	9829	9829
5°	9805	9681	9788	9610
10°	9775	9487	9733	9357
15°	9720	9238	9654	9048
20°	9640	8935	9554	8693
25°	9540	8583	9420	8282
30°	9404	8172	9255	7834
35°	9233	7712	9054	7340
40°	9021	7213	8811	6819
45°	8777	6687	8525	6281
50°	8487	6153	8189	5747
55°	8147	5642	7801	5224
60°	7760	5133	7353	4710
65°	7293	4613	6812	4190
70°	6699	4095	6124	3650
75°	5911	3554	5190	3073
80°	4776	2972	3887	2467
85°	3055	2374	1962	1886



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.6	3.6
10°-20°	433.2	10.3
20°-30°	643.3	15.3
30°-40°	749.9	17.8
40°-50°	742.4	17.6
50°-60°	637.5	15.1
60°-70°	466.6	11.1
70°-80°	264.9	6.3
80°-90°	88.2	2.1
90°-100°	16.0	0.4
100°-110°	6.7	0.2
110°-120°	4.0	0.1
120°-130°	2.8	0.1
130°-140°	2.6	0.1
140°-150°	2.4	0.1
150°-160°	1.6	0.0
160°-170°	0.9	0.0
170°-180°	0.3	0.0
0°-30°	1229.1	29.2
0°-40°	1979.0	46.9
0°-60°	3358.9	79.7
0°-90°	4178.6	99.1
90°-120°	26.8	0.6
90°-150°	34.5	0.8
90°-180°	37.0	0.9
0°-180°	4216.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1617	1617	1617	1617	1617	
5°	1610	1613	1607	1601	1610	153
15°	1553	1542	1543	1510	1553	438
25°	1436	1392	1418	1343	1436	661
35°	1262	1176	1238	1119	1262	789
45°	1042	924	1012	868	1042	804
55°	792	675	758	625	792	708
65°	530	450	495	408	530	524
75°	271	257	238	222	271	287
85°	54	107	35	85	54	65
90°	3	57	1	43	3	3
95°	0	27	1	23	0	0
105°	2	10	2	13	2	2
115°	2	4	3	9	2	2
125°	2	2	3	5	2	2
135°	2	3	3	3	2	2
145°	3	4	3	4	3	2
155°	2	4	3	4	2	1
165°	2	3	3	4	2	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0
0.5°	1616.6	1616.7	1616.8	1617.0	1617.1	1617.2	1617.3	1617.4	1617.4	1617.4	1617.4
1°	1616.5	1616.6	1616.9	1617.2	1617.5	1617.5	1617.6	1617.6	1617.0	1616.5	1616.9
1.5°	1616.5	1617.1	1617.2	1616.7	1616.4	1616.6	1617.2	1617.6	1617.1	1617.8	1618.0
2°	1616.2	1616.7	1616.7	1616.7	1617.0	1617.5	1617.8	1617.8	1617.0	1617.1	1617.4
2.5°	1615.6	1616.0	1616.1	1616.2	1616.3	1615.7	1616.0	1615.8	1617.4	1616.5	1615.8
3°	1614.5	1614.8	1615.5	1615.8	1616.2	1616.3	1616.7	1616.9	1616.4	1616.2	1616.3
3.5°	1613.4	1614.2	1614.8	1616.1	1615.6	1615.9	1616.0	1615.5	1616.0	1614.9	1614.5
4°	1612.7	1614.1	1613.7	1615.2	1614.8	1615.1	1615.0	1614.7	1613.9	1615.6	1614.1
4.5°	1611.0	1612.3	1612.7	1613.7	1614.5	1614.4	1613.7	1614.5	1613.8	1613.9	1612.4
5°	1609.9	1611.2	1611.7	1612.3	1613.2	1613.2	1611.7	1612.3	1612.7	1612.7	1611.3
5.5°	1608.9	1610.1	1610.7	1611.0	1611.5	1611.0	1610.5	1610.5	1611.2	1610.9	1609.3
6°	1607.6	1608.7	1609.0	1609.8	1610.6	1609.8	1609.4	1609.0	1609.1	1608.7	1607.0
6.5°	1605.9	1607.2	1607.5	1608.0	1608.9	1608.2	1608.4	1607.2	1607.2	1607.1	1605.4
7°	1604.3	1605.0	1606.4	1606.0	1606.1	1605.1	1606.5	1605.0	1604.8	1604.7	1603.4
7.5°	1602.0	1602.9	1604.0	1604.9	1604.7	1604.0	1603.5	1602.9	1602.3	1601.1	1601.1
8°	1600.4	1600.4	1602.2	1602.4	1602.3	1601.7	1601.1	1600.7	1600.1	1599.3	1598.8
8.5°	1597.3	1597.7	1600.1	1599.7	1600.1	1599.6	1598.7	1598.0	1597.0	1596.4	1595.2
9°	1595.6	1597.0	1597.2	1597.8	1597.9	1597.2	1595.5	1595.3	1594.1	1594.5	1592.2
9.5°	1592.7	1594.1	1595.3	1594.9	1595.2	1593.8	1592.0	1592.0	1591.2	1589.6	1589.0
10°	1589.5	1591.3	1592.3	1592.3	1592.1	1591.0	1589.2	1588.1	1587.6	1587.9	1586.3
10.5°	1586.6	1588.1	1589.6	1589.7	1589.0	1587.8	1585.7	1584.6	1583.9	1583.7	1582.4
11°	1583.2	1584.3	1586.1	1586.3	1585.7	1584.9	1581.7	1581.3	1581.0	1579.9	1578.6
11.5°	1579.8	1581.9	1582.7	1583.1	1581.8	1581.3	1578.2	1577.8	1576.7	1576.0	1574.6
12°	1576.5	1578.4	1579.9	1580.0	1578.5	1577.2	1575.0	1573.7	1571.5	1571.9	1569.6
12.5°	1573.4	1574.9	1576.3	1576.4	1574.3	1573.5	1571.1	1569.4	1567.6	1567.1	1565.8
13°	1569.7	1571.7	1572.8	1572.3	1570.0	1569.6	1566.5	1565.2	1563.4	1561.8	1561.2
13.5°	1565.5	1568.0	1569.1	1568.7	1566.2	1565.3	1561.3	1560.1	1558.6	1556.8	1555.3
14°	1561.6	1563.9	1564.9	1565.0	1561.9	1560.1	1557.3	1555.3	1553.6	1551.5	1550.8
14.5°	1557.7	1559.9	1560.8	1560.8	1557.1	1555.9	1553.1	1550.2	1547.6	1547.0	1544.9
15°	1553.2	1555.8	1556.4	1556.0	1553.2	1551.3	1547.7	1545.0	1542.6	1541.8	1540.5
15.5°	1549.0	1551.5	1551.6	1550.9	1548.9	1546.5	1541.8	1540.1	1537.0	1536.3	1534.3
16°	1544.0	1547.1	1547.5	1546.4	1543.5	1541.0	1536.8	1534.3	1531.8	1529.9	1528.2
16.5°	1538.5	1542.3	1543.1	1541.9	1538.4	1535.6	1531.1	1528.1	1525.7	1523.3	1522.7
17°	1533.4	1537.6	1537.6	1537.0	1533.8	1530.2	1525.6	1522.0	1519.2	1517.9	1517.1
17.5°	1529.1	1532.2	1532.6	1531.5	1528.3	1524.3	1518.8	1515.9	1512.4	1511.7	1509.9
18°	1524.4	1526.8	1527.6	1526.1	1522.4	1518.6	1513.2	1509.6	1506.1	1504.3	1503.6
18.5°	1518.4	1522.3	1522.7	1520.9	1516.9	1512.7	1506.8	1502.8	1500.0	1497.5	1496.7
19°	1512.8	1517.0	1517.4	1515.0	1511.2	1506.3	1500.9	1496.1	1492.6	1490.4	1490.1
19.5°	1507.1	1510.9	1511.1	1509.1	1504.8	1499.6	1493.8	1489.4	1485.2	1484.2	1481.7
20°	1501.5	1505.0	1504.9	1503.1	1498.7	1493.0	1486.5	1482.0	1478.2	1475.5	1474.9
20.5°	1495.7	1499.3	1499.2	1496.9	1492.4	1486.7	1479.5	1474.5	1471.0	1468.3	1467.0
21°	1490.0	1493.5	1493.2	1490.6	1485.3	1479.6	1472.8	1467.0	1463.5	1460.1	1459.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1470.2	1473.9	1474.2	1470.6	1465.1	1458.1	1450.2	1443.9	1439.1	1436.5	1434.8
23°	1464.3	1467.5	1467.1	1463.7	1458.1	1450.9	1442.5	1435.7	1430.6	1428.8	1426.8
23.5°	1456.9	1460.8	1460.4	1456.7	1450.8	1442.9	1434.7	1427.1	1421.9	1419.3	1417.9
24°	1449.9	1454.0	1453.7	1449.3	1443.1	1435.2	1425.9	1418.6	1413.2	1410.6	1409.4
24.5°	1443.3	1446.8	1446.3	1442.2	1435.1	1427.0	1418.6	1410.5	1404.3	1401.4	1399.9
25°	1436.2	1440.0	1438.8	1434.7	1427.7	1418.8	1410.0	1401.6	1395.2	1391.6	1391.0
25.5°	1428.5	1432.3	1431.5	1427.0	1420.4	1410.6	1401.0	1392.5	1386.3	1382.8	1381.3
26°	1421.0	1424.1	1423.8	1418.6	1412.3	1401.8	1391.8	1382.9	1376.3	1372.4	1372.2
26.5°	1413.1	1416.9	1415.2	1411.3	1403.2	1393.1	1382.5	1373.7	1366.9	1363.4	1362.0
27°	1405.3	1409.6	1407.5	1402.6	1394.6	1384.5	1373.6	1364.3	1357.3	1352.8	1352.8
27.5°	1397.5	1401.6	1400.1	1394.1	1386.2	1375.2	1365.2	1354.5	1346.6	1343.6	1342.6
28°	1389.1	1393.5	1392.1	1386.1	1377.5	1366.2	1354.4	1345.0	1337.0	1333.1	1331.9
28.5°	1380.9	1385.2	1383.8	1377.9	1369.1	1357.3	1345.1	1335.2	1326.2	1321.8	1321.3
29°	1373.3	1377.1	1375.4	1369.0	1359.5	1347.7	1335.7	1324.8	1317.0	1312.4	1311.2
29.5°	1364.9	1368.8	1366.6	1360.6	1350.5	1338.3	1326.2	1314.5	1305.3	1301.5	1301.5
30°	1355.9	1359.4	1357.9	1351.0	1341.2	1328.4	1315.5	1304.2	1295.1	1290.4	1290.8
30.5°	1347.4	1350.8	1349.0	1342.6	1331.8	1318.3	1305.4	1293.6	1283.3	1279.8	1279.0
31°	1338.7	1342.5	1339.8	1333.5	1322.8	1308.8	1294.7	1282.8	1273.6	1268.9	1267.7
31.5°	1329.7	1333.7	1331.0	1323.7	1313.2	1299.1	1284.2	1271.7	1262.4	1257.4	1256.3
32°	1319.9	1323.7	1321.4	1313.8	1302.9	1288.3	1273.9	1261.1	1251.2	1245.8	1245.4
32.5°	1310.5	1314.3	1312.1	1303.9	1292.8	1277.9	1263.3	1250.3	1240.7	1234.4	1234.2
33°	1301.5	1305.3	1302.4	1295.0	1282.8	1267.9	1252.8	1238.9	1229.0	1223.2	1223.0
33.5°	1291.9	1295.6	1292.9	1285.3	1273.0	1257.4	1241.9	1227.9	1217.0	1211.3	1211.0
34°	1281.9	1286.3	1283.1	1274.9	1262.8	1246.3	1230.2	1216.2	1205.5	1199.4	1199.3
34.5°	1271.7	1276.3	1273.3	1264.9	1252.5	1235.6	1219.0	1204.0	1193.4	1187.9	1187.2
35°	1262.3	1266.5	1263.7	1254.9	1241.6	1224.7	1208.0	1192.5	1181.1	1175.8	1175.6
35.5°	1252.6	1256.3	1253.9	1244.8	1230.7	1213.5	1196.4	1181.0	1169.2	1163.9	1163.6
36°	1242.4	1246.8	1242.9	1234.4	1220.3	1202.4	1185.0	1169.2	1157.0	1151.9	1151.4
36.5°	1231.9	1235.9	1232.7	1223.3	1209.9	1191.5	1173.5	1157.1	1145.1	1139.0	1139.6
37°	1221.7	1225.3	1222.3	1212.9	1198.7	1180.4	1162.1	1145.5	1132.3	1126.8	1127.2
37.5°	1211.8	1214.8	1211.7	1202.4	1187.5	1168.9	1150.0	1133.3	1120.5	1114.5	1114.7
38°	1201.9	1204.3	1201.5	1191.1	1176.4	1157.3	1138.0	1121.1	1108.5	1101.8	1101.7
38.5°	1190.7	1193.7	1189.8	1180.2	1164.9	1145.7	1126.1	1108.7	1096.1	1090.1	1089.6
39°	1179.1	1183.0	1179.2	1169.1	1153.6	1134.2	1114.3	1096.4	1084.0	1077.1	1076.6
39.5°	1167.8	1172.5	1168.3	1158.1	1141.9	1121.9	1102.4	1084.1	1070.8	1064.9	1064.8
40°	1156.7	1161.1	1157.5	1146.3	1130.5	1109.8	1089.6	1071.9	1058.2	1052.0	1052.1
40.5°	1146.3	1149.8	1146.4	1135.3	1118.8	1098.2	1077.4	1059.2	1045.3	1039.2	1038.8
41°	1135.2	1138.5	1135.0	1123.7	1107.1	1085.9	1065.2	1046.9	1032.8	1026.7	1025.9
41.5°	1123.6	1127.1	1123.2	1112.5	1095.4	1074.0	1052.6	1033.9	1019.4	1013.5	1013.4
42°	1112.6	1116.3	1112.1	1100.3	1083.8	1062.2	1040.9	1021.5	1007.4	1001.4	1000.5
42.5°	1101.5	1104.8	1100.4	1089.3	1071.1	1049.8	1028.3	1009.1	994.7	988.2	987.7
43°	1089.8	1093.1	1088.9	1076.7	1059.2	1037.3	1015.7	996.2	981.9	975.7	975.1
43.5°	1077.6	1081.6	1077.0	1065.5	1047.8	1025.2	1003.0	983.5	968.9	962.4	962.4



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	1042.2	1045.9	1041.2	1029.0	1011.3	987.9	965.4	945.3	930.4	923.8	923.6
45.5°	1030.7	1034.0	1029.1	1016.7	998.4	975.4	952.8	932.5	918.0	910.7	910.8
46°	1018.2	1022.0	1017.3	1004.6	986.0	962.7	939.7	919.8	905.7	897.5	898.3
46.5°	1005.6	1009.4	1004.8	992.3	973.5	950.1	926.8	907.0	892.1	885.5	885.6
47°	993.3	997.6	993.3	980.0	961.4	937.5	914.2	894.1	879.1	872.7	872.4
47.5°	981.5	985.1	980.8	968.3	949.2	925.0	902.0	880.9	866.5	859.9	859.5
48°	969.5	973.0	968.2	956.0	936.9	912.3	889.2	868.5	854.2	846.7	847.4
48.5°	956.8	960.1	955.5	943.2	924.1	899.8	876.9	855.9	841.0	834.5	834.7
49°	944.9	948.7	943.0	930.1	911.5	887.3	863.9	843.4	828.6	821.5	821.5
49.5°	932.3	935.7	931.5	918.1	898.6	874.5	851.5	830.7	815.8	808.9	809.3
50°	919.7	923.5	918.5	905.8	885.9	861.7	839.0	818.0	803.9	796.1	796.5
50.5°	906.8	910.8	906.0	893.5	873.6	849.3	826.2	805.3	790.6	783.8	783.6
51°	894.4	898.2	893.0	880.1	861.1	836.6	813.7	793.2	778.9	771.2	770.9
51.5°	881.6	885.5	880.4	867.9	848.5	824.0	800.7	780.5	765.8	759.8	759.1
52°	869.3	873.1	868.2	855.1	835.7	811.8	788.6	768.5	753.9	746.6	746.8
52.5°	856.1	859.9	854.7	842.3	822.9	798.7	776.0	756.0	741.9	734.8	734.6
53°	843.4	847.3	842.4	829.4	810.1	786.1	763.4	743.7	729.7	722.2	721.9
53.5°	830.6	834.2	829.4	816.8	797.3	773.7	751.1	731.5	716.6	710.6	709.7
54°	817.9	821.2	816.8	804.4	784.9	761.0	738.8	719.1	705.0	697.9	698.2
54.5°	804.8	808.7	803.6	791.4	772.6	748.4	726.0	706.7	692.6	686.0	686.0
55°	791.6	795.8	791.2	778.7	759.4	735.7	713.7	694.5	681.0	675.0	673.6
55.5°	779.0	782.8	778.0	766.1	747.3	723.6	701.4	682.1	668.6	662.5	661.5
56°	765.7	769.6	765.4	753.2	734.6	711.6	689.7	670.1	657.0	650.5	650.0
56.5°	752.9	756.9	752.4	740.5	722.1	699.0	677.2	658.4	645.3	638.8	638.4
57°	740.4	743.7	739.3	727.5	709.1	686.5	665.0	646.5	633.2	627.3	626.6
57.5°	726.9	731.2	725.9	715.0	697.0	674.5	653.0	634.5	621.9	615.6	614.8
58°	713.7	717.7	713.9	701.7	683.6	662.2	641.1	623.0	610.2	603.6	603.7
58.5°	700.9	704.7	700.4	689.3	671.4	649.6	628.9	611.0	598.7	592.4	592.0
59°	687.6	692.1	687.5	676.5	659.0	637.4	616.9	599.2	587.6	581.6	580.5
59.5°	674.7	678.5	674.5	663.8	646.5	625.2	605.2	588.2	576.3	570.7	568.7
60°	661.3	665.5	661.9	650.9	633.8	613.1	593.2	576.9	565.0	559.3	557.5
60.5°	648.3	652.1	648.7	638.3	622.1	601.1	582.1	565.8	553.7	547.8	546.3
61°	635.2	638.8	635.7	625.7	609.7	589.4	567.4	554.2	542.3	536.4	535.1
61.5°	622.2	626.4	622.4	612.3	596.9	577.1	555.5	542.5	530.9	524.9	523.9
62°	608.9	613.3	610.1	600.1	584.0	564.8	544.7	531.1	519.5	513.5	512.7
62.5°	595.8	599.8	597.2	587.7	572.2	552.9	533.8	519.6	508.1	502.3	501.5
63°	582.7	586.9	584.0	575.0	559.8	541.1	522.9	508.2	497.4	491.8	490.9
63.5°	569.7	573.5	571.1	561.8	547.4	529.2	512.2	497.2	486.7	481.2	480.4
64°	556.4	560.2	557.6	550.5	535.0	517.4	500.5	486.5	476.1	470.6	469.6
64.5°	542.9	547.0	544.7	546.4	523.0	505.6	489.6	475.5	465.4	459.9	458.8
65°	529.6	533.7	531.8	531.2	511.6	493.8	478.5	464.7	454.8	449.7	448.4
65.5°	516.1	520.4	518.8	516.1	499.3	482.1	467.1	454.0	444.4	439.0	437.8
66°	502.7	507.1	505.9	501.0	486.9	470.7	456.1	443.3	434.1	428.8	427.8





TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	463.6	467.7	467.2	461.4	450.9	437.0	423.6	412.3	403.4	398.3	397.0
68°	450.7	454.9	454.3	449.2	439.0	425.7	412.8	401.8	393.5	388.5	387.2
68.5°	437.5	441.9	442.0	436.4	427.2	414.4	402.3	391.5	383.6	378.9	376.7
69°	424.4	429.0	429.3	424.9	415.6	403.1	391.8	381.4	373.2	368.9	367.3
69.5°	411.5	416.4	416.6	412.6	404.3	392.2	381.2	371.1	363.4	358.9	357.4
70°	398.4	403.4	404.1	400.6	392.6	381.4	370.8	361.0	353.7	349.1	347.5
70.5°	385.4	390.4	391.5	388.3	381.5	370.7	360.6	351.3	344.2	339.7	337.8
71°	372.7	377.3	379.1	376.5	369.8	359.8	350.2	341.4	334.7	330.3	328.5
71.5°	359.8	364.8	366.3	364.3	358.5	349.1	340.2	331.8	324.9	320.8	319.2
72°	347.2	352.0	354.2	352.3	347.2	338.4	329.8	322.0	315.4	311.2	309.6
72.5°	334.4	339.2	341.9	340.6	335.7	327.6	320.0	312.1	306.1	302.4	300.2
73°	321.4	326.7	329.9	329.1	324.9	317.1	309.8	302.6	296.9	293.0	290.8
73.5°	308.4	314.2	317.4	317.4	313.7	307.3	300.0	293.2	287.6	283.9	281.8
74°	296.1	301.3	305.3	306.0	302.8	296.8	290.3	283.8	278.7	274.8	272.7
74.5°	283.6	289.2	293.2	294.2	292.0	286.3	280.7	274.6	269.6	266.0	264.2
75°	271.2	276.8	281.3	282.7	281.2	276.2	271.0	265.5	260.7	257.2	255.1
75.5°	258.5	264.8	269.3	271.4	270.5	266.2	261.5	256.3	251.7	248.6	246.4
76°	246.3	252.3	257.5	260.4	259.6	256.1	252.2	247.4	243.1	239.9	237.5
76.5°	234.2	240.5	245.8	249.1	249.3	246.4	242.7	238.4	234.5	231.5	229.0
77°	222.1	228.2	234.3	238.0	239.0	236.7	233.6	229.5	225.9	222.8	220.4
77.5°	209.9	216.5	222.9	227.0	228.7	227.2	224.5	220.9	217.4	214.7	212.1
78°	198.3	204.8	211.3	216.5	218.5	217.8	215.6	212.4	209.4	206.5	204.1
78.5°	186.4	193.3	200.1	205.8	208.5	208.3	206.5	203.9	201.3	198.4	196.0
79°	174.7	181.8	189.2	195.3	198.6	198.9	198.0	195.6	193.1	190.4	188.0
79.5°	163.3	170.2	178.2	184.9	188.9	189.8	189.5	187.4	185.2	182.8	180.2
80°	152.5	159.2	167.3	174.8	179.3	180.9	180.8	179.4	177.4	175.2	172.5
80.5°	141.4	148.4	156.9	164.7	169.9	172.1	172.5	171.5	169.8	167.4	165.0
81°	130.5	137.7	146.6	154.8	160.6	163.5	164.6	163.8	162.4	160.1	157.6
81.5°	119.9	127.1	136.5	145.0	151.6	154.9	156.6	156.3	155.1	153.1	150.4
82°	109.6	116.7	126.4	135.7	142.6	146.7	148.8	148.9	147.9	145.9	143.3
82.5°	98.9	106.8	116.9	126.4	133.9	138.7	141.1	141.6	140.8	138.8	136.2
83°	89.6	97.1	107.2	117.5	125.4	130.8	133.7	134.4	133.9	132.3	129.6
83.5°	80.2	87.7	98.1	108.8	117.3	122.9	126.5	127.6	127.5	125.7	123.1
84°	71.2	78.7	89.2	100.2	109.3	115.5	119.4	121.0	120.7	119.3	116.7
84.5°	62.3	69.9	80.8	92.0	101.5	108.3	112.4	114.4	114.4	113.0	110.5
85°	54.2	61.5	72.5	84.1	94.2	101.3	105.7	108.0	108.3	107.0	104.4
85.5°	47.1	54.0	64.8	76.7	86.9	94.5	99.3	101.8	102.2	101.0	98.5
86°	40.1	47.1	57.2	69.5	80.2	88.1	93.2	95.8	96.4	95.3	92.8
86.5°	33.0	40.3	51.2	62.6	73.5	81.8	87.1	90.1	90.9	89.8	87.4
87°	26.0	33.4	45.1	55.7	67.3	75.7	81.4	84.6	85.4	84.7	82.1
87.5°	19.9	26.6	39.1	50.4	61.2	70.0	75.8	79.2	80.2	79.4	77.0
88°	14.5	20.9	33.1	45.2	55.4	64.5	70.5	74.0	75.3	74.5	72.0
88.5°	9.7	16.0	27.1	39.9	50.8	59.1	65.3	69.1	70.4	69.7	67.4



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	3.1	5.7	15.0	26.2	37.1	46.1	52.7	55.8	57.3	56.6	55.0
90.5°	1.7	4.6	12.1	22.6	33.1	42.0	48.8	52.3	53.8	53.2	51.5
91°	0.3	3.6	9.7	19.4	29.5	38.0	44.8	48.7	50.3	49.9	48.0
91.5°	0.3	2.6	7.9	16.8	26.2	34.5	40.9	45.1	46.9	46.5	44.5
92°	0.2	1.6	6.4	14.4	23.3	31.3	37.4	41.5	43.4	43.1	41.0
92.5°	0.2	1.2	5.7	12.4	20.7	28.4	34.3	38.2	40.0	39.8	38.0
93°	0.2	1.0	5.0	10.7	18.4	25.7	31.5	35.2	37.1	37.0	35.1
93.5°	0.2	0.8	4.3	9.4	16.4	23.3	28.8	32.5	34.3	34.2	32.6
94°	0.2	0.7	3.7	8.3	14.7	21.1	26.4	30.0	31.8	31.8	30.2
94.5°	0.3	0.6	3.3	7.5	13.2	19.1	24.2	27.7	29.4	29.5	28.0
95°	0.4	0.5	3.0	6.8	11.9	17.4	22.2	25.6	27.3	27.3	25.9
95.5°	0.4	0.5	2.7	6.4	10.9	15.9	20.4	23.6	25.3	25.4	24.1
96°	0.5	0.6	2.4	5.9	10.0	14.6	18.8	21.8	23.4	23.5	22.3
96.5°	0.5	0.6	2.2	5.6	9.3	13.5	17.4	20.3	21.8	22.0	20.8
97°	0.6	0.7	2.0	5.2	8.8	12.6	16.2	18.9	20.4	20.5	19.5
97.5°	0.7	0.7	1.8	4.8	8.3	11.8	15.1	17.6	19.0	19.2	18.3
98°	0.7	0.7	1.6	4.4	7.9	11.1	14.2	16.5	17.9	18.1	17.2
98.5°	0.8	0.7	1.5	4.1	7.4	10.6	13.4	15.6	16.8	17.1	16.3
99°	0.8	0.8	1.4	3.9	7.0	10.2	12.7	14.8	16.0	16.2	15.5
99.5°	0.9	0.9	1.3	3.6	6.6	9.7	12.2	14.1	15.2	15.4	14.8
100°	1.0	0.9	1.2	3.4	6.3	9.2	11.7	13.5	14.6	14.8	14.2
100.5°	1.1	1.0	1.2	3.1	6.0	8.8	11.2	13.0	14.0	14.2	13.7
101°	1.2	1.1	1.2	2.9	5.6	8.4	10.7	12.5	13.5	13.7	13.2
101.5°	1.3	1.1	1.2	2.7	5.3	8.0	10.3	12.0	13.0	13.2	12.7
102°	1.4	1.2	1.2	2.5	5.0	7.6	9.8	11.6	12.6	12.8	12.3
102.5°	1.5	1.3	1.2	2.3	4.7	7.2	9.4	11.1	12.1	12.3	11.8
103°	1.6	1.3	1.2	2.2	4.4	6.9	9.0	10.6	11.6	11.8	11.4
103.5°	1.6	1.4	1.2	2.0	4.1	6.5	8.6	10.2	11.2	11.4	11.0
104°	1.7	1.4	1.1	1.9	3.9	6.2	8.2	9.8	10.7	11.0	10.5
104.5°	1.7	1.5	1.1	1.8	3.6	5.9	7.9	9.4	10.3	10.6	10.1
105°	1.7	1.7	1.1	1.7	3.4	5.6	7.5	9.0	10.0	10.2	9.8
105.5°	1.7	1.9	1.1	1.6	3.2	5.3	7.2	8.6	9.6	9.8	9.4
106°	1.7	1.8	1.1	1.5	3.0	5.0	6.8	8.3	9.2	9.5	9.0
106.5°	1.7	1.7	1.1	1.5	2.8	4.7	6.5	7.9	8.9	9.1	8.7
107°	1.7	1.6	1.2	1.5	2.6	4.5	6.2	7.6	8.5	8.8	8.4
107.5°	1.7	1.6	1.2	1.4	2.5	4.2	5.9	7.3	8.2	8.4	8.1
108°	1.7	1.6	1.2	1.4	2.3	4.0	5.6	6.9	7.8	8.1	7.7
108.5°	1.7	1.7	1.3	1.4	2.2	3.8	5.4	6.6	7.5	7.8	7.5
109°	1.7	1.8	1.3	1.3	2.1	3.6	5.1	6.4	7.2	7.5	7.2
109.5°	1.7	1.8	1.3	1.3	2.0	3.4	4.8	6.1	6.9	7.2	6.9
110°	1.7	1.8	1.3	1.2	1.9	3.2	4.5	5.8	6.7	6.9	6.6
110.5°	1.7	1.8	1.4	1.3	1.8	3.0	4.3	5.6	6.4	6.6	6.4
111°	1.7	1.8	1.4	1.3	1.8	2.8	4.1	5.3	6.1	6.3	6.1



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.8	1.7	1.5	1.4	1.7	2.4	3.5	4.6	5.3	5.6	5.4
113°	1.8	1.7	1.6	1.4	1.7	2.3	3.3	4.3	5.1	5.3	5.1
113.5°	1.8	1.7	1.6	1.4	1.6	2.2	3.1	4.1	4.8	5.1	4.9
114°	1.8	1.8	1.7	1.4	1.6	2.1	3.0	3.9	4.6	4.8	4.7
114.5°	1.9	1.8	1.7	1.5	1.5	2.1	2.8	3.7	4.4	4.6	4.5
115°	1.9	1.8	1.8	1.5	1.5	2.0	2.7	3.5	4.2	4.4	4.3
115.5°	1.9	1.8	1.8	1.5	1.5	2.0	2.6	3.4	4.0	4.2	4.1
116°	1.9	1.9	1.9	1.6	1.5	2.0	2.5	3.2	3.8	4.1	4.0
116.5°	1.9	1.9	2.0	1.6	1.5	1.9	2.4	3.1	3.6	3.9	3.8
117°	1.9	2.0	2.1	1.6	1.5	1.9	2.4	3.0	3.5	3.7	3.6
117.5°	1.9	2.0	2.2	1.6	1.5	1.8	2.3	2.9	3.3	3.6	3.5
118°	1.9	2.1	2.3	1.7	1.6	1.8	2.2	2.8	3.2	3.4	3.4
118.5°	1.9	2.1	2.3	1.7	1.6	1.7	2.2	2.7	3.1	3.3	3.3
119°	2.0	2.1	2.3	1.7	1.6	1.7	2.2	2.6	3.0	3.2	3.2
119.5°	2.0	2.1	2.2	1.8	1.6	1.7	2.1	2.5	2.9	3.1	3.1
120°	2.0	2.1	2.2	1.8	1.7	1.7	2.1	2.4	2.8	3.1	3.0
120.5°	2.0	2.2	2.2	1.8	1.7	1.7	2.0	2.4	2.8	3.0	3.0
121°	2.0	2.2	2.2	1.9	1.7	1.7	1.9	2.3	2.7	2.9	2.9
121.5°	2.1	2.2	2.2	1.9	1.8	1.7	1.8	2.3	2.6	2.8	2.8
122°	2.1	2.2	2.3	2.0	1.8	1.8	1.8	2.2	2.5	2.8	2.8
122.5°	2.1	2.2	2.3	2.0	1.8	1.8	1.8	2.2	2.5	2.7	2.7
123°	2.1	2.2	2.3	2.1	1.9	1.8	1.8	2.1	2.4	2.7	2.7
123.5°	2.1	2.3	2.4	2.1	1.9	1.9	1.8	2.0	2.4	2.6	2.6
124°	2.2	2.3	2.4	2.2	2.0	1.9	1.8	1.9	2.3	2.6	2.6
124.5°	2.2	2.3	2.4	2.2	2.0	1.9	1.8	1.9	2.3	2.5	2.5
125°	2.2	2.3	2.4	2.3	2.0	2.0	1.9	1.9	2.2	2.4	2.5
125.5°	2.2	2.3	2.4	2.3	2.1	2.0	1.9	1.9	2.2	2.4	2.4
126°	2.2	2.3	2.4	2.4	2.1	2.0	1.9	2.0	2.2	2.4	2.4
126.5°	2.3	2.3	2.4	2.5	2.1	2.0	2.0	2.0	2.2	2.4	2.5
127°	2.3	2.3	2.4	2.6	2.2	2.1	2.0	2.0	2.2	2.4	2.5
127.5°	2.3	2.3	2.4	2.7	2.2	2.1	2.0	2.1	2.2	2.4	2.5
128°	2.3	2.3	2.4	2.8	2.2	2.1	2.1	2.1	2.3	2.4	2.5
128.5°	2.4	2.4	2.4	2.8	2.3	2.2	2.1	2.2	2.3	2.5	2.6
129°	2.4	2.4	2.4	2.8	2.3	2.2	2.2	2.2	2.4	2.5	2.6
129.5°	2.4	2.4	2.4	2.8	2.4	2.2	2.2	2.3	2.4	2.6	2.7
130°	2.4	2.4	2.4	2.8	2.4	2.3	2.3	2.3	2.5	2.6	2.7
130.5°	2.4	2.4	2.4	2.8	2.5	2.3	2.3	2.4	2.5	2.6	2.7
131°	2.4	2.4	2.4	2.8	2.6	2.4	2.4	2.5	2.6	2.7	2.8
131.5°	2.4	2.4	2.4	2.8	2.6	2.4	2.4	2.5	2.6	2.7	2.8
132°	2.4	2.4	2.4	2.9	2.7	2.5	2.5	2.6	2.6	2.8	2.9
132.5°	2.4	2.5	2.4	2.9	2.8	2.6	2.5	2.6	2.7	2.8	2.9
133°	2.4	2.5	2.5	3.0	2.9	2.6	2.6	2.7	2.7	2.8	2.9
133.5°	2.5	2.5	2.5	3.0	3.0	2.7	2.6	2.7	2.8	2.9	3.0



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.5	2.6	2.6	3.1	3.2	2.9	2.8	2.9	2.9	3.0	3.1
135.5°	2.5	2.6	2.6	3.1	3.3	2.9	2.9	2.9	3.0	3.0	3.2
136°	2.5	2.6	2.6	3.1	3.3	3.0	3.0	3.0	3.0	3.1	3.2
136.5°	2.4	2.6	2.7	3.0	3.3	3.1	3.0	3.0	3.0	3.1	3.3
137°	2.5	2.6	2.7	3.0	3.3	3.1	3.1	3.1	3.1	3.2	3.3
137.5°	2.5	2.6	2.7	3.0	3.3	3.2	3.1	3.1	3.1	3.2	3.4
138°	2.5	2.7	2.8	2.9	3.3	3.4	3.2	3.2	3.2	3.3	3.4
138.5°	2.5	2.7	2.8	2.9	3.4	3.5	3.2	3.2	3.2	3.3	3.5
139°	2.5	2.8	2.8	2.9	3.4	3.6	3.3	3.3	3.3	3.4	3.5
139.5°	2.5	2.8	2.8	2.9	3.4	3.7	3.3	3.3	3.3	3.4	3.6
140°	2.5	2.8	2.8	2.9	3.5	3.7	3.4	3.4	3.4	3.5	3.7
140.5°	2.6	2.9	2.8	2.8	3.5	3.7	3.4	3.4	3.4	3.5	3.7
141°	2.6	2.9	2.9	2.8	3.5	3.7	3.5	3.4	3.5	3.6	3.8
141.5°	2.6	2.9	2.9	2.8	3.5	3.8	3.6	3.5	3.5	3.6	3.8
142°	2.6	2.9	2.9	2.8	3.5	3.8	3.7	3.5	3.6	3.7	3.9
142.5°	2.6	2.9	2.9	2.8	3.5	3.8	3.9	3.6	3.6	3.7	3.9
143°	2.6	3.0	2.9	2.8	3.4	3.8	4.0	3.6	3.7	3.8	4.0
143.5°	2.6	3.0	2.9	2.8	3.4	3.8	4.0	3.7	3.7	3.9	4.1
144°	2.6	3.0	3.0	2.8	3.3	3.8	4.0	3.8	3.8	4.0	4.2
144.5°	2.6	3.0	3.0	2.8	3.3	3.8	4.0	4.0	3.9	4.0	4.2
145°	2.6	3.0	3.0	2.8	3.3	3.8	4.0	4.1	3.9	4.0	4.3
145.5°	2.6	3.0	3.0	2.8	3.2	3.8	4.0	4.2	4.0	4.1	4.4
146°	2.6	3.0	3.0	2.8	3.2	3.8	4.0	4.2	4.2	4.2	4.5
146.5°	2.5	3.0	3.0	2.8	3.2	3.8	4.0	4.3	4.4	4.4	4.7
147°	2.5	3.0	3.0	2.8	3.1	3.7	3.9	4.2	4.5	4.5	4.8
147.5°	2.5	3.0	3.0	2.8	3.1	3.7	3.9	4.2	4.4	4.6	4.8
148°	2.5	3.0	3.0	2.8	3.1	3.7	3.9	4.2	4.4	4.6	4.8
148.5°	2.6	3.0	3.0	2.8	3.0	3.7	3.9	4.2	4.4	4.6	4.8
149°	2.5	3.0	3.0	2.8	3.0	3.6	3.9	4.2	4.4	4.6	4.8
149.5°	2.5	3.0	3.0	2.8	3.0	3.6	3.9	4.2	4.4	4.6	4.8
150°	2.5	2.9	3.0	2.8	2.9	3.5	3.9	4.1	4.4	4.6	4.7
150.5°	2.5	2.9	3.1	2.8	2.9	3.5	3.9	4.1	4.4	4.5	4.7
151°	2.4	2.9	3.1	2.8	2.9	3.4	3.9	4.1	4.3	4.4	4.6
151.5°	2.3	2.9	3.1	2.9	2.9	3.4	3.8	4.1	4.3	4.4	4.6
152°	2.2	2.8	3.1	2.9	2.9	3.3	3.8	4.1	4.3	4.4	4.6
152.5°	2.3	2.8	3.1	2.9	2.9	3.2	3.7	4.1	4.3	4.4	4.6
153°	2.2	2.8	3.1	2.9	2.9	3.2	3.7	4.0	4.3	4.4	4.6
153.5°	2.0	2.8	3.1	2.9	2.9	3.1	3.6	4.0	4.2	4.4	4.5
154°	1.9	2.7	3.1	3.0	2.9	3.1	3.5	3.9	4.1	4.3	4.4
154.5°	1.9	2.6	3.1	3.0	2.9	3.1	3.5	3.8	4.1	4.2	4.3
155°	1.9	2.6	3.1	3.0	2.9	3.1	3.4	3.8	4.0	4.1	4.2
155.5°	1.9	2.6	3.1	3.0	3.0	3.0	3.3	3.7	3.9	4.0	4.1
156°	1.8	2.7	3.1	3.0	3.0	3.0	3.3	3.6	3.8	4.0	4.0



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**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: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0
0.5°	1617.4	1617.3	1617.2	1617.0	1616.9	1616.7	1616.5	1616.4	1616.4	1616.4	1616.4
1°	1617.4	1617.6	1617.8	1617.9	1617.7	1617.4	1617.0	1616.6	1616.2	1616.0	1616.0
1.5°	1617.8	1617.7	1617.2	1616.5	1615.9	1615.9	1615.9	1615.8	1615.4	1615.1	1615.1
2°	1617.8	1616.5	1615.2	1615.2	1615.1	1614.5	1614.3	1614.4	1614.1	1613.9	1613.9
2.5°	1616.5	1616.3	1616.5	1615.5	1615.4	1615.0	1614.1	1613.9	1613.5	1613.3	1612.9
3°	1615.8	1615.5	1615.2	1614.4	1614.4	1614.1	1613.8	1613.2	1611.9	1610.8	1611.2
3.5°	1614.5	1614.2	1614.1	1614.2	1613.5	1612.2	1612.0	1612.3	1610.3	1609.7	1609.4
4°	1614.2	1613.5	1612.8	1612.8	1612.6	1611.8	1610.6	1611.0	1609.9	1608.6	1607.5
4.5°	1611.3	1612.2	1610.6	1611.6	1611.6	1610.5	1609.2	1608.4	1607.9	1606.8	1606.0
5°	1610.6	1610.5	1610.2	1609.5	1609.8	1609.2	1608.1	1607.1	1606.5	1605.5	1603.4
5.5°	1609.7	1609.0	1608.7	1607.8	1608.1	1607.0	1606.7	1605.6	1605.0	1603.8	1601.5
6°	1607.8	1607.1	1606.3	1606.0	1605.8	1605.2	1604.8	1603.6	1602.6	1601.8	1599.0
6.5°	1605.5	1604.9	1604.5	1603.9	1603.4	1604.1	1603.0	1601.6	1599.8	1599.7	1596.8
7°	1603.5	1602.5	1603.0	1601.9	1601.6	1601.8	1601.0	1599.0	1597.3	1596.6	1594.6
7.5°	1600.8	1600.2	1600.3	1600.3	1599.1	1599.2	1598.2	1597.2	1594.6	1594.2	1592.4
8°	1598.3	1598.0	1597.5	1597.6	1597.1	1597.2	1595.1	1594.0	1592.3	1591.6	1589.0
8.5°	1595.0	1595.1	1594.6	1594.4	1594.8	1593.9	1593.6	1591.5	1590.4	1588.4	1586.2
9°	1591.9	1592.2	1591.8	1591.7	1592.2	1590.9	1590.4	1589.3	1586.7	1585.2	1583.1
9.5°	1589.2	1589.3	1588.4	1588.6	1588.7	1588.5	1586.9	1585.6	1583.1	1581.8	1579.2
10°	1585.6	1585.8	1585.1	1586.0	1585.5	1584.2	1584.3	1582.6	1580.1	1578.5	1575.7
10.5°	1582.0	1582.5	1581.0	1582.7	1582.1	1581.3	1581.3	1579.6	1577.3	1574.4	1572.3
11°	1577.6	1579.0	1578.3	1579.6	1579.0	1578.4	1578.0	1576.2	1573.4	1570.5	1568.1
11.5°	1573.6	1575.0	1574.1	1575.3	1575.2	1575.4	1574.1	1572.0	1569.2	1567.1	1563.8
12°	1569.6	1570.5	1570.2	1570.9	1571.9	1571.0	1570.3	1568.3	1565.8	1563.5	1559.7
12.5°	1565.4	1566.5	1566.3	1566.6	1568.0	1567.1	1566.2	1564.6	1562.2	1558.6	1555.9
13°	1560.9	1562.0	1561.5	1562.0	1563.2	1562.8	1562.6	1560.7	1558.5	1554.2	1551.6
13.5°	1555.8	1556.5	1556.6	1558.0	1558.8	1558.4	1558.3	1556.5	1553.3	1549.6	1546.1
14°	1550.5	1551.7	1552.5	1553.7	1554.5	1554.2	1553.9	1552.6	1548.7	1545.1	1541.2
14.5°	1545.2	1546.5	1547.5	1548.7	1550.0	1549.9	1549.4	1547.7	1544.9	1540.0	1536.1
15°	1539.7	1541.8	1542.3	1543.8	1545.8	1545.0	1545.0	1542.6	1540.2	1534.5	1531.0
15.5°	1534.1	1536.9	1537.5	1539.1	1540.9	1539.8	1540.4	1537.7	1534.8	1529.7	1525.8
16°	1528.0	1530.7	1531.9	1533.5	1535.4	1535.2	1535.2	1533.2	1529.5	1525.2	1520.6
16.5°	1522.3	1525.1	1526.3	1528.0	1529.8	1530.2	1529.7	1528.5	1524.8	1519.9	1514.7
17°	1516.0	1518.7	1520.2	1522.2	1524.7	1524.6	1524.5	1523.2	1519.3	1514.0	1508.3
17.5°	1509.7	1512.9	1514.6	1516.4	1519.5	1519.6	1520.1	1517.5	1513.6	1508.5	1502.6
18°	1503.5	1505.9	1508.7	1511.3	1513.5	1513.6	1514.0	1511.5	1507.6	1502.7	1496.2
18.5°	1496.5	1498.8	1502.6	1505.0	1507.7	1507.5	1507.5	1506.1	1501.9	1496.1	1489.5
19°	1489.2	1492.0	1495.7	1498.1	1501.6	1502.0	1502.0	1500.3	1496.5	1489.7	1483.4
19.5°	1482.0	1485.2	1488.9	1492.2	1495.1	1495.6	1496.0	1494.1	1490.1	1483.6	1476.6
20°	1475.5	1478.9	1482.3	1485.7	1488.6	1489.8	1489.8	1488.2	1483.9	1477.1	1469.9
20.5°	1468.1	1471.4	1475.6	1478.4	1482.5	1483.1	1483.2	1482.1	1477.6	1470.6	1462.9
21°	1460.2	1464.6	1467.9	1471.5	1475.3	1477.1	1477.0	1475.3	1471.0	1463.5	1455.9



TEST NUMBER: P563566  
 CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1436.2	1440.2	1445.3	1450.5	1454.5	1456.7	1456.7	1454.4	1450.1	1441.9	1434.2
23°	1427.8	1432.2	1437.8	1442.7	1447.2	1449.3	1449.4	1447.1	1443.0	1435.1	1425.9
23.5°	1419.3	1424.0	1429.6	1434.5	1440.1	1442.5	1442.6	1440.4	1435.6	1428.0	1418.3
24°	1410.3	1416.0	1421.1	1426.9	1432.1	1434.7	1435.2	1433.3	1428.4	1420.3	1410.5
24.5°	1401.5	1407.0	1413.1	1418.7	1424.2	1427.3	1428.2	1425.8	1420.7	1412.3	1402.4
25°	1393.0	1398.2	1404.8	1410.6	1416.2	1419.7	1420.8	1418.2	1413.0	1404.1	1393.9
25.5°	1383.7	1389.6	1395.9	1402.0	1408.0	1411.7	1412.6	1410.3	1405.1	1396.1	1385.9
26°	1374.4	1380.6	1387.3	1393.3	1400.0	1403.5	1404.3	1402.9	1397.3	1387.9	1377.2
26.5°	1365.1	1370.9	1378.1	1384.7	1392.1	1395.9	1396.4	1394.7	1388.8	1379.8	1368.6
27°	1355.1	1361.9	1369.0	1376.2	1383.0	1387.3	1388.2	1386.1	1380.8	1371.2	1359.9
27.5°	1345.6	1352.0	1359.8	1367.1	1374.9	1378.6	1379.7	1377.9	1372.4	1362.7	1350.8
28°	1335.3	1342.7	1349.9	1358.4	1365.8	1369.7	1371.0	1369.5	1363.7	1354.0	1341.6
28.5°	1325.3	1332.5	1340.9	1349.2	1356.5	1361.3	1362.7	1361.2	1355.1	1345.0	1332.9
29°	1315.0	1322.6	1331.4	1339.2	1348.0	1353.1	1354.3	1352.2	1346.4	1336.2	1323.4
29.5°	1304.2	1311.8	1321.3	1329.7	1338.6	1343.3	1345.7	1343.4	1337.0	1327.0	1313.7
30°	1294.2	1302.1	1311.5	1320.5	1329.2	1335.1	1336.0	1334.4	1327.8	1317.6	1304.3
30.5°	1283.5	1290.8	1301.3	1311.1	1319.6	1325.5	1326.6	1324.8	1319.5	1308.2	1294.5
31°	1271.8	1281.1	1291.3	1300.8	1310.3	1315.6	1318.0	1316.4	1309.8	1298.3	1284.8
31.5°	1260.8	1270.4	1280.8	1290.4	1300.9	1306.5	1308.4	1306.5	1299.9	1289.3	1275.0
32°	1249.9	1259.2	1270.1	1280.8	1290.4	1296.7	1298.5	1297.2	1291.0	1279.4	1264.9
32.5°	1238.7	1248.7	1259.9	1270.4	1280.3	1287.1	1289.1	1287.9	1280.8	1269.6	1254.9
33°	1227.4	1237.2	1249.3	1260.1	1271.0	1276.9	1279.6	1277.7	1271.4	1259.7	1244.2
33.5°	1215.8	1226.2	1238.1	1249.9	1260.3	1267.2	1269.2	1268.2	1261.4	1249.3	1233.9
34°	1204.4	1214.8	1227.2	1239.1	1249.4	1257.0	1259.3	1258.7	1251.4	1239.2	1223.5
34.5°	1193.2	1203.4	1216.1	1228.2	1239.3	1247.2	1249.5	1248.3	1240.8	1229.3	1214.2
35°	1181.2	1191.5	1204.9	1217.0	1229.1	1236.5	1239.5	1237.9	1230.9	1218.8	1204.0
35.5°	1168.6	1180.4	1193.5	1206.1	1218.3	1225.4	1228.9	1227.6	1220.7	1209.0	1192.6
36°	1156.6	1168.5	1182.1	1195.5	1207.1	1215.5	1218.6	1217.7	1210.6	1197.9	1181.3
36.5°	1144.6	1156.3	1170.8	1184.5	1196.5	1205.1	1208.2	1207.4	1199.6	1186.8	1169.9
37°	1132.5	1144.7	1159.1	1172.4	1186.0	1194.6	1197.4	1196.4	1188.7	1175.8	1158.6
37.5°	1120.6	1132.4	1147.4	1161.6	1174.6	1183.6	1186.6	1185.5	1177.8	1164.7	1147.3
38°	1108.1	1120.8	1136.0	1150.5	1163.7	1172.3	1175.7	1174.5	1166.9	1153.7	1136.1
38.5°	1096.2	1108.1	1124.3	1138.6	1151.5	1161.0	1164.8	1163.6	1155.9	1142.6	1124.5
39°	1083.6	1096.4	1112.1	1126.8	1140.6	1149.7	1153.6	1152.4	1144.7	1131.3	1113.3
39.5°	1071.5	1084.0	1100.0	1115.1	1129.1	1138.5	1142.1	1140.9	1133.2	1120.3	1101.4
40°	1058.6	1071.5	1087.8	1103.4	1117.5	1127.3	1131.1	1129.7	1122.1	1108.6	1090.0
40.5°	1045.6	1059.2	1075.2	1092.0	1105.5	1115.9	1119.6	1118.0	1110.7	1097.3	1078.4
41°	1032.8	1046.3	1063.3	1079.5	1094.2	1103.9	1107.8	1106.8	1099.2	1086.1	1066.8
41.5°	1020.7	1034.1	1051.1	1067.3	1082.0	1092.3	1096.5	1095.3	1088.0	1073.8	1054.5
42°	1008.2	1022.2	1038.8	1055.3	1070.2	1080.4	1084.3	1084.1	1075.9	1061.6	1042.6
42.5°	995.6	1009.4	1026.6	1043.3	1058.0	1068.5	1072.8	1072.1	1064.4	1050.2	1030.3
43°	982.9	996.0	1013.9	1031.0	1046.2	1057.5	1061.0	1060.2	1052.4	1038.5	1019.4
43.5°	969.6	984.0	1001.6	1018.8	1034.4	1044.9	1049.1	1048.3	1040.2	1026.4	1006.9





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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	931.8	946.0	964.0	981.6	998.0	1008.6	1012.7	1012.3	1004.5	989.7	970.0
45.5°	918.6	932.9	951.4	969.2	984.9	995.8	1000.9	1000.2	991.8	977.4	957.6
46°	905.7	919.9	938.7	956.5	972.5	984.1	988.2	987.7	979.3	965.4	945.3
46.5°	892.8	907.6	925.5	943.8	959.7	971.2	975.7	975.1	967.1	953.1	933.1
47°	880.2	894.3	912.9	931.6	947.8	959.3	963.7	962.8	954.6	940.4	920.5
47.5°	867.4	882.4	900.2	918.6	935.3	947.0	950.5	950.4	942.3	928.0	907.9
48°	854.6	868.8	887.4	905.9	922.6	934.3	938.2	937.5	929.8	915.7	895.4
48.5°	842.1	856.4	875.3	893.6	909.4	921.1	925.4	925.1	917.2	903.0	882.5
49°	829.1	843.9	862.7	880.7	897.5	908.7	913.0	912.7	904.9	890.2	870.3
49.5°	816.8	831.3	849.9	867.9	884.2	896.6	900.8	899.9	892.0	877.5	857.9
50°	804.2	818.0	837.0	854.8	872.1	883.6	888.1	887.4	879.4	865.2	845.1
50.5°	791.6	805.6	824.2	842.6	859.1	871.0	875.2	874.5	866.9	852.2	832.1
51°	778.7	793.0	811.6	830.1	846.7	857.9	862.2	861.6	853.5	839.5	819.6
51.5°	766.6	781.1	798.8	817.3	833.5	845.6	849.3	848.9	841.0	827.1	806.8
52°	754.2	767.9	786.2	804.2	820.9	831.9	836.8	836.1	828.2	813.8	794.1
52.5°	742.0	755.5	773.6	791.6	808.0	819.5	824.1	824.4	815.3	800.8	781.4
53°	729.6	743.2	760.8	779.0	795.4	806.5	812.0	811.4	802.3	788.1	768.8
53.5°	717.2	731.0	748.5	766.2	782.7	794.0	800.3	797.1	789.5	775.7	756.0
54°	704.9	717.6	736.2	753.4	769.9	780.8	786.5	784.1	776.2	762.5	743.6
54.5°	693.0	705.9	723.4	740.9	756.5	768.3	772.1	771.2	763.4	749.8	730.9
55°	680.5	693.8	711.0	728.2	744.0	755.1	759.1	757.9	750.3	737.0	718.0
55.5°	668.2	681.6	698.9	715.7	730.9	742.3	745.7	744.7	737.1	724.0	705.1
56°	656.2	669.2	686.3	702.8	718.2	728.8	732.7	733.2	724.5	711.0	692.5
56.5°	644.4	657.0	673.7	690.2	705.4	715.8	720.4	720.0	711.7	698.1	679.9
57°	632.8	644.9	661.0	677.8	692.6	703.0	708.9	705.3	698.9	685.3	667.2
57.5°	620.8	633.2	648.7	665.7	679.7	690.2	695.2	692.5	684.9	672.3	654.6
58°	608.9	621.1	637.0	653.0	666.6	677.2	680.1	679.4	672.0	659.4	641.8
58.5°	597.5	609.0	624.4	639.9	653.8	663.9	667.2	666.6	658.8	646.9	629.1
59°	586.0	597.1	611.9	627.1	641.4	650.9	654.4	653.6	646.2	633.6	616.3
59.5°	574.2	585.6	599.9	614.8	628.7	638.7	642.4	639.5	632.7	620.6	604.1
60°	563.0	574.0	587.8	602.7	616.8	625.9	628.8	626.6	619.7	607.9	591.0
60.5°	551.7	562.2	576.0	590.2	604.4	612.2	614.4	613.6	606.2	594.9	578.6
61°	540.3	550.5	564.4	578.0	590.8	598.5	600.9	600.6	593.4	581.8	566.1
61.5°	528.9	538.8	552.3	566.2	577.6	586.0	588.3	586.9	579.8	568.8	553.2
62°	517.6	527.0	540.3	553.7	568.7	574.4	576.1	573.9	566.7	556.2	540.8
62.5°	506.1	515.3	528.1	541.7	555.2	570.2	559.2	560.4	553.9	543.3	528.1
63°	494.9	504.0	516.0	528.9	542.8	554.3	546.3	547.6	541.0	530.4	516.2
63.5°	484.2	492.8	504.0	516.1	528.7	539.0	533.7	534.2	527.3	517.7	503.7
64°	473.4	481.6	492.3	503.5	514.6	523.7	521.0	520.7	514.6	505.0	491.2
64.5°	462.6	470.2	480.8	491.5	501.6	508.4	508.2	507.6	501.5	492.0	478.7
65°	451.9	459.3	469.5	479.7	488.8	494.8	495.2	494.7	488.7	479.2	466.8
65.5°	441.2	448.5	457.9	467.5	476.2	481.5	482.7	481.4	475.5	466.6	454.3
66°	430.5	437.6	446.2	455.8	463.7	469.9	469.8	468.2	462.6	454.0	441.9



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	399.7	405.1	413.2	420.6	427.0	430.6	430.2	429.1	423.8	416.2	405.8
68°	389.3	394.7	402.0	408.8	414.7	418.2	417.1	416.2	410.9	403.4	393.3
68.5°	379.2	384.1	390.6	397.1	402.5	405.4	404.7	403.1	397.7	390.8	381.6
69°	369.0	373.3	379.7	385.4	390.2	392.8	391.6	390.0	384.8	378.6	369.6
69.5°	358.8	362.8	368.8	374.1	378.5	380.5	378.9	376.7	372.3	366.2	358.0
70°	348.6	352.7	358.1	362.9	366.5	367.6	365.7	364.2	359.6	353.8	346.1
70.5°	339.0	342.5	347.4	351.5	354.5	355.0	353.0	351.3	346.5	341.7	334.2
71°	329.4	332.5	336.8	340.4	342.6	342.8	340.0	338.6	334.3	329.1	322.3
71.5°	319.5	322.6	326.1	329.0	330.8	330.4	327.5	325.8	321.5	317.0	310.9
72°	309.8	312.4	315.5	318.0	319.1	318.2	315.0	313.1	308.9	304.8	299.4
72.5°	300.4	302.3	305.1	306.8	307.7	306.1	302.5	300.3	296.3	292.9	288.0
73°	290.8	292.3	294.7	296.0	296.3	293.9	289.9	287.6	284.0	280.8	276.4
73.5°	281.5	282.6	284.5	285.2	284.8	282.0	277.6	275.2	271.8	269.0	265.3
74°	272.5	273.1	274.5	274.7	273.3	270.1	265.3	262.8	259.7	257.1	254.0
74.5°	263.2	263.6	264.4	263.9	262.0	258.3	252.9	250.2	247.4	245.2	243.2
75°	254.0	254.0	254.3	253.1	250.7	246.5	240.9	238.1	235.5	233.8	232.3
75.5°	245.1	244.7	244.4	242.8	239.8	234.8	228.9	226.0	223.4	222.5	221.6
76°	236.3	235.6	234.7	232.5	228.9	223.4	217.0	214.0	211.7	211.1	210.6
76.5°	227.5	226.3	225.0	222.0	218.1	212.0	205.0	202.0	200.0	200.0	200.3
77°	218.8	217.3	215.7	212.4	207.3	200.7	193.7	190.3	188.5	188.9	189.9
77.5°	210.2	208.4	206.2	202.3	196.7	189.6	182.0	178.7	176.9	178.2	179.8
78°	201.9	199.7	196.9	192.5	186.4	178.7	170.8	167.2	165.9	167.3	169.3
78.5°	193.6	191.1	187.9	183.0	176.3	168.0	159.8	156.0	154.8	156.8	159.7
79°	185.5	182.7	178.9	173.5	166.3	157.4	148.9	145.4	144.4	147.1	150.5
79.5°	177.5	174.3	170.1	163.9	156.5	147.0	137.9	134.8	134.0	137.3	141.4
80°	169.6	166.2	161.6	154.9	146.6	136.7	127.5	124.1	123.6	127.5	132.2
80.5°	161.9	158.1	153.1	145.7	137.1	126.9	117.3	113.5	113.3	117.8	123.1
81°	154.5	150.4	144.8	137.2	127.9	117.3	107.4	103.3	103.5	108.0	113.9
81.5°	147.1	142.7	136.7	128.5	119.0	107.9	97.5	93.1	94.0	98.8	105.3
82°	139.7	135.0	128.9	120.5	110.1	98.7	88.1	83.5	84.6	89.9	96.9
82.5°	132.6	127.8	121.3	112.2	101.6	89.8	79.1	74.6	75.6	81.5	89.0
83°	125.9	120.7	113.8	104.5	93.4	81.2	70.4	65.8	67.1	73.4	81.3
83.5°	119.1	113.9	106.6	97.0	85.5	73.1	62.1	57.5	59.2	65.6	74.0
84°	112.6	107.2	99.7	89.7	77.9	65.2	54.2	49.4	51.3	58.1	67.0
84.5°	106.4	100.7	92.9	82.5	70.6	57.8	47.5	41.9	43.9	51.0	60.3
85°	100.2	94.4	86.3	76.0	63.7	51.7	40.8	34.8	37.0	44.5	54.1
85.5°	94.2	88.3	80.1	69.6	57.3	45.6	34.1	28.3	30.7	38.4	48.2
86°	88.5	82.5	74.2	63.5	52.0	39.6	27.4	23.5	24.8	32.9	42.8
86.5°	83.1	77.0	68.5	57.9	46.7	33.5	21.6	18.7	21.0	27.7	37.7
87°	77.7	71.6	63.0	53.2	41.4	27.5	16.7	13.9	17.1	23.3	33.0
87.5°	72.6	66.3	58.0	48.5	36.2	22.8	12.5	9.2	13.2	20.3	28.8
88°	67.7	61.5	53.6	43.8	30.9	18.8	8.9	4.4	9.4	17.4	25.0
88.5°	63.1	56.6	49.4	39.0	26.8	15.3	6.2	2.0	5.7	14.4	21.7



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	51.1	45.1	36.9	27.2	17.0	7.9	2.8	0.6	2.4	7.2	15.2
90.5°	47.5	41.3	33.5	24.2	14.6	6.4	1.7	0.5	2.0	6.2	13.5
91°	43.9	37.9	30.3	21.4	12.5	5.7	1.3	0.3	1.8	5.4	11.7
91.5°	40.4	34.8	27.4	19.0	10.8	5.0	1.0	0.2	1.6	4.9	9.9
92°	37.3	31.8	24.8	16.9	9.4	4.3	0.8	0.3	1.4	4.6	9.0
92.5°	34.4	29.1	22.4	15.1	8.3	3.5	0.7	0.3	1.3	4.3	8.4
93°	31.7	26.7	20.4	13.5	7.4	3.2	0.6	0.4	1.2	4.0	7.9
93.5°	29.3	24.5	18.5	12.1	6.7	2.9	0.5	0.4	1.1	3.8	7.5
94°	27.0	22.4	16.8	11.0	6.2	2.6	0.5	0.5	1.1	3.7	7.1
94.5°	24.9	20.6	15.3	10.1	5.9	2.4	0.5	0.6	1.1	3.6	6.8
95°	23.0	18.9	14.1	9.4	5.5	2.2	0.6	0.6	1.1	3.6	6.6
95.5°	21.3	17.5	13.1	8.8	5.2	2.0	0.6	0.7	1.1	3.5	6.4
96°	19.8	16.2	12.2	8.4	4.8	1.9	0.8	0.8	1.1	3.4	6.2
96.5°	18.4	15.2	11.5	7.9	4.5	1.8	0.8	0.9	1.1	3.3	6.1
97°	17.2	14.2	10.9	7.5	4.3	1.7	0.9	0.9	1.1	3.2	6.0
97.5°	16.2	13.5	10.4	7.2	4.0	1.6	1.0	1.0	1.1	3.0	5.9
98°	15.3	12.8	9.9	6.8	3.8	1.5	1.1	1.1	1.1	3.0	5.8
98.5°	14.5	12.2	9.5	6.5	3.6	1.4	1.1	1.3	1.2	2.9	5.8
99°	13.9	11.7	9.1	6.2	3.4	1.4	1.2	1.4	1.3	2.9	5.6
99.5°	13.3	11.3	8.7	5.9	3.2	1.4	1.3	1.5	1.4	2.9	5.5
100°	12.8	10.9	8.3	5.6	3.1	1.4	1.4	1.7	1.5	2.9	5.4
100.5°	12.4	10.4	8.0	5.3	2.9	1.3	1.5	1.8	1.6	2.8	5.2
101°	11.9	10.0	7.7	5.0	2.7	1.3	1.5	1.9	1.7	2.8	5.1
101.5°	11.5	9.6	7.3	4.8	2.6	1.4	1.6	2.0	1.7	2.7	5.0
102°	11.0	9.2	7.0	4.5	2.4	1.4	1.7	2.1	1.8	2.6	4.9
102.5°	10.6	8.9	6.7	4.3	2.3	1.4	1.8	2.1	1.9	2.5	4.8
103°	10.2	8.5	6.4	4.1	2.2	1.4	1.9	2.2	2.0	2.4	4.7
103.5°	9.8	8.2	6.1	3.9	2.1	1.5	1.9	2.2	2.1	2.4	4.6
104°	9.5	7.8	5.9	3.7	2.0	1.6	2.0	2.3	2.1	2.3	4.5
104.5°	9.1	7.5	5.6	3.5	2.0	1.7	2.1	2.3	2.2	2.3	4.4
105°	8.7	7.2	5.4	3.4	2.0	1.8	2.3	2.4	2.3	2.3	4.3
105.5°	8.4	6.9	5.1	3.2	2.0	1.9	2.6	2.5	2.4	2.3	4.1
106°	8.1	6.6	4.9	3.0	1.9	1.9	3.0	2.6	2.5	2.2	4.0
106.5°	7.7	6.4	4.7	2.9	1.9	2.0	3.2	2.6	2.7	2.2	3.8
107°	7.4	6.1	4.5	2.8	1.9	2.0	3.5	2.7	3.0	2.1	3.7
107.5°	7.1	5.9	4.2	2.7	1.9	2.0	3.6	2.7	3.2	2.1	3.6
108°	6.8	5.6	4.0	2.6	1.9	2.1	3.5	2.8	3.2	2.2	3.5
108.5°	6.6	5.3	3.9	2.5	2.0	2.2	3.5	2.8	3.1	2.2	3.4
109°	6.3	5.1	3.7	2.4	2.1	2.2	3.4	2.9	3.1	2.3	3.3
109.5°	6.1	4.9	3.5	2.4	2.1	2.3	3.3	2.9	3.2	2.3	3.2
110°	5.8	4.6	3.4	2.3	2.2	2.4	3.3	2.9	3.2	2.4	3.1
110.5°	5.6	4.4	3.2	2.2	2.2	2.5	3.3	3.0	3.3	2.5	3.1
111°	5.3	4.2	3.1	2.2	2.2	2.6	3.3	3.0	3.4	2.5	3.0



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	3.4	3.8	4.4	5.4	5.2	4.2	3.7	3.4	4.3	4.5	4.1
135.5°	3.4	3.9	4.5	5.4	5.1	4.2	3.7	3.4	4.3	4.5	4.1
136°	3.5	3.9	4.5	5.4	5.1	4.1	3.7	3.4	4.3	4.5	4.1
136.5°	3.5	4.0	4.6	5.4	5.0	4.1	3.7	3.4	4.3	4.5	4.2
137°	3.6	4.0	4.7	5.5	5.0	4.1	3.8	3.4	4.2	4.5	4.2
137.5°	3.7	4.1	4.8	5.5	4.9	4.1	3.8	3.4	4.2	4.5	4.2
138°	3.7	4.2	4.9	5.6	4.9	4.2	3.8	3.4	4.2	4.5	4.2
138.5°	3.8	4.3	5.0	5.6	4.8	4.1	3.8	3.4	4.0	4.5	4.2
139°	3.8	4.3	5.1	5.6	4.7	4.1	3.8	3.4	4.0	4.5	4.2
139.5°	3.9	4.4	5.2	5.6	4.6	4.1	3.8	3.4	4.0	4.5	4.2
140°	4.0	4.4	5.2	5.5	4.6	4.1	3.9	3.4	4.1	4.5	4.2
140.5°	4.0	4.5	5.3	5.5	4.5	4.2	3.8	3.4	4.1	4.6	4.3
141°	4.1	4.6	5.3	5.4	4.4	4.2	3.8	3.4	4.1	4.6	4.2
141.5°	4.2	4.7	5.3	5.3	4.4	4.2	3.8	3.4	4.1	4.6	4.2
142°	4.2	4.8	5.4	5.3	4.3	4.2	3.9	3.3	4.1	4.6	4.2
142.5°	4.3	4.9	5.4	5.2	4.3	4.2	3.8	3.2	4.0	4.6	4.2
143°	4.3	5.0	5.4	5.1	4.2	4.2	3.8	3.2	4.0	4.5	4.1
143.5°	4.4	5.1	5.4	5.0	4.2	4.2	3.7	3.2	4.0	4.4	4.1
144°	4.5	5.1	5.4	4.9	4.2	4.2	3.8	3.3	4.0	4.4	4.2
144.5°	4.6	5.1	5.4	4.8	4.1	4.1	3.8	3.3	4.0	4.5	4.3
145°	4.8	5.2	5.3	4.8	4.1	4.1	3.8	3.3	3.9	4.6	4.3
145.5°	4.9	5.2	5.2	4.7	4.1	4.1	3.8	3.3	3.9	4.6	4.2
146°	5.0	5.2	5.2	4.6	4.1	4.1	3.8	3.3	3.9	4.6	4.2
146.5°	5.0	5.1	5.1	4.5	4.0	4.1	3.8	3.3	3.8	4.6	4.3
147°	5.0	5.1	5.0	4.4	4.0	4.1	3.8	3.3	3.8	4.6	4.4
147.5°	5.0	5.1	4.9	4.3	4.0	4.1	3.7	3.3	3.8	4.6	4.4
148°	5.0	5.1	4.8	4.2	4.0	3.9	3.6	3.3	3.8	4.6	4.4
148.5°	4.9	5.0	4.8	4.2	4.0	3.9	3.7	3.4	3.8	4.6	4.4
149°	4.9	5.0	4.7	4.1	3.9	4.0	3.7	3.3	3.7	4.5	4.5
149.5°	4.9	4.9	4.5	4.0	3.9	4.0	3.7	3.3	3.8	4.5	4.5
150°	4.8	4.8	4.4	4.0	3.9	4.0	3.7	3.3	3.8	4.5	4.5
150.5°	4.8	4.7	4.3	3.9	3.8	3.9	3.7	3.4	3.7	4.4	4.5
151°	4.8	4.6	4.2	3.9	3.8	3.9	3.7	3.4	3.7	4.4	4.3
151.5°	4.8	4.5	4.1	3.8	3.8	3.9	3.6	3.4	3.7	4.4	4.3
152°	4.7	4.4	4.0	3.8	3.8	3.9	3.6	3.4	3.6	4.3	4.4
152.5°	4.6	4.3	4.0	3.7	3.8	3.9	3.6	3.3	3.4	4.2	4.5
153°	4.5	4.2	3.9	3.7	3.8	3.8	3.6	3.2	3.3	4.2	4.5
153.5°	4.4	4.1	3.8	3.7	3.8	3.8	3.5	3.2	3.2	4.1	4.5
154°	4.3	4.0	3.7	3.7	3.8	3.8	3.5	3.1	3.2	4.0	4.5
154.5°	4.2	3.9	3.7	3.6	3.8	3.8	3.5	3.2	3.1	3.8	4.4
155°	4.1	3.9	3.6	3.6	3.8	3.6	3.5	3.1	3.0	3.7	4.2
155.5°	4.0	3.8	3.6	3.6	3.7	3.5	3.4	3.0	3.0	3.5	4.0
156°	3.9	3.7	3.5	3.6	3.6	3.5	3.4	2.9	3.0	3.4	3.8



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**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: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0	1617.0
0.5°	1616.4	1616.5	1616.5	1616.5	1616.5	1616.6	1616.6	1616.6	1616.7	1616.7	1616.7
1°	1616.0	1616.0	1615.7	1615.4	1615.1	1614.8	1615.0	1615.3	1615.7	1616.1	1616.3
1.5°	1615.1	1615.1	1615.2	1615.0	1614.8	1614.8	1615.0	1615.2	1615.4	1615.5	1615.8
2°	1613.7	1613.7	1613.6	1613.2	1613.0	1613.0	1613.2	1613.6	1614.1	1614.4	1614.5
2.5°	1612.8	1612.6	1612.0	1611.3	1611.3	1611.6	1611.6	1611.7	1612.3	1613.0	1613.4
3°	1611.3	1611.0	1610.2	1609.9	1610.1	1610.4	1610.3	1610.2	1610.7	1611.4	1611.6
3.5°	1608.7	1608.6	1608.4	1607.8	1608.0	1608.5	1608.8	1609.0	1609.5	1610.0	1610.6
4°	1607.5	1607.3	1606.6	1606.1	1606.3	1606.8	1607.1	1607.2	1607.3	1608.0	1608.5
4.5°	1605.0	1604.6	1604.5	1604.5	1604.4	1604.1	1604.3	1604.8	1605.1	1606.1	1607.3
5°	1603.0	1602.7	1601.8	1601.5	1601.0	1600.8	1601.4	1602.3	1603.3	1604.5	1606.0
5.5°	1600.9	1600.2	1599.6	1599.0	1598.7	1599.0	1599.0	1599.7	1601.0	1602.6	1604.1
6°	1598.0	1597.4	1596.9	1596.4	1596.3	1596.0	1595.9	1596.6	1598.0	1599.3	1601.2
6.5°	1595.2	1594.1	1593.6	1593.2	1592.9	1593.1	1593.2	1594.1	1595.4	1596.9	1599.0
7°	1592.9	1591.8	1590.4	1589.7	1589.9	1590.2	1590.5	1591.3	1592.9	1594.0	1596.9
7.5°	1590.2	1589.1	1587.2	1586.6	1586.1	1585.4	1586.3	1587.6	1589.2	1591.1	1593.7
8°	1586.5	1585.6	1584.0	1582.9	1582.3	1582.4	1582.9	1584.2	1585.8	1587.6	1590.6
8.5°	1583.0	1581.2	1580.3	1579.3	1578.4	1578.7	1579.0	1580.5	1582.6	1584.4	1587.4
9°	1579.0	1577.5	1576.4	1575.0	1574.8	1574.8	1574.8	1576.2	1578.7	1581.5	1585.0
9.5°	1575.7	1574.0	1571.8	1571.0	1570.5	1570.3	1570.5	1572.2	1574.7	1577.6	1581.5
10°	1573.0	1570.0	1568.0	1566.6	1566.1	1566.1	1566.0	1567.8	1570.8	1573.9	1577.5
10.5°	1568.4	1566.0	1563.4	1561.8	1561.1	1560.4	1561.6	1563.7	1566.4	1569.9	1574.3
11°	1563.9	1561.4	1558.8	1557.3	1556.5	1556.3	1556.7	1558.6	1561.9	1565.3	1570.1
11.5°	1559.3	1556.5	1553.9	1552.2	1551.5	1550.8	1551.8	1553.8	1557.2	1561.8	1565.3
12°	1555.4	1551.7	1548.8	1547.2	1546.1	1545.7	1547.1	1549.4	1552.6	1557.5	1562.1
12.5°	1551.0	1547.0	1544.1	1542.2	1541.1	1539.9	1541.6	1543.9	1547.5	1552.3	1558.1
13°	1546.2	1541.7	1538.6	1536.4	1534.5	1534.1	1536.1	1538.4	1541.9	1547.3	1552.8
13.5°	1540.5	1536.1	1532.9	1530.4	1528.6	1528.4	1530.1	1532.3	1536.6	1541.8	1548.3
14°	1535.8	1530.9	1527.3	1524.6	1522.6	1523.2	1523.8	1526.7	1531.4	1537.4	1542.6
14.5°	1530.3	1524.9	1521.6	1518.9	1516.0	1516.4	1518.2	1520.7	1525.5	1531.9	1538.0
15°	1524.7	1519.3	1515.8	1512.3	1510.4	1510.1	1511.6	1514.9	1519.2	1525.8	1532.5
15.5°	1519.4	1513.7	1509.1	1505.5	1504.1	1503.2	1504.9	1508.2	1513.4	1519.9	1527.1
16°	1513.7	1507.7	1502.6	1498.6	1496.3	1496.2	1497.8	1501.5	1506.8	1513.6	1521.0
16.5°	1507.5	1501.4	1496.2	1492.0	1489.8	1490.0	1491.3	1494.7	1500.6	1507.5	1515.0
17°	1501.4	1494.9	1489.7	1485.5	1483.1	1482.7	1484.3	1487.8	1493.8	1501.7	1509.1
17.5°	1495.0	1488.3	1482.9	1478.4	1475.8	1475.1	1477.3	1480.6	1486.7	1495.0	1503.6
18°	1488.4	1481.3	1475.7	1470.8	1468.0	1467.1	1468.8	1473.9	1480.1	1488.3	1497.3
18.5°	1481.7	1474.6	1468.0	1462.8	1460.5	1460.0	1461.7	1466.5	1473.5	1481.5	1490.7
19°	1475.5	1467.0	1460.3	1455.1	1453.3	1451.6	1453.3	1458.4	1465.3	1474.3	1483.3
19.5°	1467.7	1459.6	1452.7	1447.3	1445.1	1443.7	1445.8	1450.3	1457.6	1467.4	1476.9
20°	1461.0	1452.6	1445.2	1439.3	1436.2	1435.6	1438.2	1442.7	1450.4	1460.2	1470.9
20.5°	1453.9	1444.9	1437.4	1431.0	1427.4	1427.1	1429.7	1435.1	1442.7	1452.8	1464.0
21°	1446.2	1437.3	1429.3	1422.6	1418.7	1418.5	1421.1	1426.5	1434.9	1445.5	1456.3





TEST NUMBER: P563566  
 CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1423.1	1412.6	1403.8	1397.1	1392.1	1391.4	1393.7	1399.6	1409.2	1421.7	1433.5
23°	1415.5	1404.2	1395.4	1387.9	1383.2	1382.9	1384.7	1391.0	1400.9	1413.4	1426.3
23.5°	1407.0	1395.3	1386.1	1378.6	1374.5	1372.8	1375.2	1381.7	1392.1	1404.7	1418.2
24°	1398.9	1386.9	1376.9	1368.5	1364.5	1362.8	1365.1	1372.7	1382.8	1395.9	1409.6
24.5°	1390.3	1378.3	1367.4	1358.8	1354.8	1352.6	1356.1	1364.0	1374.4	1387.3	1401.5
25°	1382.8	1369.3	1358.9	1349.8	1345.5	1342.9	1346.3	1354.5	1365.2	1378.6	1392.8
25.5°	1373.1	1360.0	1349.4	1340.0	1334.8	1333.0	1336.2	1344.0	1355.2	1369.4	1384.7
26°	1364.1	1350.6	1339.2	1330.2	1325.1	1322.7	1326.3	1334.2	1346.3	1360.7	1376.2
26.5°	1355.2	1341.4	1329.1	1320.1	1315.1	1312.5	1315.5	1324.2	1336.5	1351.5	1367.0
27°	1346.6	1332.5	1319.6	1309.4	1304.1	1302.6	1305.3	1313.8	1326.7	1341.7	1358.0
27.5°	1337.2	1322.0	1309.4	1298.8	1292.8	1292.2	1295.1	1303.4	1316.4	1332.7	1348.5
28°	1327.2	1312.3	1299.5	1288.4	1282.8	1281.1	1284.8	1293.9	1306.9	1322.9	1339.9
28.5°	1318.2	1303.0	1289.4	1278.6	1272.2	1270.1	1273.5	1283.0	1296.7	1312.8	1329.6
29°	1308.6	1292.5	1278.9	1267.4	1260.9	1259.9	1263.4	1271.8	1285.5	1302.5	1320.3
29.5°	1298.8	1282.1	1268.3	1256.5	1250.2	1248.2	1251.1	1261.1	1275.4	1293.1	1311.3
30°	1288.9	1271.8	1257.6	1245.7	1238.7	1237.0	1240.9	1250.6	1265.0	1283.1	1301.4
30.5°	1278.7	1261.7	1246.9	1234.6	1228.1	1225.6	1229.4	1239.3	1254.0	1272.4	1291.2
31°	1268.6	1251.1	1236.0	1223.6	1216.8	1214.3	1218.5	1228.6	1243.4	1261.8	1281.6
31.5°	1258.2	1240.5	1225.2	1212.3	1205.0	1202.6	1206.9	1217.5	1232.8	1251.8	1271.2
32°	1247.7	1230.1	1214.3	1200.6	1193.3	1190.8	1195.2	1205.9	1222.2	1241.2	1261.1
32.5°	1237.9	1219.4	1203.0	1188.8	1181.5	1179.1	1183.6	1194.2	1211.0	1230.8	1250.8
33°	1227.1	1208.1	1191.7	1177.0	1169.8	1167.3	1171.9	1182.5	1199.5	1220.1	1240.7
33.5°	1215.9	1196.8	1180.4	1165.1	1158.0	1155.6	1160.3	1170.9	1188.0	1209.2	1230.1
34°	1206.6	1185.7	1169.2	1154.0	1145.5	1143.6	1147.6	1159.1	1176.5	1198.0	1219.5
34.5°	1195.3	1174.5	1157.8	1142.8	1133.8	1131.2	1135.9	1147.8	1165.1	1186.9	1209.3
35°	1184.0	1163.1	1145.2	1130.8	1121.9	1119.0	1124.1	1136.2	1153.6	1175.7	1198.4
35.5°	1172.7	1151.7	1133.6	1118.9	1109.9	1107.0	1112.0	1124.4	1141.8	1164.5	1187.4
36°	1161.5	1140.5	1122.2	1106.3	1097.3	1094.6	1099.5	1111.3	1130.0	1153.3	1176.5
36.5°	1150.0	1128.7	1109.5	1094.1	1084.6	1082.5	1087.2	1099.7	1118.0	1141.1	1165.6
37°	1138.6	1116.4	1097.7	1082.3	1072.2	1069.5	1074.6	1087.8	1106.1	1129.4	1154.2
37.5°	1127.1	1104.6	1085.7	1070.1	1060.6	1057.2	1062.5	1075.2	1093.8	1117.5	1142.8
38°	1115.1	1092.6	1073.3	1057.0	1047.5	1045.3	1049.7	1063.2	1082.2	1105.9	1130.6
38.5°	1103.5	1080.9	1061.1	1045.0	1035.2	1032.0	1037.6	1050.7	1070.0	1094.3	1119.2
39°	1091.9	1069.1	1048.7	1032.4	1022.8	1019.8	1025.4	1038.6	1057.9	1082.4	1107.7
39.5°	1079.9	1057.4	1036.9	1020.0	1010.6	1007.1	1012.2	1025.8	1045.5	1070.2	1096.2
40°	1068.4	1044.9	1024.5	1007.8	997.5	994.6	1000.0	1013.5	1033.1	1058.2	1084.3
40.5°	1056.5	1032.7	1012.2	995.1	984.8	981.9	986.7	1000.4	1021.4	1046.1	1072.9
41°	1044.6	1020.5	999.7	982.1	972.2	969.1	974.8	988.5	1008.6	1034.1	1060.6
41.5°	1032.3	1008.4	987.4	970.0	959.6	956.7	961.7	976.0	996.5	1022.0	1048.7
42°	1020.0	995.9	974.6	957.4	946.5	943.7	949.4	963.0	984.0	1009.5	1037.4
42.5°	1008.4	984.0	962.1	944.8	934.0	931.3	936.6	950.7	971.9	997.0	1024.6
43°	996.4	971.2	949.9	932.1	921.0	918.8	924.3	938.3	959.4	985.2	1012.8
43.5°	983.9	959.1	937.2	919.2	908.9	905.8	911.3	925.2	946.2	973.0	1000.6



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	946.8	921.1	899.2	881.6	871.2	867.6	873.0	887.6	908.5	935.7	964.0
45.5°	934.5	909.0	887.2	868.8	858.4	855.2	860.9	875.2	896.1	923.1	951.5
46°	922.0	896.7	874.3	856.5	845.5	843.1	848.4	862.9	884.1	910.6	939.3
46.5°	909.5	884.1	861.9	843.9	833.1	830.3	835.7	850.5	871.7	898.2	926.6
47°	897.2	871.2	849.2	831.3	820.2	817.6	823.4	837.5	859.0	885.6	914.7
47.5°	884.4	858.8	836.9	818.9	808.0	805.4	810.8	825.1	846.3	873.1	902.0
48°	871.6	846.6	823.8	806.2	795.7	792.6	797.9	812.4	833.8	860.4	889.3
48.5°	859.1	833.9	811.8	794.1	783.5	780.3	786.0	800.0	821.2	848.1	876.4
49°	846.8	821.3	799.2	781.8	770.7	767.8	773.8	788.0	809.4	836.0	864.0
49.5°	834.8	808.8	787.2	769.5	758.3	756.1	761.3	775.6	796.4	823.3	851.9
50°	821.2	796.3	774.3	756.9	746.1	743.5	749.5	763.0	784.6	810.5	839.6
50.5°	809.3	783.8	761.4	744.4	734.3	731.5	736.5	750.5	771.9	798.0	826.8
51°	796.5	771.0	749.6	732.5	721.8	719.8	724.8	738.5	759.2	785.6	814.5
51.5°	783.7	758.7	737.5	720.5	709.7	707.5	712.9	726.8	747.2	773.4	801.7
52°	770.8	746.7	725.3	708.4	697.8	695.4	700.8	714.9	735.2	761.5	789.3
52.5°	758.4	734.3	713.1	696.2	686.1	684.1	688.8	702.8	723.2	749.0	776.7
53°	746.0	721.9	700.5	684.0	674.0	672.2	677.0	690.7	710.9	736.5	764.3
53.5°	733.6	709.6	688.3	672.1	662.1	660.0	665.6	678.5	698.9	724.2	752.4
54°	721.2	697.4	676.2	660.4	650.4	647.7	653.2	666.3	686.6	711.8	739.8
54.5°	708.6	684.7	664.1	648.3	638.6	636.6	642.0	654.6	674.7	699.5	726.9
55°	696.0	672.1	652.3	636.7	626.8	624.9	630.0	643.0	662.6	687.6	714.4
55.5°	684.0	660.2	640.3	624.8	615.8	613.6	618.8	631.3	650.6	675.3	701.8
56°	671.2	648.0	628.2	613.3	604.1	602.3	607.2	619.4	638.5	663.2	689.7
56.5°	658.6	635.6	616.7	601.8	592.3	590.4	595.9	608.1	627.0	651.0	677.1
57°	646.4	623.7	604.6	590.2	581.1	579.5	584.5	596.9	615.0	638.7	664.8
57.5°	633.6	611.9	593.2	578.5	569.7	568.0	572.7	584.9	603.4	626.6	652.3
58°	621.4	599.7	581.3	567.1	558.9	557.0	561.9	573.5	591.6	614.4	640.0
58.5°	608.9	588.0	569.8	555.7	547.5	546.0	550.8	562.2	580.2	602.7	628.1
59°	596.7	576.1	558.0	544.6	536.2	534.8	539.5	551.1	568.5	590.9	615.8
59.5°	584.5	563.9	546.9	533.2	525.0	523.7	529.0	539.9	557.3	578.9	603.5
60°	572.2	552.4	535.6	521.9	514.6	513.3	517.7	528.6	545.6	567.2	590.9
60.5°	560.1	540.5	524.0	510.9	503.5	502.1	506.7	517.5	534.4	555.4	578.5
61°	547.7	528.9	512.5	499.9	492.5	491.4	495.7	506.6	522.9	543.7	566.8
61.5°	535.6	517.2	501.5	489.4	482.5	480.8	485.4	495.8	511.9	531.9	554.3
62°	523.2	505.6	490.5	478.2	471.3	470.3	474.6	485.1	500.5	520.5	542.3
62.5°	511.6	494.1	479.1	467.4	460.6	459.9	464.0	474.2	489.5	509.0	530.3
63°	499.7	482.7	467.8	456.6	450.3	449.3	453.5	463.3	478.3	497.4	518.3
63.5°	487.9	471.1	456.8	445.9	440.1	439.0	443.2	452.7	467.3	486.1	506.7
64°	475.6	459.7	446.5	435.5	429.7	428.8	432.6	442.3	456.2	474.7	494.6
64.5°	463.9	448.4	435.3	424.8	419.1	418.6	422.5	431.6	445.4	463.2	482.8
65°	452.1	437.2	424.4	414.6	409.2	408.4	412.4	421.4	434.8	452.0	471.0
65.5°	440.4	426.1	414.1	404.4	399.0	398.3	402.3	411.0	424.3	440.7	459.3
66°	429.0	415.0	403.6	393.8	388.6	388.1	391.8	400.4	413.4	429.7	447.4



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	393.8	381.6	371.4	363.5	359.2	358.6	362.3	370.1	381.7	396.4	412.3
68°	382.3	370.9	361.0	353.4	349.5	349.2	352.6	360.2	371.1	385.6	401.2
68.5°	371.2	360.0	350.7	343.6	339.9	339.3	342.9	350.4	361.0	374.8	390.0
69°	359.8	349.2	340.6	333.8	330.2	330.0	333.2	340.5	350.8	364.0	378.7
69.5°	348.5	338.7	330.3	323.9	320.3	320.3	323.5	330.6	340.5	353.1	367.2
70°	337.5	328.1	320.4	314.1	311.1	311.2	314.2	320.8	330.3	342.3	355.8
70.5°	326.0	317.6	310.3	304.8	301.9	302.0	304.9	311.1	320.2	332.0	344.3
71°	315.1	307.1	300.6	295.3	292.6	292.7	295.6	301.6	310.4	321.3	333.7
71.5°	304.3	296.8	290.7	285.8	283.2	283.4	286.4	292.1	300.6	311.0	322.4
72°	293.4	286.7	281.0	276.5	274.2	274.7	277.4	282.8	290.8	300.8	311.6
72.5°	282.5	276.4	271.3	267.3	265.3	265.6	268.4	273.6	281.1	290.4	300.5
73°	271.9	266.5	261.7	258.1	256.2	256.7	259.2	264.4	271.2	280.2	290.2
73.5°	261.3	256.5	252.1	249.0	247.6	247.8	250.5	255.1	261.8	270.1	279.2
74°	250.6	246.5	242.9	240.2	238.7	239.6	241.8	246.2	252.4	260.3	268.5
74.5°	240.3	236.8	233.6	231.5	230.2	231.0	233.2	237.5	243.2	250.3	257.8
75°	230.1	227.3	224.6	222.6	221.7	222.4	224.6	228.5	233.9	240.5	247.8
75.5°	220.1	217.7	215.4	214.0	213.4	214.1	216.1	219.7	224.7	230.8	237.4
76°	209.9	208.3	206.8	205.4	204.9	205.8	207.7	211.3	215.9	221.2	227.3
76.5°	200.0	199.0	198.0	197.0	196.8	197.6	199.6	202.8	206.9	211.7	217.1
77°	190.4	189.8	189.5	188.9	188.7	189.7	191.5	194.4	198.2	202.4	207.2
77.5°	180.6	180.9	180.8	180.9	181.0	181.9	183.8	186.2	189.6	193.3	197.0
78°	171.3	172.3	172.6	172.9	173.5	174.3	175.8	178.3	181.3	184.4	187.5
78.5°	162.2	163.9	164.6	165.0	165.8	166.8	168.3	170.4	172.7	175.5	177.9
79°	153.1	155.2	156.6	157.5	158.3	159.4	160.8	162.7	164.7	166.7	168.7
79.5°	144.5	147.1	148.9	150.2	151.2	152.3	153.8	155.2	156.7	158.3	159.2
80°	136.1	139.6	141.8	143.3	144.6	145.4	146.5	147.7	149.2	149.9	150.5
80.5°	127.6	131.9	134.7	136.6	138.0	138.9	139.9	140.8	142.0	142.0	142.1
81°	119.1	124.3	127.5	129.8	131.4	132.3	133.3	134.1	134.8	134.4	133.7
81.5°	111.2	116.6	120.4	123.1	124.8	125.8	126.7	127.5	127.6	126.8	125.3
82°	103.8	109.3	113.3	116.4	118.2	119.3	120.2	120.8	120.4	119.1	116.9
82.5°	96.3	102.5	106.8	109.9	112.0	113.3	114.1	114.2	113.4	111.7	108.7
83°	89.0	95.6	100.4	103.8	106.0	107.3	107.9	107.8	106.7	104.6	101.2
83.5°	82.2	89.0	94.2	97.8	100.0	101.3	102.0	101.7	100.4	97.7	93.7
84°	75.6	82.8	88.2	92.0	94.3	95.8	96.3	95.8	94.1	91.0	86.7
84.5°	69.2	76.9	82.5	86.4	88.9	90.2	90.7	90.0	88.1	84.6	79.6
85°	63.3	71.1	76.8	81.0	83.6	85.0	85.3	84.5	82.2	78.5	73.2
85.5°	57.6	65.6	71.6	75.8	78.4	79.7	80.0	79.1	76.7	72.7	67.0
86°	52.3	60.3	66.5	70.9	73.6	74.9	75.2	74.1	71.3	67.0	61.0
86.5°	47.2	55.4	61.7	66.1	68.8	70.2	70.3	69.1	66.3	61.6	55.3
87°	42.6	50.8	57.0	61.6	64.4	65.8	65.8	64.4	61.4	56.6	50.0
87.5°	38.2	46.4	52.8	57.4	60.2	61.5	61.4	60.0	56.8	51.9	45.1
88°	34.3	42.4	48.7	53.3	56.1	57.4	57.4	55.8	52.5	47.5	40.5
88.5°	30.7	38.7	44.9	49.5	52.2	53.5	53.4	51.7	48.5	43.3	36.3



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	21.9	29.1	35.0	39.4	42.2	43.3	43.1	41.2	37.7	32.5	25.7
90.5°	19.7	26.5	32.3	36.5	39.2	40.3	40.0	38.2	34.7	29.5	22.9
91°	17.7	24.2	29.8	33.9	36.5	37.6	37.2	35.4	31.9	26.8	20.4
91.5°	16.0	22.2	27.5	31.5	34.0	35.0	34.6	32.8	29.3	24.4	18.3
92°	15.0	20.4	25.4	29.2	31.7	32.7	32.3	30.4	27.1	22.3	16.4
92.5°	14.0	18.9	23.6	27.2	29.6	30.5	30.1	28.2	25.0	20.4	15.3
93°	13.1	17.5	22.0	25.5	27.7	28.5	28.2	26.4	23.2	18.8	14.2
93.5°	12.1	16.4	20.7	23.9	26.0	26.8	26.4	24.7	21.6	17.5	13.1
94°	11.1	15.5	19.5	22.6	24.6	25.3	24.9	23.2	20.2	16.3	12.1
94.5°	10.6	14.8	18.5	21.4	23.3	24.0	23.5	21.8	19.0	15.3	11.0
95°	10.2	14.1	17.6	20.4	22.1	22.8	22.3	20.7	18.0	14.5	10.4
95.5°	9.8	13.6	16.9	19.5	21.1	21.7	21.2	19.7	17.1	13.7	10.0
96°	9.5	13.1	16.2	18.6	20.2	20.7	20.3	18.8	16.3	13.2	9.6
96.5°	9.2	12.8	15.6	17.9	19.4	19.9	19.5	18.1	15.7	12.7	9.3
97°	9.0	12.4	15.1	17.2	18.6	19.1	18.7	17.5	15.2	12.2	8.9
97.5°	8.9	12.0	14.6	16.7	18.0	18.5	18.1	16.9	14.7	11.8	8.5
98°	8.7	11.6	14.2	16.2	17.4	17.9	17.6	16.4	14.3	11.3	8.1
98.5°	8.6	11.3	13.8	15.7	16.9	17.4	17.0	15.9	13.8	10.8	7.8
99°	8.5	11.1	13.5	15.2	16.4	16.9	16.5	15.4	13.3	10.5	7.7
99.5°	8.4	10.9	13.1	14.9	16.0	16.4	16.0	14.9	13.0	10.1	7.6
100°	8.2	10.8	12.9	14.5	15.6	15.9	15.6	14.4	12.6	9.9	7.5
100.5°	8.1	10.6	12.7	14.2	15.2	15.6	15.1	14.0	12.2	9.7	7.4
101°	8.0	10.5	12.4	13.9	14.9	15.2	14.7	13.6	11.8	9.6	7.3
101.5°	7.9	10.3	12.2	13.7	14.6	14.9	14.4	13.3	11.5	9.4	7.2
102°	7.7	10.2	12.0	13.4	14.2	14.5	14.1	13.0	11.3	9.3	7.1
102.5°	7.6	10.0	11.8	13.2	14.0	14.3	13.8	12.8	11.2	9.2	6.9
103°	7.4	9.9	11.6	13.0	13.8	14.0	13.6	12.7	11.0	9.1	6.8
103.5°	7.2	9.7	11.5	12.8	13.6	13.8	13.5	12.5	10.9	9.0	6.6
104°	7.1	9.6	11.3	12.6	13.4	13.7	13.3	12.3	10.8	8.9	6.4
104.5°	6.9	9.4	11.2	12.4	13.2	13.5	13.1	12.2	10.7	8.7	6.2
105°	6.8	9.2	11.0	12.2	13.0	13.3	12.9	12.0	10.5	8.6	6.0
105.5°	6.6	9.0	10.8	12.0	12.8	13.1	12.8	11.8	10.4	8.4	5.9
106°	6.5	8.8	10.6	11.8	12.6	13.0	12.7	11.7	10.2	8.2	5.7
106.5°	6.4	8.6	10.4	11.6	12.4	12.8	12.5	11.5	10.0	7.9	5.5
107°	6.2	8.4	10.1	11.4	12.2	12.6	12.2	11.3	9.8	7.7	5.4
107.5°	6.1	8.2	9.9	11.2	12.0	12.3	12.0	11.1	9.6	7.5	5.2
108°	5.9	8.1	9.7	11.0	11.7	12.1	11.8	10.9	9.3	7.3	5.1
108.5°	5.7	7.9	9.5	10.8	11.5	11.9	11.6	10.6	9.1	7.1	5.0
109°	5.6	7.7	9.3	10.5	11.3	11.6	11.4	10.4	8.8	6.9	4.9
109.5°	5.4	7.6	9.1	10.3	11.0	11.4	11.1	10.1	8.6	6.7	4.7
110°	5.3	7.4	8.9	10.0	10.8	11.1	10.8	9.9	8.4	6.6	4.6
110.5°	5.1	7.2	8.7	9.8	10.5	10.8	10.6	9.6	8.1	6.4	4.5
111°	4.9	7.0	8.5	9.6	10.3	10.6	10.3	9.4	7.9	6.3	4.3



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	4.4	6.4	8.0	9.0	9.6	9.8	9.6	8.7	7.3	5.8	3.9
113°	4.2	6.2	7.8	8.7	9.4	9.6	9.4	8.5	7.1	5.7	3.8
113.5°	4.1	6.0	7.6	8.5	9.1	9.4	9.1	8.3	6.9	5.5	3.6
114°	3.9	5.8	7.4	8.4	8.9	9.2	8.9	8.1	6.8	5.4	3.5
114.5°	3.8	5.6	7.2	8.2	8.7	9.0	8.7	7.9	6.6	5.3	3.4
115°	3.7	5.4	7.0	8.0	8.6	8.7	8.5	7.7	6.4	5.1	3.3
115.5°	3.6	5.2	6.8	7.8	8.4	8.5	8.3	7.5	6.2	4.9	3.2
116°	3.6	5.0	6.6	7.7	8.2	8.3	8.1	7.3	6.1	4.7	3.2
116.5°	3.5	4.8	6.4	7.5	8.0	8.1	7.9	7.0	5.9	4.6	3.1
117°	3.4	4.6	6.2	7.3	7.8	7.9	7.6	6.8	5.7	4.4	3.1
117.5°	3.4	4.5	5.9	7.0	7.6	7.7	7.4	6.6	5.5	4.3	3.0
118°	3.4	4.3	5.7	6.8	7.4	7.5	7.2	6.5	5.3	4.1	3.0
118.5°	3.3	4.2	5.5	6.6	7.2	7.3	7.0	6.3	5.1	4.0	2.9
119°	3.2	4.1	5.3	6.4	7.0	7.1	6.8	6.1	4.9	3.9	2.7
119.5°	3.1	4.0	5.1	6.1	6.8	6.9	6.6	5.8	4.7	3.7	2.6
120°	3.0	3.9	4.9	5.9	6.6	6.7	6.4	5.6	4.5	3.6	2.5
120.5°	2.8	3.8	4.7	5.7	6.3	6.5	6.2	5.4	4.4	3.5	2.4
121°	2.7	3.7	4.6	5.4	6.0	6.2	5.9	5.2	4.2	3.4	2.4
121.5°	2.6	3.6	4.4	5.2	5.8	6.0	5.7	5.0	4.1	3.4	2.3
122°	2.6	3.6	4.3	5.0	5.6	5.7	5.5	4.8	4.0	3.3	2.3
122.5°	2.7	3.5	4.2	4.9	5.4	5.5	5.3	4.7	3.8	3.2	2.4
123°	2.7	3.4	4.1	4.7	5.2	5.3	5.1	4.5	3.7	3.0	2.4
123.5°	2.8	3.3	4.0	4.6	5.0	5.1	4.9	4.4	3.6	2.8	2.5
124°	2.8	3.2	3.9	4.5	4.8	5.0	4.8	4.3	3.5	2.7	2.5
124.5°	2.9	3.0	3.7	4.3	4.7	4.8	4.6	4.2	3.5	2.5	2.6
125°	2.9	2.8	3.6	4.2	4.6	4.6	4.5	4.0	3.4	2.4	2.6
125.5°	3.0	2.7	3.6	4.1	4.4	4.5	4.4	3.9	3.3	2.3	2.6
126°	3.0	2.6	3.5	4.0	4.3	4.4	4.3	3.9	3.1	2.2	2.7
126.5°	3.1	2.6	3.3	3.9	4.2	4.3	4.1	3.8	3.0	2.2	2.7
127°	3.2	2.6	3.2	3.8	4.1	4.1	4.0	3.7	2.8	2.2	2.8
127.5°	3.2	2.7	3.0	3.7	4.0	4.0	4.0	3.6	2.7	2.3	2.8
128°	3.3	2.7	2.9	3.6	3.9	4.0	3.9	3.4	2.6	2.3	2.8
128.5°	3.3	2.8	2.7	3.4	3.8	3.8	3.8	3.3	2.5	2.4	2.8
129°	3.4	2.8	2.6	3.3	3.7	3.8	3.7	3.1	2.4	2.4	2.8
129.5°	3.4	2.9	2.5	3.1	3.6	3.7	3.5	2.9	2.3	2.4	2.8
130°	3.5	2.9	2.6	3.0	3.4	3.5	3.3	2.8	2.4	2.5	2.8
130.5°	3.5	3.0	2.6	2.8	3.2	3.3	3.1	2.7	2.4	2.5	2.8
131°	3.5	3.0	2.7	2.6	3.0	3.1	3.0	2.6	2.4	2.6	2.8
131.5°	3.5	3.0	2.7	2.5	2.9	3.0	2.8	2.5	2.5	2.6	2.9
132°	3.6	3.1	2.8	2.6	2.7	2.8	2.7	2.5	2.5	2.7	2.9
132.5°	3.6	3.2	2.8	2.6	2.6	2.6	2.6	2.5	2.6	2.7	3.0
133°	3.7	3.2	2.9	2.6	2.5	2.5	2.5	2.5	2.6	2.8	3.1
133.5°	3.8	3.3	2.9	2.7	2.6	2.5	2.5	2.6	2.7	2.9	3.2



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	4.0	3.4	3.0	2.8	2.7	2.6	2.7	2.7	2.8	3.0	3.4
135.5°	4.0	3.5	3.1	2.8	2.7	2.6	2.7	2.7	2.8	3.1	3.5
136°	4.1	3.5	3.1	2.9	2.7	2.7	2.7	2.8	2.9	3.1	3.5
136.5°	4.2	3.6	3.2	2.9	2.8	2.7	2.8	2.8	2.9	3.2	3.5
137°	4.2	3.6	3.2	3.0	2.8	2.8	2.8	2.9	3.0	3.2	3.5
137.5°	4.2	3.7	3.3	3.0	2.9	2.8	2.9	2.9	3.1	3.3	3.5
138°	4.1	3.8	3.3	3.1	2.9	2.8	2.9	2.9	3.1	3.4	3.4
138.5°	4.0	3.8	3.4	3.1	3.0	2.9	3.0	3.0	3.2	3.5	3.3
139°	4.0	3.9	3.4	3.1	3.0	2.9	3.0	3.0	3.3	3.6	3.3
139.5°	4.0	3.9	3.5	3.2	3.0	3.0	3.0	3.1	3.3	3.6	3.3
140°	4.0	4.0	3.6	3.2	3.1	3.0	3.1	3.1	3.4	3.7	3.3
140.5°	4.0	4.0	3.6	3.3	3.1	3.1	3.1	3.2	3.5	3.7	3.3
141°	3.9	4.1	3.8	3.3	3.2	3.1	3.2	3.3	3.6	3.7	3.2
141.5°	3.9	4.1	3.9	3.4	3.2	3.2	3.2	3.3	3.7	3.7	3.2
142°	3.9	4.1	3.9	3.5	3.3	3.2	3.3	3.4	3.8	3.7	3.2
142.5°	4.0	4.0	3.9	3.6	3.3	3.3	3.3	3.5	3.8	3.6	3.3
143°	4.0	3.9	4.0	3.7	3.4	3.3	3.4	3.6	3.8	3.5	3.3
143.5°	4.0	3.9	4.0	3.8	3.5	3.4	3.5	3.8	3.8	3.5	3.3
144°	4.0	3.9	4.1	3.9	3.6	3.5	3.7	3.9	3.9	3.5	3.3
144.5°	4.0	3.9	4.1	4.0	3.8	3.7	3.8	3.9	3.9	3.5	3.3
145°	3.9	3.8	4.0	4.0	3.9	3.8	3.9	3.9	3.8	3.5	3.3
145.5°	3.9	3.8	3.9	4.0	3.9	3.9	3.9	4.0	3.7	3.4	3.2
146°	3.9	3.8	3.8	4.1	4.0	3.9	4.0	4.0	3.6	3.4	3.2
146.5°	4.0	3.9	3.8	4.1	4.0	4.0	4.0	4.0	3.6	3.4	3.2
147°	4.0	3.9	3.8	4.0	4.1	4.1	4.1	3.9	3.6	3.4	3.2
147.5°	4.0	3.9	3.8	3.9	4.1	4.1	4.1	3.8	3.6	3.4	3.2
148°	4.0	3.9	3.8	3.8	4.0	4.1	4.0	3.7	3.6	3.4	3.2
148.5°	4.0	3.8	3.8	3.8	3.8	4.0	3.9	3.7	3.6	3.4	3.2
149°	4.0	3.8	3.8	3.8	3.8	3.9	3.8	3.7	3.6	3.4	3.2
149.5°	4.0	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.4	3.2
150°	4.0	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.3	3.2
150.5°	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.3	3.2
151°	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.3	3.2
151.5°	4.0	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.5	3.3	3.2
152°	4.1	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.5	3.3	3.2
152.5°	4.1	3.8	3.7	3.8	3.8	3.8	3.8	3.7	3.5	3.3	3.2
153°	4.1	3.8	3.7	3.8	3.8	3.8	3.8	3.7	3.5	3.3	3.2
153.5°	4.1	3.8	3.7	3.7	3.8	3.8	3.8	3.7	3.5	3.3	3.3
154°	4.2	3.8	3.7	3.7	3.7	3.8	3.7	3.7	3.5	3.3	3.3
154.5°	4.2	3.8	3.7	3.7	3.7	3.8	3.7	3.6	3.5	3.3	3.3
155°	4.2	3.9	3.7	3.7	3.7	3.8	3.7	3.6	3.5	3.4	3.3
155.5°	4.1	4.0	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.4	3.4
156°	4.0	4.0	3.8	3.7	3.7	3.7	3.7	3.6	3.6	3.4	3.4



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	4.2	4.0	3.9	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.5
158°	4.1	3.9	3.9	3.8	3.7	3.7	3.7	3.7	3.7	3.6	3.5
158.5°	3.8	3.9	3.9	3.8	3.7	3.7	3.7	3.8	3.7	3.7	3.6
159°	3.7	3.8	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.6
159.5°	3.7	3.8	4.1	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.6
160°	3.7	3.9	4.1	4.0	3.8	3.8	3.8	3.9	3.9	3.8	3.7
160.5°	3.7	3.8	4.1	4.0	3.9	3.9	3.9	3.9	4.0	3.9	3.7
161°	3.7	3.8	4.0	4.1	4.0	3.9	3.9	4.0	4.0	3.9	3.8
161.5°	3.6	3.7	3.9	4.2	4.0	4.0	4.0	4.0	4.1	4.0	3.8
162°	3.6	3.7	3.9	4.2	4.1	4.0	4.1	4.1	4.1	4.0	3.8
162.5°	3.6	3.7	3.8	4.2	4.1	4.1	4.1	4.2	4.2	4.1	3.8
163°	3.6	3.7	3.8	4.2	4.2	4.2	4.2	4.2	4.2	4.1	3.8
163.5°	3.5	3.6	3.8	4.1	4.2	4.2	4.2	4.2	4.2	4.0	3.8
164°	3.5	3.6	3.6	4.0	4.3	4.3	4.3	4.3	4.3	4.1	3.8
164.5°	3.5	3.6	3.6	3.9	4.3	4.3	4.3	4.4	4.3	4.2	3.4
165°	3.4	3.6	3.6	3.9	4.3	4.3	4.4	4.4	4.3	3.9	3.2
165.5°	3.4	3.6	3.6	3.8	4.3	4.4	4.4	4.4	4.2	3.4	3.6
166°	3.3	3.6	3.6	3.7	4.2	4.4	4.4	4.4	4.2	3.4	3.8
166.5°	3.3	3.6	3.6	3.6	4.1	4.4	4.4	4.4	4.2	3.9	3.3
167°	3.3	3.8	3.7	3.6	4.0	4.4	4.4	4.5	3.8	3.8	2.9
167.5°	3.3	3.9	3.7	3.5	4.0	4.4	4.4	4.5	3.4	3.2	3.4
168°	3.4	3.9	3.8	3.5	3.9	4.4	4.4	4.4	3.7	3.0	3.7
168.5°	3.5	3.9	4.1	3.6	3.7	4.3	4.4	4.3	4.1	3.7	3.5
169°	3.5	3.9	4.0	3.6	3.5	4.3	4.3	4.3	3.2	3.8	3.5
169.5°	3.4	3.8	4.0	3.7	3.5	4.2	4.3	4.0	2.9	3.7	3.6
170°	3.5	3.7	3.9	3.8	3.4	4.0	4.3	3.4	3.8	3.8	3.6
170.5°	3.6	3.7	3.8	3.9	3.4	4.0	4.2	3.3	3.9	3.8	3.6
171°	3.5	3.6	3.8	3.9	3.4	3.9	4.1	3.3	3.7	3.8	3.6
171.5°	3.5	3.6	3.7	3.8	3.4	3.7	4.1	2.9	3.8	3.7	3.5
172°	3.4	3.5	3.6	3.8	3.6	3.3	4.0	3.1	3.8	3.7	3.5
172.5°	3.4	3.5	3.6	3.7	3.6	3.3	3.8	3.5	3.7	3.6	3.4
173°	3.4	3.5	3.5	3.6	3.6	3.2	3.7	3.5	3.6	3.5	3.3
173.5°	3.3	3.4	3.5	3.6	3.6	3.2	3.1	3.6	3.5	3.4	3.2
174°	3.3	3.4	3.4	3.5	3.6	3.1	2.7	3.5	3.4	3.3	3.2
174.5°	3.3	3.4	3.4	3.4	3.5	3.0	2.5	3.4	3.3	3.2	3.2
175°	3.3	3.3	3.3	3.4	3.4	3.0	2.9	3.3	3.2	3.2	3.1
175.5°	3.3	3.3	3.3	3.3	3.4	3.0	3.3	3.2	3.2	3.1	3.1
176°	3.2	3.3	3.3	3.3	3.3	2.9	3.2	3.1	3.1	3.1	3.1
176.5°	3.2	3.2	3.2	3.2	3.2	2.9	3.1	3.1	3.1	3.1	3.1
177°	3.2	3.1	3.1	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1
177.5°	3.1	3.1	3.0	3.0	3.1	1.2	3.1	3.1	3.1	3.1	3.0
178°	3.0	3.0	3.0	3.1	3.1	1.8	3.1	3.1	3.1	3.0	3.0
178.5°	3.1	3.1	3.1	3.0	2.8	2.4	2.9	3.1	3.1	3.1	3.1



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**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: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1617.0	1617.0	1617.0	1617.0
0.5°	1616.7	1616.7	1616.6	1616.6
1°	1616.4	1616.4	1616.4	1616.5
1.5°	1616.0	1616.2	1616.2	1616.5
2°	1614.7	1615.4	1616.0	1616.2
2.5°	1613.3	1613.7	1615.0	1615.6
3°	1612.1	1613.1	1614.3	1614.5
3.5°	1611.4	1612.9	1613.2	1613.4
4°	1610.3	1612.0	1612.0	1612.7
4.5°	1608.0	1609.8	1610.3	1611.0
5°	1606.7	1607.9	1609.2	1609.9
5.5°	1605.6	1606.1	1607.7	1608.9
6°	1602.9	1605.1	1605.9	1607.6
6.5°	1600.5	1602.0	1604.1	1605.9
7°	1599.3	1599.8	1602.8	1604.3
7.5°	1596.3	1598.2	1599.3	1602.0
8°	1593.2	1595.4	1598.0	1600.4
8.5°	1589.9	1592.4	1595.7	1597.3
9°	1587.3	1589.5	1592.7	1595.6
9.5°	1584.2	1586.7	1589.7	1592.7
10°	1580.4	1582.9	1587.0	1589.5
10.5°	1577.2	1580.5	1583.2	1586.6
11°	1573.4	1577.7	1581.0	1583.2
11.5°	1569.7	1573.9	1578.0	1579.8
12°	1566.0	1570.1	1574.7	1576.5
12.5°	1561.4	1566.0	1570.7	1573.4
13°	1557.0	1561.8	1566.9	1569.7
13.5°	1552.7	1557.6	1563.2	1565.5
14°	1548.1	1553.5	1558.6	1561.6
14.5°	1543.2	1549.6	1554.2	1557.7
15°	1538.2	1544.6	1549.8	1553.2
15.5°	1532.9	1539.3	1545.2	1549.0
16°	1527.5	1534.5	1541.0	1544.0
16.5°	1522.0	1529.1	1536.5	1538.5
17°	1516.8	1523.8	1530.9	1533.4
17.5°	1511.0	1518.6	1525.0	1529.1
18°	1505.4	1513.4	1519.7	1524.4
18.5°	1499.6	1507.9	1514.5	1518.4
19°	1493.2	1501.9	1508.9	1512.8
19.5°	1486.1	1495.9	1503.1	1507.1
20°	1479.7	1489.6	1496.9	1501.5
20.5°	1473.6	1482.9	1491.0	1495.7
21°	1467.3	1476.2	1484.4	1490.0



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
22.5°	1445.2	1456.1	1465.3	1470.2
23°	1437.7	1449.1	1458.2	1464.3
23.5°	1430.3	1441.6	1451.0	1456.9
24°	1422.6	1434.5	1444.0	1449.9
24.5°	1414.6	1427.0	1436.9	1443.3
25°	1406.8	1419.1	1429.7	1436.2
25.5°	1398.1	1411.6	1421.7	1428.5
26°	1390.6	1403.6	1414.2	1421.0
26.5°	1382.0	1395.4	1406.3	1413.1
27°	1373.6	1387.4	1398.1	1405.3
27.5°	1364.6	1379.7	1390.1	1397.5
28°	1355.9	1370.5	1382.1	1389.1
28.5°	1346.8	1361.9	1373.6	1380.9
29°	1337.2	1353.0	1365.2	1373.3
29.5°	1328.8	1343.9	1356.3	1364.9
30°	1319.5	1335.4	1347.6	1355.9
30.5°	1309.7	1326.0	1338.9	1347.4
31°	1299.7	1317.1	1329.9	1338.7
31.5°	1290.5	1307.0	1320.6	1329.7
32°	1280.4	1297.6	1311.0	1319.9
32.5°	1270.7	1287.9	1301.7	1310.5
33°	1260.9	1278.7	1292.1	1301.5
33.5°	1251.1	1269.4	1282.4	1291.9
34°	1240.3	1259.1	1272.7	1281.9
34.5°	1230.3	1248.6	1262.5	1271.7
35°	1220.0	1238.8	1252.9	1262.3
35.5°	1209.2	1228.3	1242.7	1252.6
36°	1198.5	1218.1	1232.3	1242.4
36.5°	1187.9	1207.4	1222.9	1231.9
37°	1177.2	1196.7	1212.6	1221.7
37.5°	1166.6	1186.1	1202.4	1211.8
38°	1155.5	1175.5	1191.1	1201.9
38.5°	1143.4	1164.8	1179.8	1190.7
39°	1131.8	1153.6	1168.5	1179.1
39.5°	1120.5	1142.2	1157.5	1167.8
40°	1109.3	1131.1	1147.0	1156.7
40.5°	1098.0	1119.9	1136.2	1146.3
41°	1086.1	1108.3	1124.6	1135.2
41.5°	1074.6	1096.5	1113.5	1123.6
42°	1062.4	1085.0	1102.0	1112.6
42.5°	1050.6	1073.5	1090.2	1101.5
43°	1038.7	1061.6	1078.5	1089.8
43.5°	1026.8	1049.6	1067.1	1077.6



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
45°	990.4	1014.4	1031.6	1042.2
45.5°	978.5	1002.1	1019.2	1030.7
46°	966.1	990.1	1007.2	1018.2
46.5°	953.9	977.9	994.9	1005.6
47°	942.0	965.7	982.9	993.3
47.5°	929.3	953.5	970.7	981.5
48°	917.1	940.5	958.0	969.5
48.5°	904.3	928.5	945.9	956.8
49°	892.0	916.2	933.7	944.9
49.5°	879.7	903.4	921.0	932.3
50°	866.8	890.8	908.2	919.7
50.5°	854.4	878.5	895.6	906.8
51°	842.4	865.5	883.3	894.4
51.5°	829.8	853.3	870.9	881.6
52°	816.8	840.5	857.6	869.3
52.5°	804.2	827.7	845.2	856.1
53°	791.5	815.1	832.2	843.4
53.5°	779.2	802.2	819.6	830.6
54°	766.6	789.5	806.7	817.9
54.5°	754.2	776.8	793.9	804.8
55°	741.8	764.2	781.0	791.6
55.5°	728.2	751.7	768.0	779.0
56°	715.7	738.1	754.9	765.7
56.5°	703.4	725.8	742.4	752.9
57°	691.0	712.9	729.3	740.4
57.5°	678.0	700.2	716.6	726.9
58°	665.4	686.8	703.1	713.7
58.5°	652.8	674.1	690.2	700.9
59°	640.7	661.2	677.3	687.6
59.5°	627.7	648.4	664.5	674.7
60°	615.1	635.4	651.5	661.3
60.5°	602.3	622.8	638.3	648.3
61°	590.2	610.0	625.1	635.2
61.5°	577.4	597.1	612.0	622.2
62°	564.9	584.3	599.0	608.9
62.5°	552.4	571.8	585.9	595.8
63°	540.3	558.8	572.9	582.7
63.5°	527.6	546.0	559.9	569.7
64°	515.0	533.3	546.8	556.4
64.5°	502.7	520.4	534.1	542.9
65°	490.7	507.5	521.1	529.6
65.5°	478.1	495.1	507.9	516.1
66°	466.3	482.7	494.9	502.7



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
67.5°	429.6	444.7	456.4	463.6
68°	417.4	431.8	443.2	450.7
68.5°	405.2	419.5	430.1	437.5
69°	393.6	406.7	417.6	424.4
69.5°	381.6	394.2	404.6	411.5
70°	369.6	382.0	392.0	398.4
70.5°	357.7	369.7	379.1	385.4
71°	346.0	357.2	366.5	372.7
71.5°	334.2	344.9	353.7	359.8
72°	322.6	332.8	341.0	347.2
72.5°	310.9	320.8	328.2	334.4
73°	299.4	308.4	315.9	321.4
73.5°	288.3	296.7	303.5	308.4
74°	276.9	284.5	291.2	296.1
74.5°	265.4	272.6	278.8	283.6
75°	254.3	260.5	266.3	271.2
75.5°	243.4	249.1	254.1	258.5
76°	232.7	237.4	242.5	246.3
76.5°	221.7	226.2	230.2	234.2
77°	211.1	214.6	218.5	222.1
77.5°	200.4	203.6	206.7	209.9
78°	190.1	192.2	195.2	198.3
78.5°	180.0	181.5	183.4	186.4
79°	169.9	170.8	172.3	174.7
79.5°	160.1	160.4	161.5	163.3
80°	150.8	150.4	151.0	152.5
80.5°	141.6	140.5	140.6	141.4
81°	132.4	130.6	130.1	130.5
81.5°	123.2	120.6	119.6	119.9
82°	114.0	110.7	109.1	109.6
82.5°	105.4	101.6	99.2	98.9
83°	96.8	92.7	90.0	89.6
83.5°	88.7	83.8	80.6	80.2
84°	81.0	75.3	71.8	71.2
84.5°	73.7	67.4	63.2	62.3
85°	66.4	59.8	55.3	54.2
85.5°	59.9	52.6	47.5	47.1
86°	53.6	45.9	40.4	40.1
86.5°	47.6	39.6	33.7	33.0
87°	42.0	33.7	27.6	26.0
87.5°	37.0	28.4	23.2	19.9
88°	32.3	23.8	18.9	14.5
88.5°	28.1	20.6	14.6	9.7



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
90°	18.0	11.2	4.1	3.1
90.5°	16.2	8.2	2.8	1.7
91°	14.4	6.8	2.0	0.3
91.5°	12.7	5.6	1.6	0.3
92°	10.9	4.9	1.4	0.2
92.5°	9.2	4.4	1.2	0.2
93°	8.4	4.1	1.1	0.2
93.5°	7.7	3.8	1.1	0.2
94°	7.3	3.5	1.0	0.2
94.5°	6.9	3.3	1.0	0.3
95°	6.6	3.2	1.0	0.4
95.5°	6.2	3.1	1.0	0.4
96°	5.8	3.1	1.0	0.5
96.5°	5.6	3.1	1.0	0.5
97°	5.4	3.0	0.9	0.6
97.5°	5.4	2.9	0.9	0.7
98°	5.3	2.8	0.9	0.7
98.5°	5.3	2.7	0.9	0.8
99°	5.3	2.6	0.9	0.8
99.5°	5.2	2.5	1.0	0.9
100°	5.1	2.5	1.0	1.0
100.5°	5.0	2.5	1.1	1.1
101°	4.8	2.5	1.2	1.2
101.5°	4.6	2.5	1.2	1.3
102°	4.4	2.4	1.3	1.4
102.5°	4.3	2.4	1.4	1.5
103°	4.2	2.3	1.4	1.6
103.5°	4.0	2.2	1.5	1.6
104°	3.9	2.1	1.6	1.7
104.5°	3.8	2.0	1.6	1.7
105°	3.8	1.9	1.7	1.7
105.5°	3.7	1.9	1.7	1.7
106°	3.6	1.9	1.8	1.7
106.5°	3.5	1.8	2.1	1.7
107°	3.4	1.7	2.3	1.7
107.5°	3.2	1.7	2.1	1.7
108°	3.1	1.6	2.1	1.7
108.5°	3.0	1.6	2.1	1.7
109°	2.9	1.6	2.0	1.7
109.5°	2.7	1.7	2.0	1.7
110°	2.6	1.7	2.0	1.7
110.5°	2.6	1.7	2.0	1.7
111°	2.5	1.7	2.0	1.7



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
135°	3.0	2.8	2.6	2.5
135.5°	3.0	2.8	2.6	2.5
136°	3.0	2.8	2.7	2.5
136.5°	3.0	2.8	2.7	2.4
137°	3.1	2.8	2.7	2.5
137.5°	3.1	2.8	2.6	2.5
138°	3.1	2.8	2.5	2.5
138.5°	3.1	2.9	2.5	2.5
139°	3.1	2.9	2.6	2.5
139.5°	3.1	2.9	2.6	2.5
140°	3.1	3.0	2.7	2.5
140.5°	3.1	3.0	2.7	2.6
141°	3.1	3.0	2.7	2.6
141.5°	3.1	3.0	2.7	2.6
142°	3.1	3.0	2.7	2.6
142.5°	3.1	3.0	2.7	2.6
143°	3.1	3.0	2.7	2.6
143.5°	3.1	3.0	2.7	2.6
144°	3.1	3.1	2.7	2.6
144.5°	3.1	3.1	2.7	2.6
145°	3.1	3.1	2.7	2.6
145.5°	3.1	3.1	2.7	2.6
146°	3.1	3.1	2.7	2.6
146.5°	3.2	3.1	2.7	2.5
147°	3.2	3.1	2.7	2.5
147.5°	3.2	3.2	2.7	2.5
148°	3.2	3.2	2.7	2.5
148.5°	3.2	3.2	2.7	2.6
149°	3.2	3.2	2.7	2.5
149.5°	3.2	3.2	2.7	2.5
150°	3.3	3.2	2.7	2.5
150.5°	3.3	3.2	2.6	2.5
151°	3.3	3.2	2.6	2.4
151.5°	3.3	3.2	2.6	2.3
152°	3.3	3.2	2.6	2.2
152.5°	3.3	3.1	2.6	2.3
153°	3.3	3.1	2.5	2.2
153.5°	3.3	3.0	2.4	2.0
154°	3.3	3.0	2.3	1.9
154.5°	3.4	3.0	2.2	1.9
155°	3.4	2.9	2.2	1.9
155.5°	3.4	2.8	2.1	1.9
156°	3.4	2.7	2.0	1.8



TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**CANDELA DISTRIBUTION (continued):**

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





TEST NUMBER: P563566

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-5000K

**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°	1483.8	1487.3	1487.0	1484.2	1478.8	1472.4	1465.6	1459.8	1455.0	1452.6	1451.6
22°	1476.7	1480.6	1480.5	1477.4	1472.0	1465.3	1457.8	1451.9	1447.6	1444.3	1443.6



44°	1065.9	1069.8	1064.8	1053.5	1035.3	1012.8	990.0	970.4	956.1	948.9	949.9
44.5°	1054.1	1057.4	1053.3	1041.3	1023.0	1000.2	977.8	957.9	943.4	936.5	936.5





66.5°	489.5	494.1	492.9	486.0	474.9	459.5	445.3	432.8	423.8	418.5	417.0
67°	476.4	480.7	480.2	473.9	462.8	448.3	434.8	422.4	413.3	408.4	407.4



89°	6.0	11.8	22.5	34.7	46.2	54.2	60.6	64.3	65.7	65.2	62.8
89.5°	4.5	8.3	18.5	30.3	41.6	50.2	56.5	59.8	61.3	60.8	58.5



111.5°	1.8	1.7	1.4	1.3	1.7	2.7	3.9	5.0	5.9	6.1	5.9
112°	1.8	1.7	1.5	1.3	1.7	2.5	3.7	4.8	5.6	5.8	5.6



134°	2.5	2.5	2.5	3.1	3.1	2.7	2.7	2.8	2.8	2.9	3.0
134.5°	2.5	2.6	2.5	3.1	3.2	2.8	2.8	2.8	2.9	3.0	3.1



156.5°	1.7	2.6	3.1	3.0	3.0	3.0	3.2	3.5	3.7	3.9	3.9
157°	1.7	2.6	3.1	3.0	3.0	3.0	3.2	3.4	3.7	3.8	3.8



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





21.5°	1453.0	1456.8	1460.2	1464.5	1468.6	1470.4	1470.5	1468.6	1464.1	1457.2	1448.5
22°	1445.0	1448.5	1452.9	1457.6	1462.0	1463.5	1463.8	1462.0	1456.9	1449.9	1441.0





44°	956.8	971.1	989.5	1006.7	1022.2	1033.3	1037.6	1035.8	1028.3	1014.4	994.2
44.5°	944.5	959.0	977.0	994.0	1009.9	1021.0	1024.8	1024.0	1016.5	1002.2	981.6



66.5°	420.1	426.5	435.2	444.1	451.9	457.1	456.0	455.1	449.5	441.5	429.9
67°	410.1	415.9	424.2	432.3	439.4	443.6	443.3	442.1	436.7	428.9	417.8



89°	58.6	52.6	45.2	34.4	23.2	12.4	5.0	0.8	4.1	11.5	18.8
89.5°	54.7	48.9	40.9	30.7	19.8	9.9	3.9	0.7	3.0	8.6	17.0



111.5°	5.1	4.0	3.0	2.2	2.2	2.7	3.3	3.0	3.5	2.6	3.0
112°	4.9	3.9	2.8	2.2	2.3	2.8	3.3	3.1	3.6	2.7	3.0



134°	3.2	3.7	4.2	5.2	5.3	4.2	3.7	3.4	4.3	4.5	4.1
134.5°	3.3	3.7	4.3	5.3	5.2	4.2	3.7	3.4	4.3	4.5	4.1



156.5°	3.8	3.6	3.5	3.6	3.6	3.4	3.3	2.8	3.0	3.4	3.8
157°	3.7	3.6	3.5	3.6	3.5	3.4	3.1	2.8	3.0	3.4	3.8



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







21.5°	1439.0	1428.9	1420.6	1413.6	1410.2	1409.4	1411.4	1417.6	1426.4	1437.7	1449.1
22°	1431.4	1420.4	1411.6	1405.5	1401.8	1400.1	1403.0	1408.4	1417.8	1429.2	1441.2



44°	971.5	946.5	924.3	906.6	895.8	893.0	898.6	912.6	934.0	959.9	988.7
44.5°	959.4	933.6	911.7	894.1	882.9	880.0	885.9	900.3	921.6	947.7	975.8



66.5°	417.0	403.7	392.2	383.6	378.7	378.2	382.0	390.4	402.6	418.5	436.0
67°	405.2	392.6	381.9	373.8	369.1	368.6	371.9	380.4	392.1	407.2	424.4



89°	27.4	35.2	41.4	45.8	48.7	49.9	49.7	47.9	44.6	39.3	32.4
89.5°	24.5	32.0	38.0	42.5	45.4	46.5	46.2	44.4	40.9	35.7	28.8



111.5°	4.8	6.8	8.4	9.4	10.0	10.3	10.1	9.1	7.7	6.1	4.2
112°	4.6	6.6	8.2	9.2	9.8	10.1	9.8	8.9	7.5	6.0	4.0



134°	3.9	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.7	2.9	3.3
134.5°	3.9	3.4	3.0	2.8	2.6	2.6	2.6	2.7	2.7	3.0	3.4



156.5°	4.1	4.0	3.8	3.7	3.7	3.7	3.7	3.6	3.6	3.5	3.4
157°	4.2	4.0	3.8	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.5



179°	3.0	2.9	2.8	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.1
179.5°	2.6	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	2.9	2.9







21.5°	1460.0	1470.1	1477.9	1483.8
22°	1452.3	1463.7	1472.0	1476.7



44°	1014.9	1038.2	1054.9	1065.9
44.5°	1003.5	1026.0	1043.3	1054.1



66.5°	453.8	469.9	482.0	489.5
67°	441.6	457.3	469.4	476.4



89°	24.3	17.5	10.2	6.0
89.5°	20.9	14.4	6.1	4.5



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



134°	3.0	2.8	2.7	2.5
134.5°	3.0	2.8	2.7	2.5



156.5°	3.4	2.7	1.9	1.7
157°	3.4	2.7	1.9	1.7





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



(END OF REPORT)