

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: P563564

Luminaire Tested: **4NWS3C3MS-UNV-MED-3500K**

Issue Date: 7/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563564  
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-3500K  
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND MED LUMEN SETTING  
Light Source: -  
Ballast/Driver:

**Summary**

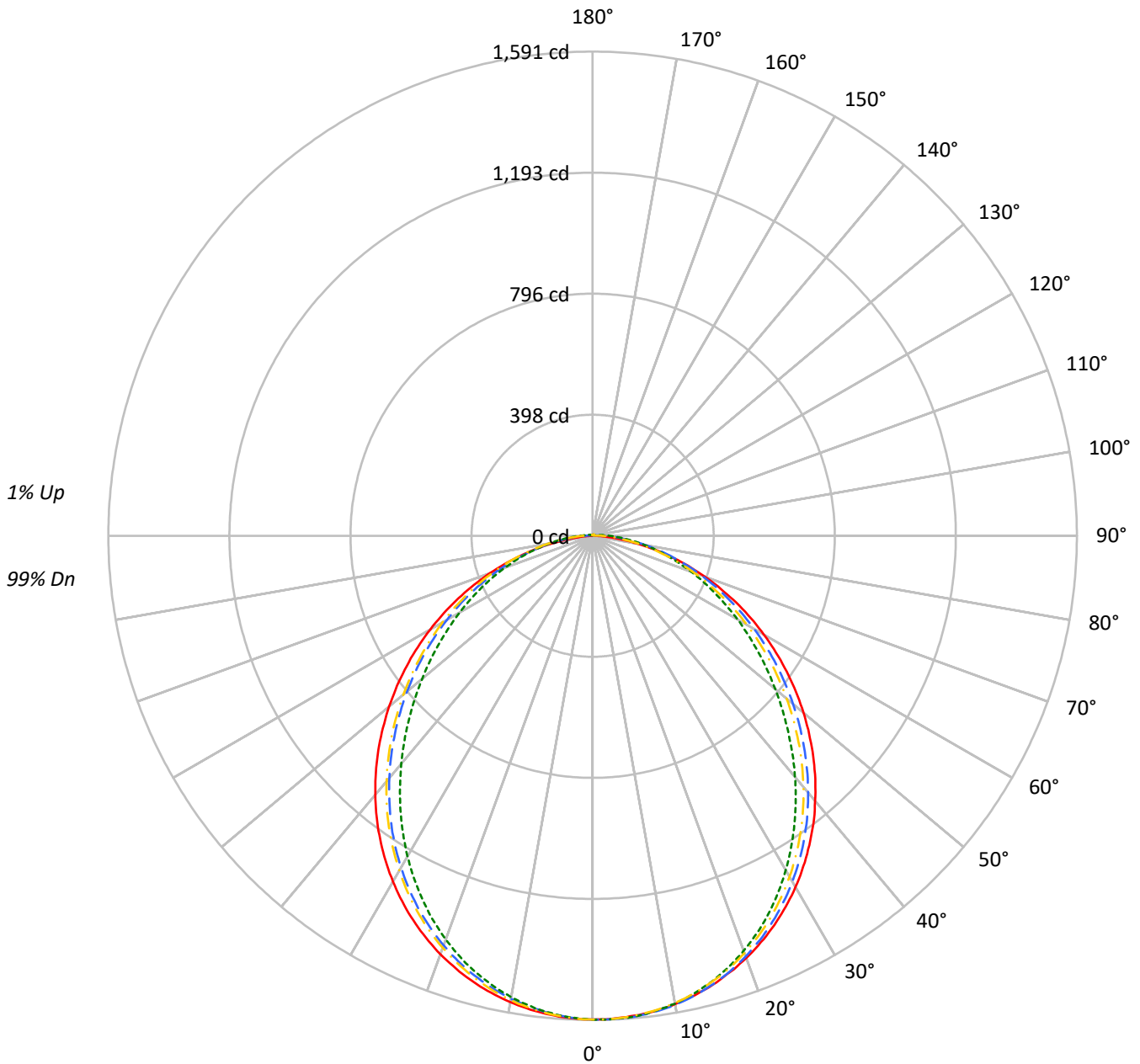
Lumens per Lamp: N/A  
Luminaire Lumens: 4145.0 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.17 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 32.7  
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

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### Luminous Intensity Polar Plot





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

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

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

	0°	90°	180°	270°
0°	9664	9664	9664	9664
5°	9640	9518	9623	9448
10°	9610	9327	9569	9199
15°	9556	9082	9491	8896
20°	9477	8784	9393	8547
25°	9379	8439	9262	8143
30°	9245	8035	9099	7702
35°	9077	7583	8902	7217
40°	8869	7091	8662	6704
45°	8629	6575	8381	6175
50°	8344	6050	8051	5650
55°	8010	5547	7670	5135
60°	7629	5045	7229	4631
65°	7170	4536	6698	4119
70°	6586	4026	6019	3589
75°	5811	3493	5103	3022
80°	4698	2921	3821	2426
85°	3005	2334	1928	1855



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.0	3.6
10°-20°	425.9	10.3
20°-30°	632.5	15.3
30°-40°	737.3	17.8
40°-50°	729.9	17.6
50°-60°	626.8	15.1
60°-70°	458.7	11.1
70°-80°	260.4	6.3
80°-90°	86.8	2.1
90°-100°	15.7	0.4
100°-110°	6.6	0.2
110°-120°	4.0	0.1
120°-130°	2.8	0.1
130°-140°	2.5	0.1
140°-150°	2.3	0.1
150°-160°	1.6	0.0
160°-170°	0.9	0.0
170°-180°	0.3	0.0
0°-30°	1208.4	29.2
0°-40°	1945.7	46.9
0°-60°	3302.3	79.7
0°-90°	4108.3	99.1
90°-120°	26.3	0.6
90°-150°	33.9	0.8
90°-180°	37.0	0.9
0°-180°	4145.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1590	1590	1590	1590	1590	
5°	1583	1586	1580	1574	1583	150
15°	1527	1516	1517	1485	1527	431
25°	1412	1368	1394	1320	1412	650
35°	1241	1156	1217	1100	1241	776
45°	1025	908	995	853	1025	790
55°	778	664	745	614	778	696
65°	521	442	486	402	521	515
75°	267	253	234	219	267	282
85°	53	105	34	84	53	64
90°	3	56	1	43	3	3
95°	0	27	1	22	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°	2	4	3	4	2	2
155°	2	4	3	4	2	1
165°	2	3	3	4	2	0
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°	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8
0.5°	1589.4	1589.5	1589.6	1589.7	1589.9	1590.0	1590.1	1590.2	1590.2	1590.2	1590.2
1°	1589.2	1589.4	1589.7	1590.0	1590.2	1590.3	1590.4	1590.3	1589.8	1589.3	1589.7
1.5°	1589.3	1589.9	1590.0	1589.4	1589.2	1589.4	1590.0	1590.4	1589.8	1590.6	1590.7
2°	1589.0	1589.4	1589.5	1589.4	1589.8	1590.3	1590.6	1590.6	1589.7	1589.8	1590.1
2.5°	1588.4	1588.8	1588.9	1589.0	1589.0	1588.5	1588.7	1588.6	1590.2	1589.2	1588.6
3°	1587.3	1587.6	1588.3	1588.6	1589.0	1589.1	1589.5	1589.7	1589.2	1589.0	1589.1
3.5°	1586.2	1587.0	1587.7	1588.9	1588.4	1588.7	1588.8	1588.3	1588.8	1587.7	1587.3
4°	1585.5	1586.9	1586.5	1588.0	1587.6	1587.9	1587.8	1587.5	1586.7	1588.4	1586.9
4.5°	1583.8	1585.1	1585.6	1586.5	1587.3	1587.2	1586.5	1587.3	1586.7	1586.8	1585.3
5°	1582.8	1584.1	1584.5	1585.1	1586.1	1586.0	1584.6	1585.1	1585.6	1585.5	1584.2
5.5°	1581.8	1583.0	1583.6	1583.9	1584.4	1583.9	1583.4	1583.4	1584.0	1583.7	1582.2
6°	1580.5	1581.6	1581.9	1582.6	1583.4	1582.7	1582.3	1581.9	1582.0	1581.6	1580.0
6.5°	1578.8	1580.1	1580.4	1580.9	1581.8	1581.1	1581.3	1580.2	1580.2	1580.1	1578.3
7°	1577.3	1578.0	1579.3	1578.9	1579.0	1578.1	1579.5	1578.0	1577.8	1577.7	1576.4
7.5°	1575.1	1575.9	1577.0	1577.9	1577.7	1576.9	1576.5	1575.9	1575.3	1574.1	1574.2
8°	1573.4	1573.5	1575.2	1575.4	1575.4	1574.8	1574.2	1573.7	1573.1	1572.3	1571.9
8.5°	1570.4	1570.8	1573.1	1572.8	1573.1	1572.7	1571.8	1571.1	1570.1	1569.5	1568.3
9°	1568.7	1570.1	1570.3	1570.9	1571.0	1570.3	1568.7	1568.4	1567.2	1567.7	1565.4
9.5°	1565.9	1567.3	1568.4	1568.1	1568.4	1567.0	1565.2	1565.1	1564.4	1562.8	1562.3
10°	1562.7	1564.5	1565.4	1565.5	1565.3	1564.2	1562.4	1561.3	1560.9	1561.1	1559.6
10.5°	1559.8	1561.3	1562.8	1562.9	1562.2	1561.0	1559.0	1557.9	1557.2	1557.0	1555.7
11°	1556.6	1557.6	1559.4	1559.5	1559.0	1558.2	1555.1	1554.6	1554.3	1553.3	1552.0
11.5°	1553.2	1555.3	1556.1	1556.5	1555.2	1554.6	1551.6	1551.2	1550.2	1549.4	1548.1
12°	1550.0	1551.9	1553.3	1553.4	1551.9	1550.7	1548.4	1547.2	1545.0	1545.4	1543.2
12.5°	1546.9	1548.4	1549.8	1549.9	1547.8	1547.0	1544.6	1543.0	1541.2	1540.7	1539.5
13°	1543.2	1545.3	1546.3	1545.8	1543.5	1543.2	1540.2	1538.8	1537.1	1535.5	1534.9
13.5°	1539.1	1541.6	1542.7	1542.2	1539.8	1539.0	1535.0	1533.9	1532.3	1530.5	1529.1
14°	1535.3	1537.6	1538.6	1538.7	1535.6	1533.9	1531.1	1529.1	1527.4	1525.4	1524.7
14.5°	1531.4	1533.6	1534.5	1534.5	1530.9	1529.7	1526.9	1524.0	1521.5	1521.0	1518.9
15°	1527.0	1529.6	1530.2	1529.8	1527.0	1525.2	1521.6	1519.0	1516.6	1515.8	1514.5
15.5°	1523.0	1525.4	1525.4	1524.8	1522.8	1520.5	1515.9	1514.2	1511.2	1510.4	1508.5
16°	1518.0	1521.0	1521.4	1520.4	1517.5	1515.0	1510.9	1508.5	1506.0	1504.1	1502.4
16.5°	1512.6	1516.3	1517.1	1515.9	1512.5	1509.7	1505.3	1502.4	1500.0	1497.6	1497.1
17°	1507.6	1511.7	1511.7	1511.1	1507.9	1504.4	1499.9	1496.3	1493.6	1492.3	1491.5
17.5°	1503.3	1506.4	1506.8	1505.7	1502.6	1498.6	1493.2	1490.4	1486.9	1486.3	1484.5
18°	1498.7	1501.1	1501.9	1500.4	1496.7	1493.0	1487.7	1484.2	1480.8	1479.0	1478.3
18.5°	1492.9	1496.6	1497.0	1495.3	1491.3	1487.2	1481.5	1477.5	1474.7	1472.3	1471.5
19°	1487.3	1491.5	1491.8	1489.5	1485.7	1480.9	1475.6	1470.9	1467.5	1465.3	1465.0
19.5°	1481.7	1485.4	1485.7	1483.7	1479.5	1474.3	1468.6	1464.3	1460.2	1459.2	1456.7
20°	1476.2	1479.6	1479.6	1477.7	1473.4	1467.9	1461.5	1457.0	1453.4	1450.7	1450.0
20.5°	1470.5	1474.1	1474.0	1471.7	1467.3	1461.6	1454.6	1449.6	1446.2	1443.6	1442.3
21°	1464.9	1468.4	1468.0	1465.5	1460.3	1454.7	1448.0	1442.3	1438.9	1435.5	1434.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1445.4	1449.1	1449.4	1445.8	1440.5	1433.6	1425.8	1419.5	1414.9	1412.3	1410.6
23°	1439.6	1442.8	1442.4	1439.1	1433.5	1426.4	1418.3	1411.5	1406.5	1404.7	1402.8
23.5°	1432.4	1436.2	1435.8	1432.2	1426.4	1418.6	1410.6	1403.1	1398.0	1395.4	1394.1
24°	1425.5	1429.5	1429.2	1424.9	1418.8	1411.0	1401.9	1394.7	1389.4	1386.8	1385.7
24.5°	1419.0	1422.4	1421.9	1417.9	1410.9	1403.0	1394.7	1386.7	1380.7	1377.8	1376.3
25°	1412.0	1415.7	1414.6	1410.6	1403.7	1394.9	1386.2	1378.0	1371.7	1368.2	1367.5
25.5°	1404.4	1408.2	1407.4	1402.9	1396.5	1386.8	1377.4	1369.0	1363.0	1359.5	1358.1
26°	1397.1	1400.2	1399.9	1394.7	1388.5	1378.2	1368.4	1359.6	1353.1	1349.2	1349.1
26.5°	1389.3	1393.0	1391.4	1387.5	1379.5	1369.7	1359.3	1350.6	1343.9	1340.4	1339.0
27°	1381.6	1385.9	1383.8	1379.0	1371.1	1361.2	1350.4	1341.3	1334.4	1330.1	1330.0
27.5°	1374.0	1378.0	1376.5	1370.6	1362.8	1352.0	1342.2	1331.7	1323.9	1321.0	1320.0
28°	1365.7	1370.0	1368.7	1362.7	1354.3	1343.2	1331.6	1322.4	1314.5	1310.7	1309.5
28.5°	1357.6	1361.9	1360.5	1354.7	1346.0	1334.5	1322.5	1312.7	1303.9	1299.5	1299.0
29°	1350.2	1353.9	1352.2	1346.0	1336.6	1325.0	1313.2	1302.5	1294.8	1290.3	1289.1
29.5°	1341.9	1345.8	1343.5	1337.7	1327.7	1315.7	1303.9	1292.4	1283.3	1279.6	1279.6
30°	1333.0	1336.5	1335.0	1328.2	1318.6	1306.1	1293.4	1282.2	1273.3	1268.7	1269.0
30.5°	1324.7	1328.0	1326.3	1320.0	1309.4	1296.1	1283.4	1271.9	1261.7	1258.2	1257.5
31°	1316.2	1319.9	1317.3	1311.1	1300.5	1286.8	1272.9	1261.2	1252.1	1247.6	1246.4
31.5°	1307.3	1311.2	1308.6	1301.4	1291.1	1277.2	1262.6	1250.2	1241.1	1236.2	1235.1
32°	1297.6	1301.5	1299.2	1291.7	1280.9	1266.6	1252.4	1239.9	1230.1	1224.8	1224.5
32.5°	1288.5	1292.2	1290.0	1282.0	1271.0	1256.4	1242.1	1229.2	1219.8	1213.6	1213.4
33°	1279.6	1283.4	1280.5	1273.2	1261.2	1246.6	1231.7	1218.0	1208.3	1202.6	1202.4
33.5°	1270.1	1273.8	1271.2	1263.7	1251.5	1236.2	1221.0	1207.3	1196.5	1190.9	1190.6
34°	1260.3	1264.6	1261.5	1253.4	1241.5	1225.3	1209.5	1195.7	1185.2	1179.2	1179.1
34.5°	1250.3	1254.8	1251.8	1243.6	1231.4	1214.8	1198.4	1183.7	1173.3	1167.9	1167.2
35°	1241.0	1245.2	1242.4	1233.8	1220.7	1204.1	1187.7	1172.4	1161.2	1156.0	1155.8
35.5°	1231.5	1235.2	1232.8	1223.8	1210.0	1193.0	1176.3	1161.1	1149.5	1144.3	1144.0
36°	1221.4	1225.8	1222.0	1213.6	1199.8	1182.2	1165.1	1149.5	1137.5	1132.5	1132.0
36.5°	1211.1	1215.1	1212.0	1202.7	1189.5	1171.5	1153.8	1137.6	1125.8	1119.8	1120.4
37°	1201.2	1204.7	1201.7	1192.5	1178.5	1160.6	1142.5	1126.2	1113.2	1107.9	1108.2
37.5°	1191.4	1194.3	1191.3	1182.1	1167.5	1149.3	1130.7	1114.2	1101.6	1095.7	1095.9
38°	1181.6	1184.0	1181.3	1171.0	1156.6	1137.8	1118.9	1102.2	1089.8	1083.3	1083.1
38.5°	1170.6	1173.6	1169.8	1160.3	1145.3	1126.4	1107.1	1090.0	1077.7	1071.8	1071.3
39°	1159.2	1163.0	1159.4	1149.4	1134.2	1115.1	1095.6	1078.0	1065.7	1059.0	1058.5
39.5°	1148.1	1152.7	1148.6	1138.6	1122.7	1103.0	1083.8	1065.9	1052.8	1046.9	1046.9
40°	1137.2	1141.6	1138.0	1127.0	1111.5	1091.2	1071.3	1053.8	1040.4	1034.3	1034.4
40.5°	1127.0	1130.5	1127.1	1116.2	1100.0	1079.7	1059.3	1041.4	1027.7	1021.7	1021.3
41°	1116.1	1119.4	1115.9	1104.8	1088.5	1067.6	1047.3	1029.2	1015.4	1009.4	1008.6
41.5°	1104.7	1108.1	1104.3	1093.8	1076.9	1055.9	1034.8	1016.5	1002.3	996.4	996.3
42°	1093.8	1097.5	1093.3	1081.8	1065.6	1044.3	1023.4	1004.3	990.4	984.5	983.6
42.5°	1082.9	1086.2	1081.9	1071.0	1053.1	1032.1	1011.0	992.1	978.0	971.5	971.0
43°	1071.4	1074.7	1070.5	1058.6	1041.4	1019.9	998.6	979.4	965.3	959.2	958.6
43.5°	1059.4	1063.4	1058.8	1047.5	1030.1	1007.9	986.1	966.9	952.6	946.2	946.2



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CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	1024.7	1028.2	1023.7	1011.6	994.2	971.2	949.1	929.3	914.8	908.3	908.1
45.5°	1013.3	1016.6	1011.8	999.5	981.5	958.9	936.7	916.8	902.6	895.4	895.5
46°	1001.1	1004.8	1000.1	987.7	969.4	946.5	923.9	904.3	890.4	882.3	883.1
46.5°	988.6	992.4	987.9	975.6	957.1	934.1	911.2	891.8	877.1	870.6	870.7
47°	976.6	980.8	976.6	963.5	945.2	921.7	898.8	879.0	864.3	858.0	857.7
47.5°	964.9	968.5	964.3	952.0	933.2	909.4	886.8	866.1	851.9	845.4	845.0
48°	953.2	956.6	951.9	939.9	921.2	896.9	874.2	853.9	839.8	832.4	833.1
48.5°	940.7	943.9	939.4	927.4	908.6	884.6	862.1	841.5	826.8	820.4	820.6
49°	929.0	932.7	927.1	914.4	896.1	872.3	849.3	829.2	814.7	807.7	807.7
49.5°	916.6	919.9	915.8	902.7	883.5	859.8	837.2	816.7	802.0	795.3	795.7
50°	904.2	908.0	903.1	890.6	871.0	847.2	824.9	804.2	790.3	782.7	783.1
50.5°	891.5	895.4	890.7	878.5	858.9	835.0	812.3	791.7	777.3	770.6	770.4
51°	879.3	883.1	878.0	865.2	846.6	822.5	800.0	779.8	765.8	758.3	757.9
51.5°	866.8	870.6	865.6	853.3	834.2	810.2	787.2	767.4	752.9	747.0	746.3
52°	854.6	858.4	853.6	840.7	821.6	798.1	775.3	755.5	741.2	734.0	734.2
52.5°	841.7	845.4	840.4	828.1	809.0	785.2	762.9	743.3	729.4	722.4	722.3
53°	829.2	833.1	828.2	815.5	796.5	772.9	750.5	731.1	717.5	710.0	709.7
53.5°	816.6	820.2	815.4	803.1	783.9	760.7	738.5	719.2	704.5	698.6	697.8
54°	804.1	807.4	803.0	790.8	771.6	748.2	726.4	707.0	693.1	686.2	686.4
54.5°	791.2	795.0	790.1	778.1	759.6	735.7	713.8	694.8	681.0	674.4	674.4
55°	778.2	782.4	777.9	765.6	746.6	723.3	701.6	682.8	669.5	663.6	662.3
55.5°	765.9	769.6	764.9	753.2	734.7	711.4	689.6	670.6	657.4	651.4	650.4
56°	752.8	756.6	752.5	740.5	722.2	699.6	678.1	658.8	646.0	639.5	639.1
56.5°	740.2	744.2	739.8	728.0	710.0	687.2	665.8	647.3	634.5	628.1	627.6
57°	727.9	731.2	726.9	715.3	697.1	675.0	653.8	635.6	622.5	616.7	616.0
57.5°	714.7	718.9	713.7	703.0	685.2	663.1	642.0	623.8	611.4	605.2	604.5
58°	701.6	705.6	701.8	689.8	672.1	651.0	630.3	612.5	599.9	593.4	593.6
58.5°	689.1	692.9	688.6	677.7	660.1	638.6	618.3	600.7	588.6	582.4	582.0
59°	676.1	680.5	676.0	665.1	647.9	626.7	606.5	589.1	577.7	571.8	570.8
59.5°	663.3	667.1	663.2	652.7	635.6	614.7	595.0	578.3	566.6	561.1	559.1
60°	650.1	654.3	650.8	639.9	623.1	602.8	583.2	567.2	555.5	549.8	548.1
60.5°	637.4	641.1	637.8	627.5	611.6	591.0	572.3	556.3	544.3	538.6	537.1
61°	624.5	628.0	625.0	615.2	599.5	579.5	557.8	544.9	533.1	527.3	526.1
61.5°	611.7	615.8	611.9	601.9	586.8	567.4	546.1	533.4	521.9	516.1	515.1
62°	598.7	603.0	599.9	589.9	574.2	555.3	535.5	522.1	510.7	504.9	504.1
62.5°	585.8	589.7	587.1	577.8	562.5	543.6	524.8	510.8	499.6	493.9	493.1
63°	572.9	577.0	574.2	565.3	550.4	532.0	514.1	499.6	489.0	483.5	482.6
63.5°	560.1	563.8	561.5	552.3	538.2	520.3	503.5	488.8	478.5	473.1	472.3
64°	547.0	550.8	548.2	541.2	526.0	508.7	492.1	478.3	468.0	462.7	461.7
64.5°	533.8	537.7	535.5	537.2	514.2	497.1	481.3	467.5	457.6	452.2	451.0
65°	520.7	524.7	522.8	522.2	503.0	485.4	470.4	456.9	447.1	442.2	440.9
65.5°	507.4	511.6	510.1	507.4	490.9	474.0	459.3	446.3	436.9	431.6	430.5
66°	494.2	498.6	497.4	492.5	478.7	462.8	448.4	435.8	426.8	421.5	420.6





TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	455.8	459.9	459.4	453.6	443.3	429.6	416.5	405.3	396.6	391.6	390.4
68°	443.2	447.2	446.7	441.6	431.6	418.5	405.8	395.1	386.9	382.0	380.7
68.5°	430.2	434.4	434.5	429.1	420.0	407.4	395.5	384.9	377.1	372.5	370.4
69°	417.3	421.7	422.0	417.7	408.6	396.4	385.2	375.0	366.9	362.7	361.1
69.5°	404.6	409.4	409.5	405.7	397.4	385.6	374.8	364.9	357.2	352.8	351.3
70°	391.7	396.6	397.3	393.9	386.0	375.0	364.6	354.9	347.7	343.2	341.7
70.5°	378.9	383.8	384.9	381.7	375.1	364.5	354.5	345.3	338.4	334.0	332.1
71°	366.4	370.9	372.7	370.2	363.5	353.8	344.3	335.6	329.1	324.8	323.0
71.5°	353.7	358.7	360.1	358.2	352.5	343.2	334.4	326.2	319.4	315.4	313.8
72°	341.3	346.1	348.2	346.3	341.3	332.7	324.3	316.5	310.1	306.0	304.3
72.5°	328.8	333.5	336.2	334.8	330.0	322.1	314.6	306.9	300.9	297.3	295.2
73°	316.0	321.2	324.3	323.6	319.4	311.8	304.6	297.5	291.9	288.0	285.9
73.5°	303.2	308.9	312.1	312.1	308.4	302.1	294.9	288.2	282.7	279.1	277.0
74°	291.1	296.2	300.1	300.8	297.7	291.8	285.4	279.0	274.0	270.1	268.1
74.5°	278.8	284.4	288.3	289.2	287.0	281.5	276.0	269.9	265.1	261.6	259.7
75°	266.6	272.2	276.5	278.0	276.4	271.6	266.5	261.1	256.3	252.8	250.8
75.5°	254.2	260.3	264.7	266.8	266.0	261.7	257.1	252.0	247.5	244.4	242.2
76°	242.1	248.0	253.2	256.0	255.2	251.7	248.0	243.2	239.0	235.9	233.5
76.5°	230.2	236.4	241.7	244.9	245.1	242.2	238.6	234.4	230.6	227.6	225.2
77°	218.4	224.3	230.3	234.0	235.0	232.7	229.7	225.6	222.1	219.0	216.7
77.5°	206.4	212.8	219.1	223.2	224.8	223.4	220.7	217.2	213.7	211.0	208.6
78°	195.0	201.3	207.8	212.9	214.8	214.1	211.9	208.8	205.8	203.1	200.6
78.5°	183.2	190.0	196.7	202.3	205.0	204.8	203.1	200.5	197.9	195.1	192.7
79°	171.8	178.8	186.0	192.0	195.2	195.6	194.6	192.3	189.8	187.2	184.8
79.5°	160.6	167.3	175.2	181.8	185.7	186.6	186.3	184.3	182.1	179.7	177.1
80°	150.0	156.5	164.5	171.8	176.3	177.8	177.8	176.3	174.4	172.2	169.6
80.5°	139.0	145.9	154.3	161.9	167.0	169.2	169.6	168.6	167.0	164.6	162.2
81°	128.3	135.4	144.1	152.2	157.9	160.7	161.8	161.0	159.6	157.4	155.0
81.5°	117.9	125.0	134.2	142.6	149.0	152.3	154.0	153.7	152.5	150.5	147.9
82°	107.7	114.8	124.2	133.4	140.2	144.2	146.3	146.4	145.5	143.4	140.9
82.5°	97.3	105.0	114.9	124.3	131.6	136.4	138.7	139.2	138.4	136.5	133.9
83°	88.1	95.5	105.4	115.5	123.3	128.6	131.4	132.2	131.7	130.1	127.4
83.5°	78.8	86.2	96.4	107.0	115.4	120.9	124.3	125.5	125.3	123.5	121.0
84°	70.0	77.4	87.6	98.5	107.5	113.6	117.4	118.9	118.7	117.3	114.7
84.5°	61.3	68.7	79.4	90.4	99.8	106.4	110.5	112.5	112.5	111.1	108.7
85°	53.3	60.5	71.3	82.7	92.6	99.5	104.0	106.2	106.5	105.2	102.6
85.5°	46.3	53.0	63.7	75.4	85.5	92.9	97.6	100.1	100.5	99.3	96.9
86°	39.4	46.3	56.3	68.3	78.8	86.6	91.6	94.2	94.8	93.7	91.2
86.5°	32.5	39.6	50.3	61.6	72.3	80.4	85.6	88.6	89.3	88.3	85.9
87°	25.6	32.9	44.4	54.7	66.2	74.4	80.0	83.2	84.0	83.3	80.7
87.5°	19.6	26.1	38.5	49.6	60.2	68.8	74.5	77.9	78.9	78.1	75.7
88°	14.2	20.6	32.6	44.4	54.5	63.4	69.4	72.7	74.0	73.2	70.8
88.5°	9.5	15.8	26.7	39.3	50.0	58.1	64.2	67.9	69.2	68.5	66.2



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	3.0	5.6	14.7	25.8	36.4	45.3	51.8	54.8	56.3	55.7	54.1
90.5°	1.7	4.5	11.9	22.3	32.5	41.3	47.9	51.4	52.9	52.3	50.6
91°	0.3	3.5	9.6	19.1	29.0	37.4	44.1	47.9	49.5	49.0	47.2
91.5°	0.3	2.5	7.7	16.5	25.8	33.9	40.2	44.4	46.1	45.7	43.7
92°	0.2	1.5	6.3	14.2	22.9	30.8	36.8	40.8	42.6	42.4	40.3
92.5°	0.2	1.2	5.6	12.2	20.4	27.9	33.7	37.5	39.3	39.1	37.3
93°	0.1	1.0	4.9	10.6	18.1	25.3	30.9	34.7	36.4	36.3	34.6
93.5°	0.2	0.8	4.3	9.2	16.1	22.9	28.4	32.0	33.7	33.6	32.1
94°	0.2	0.7	3.6	8.2	14.4	20.7	26.0	29.5	31.2	31.2	29.7
94.5°	0.3	0.6	3.3	7.3	12.9	18.8	23.8	27.2	28.9	29.0	27.5
95°	0.4	0.5	2.9	6.7	11.7	17.1	21.8	25.2	26.8	26.9	25.5
95.5°	0.4	0.5	2.6	6.2	10.7	15.6	20.1	23.2	24.9	24.9	23.7
96°	0.5	0.6	2.4	5.8	9.9	14.4	18.5	21.5	23.0	23.1	21.9
96.5°	0.5	0.6	2.1	5.5	9.2	13.3	17.1	19.9	21.5	21.6	20.5
97°	0.6	0.7	1.9	5.1	8.7	12.3	15.9	18.6	20.0	20.2	19.1
97.5°	0.7	0.7	1.8	4.7	8.2	11.6	14.8	17.3	18.7	18.9	18.0
98°	0.7	0.7	1.6	4.4	7.8	11.0	13.9	16.3	17.6	17.8	16.9
98.5°	0.7	0.7	1.5	4.1	7.3	10.4	13.2	15.3	16.6	16.8	16.0
99°	0.8	0.8	1.3	3.8	6.9	10.0	12.5	14.5	15.7	15.9	15.2
99.5°	0.9	0.8	1.3	3.5	6.5	9.5	12.0	13.9	14.9	15.2	14.5
100°	1.0	0.9	1.2	3.3	6.2	9.1	11.5	13.3	14.3	14.5	13.9
100.5°	1.1	1.0	1.2	3.1	5.9	8.6	11.0	12.8	13.8	14.0	13.4
101°	1.2	1.1	1.2	2.9	5.6	8.2	10.6	12.3	13.3	13.5	13.0
101.5°	1.3	1.1	1.2	2.6	5.2	7.8	10.1	11.8	12.8	13.0	12.5
102°	1.4	1.2	1.2	2.5	4.9	7.5	9.7	11.4	12.4	12.6	12.1
102.5°	1.5	1.3	1.2	2.3	4.6	7.1	9.2	10.9	11.9	12.1	11.6
103°	1.5	1.3	1.2	2.1	4.3	6.8	8.8	10.4	11.4	11.6	11.2
103.5°	1.6	1.3	1.1	2.0	4.1	6.4	8.5	10.0	11.0	11.2	10.8
104°	1.6	1.4	1.1	1.8	3.8	6.1	8.1	9.6	10.6	10.8	10.4
104.5°	1.7	1.5	1.1	1.7	3.5	5.8	7.7	9.2	10.2	10.4	10.0
105°	1.7	1.6	1.1	1.6	3.3	5.5	7.4	8.9	9.8	10.0	9.6
105.5°	1.7	1.8	1.1	1.6	3.1	5.2	7.1	8.5	9.4	9.7	9.2
106°	1.6	1.8	1.1	1.5	2.9	4.9	6.7	8.1	9.1	9.3	8.9
106.5°	1.6	1.7	1.1	1.5	2.8	4.6	6.4	7.8	8.7	9.0	8.6
107°	1.6	1.6	1.1	1.4	2.6	4.4	6.1	7.5	8.4	8.6	8.2
107.5°	1.6	1.6	1.2	1.4	2.5	4.1	5.8	7.1	8.1	8.3	7.9
108°	1.7	1.6	1.2	1.4	2.3	3.9	5.6	6.8	7.7	8.0	7.6
108.5°	1.7	1.7	1.2	1.3	2.2	3.7	5.3	6.5	7.4	7.7	7.3
109°	1.7	1.7	1.3	1.3	2.1	3.5	5.0	6.2	7.1	7.4	7.0
109.5°	1.7	1.8	1.3	1.3	2.0	3.3	4.7	6.0	6.8	7.1	6.8
110°	1.7	1.8	1.3	1.2	1.9	3.1	4.5	5.7	6.5	6.8	6.5
110.5°	1.7	1.7	1.3	1.2	1.8	3.0	4.2	5.5	6.3	6.5	6.3
111°	1.7	1.7	1.4	1.3	1.8	2.8	4.0	5.2	6.0	6.2	6.0



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.7	1.7	1.5	1.3	1.6	2.4	3.4	4.5	5.2	5.5	5.3
113°	1.8	1.7	1.6	1.4	1.6	2.3	3.2	4.3	5.0	5.2	5.0
113.5°	1.8	1.7	1.6	1.4	1.6	2.2	3.1	4.1	4.7	5.0	4.8
114°	1.8	1.7	1.6	1.4	1.5	2.1	2.9	3.9	4.5	4.8	4.6
114.5°	1.8	1.8	1.7	1.4	1.5	2.1	2.8	3.7	4.3	4.5	4.4
115°	1.9	1.8	1.7	1.5	1.5	2.0	2.7	3.5	4.1	4.4	4.2
115.5°	1.9	1.8	1.8	1.5	1.4	2.0	2.6	3.3	3.9	4.2	4.0
116°	1.9	1.8	1.8	1.5	1.5	1.9	2.5	3.2	3.8	4.0	3.9
116.5°	1.9	1.9	1.9	1.6	1.5	1.9	2.4	3.0	3.6	3.8	3.7
117°	1.9	1.9	2.0	1.6	1.5	1.9	2.3	2.9	3.4	3.7	3.6
117.5°	1.9	2.0	2.2	1.6	1.5	1.8	2.3	2.8	3.3	3.5	3.5
118°	1.9	2.0	2.2	1.6	1.5	1.7	2.2	2.7	3.2	3.4	3.3
118.5°	1.9	2.1	2.3	1.7	1.6	1.7	2.2	2.6	3.1	3.3	3.2
119°	1.9	2.1	2.3	1.7	1.6	1.6	2.1	2.6	3.0	3.2	3.1
119.5°	2.0	2.1	2.2	1.7	1.6	1.6	2.1	2.5	2.9	3.1	3.1
120°	2.0	2.1	2.2	1.8	1.6	1.6	2.0	2.4	2.8	3.0	3.0
120.5°	2.0	2.1	2.1	1.8	1.7	1.7	2.0	2.3	2.7	2.9	2.9
121°	2.0	2.1	2.2	1.9	1.7	1.7	1.9	2.3	2.6	2.8	2.9
121.5°	2.0	2.2	2.2	1.9	1.7	1.7	1.8	2.2	2.6	2.8	2.8
122°	2.0	2.2	2.2	1.9	1.8	1.7	1.8	2.2	2.5	2.7	2.7
122.5°	2.1	2.2	2.3	2.0	1.8	1.8	1.8	2.1	2.5	2.7	2.7
123°	2.1	2.2	2.3	2.0	1.8	1.8	1.8	2.0	2.4	2.6	2.6
123.5°	2.1	2.2	2.3	2.1	1.9	1.8	1.8	2.0	2.4	2.6	2.6
124°	2.1	2.3	2.3	2.1	1.9	1.9	1.8	1.9	2.3	2.5	2.5
124.5°	2.1	2.3	2.4	2.2	2.0	1.9	1.8	1.9	2.2	2.5	2.5
125°	2.2	2.3	2.4	2.2	2.0	1.9	1.8	1.9	2.2	2.4	2.4
125.5°	2.2	2.3	2.4	2.3	2.0	2.0	1.9	1.9	2.1	2.4	2.4
126°	2.2	2.3	2.4	2.4	2.1	2.0	1.9	1.9	2.1	2.3	2.4
126.5°	2.2	2.3	2.4	2.5	2.1	2.0	1.9	2.0	2.2	2.3	2.4
127°	2.2	2.3	2.4	2.5	2.1	2.0	2.0	2.0	2.2	2.3	2.4
127.5°	2.3	2.3	2.4	2.6	2.2	2.1	2.0	2.1	2.2	2.4	2.5
128°	2.3	2.3	2.4	2.7	2.2	2.1	2.1	2.1	2.2	2.4	2.5
128.5°	2.3	2.3	2.4	2.7	2.2	2.1	2.1	2.2	2.3	2.4	2.5
129°	2.3	2.3	2.3	2.8	2.3	2.2	2.1	2.2	2.3	2.5	2.6
129.5°	2.3	2.3	2.3	2.8	2.4	2.2	2.2	2.2	2.4	2.5	2.6
130°	2.4	2.4	2.3	2.8	2.4	2.3	2.2	2.3	2.4	2.6	2.6
130.5°	2.4	2.4	2.3	2.8	2.5	2.3	2.3	2.4	2.5	2.6	2.7
131°	2.4	2.4	2.3	2.8	2.5	2.4	2.3	2.4	2.5	2.6	2.7
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	2.8	2.6	2.5	2.4	2.5	2.6	2.7	2.8
132.5°	2.4	2.4	2.4	2.9	2.7	2.5	2.5	2.6	2.6	2.7	2.9
133°	2.4	2.5	2.4	2.9	2.8	2.6	2.5	2.6	2.7	2.8	2.9
133.5°	2.4	2.5	2.4	3.0	2.9	2.6	2.6	2.7	2.7	2.8	2.9



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.6	2.6	3.0	3.0	3.0	3.0	3.1	3.3	3.5	3.6	3.7
158°	1.6	2.6	3.0	3.0	3.0	3.0	3.1	3.3	3.5	3.6	3.6
158.5°	1.7	2.6	3.0	3.0	3.1	3.1	3.1	3.2	3.4	3.5	3.5
159°	1.7	2.6	3.0	3.0	3.1	3.1	3.1	3.2	3.3	3.4	3.5
159.5°	1.7	2.5	3.0	3.1	3.1	3.1	3.1	3.1	3.3	3.3	3.4
160°	1.7	2.5	3.0	3.1	3.1	3.1	3.1	3.1	3.2	3.3	3.3
160.5°	1.7	2.5	2.9	3.1	3.2	3.2	3.1	3.1	3.2	3.3	3.3
161°	1.7	2.5	2.9	3.1	3.2	3.2	3.1	3.1	3.2	3.2	3.3
161.5°	1.7	2.5	2.9	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3
162°	1.7	2.4	2.9	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3
162.5°	1.7	2.4	2.9	3.1	3.2	3.3	3.2	3.2	3.2	3.2	3.3
163°	1.7	2.3	2.9	3.1	3.2	3.3	3.2	3.2	3.2	3.2	3.3
163.5°	1.7	2.3	2.9	3.1	3.3	3.3	3.3	3.2	3.2	3.2	3.3
164°	1.7	2.2	2.9	3.1	3.3	3.3	3.3	3.3	3.2	3.3	3.3
164.5°	1.7	2.1	2.9	3.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3
165°	1.7	2.1	2.8	3.0	3.3	3.4	3.3	3.3	3.3	3.3	3.3
165.5°	1.8	2.1	2.8	3.0	3.3	3.4	3.4	3.3	3.3	3.3	3.4
166°	1.8	2.1	2.8	2.9	3.3	3.4	3.4	3.4	3.4	3.3	3.4
166.5°	1.8	2.1	2.9	2.9	3.3	3.4	3.4	3.4	3.4	3.4	3.4
167°	1.8	2.1	2.8	3.0	3.2	3.4	3.4	3.4	3.4	3.4	3.4
167.5°	1.8	2.2	2.6	2.9	3.2	3.4	3.4	3.5	3.4	3.4	3.5
168°	1.8	2.2	2.7	2.7	3.2	3.4	3.5	3.5	3.5	3.5	3.5
168.5°	1.8	2.1	2.8	2.7	3.2	3.4	3.5	3.5	3.5	3.5	3.5
169°	1.9	1.9	2.6	2.9	3.1	3.4	3.5	3.5	3.5	3.5	3.5
169.5°	1.9	2.1	2.3	2.9	2.9	3.3	3.4	3.5	3.5	3.5	3.5
170°	2.0	2.3	2.4	2.8	2.9	3.2	3.4	3.5	3.5	3.5	3.5
170.5°	2.2	2.3	2.7	2.7	3.1	3.3	3.4	3.5	3.5	3.5	3.5
171°	2.5	2.3	2.7	2.8	3.0	3.2	3.4	3.5	3.5	3.5	3.5
171.5°	2.5	2.6	2.5	2.8	2.7	2.8	3.3	3.5	3.5	3.5	3.5
172°	2.5	2.6	2.6	2.7	2.8	2.8	3.2	3.4	3.4	3.5	3.5
172.5°	2.7	2.6	2.7	2.6	2.9	3.1	3.2	3.4	3.4	3.4	3.4
173°	2.7	2.7	2.7	2.7	2.7	3.0	3.2	3.3	3.3	3.3	3.4
173.5°	2.7	2.7	2.8	2.7	2.8	2.8	3.2	3.3	3.3	3.3	3.3
174°	2.8	2.8	2.8	2.6	2.8	2.9	3.0	3.2	3.2	3.3	3.3
174.5°	2.8	2.9	2.9	2.7	2.6	2.8	2.8	3.1	3.2	3.2	3.3
175°	2.9	2.9	3.0	2.8	2.6	2.7	3.0	3.1	3.2	3.2	3.2
175.5°	3.0	3.0	3.0	2.8	2.7	2.7	2.9	3.2	3.2	3.2	3.1
176°	3.0	3.0	3.0	2.9	2.6	2.5	2.7	3.1	3.2	3.2	3.1
176.5°	3.0	3.0	3.0	3.0	2.8	2.6	2.7	3.0	3.1	3.2	3.1
177°	3.0	3.0	3.0	3.0	2.8	2.6	2.8	3.0	3.1	3.1	3.1
177.5°	3.0	3.0	3.0	2.9	2.7	2.6	2.7	2.9	3.0	3.1	3.0
178°	3.0	3.0	3.0	2.9	2.7	2.6	2.6	2.7	2.9	3.0	2.9
178.5°	3.0	3.0	3.0	2.8	2.6	2.4	2.4	2.7	2.9	3.0	2.9



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**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: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8
0.5°	1590.1	1590.1	1590.0	1589.8	1589.6	1589.5	1589.3	1589.2	1589.2	1589.2	1589.2
1°	1590.1	1590.3	1590.5	1590.7	1590.5	1590.2	1589.8	1589.3	1589.0	1588.8	1588.8
1.5°	1590.6	1590.4	1590.0	1589.2	1588.7	1588.7	1588.7	1588.5	1588.2	1587.9	1587.9
2°	1590.5	1589.3	1588.0	1588.0	1587.9	1587.4	1587.2	1587.2	1586.9	1586.8	1586.7
2.5°	1589.3	1589.1	1589.2	1588.2	1588.2	1587.8	1586.9	1586.7	1586.4	1586.2	1585.8
3°	1588.6	1588.3	1588.0	1587.2	1587.2	1586.9	1586.6	1586.0	1584.8	1583.7	1584.0
3.5°	1587.4	1587.0	1586.9	1587.0	1586.3	1585.1	1584.9	1585.1	1583.2	1582.6	1582.3
4°	1587.0	1586.3	1585.7	1585.7	1585.4	1584.7	1583.5	1583.8	1582.8	1581.5	1580.4
4.5°	1584.1	1585.0	1583.5	1584.4	1584.5	1583.4	1582.1	1581.4	1580.8	1579.7	1578.9
5°	1583.5	1583.4	1583.1	1582.4	1582.7	1582.1	1581.0	1580.0	1579.4	1578.4	1576.4
5.5°	1582.5	1581.9	1581.6	1580.7	1581.0	1579.9	1579.7	1578.6	1578.0	1576.8	1574.6
6°	1580.7	1580.0	1579.3	1579.0	1578.7	1578.2	1577.8	1576.6	1575.7	1574.8	1572.0
6.5°	1578.5	1577.9	1577.5	1576.9	1576.4	1577.1	1576.0	1574.6	1572.8	1572.7	1569.9
7°	1576.5	1575.5	1576.0	1575.0	1574.7	1574.8	1574.1	1572.1	1570.4	1569.7	1567.7
7.5°	1573.9	1573.2	1573.4	1573.4	1572.1	1572.2	1571.3	1570.3	1567.8	1567.4	1565.6
8°	1571.4	1571.1	1570.6	1570.7	1570.2	1570.3	1568.2	1567.2	1565.4	1564.8	1562.2
8.5°	1568.2	1568.3	1567.8	1567.5	1567.9	1567.0	1566.8	1564.7	1563.6	1561.7	1559.5
9°	1565.0	1565.4	1565.0	1564.9	1565.4	1564.1	1563.6	1562.5	1560.0	1558.5	1556.5
9.5°	1562.4	1562.6	1561.7	1561.8	1562.0	1561.7	1560.2	1558.9	1556.4	1555.2	1552.6
10°	1558.9	1559.1	1558.4	1559.3	1558.8	1557.5	1557.6	1556.0	1553.5	1551.9	1549.1
10.5°	1555.4	1555.8	1554.4	1556.0	1555.5	1554.7	1554.7	1553.0	1550.7	1547.9	1545.8
11°	1551.1	1552.4	1551.7	1553.0	1552.4	1551.9	1551.4	1549.7	1546.9	1544.0	1541.7
11.5°	1547.1	1548.5	1547.6	1548.8	1548.7	1548.8	1547.6	1545.6	1542.7	1540.7	1537.4
12°	1543.2	1544.0	1543.7	1544.5	1545.4	1544.6	1543.8	1541.9	1539.5	1537.2	1533.4
12.5°	1539.0	1540.1	1540.0	1540.3	1541.6	1540.7	1539.9	1538.3	1535.9	1532.4	1529.7
13°	1534.6	1535.7	1535.2	1535.7	1536.9	1536.5	1536.3	1534.4	1532.3	1528.1	1525.4
13.5°	1529.6	1530.3	1530.4	1531.8	1532.5	1532.2	1532.0	1530.2	1527.2	1523.5	1520.0
14°	1524.4	1525.5	1526.3	1527.5	1528.3	1528.1	1527.7	1526.4	1522.6	1519.1	1515.2
14.5°	1519.2	1520.5	1521.5	1522.6	1523.9	1523.8	1523.3	1521.7	1518.8	1514.1	1510.2
15°	1513.8	1515.9	1516.3	1517.8	1519.7	1518.9	1518.9	1516.6	1514.3	1508.6	1505.2
15.5°	1508.3	1511.0	1511.6	1513.1	1515.0	1513.8	1514.4	1511.8	1508.9	1503.9	1500.1
16°	1502.3	1504.9	1506.1	1507.6	1509.5	1509.3	1509.4	1507.4	1503.8	1499.5	1495.0
16.5°	1496.6	1499.4	1500.6	1502.2	1504.0	1504.4	1503.9	1502.7	1499.2	1494.3	1489.2
17°	1490.5	1493.1	1494.6	1496.6	1499.0	1498.9	1498.8	1497.5	1493.7	1488.5	1482.9
17.5°	1484.3	1487.5	1489.0	1490.9	1493.9	1494.0	1494.5	1492.0	1488.1	1483.1	1477.3
18°	1478.2	1480.6	1483.2	1485.9	1488.0	1488.1	1488.5	1486.1	1482.2	1477.3	1471.0
18.5°	1471.3	1473.6	1477.3	1479.6	1482.3	1482.1	1482.1	1480.7	1476.6	1470.9	1464.4
19°	1464.2	1466.8	1470.5	1472.9	1476.3	1476.7	1476.8	1475.0	1471.3	1464.7	1458.4
19.5°	1457.0	1460.2	1463.8	1467.0	1469.9	1470.4	1470.8	1469.0	1465.0	1458.6	1451.7
20°	1450.7	1454.0	1457.3	1460.6	1463.5	1464.7	1464.7	1463.1	1458.9	1452.2	1445.1
20.5°	1443.4	1446.6	1450.7	1453.5	1457.5	1458.1	1458.2	1457.1	1452.7	1445.8	1438.2
21°	1435.6	1440.0	1443.2	1446.7	1450.5	1452.2	1452.1	1450.4	1446.2	1438.8	1431.4



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1412.0	1415.9	1420.9	1426.1	1430.0	1432.2	1432.1	1429.9	1425.7	1417.6	1410.1
23°	1403.8	1408.1	1413.6	1418.4	1422.8	1424.8	1425.0	1422.8	1418.7	1410.9	1401.9
23.5°	1395.4	1400.0	1405.5	1410.3	1415.9	1418.2	1418.3	1416.1	1411.4	1404.0	1394.4
24°	1386.6	1392.2	1397.2	1402.9	1408.0	1410.6	1411.0	1409.1	1404.4	1396.4	1386.7
24.5°	1377.9	1383.4	1389.3	1394.8	1400.2	1403.2	1404.1	1401.8	1396.8	1388.5	1378.8
25°	1369.5	1374.7	1381.2	1386.9	1392.4	1395.8	1396.9	1394.4	1389.2	1380.4	1370.4
25.5°	1360.4	1366.2	1372.4	1378.4	1384.3	1388.0	1388.8	1386.6	1381.5	1372.6	1362.6
26°	1351.3	1357.4	1363.9	1369.9	1376.5	1379.9	1380.7	1379.3	1373.8	1364.5	1354.0
26.5°	1342.1	1347.9	1354.9	1361.4	1368.6	1372.4	1372.9	1371.2	1365.4	1356.5	1345.5
27°	1332.3	1338.9	1345.9	1353.0	1359.7	1363.9	1364.9	1362.7	1357.6	1348.1	1337.0
27.5°	1322.9	1329.2	1336.9	1344.1	1351.7	1355.4	1356.5	1354.7	1349.3	1339.8	1328.1
28°	1312.8	1320.1	1327.2	1335.5	1342.8	1346.7	1347.9	1346.4	1340.8	1331.2	1319.0
28.5°	1303.0	1310.1	1318.3	1326.5	1333.6	1338.4	1339.7	1338.3	1332.3	1322.4	1310.5
29°	1292.9	1300.3	1309.0	1316.6	1325.3	1330.3	1331.5	1329.4	1323.7	1313.7	1301.1
29.5°	1282.3	1289.7	1299.1	1307.3	1316.1	1320.7	1323.1	1320.8	1314.5	1304.6	1291.5
30°	1272.4	1280.2	1289.4	1298.3	1306.8	1312.7	1313.5	1311.9	1305.4	1295.4	1282.4
30.5°	1261.9	1269.1	1279.4	1289.0	1297.4	1303.2	1304.3	1302.5	1297.3	1286.1	1272.7
31°	1250.4	1259.5	1269.6	1278.9	1288.2	1293.4	1295.8	1294.2	1287.8	1276.5	1263.2
31.5°	1239.5	1249.0	1259.3	1268.7	1279.0	1284.5	1286.3	1284.5	1278.0	1267.6	1253.5
32°	1228.8	1238.0	1248.7	1259.2	1268.7	1274.9	1276.6	1275.3	1269.3	1257.8	1243.6
32.5°	1217.8	1227.7	1238.7	1249.0	1258.7	1265.4	1267.4	1266.2	1259.3	1248.2	1233.8
33°	1206.7	1216.4	1228.2	1238.8	1249.6	1255.4	1258.1	1256.2	1250.0	1238.5	1223.3
33.5°	1195.4	1205.5	1217.3	1228.8	1239.1	1245.8	1247.8	1246.8	1240.2	1228.3	1213.1
34°	1184.1	1194.4	1206.6	1218.2	1228.4	1235.8	1238.1	1237.5	1230.4	1218.3	1202.9
34.5°	1173.1	1183.1	1195.6	1207.5	1218.4	1226.2	1228.5	1227.2	1219.9	1208.6	1193.8
35°	1161.3	1171.4	1184.6	1196.5	1208.4	1215.6	1218.6	1217.1	1210.2	1198.3	1183.8
35.5°	1149.0	1160.5	1173.4	1185.8	1197.8	1204.8	1208.2	1206.9	1200.2	1188.6	1172.5
36°	1137.1	1148.8	1162.2	1175.4	1186.7	1195.0	1198.0	1197.2	1190.2	1177.7	1161.4
36.5°	1125.4	1136.8	1151.1	1164.6	1176.3	1184.8	1187.9	1187.1	1179.4	1166.8	1150.2
37°	1113.4	1125.4	1139.5	1152.7	1166.1	1174.5	1177.3	1176.3	1168.7	1156.0	1139.1
37.5°	1101.7	1113.4	1128.1	1142.0	1154.8	1163.6	1166.6	1165.5	1157.9	1145.1	1128.0
38°	1089.4	1101.9	1116.8	1131.1	1144.1	1152.6	1155.9	1154.7	1147.2	1134.3	1117.0
38.5°	1077.7	1089.5	1105.4	1119.4	1132.1	1141.4	1145.2	1144.0	1136.4	1123.3	1105.5
39°	1065.4	1078.0	1093.4	1107.8	1121.3	1130.3	1134.1	1133.0	1125.4	1112.3	1094.6
39.5°	1053.5	1065.8	1081.5	1096.4	1110.1	1119.3	1122.8	1121.7	1114.1	1101.4	1082.9
40°	1040.8	1053.4	1069.5	1084.8	1098.7	1108.4	1112.0	1110.7	1103.2	1090.0	1071.6
40.5°	1028.0	1041.3	1057.1	1073.6	1086.9	1097.1	1100.7	1099.2	1092.0	1078.9	1060.3
41°	1015.4	1028.7	1045.4	1061.3	1075.8	1085.3	1089.2	1088.2	1080.7	1067.8	1048.8
41.5°	1003.5	1016.7	1033.4	1049.3	1063.8	1073.9	1078.0	1076.9	1069.7	1055.7	1036.7
42°	991.2	1005.0	1021.3	1037.6	1052.1	1062.2	1066.1	1065.9	1057.8	1043.7	1025.0
42.5°	978.9	992.4	1009.3	1025.7	1040.2	1050.5	1054.8	1054.0	1046.5	1032.5	1012.9
43°	966.3	979.2	996.8	1013.7	1028.6	1039.7	1043.1	1042.4	1034.6	1021.0	1002.2
43.5°	953.3	967.4	984.8	1001.7	1017.0	1027.3	1031.4	1030.7	1022.7	1009.1	989.9





TEST NUMBER: P563564

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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	916.2	930.0	947.8	965.1	981.2	991.7	995.6	995.2	987.6	973.0	953.7
45.5°	903.1	917.1	935.4	952.9	968.4	979.0	984.0	983.3	975.1	961.0	941.5
46°	890.5	904.4	922.9	940.4	956.1	967.5	971.6	971.1	962.8	949.2	929.4
46.5°	877.8	892.4	909.9	928.0	943.6	954.9	959.3	958.7	950.8	937.0	917.4
47°	865.4	879.3	897.5	915.9	931.9	943.2	947.5	946.6	938.5	924.6	905.0
47.5°	852.8	867.6	885.0	903.2	919.6	931.0	934.5	934.4	926.5	912.3	892.6
48°	840.2	854.2	872.5	890.7	907.1	918.5	922.4	921.7	914.2	900.3	880.4
48.5°	827.9	841.9	860.6	878.5	894.0	905.6	909.9	909.6	901.8	887.8	867.6
49°	815.1	829.6	848.2	865.9	882.4	893.4	897.6	897.4	889.7	875.2	855.6
49.5°	803.0	817.3	835.6	853.3	869.3	881.5	885.6	884.8	877.0	862.8	843.5
50°	790.7	804.3	822.9	840.4	857.4	868.8	873.1	872.4	864.6	850.6	830.8
50.5°	778.3	792.1	810.3	828.4	844.7	856.3	860.5	859.8	852.3	837.9	818.1
51°	765.6	779.7	797.9	816.1	832.4	843.5	847.6	847.1	839.1	825.3	805.8
51.5°	753.7	767.9	785.3	803.5	819.4	831.4	835.0	834.6	826.9	813.2	793.2
52°	741.4	755.0	773.0	790.6	807.1	817.9	822.7	822.0	814.3	800.1	780.7
52.5°	729.5	742.8	760.6	778.2	794.4	805.7	810.2	810.5	801.5	787.3	768.2
53°	717.4	730.7	748.0	765.9	782.0	792.9	798.3	797.8	788.8	774.9	755.9
53.5°	705.1	718.7	735.9	753.3	769.5	780.6	786.8	783.7	776.2	762.6	743.3
54°	693.1	705.5	723.8	740.7	756.9	767.6	773.2	770.8	763.1	749.7	731.1
54.5°	681.4	694.0	711.2	728.4	743.8	755.3	759.1	758.2	750.6	737.2	718.6
55°	669.0	682.1	699.0	716.0	731.5	742.4	746.3	745.2	737.7	724.6	705.9
55.5°	656.9	670.2	687.1	703.6	718.6	729.8	733.2	732.2	724.7	711.8	693.2
56°	645.2	657.9	674.7	690.9	706.1	716.5	720.4	720.8	712.3	699.0	680.9
56.5°	633.6	646.0	662.4	678.6	693.5	703.7	708.3	707.9	699.7	686.4	668.4
57°	622.2	634.0	649.9	666.4	680.9	691.2	697.0	693.4	687.1	673.8	656.0
57.5°	610.4	622.5	637.8	654.5	668.3	678.6	683.5	680.9	673.4	660.9	643.6
58°	598.7	610.7	626.2	642.0	655.4	665.8	668.7	668.0	660.6	648.3	631.0
58.5°	587.4	598.7	613.9	629.1	642.8	652.7	655.9	655.4	647.7	636.0	618.5
59°	576.2	587.0	601.6	616.5	630.6	639.9	643.3	642.6	635.3	623.0	605.9
59.5°	564.6	575.7	589.8	604.4	618.1	628.0	631.5	628.8	622.1	610.2	593.9
60°	553.5	564.3	577.9	592.5	606.5	615.3	618.2	616.0	609.3	597.7	581.0
60.5°	542.4	552.7	566.3	580.3	594.2	601.8	604.0	603.2	596.0	584.8	568.9
61°	531.2	541.2	554.9	568.3	580.9	588.4	590.8	590.4	583.4	572.0	556.6
61.5°	520.0	529.7	543.0	556.7	567.8	576.1	578.4	577.0	570.1	559.2	543.9
62°	508.9	518.2	531.2	544.4	559.1	564.7	566.4	564.2	557.2	546.9	531.7
62.5°	497.6	506.6	519.2	532.5	545.9	560.6	549.8	550.9	544.5	534.2	519.2
63°	486.5	495.5	507.3	520.0	533.6	545.0	537.1	538.4	531.9	521.5	507.5
63.5°	476.0	484.5	495.5	507.4	519.8	529.9	524.7	525.2	518.5	509.0	495.2
64°	465.5	473.5	484.0	495.1	505.9	514.9	512.2	511.9	505.9	496.5	483.0
64.5°	454.8	462.3	472.7	483.2	493.2	499.8	499.7	499.0	493.1	483.7	470.6
65°	444.3	451.6	461.6	471.6	480.5	486.4	486.9	486.4	480.5	471.1	458.9
65.5°	433.8	440.9	450.2	459.6	468.2	473.4	474.6	473.3	467.5	458.7	446.7
66°	423.3	430.2	438.7	448.1	455.9	462.0	461.8	460.3	454.8	446.3	434.5



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	393.0	398.3	406.2	413.6	419.8	423.3	422.9	421.9	416.7	409.2	398.9
68°	382.7	388.0	395.2	401.9	407.7	411.1	410.0	409.2	404.0	396.6	386.7
68.5°	372.8	377.6	384.0	390.5	395.7	398.5	397.9	396.3	391.1	384.2	375.2
69°	362.8	367.1	373.3	378.9	383.6	386.2	385.0	383.4	378.4	372.2	363.3
69.5°	352.7	356.7	362.6	367.8	372.1	374.1	372.5	370.4	366.0	360.1	352.0
70°	342.7	346.7	352.0	356.8	360.3	361.5	359.5	358.0	353.6	347.8	340.2
70.5°	333.3	336.8	341.6	345.6	348.5	349.0	347.0	345.4	340.7	335.9	328.5
71°	323.9	326.9	331.1	334.6	336.9	337.0	334.3	332.9	328.7	323.5	316.9
71.5°	314.2	317.1	320.6	323.5	325.2	324.8	322.0	320.3	316.1	311.7	305.7
72°	304.6	307.2	310.2	312.6	313.7	312.8	309.7	307.8	303.7	299.6	294.4
72.5°	295.4	297.2	300.0	301.7	302.6	301.0	297.4	295.2	291.4	288.0	283.2
73°	285.9	287.4	289.7	291.0	291.3	289.0	285.1	282.8	279.2	276.1	271.7
73.5°	276.7	277.8	279.7	280.4	280.0	277.2	273.0	270.6	267.2	264.5	260.8
74°	267.9	268.5	269.9	270.1	268.7	265.5	260.8	258.4	255.3	252.8	249.7
74.5°	258.8	259.2	260.0	259.5	257.6	253.9	248.7	246.0	243.2	241.1	239.1
75°	249.7	249.8	250.0	248.8	246.5	242.4	236.8	234.1	231.5	229.9	228.3
75.5°	241.0	240.6	240.3	238.7	235.7	230.9	225.1	222.2	219.6	218.7	217.8
76°	232.3	231.6	230.7	228.6	225.0	219.6	213.4	210.4	208.1	207.6	207.0
76.5°	223.7	222.5	221.2	218.3	214.5	208.5	201.6	198.6	196.6	196.7	196.9
77°	215.1	213.6	212.1	208.8	203.8	197.3	190.4	187.1	185.4	185.7	186.7
77.5°	206.7	204.9	202.8	198.9	193.4	186.4	178.9	175.7	174.0	175.2	176.7
78°	198.5	196.4	193.6	189.3	183.2	175.7	168.0	164.4	163.1	164.5	166.4
78.5°	190.4	187.9	184.7	179.9	173.3	165.2	157.1	153.4	152.2	154.2	157.0
79°	182.4	179.7	175.9	170.5	163.5	154.8	146.4	142.9	142.0	144.6	148.0
79.5°	174.5	171.4	167.3	161.1	153.8	144.6	135.6	132.5	131.8	135.0	139.0
80°	166.7	163.4	158.8	152.3	144.2	134.4	125.3	122.0	121.5	125.4	130.0
80.5°	159.2	155.5	150.5	143.2	134.8	124.8	115.3	111.6	111.4	115.8	121.0
81°	151.9	147.9	142.4	134.8	125.7	115.3	105.5	101.6	101.7	106.2	112.0
81.5°	144.6	140.3	134.4	126.4	117.0	106.1	95.9	91.5	92.5	97.2	103.5
82°	137.4	132.8	126.8	118.4	108.2	97.0	86.6	82.1	83.1	88.4	95.3
82.5°	130.4	125.6	119.2	110.3	99.9	88.3	77.8	73.4	74.3	80.1	87.5
83°	123.7	118.7	111.9	102.8	91.9	79.8	69.2	64.6	66.0	72.2	80.0
83.5°	117.1	112.0	104.8	95.4	84.1	71.9	61.1	56.5	58.2	64.5	72.7
84°	110.7	105.4	98.1	88.2	76.6	64.1	53.3	48.6	50.4	57.1	65.9
84.5°	104.6	99.0	91.3	81.1	69.4	56.8	46.7	41.2	43.2	50.1	59.3
85°	98.5	92.8	84.8	74.7	62.7	50.8	40.1	34.2	36.3	43.7	53.2
85.5°	92.6	86.8	78.7	68.4	56.3	44.9	33.5	27.8	30.1	37.8	47.4
86°	87.0	81.1	73.0	62.5	51.1	38.9	26.9	23.1	24.4	32.3	42.1
86.5°	81.7	75.7	67.3	56.9	45.9	33.0	21.3	18.4	20.6	27.2	37.1
87°	76.4	70.4	61.9	52.3	40.7	27.0	16.4	13.7	16.8	22.9	32.5
87.5°	71.4	65.2	57.0	47.7	35.6	22.4	12.3	9.0	13.0	20.0	28.3
88°	66.6	60.5	52.7	43.0	30.4	18.4	8.8	4.4	9.2	17.1	24.6
88.5°	62.0	55.7	48.6	38.4	26.3	15.1	6.1	2.0	5.6	14.2	21.3



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	50.2	44.4	36.3	26.8	16.8	7.8	2.7	0.6	2.4	7.1	15.0
90.5°	46.7	40.6	32.9	23.8	14.3	6.3	1.6	0.5	2.0	6.1	13.2
91°	43.1	37.3	29.8	21.1	12.3	5.6	1.2	0.3	1.8	5.3	11.5
91.5°	39.7	34.2	27.0	18.7	10.6	4.9	1.0	0.2	1.6	4.8	9.7
92°	36.6	31.2	24.3	16.6	9.3	4.2	0.8	0.3	1.4	4.5	8.9
92.5°	33.8	28.6	22.1	14.8	8.1	3.5	0.7	0.3	1.3	4.2	8.2
93°	31.2	26.2	20.0	13.3	7.3	3.1	0.6	0.4	1.2	3.9	7.7
93.5°	28.8	24.1	18.2	11.9	6.6	2.8	0.5	0.4	1.1	3.7	7.3
94°	26.6	22.0	16.5	10.9	6.1	2.6	0.5	0.5	1.1	3.6	7.0
94.5°	24.5	20.2	15.1	9.9	5.8	2.4	0.5	0.6	1.1	3.6	6.7
95°	22.7	18.6	13.9	9.2	5.4	2.2	0.6	0.6	1.1	3.5	6.5
95.5°	21.0	17.2	12.8	8.7	5.1	2.0	0.6	0.7	1.1	3.5	6.3
96°	19.4	16.0	12.0	8.2	4.7	1.9	0.7	0.8	1.1	3.4	6.1
96.5°	18.1	14.9	11.3	7.8	4.5	1.7	0.8	0.8	1.1	3.3	6.0
97°	16.9	14.0	10.7	7.4	4.2	1.6	0.9	0.9	1.1	3.1	5.9
97.5°	15.9	13.2	10.2	7.1	4.0	1.5	1.0	1.0	1.1	3.0	5.8
98°	15.0	12.6	9.8	6.7	3.8	1.5	1.1	1.1	1.1	2.9	5.7
98.5°	14.3	12.0	9.3	6.4	3.5	1.4	1.1	1.2	1.2	2.9	5.7
99°	13.7	11.5	9.0	6.1	3.4	1.4	1.2	1.4	1.3	2.8	5.5
99.5°	13.1	11.1	8.6	5.8	3.2	1.3	1.3	1.5	1.4	2.8	5.4
100°	12.6	10.7	8.2	5.5	3.0	1.3	1.4	1.6	1.5	2.8	5.3
100.5°	12.2	10.2	7.9	5.2	2.8	1.3	1.4	1.8	1.5	2.8	5.1
101°	11.7	9.8	7.5	4.9	2.7	1.3	1.5	1.9	1.6	2.7	5.0
101.5°	11.3	9.4	7.2	4.7	2.5	1.3	1.6	2.0	1.7	2.6	4.9
102°	10.8	9.1	6.9	4.4	2.4	1.3	1.6	2.0	1.8	2.6	4.8
102.5°	10.4	8.7	6.6	4.2	2.2	1.3	1.8	2.1	1.9	2.5	4.7
103°	10.0	8.4	6.3	4.0	2.1	1.4	1.9	2.1	1.9	2.4	4.6
103.5°	9.7	8.0	6.0	3.8	2.0	1.5	1.9	2.2	2.0	2.3	4.5
104°	9.3	7.7	5.8	3.6	2.0	1.6	2.0	2.2	2.1	2.3	4.4
104.5°	9.0	7.4	5.5	3.5	2.0	1.7	2.1	2.3	2.2	2.3	4.3
105°	8.6	7.1	5.3	3.3	2.0	1.8	2.3	2.4	2.2	2.2	4.2
105.5°	8.3	6.8	5.0	3.1	1.9	1.8	2.6	2.4	2.3	2.2	4.1
106°	7.9	6.5	4.8	3.0	1.9	1.9	2.9	2.5	2.4	2.2	3.9
106.5°	7.6	6.3	4.6	2.9	1.9	1.9	3.2	2.6	2.6	2.2	3.7
107°	7.3	6.0	4.4	2.8	1.9	2.0	3.4	2.6	2.9	2.1	3.6
107.5°	7.0	5.8	4.2	2.6	1.9	2.0	3.5	2.7	3.1	2.1	3.5
108°	6.7	5.5	4.0	2.5	1.9	2.1	3.5	2.7	3.1	2.1	3.4
108.5°	6.5	5.2	3.8	2.5	2.0	2.1	3.4	2.8	3.0	2.2	3.3
109°	6.2	5.0	3.6	2.4	2.0	2.2	3.3	2.8	3.0	2.2	3.2
109.5°	6.0	4.8	3.5	2.3	2.1	2.3	3.3	2.8	3.1	2.3	3.1
110°	5.7	4.6	3.3	2.2	2.1	2.3	3.2	2.9	3.2	2.4	3.1
110.5°	5.5	4.3	3.2	2.2	2.2	2.4	3.2	2.9	3.2	2.4	3.0
111°	5.2	4.2	3.0	2.2	2.2	2.5	3.2	2.9	3.3	2.5	3.0



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	4.6	3.6	2.7	2.1	2.2	2.9	3.3	3.1	3.6	2.7	2.9
113°	4.4	3.5	2.6	2.1	2.3	3.0	3.4	3.1	3.7	2.7	2.8
113.5°	4.2	3.4	2.6	2.1	2.3	3.2	3.4	3.1	3.7	2.7	2.7
114°	4.1	3.3	2.5	2.2	2.4	3.4	3.5	3.1	3.8	2.8	2.6
114.5°	3.9	3.2	2.5	2.2	2.5	3.5	3.5	3.1	3.8	2.8	2.5
115°	3.8	3.1	2.5	2.2	2.6	3.6	3.6	3.1	3.8	2.9	2.4
115.5°	3.6	3.1	2.5	2.3	2.7	3.8	3.6	3.1	3.9	2.9	2.4
116°	3.5	3.0	2.5	2.4	2.8	3.9	3.6	3.1	3.9	3.0	2.5
116.5°	3.4	2.9	2.4	2.4	2.9	4.1	3.7	3.1	3.9	3.1	2.5
117°	3.3	2.9	2.4	2.5	3.0	4.1	3.7	3.2	4.0	3.2	2.5
117.5°	3.2	2.8	2.4	2.6	3.1	4.1	3.7	3.2	4.0	3.2	2.6
118°	3.1	2.8	2.4	2.7	3.2	4.2	3.8	3.2	4.1	3.3	2.7
118.5°	3.0	2.7	2.4	2.7	3.2	4.3	3.9	3.2	4.1	3.3	2.7
119°	2.9	2.6	2.4	2.8	3.3	4.5	3.9	3.2	4.1	3.4	2.7
119.5°	2.9	2.6	2.4	2.9	3.4	4.6	3.9	3.2	4.1	3.5	2.8
120°	2.8	2.5	2.5	3.0	3.5	4.7	4.0	3.2	4.2	3.6	2.9
120.5°	2.8	2.5	2.5	3.0	3.5	4.8	4.0	3.2	4.2	3.8	3.0
121°	2.7	2.5	2.6	3.1	3.6	4.9	4.0	3.2	4.2	3.8	3.1
121.5°	2.6	2.5	2.6	3.1	3.7	4.9	4.0	3.2	4.2	3.8	3.1
122°	2.6	2.5	2.7	3.2	3.8	4.9	4.0	3.2	4.2	3.8	3.2
122.5°	2.6	2.5	2.8	3.3	3.9	4.9	4.0	3.2	4.3	3.8	3.2
123°	2.5	2.5	2.8	3.3	4.0	4.8	3.9	3.2	4.3	3.8	3.2
123.5°	2.5	2.5	2.9	3.4	4.1	4.7	3.9	3.2	4.3	3.9	3.3
124°	2.5	2.6	3.0	3.4	4.1	4.6	3.9	3.2	4.3	3.9	3.3
124.5°	2.5	2.6	3.0	3.5	4.2	4.6	3.8	3.2	4.3	3.9	3.4
125°	2.5	2.6	3.1	3.6	4.4	4.5	3.8	3.2	4.3	4.0	3.4
125.5°	2.5	2.7	3.1	3.6	4.5	4.5	3.8	3.2	4.3	4.0	3.5
126°	2.5	2.8	3.2	3.7	4.7	4.4	3.8	3.2	4.3	4.1	3.5
126.5°	2.5	2.8	3.3	3.8	4.8	4.4	3.7	3.2	4.3	4.1	3.6
127°	2.6	2.9	3.3	3.8	4.8	4.3	3.7	3.2	4.3	4.1	3.6
127.5°	2.6	2.9	3.4	3.9	4.8	4.3	3.7	3.3	4.3	4.2	3.6
128°	2.6	3.0	3.4	4.0	4.9	4.3	3.7	3.3	4.3	4.2	3.7
128.5°	2.7	3.0	3.5	4.1	5.0	4.3	3.7	3.3	4.3	4.2	3.7
129°	2.7	3.1	3.5	4.2	5.1	4.2	3.7	3.2	4.3	4.2	3.9
129.5°	2.8	3.1	3.6	4.3	5.1	4.2	3.7	3.2	4.3	4.2	4.0
130°	2.8	3.2	3.6	4.3	5.2	4.2	3.7	3.3	4.3	4.2	4.1
130.5°	2.9	3.2	3.7	4.4	5.2	4.2	3.6	3.3	4.3	4.3	4.1
131°	2.9	3.3	3.8	4.5	5.3	4.2	3.6	3.3	4.3	4.3	4.1
131.5°	3.0	3.3	3.8	4.5	5.3	4.2	3.6	3.3	4.3	4.4	4.1
132°	3.0	3.4	3.9	4.6	5.3	4.2	3.6	3.3	4.3	4.4	4.0
132.5°	3.1	3.4	3.9	4.8	5.3	4.2	3.6	3.3	4.3	4.4	4.1
133°	3.1	3.5	4.0	4.9	5.3	4.2	3.6	3.3	4.3	4.4	4.1
133.5°	3.1	3.5	4.1	5.0	5.3	4.1	3.6	3.3	4.3	4.4	4.1



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	3.6	3.5	3.4	3.5	3.5	3.4	2.9	2.8	2.9	3.3	3.8
158°	3.5	3.4	3.4	3.6	3.6	3.4	2.8	2.8	2.9	3.2	3.8
158.5°	3.5	3.4	3.4	3.6	3.6	3.3	2.8	2.8	2.9	3.2	3.7
159°	3.4	3.4	3.4	3.5	3.5	3.3	2.7	2.8	2.9	3.2	3.6
159.5°	3.4	3.3	3.4	3.5	3.5	3.3	2.7	2.8	2.8	3.1	3.5
160°	3.3	3.3	3.4	3.4	3.4	3.3	2.7	2.8	2.8	3.1	3.5
160.5°	3.3	3.4	3.4	3.4	3.4	3.3	2.7	2.7	2.8	3.1	3.4
161°	3.3	3.4	3.4	3.4	3.5	3.2	2.7	2.7	2.8	3.0	3.4
161.5°	3.3	3.4	3.5	3.5	3.5	3.0	2.7	2.7	2.8	3.0	3.3
162°	3.3	3.4	3.5	3.6	3.4	2.8	2.7	2.7	2.8	3.0	3.3
162.5°	3.3	3.4	3.5	3.6	3.3	2.8	2.7	2.7	2.8	2.9	3.3
163°	3.3	3.4	3.5	3.6	3.3	2.7	2.7	2.7	2.8	2.9	3.2
163.5°	3.3	3.4	3.5	3.5	3.0	2.7	2.7	2.7	2.8	2.9	3.2
164°	3.4	3.4	3.5	3.4	2.9	2.7	2.7	2.7	2.8	2.9	3.2
164.5°	3.4	3.5	3.6	3.4	2.8	2.7	2.7	2.7	2.8	2.9	3.1
165°	3.4	3.5	3.6	3.4	2.8	2.6	2.7	2.7	2.8	2.9	3.1
165.5°	3.4	3.5	3.6	3.3	2.8	2.6	2.7	2.7	2.8	2.9	3.1
166°	3.5	3.5	3.5	3.3	2.7	2.6	2.7	2.7	2.8	2.8	3.1
166.5°	3.5	3.5	3.5	3.3	2.7	2.6	2.7	2.7	2.8	2.8	3.0
167°	3.5	3.5	3.5	3.2	2.7	2.7	2.7	2.7	2.8	2.8	3.0
167.5°	3.5	3.6	3.5	2.9	2.7	2.7	2.7	2.7	2.8	2.8	3.0
168°	3.5	3.6	3.4	2.8	2.7	2.7	2.7	2.7	2.8	2.8	3.0
168.5°	3.6	3.6	3.3	2.8	2.7	2.7	2.7	2.7	2.8	2.8	2.9
169°	3.6	3.5	3.2	2.8	2.7	2.7	2.8	2.7	2.7	2.9	2.9
169.5°	3.6	3.5	3.2	2.8	2.7	2.7	2.8	2.8	2.7	2.9	2.9
170°	3.5	3.5	3.2	2.8	2.7	2.8	2.9	2.9	2.7	2.9	3.1
170.5°	3.5	3.4	2.9	2.7	2.7	2.9	3.0	3.0	2.7	3.1	3.3
171°	3.5	3.3	2.8	2.7	2.7	2.9	3.1	3.1	2.8	3.3	3.3
171.5°	3.5	3.2	2.7	2.6	2.8	3.0	3.2	3.1	3.1	3.3	3.3
172°	3.4	3.1	2.7	2.6	2.8	3.2	3.2	3.1	3.1	3.3	3.3
172.5°	3.3	3.1	2.7	2.6	2.9	3.2	3.2	3.1	3.1	3.2	3.3
173°	3.3	3.0	2.7	2.6	2.9	3.2	3.2	3.1	3.1	3.2	3.3
173.5°	3.2	3.0	2.7	2.7	2.9	3.2	3.2	3.1	3.1	3.2	3.3
174°	3.1	2.8	2.6	2.7	2.9	3.2	3.2	3.1	3.1	3.1	3.3
174.5°	3.0	2.6	2.6	2.7	3.1	3.2	3.2	3.1	3.1	3.1	3.2
175°	3.0	2.7	2.6	2.8	3.1	3.2	3.2	3.1	3.1	3.2	3.2
175.5°	3.0	2.7	2.6	2.8	3.1	3.2	3.2	3.1	3.1	3.1	3.1
176°	3.0	2.7	2.7	2.8	3.0	3.2	3.2	3.1	3.1	3.1	3.1
176.5°	3.0	2.8	2.7	2.8	3.0	3.2	3.2	3.1	3.1	3.1	3.1
177°	3.0	2.8	2.7	2.8	3.1	3.2	3.2	3.1	3.1	3.1	3.1
177.5°	2.9	2.7	2.7	2.8	3.0	3.2	3.1	3.1	3.1	3.0	3.0
178°	2.7	2.6	2.6	2.6	2.8	3.0	3.1	3.0	3.0	3.0	3.0
178.5°	2.7	2.5	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.0	3.0



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**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: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8	1589.8
0.5°	1589.2	1589.3	1589.3	1589.3	1589.3	1589.3	1589.4	1589.4	1589.5	1589.5	1589.5
1°	1588.8	1588.8	1588.5	1588.2	1587.9	1587.7	1587.8	1588.1	1588.5	1588.9	1589.1
1.5°	1587.9	1587.9	1588.0	1587.8	1587.6	1587.6	1587.8	1588.0	1588.2	1588.3	1588.5
2°	1586.5	1586.6	1586.4	1586.1	1585.8	1585.8	1586.0	1586.4	1586.9	1587.2	1587.3
2.5°	1585.6	1585.5	1584.8	1584.1	1584.2	1584.5	1584.5	1584.6	1585.1	1585.8	1586.2
3°	1584.1	1583.9	1583.1	1582.8	1583.0	1583.2	1583.1	1583.1	1583.6	1584.2	1584.5
3.5°	1581.7	1581.5	1581.3	1580.8	1580.9	1581.5	1581.7	1581.9	1582.4	1582.9	1583.4
4°	1580.4	1580.2	1579.6	1579.0	1579.3	1579.7	1580.0	1580.1	1580.2	1580.9	1581.4
4.5°	1577.9	1577.6	1577.5	1577.5	1577.4	1577.1	1577.3	1577.8	1578.1	1579.0	1580.2
5°	1576.0	1575.7	1574.9	1574.5	1574.0	1573.8	1574.4	1575.3	1576.3	1577.5	1578.9
5.5°	1574.0	1573.2	1572.6	1572.0	1571.8	1572.1	1572.1	1572.8	1574.0	1575.6	1577.1
6°	1571.1	1570.5	1570.0	1569.5	1569.4	1569.1	1569.0	1569.7	1571.1	1572.3	1574.3
6.5°	1568.3	1567.2	1566.7	1566.3	1566.1	1566.3	1566.3	1567.2	1568.5	1570.0	1572.1
7°	1566.1	1565.0	1563.7	1562.9	1563.1	1563.4	1563.7	1564.5	1566.0	1567.2	1570.0
7.5°	1563.4	1562.3	1560.4	1559.9	1559.3	1558.7	1559.6	1560.9	1562.4	1564.3	1566.9
8°	1559.8	1558.9	1557.3	1556.2	1555.6	1555.8	1556.2	1557.5	1559.1	1560.9	1563.8
8.5°	1556.3	1554.6	1553.7	1552.7	1551.8	1552.1	1552.4	1553.9	1555.9	1557.7	1560.7
9°	1552.4	1550.9	1549.9	1548.5	1548.3	1548.3	1548.3	1549.7	1552.1	1554.9	1558.3
9.5°	1549.2	1547.5	1545.4	1544.5	1544.1	1543.8	1544.1	1545.7	1548.2	1551.1	1554.8
10°	1546.5	1543.6	1541.6	1540.2	1539.8	1539.7	1539.6	1541.4	1544.3	1547.4	1550.9
10.5°	1542.0	1539.6	1537.1	1535.5	1534.8	1534.1	1535.3	1537.4	1540.0	1543.5	1547.8
11°	1537.5	1535.1	1532.6	1531.1	1530.3	1530.1	1530.5	1532.3	1535.6	1538.9	1543.6
11.5°	1533.0	1530.3	1527.8	1526.1	1525.4	1524.7	1525.7	1527.6	1531.0	1535.5	1538.9
12°	1529.3	1525.5	1522.7	1521.1	1520.0	1519.7	1521.0	1523.3	1526.5	1531.3	1535.8
12.5°	1524.9	1520.9	1518.1	1516.2	1515.2	1514.0	1515.6	1517.9	1521.4	1526.1	1531.9
13°	1520.2	1515.8	1512.7	1510.5	1508.7	1508.3	1510.2	1512.5	1515.9	1521.2	1526.7
13.5°	1514.6	1510.2	1507.1	1504.6	1502.8	1502.7	1504.4	1506.5	1510.7	1515.9	1522.2
14°	1509.9	1505.1	1501.6	1498.9	1497.0	1497.6	1498.2	1500.9	1505.6	1511.5	1516.7
14.5°	1504.5	1499.2	1495.9	1493.3	1490.5	1490.9	1492.6	1495.1	1499.8	1506.1	1512.1
15°	1499.0	1493.7	1490.2	1486.9	1485.0	1484.6	1486.1	1489.4	1493.6	1500.1	1506.7
15.5°	1493.9	1488.2	1483.7	1480.2	1478.8	1477.9	1479.5	1482.8	1488.0	1494.3	1501.4
16°	1488.2	1482.3	1477.3	1473.4	1471.1	1471.0	1472.5	1476.2	1481.4	1488.1	1495.4
16.5°	1482.1	1476.1	1471.0	1466.8	1464.7	1464.9	1466.2	1469.6	1475.3	1482.1	1489.5
17°	1476.1	1469.7	1464.6	1460.5	1458.2	1457.7	1459.3	1462.8	1468.7	1476.5	1483.7
17.5°	1469.8	1463.3	1457.9	1453.5	1451.0	1450.3	1452.4	1455.7	1461.7	1469.8	1478.3
18°	1463.4	1456.3	1450.8	1446.0	1443.3	1442.4	1444.1	1449.1	1455.2	1463.2	1472.1
18.5°	1456.7	1449.7	1443.3	1438.1	1435.9	1435.4	1437.1	1441.8	1448.7	1456.6	1465.6
19°	1450.6	1442.3	1435.7	1430.6	1428.8	1427.1	1428.9	1433.8	1440.6	1449.5	1458.3
19.5°	1443.0	1435.0	1428.2	1422.9	1420.8	1419.4	1421.4	1425.9	1433.0	1442.7	1452.0
20°	1436.4	1428.1	1420.9	1415.1	1412.0	1411.4	1414.0	1418.4	1425.9	1435.6	1446.1
20.5°	1429.4	1420.6	1413.2	1406.9	1403.4	1403.0	1405.6	1410.9	1418.4	1428.3	1439.3
21°	1421.8	1413.1	1405.2	1398.6	1394.8	1394.6	1397.1	1402.5	1410.7	1421.2	1431.7





TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1399.1	1388.8	1380.1	1373.5	1368.7	1368.0	1370.2	1376.0	1385.4	1397.8	1409.4
23°	1391.6	1380.6	1371.9	1364.5	1359.9	1359.6	1361.4	1367.6	1377.3	1389.6	1402.3
23.5°	1383.3	1371.8	1362.7	1355.4	1351.3	1349.7	1352.0	1358.4	1368.7	1381.0	1394.3
24°	1375.3	1363.5	1353.7	1345.5	1341.5	1339.8	1342.1	1349.6	1359.5	1372.4	1385.8
24.5°	1366.9	1355.1	1344.4	1336.0	1332.0	1329.8	1333.2	1341.1	1351.2	1363.9	1377.9
25°	1359.5	1346.3	1336.0	1327.1	1322.8	1320.3	1323.6	1331.7	1342.2	1355.4	1369.3
25.5°	1349.9	1337.1	1326.7	1317.4	1312.3	1310.6	1313.7	1321.4	1332.4	1346.3	1361.3
26°	1341.1	1327.8	1316.6	1307.8	1302.8	1300.5	1304.0	1311.7	1323.7	1337.8	1353.0
26.5°	1332.3	1318.8	1306.8	1297.8	1292.9	1290.4	1293.3	1301.9	1313.9	1328.8	1344.0
27°	1323.9	1310.0	1297.4	1287.3	1282.1	1280.7	1283.4	1291.7	1304.3	1319.2	1335.1
27.5°	1314.6	1299.7	1287.4	1276.9	1271.1	1270.5	1273.3	1281.4	1294.2	1310.3	1325.8
28°	1304.9	1290.2	1277.6	1266.7	1261.2	1259.5	1263.1	1272.1	1284.9	1300.6	1317.3
28.5°	1296.0	1281.1	1267.7	1257.1	1250.7	1248.7	1252.0	1261.4	1274.9	1290.7	1307.2
29°	1286.6	1270.8	1257.3	1246.0	1239.7	1238.7	1242.1	1250.4	1263.9	1280.6	1298.0
29.5°	1277.0	1260.5	1246.9	1235.4	1229.2	1227.1	1230.0	1239.9	1253.9	1271.3	1289.2
30°	1267.2	1250.4	1236.4	1224.7	1217.9	1216.1	1220.0	1229.5	1243.7	1261.5	1279.5
30.5°	1257.2	1240.5	1225.9	1213.8	1207.4	1205.0	1208.7	1218.4	1232.9	1251.0	1269.5
31°	1247.2	1230.1	1215.2	1203.0	1196.3	1193.9	1198.0	1207.9	1222.4	1240.6	1260.0
31.5°	1237.0	1219.7	1204.5	1191.9	1184.8	1182.3	1186.6	1197.0	1212.1	1230.7	1249.8
32°	1226.7	1209.4	1193.9	1180.4	1173.2	1170.8	1175.1	1185.6	1201.6	1220.3	1239.9
32.5°	1217.0	1198.9	1182.7	1168.8	1161.6	1159.2	1163.7	1174.1	1190.6	1210.0	1229.7
33°	1206.4	1187.8	1171.6	1157.2	1150.1	1147.7	1152.2	1162.6	1179.3	1199.6	1219.8
33.5°	1195.4	1176.6	1160.5	1145.5	1138.5	1136.1	1140.7	1151.2	1168.0	1188.8	1209.4
34°	1186.3	1165.7	1149.5	1134.6	1126.2	1124.4	1128.3	1139.6	1156.7	1177.8	1199.0
34.5°	1175.1	1154.8	1138.3	1123.6	1114.7	1112.2	1116.8	1128.5	1145.5	1166.9	1188.9
35°	1164.0	1143.5	1125.9	1111.8	1103.1	1100.2	1105.2	1117.1	1134.2	1155.9	1178.2
35.5°	1153.0	1132.3	1114.5	1100.1	1091.2	1088.4	1093.2	1105.5	1122.6	1144.9	1167.5
36°	1141.9	1121.3	1103.3	1087.7	1078.8	1076.2	1081.0	1092.6	1110.9	1133.9	1156.7
36.5°	1130.7	1109.7	1090.8	1075.7	1066.4	1064.2	1068.9	1081.2	1099.1	1121.9	1146.0
37°	1119.4	1097.6	1079.3	1064.0	1054.1	1051.5	1056.6	1069.5	1087.5	1110.4	1134.7
37.5°	1108.1	1086.0	1067.4	1052.0	1042.8	1039.4	1044.6	1057.1	1075.4	1098.7	1123.5
38°	1096.3	1074.2	1055.2	1039.2	1029.8	1027.7	1032.1	1045.3	1064.0	1087.3	1111.5
38.5°	1084.9	1062.7	1043.3	1027.4	1017.8	1014.6	1020.1	1033.0	1052.0	1075.8	1100.3
39°	1073.5	1051.1	1031.1	1015.0	1005.6	1002.7	1008.1	1021.1	1040.1	1064.2	1089.0
39.5°	1061.7	1039.5	1019.4	1002.8	993.6	990.1	995.1	1008.5	1027.9	1052.2	1077.7
40°	1050.4	1027.3	1007.3	990.8	980.7	977.8	983.2	996.4	1015.7	1040.4	1066.1
40.5°	1038.7	1015.3	995.1	978.3	968.2	965.3	970.1	983.6	1004.2	1028.5	1054.8
41°	1027.0	1003.3	982.8	965.6	955.8	952.8	958.4	971.8	991.7	1016.7	1042.8
41.5°	1015.0	991.4	970.7	953.7	943.5	940.6	945.5	959.6	979.7	1004.8	1031.1
42°	1002.9	979.1	958.1	941.3	930.6	927.9	933.5	946.8	967.4	992.5	1019.9
42.5°	991.4	967.4	945.9	928.9	918.3	915.6	920.8	934.7	955.5	980.2	1007.3
43°	979.6	954.8	933.9	916.4	905.5	903.4	908.8	922.5	943.2	968.6	995.8
43.5°	967.4	942.9	921.5	903.7	893.6	890.5	896.0	909.6	930.3	956.6	983.7



TEST NUMBER: P563564  
 CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	930.9	905.6	884.0	866.7	856.5	853.0	858.3	872.7	893.2	919.9	947.8
45.5°	918.7	893.7	872.3	854.2	843.9	840.8	846.4	860.4	881.0	907.5	935.4
46°	906.5	881.6	859.6	842.1	831.3	828.9	834.1	848.3	869.2	895.3	923.5
46.5°	894.2	869.2	847.4	829.7	819.1	816.3	821.7	836.2	857.1	883.0	911.0
47°	882.1	856.6	834.9	817.3	806.4	803.8	809.5	823.4	844.5	870.7	899.3
47.5°	869.5	844.4	822.8	805.1	794.4	791.9	797.2	811.2	832.1	858.4	886.8
48°	856.9	832.4	809.9	792.7	782.3	779.2	784.5	798.7	819.7	845.9	874.3
48.5°	844.6	819.9	798.1	780.7	770.3	767.1	772.8	786.5	807.4	833.8	861.7
49°	832.5	807.4	785.8	768.7	757.7	754.9	760.8	774.7	795.7	821.9	849.4
49.5°	820.8	795.1	773.9	756.6	745.6	743.3	748.5	762.6	783.0	809.4	837.6
50°	807.3	782.9	761.3	744.1	733.5	731.0	736.9	750.2	771.4	796.9	825.4
50.5°	795.6	770.6	748.6	731.9	721.9	719.2	724.1	737.8	758.9	784.6	812.9
51°	783.1	758.0	737.0	720.1	709.7	707.7	712.5	726.1	746.4	772.4	800.8
51.5°	770.5	745.9	725.1	708.3	697.8	695.6	700.9	714.6	734.6	760.3	788.2
52°	757.9	734.2	713.1	696.5	686.0	683.7	689.0	702.9	722.8	748.7	776.0
52.5°	745.7	721.9	701.1	684.5	674.6	672.5	677.2	690.9	711.0	736.4	763.6
53°	733.5	709.7	688.7	672.5	662.7	660.9	665.6	679.0	698.9	724.1	751.5
53.5°	721.2	697.6	676.7	660.8	650.9	648.9	654.4	667.0	687.1	712.0	739.8
54°	709.0	685.6	664.8	649.2	639.5	636.8	642.2	655.1	675.0	699.9	727.4
54.5°	696.7	673.2	653.0	637.4	627.8	625.9	631.2	643.6	663.3	687.7	714.6
55°	684.3	660.8	641.3	626.0	616.3	614.3	619.4	632.2	651.4	676.0	702.4
55.5°	672.5	649.1	629.5	614.3	605.5	603.3	608.3	620.6	639.6	664.0	689.9
56°	659.9	637.1	617.6	603.0	593.9	592.1	597.0	608.9	627.8	652.0	678.1
56.5°	647.5	624.9	606.3	591.7	582.3	580.5	585.9	597.9	616.5	640.1	665.7
57°	635.5	613.2	594.4	580.2	571.3	569.8	574.7	586.8	604.7	627.9	653.6
57.5°	622.9	601.6	583.2	568.7	560.1	558.4	563.0	575.1	593.2	616.0	641.3
58°	610.9	589.6	571.5	557.6	549.5	547.6	552.4	563.9	581.6	604.1	629.3
58.5°	598.6	578.1	560.2	546.4	538.3	536.8	541.5	552.7	570.4	592.6	617.6
59°	586.7	566.4	548.6	535.5	527.2	525.8	530.4	541.8	558.9	580.9	605.4
59.5°	574.7	554.4	537.7	524.3	516.2	514.9	520.1	530.8	547.9	569.2	593.3
60°	562.5	543.1	526.6	513.1	505.9	504.6	509.0	519.7	536.4	557.6	581.0
60.5°	550.7	531.4	515.2	502.3	495.0	493.6	498.1	508.8	525.4	546.0	568.8
61°	538.4	519.9	503.9	491.5	484.2	483.1	487.4	498.1	514.1	534.5	557.2
61.5°	526.6	508.4	493.0	481.2	474.4	472.7	477.2	487.5	503.3	523.0	545.0
62°	514.4	497.0	482.2	470.2	463.4	462.4	466.6	477.0	492.1	511.7	533.1
62.5°	503.0	485.8	471.1	459.5	452.8	452.2	456.2	466.2	481.2	500.4	521.4
63°	491.3	474.6	459.9	448.9	442.7	441.8	445.8	455.5	470.2	489.0	509.6
63.5°	479.7	463.2	449.1	438.4	432.7	431.6	435.7	445.1	459.5	477.9	498.2
64°	467.6	451.9	439.0	428.2	422.5	421.6	425.3	434.8	448.6	466.7	486.2
64.5°	456.1	440.9	428.0	417.7	412.1	411.6	415.4	424.4	437.9	455.4	474.7
65°	444.5	429.8	417.3	407.6	402.3	401.5	405.5	414.3	427.5	444.4	463.1
65.5°	433.0	418.9	407.2	397.6	392.3	391.6	395.5	404.1	417.2	433.3	451.5
66°	421.8	408.0	396.8	387.2	382.1	381.5	385.2	393.7	406.4	422.5	439.9



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	387.1	375.2	365.1	357.4	353.1	352.6	356.2	363.9	375.2	389.8	405.4
68°	375.9	364.7	355.0	347.4	343.6	343.3	346.7	354.1	364.8	379.1	394.5
68.5°	364.9	353.9	344.8	337.8	334.1	333.6	337.1	344.5	354.9	368.5	383.4
69°	353.7	343.3	334.9	328.2	324.6	324.5	327.6	334.7	344.8	357.8	372.4
69.5°	342.6	333.0	324.8	318.4	314.9	314.9	318.1	325.0	334.8	347.1	361.0
70°	331.8	322.6	315.0	308.8	305.8	306.0	308.9	315.4	324.7	336.6	349.8
70.5°	320.5	312.2	305.0	299.6	296.8	296.9	299.8	305.9	314.8	326.4	338.5
71°	309.8	301.9	295.5	290.3	287.7	287.8	290.6	296.5	305.2	315.9	328.0
71.5°	299.1	291.8	285.8	281.0	278.5	278.7	281.6	287.2	295.5	305.7	316.9
72°	288.5	281.8	276.2	271.8	269.6	270.1	272.7	278.1	285.9	295.7	306.4
72.5°	277.7	271.8	266.7	262.8	260.8	261.1	263.9	269.0	276.3	285.5	295.4
73°	267.4	262.0	257.3	253.7	251.9	252.4	254.9	259.9	266.6	275.5	285.3
73.5°	256.9	252.1	247.8	244.8	243.4	243.7	246.3	250.8	257.4	265.6	274.5
74°	246.4	242.3	238.9	236.1	234.7	235.6	237.7	242.1	248.2	255.9	264.0
74.5°	236.2	232.8	229.6	227.6	226.3	227.1	229.3	233.5	239.1	246.1	253.5
75°	226.3	223.5	220.9	218.8	217.9	218.7	220.9	224.6	230.0	236.4	243.7
75.5°	216.4	214.1	211.8	210.4	209.8	210.5	212.5	216.0	220.9	226.9	233.4
76°	206.3	204.8	203.4	202.0	201.4	202.3	204.2	207.7	212.3	217.5	223.5
76.5°	196.7	195.6	194.6	193.7	193.5	194.3	196.2	199.4	203.4	208.2	213.5
77°	187.2	186.6	186.3	185.7	185.5	186.5	188.3	191.1	194.8	199.0	203.8
77.5°	177.6	177.9	177.8	177.8	178.0	178.9	180.7	183.1	186.4	190.0	193.7
78°	168.4	169.4	169.7	170.0	170.6	171.4	172.9	175.3	178.2	181.3	184.4
78.5°	159.5	161.1	161.8	162.3	163.0	164.0	165.5	167.5	169.8	172.5	175.0
79°	150.5	152.6	153.9	154.9	155.7	156.8	158.1	160.0	161.9	163.9	165.9
79.5°	142.1	144.7	146.4	147.7	148.6	149.7	151.2	152.6	154.1	155.6	156.5
80°	133.8	137.2	139.4	140.9	142.1	143.0	144.1	145.2	146.7	147.4	147.9
80.5°	125.4	129.7	132.4	134.3	135.7	136.5	137.5	138.4	139.6	139.6	139.7
81°	117.1	122.2	125.4	127.7	129.2	130.1	131.1	131.9	132.6	132.1	131.4
81.5°	109.3	114.7	118.4	121.0	122.7	123.7	124.6	125.3	125.5	124.6	123.2
82°	102.1	107.5	111.4	114.4	116.2	117.3	118.1	118.7	118.4	117.1	115.0
82.5°	94.7	100.8	105.0	108.1	110.2	111.4	112.1	112.3	111.4	109.8	106.9
83°	87.5	94.0	98.7	102.0	104.2	105.5	106.1	106.0	104.9	102.8	99.5
83.5°	80.8	87.5	92.6	96.1	98.3	99.6	100.3	100.0	98.7	96.0	92.2
84°	74.3	81.4	86.7	90.4	92.8	94.2	94.7	94.2	92.5	89.5	85.2
84.5°	68.1	75.6	81.1	84.9	87.4	88.7	89.2	88.5	86.7	83.2	78.3
85°	62.2	69.9	75.6	79.6	82.2	83.6	83.9	83.0	80.9	77.2	72.0
85.5°	56.7	64.5	70.4	74.5	77.1	78.4	78.6	77.8	75.4	71.5	65.8
86°	51.4	59.3	65.3	69.7	72.3	73.6	73.9	72.8	70.1	65.9	60.0
86.5°	46.4	54.5	60.7	65.0	67.7	69.0	69.2	67.9	65.2	60.6	54.3
87°	41.9	50.0	56.1	60.5	63.4	64.7	64.7	63.3	60.4	55.7	49.2
87.5°	37.6	45.6	51.9	56.4	59.1	60.5	60.4	59.0	55.9	51.0	44.3
88°	33.7	41.7	47.9	52.4	55.2	56.4	56.4	54.9	51.6	46.7	39.8
88.5°	30.1	38.0	44.2	48.7	51.4	52.6	52.5	50.9	47.6	42.6	35.7



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	21.5	28.6	34.5	38.7	41.5	42.6	42.4	40.5	37.0	32.0	25.2
90.5°	19.3	26.1	31.7	35.9	38.6	39.6	39.3	37.5	34.1	29.0	22.5
91°	17.4	23.8	29.3	33.4	35.9	36.9	36.6	34.8	31.4	26.3	20.1
91.5°	15.8	21.8	27.0	30.9	33.4	34.4	34.0	32.2	28.8	24.0	18.0
92°	14.7	20.1	25.0	28.7	31.2	32.1	31.7	29.9	26.6	22.0	16.2
92.5°	13.8	18.6	23.2	26.8	29.1	30.0	29.6	27.8	24.5	20.1	15.0
93°	12.9	17.2	21.7	25.1	27.2	28.1	27.7	25.9	22.8	18.5	14.0
93.5°	11.9	16.2	20.3	23.5	25.6	26.4	26.0	24.3	21.2	17.2	12.9
94°	10.9	15.3	19.2	22.2	24.1	24.9	24.5	22.8	19.9	16.0	11.8
94.5°	10.4	14.5	18.2	21.1	22.9	23.6	23.1	21.5	18.7	15.0	10.8
95°	10.0	13.9	17.3	20.1	21.8	22.4	21.9	20.4	17.7	14.2	10.2
95.5°	9.7	13.4	16.6	19.1	20.8	21.3	20.9	19.4	16.8	13.5	9.8
96°	9.3	12.9	15.9	18.3	19.8	20.4	19.9	18.5	16.1	13.0	9.5
96.5°	9.1	12.5	15.3	17.6	19.0	19.6	19.1	17.8	15.4	12.5	9.1
97°	8.9	12.2	14.8	16.9	18.3	18.8	18.4	17.2	14.9	12.0	8.7
97.5°	8.7	11.8	14.4	16.4	17.7	18.1	17.8	16.6	14.5	11.6	8.3
98°	8.6	11.4	13.9	15.9	17.1	17.6	17.3	16.1	14.1	11.1	8.0
98.5°	8.4	11.1	13.6	15.4	16.6	17.1	16.8	15.6	13.6	10.7	7.7
99°	8.3	10.9	13.2	15.0	16.2	16.6	16.2	15.1	13.1	10.3	7.5
99.5°	8.2	10.7	12.9	14.6	15.7	16.1	15.8	14.6	12.7	10.0	7.5
100°	8.1	10.6	12.7	14.3	15.3	15.7	15.3	14.2	12.4	9.7	7.4
100.5°	8.0	10.4	12.4	14.0	15.0	15.3	14.9	13.8	12.0	9.5	7.3
101°	7.9	10.3	12.2	13.7	14.6	14.9	14.5	13.4	11.6	9.4	7.2
101.5°	7.7	10.1	12.0	13.4	14.3	14.6	14.2	13.0	11.3	9.3	7.1
102°	7.6	10.0	11.8	13.2	14.0	14.3	13.8	12.8	11.1	9.2	7.0
102.5°	7.4	9.9	11.6	13.0	13.8	14.0	13.6	12.6	11.0	9.1	6.8
103°	7.3	9.7	11.4	12.8	13.5	13.8	13.4	12.4	10.8	9.0	6.7
103.5°	7.1	9.6	11.3	12.6	13.3	13.6	13.2	12.3	10.7	8.9	6.5
104°	7.0	9.4	11.1	12.4	13.1	13.4	13.0	12.1	10.6	8.7	6.3
104.5°	6.8	9.2	11.0	12.2	12.9	13.2	12.9	12.0	10.5	8.6	6.1
105°	6.7	9.0	10.8	12.0	12.8	13.1	12.7	11.8	10.3	8.4	5.9
105.5°	6.5	8.8	10.6	11.8	12.6	12.9	12.6	11.6	10.2	8.2	5.8
106°	6.4	8.6	10.4	11.6	12.4	12.7	12.4	11.5	10.0	8.0	5.6
106.5°	6.2	8.5	10.2	11.4	12.2	12.6	12.2	11.3	9.9	7.8	5.4
107°	6.1	8.3	10.0	11.2	12.0	12.3	12.0	11.1	9.6	7.6	5.3
107.5°	6.0	8.1	9.7	11.0	11.8	12.1	11.8	10.9	9.4	7.4	5.2
108°	5.8	7.9	9.5	10.8	11.6	11.9	11.6	10.7	9.2	7.2	5.0
108.5°	5.6	7.8	9.4	10.6	11.3	11.7	11.4	10.5	8.9	7.0	4.9
109°	5.5	7.6	9.2	10.3	11.1	11.4	11.2	10.2	8.7	6.8	4.8
109.5°	5.3	7.4	9.0	10.1	10.8	11.2	10.9	9.9	8.4	6.6	4.6
110°	5.2	7.2	8.7	9.9	10.6	10.9	10.7	9.7	8.2	6.4	4.5
110.5°	5.0	7.1	8.5	9.7	10.3	10.6	10.4	9.5	8.0	6.3	4.4
111°	4.9	6.9	8.4	9.4	10.1	10.4	10.1	9.2	7.8	6.1	4.2



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	4.3	6.3	7.9	8.8	9.4	9.7	9.4	8.5	7.2	5.7	3.8
113°	4.2	6.1	7.7	8.6	9.2	9.4	9.2	8.3	7.0	5.6	3.7
113.5°	4.0	5.9	7.5	8.4	9.0	9.2	9.0	8.1	6.8	5.4	3.6
114°	3.9	5.7	7.3	8.2	8.8	9.0	8.8	7.9	6.7	5.3	3.5
114.5°	3.8	5.5	7.1	8.1	8.6	8.8	8.6	7.8	6.5	5.2	3.4
115°	3.7	5.3	6.9	7.9	8.4	8.6	8.4	7.5	6.3	5.0	3.3
115.5°	3.6	5.1	6.7	7.7	8.2	8.3	8.2	7.3	6.1	4.8	3.2
116°	3.5	4.9	6.5	7.5	8.0	8.2	7.9	7.1	6.0	4.6	3.1
116.5°	3.4	4.7	6.3	7.3	7.9	8.0	7.7	6.9	5.8	4.5	3.1
117°	3.4	4.6	6.1	7.1	7.7	7.8	7.5	6.7	5.6	4.3	3.0
117.5°	3.3	4.4	5.8	6.9	7.5	7.6	7.3	6.5	5.4	4.2	3.0
118°	3.3	4.3	5.6	6.7	7.3	7.4	7.1	6.4	5.2	4.1	2.9
118.5°	3.2	4.1	5.4	6.5	7.1	7.2	6.9	6.2	5.0	3.9	2.8
119°	3.1	4.0	5.2	6.3	6.9	7.0	6.7	6.0	4.8	3.8	2.7
119.5°	3.0	3.9	5.0	6.0	6.7	6.8	6.5	5.7	4.6	3.7	2.5
120°	2.9	3.8	4.8	5.8	6.5	6.6	6.3	5.5	4.4	3.6	2.4
120.5°	2.8	3.7	4.6	5.6	6.2	6.4	6.1	5.3	4.3	3.5	2.4
121°	2.6	3.6	4.5	5.4	5.9	6.1	5.8	5.1	4.2	3.4	2.3
121.5°	2.6	3.5	4.4	5.1	5.7	5.9	5.6	4.9	4.0	3.3	2.3
122°	2.6	3.5	4.2	5.0	5.5	5.6	5.4	4.7	3.9	3.2	2.3
122.5°	2.6	3.5	4.1	4.8	5.3	5.4	5.2	4.6	3.8	3.1	2.3
123°	2.7	3.4	4.0	4.6	5.1	5.2	5.0	4.5	3.7	3.0	2.4
123.5°	2.7	3.2	3.9	4.5	4.9	5.0	4.8	4.3	3.6	2.8	2.4
124°	2.8	3.1	3.8	4.4	4.8	4.9	4.7	4.2	3.5	2.6	2.5
124.5°	2.8	3.0	3.7	4.3	4.6	4.7	4.6	4.1	3.4	2.5	2.5
125°	2.9	2.8	3.6	4.2	4.5	4.6	4.4	4.0	3.3	2.4	2.6
125.5°	2.9	2.6	3.5	4.0	4.3	4.4	4.3	3.9	3.2	2.3	2.6
126°	3.0	2.5	3.4	3.9	4.2	4.3	4.2	3.8	3.1	2.2	2.6
126.5°	3.1	2.5	3.3	3.8	4.1	4.2	4.1	3.7	2.9	2.2	2.7
127°	3.1	2.6	3.1	3.7	4.0	4.1	4.0	3.6	2.8	2.2	2.7
127.5°	3.2	2.6	3.0	3.6	3.9	4.0	3.9	3.5	2.6	2.2	2.7
128°	3.2	2.7	2.8	3.5	3.8	3.9	3.8	3.4	2.5	2.3	2.8
128.5°	3.3	2.7	2.7	3.4	3.7	3.8	3.7	3.2	2.4	2.3	2.8
129°	3.3	2.8	2.5	3.2	3.6	3.7	3.6	3.0	2.3	2.4	2.8
129.5°	3.4	2.8	2.5	3.1	3.5	3.6	3.4	2.9	2.3	2.4	2.8
130°	3.4	2.9	2.5	2.9	3.3	3.4	3.2	2.8	2.3	2.4	2.8
130.5°	3.4	2.9	2.6	2.8	3.1	3.2	3.1	2.6	2.4	2.5	2.8
131°	3.4	2.9	2.6	2.6	3.0	3.1	2.9	2.5	2.4	2.5	2.8
131.5°	3.5	3.0	2.7	2.5	2.8	2.9	2.8	2.4	2.4	2.6	2.8
132°	3.5	3.0	2.7	2.5	2.7	2.8	2.6	2.4	2.5	2.6	2.9
132.5°	3.6	3.1	2.8	2.6	2.5	2.6	2.5	2.5	2.5	2.7	2.9
133°	3.6	3.2	2.8	2.6	2.5	2.5	2.5	2.5	2.6	2.8	3.0
133.5°	3.7	3.2	2.8	2.6	2.5	2.4	2.5	2.5	2.6	2.8	3.1



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**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: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1589.8	1589.8	1589.8	1589.8
0.5°	1589.5	1589.4	1589.4	1589.4
1°	1589.2	1589.2	1589.2	1589.2
1.5°	1588.8	1588.9	1589.0	1589.3
2°	1587.5	1588.2	1588.8	1589.0
2.5°	1586.1	1586.5	1587.8	1588.4
3°	1585.0	1585.9	1587.2	1587.3
3.5°	1584.3	1585.7	1586.0	1586.2
4°	1583.2	1584.8	1584.9	1585.5
4.5°	1580.9	1582.7	1583.1	1583.8
5°	1579.6	1580.8	1582.1	1582.8
5.5°	1578.5	1579.1	1580.7	1581.8
6°	1575.9	1578.0	1578.9	1580.5
6.5°	1573.6	1575.0	1577.1	1578.8
7°	1572.3	1572.8	1575.8	1577.3
7.5°	1569.4	1571.3	1572.3	1575.1
8°	1566.3	1568.5	1571.1	1573.4
8.5°	1563.1	1565.6	1568.8	1570.4
9°	1560.6	1562.8	1565.9	1568.7
9.5°	1557.5	1560.0	1563.0	1565.9
10°	1553.8	1556.3	1560.3	1562.7
10.5°	1550.7	1553.9	1556.6	1559.8
11°	1546.9	1551.1	1554.4	1556.6
11.5°	1543.2	1547.4	1551.4	1553.2
12°	1539.6	1543.6	1548.2	1550.0
12.5°	1535.1	1539.7	1544.3	1546.9
13°	1530.7	1535.5	1540.5	1543.2
13.5°	1526.5	1531.4	1536.8	1539.1
14°	1522.0	1527.3	1532.4	1535.3
14.5°	1517.2	1523.5	1528.0	1531.4
15°	1512.3	1518.6	1523.7	1527.0
15.5°	1507.0	1513.4	1519.1	1523.0
16°	1501.7	1508.6	1515.0	1518.0
16.5°	1496.3	1503.4	1510.6	1512.6
17°	1491.2	1498.2	1505.1	1507.6
17.5°	1485.6	1493.0	1499.3	1503.3
18°	1480.1	1487.9	1494.1	1498.7
18.5°	1474.4	1482.5	1489.0	1492.9
19°	1468.0	1476.6	1483.5	1487.3
19.5°	1461.1	1470.7	1477.8	1481.7
20°	1454.8	1464.5	1471.7	1476.2
20.5°	1448.7	1457.9	1465.9	1470.5
21°	1442.6	1451.3	1459.4	1464.9



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
22.5°	1420.8	1431.6	1440.7	1445.4
23°	1413.5	1424.7	1433.6	1439.6
23.5°	1406.2	1417.3	1426.5	1432.4
24°	1398.6	1410.3	1419.7	1425.5
24.5°	1390.7	1402.9	1412.7	1419.0
25°	1383.1	1395.2	1405.6	1412.0
25.5°	1374.6	1387.9	1397.8	1404.4
26°	1367.2	1379.9	1390.4	1397.1
26.5°	1358.8	1371.9	1382.7	1389.3
27°	1350.4	1364.0	1374.6	1381.6
27.5°	1341.6	1356.4	1366.7	1374.0
28°	1333.1	1347.4	1358.8	1365.7
28.5°	1324.1	1339.0	1350.5	1357.6
29°	1314.6	1330.2	1342.2	1350.2
29.5°	1306.4	1321.2	1333.5	1341.9
30°	1297.3	1312.9	1324.9	1333.0
30.5°	1287.6	1303.6	1316.3	1324.7
31°	1277.8	1294.9	1307.5	1316.2
31.5°	1268.8	1285.0	1298.3	1307.3
32°	1258.8	1275.7	1289.0	1297.6
32.5°	1249.3	1266.2	1279.8	1288.5
33°	1239.7	1257.1	1270.3	1279.6
33.5°	1230.1	1248.0	1260.8	1270.1
34°	1219.4	1237.9	1251.3	1260.3
34.5°	1209.6	1227.6	1241.2	1250.3
35°	1199.5	1217.9	1231.8	1241.0
35.5°	1188.8	1207.6	1221.8	1231.5
36°	1178.3	1197.6	1211.6	1221.4
36.5°	1167.9	1187.1	1202.3	1211.1
37°	1157.4	1176.5	1192.2	1201.2
37.5°	1146.9	1166.1	1182.2	1191.4
38°	1136.0	1155.7	1171.0	1181.6
38.5°	1124.1	1145.2	1159.9	1170.6
39°	1112.7	1134.2	1148.8	1159.2
39.5°	1101.6	1123.0	1138.0	1148.1
40°	1090.6	1112.0	1127.7	1137.2
40.5°	1079.5	1101.1	1117.1	1127.0
41°	1067.8	1089.7	1105.6	1116.1
41.5°	1056.5	1078.0	1094.7	1104.7
42°	1044.5	1066.7	1083.4	1093.8
42.5°	1032.9	1055.5	1071.8	1082.9
43°	1021.2	1043.7	1060.3	1071.4
43.5°	1009.6	1032.0	1049.1	1059.4



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
45°	973.7	997.3	1014.2	1024.7
45.5°	962.0	985.2	1002.1	1013.3
46°	949.8	973.4	990.2	1001.1
46.5°	937.9	961.4	978.1	988.6
47°	926.2	949.4	966.4	976.6
47.5°	913.6	937.5	954.3	964.9
48°	901.7	924.7	941.9	953.2
48.5°	889.1	912.9	930.0	940.7
49°	877.0	900.8	917.9	929.0
49.5°	864.9	888.1	905.5	916.6
50°	852.2	875.8	893.0	904.2
50.5°	840.0	863.7	880.5	891.5
51°	828.2	850.9	868.4	879.3
51.5°	815.8	839.0	856.2	866.8
52°	803.0	826.3	843.2	854.6
52.5°	790.7	813.8	831.0	841.7
53°	778.2	801.3	818.1	829.2
53.5°	766.1	788.7	805.8	816.6
54°	753.7	776.2	793.1	804.1
54.5°	741.5	763.7	780.5	791.2
55°	729.3	751.3	767.9	778.2
55.5°	716.0	739.0	755.1	765.9
56°	703.7	725.6	742.1	752.8
56.5°	691.6	713.6	729.9	740.2
57°	679.4	700.9	717.0	727.9
57.5°	666.6	688.4	704.5	714.7
58°	654.2	675.2	691.3	701.6
58.5°	641.8	662.8	678.6	689.1
59°	629.9	650.0	665.9	676.1
59.5°	617.1	637.5	653.3	663.3
60°	604.8	624.7	640.5	650.1
60.5°	592.1	612.3	627.5	637.4
61°	580.2	599.8	614.5	624.5
61.5°	567.6	587.0	601.7	611.7
62°	555.4	574.5	588.9	598.7
62.5°	543.1	562.2	576.0	585.8
63°	531.2	549.4	563.2	572.9
63.5°	518.8	536.8	550.5	560.1
64°	506.3	524.3	537.6	547.0
64.5°	494.2	511.7	525.1	533.8
65°	482.5	499.0	512.3	520.7
65.5°	470.0	486.7	499.3	507.4
66°	458.5	474.6	486.5	494.2



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
67.5°	422.4	437.2	448.7	455.8
68°	410.3	424.5	435.8	443.2
68.5°	398.4	412.4	422.8	430.2
69°	387.0	399.8	410.5	417.3
69.5°	375.2	387.6	397.8	404.6
70°	363.3	375.6	385.4	391.7
70.5°	351.6	363.4	372.7	378.9
71°	340.2	351.2	360.4	366.4
71.5°	328.6	339.1	347.7	353.7
72°	317.1	327.2	335.2	341.3
72.5°	305.6	315.4	322.7	328.8
73°	294.3	303.2	310.6	316.0
73.5°	283.5	291.7	298.4	303.2
74°	272.2	279.7	286.3	291.1
74.5°	261.0	268.0	274.1	278.8
75°	250.1	256.1	261.9	266.6
75.5°	239.3	244.9	249.8	254.2
76°	228.8	233.4	238.5	242.1
76.5°	218.0	222.3	226.3	230.2
77°	207.6	211.0	214.9	218.4
77.5°	197.0	200.2	203.2	206.4
78°	186.9	188.9	191.9	195.0
78.5°	176.9	178.5	180.3	183.2
79°	167.0	167.9	169.4	171.8
79.5°	157.4	157.7	158.8	160.6
80°	148.3	147.9	148.5	150.0
80.5°	139.2	138.1	138.2	139.0
81°	130.2	128.4	127.9	128.3
81.5°	121.1	118.6	117.6	117.9
82°	112.1	108.8	107.3	107.7
82.5°	103.6	99.9	97.6	97.3
83°	95.2	91.1	88.5	88.1
83.5°	87.2	82.4	79.3	78.8
84°	79.6	74.1	70.5	70.0
84.5°	72.4	66.3	62.2	61.3
85°	65.3	58.8	54.4	53.3
85.5°	58.9	51.7	46.7	46.3
86°	52.7	45.1	39.7	39.4
86.5°	46.8	39.0	33.1	32.5
87°	41.3	33.1	27.1	25.6
87.5°	36.4	27.9	22.8	19.6
88°	31.8	23.4	18.6	14.2
88.5°	27.6	20.3	14.3	9.5



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
90°	17.7	11.0	4.1	3.0
90.5°	15.9	8.1	2.8	1.7
91°	14.2	6.6	2.0	0.3
91.5°	12.5	5.6	1.6	0.3
92°	10.7	4.8	1.4	0.2
92.5°	9.0	4.3	1.2	0.2
93°	8.2	4.0	1.1	0.1
93.5°	7.6	3.7	1.1	0.2
94°	7.1	3.5	1.0	0.2
94.5°	6.8	3.2	1.0	0.3
95°	6.5	3.1	1.0	0.4
95.5°	6.1	3.1	1.0	0.4
96°	5.7	3.1	1.0	0.5
96.5°	5.5	3.0	0.9	0.5
97°	5.3	3.0	0.9	0.6
97.5°	5.3	2.9	0.9	0.7
98°	5.2	2.7	0.9	0.7
98.5°	5.2	2.6	0.9	0.7
99°	5.2	2.6	0.9	0.8
99.5°	5.1	2.5	0.9	0.9
100°	5.0	2.5	1.0	1.0
100.5°	4.9	2.4	1.1	1.1
101°	4.7	2.4	1.2	1.2
101.5°	4.5	2.4	1.2	1.3
102°	4.4	2.4	1.3	1.4
102.5°	4.2	2.3	1.4	1.5
103°	4.1	2.2	1.4	1.5
103.5°	4.0	2.1	1.5	1.6
104°	3.9	2.0	1.5	1.6
104.5°	3.8	2.0	1.6	1.7
105°	3.7	1.9	1.6	1.7
105.5°	3.6	1.9	1.7	1.7
106°	3.6	1.8	1.8	1.6
106.5°	3.4	1.8	2.1	1.6
107°	3.3	1.7	2.2	1.6
107.5°	3.2	1.7	2.1	1.6
108°	3.1	1.6	2.1	1.7
108.5°	2.9	1.6	2.1	1.7
109°	2.8	1.6	2.0	1.7
109.5°	2.7	1.6	2.0	1.7
110°	2.6	1.7	1.9	1.7
110.5°	2.5	1.7	2.0	1.7
111°	2.4	1.7	2.0	1.7



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	2.3	1.8	2.0	1.7
113°	2.3	1.8	2.0	1.8
113.5°	2.2	1.9	2.0	1.8
114°	2.0	1.9	2.1	1.8
114.5°	2.0	2.0	2.1	1.8
115°	2.0	2.0	2.1	1.9
115.5°	1.9	2.1	2.1	1.9
116°	1.9	2.1	2.1	1.9
116.5°	2.0	2.1	2.1	1.9
117°	2.0	2.2	2.1	1.9
117.5°	2.1	2.4	2.1	1.9
118°	2.1	2.5	2.1	1.9
118.5°	2.2	2.6	2.1	1.9
119°	2.2	2.7	2.2	1.9
119.5°	2.3	2.7	2.2	2.0
120°	2.3	2.6	2.2	2.0
120.5°	2.4	2.6	2.3	2.0
121°	2.4	2.6	2.3	2.0
121.5°	2.4	2.6	2.3	2.0
122°	2.4	2.6	2.3	2.0
122.5°	2.4	2.6	2.3	2.1
123°	2.4	2.5	2.3	2.1
123.5°	2.5	2.5	2.3	2.1
124°	2.5	2.4	2.4	2.1
124.5°	2.6	2.4	2.4	2.1
125°	2.7	2.5	2.4	2.2
125.5°	2.8	2.6	2.4	2.2
126°	2.9	2.7	2.5	2.2
126.5°	3.1	2.8	2.5	2.2
127°	3.2	2.8	2.5	2.2
127.5°	3.3	2.8	2.5	2.3
128°	3.3	2.9	2.5	2.3
128.5°	3.3	2.9	2.6	2.3
129°	3.3	2.9	2.6	2.3
129.5°	3.3	2.9	2.6	2.3
130°	3.3	2.9	2.7	2.4
130.5°	3.2	2.8	2.6	2.4
131°	3.2	2.8	2.4	2.4
131.5°	3.1	2.8	2.4	2.4
132°	3.0	2.8	2.4	2.4
132.5°	3.0	2.9	2.5	2.4
133°	2.9	2.9	2.7	2.4
133.5°	2.9	2.8	2.7	2.4



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
157.5°	3.4	2.6	1.8	1.6
158°	3.4	2.6	1.8	1.6
158.5°	3.4	2.6	1.8	1.7
159°	3.4	2.5	1.8	1.7
159.5°	3.4	2.5	1.8	1.7
160°	3.4	2.5	1.8	1.7
160.5°	3.4	2.5	1.8	1.7
161°	3.5	2.5	1.8	1.7
161.5°	3.5	2.5	1.8	1.7
162°	3.5	2.5	1.7	1.7
162.5°	3.4	2.4	1.7	1.7
163°	3.4	2.3	1.7	1.7
163.5°	3.5	2.2	1.7	1.7
164°	3.5	2.2	1.7	1.7
164.5°	3.1	2.2	1.7	1.7
165°	2.9	2.1	1.7	1.7
165.5°	3.2	2.0	1.7	1.8
166°	3.3	1.9	1.7	1.8
166.5°	2.9	1.8	1.7	1.8
167°	2.6	1.9	1.7	1.8
167.5°	3.0	2.1	1.8	1.8
168°	3.2	2.4	1.8	1.8
168.5°	3.0	2.3	1.9	1.8
169°	3.0	2.4	1.9	1.9
169.5°	3.1	2.5	2.0	1.9
170°	2.9	2.5	2.3	2.0
170.5°	3.0	2.5	2.4	2.2
171°	3.2	2.8	2.4	2.5
171.5°	3.2	2.9	2.6	2.5
172°	3.1	2.9	2.8	2.5
172.5°	3.1	2.9	2.8	2.7
173°	3.1	2.9	2.8	2.7
173.5°	3.1	3.0	2.8	2.7
174°	3.1	3.0	2.9	2.8
174.5°	3.0	3.0	2.9	2.8
175°	3.0	3.0	3.0	2.9
175.5°	3.0	3.0	3.0	3.0
176°	3.0	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	3.0





TEST NUMBER: P563564

CATALOG NUMBER: 4NWS3C3MS-UNV-MED-3500K

**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°	1458.8	1462.3	1461.9	1459.2	1453.9	1447.6	1440.9	1435.2	1430.5	1428.1	1427.2
22°	1451.9	1455.7	1455.6	1452.5	1447.2	1440.6	1433.2	1427.4	1423.2	1419.9	1419.2



44°	1048.0	1051.8	1046.9	1035.8	1017.8	995.8	973.4	954.1	940.0	932.9	933.9
44.5°	1036.4	1039.6	1035.5	1023.8	1005.8	983.3	961.3	941.7	927.6	920.7	920.7





66.5°	481.3	485.8	484.6	477.9	466.9	451.8	437.8	425.5	416.6	411.4	410.0
67°	468.4	472.6	472.1	465.9	455.0	440.8	427.5	415.3	406.3	401.5	400.5



89°	5.9	11.6	22.1	34.1	45.4	53.3	59.6	63.2	64.6	64.1	61.7
89.5°	4.4	8.1	18.1	29.8	40.9	49.3	55.6	58.8	60.3	59.8	57.5



111.5°	1.7	1.7	1.4	1.3	1.7	2.6	3.8	5.0	5.8	6.0	5.8
112°	1.7	1.7	1.5	1.3	1.7	2.5	3.6	4.7	5.5	5.7	5.5



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



156.5°	1.7	2.6	3.0	3.0	3.0	3.0	3.2	3.5	3.7	3.8	3.8
157°	1.6	2.6	3.0	3.0	3.0	3.0	3.1	3.4	3.6	3.7	3.8



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





21.5°	1428.5	1432.3	1435.6	1439.9	1443.8	1445.6	1445.7	1443.8	1439.4	1432.7	1424.1
22°	1420.6	1424.1	1428.4	1433.1	1437.4	1438.9	1439.1	1437.4	1432.4	1425.5	1416.7





44°	940.7	954.7	972.8	989.8	1005.0	1015.9	1020.1	1018.3	1010.9	997.3	977.4
44.5°	928.6	942.9	960.5	977.2	992.9	1003.8	1007.5	1006.8	999.4	985.3	965.1



66.5°	413.0	419.3	427.9	436.7	444.3	449.4	448.3	447.4	441.9	434.1	422.6
67°	403.2	408.9	417.0	425.1	432.0	436.1	435.8	434.6	429.4	421.7	410.8



89°	57.6	51.7	44.4	33.9	22.8	12.1	4.9	0.8	4.0	11.3	18.5
89.5°	53.8	48.1	40.2	30.2	19.5	9.8	3.8	0.7	3.0	8.5	16.7



111.5°	5.0	4.0	2.9	2.2	2.2	2.7	3.3	3.0	3.4	2.6	2.9
112°	4.8	3.8	2.8	2.1	2.2	2.8	3.3	3.0	3.5	2.6	2.9



134°	3.2	3.6	4.2	5.1	5.2	4.1	3.6	3.3	4.2	4.4	4.0
134.5°	3.2	3.7	4.3	5.2	5.1	4.1	3.6	3.4	4.2	4.4	4.0



156.5°	3.8	3.6	3.5	3.6	3.5	3.3	3.2	2.8	2.9	3.3	3.7
157°	3.7	3.5	3.4	3.6	3.5	3.3	3.0	2.8	2.9	3.3	3.7



179°	2.8	2.6	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.9
179.5°	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.6







21.5°	1414.8	1404.8	1396.7	1389.8	1386.5	1385.7	1387.7	1393.7	1402.4	1413.5	1424.7
22°	1407.3	1396.5	1387.8	1381.8	1378.2	1376.5	1379.3	1384.7	1393.9	1405.2	1417.0



44°	955.1	930.6	908.8	891.4	880.8	878.0	883.5	897.3	918.3	943.7	972.0
44.5°	943.3	917.9	896.3	879.1	868.0	865.2	871.0	885.1	906.1	931.7	959.3



66.5°	410.0	396.9	385.6	377.2	372.3	371.8	375.6	383.8	395.8	411.4	428.6
67°	398.4	386.0	375.4	367.5	362.9	362.4	365.6	374.0	385.5	400.4	417.2



89°	27.0	34.6	40.7	45.1	47.9	49.1	48.9	47.1	43.8	38.7	31.9
89.5°	24.1	31.5	37.4	41.8	44.6	45.7	45.5	43.7	40.2	35.1	28.4



111.5°	4.7	6.7	8.2	9.2	9.9	10.2	9.9	9.0	7.6	6.0	4.1
112°	4.5	6.5	8.1	9.0	9.6	9.9	9.7	8.8	7.4	5.9	4.0



134°	3.8	3.3	2.9	2.7	2.5	2.5	2.5	2.6	2.7	2.9	3.2
134.5°	3.9	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.7	2.9	3.3



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



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







21.5°	1435.4	1445.3	1453.0	1458.8
22°	1427.8	1439.1	1447.2	1451.9



44°	997.8	1020.8	1037.1	1048.0
44.5°	986.6	1008.7	1025.8	1036.4



66.5°	446.1	462.0	473.9	481.3
67°	434.1	449.6	461.5	468.4



89°	23.9	17.2	10.0	5.9
89.5°	20.5	14.1	6.0	4.4



111.5°	2.4	1.7	2.0	1.7
112°	2.3	1.8	2.0	1.7



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



156.5°	3.3	2.6	1.9	1.7
157°	3.3	2.6	1.9	1.6





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



(END OF REPORT)