

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: P563563

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

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563563
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-LOW-5000K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING
Light Source: -
Ballast/Driver:

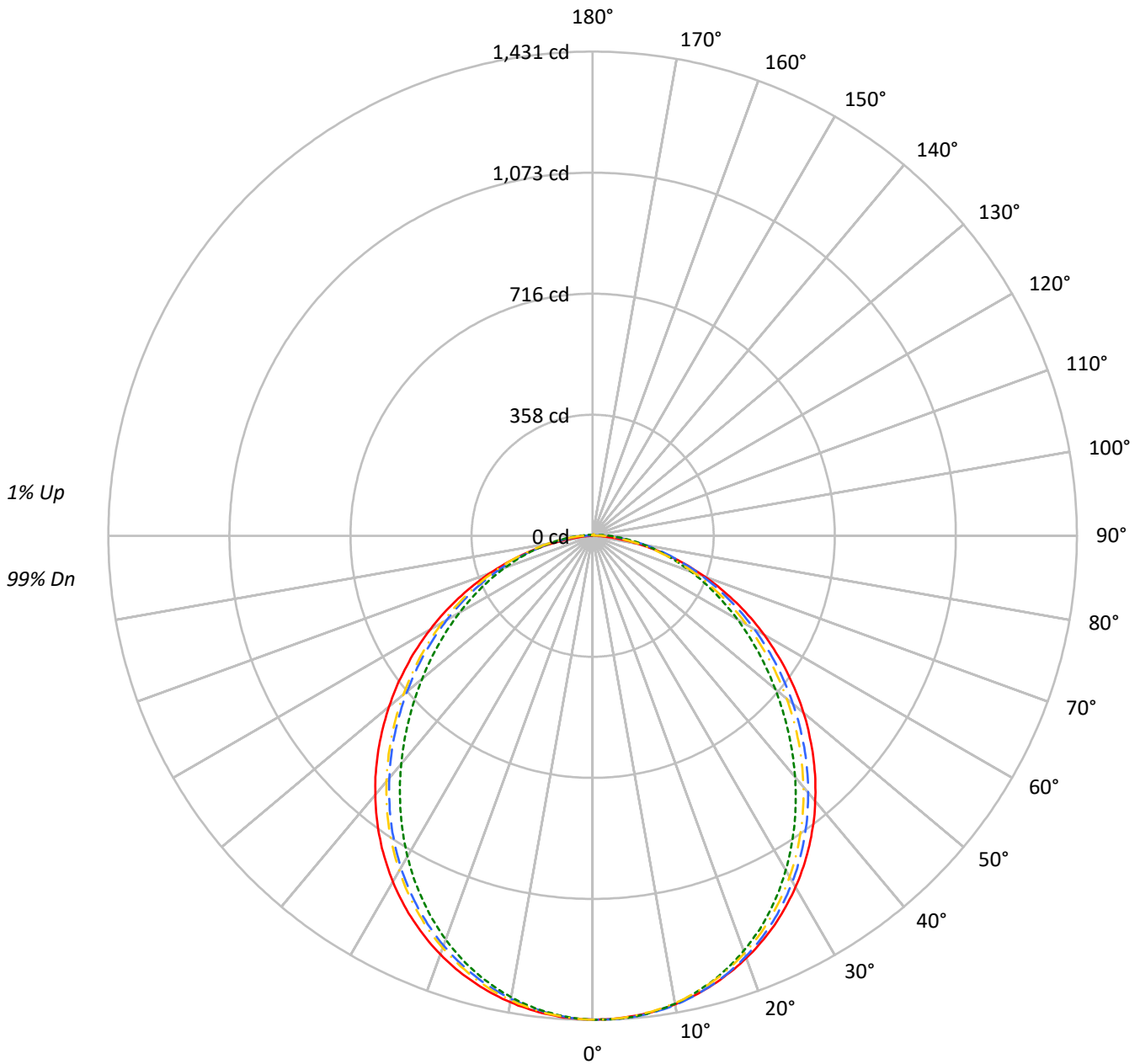
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3729.0 lumens
Efficiency: N/A
Efficacy: 130.8 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): 28.5
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

TEST NUMBER: P563563
CATALOG NUMBER: 4NWS3C3MS-UNV-LOW-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P563563

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

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°	8693	8693	8693	8693
5°	8673	8563	8658	8499
10°	8646	8391	8608	8276
15°	8597	8171	8539	8003
20°	8526	7903	8451	7689
25°	8438	7592	8332	7326
30°	8317	7228	8186	6929
35°	8166	6822	8008	6492
40°	7979	6380	7793	6031
45°	7763	5915	7540	5555
50°	7507	5443	7243	5083
55°	7206	4990	6900	4620
60°	6864	4540	6504	4166
65°	6450	4081	6026	3705
70°	5925	3621	5416	3229
75°	5229	3143	4591	2718
80°	4225	2628	3439	2182
85°	2700	2099	1736	1669



TEST NUMBER: P563563

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.0	3.6
10°-20°	383.1	10.3
20°-30°	569.0	15.3
30°-40°	663.3	17.8
40°-50°	656.6	17.6
50°-60°	563.9	15.1
60°-70°	412.7	11.1
70°-80°	234.3	6.3
80°-90°	78.0	2.1
90°-100°	14.1	0.4
100°-110°	6.0	0.2
110°-120°	3.6	0.1
120°-130°	2.5	0.1
130°-140°	2.3	0.1
140°-150°	2.1	0.1
150°-160°	1.4	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	1087.1	29.2
0°-40°	1750.4	46.9
0°-60°	2970.9	79.7
0°-90°	3695.9	99.1
90°-120°	23.7	0.6
90°-150°	30.5	0.8
90°-180°	33.0	0.9
0°-180°	3729.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1430	1430	1430	1430	1430	
5°	1424	1426	1422	1416	1424	135
15°	1374	1364	1364	1336	1374	388
25°	1270	1231	1254	1188	1270	585
35°	1116	1040	1095	990	1116	698
45°	922	817	895	767	922	711
55°	700	597	670	553	700	626
65°	468	398	438	361	468	463
75°	240	228	211	197	240	254
85°	48	95	31	75	48	57
90°	3	50	1	38	3	2
95°	0	24	0	20	0	0
105°	2	9	2	12	2	1
115°	2	4	3	8	2	2
125°	2	2	3	4	2	2
135°	2	3	3	2	2	2
145°	2	4	3	3	2	1
155°	2	4	3	3	2	1
165°	2	3	2	4	2	0
175°	3	3	3	3	3	0
180°	2	2	2	2	2	



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2
0.5°	1429.9	1429.9	1430.1	1430.2	1430.3	1430.4	1430.5	1430.6	1430.6	1430.6	1430.6
1°	1429.7	1429.9	1430.2	1430.4	1430.6	1430.7	1430.8	1430.7	1430.2	1429.8	1430.1
1.5°	1429.8	1430.3	1430.4	1429.9	1429.7	1429.9	1430.4	1430.8	1430.3	1430.9	1431.1
2°	1429.5	1429.9	1429.9	1429.9	1430.2	1430.7	1431.0	1431.0	1430.2	1430.3	1430.5
2.5°	1429.0	1429.3	1429.4	1429.5	1429.6	1429.1	1429.3	1429.1	1430.6	1429.7	1429.1
3°	1428.0	1428.3	1428.9	1429.2	1429.5	1429.6	1429.9	1430.2	1429.7	1429.5	1429.6
3.5°	1427.0	1427.7	1428.3	1429.4	1428.9	1429.3	1429.3	1428.9	1429.3	1428.4	1428.0
4°	1426.4	1427.7	1427.3	1428.6	1428.3	1428.5	1428.4	1428.2	1427.4	1429.0	1427.7
4.5°	1424.9	1426.0	1426.4	1427.3	1428.0	1427.9	1427.3	1428.0	1427.4	1427.5	1426.2
5°	1424.0	1425.1	1425.5	1426.0	1426.9	1426.8	1425.5	1426.0	1426.4	1426.4	1425.2
5.5°	1423.0	1424.1	1424.7	1424.9	1425.4	1424.9	1424.5	1424.5	1425.1	1424.8	1423.4
6°	1421.9	1422.8	1423.1	1423.8	1424.5	1423.8	1423.5	1423.1	1423.3	1422.8	1421.4
6.5°	1420.4	1421.6	1421.8	1422.2	1423.0	1422.4	1422.6	1421.6	1421.6	1421.5	1419.9
7°	1419.0	1419.6	1420.8	1420.5	1420.5	1419.7	1420.9	1419.6	1419.4	1419.3	1418.2
7.5°	1417.0	1417.7	1418.7	1419.5	1419.4	1418.7	1418.3	1417.8	1417.2	1416.1	1416.2
8°	1415.5	1415.5	1417.1	1417.3	1417.2	1416.7	1416.2	1415.8	1415.3	1414.5	1414.1
8.5°	1412.8	1413.1	1415.3	1414.9	1415.2	1414.9	1414.0	1413.4	1412.5	1412.0	1410.9
9°	1411.3	1412.6	1412.7	1413.3	1413.3	1412.7	1411.2	1411.0	1409.9	1410.3	1408.3
9.5°	1408.7	1410.0	1411.0	1410.7	1411.0	1409.7	1408.1	1408.1	1407.4	1406.0	1405.5
10°	1405.9	1407.5	1408.3	1408.4	1408.2	1407.2	1405.6	1404.6	1404.2	1404.5	1403.1
10.5°	1403.3	1404.6	1405.9	1406.0	1405.4	1404.4	1402.5	1401.5	1400.9	1400.7	1399.6
11°	1400.4	1401.3	1402.9	1403.0	1402.5	1401.8	1399.0	1398.6	1398.3	1397.4	1396.3
11.5°	1397.3	1399.2	1399.9	1400.3	1399.1	1398.6	1395.9	1395.6	1394.6	1393.9	1392.7
12°	1394.4	1396.1	1397.4	1397.5	1396.1	1395.0	1393.0	1391.9	1389.9	1390.3	1388.3
12.5°	1391.7	1393.0	1394.2	1394.3	1392.5	1391.7	1389.6	1388.1	1386.5	1386.1	1384.9
13°	1388.4	1390.2	1391.2	1390.7	1388.6	1388.3	1385.6	1384.4	1382.8	1381.4	1380.8
13.5°	1384.7	1386.9	1387.8	1387.5	1385.3	1384.5	1381.0	1379.9	1378.5	1376.9	1375.7
14°	1381.2	1383.3	1384.1	1384.3	1381.5	1379.9	1377.4	1375.6	1374.1	1372.3	1371.7
14.5°	1377.7	1379.7	1380.5	1380.5	1377.3	1376.2	1373.7	1371.1	1368.8	1368.3	1366.5
15°	1373.7	1376.1	1376.6	1376.2	1373.8	1372.1	1368.9	1366.6	1364.4	1363.7	1362.5
15.5°	1370.1	1372.3	1372.3	1371.7	1369.9	1367.9	1363.7	1362.2	1359.5	1358.8	1357.1
16°	1365.7	1368.4	1368.7	1367.8	1365.2	1363.0	1359.3	1357.1	1354.9	1353.2	1351.6
16.5°	1360.8	1364.1	1364.8	1363.8	1360.7	1358.2	1354.2	1351.6	1349.5	1347.3	1346.8
17°	1356.2	1360.0	1360.0	1359.4	1356.6	1353.4	1349.4	1346.2	1343.7	1342.6	1341.8
17.5°	1352.5	1355.2	1355.6	1354.6	1351.8	1348.2	1343.3	1340.8	1337.7	1337.1	1335.5
18°	1348.3	1350.4	1351.1	1349.8	1346.5	1343.1	1338.4	1335.2	1332.2	1330.5	1329.9
18.5°	1343.0	1346.4	1346.8	1345.2	1341.7	1338.0	1332.8	1329.2	1326.7	1324.6	1323.8
19°	1338.0	1341.8	1342.1	1340.0	1336.6	1332.3	1327.5	1323.3	1320.2	1318.3	1318.0
19.5°	1333.0	1336.3	1336.6	1334.8	1331.0	1326.3	1321.2	1317.4	1313.6	1312.7	1310.5
20°	1328.0	1331.1	1331.1	1329.4	1325.5	1320.5	1314.8	1310.8	1307.5	1305.1	1304.5
20.5°	1322.9	1326.1	1326.0	1324.0	1320.0	1315.0	1308.6	1304.1	1301.1	1298.7	1297.5
21°	1317.9	1321.0	1320.7	1318.4	1313.7	1308.7	1302.7	1297.6	1294.5	1291.5	1290.9



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1300.4	1303.6	1303.9	1300.7	1295.9	1289.7	1282.7	1277.1	1272.9	1270.5	1269.0
23°	1295.2	1298.0	1297.6	1294.6	1289.6	1283.3	1275.9	1269.9	1265.4	1263.8	1262.0
23.5°	1288.6	1292.1	1291.7	1288.4	1283.2	1276.2	1269.0	1262.3	1257.7	1255.4	1254.2
24°	1282.5	1286.0	1285.8	1281.9	1276.4	1269.4	1261.2	1254.7	1250.0	1247.6	1246.6
24.5°	1276.6	1279.7	1279.2	1275.6	1269.3	1262.2	1254.7	1247.5	1242.1	1239.5	1238.2
25°	1270.3	1273.6	1272.6	1269.0	1262.8	1254.9	1247.1	1239.7	1234.1	1230.9	1230.3
25.5°	1263.5	1266.8	1266.1	1262.1	1256.4	1247.6	1239.1	1231.6	1226.2	1223.1	1221.8
26°	1256.8	1259.6	1259.4	1254.7	1249.1	1239.9	1231.1	1223.1	1217.3	1213.8	1213.7
26.5°	1249.9	1253.2	1251.7	1248.2	1241.1	1232.2	1222.8	1215.0	1209.0	1205.9	1204.6
27°	1243.0	1246.8	1244.9	1240.6	1233.5	1224.6	1214.9	1206.7	1200.5	1196.6	1196.5
27.5°	1236.1	1239.7	1238.4	1233.0	1226.0	1216.3	1207.5	1198.0	1191.0	1188.4	1187.5
28°	1228.6	1232.5	1231.3	1226.0	1218.4	1208.4	1198.0	1189.7	1182.6	1179.1	1178.0
28.5°	1221.4	1225.2	1223.9	1218.7	1211.0	1200.6	1189.7	1180.9	1173.0	1169.1	1168.7
29°	1214.7	1218.0	1216.5	1210.9	1202.5	1192.0	1181.4	1171.8	1164.9	1160.8	1159.7
29.5°	1207.2	1210.7	1208.7	1203.5	1194.5	1183.7	1173.0	1162.7	1154.5	1151.2	1151.1
30°	1199.2	1202.4	1201.0	1194.9	1186.3	1175.0	1163.6	1153.5	1145.5	1141.3	1141.7
30.5°	1191.7	1194.7	1193.2	1187.5	1178.0	1166.0	1154.6	1144.2	1135.1	1131.9	1131.3
31°	1184.1	1187.4	1185.1	1179.5	1170.0	1157.6	1145.1	1134.6	1126.5	1122.4	1121.3
31.5°	1176.1	1179.6	1177.2	1170.8	1161.5	1149.0	1135.9	1124.8	1116.6	1112.2	1111.2
32°	1167.4	1170.8	1168.8	1162.0	1152.4	1139.5	1126.7	1115.4	1106.6	1101.9	1101.6
32.5°	1159.1	1162.5	1160.5	1153.3	1143.4	1130.3	1117.4	1105.8	1097.4	1091.8	1091.6
33°	1151.2	1154.6	1152.0	1145.4	1134.6	1121.4	1108.1	1095.7	1087.0	1081.9	1081.7
33.5°	1142.6	1145.9	1143.6	1136.8	1125.9	1112.2	1098.4	1086.1	1076.5	1071.4	1071.1
34°	1133.8	1137.7	1134.9	1127.6	1116.9	1102.3	1088.1	1075.7	1066.2	1060.8	1060.8
34.5°	1124.8	1128.9	1126.2	1118.8	1107.8	1092.8	1078.2	1064.9	1055.5	1050.7	1050.1
35°	1116.5	1120.2	1117.7	1109.9	1098.2	1083.3	1068.5	1054.8	1044.7	1040.0	1039.8
35.5°	1107.9	1111.2	1109.1	1101.0	1088.6	1073.3	1058.2	1044.5	1034.2	1029.5	1029.2
36°	1098.9	1102.8	1099.3	1091.8	1079.4	1063.5	1048.2	1034.2	1023.4	1018.8	1018.4
36.5°	1089.6	1093.1	1090.4	1082.0	1070.1	1053.9	1038.0	1023.4	1012.8	1007.4	1008.0
37°	1080.6	1083.8	1081.1	1072.8	1060.2	1044.1	1027.8	1013.2	1001.5	996.7	997.0
37.5°	1071.8	1074.4	1071.7	1063.5	1050.4	1033.9	1017.2	1002.4	991.1	985.8	985.9
38°	1063.0	1065.2	1062.7	1053.5	1040.5	1023.6	1006.6	991.6	980.4	974.6	974.4
38.5°	1053.1	1055.8	1052.4	1043.9	1030.4	1013.3	996.0	980.6	969.5	964.2	963.8
39°	1042.9	1046.3	1043.0	1034.0	1020.4	1003.2	985.6	969.8	958.8	952.7	952.2
39.5°	1032.9	1037.0	1033.3	1024.3	1010.0	992.3	975.0	958.9	947.1	941.9	941.8
40°	1023.1	1027.0	1023.8	1013.9	999.9	981.6	963.8	948.1	936.0	930.5	930.6
40.5°	1013.9	1017.0	1014.0	1004.2	989.6	971.3	953.0	936.8	924.6	919.2	918.8
41°	1004.1	1007.0	1003.9	993.9	979.2	960.5	942.2	925.9	913.5	908.1	907.4
41.5°	993.8	996.9	993.4	984.0	968.8	950.0	931.0	914.5	901.7	896.4	896.3
42°	984.1	987.4	983.6	973.2	958.6	939.5	920.7	903.5	891.0	885.7	884.9
42.5°	974.2	977.2	973.3	963.5	947.4	928.5	909.6	892.5	879.8	874.0	873.6
43°	963.9	966.8	963.1	952.3	936.9	917.5	898.4	881.1	868.4	863.0	862.4
43.5°	953.1	956.7	952.6	942.4	926.7	906.8	887.1	869.9	857.0	851.2	851.2



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	921.8	925.0	921.0	910.1	894.4	873.8	853.8	836.1	823.0	817.1	816.9
45.5°	911.6	914.5	910.3	899.2	883.0	862.7	842.7	824.8	812.0	805.5	805.6
46°	900.6	903.9	899.8	888.6	872.1	851.5	831.2	813.5	801.0	793.8	794.5
46.5°	889.4	892.8	888.8	877.7	861.1	840.3	819.7	802.3	789.0	783.2	783.3
47°	878.6	882.3	878.6	866.8	850.3	829.2	808.6	790.8	777.6	771.9	771.6
47.5°	868.1	871.3	867.5	856.4	839.6	818.2	797.8	779.1	766.4	760.6	760.2
48°	857.5	860.6	856.4	845.6	828.7	806.9	786.5	768.2	755.5	748.9	749.5
48.5°	846.3	849.2	845.1	834.3	817.4	795.9	775.6	757.1	743.8	738.1	738.3
49°	835.8	839.1	834.1	822.7	806.2	784.8	764.1	746.0	732.9	726.6	726.6
49.5°	824.6	827.6	823.9	812.1	794.8	773.5	753.1	734.7	721.5	715.5	715.8
50°	813.5	816.9	812.4	801.2	783.5	762.2	742.1	723.5	711.0	704.2	704.5
50.5°	802.1	805.6	801.3	790.3	772.7	751.2	730.8	712.3	699.3	693.3	693.1
51°	791.1	794.5	789.9	778.4	761.7	740.0	719.7	701.6	689.0	682.2	681.8
51.5°	779.8	783.3	778.7	767.6	750.5	728.9	708.2	690.4	677.4	672.0	671.4
52°	768.8	772.2	767.9	756.3	739.1	718.0	697.5	679.7	666.8	660.3	660.5
52.5°	757.2	760.6	756.0	745.0	727.8	706.4	686.4	668.7	656.2	649.9	649.8
53°	746.0	749.5	745.1	733.6	716.5	695.3	675.2	657.8	645.5	638.7	638.5
53.5°	734.7	737.8	733.6	722.5	705.2	684.3	664.4	647.0	633.8	628.5	627.8
54°	723.4	726.4	722.4	711.5	694.2	673.1	653.5	636.0	623.6	617.3	617.5
54.5°	711.8	715.3	710.8	700.0	683.4	661.9	642.1	625.1	612.6	606.7	606.7
55°	700.1	703.9	699.8	688.7	671.7	650.7	631.2	614.3	602.3	597.0	595.8
55.5°	689.0	692.3	688.1	677.6	661.0	640.0	620.4	603.3	591.4	586.0	585.1
56°	677.3	680.7	677.0	666.2	649.8	629.4	610.0	592.7	581.1	575.3	574.9
56.5°	665.9	669.5	665.5	654.9	638.7	618.2	598.9	582.4	570.8	565.0	564.6
57°	654.9	657.8	653.9	643.5	627.1	607.2	588.1	571.8	560.0	554.8	554.2
57.5°	642.9	646.8	642.1	632.4	616.5	596.6	577.5	561.2	550.0	544.4	543.8
58°	631.2	634.8	631.4	620.6	604.6	585.7	567.1	551.1	539.7	533.8	534.0
58.5°	620.0	623.3	619.5	609.7	593.9	574.5	556.2	540.4	529.6	524.0	523.6
59°	608.2	612.2	608.1	598.4	582.9	563.8	545.6	530.0	519.7	514.4	513.5
59.5°	596.7	600.1	596.6	587.2	571.9	553.0	535.3	520.2	509.7	504.7	503.0
60°	584.9	588.6	585.4	575.7	560.6	542.3	524.7	510.2	499.8	494.7	493.1
60.5°	573.4	576.7	573.8	564.6	550.2	531.7	514.9	500.4	489.7	484.5	483.2
61°	561.8	565.0	562.3	553.4	539.3	521.3	501.8	490.2	479.6	474.4	473.3
61.5°	550.3	554.0	550.5	541.5	527.9	510.5	491.3	479.8	469.6	464.3	463.4
62°	538.6	542.5	539.7	530.7	516.6	499.5	481.7	469.7	459.5	454.2	453.5
62.5°	527.0	530.5	528.2	519.8	506.1	489.1	472.1	459.6	449.4	444.3	443.6
63°	515.4	519.1	516.6	508.6	495.1	478.6	462.5	449.5	439.9	435.0	434.2
63.5°	503.9	507.2	505.1	496.9	484.2	468.1	453.0	439.7	430.5	425.6	424.9
64°	492.1	495.5	493.2	486.9	473.2	457.6	442.7	430.3	421.1	416.3	415.4
64.5°	480.2	483.8	481.8	483.2	462.6	447.2	433.0	420.6	411.6	406.8	405.8
65°	468.4	472.0	470.3	469.8	452.5	436.7	423.2	411.0	402.2	397.8	396.6
65.5°	456.5	460.3	458.9	456.5	441.6	426.4	413.2	401.5	393.0	388.3	387.3
66°	444.6	448.5	447.4	443.1	430.7	416.4	403.4	392.1	384.0	379.2	378.4



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	410.0	413.7	413.3	408.1	398.8	386.5	374.7	364.7	356.8	352.3	351.2
68°	398.7	402.3	401.9	397.3	388.3	376.5	365.1	355.4	348.1	343.7	342.5
68.5°	387.0	390.8	390.9	386.0	377.8	366.5	355.8	346.2	339.3	335.1	333.2
69°	375.4	379.4	379.7	375.8	367.6	356.6	346.5	337.3	330.1	326.3	324.8
69.5°	364.0	368.3	368.4	365.0	357.6	346.9	337.2	328.3	321.4	317.4	316.1
70°	352.4	356.8	357.4	354.3	347.3	337.3	328.0	319.3	312.8	308.7	307.4
70.5°	340.9	345.3	346.3	343.4	337.4	327.9	318.9	310.7	304.5	300.5	298.8
71°	329.6	333.7	335.3	333.0	327.0	318.3	309.8	302.0	296.1	292.2	290.6
71.5°	318.2	322.7	324.0	322.2	317.1	308.8	300.9	293.5	287.4	283.7	282.3
72°	307.1	311.4	313.2	311.6	307.1	299.3	291.7	284.8	279.0	275.3	273.8
72.5°	295.8	300.0	302.4	301.2	296.9	289.8	283.0	276.1	270.7	267.5	265.6
73°	284.3	288.9	291.8	291.1	287.4	280.5	274.0	267.7	262.6	259.1	257.2
73.5°	272.8	277.9	280.7	280.7	277.5	271.8	265.3	259.3	254.3	251.1	249.2
74°	261.9	266.5	270.0	270.6	267.8	262.5	256.8	251.0	246.5	243.0	241.2
74.5°	250.9	255.8	259.4	260.2	258.2	253.2	248.3	242.9	238.5	235.3	233.7
75°	239.9	244.9	248.8	250.1	248.7	244.3	239.7	234.9	230.6	227.5	225.6
75.5°	228.7	234.2	238.1	240.0	239.3	235.4	231.3	226.7	222.6	219.8	217.9
76°	217.8	223.1	227.8	230.3	229.6	226.5	223.1	218.8	215.1	212.2	210.1
76.5°	207.1	212.7	217.4	220.3	220.5	217.9	214.6	210.9	207.4	204.7	202.6
77°	196.5	201.8	207.2	210.5	211.4	209.4	206.6	203.0	199.8	197.1	195.0
77.5°	185.7	191.5	197.1	200.8	202.3	200.9	198.5	195.4	192.2	189.9	187.6
78°	175.4	181.1	186.9	191.5	193.3	192.6	190.7	187.8	185.2	182.7	180.5
78.5°	164.9	171.0	177.0	182.0	184.4	184.2	182.7	180.4	178.0	175.5	173.4
79°	154.6	160.8	167.4	172.8	175.6	175.9	175.1	173.0	170.8	168.4	166.2
79.5°	144.4	150.5	157.6	163.5	167.1	167.9	167.6	165.8	163.8	161.7	159.4
80°	134.9	140.8	147.9	154.6	158.6	160.0	160.0	158.6	156.9	154.9	152.6
80.5°	125.0	131.2	138.8	145.7	150.2	152.2	152.6	151.7	150.2	148.1	145.9
81°	115.4	121.8	129.6	136.9	142.1	144.6	145.6	144.8	143.6	141.6	139.4
81.5°	106.1	112.4	120.7	128.3	134.1	137.0	138.5	138.3	137.2	135.4	133.0
82°	96.9	103.3	111.8	120.0	126.1	129.7	131.6	131.7	130.9	129.0	126.8
82.5°	87.5	94.4	103.4	111.8	118.4	122.7	124.8	125.3	124.5	122.8	120.5
83°	79.2	85.9	94.8	103.9	110.9	115.7	118.3	118.9	118.4	117.0	114.7
83.5°	70.9	77.6	86.7	96.2	103.8	108.7	111.9	112.9	112.7	111.1	108.9
84°	63.0	69.6	78.9	88.6	96.7	102.2	105.6	107.0	106.8	105.5	103.2
84.5°	55.1	61.8	71.5	81.3	89.8	95.8	99.4	101.2	101.2	100.0	97.7
85°	47.9	54.4	64.1	74.4	83.3	89.6	93.5	95.5	95.8	94.6	92.3
85.5°	41.7	47.7	57.3	67.8	76.9	83.6	87.8	90.0	90.4	89.3	87.2
86°	35.4	41.7	50.6	61.5	70.9	77.9	82.4	84.7	85.2	84.3	82.0
86.5°	29.2	35.6	45.2	55.4	65.1	72.3	77.0	79.7	80.4	79.5	77.3
87°	23.0	29.6	39.9	49.2	59.5	66.9	72.0	74.8	75.6	74.9	72.6
87.5°	17.6	23.5	34.6	44.6	54.2	61.9	67.1	70.0	70.9	70.3	68.1
88°	12.8	18.5	29.3	40.0	49.0	57.0	62.4	65.4	66.6	65.9	63.7
88.5°	8.6	14.2	24.0	35.3	45.0	52.3	57.8	61.1	62.2	61.6	59.6



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	2.7	5.0	13.2	23.2	32.8	40.8	46.6	49.3	50.7	50.1	48.6
90.5°	1.5	4.1	10.7	20.0	29.3	37.1	43.1	46.2	47.6	47.1	45.5
91°	0.3	3.2	8.6	17.2	26.1	33.6	39.7	43.1	44.5	44.1	42.4
91.5°	0.2	2.3	7.0	14.8	23.2	30.5	36.2	39.9	41.4	41.1	39.3
92°	0.2	1.4	5.7	12.7	20.6	27.7	33.1	36.7	38.4	38.2	36.3
92.5°	0.1	1.1	5.0	11.0	18.3	25.1	30.3	33.8	35.3	35.2	33.6
93°	0.1	0.9	4.4	9.5	16.3	22.7	27.8	31.2	32.8	32.7	31.1
93.5°	0.2	0.7	3.8	8.3	14.5	20.6	25.5	28.8	30.3	30.2	28.8
94°	0.2	0.6	3.2	7.4	13.0	18.7	23.4	26.5	28.1	28.1	26.7
94.5°	0.3	0.5	2.9	6.6	11.6	16.9	21.4	24.5	26.0	26.1	24.7
95°	0.3	0.5	2.7	6.0	10.5	15.4	19.6	22.6	24.1	24.2	22.9
95.5°	0.4	0.5	2.4	5.6	9.6	14.1	18.0	20.9	22.4	22.4	21.3
96°	0.4	0.5	2.1	5.3	8.9	12.9	16.7	19.3	20.7	20.8	19.7
96.5°	0.5	0.6	1.9	4.9	8.3	12.0	15.4	17.9	19.3	19.4	18.4
97°	0.5	0.6	1.7	4.6	7.8	11.1	14.3	16.7	18.0	18.2	17.2
97.5°	0.6	0.6	1.6	4.2	7.4	10.4	13.3	15.6	16.8	17.0	16.2
98°	0.6	0.6	1.5	3.9	7.0	9.9	12.5	14.6	15.8	16.0	15.2
98.5°	0.7	0.7	1.3	3.7	6.6	9.4	11.9	13.8	14.9	15.1	14.4
99°	0.7	0.7	1.2	3.4	6.2	9.0	11.3	13.1	14.1	14.3	13.7
99.5°	0.8	0.8	1.1	3.2	5.9	8.6	10.8	12.5	13.4	13.6	13.1
100°	0.9	0.8	1.1	3.0	5.6	8.2	10.3	12.0	12.9	13.1	12.5
100.5°	1.0	0.9	1.1	2.8	5.3	7.8	9.9	11.5	12.4	12.6	12.1
101°	1.1	1.0	1.0	2.6	5.0	7.4	9.5	11.1	11.9	12.1	11.7
101.5°	1.2	1.0	1.0	2.4	4.7	7.1	9.1	10.6	11.5	11.7	11.3
102°	1.3	1.1	1.1	2.2	4.4	6.7	8.7	10.2	11.1	11.3	10.9
102.5°	1.3	1.1	1.1	2.1	4.2	6.4	8.3	9.8	10.7	10.9	10.5
103°	1.4	1.2	1.0	1.9	3.9	6.1	8.0	9.4	10.3	10.5	10.1
103.5°	1.4	1.2	1.0	1.8	3.7	5.8	7.6	9.0	9.9	10.1	9.7
104°	1.5	1.2	1.0	1.7	3.4	5.5	7.3	8.7	9.5	9.7	9.3
104.5°	1.5	1.3	1.0	1.6	3.2	5.2	7.0	8.3	9.1	9.4	9.0
105°	1.5	1.5	1.0	1.5	3.0	4.9	6.6	8.0	8.8	9.0	8.6
105.5°	1.5	1.6	1.0	1.4	2.8	4.7	6.3	7.6	8.5	8.7	8.3
106°	1.5	1.6	1.0	1.4	2.6	4.4	6.0	7.3	8.2	8.4	8.0
106.5°	1.5	1.5	1.0	1.3	2.5	4.2	5.8	7.0	7.8	8.1	7.7
107°	1.5	1.4	1.0	1.3	2.3	3.9	5.5	6.7	7.5	7.8	7.4
107.5°	1.5	1.4	1.1	1.3	2.2	3.7	5.2	6.4	7.2	7.5	7.1
108°	1.5	1.5	1.1	1.2	2.1	3.5	5.0	6.1	6.9	7.2	6.9
108.5°	1.5	1.5	1.1	1.2	2.0	3.3	4.7	5.9	6.7	6.9	6.6
109°	1.5	1.5	1.1	1.2	1.9	3.1	4.5	5.6	6.4	6.6	6.3
109.5°	1.5	1.6	1.1	1.1	1.8	3.0	4.2	5.4	6.1	6.4	6.1
110°	1.5	1.6	1.2	1.1	1.7	2.8	4.0	5.1	5.9	6.1	5.9
110.5°	1.5	1.6	1.2	1.1	1.6	2.7	3.8	4.9	5.6	5.9	5.6
111°	1.5	1.6	1.2	1.1	1.6	2.5	3.6	4.7	5.4	5.6	5.4



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.6	1.5	1.4	1.2	1.5	2.1	3.1	4.0	4.7	4.9	4.7
113°	1.6	1.5	1.4	1.2	1.5	2.0	2.9	3.8	4.5	4.7	4.5
113.5°	1.6	1.5	1.4	1.3	1.4	2.0	2.8	3.7	4.3	4.5	4.3
114°	1.6	1.6	1.5	1.3	1.4	1.9	2.6	3.5	4.1	4.3	4.1
114.5°	1.7	1.6	1.5	1.3	1.3	1.9	2.5	3.3	3.9	4.1	4.0
115°	1.7	1.6	1.5	1.3	1.3	1.8	2.4	3.1	3.7	3.9	3.8
115.5°	1.7	1.6	1.6	1.4	1.3	1.8	2.3	3.0	3.5	3.7	3.6
116°	1.7	1.7	1.7	1.4	1.3	1.7	2.2	2.9	3.4	3.6	3.5
116.5°	1.7	1.7	1.7	1.4	1.3	1.7	2.2	2.7	3.2	3.4	3.4
117°	1.7	1.7	1.8	1.4	1.4	1.7	2.1	2.6	3.1	3.3	3.2
117.5°	1.7	1.8	1.9	1.4	1.4	1.6	2.0	2.5	3.0	3.2	3.1
118°	1.7	1.8	2.0	1.5	1.4	1.6	2.0	2.4	2.8	3.0	3.0
118.5°	1.7	1.8	2.1	1.5	1.4	1.5	1.9	2.4	2.7	2.9	2.9
119°	1.7	1.9	2.0	1.5	1.4	1.5	1.9	2.3	2.7	2.9	2.8
119.5°	1.8	1.9	2.0	1.6	1.5	1.5	1.9	2.2	2.6	2.8	2.8
120°	1.8	1.9	1.9	1.6	1.5	1.5	1.8	2.2	2.5	2.7	2.7
120.5°	1.8	1.9	1.9	1.6	1.5	1.5	1.8	2.1	2.4	2.6	2.6
121°	1.8	1.9	1.9	1.7	1.5	1.5	1.7	2.1	2.4	2.6	2.6
121.5°	1.8	1.9	2.0	1.7	1.6	1.5	1.6	2.0	2.3	2.5	2.5
122°	1.8	2.0	2.0	1.7	1.6	1.6	1.6	2.0	2.2	2.4	2.5
122.5°	1.9	2.0	2.0	1.8	1.6	1.6	1.6	1.9	2.2	2.4	2.4
123°	1.9	2.0	2.1	1.8	1.7	1.6	1.6	1.8	2.2	2.3	2.4
123.5°	1.9	2.0	2.1	1.9	1.7	1.6	1.6	1.8	2.1	2.3	2.3
124°	1.9	2.0	2.1	1.9	1.7	1.7	1.6	1.7	2.1	2.3	2.3
124.5°	1.9	2.1	2.1	1.9	1.8	1.7	1.6	1.7	2.0	2.2	2.2
125°	1.9	2.1	2.1	2.0	1.8	1.7	1.6	1.7	2.0	2.2	2.2
125.5°	2.0	2.1	2.1	2.1	1.8	1.8	1.7	1.7	1.9	2.1	2.2
126°	2.0	2.1	2.1	2.1	1.9	1.8	1.7	1.7	1.9	2.1	2.2
126.5°	2.0	2.1	2.1	2.2	1.9	1.8	1.7	1.8	1.9	2.1	2.2
127°	2.0	2.1	2.1	2.3	1.9	1.8	1.8	1.8	2.0	2.1	2.2
127.5°	2.0	2.1	2.1	2.4	2.0	1.9	1.8	1.9	2.0	2.1	2.2
128°	2.1	2.1	2.1	2.4	2.0	1.9	1.8	1.9	2.0	2.2	2.2
128.5°	2.1	2.1	2.1	2.5	2.0	1.9	1.9	1.9	2.1	2.2	2.3
129°	2.1	2.1	2.1	2.5	2.1	1.9	1.9	2.0	2.1	2.2	2.3
129.5°	2.1	2.1	2.1	2.5	2.1	2.0	2.0	2.0	2.1	2.3	2.3
130°	2.1	2.1	2.1	2.5	2.2	2.0	2.0	2.1	2.2	2.3	2.4
130.5°	2.1	2.1	2.1	2.5	2.2	2.1	2.1	2.1	2.2	2.3	2.4
131°	2.1	2.1	2.1	2.5	2.3	2.1	2.1	2.2	2.3	2.4	2.5
131.5°	2.2	2.1	2.1	2.5	2.3	2.2	2.1	2.2	2.3	2.4	2.5
132°	2.2	2.2	2.1	2.5	2.4	2.2	2.2	2.3	2.3	2.4	2.5
132.5°	2.2	2.2	2.2	2.6	2.4	2.3	2.2	2.3	2.4	2.5	2.6
133°	2.2	2.2	2.2	2.6	2.5	2.3	2.3	2.3	2.4	2.5	2.6
133.5°	2.2	2.2	2.2	2.7	2.6	2.4	2.3	2.4	2.4	2.5	2.6



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.2	2.3	2.3	2.7	2.9	2.5	2.5	2.5	2.6	2.6	2.8
135.5°	2.2	2.3	2.3	2.7	2.9	2.6	2.6	2.6	2.6	2.7	2.8
136°	2.2	2.3	2.3	2.7	2.9	2.6	2.6	2.6	2.7	2.7	2.9
136.5°	2.2	2.3	2.4	2.7	2.9	2.7	2.7	2.7	2.7	2.8	2.9
137°	2.2	2.3	2.4	2.7	2.9	2.8	2.7	2.7	2.7	2.8	2.9
137.5°	2.2	2.3	2.4	2.6	2.9	2.9	2.8	2.8	2.8	2.9	3.0
138°	2.2	2.4	2.4	2.6	2.9	3.0	2.8	2.8	2.8	2.9	3.0
138.5°	2.2	2.4	2.5	2.6	3.0	3.1	2.8	2.8	2.9	2.9	3.1
139°	2.2	2.4	2.5	2.6	3.0	3.2	2.9	2.9	2.9	3.0	3.1
139.5°	2.2	2.5	2.5	2.5	3.0	3.2	2.9	2.9	2.9	3.0	3.2
140°	2.2	2.5	2.5	2.5	3.1	3.3	3.0	3.0	3.0	3.1	3.2
140.5°	2.3	2.5	2.5	2.5	3.1	3.3	3.0	3.0	3.0	3.1	3.3
141°	2.3	2.5	2.5	2.5	3.1	3.3	3.1	3.0	3.1	3.2	3.3
141.5°	2.3	2.6	2.5	2.5	3.1	3.3	3.2	3.1	3.1	3.2	3.4
142°	2.3	2.6	2.6	2.5	3.1	3.4	3.3	3.1	3.1	3.3	3.4
142.5°	2.3	2.6	2.6	2.5	3.1	3.4	3.4	3.2	3.2	3.3	3.5
143°	2.3	2.6	2.6	2.5	3.0	3.4	3.5	3.2	3.2	3.4	3.6
143.5°	2.3	2.6	2.6	2.5	3.0	3.3	3.5	3.3	3.3	3.4	3.6
144°	2.3	2.6	2.6	2.5	3.0	3.3	3.6	3.4	3.4	3.5	3.7
144.5°	2.3	2.6	2.6	2.5	2.9	3.3	3.6	3.5	3.4	3.5	3.7
145°	2.3	2.6	2.6	2.4	2.9	3.3	3.6	3.6	3.5	3.6	3.8
145.5°	2.3	2.6	2.6	2.4	2.9	3.3	3.6	3.7	3.6	3.6	3.9
146°	2.3	2.6	2.7	2.4	2.8	3.3	3.6	3.8	3.7	3.7	4.0
146.5°	2.2	2.6	2.7	2.4	2.8	3.3	3.5	3.8	3.9	3.9	4.1
147°	2.2	2.7	2.7	2.4	2.8	3.3	3.5	3.7	3.9	4.0	4.2
147.5°	2.2	2.7	2.7	2.4	2.7	3.3	3.5	3.7	3.9	4.1	4.2
148°	2.2	2.7	2.7	2.4	2.7	3.3	3.5	3.7	3.9	4.1	4.2
148.5°	2.3	2.6	2.7	2.4	2.7	3.2	3.5	3.7	3.9	4.1	4.2
149°	2.2	2.6	2.7	2.5	2.6	3.2	3.5	3.7	3.9	4.1	4.2
149.5°	2.2	2.6	2.7	2.5	2.6	3.2	3.5	3.7	3.9	4.1	4.2
150°	2.2	2.6	2.7	2.5	2.6	3.1	3.5	3.7	3.9	4.1	4.2
150.5°	2.2	2.6	2.7	2.5	2.6	3.1	3.4	3.7	3.9	4.0	4.1
151°	2.1	2.6	2.7	2.5	2.6	3.0	3.4	3.7	3.8	3.9	4.1
151.5°	2.0	2.5	2.7	2.5	2.6	3.0	3.4	3.7	3.8	3.9	4.1
152°	2.0	2.5	2.7	2.5	2.5	2.9	3.3	3.7	3.8	3.9	4.1
152.5°	2.0	2.5	2.7	2.6	2.5	2.9	3.3	3.6	3.8	3.9	4.1
153°	2.0	2.5	2.7	2.6	2.5	2.8	3.2	3.6	3.8	3.9	4.0
153.5°	1.8	2.4	2.7	2.6	2.5	2.8	3.2	3.5	3.7	3.9	3.9
154°	1.7	2.4	2.7	2.6	2.6	2.8	3.1	3.5	3.7	3.8	3.9
154.5°	1.6	2.3	2.7	2.6	2.6	2.7	3.1	3.4	3.6	3.7	3.8
155°	1.6	2.3	2.7	2.6	2.6	2.7	3.0	3.3	3.5	3.7	3.7
155.5°	1.7	2.3	2.7	2.7	2.6	2.7	2.9	3.3	3.5	3.6	3.6
156°	1.6	2.4	2.7	2.7	2.6	2.7	2.9	3.2	3.4	3.5	3.5



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.5	2.3	2.7	2.7	2.7	2.7	2.8	3.0	3.2	3.3	3.3
158°	1.5	2.3	2.7	2.7	2.7	2.7	2.8	2.9	3.1	3.2	3.2
158.5°	1.5	2.3	2.7	2.7	2.8	2.7	2.8	2.9	3.0	3.1	3.2
159°	1.5	2.3	2.7	2.7	2.8	2.8	2.8	2.9	3.0	3.1	3.1
159.5°	1.5	2.2	2.7	2.7	2.8	2.8	2.8	2.8	2.9	3.0	3.0
160°	1.5	2.2	2.7	2.8	2.8	2.8	2.8	2.8	2.9	3.0	3.0
160.5°	1.5	2.2	2.6	2.8	2.9	2.9	2.8	2.8	2.9	2.9	3.0
161°	1.5	2.2	2.6	2.8	2.9	2.9	2.8	2.8	2.9	2.9	2.9
161.5°	1.5	2.2	2.6	2.8	2.9	2.9	2.8	2.8	2.9	2.9	2.9
162°	1.5	2.2	2.6	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9
162.5°	1.5	2.2	2.6	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9
163°	1.5	2.1	2.6	2.8	2.9	3.0	2.9	2.9	2.9	2.9	2.9
163.5°	1.6	2.1	2.6	2.8	2.9	3.0	2.9	2.9	2.9	2.9	3.0
164°	1.6	2.0	2.6	2.8	2.9	3.0	3.0	2.9	2.9	2.9	3.0
164.5°	1.6	1.9	2.6	2.7	2.9	3.0	3.0	3.0	2.9	2.9	3.0
165°	1.6	1.9	2.6	2.7	2.9	3.0	3.0	3.0	3.0	3.0	3.0
165.5°	1.6	1.9	2.5	2.7	2.9	3.0	3.0	3.0	3.0	3.0	3.0
166°	1.6	1.9	2.6	2.6	2.9	3.0	3.0	3.0	3.0	3.0	3.1
166.5°	1.6	1.9	2.6	2.6	2.9	3.0	3.1	3.1	3.0	3.0	3.1
167°	1.6	1.9	2.5	2.7	2.9	3.0	3.1	3.1	3.1	3.0	3.1
167.5°	1.6	2.0	2.4	2.6	2.9	3.0	3.1	3.1	3.1	3.1	3.1
168°	1.6	2.0	2.4	2.5	2.9	3.0	3.1	3.1	3.1	3.1	3.1
168.5°	1.6	1.9	2.5	2.4	2.9	3.0	3.1	3.1	3.1	3.1	3.2
169°	1.7	1.7	2.4	2.6	2.8	3.0	3.1	3.1	3.2	3.2	3.2
169.5°	1.7	1.9	2.1	2.6	2.6	2.9	3.1	3.2	3.2	3.2	3.2
170°	1.8	2.1	2.2	2.5	2.6	2.9	3.1	3.2	3.2	3.2	3.2
170.5°	2.0	2.0	2.4	2.4	2.8	2.9	3.1	3.1	3.2	3.2	3.2
171°	2.2	2.1	2.4	2.5	2.7	2.9	3.0	3.1	3.2	3.2	3.2
171.5°	2.3	2.3	2.3	2.5	2.4	2.5	3.0	3.1	3.1	3.1	3.1
172°	2.3	2.4	2.3	2.4	2.5	2.5	2.9	3.1	3.1	3.1	3.1
172.5°	2.4	2.4	2.4	2.4	2.6	2.8	2.9	3.0	3.0	3.1	3.1
173°	2.4	2.4	2.4	2.4	2.4	2.7	2.8	2.9	3.0	3.0	3.0
173.5°	2.4	2.4	2.5	2.4	2.5	2.5	2.9	2.9	3.0	3.0	3.0
174°	2.5	2.5	2.6	2.4	2.5	2.6	2.7	2.9	2.9	2.9	2.9
174.5°	2.6	2.6	2.6	2.5	2.4	2.5	2.6	2.8	2.9	2.9	2.9
175°	2.6	2.6	2.7	2.5	2.4	2.4	2.7	2.8	2.9	2.9	2.9
175.5°	2.7	2.7	2.7	2.5	2.4	2.4	2.6	2.8	2.9	2.9	2.8
176°	2.7	2.7	2.7	2.6	2.3	2.3	2.5	2.8	2.9	2.9	2.8
176.5°	2.7	2.7	2.7	2.7	2.5	2.4	2.5	2.7	2.8	2.9	2.8
177°	2.7	2.7	2.7	2.7	2.5	2.4	2.5	2.7	2.8	2.8	2.8
177.5°	2.7	2.7	2.7	2.6	2.4	2.3	2.4	2.6	2.7	2.8	2.7
178°	2.7	2.7	2.7	2.6	2.4	2.3	2.3	2.4	2.6	2.7	2.6
178.5°	2.7	2.7	2.7	2.5	2.3	2.2	2.2	2.4	2.6	2.7	2.6



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2
0.5°	1430.5	1430.5	1430.4	1430.2	1430.1	1429.9	1429.8	1429.7	1429.7	1429.7	1429.7
1°	1430.5	1430.7	1430.9	1431.0	1430.9	1430.6	1430.2	1429.8	1429.5	1429.3	1429.3
1.5°	1430.9	1430.8	1430.4	1429.7	1429.3	1429.3	1429.3	1429.1	1428.8	1428.6	1428.5
2°	1430.9	1429.8	1428.6	1428.6	1428.6	1428.0	1427.9	1427.9	1427.7	1427.5	1427.5
2.5°	1429.8	1429.6	1429.7	1428.8	1428.8	1428.4	1427.6	1427.4	1427.2	1427.0	1426.6
3°	1429.2	1428.9	1428.6	1427.9	1427.9	1427.7	1427.3	1426.8	1425.7	1424.8	1425.0
3.5°	1428.0	1427.7	1427.7	1427.8	1427.1	1426.0	1425.8	1426.0	1424.3	1423.7	1423.5
4°	1427.7	1427.1	1426.5	1426.5	1426.3	1425.6	1424.6	1424.9	1423.9	1422.8	1421.8
4.5°	1425.1	1425.9	1424.6	1425.4	1425.5	1424.5	1423.3	1422.6	1422.2	1421.2	1420.5
5°	1424.5	1424.5	1424.2	1423.5	1423.9	1423.3	1422.3	1421.5	1420.9	1420.0	1418.2
5.5°	1423.7	1423.1	1422.9	1422.0	1422.4	1421.3	1421.1	1420.1	1419.6	1418.5	1416.5
6°	1422.1	1421.4	1420.8	1420.5	1420.3	1419.8	1419.4	1418.4	1417.5	1416.8	1414.3
6.5°	1420.1	1419.5	1419.2	1418.6	1418.2	1418.8	1417.9	1416.6	1415.0	1414.9	1412.3
7°	1418.3	1417.4	1417.8	1416.9	1416.6	1416.8	1416.1	1414.3	1412.8	1412.1	1410.4
7.5°	1415.9	1415.3	1415.5	1415.5	1414.3	1414.4	1413.6	1412.7	1410.4	1410.1	1408.5
8°	1413.7	1413.4	1413.0	1413.1	1412.6	1412.7	1410.8	1409.9	1408.3	1407.7	1405.4
8.5°	1410.8	1410.9	1410.4	1410.2	1410.6	1409.7	1409.6	1407.7	1406.7	1405.0	1402.9
9°	1408.0	1408.3	1407.9	1407.9	1408.3	1407.1	1406.7	1405.7	1403.5	1402.1	1400.2
9.5°	1405.6	1405.7	1405.0	1405.1	1405.2	1405.0	1403.6	1402.5	1400.2	1399.1	1396.8
10°	1402.5	1402.6	1402.0	1402.8	1402.4	1401.2	1401.3	1399.8	1397.6	1396.2	1393.7
10.5°	1399.3	1399.7	1398.4	1399.9	1399.4	1398.6	1398.7	1397.1	1395.1	1392.5	1390.7
11°	1395.4	1396.6	1396.0	1397.1	1396.6	1396.1	1395.7	1394.2	1391.7	1389.0	1386.9
11.5°	1391.8	1393.1	1392.3	1393.3	1393.3	1393.4	1392.2	1390.5	1387.9	1386.1	1383.1
12°	1388.3	1389.1	1388.8	1389.5	1390.3	1389.5	1388.9	1387.2	1385.0	1382.9	1379.5
12.5°	1384.5	1385.5	1385.4	1385.7	1386.9	1386.1	1385.3	1383.9	1381.8	1378.6	1376.2
13°	1380.6	1381.6	1381.1	1381.6	1382.6	1382.3	1382.1	1380.4	1378.5	1374.7	1372.3
13.5°	1376.1	1376.7	1376.8	1378.0	1378.7	1378.4	1378.3	1376.7	1373.9	1370.6	1367.5
14°	1371.4	1372.4	1373.1	1374.2	1374.9	1374.7	1374.4	1373.2	1369.8	1366.6	1363.2
14.5°	1366.7	1367.9	1368.8	1369.8	1371.0	1370.9	1370.5	1368.9	1366.4	1362.1	1358.7
15°	1361.9	1363.7	1364.2	1365.5	1367.2	1366.5	1366.5	1364.4	1362.3	1357.2	1354.1
15.5°	1356.9	1359.3	1359.9	1361.3	1362.9	1361.9	1362.4	1360.1	1357.5	1353.0	1349.5
16°	1351.5	1353.9	1355.0	1356.3	1358.0	1357.8	1357.9	1356.1	1352.9	1349.0	1345.0
16.5°	1346.4	1348.9	1350.0	1351.5	1353.1	1353.4	1353.0	1351.9	1348.7	1344.3	1339.7
17°	1340.9	1343.3	1344.6	1346.4	1348.6	1348.5	1348.4	1347.3	1343.8	1339.2	1334.1
17.5°	1335.3	1338.2	1339.6	1341.3	1344.0	1344.0	1344.5	1342.2	1338.8	1334.2	1329.0
18°	1329.8	1332.0	1334.4	1336.7	1338.7	1338.8	1339.1	1336.9	1333.5	1329.1	1323.4
18.5°	1323.7	1325.7	1329.1	1331.1	1333.5	1333.4	1333.4	1332.1	1328.4	1323.2	1317.4
19°	1317.2	1319.6	1322.9	1325.0	1328.2	1328.5	1328.5	1327.0	1323.6	1317.7	1312.1
19.5°	1310.8	1313.6	1316.9	1319.8	1322.4	1322.9	1323.2	1321.6	1318.0	1312.2	1306.0
20°	1305.1	1308.0	1311.1	1314.0	1316.6	1317.7	1317.7	1316.3	1312.5	1306.5	1300.1
20.5°	1298.5	1301.4	1305.1	1307.6	1311.2	1311.8	1311.9	1310.9	1306.9	1300.7	1293.9
21°	1291.6	1295.4	1298.4	1301.5	1304.9	1306.4	1306.4	1304.8	1301.0	1294.4	1287.7



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1270.3	1273.8	1278.3	1283.0	1286.5	1288.5	1288.4	1286.4	1282.6	1275.3	1268.5
23°	1262.9	1266.8	1271.7	1276.1	1280.0	1281.8	1282.0	1280.0	1276.4	1269.3	1261.2
23.5°	1255.4	1259.5	1264.5	1268.8	1273.8	1275.8	1276.0	1274.0	1269.8	1263.1	1254.5
24°	1247.4	1252.5	1256.9	1262.1	1266.7	1269.0	1269.4	1267.7	1263.4	1256.2	1247.6
24.5°	1239.6	1244.5	1249.8	1254.8	1259.7	1262.4	1263.2	1261.1	1256.6	1249.2	1240.4
25°	1232.1	1236.7	1242.6	1247.7	1252.6	1255.7	1256.7	1254.4	1249.8	1241.9	1232.9
25.5°	1223.9	1229.1	1234.7	1240.1	1245.4	1248.7	1249.5	1247.4	1242.8	1234.9	1225.8
26°	1215.6	1221.1	1227.1	1232.4	1238.3	1241.4	1242.1	1240.9	1235.9	1227.5	1218.1
26.5°	1207.4	1212.6	1218.9	1224.8	1231.3	1234.6	1235.1	1233.6	1228.4	1220.4	1210.5
27°	1198.6	1204.6	1210.9	1217.2	1223.2	1227.0	1227.9	1225.9	1221.3	1212.8	1202.8
27.5°	1190.1	1195.8	1202.8	1209.2	1216.1	1219.4	1220.3	1218.7	1213.9	1205.3	1194.8
28°	1181.1	1187.6	1194.0	1201.5	1208.0	1211.5	1212.7	1211.3	1206.2	1197.6	1186.6
28.5°	1172.2	1178.6	1186.0	1193.3	1199.8	1204.1	1205.3	1203.9	1198.6	1189.7	1179.0
29°	1163.1	1169.8	1177.6	1184.5	1192.3	1196.8	1197.8	1196.0	1190.8	1181.8	1170.6
29.5°	1153.6	1160.3	1168.7	1176.1	1184.0	1188.1	1190.3	1188.2	1182.6	1173.7	1161.9
30°	1144.7	1151.7	1160.0	1168.0	1175.6	1180.9	1181.7	1180.2	1174.4	1165.4	1153.7
30.5°	1135.3	1141.7	1151.0	1159.7	1167.2	1172.4	1173.4	1171.8	1167.1	1157.1	1145.0
31°	1124.9	1133.1	1142.2	1150.5	1158.9	1163.6	1165.7	1164.3	1158.5	1148.3	1136.4
31.5°	1115.1	1123.7	1132.9	1141.4	1150.6	1155.6	1157.2	1155.6	1149.7	1140.3	1127.7
32°	1105.5	1113.8	1123.4	1132.8	1141.4	1146.9	1148.5	1147.3	1141.9	1131.6	1118.8
32.5°	1095.6	1104.5	1114.4	1123.7	1132.4	1138.4	1140.2	1139.1	1132.9	1123.0	1110.0
33°	1085.6	1094.3	1105.0	1114.5	1124.2	1129.4	1131.8	1130.1	1124.5	1114.2	1100.5
33.5°	1075.4	1084.5	1095.1	1105.5	1114.8	1120.8	1122.6	1121.7	1115.7	1105.0	1091.3
34°	1065.3	1074.5	1085.5	1096.0	1105.1	1111.8	1113.9	1113.3	1106.9	1096.1	1082.2
34.5°	1055.3	1064.4	1075.7	1086.3	1096.2	1103.1	1105.2	1104.1	1097.5	1087.3	1074.0
35°	1044.7	1053.8	1065.7	1076.4	1087.1	1093.6	1096.3	1094.9	1088.8	1078.0	1064.9
35.5°	1033.6	1044.1	1055.6	1066.8	1077.6	1083.9	1087.0	1085.8	1079.7	1069.3	1054.9
36°	1023.0	1033.5	1045.6	1057.4	1067.6	1075.1	1077.8	1077.1	1070.7	1059.5	1044.8
36.5°	1012.4	1022.7	1035.5	1047.7	1058.2	1065.9	1068.6	1067.9	1061.0	1049.7	1034.8
37°	1001.7	1012.5	1025.2	1037.0	1049.0	1056.6	1059.1	1058.2	1051.4	1040.0	1024.7
37.5°	991.2	1001.6	1014.8	1027.4	1038.9	1046.9	1049.5	1048.5	1041.7	1030.2	1014.8
38°	980.1	991.3	1004.7	1017.6	1029.3	1036.9	1039.9	1038.8	1032.1	1020.4	1004.9
38.5°	969.5	980.1	994.4	1007.1	1018.5	1026.9	1030.3	1029.2	1022.4	1010.6	994.6
39°	958.4	969.8	983.6	996.7	1008.8	1016.9	1020.3	1019.3	1012.4	1000.7	984.7
39.5°	947.7	958.8	973.0	986.3	998.7	1007.0	1010.2	1009.1	1002.3	990.9	974.2
40°	936.3	947.7	962.2	976.0	988.5	997.1	1000.4	999.2	992.5	980.6	964.1
40.5°	924.8	936.8	951.0	965.9	977.8	987.0	990.3	988.9	982.4	970.6	953.9
41°	913.5	925.5	940.5	954.8	967.8	976.4	979.9	979.0	972.2	960.6	943.6
41.5°	902.8	914.6	929.7	944.0	957.0	966.1	969.9	968.8	962.3	949.8	932.7
42°	891.8	904.1	918.8	933.4	946.6	955.6	959.1	958.9	951.6	939.0	922.1
42.5°	880.6	892.8	908.0	922.8	935.8	945.1	948.9	948.3	941.5	928.9	911.3
43°	869.3	880.9	896.8	911.9	925.3	935.3	938.4	937.7	930.8	918.5	901.6
43.5°	857.6	870.4	885.9	901.1	914.9	924.2	927.9	927.2	920.1	907.8	890.6



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	824.2	836.7	852.6	868.2	882.7	892.1	895.7	895.3	888.5	875.4	858.0
45.5°	812.5	825.1	841.5	857.3	871.2	880.8	885.3	884.6	877.2	864.5	847.0
46°	801.1	813.6	830.3	846.0	860.1	870.4	874.1	873.6	866.2	853.9	836.1
46.5°	789.7	802.8	818.6	834.8	848.9	859.0	863.0	862.4	855.4	843.0	825.3
47°	778.5	791.0	807.4	823.9	838.3	848.5	852.4	851.6	844.3	831.8	814.1
47.5°	767.2	780.5	796.2	812.5	827.3	837.6	840.7	840.6	833.5	820.8	803.0
48°	755.9	768.5	784.9	801.3	816.0	826.3	829.8	829.2	822.4	809.9	792.0
48.5°	744.8	757.4	774.2	790.3	804.3	814.7	818.5	818.3	811.3	798.7	780.6
49°	733.3	746.4	763.1	779.0	793.8	803.7	807.6	807.3	800.4	787.4	769.7
49.5°	722.4	735.3	751.7	767.6	782.0	793.0	796.7	796.0	789.0	776.2	758.8
50°	711.3	723.5	740.3	756.0	771.4	781.6	785.5	784.9	777.8	765.3	747.4
50.5°	700.2	712.6	729.0	745.3	759.9	770.4	774.1	773.5	766.8	753.8	736.0
51°	688.8	701.4	717.8	734.2	748.9	758.8	762.6	762.1	754.9	742.5	724.9
51.5°	678.1	690.9	706.5	722.9	737.2	747.9	751.2	750.8	743.9	731.6	713.6
52°	667.0	679.2	695.4	711.3	726.1	735.8	740.1	739.5	732.6	719.8	702.4
52.5°	656.2	668.3	684.3	700.1	714.6	724.8	728.9	729.2	721.1	708.3	691.1
53°	645.4	657.3	672.9	689.0	703.6	713.3	718.2	717.7	709.6	697.1	680.0
53.5°	634.4	646.6	662.1	677.7	692.3	702.2	707.9	705.0	698.3	686.1	668.7
54°	623.5	634.7	651.2	666.3	680.9	690.6	695.6	693.5	686.5	674.4	657.7
54.5°	613.0	624.3	639.8	655.3	669.1	679.5	683.0	682.1	675.2	663.2	646.5
55°	601.9	613.7	628.9	644.1	658.1	667.9	671.4	670.4	663.7	651.8	635.1
55.5°	591.0	602.9	618.2	633.0	646.5	656.5	659.6	658.7	651.9	640.3	623.7
56°	580.4	591.9	607.0	621.6	635.2	644.6	648.1	648.5	640.8	628.9	612.5
56.5°	570.0	581.1	595.9	610.5	623.9	633.1	637.2	636.8	629.5	617.5	601.4
57°	559.7	570.4	584.7	599.5	612.6	621.8	627.0	623.8	618.2	606.1	590.1
57.5°	549.1	560.0	573.8	588.8	601.2	610.5	614.9	612.5	605.8	594.6	579.0
58°	538.6	549.4	563.4	577.6	589.6	599.0	601.6	600.9	594.3	583.2	567.7
58.5°	528.5	538.6	552.2	566.0	578.3	587.2	590.1	589.6	582.7	572.2	556.4
59°	518.3	528.1	541.2	554.7	567.3	575.7	578.8	578.1	571.5	560.4	545.1
59.5°	507.9	517.9	530.6	543.8	556.1	565.0	568.2	565.7	559.6	548.9	534.3
60°	498.0	507.7	519.9	533.1	545.6	553.6	556.1	554.2	548.2	537.7	522.7
60.5°	487.9	497.3	509.5	522.1	534.6	541.4	543.4	542.7	536.2	526.1	511.8
61°	477.9	486.9	499.2	511.2	522.6	529.4	531.5	531.2	524.8	514.6	500.7
61.5°	467.8	476.6	488.5	500.8	510.9	518.3	520.4	519.1	512.8	503.1	489.3
62°	457.8	466.2	477.9	489.8	503.0	508.0	509.6	507.6	501.3	492.0	478.3
62.5°	447.7	455.8	467.1	479.1	491.1	504.3	494.6	495.6	489.9	480.6	467.1
63°	437.7	445.8	456.4	467.8	480.1	490.3	483.2	484.3	478.5	469.2	456.6
63.5°	428.2	435.8	445.8	456.5	467.6	476.7	472.1	472.5	466.4	457.9	445.5
64°	418.7	426.0	435.4	445.4	455.2	463.2	460.8	460.5	455.1	446.7	434.5
64.5°	409.1	415.9	425.2	434.7	443.7	449.7	449.5	448.9	443.6	435.2	423.4
65°	399.7	406.3	415.3	424.2	432.3	437.6	438.0	437.6	432.2	423.8	412.9
65.5°	390.3	396.7	405.0	413.5	421.2	425.9	426.9	425.8	420.6	412.7	401.8
66°	380.8	387.0	394.7	403.2	410.2	415.6	415.5	414.1	409.2	401.5	390.9



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	353.5	358.3	365.4	372.0	377.7	380.9	380.5	379.5	374.9	368.1	358.9
68°	344.3	349.1	355.6	361.6	366.8	369.9	368.9	368.1	363.5	356.8	347.9
68.5°	335.4	339.7	345.5	351.3	356.0	358.5	357.9	356.5	351.8	345.7	337.5
69°	326.4	330.2	335.9	340.9	345.1	347.4	346.4	344.9	340.4	334.8	326.9
69.5°	317.3	320.9	326.2	330.9	334.8	336.6	335.1	333.2	329.3	323.9	316.6
70°	308.3	311.9	316.7	321.0	324.2	325.2	323.4	322.1	318.1	312.9	306.1
70.5°	299.9	303.0	307.3	310.9	313.5	314.0	312.2	310.7	306.5	302.2	295.6
71°	291.4	294.1	297.9	301.0	303.0	303.2	300.8	299.5	295.7	291.1	285.1
71.5°	282.6	285.3	288.4	291.0	292.6	292.2	289.6	288.1	284.4	280.4	275.0
72°	274.0	276.3	279.1	281.3	282.2	281.4	278.6	276.9	273.2	269.6	264.8
72.5°	265.7	267.3	269.9	271.4	272.2	270.8	267.5	265.6	262.1	259.1	254.8
73°	257.2	258.6	260.6	261.8	262.0	260.0	256.4	254.4	251.2	248.4	244.5
73.5°	249.0	249.9	251.6	252.3	251.9	249.4	245.6	243.4	240.4	237.9	234.6
74°	241.0	241.5	242.8	243.0	241.8	238.9	234.6	232.5	229.7	227.4	224.7
74.5°	232.8	233.2	233.9	233.5	231.7	228.4	223.7	221.3	218.8	216.9	215.1
75°	224.7	224.7	224.9	223.8	221.8	218.0	213.1	210.6	208.3	206.8	205.4
75.5°	216.8	216.5	216.2	214.7	212.1	207.7	202.5	199.9	197.6	196.8	196.0
76°	209.0	208.4	207.5	205.6	202.5	197.6	191.9	189.3	187.2	186.7	186.3
76.5°	201.3	200.2	199.0	196.4	192.9	187.5	181.3	178.6	176.9	176.9	177.2
77°	193.5	192.2	190.8	187.9	183.4	177.5	171.3	168.3	166.8	167.0	167.9
77.5°	185.9	184.4	182.4	179.0	174.0	167.7	161.0	158.1	156.5	157.6	159.0
78°	178.6	176.7	174.1	170.3	164.8	158.1	151.1	147.9	146.7	148.0	149.7
78.5°	171.3	169.0	166.2	161.8	155.9	148.6	141.3	138.0	137.0	138.7	141.3
79°	164.1	161.6	158.2	153.4	147.1	139.3	131.7	128.6	127.7	130.1	133.2
79.5°	157.0	154.2	150.5	145.0	138.4	130.1	122.0	119.2	118.6	121.4	125.0
80°	150.0	147.0	142.9	137.0	129.7	120.9	112.8	109.8	109.3	112.8	116.9
80.5°	143.2	139.9	135.4	128.8	121.3	112.3	103.8	100.4	100.2	104.2	108.8
81°	136.7	133.0	128.1	121.3	113.1	103.7	95.0	91.4	91.5	95.6	100.8
81.5°	130.1	126.2	120.9	113.7	105.3	95.4	86.3	82.3	83.2	87.4	93.2
82°	123.6	119.4	114.0	106.5	97.4	87.3	77.9	73.9	74.8	79.5	85.7
82.5°	117.3	113.0	107.2	99.2	89.9	79.4	70.0	66.0	66.9	72.1	78.7
83°	111.3	106.8	100.7	92.5	82.7	71.8	62.2	58.2	59.4	64.9	71.9
83.5°	105.4	100.7	94.3	85.8	75.6	64.7	54.9	50.8	52.4	58.0	65.4
84°	99.6	94.8	88.2	79.3	68.9	57.7	47.9	43.7	45.3	51.4	59.2
84.5°	94.1	89.1	82.2	72.9	62.5	51.1	42.0	37.0	38.9	45.1	53.4
85°	88.6	83.5	76.3	67.2	56.4	45.7	36.1	30.8	32.7	39.3	47.8
85.5°	83.3	78.1	70.8	61.5	50.7	40.3	30.1	25.0	27.1	34.0	42.7
86°	78.3	73.0	65.6	56.2	46.0	35.0	24.2	20.8	22.0	29.1	37.9
86.5°	73.5	68.1	60.6	51.2	41.3	29.7	19.1	16.5	18.5	24.5	33.4
87°	68.8	63.3	55.7	47.0	36.6	24.3	14.8	12.3	15.1	20.6	29.2
87.5°	64.2	58.7	51.3	42.9	32.0	20.2	11.0	8.1	11.7	18.0	25.4
88°	59.9	54.4	47.4	38.7	27.3	16.6	7.9	3.9	8.3	15.4	22.1
88.5°	55.8	50.1	43.7	34.5	23.7	13.5	5.5	1.8	5.1	12.8	19.2



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	45.2	39.9	32.7	24.1	15.1	7.0	2.5	0.6	2.1	6.4	13.5
90.5°	42.0	36.6	29.6	21.4	12.9	5.7	1.5	0.4	1.8	5.5	11.9
91°	38.8	33.5	26.8	19.0	11.1	5.0	1.1	0.3	1.6	4.8	10.3
91.5°	35.7	30.8	24.3	16.8	9.5	4.4	0.9	0.2	1.4	4.3	8.8
92°	33.0	28.1	21.9	15.0	8.4	3.8	0.7	0.2	1.3	4.0	8.0
92.5°	30.4	25.7	19.8	13.3	7.3	3.1	0.6	0.3	1.2	3.8	7.4
93°	28.1	23.6	18.0	11.9	6.6	2.8	0.5	0.3	1.1	3.5	6.9
93.5°	25.9	21.6	16.3	10.7	6.0	2.5	0.5	0.4	1.0	3.3	6.6
94°	23.9	19.8	14.8	9.8	5.5	2.3	0.5	0.4	1.0	3.3	6.3
94.5°	22.0	18.2	13.6	8.9	5.2	2.1	0.5	0.5	1.0	3.2	6.0
95°	20.4	16.7	12.5	8.3	4.9	1.9	0.5	0.5	1.0	3.2	5.8
95.5°	18.9	15.5	11.5	7.8	4.6	1.8	0.6	0.6	1.0	3.1	5.6
96°	17.5	14.4	10.8	7.4	4.3	1.7	0.7	0.7	1.0	3.0	5.5
96.5°	16.3	13.4	10.2	7.0	4.0	1.6	0.7	0.8	1.0	2.9	5.4
97°	15.2	12.6	9.6	6.7	3.8	1.5	0.8	0.8	1.0	2.8	5.3
97.5°	14.3	11.9	9.2	6.4	3.6	1.4	0.9	0.9	0.9	2.7	5.2
98°	13.5	11.3	8.8	6.1	3.4	1.3	0.9	1.0	1.0	2.6	5.1
98.5°	12.9	10.8	8.4	5.8	3.2	1.3	1.0	1.1	1.0	2.6	5.1
99°	12.3	10.4	8.1	5.5	3.0	1.2	1.1	1.2	1.1	2.6	5.0
99.5°	11.8	10.0	7.7	5.2	2.9	1.2	1.2	1.3	1.2	2.5	4.9
100°	11.4	9.6	7.4	4.9	2.7	1.2	1.2	1.5	1.3	2.5	4.7
100.5°	10.9	9.2	7.1	4.7	2.5	1.2	1.3	1.6	1.4	2.5	4.6
101°	10.5	8.9	6.8	4.4	2.4	1.2	1.4	1.7	1.5	2.5	4.5
101.5°	10.2	8.5	6.5	4.2	2.3	1.2	1.4	1.8	1.5	2.4	4.4
102°	9.8	8.2	6.2	4.0	2.1	1.2	1.5	1.8	1.6	2.3	4.3
102.5°	9.4	7.8	5.9	3.8	2.0	1.2	1.6	1.9	1.7	2.2	4.3
103°	9.0	7.5	5.7	3.6	1.9	1.3	1.7	1.9	1.7	2.2	4.2
103.5°	8.7	7.2	5.4	3.5	1.8	1.4	1.7	2.0	1.8	2.1	4.1
104°	8.4	6.9	5.2	3.3	1.8	1.4	1.8	2.0	1.9	2.1	4.0
104.5°	8.1	6.6	5.0	3.1	1.8	1.5	1.9	2.0	2.0	2.0	3.9
105°	7.7	6.4	4.7	3.0	1.8	1.6	2.0	2.1	2.0	2.0	3.8
105.5°	7.4	6.1	4.5	2.8	1.7	1.7	2.3	2.2	2.1	2.0	3.7
106°	7.1	5.9	4.3	2.7	1.7	1.7	2.6	2.3	2.2	2.0	3.5
106.5°	6.8	5.6	4.1	2.6	1.7	1.7	2.9	2.3	2.4	1.9	3.4
107°	6.6	5.4	3.9	2.5	1.7	1.8	3.1	2.4	2.6	1.9	3.2
107.5°	6.3	5.2	3.8	2.4	1.7	1.8	3.2	2.4	2.8	1.9	3.2
108°	6.0	4.9	3.6	2.3	1.7	1.9	3.1	2.5	2.8	1.9	3.1
108.5°	5.8	4.7	3.4	2.2	1.8	1.9	3.1	2.5	2.7	2.0	3.0
109°	5.6	4.5	3.3	2.2	1.8	2.0	3.0	2.5	2.7	2.0	2.9
109.5°	5.4	4.3	3.1	2.1	1.9	2.0	2.9	2.6	2.8	2.1	2.8
110°	5.1	4.1	3.0	2.0	1.9	2.1	2.9	2.6	2.8	2.1	2.8
110.5°	4.9	3.9	2.9	2.0	1.9	2.2	2.9	2.6	2.9	2.2	2.7
111°	4.7	3.7	2.7	2.0	2.0	2.3	2.9	2.7	3.0	2.2	2.7



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	4.1	3.3	2.4	1.9	2.0	2.6	3.0	2.8	3.2	2.4	2.6
113°	4.0	3.2	2.4	1.9	2.1	2.7	3.0	2.8	3.3	2.4	2.5
113.5°	3.8	3.1	2.3	1.9	2.1	2.9	3.1	2.8	3.3	2.5	2.4
114°	3.7	3.0	2.3	1.9	2.2	3.0	3.1	2.8	3.4	2.5	2.4
114.5°	3.5	2.9	2.3	2.0	2.3	3.2	3.2	2.8	3.4	2.5	2.3
115°	3.4	2.8	2.3	2.0	2.4	3.3	3.2	2.8	3.5	2.6	2.2
115.5°	3.3	2.7	2.3	2.1	2.4	3.4	3.2	2.8	3.5	2.6	2.2
116°	3.1	2.7	2.2	2.1	2.5	3.6	3.3	2.8	3.5	2.7	2.2
116.5°	3.0	2.6	2.2	2.2	2.6	3.7	3.3	2.8	3.5	2.8	2.2
117°	2.9	2.6	2.2	2.3	2.7	3.7	3.3	2.8	3.6	2.8	2.3
117.5°	2.9	2.5	2.1	2.3	2.8	3.7	3.4	2.9	3.6	2.9	2.3
118°	2.8	2.5	2.1	2.4	2.8	3.7	3.4	2.9	3.7	2.9	2.4
118.5°	2.7	2.4	2.2	2.5	2.9	3.9	3.5	2.9	3.7	3.0	2.5
119°	2.6	2.4	2.2	2.5	3.0	4.0	3.5	2.9	3.7	3.1	2.5
119.5°	2.6	2.3	2.2	2.6	3.0	4.2	3.5	2.9	3.7	3.1	2.5
120°	2.5	2.3	2.2	2.7	3.1	4.2	3.6	2.9	3.7	3.3	2.6
120.5°	2.5	2.3	2.3	2.7	3.2	4.3	3.6	2.9	3.8	3.4	2.7
121°	2.4	2.2	2.3	2.8	3.2	4.4	3.6	2.9	3.8	3.4	2.7
121.5°	2.4	2.2	2.4	2.8	3.3	4.4	3.6	2.9	3.8	3.4	2.8
122°	2.3	2.2	2.4	2.9	3.4	4.4	3.6	2.9	3.8	3.4	2.8
122.5°	2.3	2.2	2.5	2.9	3.5	4.4	3.6	2.9	3.8	3.4	2.9
123°	2.3	2.2	2.6	3.0	3.6	4.3	3.5	2.9	3.8	3.4	2.9
123.5°	2.2	2.3	2.6	3.0	3.7	4.2	3.5	2.9	3.9	3.5	3.0
124°	2.2	2.3	2.7	3.1	3.7	4.2	3.5	2.9	3.9	3.5	3.0
124.5°	2.2	2.3	2.7	3.1	3.8	4.1	3.5	2.9	3.9	3.6	3.0
125°	2.2	2.4	2.8	3.2	3.9	4.1	3.4	2.9	3.9	3.6	3.1
125.5°	2.2	2.4	2.8	3.3	4.1	4.0	3.4	2.9	3.9	3.6	3.1
126°	2.3	2.5	2.9	3.3	4.2	4.0	3.4	2.9	3.9	3.7	3.2
126.5°	2.3	2.5	2.9	3.4	4.3	3.9	3.4	2.9	3.9	3.7	3.2
127°	2.3	2.6	3.0	3.4	4.4	3.9	3.3	2.9	3.9	3.7	3.2
127.5°	2.3	2.6	3.0	3.5	4.3	3.9	3.3	2.9	3.9	3.8	3.3
128°	2.4	2.7	3.1	3.6	4.4	3.8	3.3	2.9	3.9	3.8	3.3
128.5°	2.4	2.7	3.1	3.7	4.5	3.8	3.3	2.9	3.9	3.8	3.4
129°	2.5	2.7	3.2	3.7	4.5	3.8	3.3	2.9	3.9	3.8	3.5
129.5°	2.5	2.8	3.2	3.8	4.6	3.8	3.3	2.9	3.9	3.8	3.6
130°	2.5	2.8	3.3	3.9	4.6	3.8	3.3	3.0	3.8	3.8	3.7
130.5°	2.6	2.9	3.3	4.0	4.7	3.8	3.3	3.0	3.9	3.9	3.7
131°	2.6	2.9	3.4	4.0	4.7	3.8	3.3	3.0	3.9	3.9	3.7
131.5°	2.7	3.0	3.4	4.1	4.8	3.8	3.3	3.0	3.9	3.9	3.7
132°	2.7	3.0	3.5	4.2	4.8	3.8	3.3	3.0	3.9	3.9	3.6
132.5°	2.7	3.1	3.6	4.3	4.7	3.8	3.3	3.0	3.9	4.0	3.7
133°	2.8	3.1	3.6	4.4	4.7	3.7	3.3	3.0	3.9	4.0	3.7
133.5°	2.8	3.2	3.7	4.5	4.7	3.7	3.3	3.0	3.8	4.0	3.7



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	3.0	3.4	3.9	4.7	4.6	3.7	3.3	3.0	3.8	4.0	3.6
135.5°	3.0	3.4	4.0	4.8	4.5	3.7	3.3	3.0	3.8	4.0	3.6
136°	3.1	3.5	4.0	4.8	4.5	3.7	3.3	3.0	3.8	4.0	3.7
136.5°	3.1	3.5	4.1	4.8	4.5	3.7	3.3	3.0	3.8	4.0	3.7
137°	3.2	3.6	4.1	4.8	4.4	3.7	3.3	3.0	3.7	4.0	3.7
137.5°	3.2	3.6	4.2	4.9	4.4	3.7	3.3	3.0	3.7	4.0	3.7
138°	3.3	3.7	4.3	4.9	4.3	3.7	3.3	3.0	3.7	4.0	3.7
138.5°	3.3	3.8	4.4	4.9	4.2	3.7	3.4	3.0	3.6	3.9	3.7
139°	3.4	3.8	4.5	4.9	4.2	3.7	3.4	3.0	3.5	3.9	3.7
139.5°	3.4	3.9	4.6	4.9	4.1	3.7	3.4	3.0	3.5	4.0	3.7
140°	3.5	3.9	4.6	4.9	4.0	3.7	3.4	3.0	3.6	4.0	3.8
140.5°	3.6	4.0	4.7	4.9	4.0	3.7	3.4	3.0	3.6	4.0	3.8
141°	3.6	4.0	4.7	4.8	3.9	3.7	3.4	3.0	3.6	4.1	3.7
141.5°	3.7	4.1	4.7	4.7	3.9	3.7	3.4	3.0	3.6	4.1	3.7
142°	3.7	4.2	4.8	4.6	3.8	3.7	3.4	3.0	3.6	4.1	3.7
142.5°	3.8	4.3	4.8	4.6	3.8	3.7	3.4	2.9	3.6	4.1	3.7
143°	3.8	4.4	4.8	4.5	3.7	3.7	3.3	2.8	3.6	4.0	3.6
143.5°	3.9	4.5	4.8	4.4	3.7	3.7	3.3	2.9	3.6	3.9	3.7
144°	4.0	4.5	4.8	4.4	3.7	3.7	3.3	2.9	3.6	3.9	3.7
144.5°	4.1	4.5	4.7	4.3	3.7	3.6	3.4	2.9	3.5	4.0	3.8
145°	4.2	4.6	4.7	4.2	3.6	3.6	3.4	2.9	3.5	4.1	3.8
145.5°	4.3	4.6	4.6	4.1	3.6	3.6	3.4	2.9	3.4	4.1	3.7
146°	4.4	4.6	4.6	4.1	3.6	3.7	3.4	2.9	3.4	4.1	3.7
146.5°	4.4	4.5	4.5	4.0	3.6	3.6	3.4	2.9	3.4	4.1	3.8
147°	4.4	4.5	4.4	3.9	3.6	3.6	3.3	2.9	3.4	4.1	3.8
147.5°	4.4	4.5	4.3	3.8	3.5	3.6	3.2	2.9	3.4	4.1	3.9
148°	4.4	4.5	4.3	3.7	3.5	3.5	3.2	2.9	3.4	4.0	3.9
148.5°	4.3	4.5	4.2	3.7	3.5	3.4	3.3	3.0	3.4	4.0	3.9
149°	4.3	4.4	4.1	3.6	3.5	3.5	3.3	3.0	3.3	4.0	3.9
149.5°	4.3	4.3	4.0	3.6	3.5	3.5	3.3	2.9	3.3	4.0	4.0
150°	4.3	4.2	3.9	3.5	3.4	3.5	3.3	2.9	3.3	4.0	4.0
150.5°	4.2	4.2	3.8	3.5	3.4	3.4	3.3	3.0	3.3	3.9	3.9
151°	4.2	4.1	3.7	3.4	3.3	3.4	3.2	3.0	3.3	3.9	3.8
151.5°	4.2	4.0	3.7	3.4	3.3	3.4	3.2	3.0	3.2	3.9	3.8
152°	4.2	3.9	3.6	3.3	3.4	3.4	3.2	3.0	3.2	3.8	3.9
152.5°	4.1	3.8	3.5	3.3	3.4	3.4	3.2	2.9	3.0	3.7	4.0
153°	4.0	3.7	3.4	3.3	3.4	3.4	3.1	2.9	2.9	3.7	4.0
153.5°	3.9	3.7	3.4	3.3	3.4	3.4	3.1	2.8	2.8	3.6	4.0
154°	3.8	3.6	3.3	3.2	3.4	3.4	3.1	2.8	2.8	3.6	4.0
154.5°	3.7	3.5	3.3	3.2	3.4	3.3	3.1	2.8	2.8	3.4	3.9
155°	3.6	3.4	3.2	3.2	3.4	3.2	3.1	2.7	2.7	3.3	3.7
155.5°	3.5	3.3	3.2	3.2	3.3	3.1	3.0	2.7	2.7	3.1	3.6
156°	3.4	3.3	3.1	3.2	3.2	3.1	3.0	2.6	2.7	3.0	3.4



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	3.2	3.1	3.1	3.2	3.1	3.0	2.6	2.5	2.6	2.9	3.4
158°	3.2	3.1	3.1	3.2	3.2	3.0	2.5	2.5	2.6	2.9	3.4
158.5°	3.1	3.0	3.1	3.2	3.3	3.0	2.5	2.5	2.6	2.9	3.3
159°	3.1	3.0	3.1	3.2	3.2	3.0	2.5	2.5	2.6	2.8	3.2
159.5°	3.0	3.0	3.1	3.1	3.1	2.9	2.5	2.5	2.6	2.8	3.2
160°	3.0	3.0	3.1	3.1	3.1	3.0	2.4	2.5	2.6	2.8	3.1
160.5°	3.0	3.0	3.1	3.1	3.0	3.0	2.4	2.5	2.5	2.8	3.1
161°	3.0	3.0	3.1	3.1	3.1	2.9	2.4	2.5	2.5	2.7	3.0
161.5°	3.0	3.0	3.1	3.1	3.2	2.7	2.5	2.4	2.5	2.7	3.0
162°	3.0	3.0	3.1	3.2	3.1	2.5	2.4	2.4	2.5	2.7	3.0
162.5°	3.0	3.1	3.1	3.2	3.0	2.5	2.4	2.4	2.5	2.7	2.9
163°	3.0	3.1	3.2	3.2	2.9	2.5	2.4	2.4	2.5	2.6	2.9
163.5°	3.0	3.1	3.2	3.2	2.7	2.4	2.4	2.4	2.5	2.6	2.9
164°	3.0	3.1	3.2	3.1	2.6	2.4	2.4	2.4	2.5	2.6	2.8
164.5°	3.0	3.1	3.2	3.1	2.5	2.4	2.4	2.4	2.5	2.6	2.8
165°	3.1	3.1	3.2	3.0	2.5	2.4	2.4	2.4	2.5	2.6	2.8
165.5°	3.1	3.1	3.2	3.0	2.5	2.4	2.4	2.4	2.5	2.6	2.8
166°	3.1	3.2	3.2	2.9	2.5	2.4	2.4	2.4	2.5	2.6	2.7
166.5°	3.1	3.2	3.2	2.9	2.5	2.4	2.4	2.4	2.5	2.6	2.7
167°	3.1	3.2	3.2	2.9	2.4	2.4	2.4	2.4	2.5	2.5	2.7
167.5°	3.2	3.2	3.1	2.6	2.4	2.4	2.4	2.4	2.5	2.5	2.7
168°	3.2	3.2	3.0	2.5	2.4	2.4	2.5	2.4	2.5	2.6	2.7
168.5°	3.2	3.2	3.0	2.5	2.4	2.4	2.5	2.4	2.5	2.6	2.7
169°	3.2	3.2	2.9	2.5	2.4	2.4	2.5	2.4	2.5	2.6	2.6
169.5°	3.2	3.1	2.9	2.5	2.4	2.4	2.5	2.5	2.5	2.6	2.6
170°	3.2	3.1	2.9	2.5	2.4	2.5	2.7	2.6	2.4	2.6	2.8
170.5°	3.2	3.0	2.6	2.4	2.4	2.6	2.7	2.7	2.4	2.8	3.0
171°	3.2	2.9	2.5	2.4	2.4	2.6	2.8	2.8	2.5	3.0	3.0
171.5°	3.1	2.9	2.4	2.4	2.5	2.7	2.9	2.8	2.8	3.0	3.0
172°	3.1	2.8	2.4	2.4	2.5	2.8	2.8	2.8	2.8	2.9	3.0
172.5°	3.0	2.7	2.4	2.3	2.6	2.9	2.8	2.8	2.8	2.9	3.0
173°	2.9	2.7	2.4	2.4	2.6	2.9	2.8	2.8	2.8	2.9	2.9
173.5°	2.9	2.7	2.4	2.4	2.6	2.8	2.8	2.8	2.8	2.8	2.9
174°	2.8	2.5	2.3	2.4	2.6	2.8	2.8	2.8	2.8	2.8	2.9
174.5°	2.7	2.4	2.3	2.5	2.8	2.9	2.8	2.8	2.8	2.8	2.9
175°	2.7	2.4	2.3	2.5	2.8	2.9	2.8	2.8	2.8	2.8	2.9
175.5°	2.7	2.4	2.4	2.5	2.8	2.9	2.8	2.8	2.8	2.8	2.8
176°	2.7	2.5	2.4	2.5	2.7	2.9	2.9	2.8	2.8	2.8	2.8
176.5°	2.7	2.5	2.4	2.5	2.7	2.8	2.8	2.8	2.8	2.8	2.8
177°	2.7	2.5	2.5	2.6	2.8	2.9	2.8	2.8	2.8	2.8	2.8
177.5°	2.6	2.5	2.4	2.5	2.7	2.8	2.8	2.8	2.8	2.7	2.7
178°	2.4	2.3	2.3	2.4	2.5	2.7	2.8	2.7	2.7	2.7	2.7
178.5°	2.4	2.3	2.3	2.3	2.5	2.5	2.6	2.6	2.7	2.7	2.7



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2
0.5°	1429.7	1429.8	1429.8	1429.8	1429.8	1429.8	1429.9	1429.9	1429.9	1430.0	1430.0
1°	1429.3	1429.3	1429.1	1428.8	1428.5	1428.3	1428.5	1428.8	1429.1	1429.4	1429.6
1.5°	1428.5	1428.6	1428.6	1428.4	1428.3	1428.3	1428.4	1428.6	1428.8	1428.9	1429.1
2°	1427.3	1427.3	1427.2	1426.9	1426.7	1426.6	1426.8	1427.2	1427.6	1427.9	1428.0
2.5°	1426.5	1426.4	1425.8	1425.2	1425.2	1425.5	1425.4	1425.6	1426.0	1426.7	1427.0
3°	1425.1	1424.9	1424.2	1423.9	1424.1	1424.3	1424.3	1424.2	1424.7	1425.2	1425.5
3.5°	1422.9	1422.8	1422.6	1422.1	1422.2	1422.7	1423.0	1423.2	1423.5	1424.0	1424.5
4°	1421.8	1421.6	1421.1	1420.5	1420.8	1421.2	1421.5	1421.5	1421.6	1422.2	1422.7
4.5°	1419.6	1419.2	1419.1	1419.2	1419.1	1418.8	1419.0	1419.4	1419.7	1420.6	1421.6
5°	1417.8	1417.6	1416.8	1416.5	1416.0	1415.8	1416.4	1417.2	1418.1	1419.2	1420.4
5.5°	1416.0	1415.3	1414.8	1414.3	1414.0	1414.3	1414.3	1414.9	1416.0	1417.4	1418.8
6°	1413.4	1412.8	1412.4	1412.0	1411.9	1411.6	1411.6	1412.1	1413.4	1414.5	1416.3
6.5°	1410.9	1409.9	1409.5	1409.1	1408.9	1409.1	1409.1	1409.9	1411.1	1412.4	1414.3
7°	1408.9	1407.9	1406.7	1406.0	1406.2	1406.5	1406.8	1407.5	1408.9	1409.9	1412.4
7.5°	1406.5	1405.5	1403.8	1403.4	1402.8	1402.3	1403.1	1404.3	1405.6	1407.3	1409.7
8°	1403.2	1402.4	1401.0	1400.0	1399.5	1399.6	1400.1	1401.2	1402.6	1404.2	1406.9
8.5°	1400.2	1398.6	1397.7	1396.9	1396.1	1396.4	1396.6	1397.9	1399.7	1401.4	1404.0
9°	1396.6	1395.3	1394.3	1393.1	1392.9	1392.9	1392.9	1394.1	1396.4	1398.8	1401.9
9.5°	1393.7	1392.2	1390.3	1389.5	1389.1	1388.9	1389.1	1390.6	1392.8	1395.4	1398.8
10°	1391.3	1388.7	1386.9	1385.6	1385.2	1385.2	1385.1	1386.7	1389.3	1392.1	1395.3
10.5°	1387.2	1385.1	1382.8	1381.4	1380.8	1380.2	1381.2	1383.1	1385.5	1388.6	1392.5
11°	1383.2	1381.0	1378.8	1377.4	1376.7	1376.5	1376.9	1378.5	1381.5	1384.5	1388.7
11.5°	1379.2	1376.7	1374.4	1372.9	1372.3	1371.7	1372.6	1374.3	1377.3	1381.4	1384.5
12°	1375.8	1372.4	1369.9	1368.5	1367.5	1367.2	1368.4	1370.4	1373.3	1377.6	1381.7
12.5°	1371.9	1368.3	1365.7	1364.1	1363.1	1362.0	1363.5	1365.6	1368.7	1373.0	1378.1
13°	1367.6	1363.6	1360.9	1358.9	1357.3	1356.9	1358.6	1360.7	1363.7	1368.6	1373.4
13.5°	1362.6	1358.7	1355.8	1353.6	1352.0	1351.9	1353.4	1355.3	1359.1	1363.7	1369.5
14°	1358.4	1354.0	1350.9	1348.5	1346.8	1347.3	1347.8	1350.3	1354.5	1359.8	1364.4
14.5°	1353.5	1348.7	1345.8	1343.4	1340.9	1341.3	1342.8	1345.0	1349.3	1354.9	1360.3
15°	1348.6	1343.8	1340.7	1337.6	1335.9	1335.6	1337.0	1339.9	1343.7	1349.5	1355.5
15.5°	1343.9	1338.9	1334.8	1331.6	1330.4	1329.6	1331.0	1334.0	1338.6	1344.4	1350.7
16°	1338.8	1333.5	1329.0	1325.5	1323.5	1323.4	1324.8	1328.1	1332.7	1338.8	1345.3
16.5°	1333.4	1328.0	1323.3	1319.6	1317.7	1317.9	1319.1	1322.1	1327.3	1333.3	1340.0
17°	1328.0	1322.2	1317.6	1313.9	1311.8	1311.4	1312.8	1316.0	1321.3	1328.3	1334.8
17.5°	1322.3	1316.4	1311.6	1307.6	1305.3	1304.7	1306.6	1309.6	1315.0	1322.3	1329.9
18°	1316.5	1310.2	1305.2	1300.9	1298.5	1297.6	1299.2	1303.6	1309.1	1316.3	1324.3
18.5°	1310.5	1304.2	1298.4	1293.8	1291.8	1291.3	1292.9	1297.1	1303.3	1310.4	1318.5
19°	1305.0	1297.6	1291.6	1287.0	1285.4	1283.9	1285.5	1289.9	1296.0	1304.0	1312.0
19.5°	1298.2	1291.0	1284.9	1280.1	1278.2	1276.9	1278.7	1282.8	1289.2	1297.9	1306.3
20°	1292.3	1284.8	1278.3	1273.1	1270.3	1269.8	1272.1	1276.0	1282.8	1291.5	1301.0
20.5°	1286.0	1278.0	1271.4	1265.7	1262.5	1262.2	1264.5	1269.3	1276.0	1285.0	1294.9
21°	1279.1	1271.3	1264.2	1258.3	1254.8	1254.7	1256.9	1261.7	1269.1	1278.5	1288.0



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1258.7	1249.4	1241.6	1235.7	1231.3	1230.7	1232.7	1237.9	1246.4	1257.5	1267.9
23°	1252.0	1242.0	1234.2	1227.6	1223.4	1223.1	1224.8	1230.3	1239.1	1250.2	1261.6
23.5°	1244.5	1234.1	1226.0	1219.4	1215.7	1214.2	1216.3	1222.1	1231.3	1242.4	1254.3
24°	1237.3	1226.7	1217.8	1210.4	1206.9	1205.4	1207.4	1214.1	1223.1	1234.6	1246.7
24.5°	1229.7	1219.1	1209.4	1201.9	1198.3	1196.4	1199.4	1206.5	1215.6	1227.1	1239.6
25°	1223.1	1211.2	1201.9	1193.9	1190.0	1187.8	1190.8	1198.0	1207.5	1219.4	1231.9
25.5°	1214.4	1202.9	1193.5	1185.2	1180.6	1179.0	1181.9	1188.8	1198.7	1211.2	1224.7
26°	1206.5	1194.5	1184.5	1176.6	1172.0	1170.0	1173.1	1180.0	1190.8	1203.5	1217.2
26.5°	1198.6	1186.4	1175.6	1167.6	1163.2	1160.9	1163.5	1171.3	1182.1	1195.4	1209.1
27°	1191.1	1178.6	1167.2	1158.1	1153.4	1152.1	1154.6	1162.0	1173.4	1186.8	1201.1
27.5°	1182.7	1169.3	1158.2	1148.8	1143.5	1143.0	1145.5	1152.8	1164.3	1178.8	1192.8
28°	1173.9	1160.7	1149.4	1139.6	1134.6	1133.1	1136.4	1144.5	1155.9	1170.1	1185.1
28.5°	1165.9	1152.5	1140.5	1130.9	1125.2	1123.4	1126.4	1134.8	1146.9	1161.1	1176.0
29°	1157.5	1143.2	1131.1	1121.0	1115.3	1114.4	1117.5	1124.9	1137.0	1152.1	1167.8
29.5°	1148.8	1134.0	1121.8	1111.4	1105.8	1104.0	1106.6	1115.4	1128.1	1143.7	1159.8
30°	1140.0	1124.9	1112.3	1101.8	1095.7	1094.1	1097.5	1106.1	1118.9	1134.9	1151.1
30.5°	1131.0	1116.0	1102.8	1092.0	1086.3	1084.1	1087.4	1096.1	1109.2	1125.4	1142.1
31°	1122.1	1106.6	1093.2	1082.3	1076.2	1074.1	1077.8	1086.7	1099.7	1116.1	1133.6
31.5°	1112.9	1097.2	1083.6	1072.3	1065.8	1063.7	1067.5	1076.9	1090.4	1107.2	1124.3
32°	1103.5	1088.0	1074.0	1061.9	1055.4	1053.3	1057.2	1066.6	1081.0	1097.8	1115.5
32.5°	1094.9	1078.5	1064.0	1051.5	1045.0	1042.9	1046.9	1056.2	1071.1	1088.6	1106.3
33°	1085.3	1068.6	1054.0	1041.0	1034.6	1032.5	1036.6	1045.9	1060.9	1079.2	1097.3
33.5°	1075.4	1058.5	1044.1	1030.5	1024.2	1022.1	1026.3	1035.6	1050.8	1069.5	1088.1
34°	1067.3	1048.7	1034.2	1020.7	1013.2	1011.5	1015.1	1025.2	1040.6	1059.6	1078.7
34.5°	1057.2	1038.9	1024.0	1010.8	1002.9	1000.5	1004.7	1015.2	1030.5	1049.8	1069.6
35°	1047.2	1028.7	1012.9	1000.2	992.3	989.7	994.2	1004.9	1020.4	1039.9	1060.0
35.5°	1037.3	1018.7	1002.7	989.7	981.7	979.2	983.5	994.6	1009.9	1030.0	1050.3
36°	1027.3	1008.8	992.6	978.5	970.5	968.2	972.5	983.0	999.5	1020.1	1040.6
36.5°	1017.2	998.3	981.3	967.8	959.3	957.4	961.6	972.7	988.8	1009.3	1031.0
37°	1007.0	987.4	970.9	957.2	948.3	946.0	950.5	962.2	978.4	998.9	1020.8
37.5°	996.9	977.0	960.3	946.4	938.1	935.1	939.7	951.0	967.4	988.4	1010.8
38°	986.3	966.4	949.3	934.9	926.5	924.6	928.5	940.3	957.2	978.2	1000.0
38.5°	976.0	956.1	938.6	924.3	915.6	912.7	917.7	929.4	946.4	967.9	989.9
39°	965.8	945.6	927.6	913.2	904.7	902.0	907.0	918.6	935.7	957.4	979.7
39.5°	955.1	935.2	917.1	902.1	893.8	890.8	895.3	907.3	924.7	946.6	969.6
40°	945.0	924.2	906.2	891.4	882.3	879.7	884.5	896.4	913.8	936.0	959.1
40.5°	934.4	913.4	895.2	880.1	871.0	868.4	872.8	884.9	903.4	925.3	948.9
41°	923.9	902.6	884.2	868.7	859.9	857.2	862.2	874.3	892.1	914.7	938.1
41.5°	913.1	891.9	873.3	858.0	848.8	846.2	850.6	863.3	881.4	904.0	927.6
42°	902.2	880.8	862.0	846.8	837.2	834.7	839.8	851.8	870.3	892.9	917.5
42.5°	891.9	870.3	851.0	835.6	826.1	823.7	828.4	840.9	859.6	881.8	906.2
43°	881.3	859.0	840.2	824.5	814.6	812.7	817.6	829.9	848.6	871.4	895.8
43.5°	870.3	848.3	829.0	813.0	803.9	801.2	806.1	818.4	836.9	860.6	885.0



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	837.5	814.7	795.3	779.8	770.6	767.4	772.1	785.1	803.5	827.6	852.6
45.5°	826.5	804.0	784.8	768.5	759.2	756.4	761.4	774.1	792.6	816.5	841.5
46°	815.5	793.1	773.3	757.6	747.9	745.7	750.4	763.2	782.0	805.4	830.8
46.5°	804.4	782.0	762.3	746.4	736.9	734.4	739.2	752.3	771.0	794.4	819.6
47°	793.6	770.6	751.1	735.3	725.5	723.2	728.2	740.8	759.7	783.3	809.0
47.5°	782.2	759.6	740.3	724.3	714.6	712.4	717.2	729.8	748.6	772.3	797.8
48°	770.9	748.8	728.7	713.1	703.8	701.0	705.7	718.5	737.5	761.0	786.5
48.5°	759.8	737.6	718.0	702.3	693.0	690.1	695.2	707.6	726.4	750.1	775.2
49°	749.0	726.4	706.9	691.5	681.7	679.1	684.5	697.0	715.9	739.5	764.2
49.5°	738.4	715.3	696.2	680.6	670.7	668.7	673.4	686.0	704.4	728.2	753.5
50°	726.3	704.3	684.9	669.4	659.9	657.6	662.9	674.9	693.9	716.9	742.6
50.5°	715.8	693.2	673.4	658.4	649.5	647.0	651.4	663.8	682.7	705.8	731.3
51°	704.5	681.9	663.0	647.8	638.4	636.7	641.0	653.2	671.5	694.8	720.5
51.5°	693.2	671.1	652.3	637.2	627.7	625.8	630.5	642.9	660.9	684.0	709.1
52°	681.8	660.5	641.5	626.6	617.2	615.0	619.9	632.3	650.3	673.5	698.1
52.5°	670.8	649.5	630.7	615.8	606.9	605.0	609.2	621.6	639.7	662.5	687.0
53°	659.8	638.5	619.6	605.0	596.2	594.5	598.8	610.9	628.8	651.4	676.1
53.5°	648.8	627.6	608.8	594.5	585.6	583.8	588.7	600.1	618.2	640.6	665.5
54°	637.9	616.8	598.1	584.1	575.3	572.9	577.7	589.4	607.3	629.6	654.4
54.5°	626.8	605.6	587.4	573.4	564.8	563.1	567.8	579.0	596.7	618.7	642.9
55°	615.6	594.5	576.9	563.2	554.4	552.7	557.2	568.8	586.0	608.2	631.9
55.5°	605.0	584.0	566.3	552.7	544.7	542.8	547.3	558.3	575.4	597.3	620.7
56°	593.7	573.2	555.6	542.5	534.3	532.7	537.1	547.8	564.8	586.6	610.0
56.5°	582.6	562.2	545.5	532.3	523.9	522.2	527.1	537.9	554.6	575.8	598.9
57°	571.7	551.7	534.8	522.0	514.0	512.6	517.0	527.9	544.0	564.9	588.0
57.5°	560.4	541.2	524.7	511.6	503.9	502.4	506.5	517.3	533.7	554.2	576.9
58°	549.6	530.4	514.1	501.6	494.3	492.6	497.0	507.3	523.2	543.4	566.1
58.5°	538.5	520.1	504.0	491.5	484.3	483.0	487.1	497.3	513.2	533.1	555.6
59°	527.8	509.5	493.6	481.7	474.3	473.0	477.2	487.4	502.9	522.6	544.7
59.5°	517.0	498.8	483.7	471.6	464.4	463.2	467.9	477.5	492.9	512.0	533.8
60°	506.1	488.6	473.7	461.6	455.2	454.0	457.9	467.6	482.6	501.6	522.7
60.5°	495.4	478.1	463.5	451.8	445.3	444.1	448.2	457.7	472.7	491.2	511.7
61°	484.4	467.8	453.3	442.2	435.6	434.6	438.4	448.1	462.5	480.9	501.3
61.5°	473.7	457.4	443.5	432.9	426.8	425.3	429.3	438.5	452.7	470.5	490.3
62°	462.8	447.2	433.8	423.0	416.9	416.0	419.8	429.1	442.7	460.4	479.6
62.5°	452.5	437.0	423.8	413.4	407.4	406.8	410.4	419.4	432.9	450.2	469.0
63°	442.0	426.9	413.7	403.8	398.3	397.4	401.1	409.8	423.1	439.9	458.4
63.5°	431.5	416.7	404.0	394.4	389.2	388.3	392.0	400.4	413.4	430.0	448.2
64°	420.7	406.6	394.9	385.2	380.1	379.3	382.7	391.2	403.5	419.9	437.4
64.5°	410.3	396.6	385.0	375.8	370.7	370.3	373.7	381.8	394.0	409.7	427.1
65°	399.9	386.7	375.4	366.7	362.0	361.2	364.8	372.7	384.6	399.8	416.6
65.5°	389.5	376.9	366.3	357.7	352.9	352.3	355.9	363.5	375.3	389.8	406.2
66°	379.5	367.1	357.0	348.3	343.7	343.2	346.5	354.2	365.6	380.1	395.8



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	348.3	337.6	328.5	321.5	317.7	317.2	320.4	327.4	337.6	350.7	364.7
68°	338.2	328.1	319.3	312.6	309.1	308.9	311.9	318.6	328.2	341.0	354.9
68.5°	328.3	318.4	310.2	303.9	300.6	300.1	303.2	309.9	319.3	331.5	344.9
69°	318.2	308.9	301.3	295.3	292.0	291.9	294.7	301.1	310.2	321.9	335.0
69.5°	308.2	299.5	292.2	286.5	283.3	283.3	286.1	292.4	301.2	312.3	324.7
70°	298.5	290.2	283.4	277.8	275.1	275.3	277.9	283.7	292.1	302.8	314.7
70.5°	288.3	280.9	274.4	269.6	267.0	267.1	269.7	275.2	283.2	293.6	304.6
71°	278.7	271.6	265.8	261.2	258.8	258.9	261.4	266.8	274.5	284.2	295.1
71.5°	269.1	262.5	257.1	252.8	250.5	250.7	253.3	258.3	265.8	275.1	285.1
72°	259.5	253.5	248.5	244.6	242.6	243.0	245.3	250.1	257.2	266.0	275.6
72.5°	249.8	244.5	240.0	236.4	234.7	234.9	237.4	242.0	248.6	256.9	265.8
73°	240.5	235.7	231.5	228.3	226.6	227.0	229.3	233.8	239.8	247.9	256.7
73.5°	231.1	226.8	222.9	220.2	219.0	219.2	221.6	225.6	231.6	238.9	247.0
74°	221.7	218.0	214.9	212.4	211.1	211.9	213.8	217.8	223.3	230.2	237.5
74.5°	212.5	209.4	206.6	204.7	203.6	204.3	206.3	210.0	215.1	221.4	228.0
75°	203.6	201.0	198.7	196.8	196.1	196.7	198.7	202.1	206.9	212.7	219.2
75.5°	194.7	192.6	190.5	189.3	188.7	189.3	191.1	194.4	198.7	204.1	210.0
76°	185.6	184.3	183.0	181.7	181.2	182.0	183.7	186.9	191.0	195.7	201.0
76.5°	176.9	176.0	175.1	174.3	174.1	174.8	176.5	179.4	183.0	187.3	192.0
77°	168.4	167.9	167.6	167.1	166.9	167.8	169.4	171.9	175.3	179.0	183.3
77.5°	159.8	160.0	159.9	160.0	160.1	160.9	162.5	164.7	167.7	171.0	174.2
78°	151.5	152.4	152.7	152.9	153.4	154.2	155.5	157.7	160.3	163.1	165.9
78.5°	143.5	145.0	145.5	146.0	146.7	147.6	148.9	150.7	152.8	155.2	157.4
79°	135.4	137.3	138.5	139.3	140.0	141.0	142.3	143.9	145.6	147.5	149.3
79.5°	127.8	130.1	131.7	132.8	133.7	134.7	136.0	137.3	138.6	140.0	140.8
80°	120.3	123.4	125.4	126.7	127.9	128.6	129.6	130.6	132.0	132.6	133.1
80.5°	112.8	116.7	119.1	120.8	122.0	122.8	123.7	124.5	125.6	125.6	125.6
81°	105.3	109.9	112.8	114.8	116.2	117.1	117.9	118.6	119.3	118.9	118.2
81.5°	98.4	103.2	106.5	108.9	110.4	111.3	112.1	112.7	112.9	112.1	110.8
82°	91.8	96.7	100.2	102.9	104.6	105.5	106.3	106.8	106.5	105.3	103.4
82.5°	85.2	90.6	94.4	97.2	99.1	100.2	100.9	101.0	100.3	98.8	96.2
83°	78.7	84.6	88.8	91.8	93.8	94.9	95.5	95.4	94.4	92.5	89.5
83.5°	72.7	78.8	83.3	86.5	88.5	89.6	90.2	89.9	88.8	86.4	82.9
84°	66.8	73.2	78.0	81.3	83.5	84.7	85.2	84.7	83.2	80.5	76.7
84.5°	61.2	68.0	72.9	76.4	78.6	79.8	80.2	79.6	78.0	74.9	70.4
85°	56.0	62.9	68.0	71.6	74.0	75.2	75.4	74.7	72.7	69.5	64.7
85.5°	51.0	58.0	63.3	67.0	69.4	70.5	70.7	70.0	67.8	64.3	59.2
86°	46.3	53.3	58.8	62.7	65.1	66.2	66.5	65.5	63.0	59.3	54.0
86.5°	41.8	49.0	54.6	58.4	60.9	62.1	62.2	61.1	58.6	54.5	48.9
87°	37.7	44.9	50.5	54.4	57.0	58.2	58.2	56.9	54.3	50.1	44.2
87.5°	33.8	41.1	46.7	50.7	53.2	54.4	54.3	53.1	50.3	45.9	39.9
88°	30.3	37.5	43.1	47.2	49.7	50.7	50.8	49.3	46.4	42.0	35.8
88.5°	27.1	34.2	39.7	43.8	46.2	47.3	47.2	45.8	42.9	38.3	32.1



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	19.4	25.8	31.0	34.8	37.3	38.3	38.1	36.4	33.3	28.8	22.7
90.5°	17.4	23.5	28.5	32.3	34.7	35.7	35.4	33.8	30.7	26.1	20.2
91°	15.6	21.4	26.3	30.0	32.3	33.2	32.9	31.3	28.2	23.7	18.1
91.5°	14.2	19.6	24.3	27.8	30.1	31.0	30.6	29.0	26.0	21.6	16.2
92°	13.3	18.1	22.5	25.9	28.0	28.9	28.6	26.9	23.9	19.8	14.5
92.5°	12.4	16.7	20.9	24.1	26.2	27.0	26.6	25.0	22.1	18.1	13.5
93°	11.6	15.5	19.5	22.5	24.5	25.2	24.9	23.3	20.5	16.6	12.6
93.5°	10.7	14.5	18.3	21.2	23.0	23.7	23.4	21.8	19.1	15.4	11.6
94°	9.8	13.7	17.3	20.0	21.7	22.4	22.0	20.5	17.9	14.4	10.7
94.5°	9.4	13.1	16.4	19.0	20.6	21.2	20.8	19.3	16.8	13.5	9.7
95°	9.0	12.5	15.6	18.1	19.6	20.1	19.7	18.3	15.9	12.8	9.2
95.5°	8.7	12.0	14.9	17.2	18.7	19.2	18.8	17.4	15.1	12.2	8.8
96°	8.4	11.6	14.3	16.5	17.8	18.3	17.9	16.6	14.5	11.7	8.5
96.5°	8.2	11.3	13.8	15.8	17.1	17.6	17.2	16.0	13.9	11.3	8.2
97°	8.0	10.9	13.4	15.2	16.5	16.9	16.6	15.4	13.4	10.8	7.8
97.5°	7.8	10.6	12.9	14.8	15.9	16.3	16.0	14.9	13.0	10.4	7.5
98°	7.7	10.3	12.5	14.3	15.4	15.8	15.5	14.5	12.6	10.0	7.2
98.5°	7.6	10.0	12.2	13.9	15.0	15.4	15.1	14.0	12.2	9.6	6.9
99°	7.5	9.8	11.9	13.5	14.5	14.9	14.6	13.6	11.8	9.3	6.8
99.5°	7.4	9.7	11.6	13.2	14.1	14.5	14.2	13.1	11.5	9.0	6.7
100°	7.3	9.5	11.4	12.9	13.8	14.1	13.8	12.8	11.1	8.7	6.6
100.5°	7.2	9.4	11.2	12.6	13.5	13.8	13.4	12.4	10.8	8.6	6.5
101°	7.1	9.3	11.0	12.3	13.2	13.4	13.0	12.0	10.4	8.5	6.5
101.5°	7.0	9.1	10.8	12.1	12.9	13.1	12.7	11.7	10.1	8.4	6.4
102°	6.8	9.0	10.6	11.9	12.6	12.9	12.4	11.5	10.0	8.2	6.3
102.5°	6.7	8.9	10.5	11.7	12.4	12.6	12.2	11.3	9.9	8.2	6.1
103°	6.6	8.8	10.3	11.5	12.2	12.4	12.0	11.2	9.7	8.1	6.0
103.5°	6.4	8.6	10.2	11.3	12.0	12.2	11.9	11.1	9.6	8.0	5.8
104°	6.3	8.5	10.0	11.2	11.8	12.1	11.7	10.9	9.5	7.9	5.7
104.5°	6.1	8.3	9.9	11.0	11.6	11.9	11.6	10.8	9.4	7.7	5.5
105°	6.0	8.1	9.7	10.8	11.5	11.7	11.4	10.6	9.3	7.6	5.3
105.5°	5.9	7.9	9.5	10.6	11.3	11.6	11.3	10.5	9.2	7.4	5.2
106°	5.7	7.8	9.4	10.5	11.1	11.5	11.2	10.3	9.0	7.2	5.0
106.5°	5.6	7.6	9.2	10.3	11.0	11.3	11.0	10.2	8.9	7.0	4.9
107°	5.5	7.5	9.0	10.1	10.8	11.1	10.8	10.0	8.7	6.8	4.8
107.5°	5.4	7.3	8.8	9.9	10.6	10.9	10.6	9.8	8.5	6.6	4.6
108°	5.2	7.1	8.6	9.7	10.4	10.7	10.4	9.6	8.2	6.5	4.5
108.5°	5.1	7.0	8.4	9.5	10.2	10.5	10.3	9.4	8.0	6.3	4.4
109°	4.9	6.8	8.3	9.3	10.0	10.3	10.1	9.2	7.8	6.1	4.3
109.5°	4.8	6.7	8.1	9.1	9.7	10.1	9.8	8.9	7.6	5.9	4.2
110°	4.6	6.5	7.9	8.9	9.5	9.8	9.6	8.7	7.4	5.8	4.1
110.5°	4.5	6.4	7.7	8.7	9.3	9.6	9.4	8.5	7.2	5.7	3.9
111°	4.4	6.2	7.5	8.5	9.1	9.4	9.1	8.3	7.0	5.5	3.8



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	3.9	5.7	7.1	7.9	8.5	8.7	8.5	7.7	6.5	5.2	3.5
113°	3.7	5.5	6.9	7.7	8.3	8.5	8.3	7.5	6.3	5.0	3.3
113.5°	3.6	5.3	6.7	7.6	8.1	8.3	8.1	7.3	6.1	4.9	3.2
114°	3.5	5.2	6.6	7.4	7.9	8.1	7.9	7.2	6.0	4.8	3.1
114.5°	3.4	5.0	6.4	7.2	7.7	7.9	7.7	7.0	5.8	4.6	3.0
115°	3.3	4.8	6.2	7.1	7.6	7.7	7.5	6.8	5.7	4.5	2.9
115.5°	3.2	4.6	6.0	6.9	7.4	7.5	7.3	6.6	5.5	4.3	2.9
116°	3.2	4.4	5.9	6.8	7.2	7.3	7.1	6.4	5.4	4.2	2.8
116.5°	3.1	4.3	5.7	6.6	7.1	7.2	6.9	6.2	5.2	4.0	2.8
117°	3.0	4.1	5.5	6.4	6.9	7.0	6.8	6.0	5.0	3.9	2.7
117.5°	3.0	4.0	5.2	6.2	6.8	6.8	6.6	5.9	4.9	3.8	2.7
118°	3.0	3.8	5.0	6.0	6.6	6.7	6.4	5.7	4.7	3.7	2.6
118.5°	2.9	3.7	4.8	5.9	6.4	6.5	6.2	5.6	4.5	3.5	2.5
119°	2.8	3.6	4.7	5.7	6.2	6.3	6.1	5.4	4.3	3.4	2.4
119.5°	2.7	3.5	4.5	5.4	6.0	6.1	5.9	5.2	4.1	3.3	2.3
120°	2.6	3.4	4.3	5.2	5.8	5.9	5.7	4.9	4.0	3.2	2.2
120.5°	2.5	3.3	4.2	5.0	5.6	5.7	5.5	4.8	3.9	3.1	2.2
121°	2.4	3.3	4.0	4.8	5.3	5.5	5.2	4.6	3.7	3.0	2.1
121.5°	2.3	3.2	3.9	4.6	5.1	5.3	5.0	4.4	3.6	3.0	2.1
122°	2.3	3.2	3.8	4.5	4.9	5.1	4.9	4.3	3.5	2.9	2.1
122.5°	2.4	3.1	3.7	4.3	4.7	4.9	4.7	4.1	3.4	2.8	2.1
123°	2.4	3.0	3.6	4.2	4.6	4.7	4.5	4.0	3.3	2.7	2.2
123.5°	2.5	2.9	3.5	4.1	4.4	4.5	4.4	3.9	3.2	2.5	2.2
124°	2.5	2.8	3.4	3.9	4.3	4.4	4.2	3.8	3.1	2.4	2.2
124.5°	2.5	2.7	3.3	3.8	4.2	4.2	4.1	3.7	3.1	2.2	2.3
125°	2.6	2.5	3.2	3.7	4.0	4.1	4.0	3.6	3.0	2.2	2.3
125.5°	2.6	2.4	3.2	3.6	3.9	4.0	3.9	3.5	2.9	2.1	2.3
126°	2.7	2.3	3.1	3.6	3.8	3.9	3.8	3.4	2.8	2.0	2.4
126.5°	2.8	2.3	2.9	3.5	3.7	3.8	3.7	3.3	2.6	1.9	2.4
127°	2.8	2.3	2.8	3.4	3.6	3.7	3.6	3.3	2.5	2.0	2.4
127.5°	2.9	2.4	2.7	3.3	3.5	3.6	3.5	3.2	2.4	2.0	2.5
128°	2.9	2.4	2.6	3.2	3.5	3.5	3.4	3.0	2.3	2.0	2.5
128.5°	2.9	2.5	2.4	3.0	3.4	3.4	3.3	2.9	2.2	2.1	2.5
129°	3.0	2.5	2.3	2.9	3.3	3.3	3.2	2.7	2.1	2.1	2.5
129.5°	3.0	2.5	2.2	2.8	3.1	3.2	3.1	2.6	2.1	2.2	2.5
130°	3.1	2.6	2.3	2.6	3.0	3.1	2.9	2.5	2.1	2.2	2.5
130.5°	3.1	2.6	2.3	2.5	2.8	2.9	2.8	2.4	2.1	2.2	2.5
131°	3.1	2.7	2.4	2.3	2.7	2.8	2.6	2.3	2.2	2.3	2.5
131.5°	3.1	2.7	2.4	2.2	2.5	2.6	2.5	2.2	2.2	2.3	2.5
132°	3.2	2.7	2.5	2.3	2.4	2.5	2.4	2.2	2.2	2.4	2.6
132.5°	3.2	2.8	2.5	2.3	2.3	2.3	2.3	2.2	2.3	2.4	2.6
133°	3.3	2.8	2.5	2.3	2.2	2.2	2.2	2.2	2.3	2.5	2.7
133.5°	3.4	2.9	2.6	2.4	2.3	2.2	2.2	2.3	2.3	2.5	2.8



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	3.5	3.0	2.7	2.5	2.4	2.3	2.4	2.4	2.5	2.7	3.0
135.5°	3.6	3.1	2.7	2.5	2.4	2.3	2.4	2.4	2.5	2.7	3.1
136°	3.6	3.1	2.7	2.6	2.4	2.4	2.4	2.5	2.6	2.8	3.1
136.5°	3.7	3.2	2.8	2.6	2.5	2.4	2.5	2.5	2.6	2.8	3.1
137°	3.7	3.2	2.8	2.6	2.5	2.5	2.5	2.5	2.7	2.9	3.1
137.5°	3.7	3.3	2.9	2.7	2.5	2.5	2.5	2.6	2.7	2.9	3.1
138°	3.6	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.8	3.0	3.0
138.5°	3.5	3.4	3.0	2.7	2.6	2.5	2.6	2.6	2.8	3.1	2.9
139°	3.5	3.5	3.0	2.8	2.7	2.6	2.7	2.7	2.9	3.2	2.9
139.5°	3.5	3.5	3.1	2.8	2.7	2.6	2.7	2.7	2.9	3.2	2.9
140°	3.5	3.5	3.1	2.9	2.7	2.7	2.7	2.8	3.0	3.2	2.9
140.5°	3.5	3.6	3.2	2.9	2.8	2.7	2.8	2.8	3.1	3.3	2.9
141°	3.5	3.6	3.3	2.9	2.8	2.8	2.8	2.9	3.2	3.3	2.9
141.5°	3.5	3.7	3.4	3.0	2.8	2.8	2.9	2.9	3.3	3.3	2.9
142°	3.5	3.6	3.5	3.1	2.9	2.9	2.9	3.0	3.3	3.3	2.9
142.5°	3.5	3.6	3.5	3.2	2.9	2.9	2.9	3.1	3.4	3.2	2.9
143°	3.5	3.5	3.5	3.3	3.0	2.9	3.0	3.2	3.4	3.1	2.9
143.5°	3.5	3.4	3.6	3.4	3.1	3.0	3.1	3.3	3.4	3.1	2.9
144°	3.5	3.4	3.6	3.5	3.2	3.1	3.2	3.4	3.4	3.1	2.9
144.5°	3.5	3.4	3.6	3.5	3.3	3.2	3.4	3.5	3.4	3.1	2.9
145°	3.5	3.4	3.6	3.5	3.4	3.4	3.4	3.5	3.4	3.1	2.9
145.5°	3.5	3.4	3.5	3.6	3.5	3.5	3.5	3.5	3.3	3.0	2.9
146°	3.5	3.4	3.4	3.6	3.5	3.5	3.5	3.5	3.2	3.0	2.9
146.5°	3.5	3.4	3.4	3.6	3.6	3.5	3.6	3.5	3.2	3.0	2.9
147°	3.5	3.4	3.4	3.5	3.6	3.6	3.6	3.5	3.2	3.0	2.8
147.5°	3.5	3.4	3.4	3.4	3.6	3.6	3.6	3.4	3.2	3.0	2.8
148°	3.5	3.4	3.4	3.4	3.5	3.6	3.5	3.3	3.2	3.0	2.8
148.5°	3.5	3.4	3.4	3.4	3.4	3.5	3.4	3.3	3.2	3.0	2.8
149°	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.0	2.8
149.5°	3.5	3.4	3.4	3.4	3.3	3.4	3.4	3.3	3.2	3.0	2.8
150°	3.5	3.4	3.4	3.4	3.3	3.4	3.4	3.3	3.2	3.0	2.8
150.5°	3.5	3.4	3.4	3.4	3.3	3.4	3.4	3.3	3.2	2.9	2.8
151°	3.4	3.4	3.4	3.4	3.3	3.4	3.3	3.3	3.1	2.9	2.8
151.5°	3.5	3.3	3.3	3.4	3.3	3.3	3.4	3.3	3.1	2.9	2.8
152°	3.6	3.3	3.3	3.4	3.3	3.4	3.4	3.3	3.1	2.9	2.9
152.5°	3.7	3.3	3.3	3.3	3.3	3.4	3.4	3.2	3.1	2.9	2.9
153°	3.7	3.3	3.3	3.3	3.3	3.4	3.4	3.2	3.1	2.9	2.9
153.5°	3.7	3.3	3.3	3.3	3.3	3.4	3.3	3.2	3.1	2.9	2.9
154°	3.7	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1	2.9	2.9
154.5°	3.7	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1	2.9	2.9
155°	3.7	3.5	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0	3.0
155.5°	3.6	3.5	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0	3.0
156°	3.6	3.6	3.3	3.3	3.2	3.3	3.3	3.2	3.1	3.0	3.0



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	3.7	3.5	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1
158°	3.6	3.5	3.5	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1
158.5°	3.4	3.4	3.5	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1
159°	3.3	3.4	3.5	3.4	3.3	3.3	3.3	3.4	3.3	3.3	3.2
159.5°	3.3	3.4	3.6	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.2
160°	3.3	3.4	3.6	3.5	3.4	3.4	3.4	3.4	3.5	3.4	3.3
160.5°	3.2	3.4	3.6	3.6	3.5	3.4	3.4	3.4	3.5	3.4	3.3
161°	3.2	3.4	3.6	3.6	3.5	3.5	3.5	3.5	3.6	3.5	3.3
161.5°	3.2	3.3	3.5	3.7	3.5	3.5	3.5	3.6	3.6	3.5	3.4
162°	3.2	3.2	3.4	3.7	3.6	3.6	3.6	3.6	3.7	3.6	3.4
162.5°	3.2	3.2	3.4	3.7	3.7	3.6	3.7	3.7	3.7	3.6	3.3
163°	3.1	3.2	3.4	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.3
163.5°	3.1	3.2	3.3	3.6	3.8	3.7	3.7	3.7	3.8	3.6	3.4
164°	3.1	3.2	3.2	3.5	3.8	3.8	3.8	3.8	3.8	3.7	3.4
164.5°	3.1	3.2	3.2	3.5	3.8	3.8	3.8	3.8	3.8	3.7	3.0
165°	3.0	3.2	3.2	3.5	3.8	3.8	3.9	3.9	3.8	3.5	2.8
165.5°	3.0	3.2	3.2	3.4	3.8	3.9	3.9	3.9	3.8	3.0	3.2
166°	3.0	3.2	3.2	3.2	3.7	3.9	3.9	3.9	3.7	3.0	3.4
166.5°	2.9	3.2	3.2	3.2	3.7	3.9	3.9	3.9	3.7	3.5	3.0
167°	2.9	3.4	3.2	3.2	3.6	3.9	3.9	4.0	3.3	3.4	2.6
167.5°	2.9	3.4	3.3	3.1	3.5	3.9	3.9	3.9	3.0	2.8	3.0
168°	3.0	3.4	3.4	3.1	3.5	3.9	3.9	3.9	3.3	2.6	3.3
168.5°	3.1	3.5	3.6	3.1	3.2	3.8	3.8	3.8	3.6	3.3	3.1
169°	3.1	3.4	3.6	3.2	3.1	3.8	3.8	3.8	2.9	3.4	3.1
169.5°	3.0	3.4	3.5	3.3	3.1	3.7	3.8	3.5	2.5	3.3	3.2
170°	3.1	3.3	3.5	3.4	3.0	3.6	3.8	3.0	3.4	3.3	3.2
170.5°	3.1	3.3	3.4	3.5	3.0	3.5	3.7	2.9	3.4	3.4	3.2
171°	3.1	3.2	3.3	3.4	3.0	3.4	3.7	2.9	3.2	3.3	3.1
171.5°	3.1	3.2	3.3	3.4	3.0	3.3	3.6	2.6	3.4	3.3	3.1
172°	3.0	3.1	3.2	3.3	3.2	3.0	3.5	2.7	3.4	3.2	3.1
172.5°	3.0	3.1	3.2	3.3	3.2	2.9	3.4	3.1	3.3	3.2	3.0
173°	3.0	3.1	3.1	3.2	3.2	2.8	3.2	3.1	3.2	3.1	2.9
173.5°	3.0	3.0	3.1	3.2	3.2	2.8	2.8	3.2	3.1	3.0	2.9
174°	2.9	3.0	3.0	3.1	3.1	2.7	2.4	3.1	3.0	2.9	2.8
174.5°	2.9	3.0	3.0	3.0	3.1	2.7	2.2	3.0	2.9	2.8	2.8
175°	2.9	2.9	3.0	3.0	3.0	2.6	2.6	2.9	2.9	2.8	2.8
175.5°	2.9	2.9	2.9	2.9	3.0	2.7	2.9	2.9	2.8	2.8	2.7
176°	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.8	2.7	2.8	2.7
176.5°	2.8	2.9	2.9	2.8	2.8	2.6	2.8	2.7	2.8	2.8	2.7
177°	2.8	2.8	2.7	2.7	2.6	2.7	2.8	2.8	2.7	2.7	2.7
177.5°	2.7	2.7	2.7	2.7	2.7	1.1	2.7	2.7	2.7	2.7	2.7
178°	2.7	2.7	2.7	2.7	2.7	1.6	2.8	2.7	2.7	2.7	2.7
178.5°	2.7	2.7	2.8	2.7	2.5	2.1	2.6	2.7	2.7	2.7	2.7



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1430.2	1430.2	1430.2	1430.2
0.5°	1430.0	1429.9	1429.9	1429.9
1°	1429.7	1429.7	1429.7	1429.7
1.5°	1429.4	1429.5	1429.5	1429.8
2°	1428.2	1428.8	1429.3	1429.5
2.5°	1427.0	1427.3	1428.5	1429.0
3°	1425.9	1426.8	1427.9	1428.0
3.5°	1425.3	1426.6	1426.9	1427.0
4°	1424.3	1425.8	1425.8	1426.4
4.5°	1422.2	1423.9	1424.3	1424.9
5°	1421.1	1422.2	1423.4	1424.0
5.5°	1420.1	1420.6	1422.0	1423.0
6°	1417.8	1419.7	1420.4	1421.9
6.5°	1415.6	1416.9	1418.8	1420.4
7°	1414.5	1415.0	1417.6	1419.0
7.5°	1411.9	1413.6	1414.5	1417.0
8°	1409.1	1411.1	1413.4	1415.5
8.5°	1406.3	1408.5	1411.3	1412.8
9°	1404.0	1405.9	1408.7	1411.3
9.5°	1401.2	1403.4	1406.1	1408.7
10°	1397.8	1400.1	1403.7	1405.9
10.5°	1395.0	1397.9	1400.4	1403.3
11°	1391.7	1395.5	1398.4	1400.4
11.5°	1388.3	1392.1	1395.7	1397.3
12°	1385.1	1388.7	1392.8	1394.4
12.5°	1381.1	1385.1	1389.3	1391.7
13°	1377.1	1381.4	1385.9	1388.4
13.5°	1373.3	1377.7	1382.6	1384.7
14°	1369.3	1374.0	1378.6	1381.2
14.5°	1364.9	1370.6	1374.7	1377.7
15°	1360.5	1366.1	1370.7	1373.7
15.5°	1355.8	1361.5	1366.7	1370.1
16°	1351.0	1357.2	1363.0	1365.7
16.5°	1346.2	1352.5	1359.0	1360.8
17°	1341.6	1347.8	1354.1	1356.2
17.5°	1336.5	1343.2	1348.8	1352.5
18°	1331.5	1338.6	1344.2	1348.3
18.5°	1326.4	1333.7	1339.5	1343.0
19°	1320.7	1328.4	1334.6	1338.0
19.5°	1314.4	1323.1	1329.5	1333.0
20°	1308.8	1317.5	1324.0	1328.0
20.5°	1303.3	1311.6	1318.7	1322.9
21°	1297.8	1305.7	1312.9	1317.9



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1278.2	1287.9	1296.1	1300.4
23°	1271.6	1281.7	1289.7	1295.2
23.5°	1265.0	1275.1	1283.4	1288.6
24°	1258.3	1268.8	1277.2	1282.5
24.5°	1251.2	1262.1	1271.0	1276.6
25°	1244.3	1255.1	1264.5	1270.3
25.5°	1236.6	1248.6	1257.5	1263.5
26°	1230.0	1241.4	1250.8	1256.8
26.5°	1222.4	1234.2	1243.9	1249.9
27°	1214.9	1227.1	1236.6	1243.0
27.5°	1206.9	1220.3	1229.5	1236.1
28°	1199.3	1212.2	1222.4	1228.6
28.5°	1191.2	1204.6	1214.9	1221.4
29°	1182.7	1196.7	1207.5	1214.7
29.5°	1175.3	1188.6	1199.7	1207.2
30°	1167.1	1181.2	1191.9	1199.2
30.5°	1158.4	1172.8	1184.2	1191.7
31°	1149.5	1164.9	1176.3	1184.1
31.5°	1141.5	1156.0	1168.0	1176.1
32°	1132.5	1147.7	1159.6	1167.4
32.5°	1123.9	1139.2	1151.3	1159.1
33°	1115.3	1131.0	1142.8	1151.2
33.5°	1106.6	1122.7	1134.3	1142.6
34°	1097.1	1113.7	1125.7	1133.8
34.5°	1088.2	1104.4	1116.6	1124.8
35°	1079.1	1095.7	1108.1	1116.5
35.5°	1069.5	1086.4	1099.2	1107.9
36°	1060.1	1077.4	1090.0	1098.9
36.5°	1050.6	1067.9	1081.6	1089.6
37°	1041.2	1058.5	1072.6	1080.6
37.5°	1031.8	1049.1	1063.5	1071.8
38°	1022.0	1039.7	1053.5	1063.0
38.5°	1011.3	1030.2	1043.5	1053.1
39°	1001.0	1020.3	1033.5	1042.9
39.5°	991.1	1010.3	1023.8	1032.9
40°	981.1	1000.4	1014.5	1023.1
40.5°	971.2	990.6	1005.0	1013.9
41°	960.7	980.3	994.7	1004.1
41.5°	950.5	969.8	984.9	993.8
42°	939.7	959.7	974.7	984.1
42.5°	929.3	949.5	964.3	974.2
43°	918.7	938.9	953.9	963.9
43.5°	908.2	928.4	943.9	953.1



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	876.0	897.2	912.4	921.8
45.5°	865.5	886.3	901.5	911.6
46°	854.5	875.7	890.9	900.6
46.5°	843.7	864.9	880.0	889.4
47°	833.2	854.1	869.4	878.6
47.5°	821.9	843.4	858.5	868.1
48°	811.2	831.9	847.4	857.5
48.5°	799.8	821.3	836.7	846.3
49°	788.9	810.4	825.8	835.8
49.5°	778.1	799.0	814.6	824.6
50°	766.7	787.9	803.3	813.5
50.5°	755.7	777.0	792.1	802.1
51°	745.1	765.5	781.2	791.1
51.5°	733.9	754.8	770.3	779.8
52°	722.5	743.4	758.6	768.8
52.5°	711.3	732.1	747.6	757.2
53°	700.1	720.9	736.0	746.0
53.5°	689.2	709.6	724.9	734.7
54°	678.1	698.3	713.5	723.4
54.5°	667.1	687.1	702.2	711.8
55°	656.1	675.9	690.8	700.1
55.5°	644.1	664.9	679.3	689.0
56°	633.1	652.8	667.7	677.3
56.5°	622.2	642.0	656.6	665.9
57°	611.2	630.6	645.1	654.9
57.5°	599.7	619.3	633.8	642.9
58°	588.6	607.4	621.9	631.2
58.5°	577.4	596.2	610.5	620.0
59°	566.7	584.8	599.0	608.2
59.5°	555.2	573.5	587.7	596.7
60°	544.1	562.0	576.2	584.9
60.5°	532.7	550.8	564.6	573.4
61°	522.0	539.6	552.9	561.8
61.5°	510.7	528.1	541.3	550.3
62°	499.7	516.8	529.8	538.6
62.5°	488.6	505.7	518.2	527.0
63°	477.9	494.2	506.7	515.4
63.5°	466.7	482.9	495.3	503.9
64°	455.5	471.7	483.6	492.1
64.5°	444.6	460.3	472.4	480.2
65°	434.1	448.9	460.9	468.4
65.5°	422.9	437.9	449.2	456.5
66°	412.5	426.9	437.7	444.6



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	380.0	393.3	403.7	410.0
68°	369.2	381.9	392.0	398.7
68.5°	358.4	371.0	380.4	387.0
69°	348.2	359.7	369.3	375.4
69.5°	337.5	348.7	357.8	364.0
70°	326.9	337.9	346.7	352.4
70.5°	316.3	327.0	335.3	340.9
71°	306.0	316.0	324.2	329.6
71.5°	295.6	305.1	312.8	318.2
72°	285.3	294.3	301.6	307.1
72.5°	274.9	283.7	290.3	295.8
73°	264.8	272.8	279.4	284.3
73.5°	255.0	262.4	268.5	272.8
74°	244.9	251.7	257.6	261.9
74.5°	234.8	241.1	246.6	250.9
75°	225.0	230.4	235.6	239.9
75.5°	215.3	220.3	224.7	228.7
76°	205.8	210.0	214.5	217.8
76.5°	196.1	200.0	203.6	207.1
77°	186.7	189.8	193.3	196.5
77.5°	177.2	180.1	182.8	185.7
78°	168.1	170.0	172.7	175.4
78.5°	159.2	160.5	162.2	164.9
79°	150.3	151.1	152.4	154.6
79.5°	141.6	141.8	142.9	144.4
80°	133.4	133.0	133.6	134.9
80.5°	125.3	124.3	124.3	125.0
81°	117.1	115.5	115.0	115.4
81.5°	109.0	106.7	105.8	106.1
82°	100.8	97.9	96.5	96.9
82.5°	93.2	89.9	87.8	87.5
83°	85.6	82.0	79.6	79.2
83.5°	78.5	74.1	71.3	70.9
84°	71.6	66.6	63.5	63.0
84.5°	65.2	59.6	55.9	55.1
85°	58.8	52.9	48.9	47.9
85.5°	53.0	46.5	42.1	41.7
86°	47.4	40.6	35.8	35.4
86.5°	42.1	35.1	29.8	29.2
87°	37.2	29.8	24.4	23.0
87.5°	32.7	25.1	20.6	17.6
88°	28.6	21.0	16.7	12.8
88.5°	24.8	18.3	12.9	8.6



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	15.9	9.9	3.7	2.7
90.5°	14.3	7.3	2.5	1.5
91°	12.8	6.0	1.8	0.3
91.5°	11.2	5.0	1.4	0.2
92°	9.7	4.3	1.2	0.2
92.5°	8.1	3.9	1.1	0.1
93°	7.4	3.6	1.0	0.1
93.5°	6.8	3.4	1.0	0.2
94°	6.4	3.1	0.9	0.2
94.5°	6.1	2.9	0.9	0.3
95°	5.8	2.8	0.9	0.3
95.5°	5.5	2.8	0.9	0.4
96°	5.2	2.8	0.9	0.4
96.5°	4.9	2.7	0.8	0.5
97°	4.8	2.7	0.8	0.5
97.5°	4.7	2.6	0.8	0.6
98°	4.7	2.5	0.8	0.6
98.5°	4.7	2.4	0.8	0.7
99°	4.6	2.3	0.8	0.7
99.5°	4.6	2.2	0.8	0.8
100°	4.5	2.2	0.9	0.9
100.5°	4.4	2.2	1.0	1.0
101°	4.2	2.2	1.0	1.1
101.5°	4.1	2.2	1.1	1.2
102°	3.9	2.1	1.2	1.3
102.5°	3.8	2.1	1.2	1.3
103°	3.7	2.0	1.3	1.4
103.5°	3.6	1.9	1.3	1.4
104°	3.5	1.8	1.4	1.5
104.5°	3.4	1.8	1.4	1.5
105°	3.3	1.7	1.5	1.5
105.5°	3.3	1.7	1.5	1.5
106°	3.2	1.6	1.6	1.5
106.5°	3.1	1.6	1.9	1.5
107°	3.0	1.5	2.0	1.5
107.5°	2.9	1.5	1.9	1.5
108°	2.8	1.5	1.9	1.5
108.5°	2.6	1.4	1.9	1.5
109°	2.5	1.5	1.8	1.5
109.5°	2.4	1.5	1.8	1.5
110°	2.3	1.5	1.7	1.5
110.5°	2.3	1.5	1.8	1.5
111°	2.2	1.5	1.8	1.5



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	2.1	1.6	1.8	1.6
113°	2.1	1.6	1.8	1.6
113.5°	1.9	1.7	1.8	1.6
114°	1.8	1.7	1.9	1.6
114.5°	1.8	1.8	1.9	1.7
115°	1.8	1.8	1.9	1.7
115.5°	1.7	1.9	1.9	1.7
116°	1.7	1.9	1.9	1.7
116.5°	1.8	1.9	1.9	1.7
117°	1.8	2.0	1.9	1.7
117.5°	1.9	2.2	1.9	1.7
118°	1.9	2.3	1.9	1.7
118.5°	2.0	2.4	1.9	1.7
119°	2.0	2.4	1.9	1.7
119.5°	2.0	2.4	2.0	1.8
120°	2.1	2.4	2.0	1.8
120.5°	2.1	2.4	2.0	1.8
121°	2.1	2.4	2.0	1.8
121.5°	2.2	2.4	2.1	1.8
122°	2.2	2.3	2.1	1.8
122.5°	2.2	2.3	2.1	1.9
123°	2.2	2.3	2.1	1.9
123.5°	2.2	2.2	2.1	1.9
124°	2.2	2.1	2.1	1.9
124.5°	2.3	2.2	2.2	1.9
125°	2.4	2.2	2.2	1.9
125.5°	2.5	2.3	2.2	2.0
126°	2.6	2.4	2.2	2.0
126.5°	2.8	2.5	2.2	2.0
127°	2.9	2.5	2.3	2.0
127.5°	3.0	2.6	2.3	2.0
128°	3.0	2.6	2.3	2.1
128.5°	3.0	2.6	2.3	2.1
129°	3.0	2.6	2.4	2.1
129.5°	2.9	2.6	2.4	2.1
130°	2.9	2.6	2.4	2.1
130.5°	2.9	2.6	2.3	2.1
131°	2.9	2.6	2.1	2.1
131.5°	2.8	2.6	2.1	2.2
132°	2.7	2.5	2.2	2.2
132.5°	2.7	2.6	2.3	2.2
133°	2.6	2.6	2.4	2.2
133.5°	2.6	2.5	2.4	2.2



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	2.6	2.5	2.3	2.2
135.5°	2.6	2.5	2.3	2.2
136°	2.7	2.5	2.4	2.2
136.5°	2.7	2.5	2.4	2.2
137°	2.7	2.5	2.4	2.2
137.5°	2.7	2.5	2.3	2.2
138°	2.7	2.5	2.2	2.2
138.5°	2.7	2.5	2.2	2.2
139°	2.7	2.5	2.3	2.2
139.5°	2.7	2.6	2.3	2.2
140°	2.7	2.6	2.4	2.2
140.5°	2.7	2.6	2.4	2.3
141°	2.7	2.6	2.4	2.3
141.5°	2.7	2.6	2.4	2.3
142°	2.7	2.7	2.4	2.3
142.5°	2.7	2.7	2.4	2.3
143°	2.7	2.7	2.4	2.3
143.5°	2.7	2.7	2.4	2.3
144°	2.8	2.7	2.4	2.3
144.5°	2.8	2.7	2.4	2.3
145°	2.8	2.7	2.4	2.3
145.5°	2.8	2.7	2.4	2.3
146°	2.8	2.8	2.4	2.3
146.5°	2.8	2.8	2.4	2.2
147°	2.8	2.8	2.3	2.2
147.5°	2.8	2.8	2.4	2.2
148°	2.8	2.8	2.4	2.2
148.5°	2.8	2.8	2.4	2.3
149°	2.9	2.8	2.4	2.2
149.5°	2.9	2.8	2.4	2.2
150°	2.9	2.8	2.4	2.2
150.5°	2.9	2.8	2.3	2.2
151°	2.9	2.8	2.3	2.1
151.5°	2.9	2.8	2.3	2.0
152°	2.9	2.8	2.3	2.0
152.5°	2.9	2.8	2.3	2.0
153°	2.9	2.7	2.2	2.0
153.5°	3.0	2.7	2.1	1.8
154°	3.0	2.7	2.0	1.7
154.5°	3.0	2.6	2.0	1.6
155°	3.0	2.6	2.0	1.6
155.5°	3.0	2.5	1.9	1.7
156°	3.0	2.4	1.7	1.6



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	3.0	2.4	1.7	1.5
158°	3.0	2.3	1.7	1.5
158.5°	3.0	2.3	1.6	1.5
159°	3.0	2.3	1.6	1.5
159.5°	3.1	2.3	1.6	1.5
160°	3.1	2.3	1.6	1.5
160.5°	3.1	2.3	1.6	1.5
161°	3.1	2.3	1.6	1.5
161.5°	3.1	2.3	1.6	1.5
162°	3.1	2.3	1.6	1.5
162.5°	3.1	2.2	1.6	1.5
163°	3.0	2.1	1.5	1.5
163.5°	3.1	2.0	1.5	1.6
164°	3.1	2.0	1.5	1.6
164.5°	2.8	2.0	1.5	1.6
165°	2.6	1.9	1.5	1.6
165.5°	2.9	1.8	1.5	1.6
166°	2.9	1.7	1.5	1.6
166.5°	2.6	1.7	1.6	1.6
167°	2.3	1.7	1.6	1.6
167.5°	2.7	1.9	1.6	1.6
168°	2.9	2.1	1.6	1.6
168.5°	2.7	2.1	1.7	1.6
169°	2.7	2.1	1.7	1.7
169.5°	2.8	2.2	1.8	1.7
170°	2.7	2.2	2.1	1.8
170.5°	2.7	2.3	2.2	2.0
171°	2.9	2.5	2.2	2.2
171.5°	2.9	2.6	2.3	2.3
172°	2.8	2.6	2.5	2.3
172.5°	2.8	2.6	2.5	2.4
173°	2.8	2.7	2.5	2.4
173.5°	2.8	2.7	2.6	2.4
174°	2.7	2.7	2.6	2.5
174.5°	2.7	2.7	2.7	2.6
175°	2.7	2.7	2.7	2.6
175.5°	2.7	2.7	2.7	2.7
176°	2.7	2.7	2.7	2.7
176.5°	2.7	2.7	2.7	2.7
177°	2.7	2.7	2.7	2.7
177.5°	2.7	2.7	2.7	2.7
178°	2.7	2.7	2.7	2.7
178.5°	2.7	2.7	2.7	2.7



TEST NUMBER: P563563

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	2.5	2.5	2.5	2.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	1312.4	1315.5	1315.2	1312.8	1308.0	1302.3	1296.3	1291.2	1286.9	1284.8	1283.9
22°	1306.2	1309.6	1309.5	1306.7	1302.0	1296.1	1289.4	1284.2	1280.3	1277.4	1276.8



44°	942.8	946.3	941.8	931.8	915.7	895.8	875.7	858.3	845.6	839.3	840.2
44.5°	932.4	935.3	931.6	921.0	904.9	884.6	864.8	847.2	834.5	828.3	828.3



66.5°	433.0	437.0	436.0	429.9	420.1	406.4	393.9	382.8	374.8	370.1	368.9
67°	421.4	425.1	424.7	419.2	409.4	396.5	384.6	373.6	365.6	361.2	360.3



89°	5.3	10.4	19.9	30.7	40.9	47.9	53.6	56.9	58.1	57.6	55.5
89.5°	4.0	7.3	16.3	26.8	36.8	44.4	50.0	52.9	54.2	53.8	51.7



111.5°	1.5	1.5	1.3	1.1	1.5	2.4	3.4	4.5	5.2	5.4	5.2
112°	1.6	1.5	1.3	1.2	1.5	2.2	3.3	4.3	4.9	5.1	5.0



134°	2.2	2.2	2.2	2.7	2.7	2.4	2.4	2.4	2.5	2.6	2.7
134.5°	2.2	2.3	2.2	2.7	2.8	2.5	2.5	2.5	2.5	2.6	2.7



156.5°	1.5	2.3	2.7	2.7	2.7	2.7	2.8	3.1	3.3	3.4	3.5
157°	1.5	2.3	2.7	2.7	2.7	2.7	2.8	3.0	3.2	3.3	3.4



179°	2.7	2.6	2.5	2.3	2.1	2.0	2.2	2.3	2.5	2.7	2.6
179.5°	2.4	2.4	2.3	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5





21.5°	1285.2	1288.5	1291.6	1295.4	1298.9	1300.5	1300.6	1298.9	1295.0	1288.9	1281.2
22°	1278.0	1281.2	1285.1	1289.3	1293.2	1294.4	1294.7	1293.1	1288.6	1282.4	1274.5



44°	846.3	858.9	875.2	890.4	904.1	913.9	917.7	916.1	909.5	897.2	879.3
44.5°	835.4	848.2	864.1	879.1	893.2	903.1	906.4	905.7	899.1	886.4	868.2



66.5°	371.5	377.2	385.0	392.8	399.7	404.3	403.3	402.5	397.6	390.5	380.2
67°	362.7	367.8	375.2	382.4	388.6	392.3	392.1	391.0	386.3	379.3	369.6



89°	51.8	46.5	40.0	30.5	20.5	10.9	4.4	0.7	3.6	10.1	16.7
89.5°	48.4	43.2	36.2	27.1	17.6	8.8	3.4	0.6	2.7	7.6	15.1



111.5°	4.5	3.6	2.6	1.9	2.0	2.4	2.9	2.7	3.1	2.3	2.7
112°	4.3	3.4	2.5	1.9	2.0	2.5	3.0	2.7	3.2	2.3	2.6



134°	2.9	3.2	3.7	4.6	4.7	3.7	3.3	3.0	3.8	4.0	3.6
134.5°	2.9	3.3	3.8	4.7	4.6	3.7	3.3	3.0	3.8	4.0	3.6



156.5°	3.4	3.2	3.1	3.2	3.2	3.0	2.9	2.5	2.7	3.0	3.3
157°	3.3	3.1	3.1	3.2	3.1	3.0	2.7	2.5	2.6	3.0	3.3



179°	2.5	2.4	2.3	2.3	2.3	2.4	2.4	2.4	2.5	2.6	2.6
179.5°	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3





21.5°	1272.8	1263.8	1256.5	1250.4	1247.3	1246.6	1248.4	1253.9	1261.6	1271.6	1281.7
22°	1266.1	1256.4	1248.5	1243.1	1239.9	1238.4	1240.9	1245.7	1254.0	1264.1	1274.8



44°	859.3	837.2	817.6	801.9	792.4	789.9	794.8	807.2	826.1	849.0	874.5
44.5°	848.6	825.8	806.4	790.9	780.9	778.4	783.5	796.3	815.1	838.2	863.1



66.5°	368.8	357.1	346.9	339.3	334.9	334.5	337.9	345.3	356.1	370.1	385.6
67°	358.4	347.2	337.8	330.6	326.5	326.0	328.9	336.5	346.8	360.2	375.4



89°	24.3	31.1	36.6	40.5	43.1	44.1	44.0	42.4	39.4	34.8	28.7
89.5°	21.7	28.3	33.7	37.6	40.1	41.1	40.9	39.3	36.2	31.6	25.5



111.5°	4.2	6.0	7.4	8.3	8.9	9.1	8.9	8.1	6.8	5.4	3.7
112°	4.1	5.8	7.2	8.1	8.7	8.9	8.7	7.9	6.6	5.3	3.6



134°	3.4	2.9	2.6	2.4	2.3	2.2	2.3	2.3	2.4	2.6	2.9
134.5°	3.5	3.0	2.6	2.4	2.3	2.3	2.3	2.3	2.4	2.6	3.0



156.5°	3.6	3.6	3.4	3.3	3.2	3.3	3.3	3.2	3.2	3.1	3.0
157°	3.7	3.6	3.4	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1



179°	2.6	2.6	2.4	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.7
179.5°	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.6





21.5°	1291.3	1300.3	1307.2	1312.4
22°	1284.5	1294.7	1302.0	1306.2



44°	897.7	918.3	933.0	942.8
44.5°	887.5	907.4	922.8	932.4



66.5°	401.4	415.7	426.3	433.0
67°	390.5	404.5	415.2	421.4



89°	21.5	15.5	9.0	5.3
89.5°	18.5	12.7	5.4	4.0



111.5°	2.1	1.5	1.8	1.5
112°	2.1	1.6	1.8	1.6



134°	2.6	2.5	2.4	2.2
134.5°	2.6	2.5	2.4	2.2



156.5°	3.0	2.4	1.7	1.5
157°	3.0	2.4	1.7	1.5



179°	2.7	2.7	2.7	2.7
179.5°	2.6	2.5	2.5	2.4



(END OF REPORT)