

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: P563562

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

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563562
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-4000K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING
Light Source: -
Ballast/Driver:

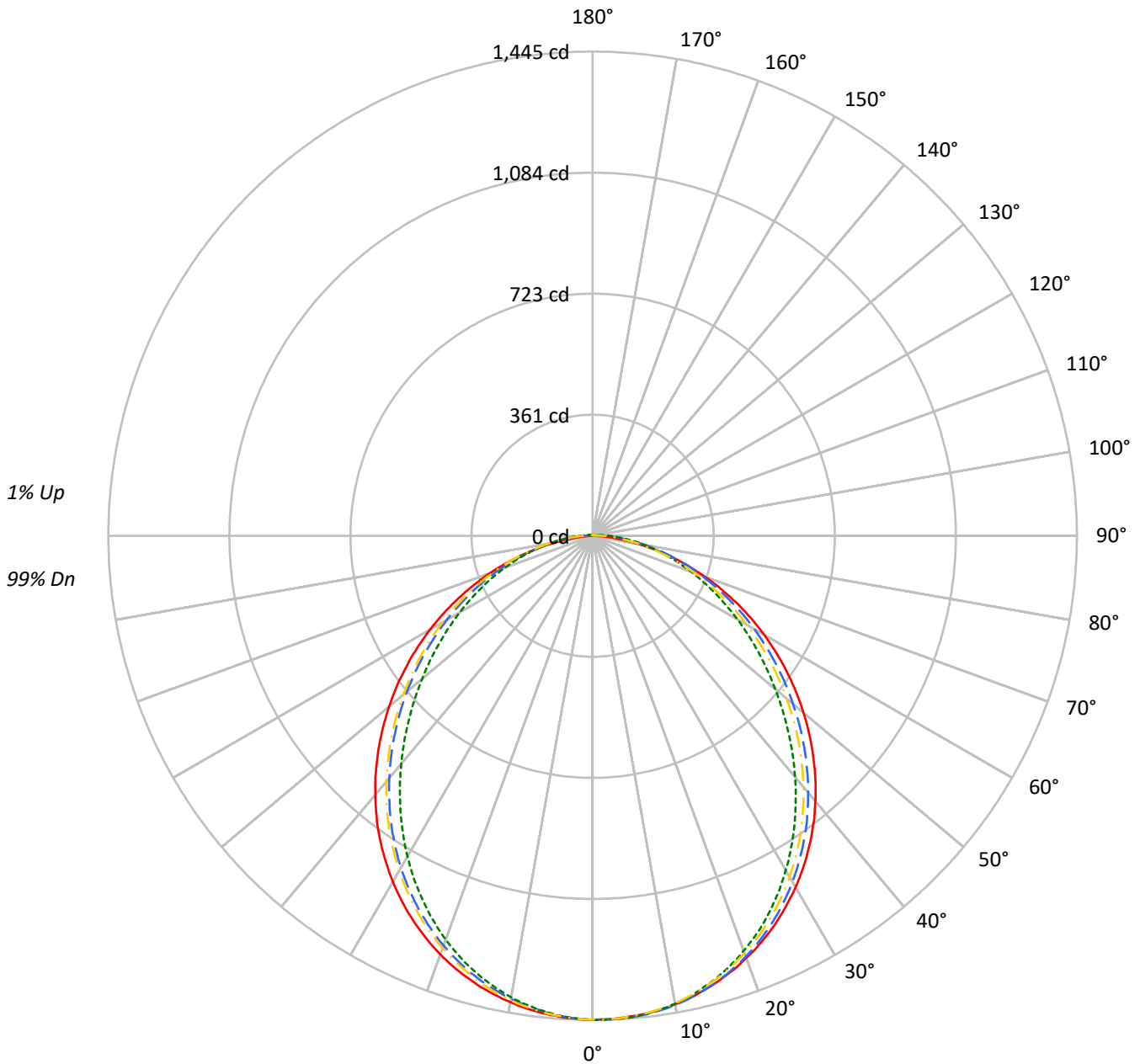
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3766.0 lumens
Efficiency: N/A
Efficacy: 135.5 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): 27.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8780	8780	8780	8780
5°	8759	8648	8744	8584
10°	8731	8475	8694	8359
15°	8682	8252	8623	8082
20°	8611	7981	8534	7765
25°	8522	7667	8415	7399
30°	8400	7300	8267	6998
35°	8247	6889	8088	6557
40°	8059	6443	7870	6091
45°	7840	5974	7615	5610
50°	7582	5497	7314	5133
55°	7278	5040	6968	4666
60°	6932	4585	6568	4208
65°	6515	4121	6085	3742
70°	5984	3657	5469	3261
75°	5279	3174	4636	2746
80°	4269	2655	3473	2204
85°	2728	2121	1753	1684



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	3.6
10°-20°	386.9	10.3
20°-30°	574.7	15.3
30°-40°	669.8	17.8
40°-50°	663.1	17.6
50°-60°	569.5	15.1
60°-70°	416.8	11.1
70°-80°	236.6	6.3
80°-90°	78.8	2.1
90°-100°	14.3	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°	1.5	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	1097.9	29.2
0°-40°	1767.8	46.9
0°-60°	3000.4	79.7
0°-90°	3732.6	99.1
90°-120°	23.9	0.6
90°-150°	30.9	0.8
90°-180°	33.0	0.9
0°-180°	3766.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1444	1444	1444	1444	1444	
5°	1438	1440	1436	1430	1438	137
15°	1387	1377	1378	1349	1387	391
25°	1283	1243	1267	1200	1283	591
35°	1128	1050	1106	1000	1128	705
45°	931	825	904	775	931	718
55°	707	603	677	558	707	632
65°	473	402	442	365	473	468
75°	242	230	213	199	242	257
85°	48	96	31	76	48	58
90°	3	51	1	39	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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4
0.5°	1444.1	1444.1	1444.2	1444.4	1444.5	1444.6	1444.7	1444.8	1444.8	1444.8	1444.8
1°	1443.9	1444.1	1444.3	1444.6	1444.8	1444.9	1444.9	1444.9	1444.4	1444.0	1444.3
1.5°	1444.0	1444.5	1444.6	1444.1	1443.9	1444.1	1444.6	1444.9	1444.5	1445.1	1445.3
2°	1443.7	1444.1	1444.1	1444.1	1444.4	1444.8	1445.2	1445.2	1444.4	1444.5	1444.7
2.5°	1443.2	1443.5	1443.6	1443.7	1443.7	1443.3	1443.5	1443.3	1444.8	1443.9	1443.3
3°	1442.1	1442.4	1443.1	1443.4	1443.7	1443.8	1444.1	1444.4	1443.9	1443.7	1443.8
3.5°	1441.2	1441.9	1442.5	1443.6	1443.1	1443.5	1443.5	1443.1	1443.5	1442.6	1442.2
4°	1440.6	1441.8	1441.4	1442.8	1442.4	1442.7	1442.6	1442.3	1441.6	1443.2	1441.8
4.5°	1439.0	1440.2	1440.6	1441.4	1442.2	1442.1	1441.5	1442.1	1441.6	1441.7	1440.3
5°	1438.1	1439.2	1439.7	1440.2	1441.0	1441.0	1439.7	1440.2	1440.6	1440.5	1439.3
5.5°	1437.2	1438.2	1438.8	1439.0	1439.5	1439.1	1438.6	1438.6	1439.2	1438.9	1437.5
6°	1436.0	1437.0	1437.2	1437.9	1438.7	1438.0	1437.6	1437.2	1437.4	1437.0	1435.5
6.5°	1434.5	1435.7	1435.9	1436.3	1437.2	1436.5	1436.7	1435.7	1435.7	1435.6	1434.0
7°	1433.1	1433.7	1434.9	1434.6	1434.6	1433.8	1435.0	1433.7	1433.5	1433.4	1432.3
7.5°	1431.0	1431.8	1432.8	1433.6	1433.5	1432.8	1432.4	1431.8	1431.3	1430.2	1430.2
8°	1429.6	1429.6	1431.2	1431.4	1431.3	1430.8	1430.2	1429.8	1429.3	1428.6	1428.1
8.5°	1426.9	1427.2	1429.3	1429.0	1429.3	1428.9	1428.0	1427.5	1426.6	1426.0	1424.9
9°	1425.3	1426.6	1426.7	1427.3	1427.3	1426.8	1425.2	1425.0	1423.9	1424.3	1422.2
9.5°	1422.7	1424.0	1425.0	1424.7	1425.0	1423.7	1422.1	1422.0	1421.4	1419.9	1419.4
10°	1419.8	1421.5	1422.3	1422.4	1422.1	1421.2	1419.6	1418.6	1418.1	1418.4	1417.0
10.5°	1417.2	1418.6	1419.9	1420.0	1419.4	1418.3	1416.4	1415.4	1414.8	1414.6	1413.5
11°	1414.2	1415.2	1416.9	1416.9	1416.4	1415.8	1412.9	1412.5	1412.2	1411.2	1410.1
11.5°	1411.2	1413.1	1413.8	1414.2	1413.0	1412.5	1409.7	1409.4	1408.4	1407.8	1406.5
12°	1408.2	1410.0	1411.3	1411.4	1410.0	1408.9	1406.9	1405.7	1403.7	1404.1	1402.1
12.5°	1405.5	1406.8	1408.1	1408.2	1406.3	1405.5	1403.4	1401.9	1400.2	1399.8	1398.7
13°	1402.1	1404.0	1405.0	1404.5	1402.4	1402.1	1399.3	1398.1	1396.6	1395.1	1394.5
13.5°	1398.4	1400.6	1401.6	1401.2	1399.0	1398.2	1394.7	1393.6	1392.2	1390.6	1389.3
14°	1394.9	1397.0	1397.9	1398.0	1395.2	1393.6	1391.1	1389.3	1387.7	1385.9	1385.3
14.5°	1391.4	1393.4	1394.2	1394.2	1390.9	1389.8	1387.3	1384.7	1382.4	1381.9	1380.0
15°	1387.4	1389.7	1390.3	1389.9	1387.4	1385.7	1382.5	1380.1	1378.0	1377.2	1376.1
15.5°	1383.7	1385.9	1386.0	1385.3	1383.5	1381.5	1377.3	1375.8	1373.0	1372.3	1370.6
16°	1379.2	1382.0	1382.3	1381.3	1378.8	1376.5	1372.8	1370.5	1368.3	1366.6	1365.0
16.5°	1374.3	1377.7	1378.4	1377.3	1374.2	1371.7	1367.6	1365.0	1362.9	1360.7	1360.2
17°	1369.7	1373.5	1373.5	1372.9	1370.1	1366.9	1362.8	1359.5	1357.0	1355.9	1355.2
17.5°	1365.9	1368.7	1369.0	1368.0	1365.2	1361.6	1356.7	1354.1	1351.0	1350.4	1348.8
18°	1361.7	1363.8	1364.5	1363.2	1359.9	1356.5	1351.7	1348.5	1345.4	1343.7	1343.1
18.5°	1356.4	1359.8	1360.1	1358.6	1355.0	1351.2	1346.0	1342.4	1339.9	1337.7	1336.9
19°	1351.3	1355.1	1355.4	1353.3	1349.9	1345.5	1340.7	1336.4	1333.3	1331.4	1331.1
19.5°	1346.3	1349.6	1349.8	1348.0	1344.2	1339.5	1334.3	1330.4	1326.6	1325.8	1323.5
20°	1341.2	1344.3	1344.3	1342.6	1338.7	1333.7	1327.8	1323.8	1320.5	1318.0	1317.4
20.5°	1336.1	1339.3	1339.2	1337.2	1333.1	1328.0	1321.6	1317.1	1314.0	1311.6	1310.4
21°	1331.0	1334.1	1333.8	1331.5	1326.8	1321.7	1315.6	1310.4	1307.3	1304.3	1303.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1313.3	1316.6	1316.8	1313.6	1308.8	1302.5	1295.4	1289.7	1285.5	1283.1	1281.6
23°	1308.0	1310.8	1310.5	1307.5	1302.4	1296.0	1288.6	1282.5	1277.9	1276.3	1274.5
23.5°	1301.4	1304.9	1304.5	1301.2	1296.0	1288.9	1281.6	1274.8	1270.2	1267.8	1266.6
24°	1295.2	1298.8	1298.5	1294.6	1289.0	1282.0	1273.7	1267.1	1262.4	1260.0	1259.0
24.5°	1289.3	1292.4	1291.9	1288.3	1281.9	1274.7	1267.2	1259.9	1254.4	1251.8	1250.5
25°	1282.9	1286.3	1285.2	1281.6	1275.3	1267.3	1259.5	1252.0	1246.3	1243.1	1242.5
25.5°	1276.0	1279.4	1278.7	1274.6	1268.8	1260.0	1251.4	1243.8	1238.4	1235.2	1233.9
26°	1269.3	1272.1	1271.9	1267.2	1261.5	1252.2	1243.3	1235.3	1229.4	1225.9	1225.7
26.5°	1262.3	1265.6	1264.2	1260.6	1253.4	1244.4	1235.0	1227.1	1221.0	1217.9	1216.6
27°	1255.3	1259.2	1257.3	1252.9	1245.8	1236.8	1227.0	1218.6	1212.4	1208.4	1208.4
27.5°	1248.4	1252.0	1250.7	1245.3	1238.2	1228.4	1219.5	1209.9	1202.9	1200.2	1199.3
28°	1240.8	1244.8	1243.5	1238.1	1230.5	1220.4	1209.9	1201.5	1194.3	1190.8	1189.7
28.5°	1233.5	1237.3	1236.1	1230.8	1223.0	1212.5	1201.5	1192.6	1184.6	1180.7	1180.3
29°	1226.7	1230.1	1228.6	1222.9	1214.4	1203.9	1193.1	1183.4	1176.4	1172.3	1171.2
29.5°	1219.2	1222.7	1220.7	1215.4	1206.3	1195.4	1184.7	1174.2	1166.0	1162.6	1162.6
30°	1211.1	1214.3	1212.9	1206.8	1198.1	1186.6	1175.1	1165.0	1156.9	1152.7	1153.0
30.5°	1203.6	1206.6	1205.0	1199.3	1189.7	1177.6	1166.1	1155.6	1146.3	1143.2	1142.5
31°	1195.8	1199.2	1196.8	1191.2	1181.6	1169.1	1156.5	1145.9	1137.6	1133.5	1132.4
31.5°	1187.7	1191.3	1188.9	1182.4	1173.0	1160.4	1147.2	1135.9	1127.6	1123.2	1122.2
32°	1179.0	1182.5	1180.4	1173.6	1163.8	1150.8	1137.9	1126.5	1117.6	1112.8	1112.5
32.5°	1170.6	1174.1	1172.0	1164.7	1154.8	1141.5	1128.5	1116.8	1108.3	1102.6	1102.5
33°	1162.6	1166.0	1163.4	1156.8	1145.8	1132.6	1119.1	1106.6	1097.8	1092.7	1092.4
33.5°	1154.0	1157.3	1154.9	1148.1	1137.1	1123.2	1109.3	1096.9	1087.1	1082.0	1081.8
34°	1145.1	1149.0	1146.2	1138.8	1128.0	1113.3	1098.9	1086.4	1076.8	1071.4	1071.3
34.5°	1136.0	1140.1	1137.4	1129.9	1118.8	1103.7	1088.9	1075.5	1066.0	1061.1	1060.5
35°	1127.6	1131.3	1128.8	1121.0	1109.0	1094.0	1079.1	1065.2	1055.0	1050.3	1050.2
35.5°	1118.9	1122.2	1120.1	1111.9	1099.4	1083.9	1068.7	1054.9	1044.4	1039.7	1039.4
36°	1109.8	1113.7	1110.3	1102.7	1090.1	1074.1	1058.6	1044.4	1033.5	1029.0	1028.5
36.5°	1100.4	1104.0	1101.2	1092.7	1080.7	1064.4	1048.3	1033.6	1022.9	1017.4	1018.0
37°	1091.3	1094.5	1091.8	1083.5	1070.8	1054.4	1038.0	1023.2	1011.4	1006.6	1006.9
37.5°	1082.4	1085.1	1082.3	1074.1	1060.8	1044.2	1027.3	1012.3	1000.9	995.6	995.7
38°	1073.6	1075.7	1073.3	1064.0	1050.9	1033.7	1016.6	1001.4	990.2	984.2	984.1
38.5°	1063.6	1066.3	1062.8	1054.2	1040.6	1023.4	1005.9	990.3	979.1	973.8	973.3
39°	1053.2	1056.7	1053.4	1044.3	1030.5	1013.1	995.4	979.4	968.3	962.1	961.7
39.5°	1043.1	1047.3	1043.6	1034.5	1020.0	1002.2	984.7	968.4	956.5	951.2	951.2
40°	1033.3	1037.2	1034.0	1023.9	1009.9	991.4	973.3	957.5	945.3	939.7	939.8
40.5°	1024.0	1027.1	1024.0	1014.1	999.4	980.9	962.4	946.1	933.8	928.3	927.9
41°	1014.0	1017.0	1013.9	1003.8	989.0	970.0	951.5	935.1	922.6	917.1	916.4
41.5°	1003.7	1006.8	1003.3	993.8	978.4	959.4	940.2	923.6	910.6	905.3	905.2
42°	993.8	997.2	993.4	982.9	968.1	948.8	929.8	912.5	899.9	894.5	893.7
42.5°	983.9	986.9	983.0	973.0	956.8	937.7	918.6	901.4	888.5	882.7	882.2
43°	973.4	976.4	972.6	961.8	946.2	926.6	907.3	889.9	877.1	871.5	871.0
43.5°	962.6	966.2	962.0	951.7	935.9	915.8	895.9	878.5	865.5	859.7	859.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	931.0	934.2	930.1	919.1	903.3	882.4	862.3	844.4	831.1	825.2	825.0
45.5°	920.7	923.6	919.3	908.2	891.8	871.3	851.1	833.0	820.1	813.5	813.6
46°	909.6	912.9	908.7	897.4	880.7	860.0	839.4	821.6	809.0	801.7	802.4
46.5°	898.2	901.7	897.6	886.4	869.6	848.7	827.9	810.2	796.9	791.0	791.1
47°	887.3	891.1	887.3	875.4	858.7	837.4	816.6	798.6	785.3	779.5	779.3
47.5°	876.7	879.9	876.1	864.9	847.9	826.3	805.7	786.9	774.0	768.1	767.8
48°	866.1	869.1	864.9	854.0	836.9	814.9	794.3	775.8	763.0	756.3	756.9
48.5°	854.7	857.6	853.5	842.6	825.5	803.8	783.3	764.6	751.2	745.4	745.6
49°	844.0	847.4	842.3	830.8	814.2	792.6	771.7	753.4	740.2	733.8	733.8
49.5°	832.8	835.8	832.1	820.1	802.7	781.2	760.6	742.0	728.7	722.6	722.9
50°	821.6	825.0	820.5	809.2	791.3	769.7	749.5	730.7	718.1	711.2	711.5
50.5°	810.0	813.6	809.3	798.1	780.4	758.6	738.0	719.3	706.2	700.2	700.0
51°	798.9	802.3	797.7	786.1	769.2	747.3	726.8	708.5	695.8	688.9	688.6
51.5°	787.5	791.0	786.5	775.3	757.9	736.1	715.3	697.2	684.1	678.7	678.0
52°	776.5	779.9	775.5	763.8	746.5	725.1	704.4	686.4	673.4	666.9	667.1
52.5°	764.8	768.1	763.5	752.4	735.1	713.4	693.2	675.3	662.7	656.4	656.2
53°	753.4	756.9	752.5	740.9	723.6	702.2	681.9	664.3	651.9	645.1	644.9
53.5°	742.0	745.2	740.8	729.7	712.2	691.1	671.0	653.4	640.1	634.8	634.0
54°	730.6	733.6	729.6	718.5	701.1	679.8	660.0	642.3	629.8	623.4	623.7
54.5°	718.9	722.3	717.9	706.9	690.2	668.5	648.5	631.3	618.7	612.8	612.7
55°	707.1	710.9	706.7	695.6	678.4	657.1	637.5	620.4	608.3	602.9	601.7
55.5°	695.9	699.2	694.9	684.4	667.5	646.4	626.6	609.3	597.3	591.8	590.9
56°	684.0	687.5	683.7	672.8	656.2	635.6	616.1	598.6	586.9	581.0	580.7
56.5°	672.5	676.1	672.1	661.4	645.1	624.4	604.9	588.1	576.5	570.7	570.3
57°	661.4	664.3	660.4	649.9	633.4	613.2	594.0	577.5	565.6	560.4	559.7
57.5°	649.3	653.2	648.4	638.7	622.6	602.5	583.3	566.7	555.5	549.8	549.2
58°	637.5	641.1	637.7	626.8	610.6	591.5	572.7	556.5	545.1	539.1	539.3
58.5°	626.1	629.5	625.6	615.7	599.8	580.2	561.7	545.8	534.8	529.2	528.8
59°	614.2	618.3	614.2	604.3	588.7	569.4	551.0	535.2	524.9	519.5	518.6
59.5°	602.6	606.1	602.5	593.0	577.5	558.5	540.6	525.4	514.8	509.8	508.0
60°	590.7	594.5	591.2	581.4	566.1	547.7	529.9	515.3	504.7	499.6	498.0
60.5°	579.1	582.5	579.5	570.2	555.7	537.0	520.0	505.4	494.6	489.4	488.0
61°	567.4	570.6	567.8	558.9	544.7	526.5	506.8	495.0	484.4	479.1	478.0
61.5°	555.7	559.5	556.0	546.9	533.1	515.5	496.2	484.6	474.2	468.9	468.0
62°	543.9	547.8	545.0	536.0	521.7	504.5	486.5	474.4	464.0	458.7	458.0
62.5°	532.2	535.8	533.5	525.0	511.1	493.9	476.8	464.1	453.9	448.7	448.0
63°	520.5	524.3	521.7	513.6	500.1	483.3	467.1	453.9	444.3	439.3	438.5
63.5°	508.9	512.3	510.1	501.8	489.0	472.8	457.5	444.1	434.7	429.8	429.1
64°	497.0	500.4	498.1	491.8	477.9	462.2	447.1	434.6	425.2	420.4	419.5
64.5°	485.0	488.6	486.6	488.0	467.1	451.6	437.3	424.7	415.7	410.8	409.8
65°	473.1	476.7	475.0	474.5	457.0	441.1	427.4	415.1	406.2	401.7	400.6
65.5°	461.0	464.8	463.4	461.0	446.0	430.6	417.3	405.5	396.9	392.2	391.1
66°	449.0	453.0	451.9	447.5	435.0	420.5	407.4	395.9	387.8	383.0	382.1



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	414.1	417.8	417.4	412.1	402.8	390.3	378.4	368.3	360.3	355.8	354.7
68°	402.6	406.3	405.8	401.2	392.2	380.3	368.7	358.9	351.5	347.1	345.9
68.5°	390.8	394.7	394.8	389.8	381.6	370.2	359.4	349.7	342.6	338.5	336.5
69°	379.1	383.2	383.4	379.5	371.2	360.1	350.0	340.7	333.3	329.5	328.1
69.5°	367.6	372.0	372.1	368.6	361.1	350.3	340.5	331.5	324.6	320.6	319.2
70°	355.9	360.3	360.9	357.8	350.7	340.7	331.2	322.4	315.9	311.8	310.5
70.5°	344.3	348.7	349.7	346.8	340.8	331.2	322.1	313.8	307.5	303.5	301.8
71°	332.9	337.0	338.6	336.3	330.3	321.4	312.9	305.0	299.0	295.1	293.5
71.5°	321.4	325.9	327.2	325.4	320.2	311.8	303.9	296.4	290.2	286.6	285.1
72°	310.1	314.5	316.4	314.7	310.1	302.3	294.6	287.6	281.8	278.0	276.5
72.5°	298.7	303.0	305.4	304.2	299.8	292.7	285.8	278.8	273.4	270.1	268.2
73°	287.1	291.8	294.7	294.0	290.2	283.2	276.8	270.3	265.2	261.7	259.8
73.5°	275.5	280.7	283.5	283.5	280.2	274.5	268.0	261.9	256.9	253.6	251.7
74°	264.5	269.2	272.7	273.3	270.5	265.1	259.3	253.5	248.9	245.4	243.6
74.5°	253.3	258.4	261.9	262.8	260.8	255.7	250.8	245.3	240.9	237.6	236.0
75°	242.2	247.3	251.3	252.6	251.1	246.7	242.1	237.2	232.9	229.7	227.8
75.5°	230.9	236.5	240.5	242.4	241.7	237.8	233.6	229.0	224.8	222.0	220.1
76°	220.0	225.4	230.0	232.6	231.9	228.7	225.3	221.0	217.2	214.3	212.2
76.5°	209.2	214.8	219.6	222.5	222.7	220.1	216.8	212.9	209.5	206.8	204.6
77°	198.4	203.8	209.3	212.6	213.5	211.5	208.7	205.0	201.8	199.0	196.9
77.5°	187.5	193.4	199.1	202.8	204.3	202.9	200.5	197.4	194.2	191.7	189.5
78°	177.2	182.9	188.8	193.4	195.2	194.5	192.6	189.7	187.0	184.5	182.3
78.5°	166.5	172.7	178.7	183.8	186.3	186.1	184.5	182.2	179.8	177.2	175.1
79°	156.1	162.4	169.0	174.5	177.4	177.7	176.8	174.7	172.5	170.1	167.9
79.5°	145.9	152.0	159.2	165.1	168.7	169.6	169.3	167.4	165.4	163.3	160.9
80°	136.3	142.2	149.4	156.1	160.2	161.6	161.5	160.2	158.5	156.5	154.1
80.5°	126.3	132.5	140.2	147.1	151.7	153.7	154.1	153.2	151.7	149.5	147.4
81°	116.6	123.0	130.9	138.3	143.5	146.0	147.0	146.3	145.0	143.0	140.8
81.5°	107.1	113.6	121.9	129.6	135.4	138.3	139.9	139.6	138.6	136.7	134.4
82°	97.9	104.3	112.9	121.2	127.4	131.0	132.9	133.0	132.2	130.3	128.0
82.5°	88.4	95.4	104.4	112.9	119.6	123.9	126.0	126.5	125.8	124.0	121.7
83°	80.0	86.7	95.8	104.9	112.0	116.8	119.4	120.1	119.6	118.2	115.8
83.5°	71.6	78.3	87.6	97.2	104.8	109.8	113.0	114.0	113.9	112.2	109.9
84°	63.6	70.3	79.6	89.5	97.6	103.2	106.7	108.1	107.9	106.5	104.2
84.5°	55.7	62.4	72.2	82.2	90.7	96.7	100.4	102.2	102.2	101.0	98.7
85°	48.4	54.9	64.7	75.1	84.1	90.4	94.5	96.5	96.8	95.6	93.3
85.5°	42.1	48.2	57.9	68.5	77.7	84.4	88.7	90.9	91.3	90.2	88.0
86°	35.8	42.1	51.1	62.1	71.6	78.7	83.2	85.6	86.1	85.1	82.9
86.5°	29.5	36.0	45.7	55.9	65.7	73.1	77.8	80.5	81.2	80.2	78.0
87°	23.2	29.9	40.3	49.7	60.1	67.6	72.7	75.6	76.3	75.7	73.3
87.5°	17.8	23.7	35.0	45.1	54.7	62.5	67.7	70.7	71.6	71.0	68.8
88°	12.9	18.7	29.6	40.4	49.5	57.6	63.0	66.1	67.2	66.5	64.3
88.5°	8.7	14.3	24.2	35.7	45.4	52.8	58.4	61.7	62.9	62.3	60.2



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	2.8	5.1	13.4	23.4	33.1	41.2	47.0	49.8	51.2	50.6	49.1
90.5°	1.5	4.1	10.8	20.2	29.5	37.5	43.6	46.7	48.1	47.6	46.0
91°	0.3	3.2	8.7	17.3	26.3	34.0	40.1	43.5	45.0	44.6	42.9
91.5°	0.2	2.3	7.0	15.0	23.4	30.8	36.5	40.3	41.9	41.5	39.7
92°	0.2	1.4	5.8	12.9	20.8	27.9	33.4	37.1	38.7	38.5	36.6
92.5°	0.1	1.1	5.1	11.1	18.5	25.3	30.6	34.1	35.7	35.5	33.9
93°	0.1	0.9	4.5	9.6	16.5	23.0	28.1	31.5	33.1	33.0	31.4
93.5°	0.2	0.7	3.9	8.4	14.7	20.8	25.8	29.1	30.6	30.5	29.1
94°	0.2	0.6	3.3	7.4	13.1	18.8	23.6	26.8	28.4	28.4	27.0
94.5°	0.3	0.5	3.0	6.7	11.8	17.1	21.6	24.7	26.3	26.3	25.0
95°	0.3	0.5	2.7	6.1	10.6	15.6	19.8	22.9	24.4	24.4	23.1
95.5°	0.4	0.5	2.4	5.7	9.7	14.2	18.2	21.1	22.6	22.7	21.5
96°	0.4	0.5	2.2	5.3	9.0	13.1	16.8	19.5	20.9	21.0	19.9
96.5°	0.5	0.6	1.9	5.0	8.3	12.1	15.6	18.1	19.5	19.6	18.6
97°	0.5	0.6	1.8	4.6	7.9	11.2	14.4	16.9	18.2	18.3	17.4
97.5°	0.6	0.6	1.6	4.2	7.5	10.5	13.5	15.7	17.0	17.2	16.3
98°	0.6	0.6	1.5	4.0	7.1	10.0	12.7	14.8	16.0	16.2	15.3
98.5°	0.7	0.7	1.3	3.7	6.6	9.5	12.0	13.9	15.0	15.2	14.5
99°	0.7	0.7	1.2	3.5	6.3	9.1	11.4	13.2	14.3	14.5	13.8
99.5°	0.8	0.8	1.1	3.2	5.9	8.7	10.9	12.6	13.6	13.8	13.2
100°	0.9	0.8	1.1	3.0	5.6	8.2	10.5	12.1	13.0	13.2	12.7
100.5°	1.0	0.9	1.1	2.8	5.3	7.8	10.0	11.6	12.5	12.7	12.2
101°	1.1	1.0	1.1	2.6	5.0	7.5	9.6	11.2	12.1	12.2	11.8
101.5°	1.2	1.0	1.1	2.4	4.8	7.1	9.2	10.8	11.6	11.8	11.4
102°	1.3	1.1	1.1	2.2	4.5	6.8	8.8	10.3	11.2	11.4	11.0
102.5°	1.3	1.1	1.1	2.1	4.2	6.5	8.4	9.9	10.8	11.0	10.6
103°	1.4	1.2	1.1	1.9	4.0	6.1	8.0	9.5	10.4	10.6	10.2
103.5°	1.5	1.2	1.0	1.8	3.7	5.8	7.7	9.1	10.0	10.2	9.8
104°	1.5	1.3	1.0	1.7	3.4	5.5	7.3	8.8	9.6	9.8	9.4
104.5°	1.5	1.3	1.0	1.6	3.2	5.3	7.0	8.4	9.2	9.4	9.1
105°	1.5	1.5	1.0	1.5	3.0	5.0	6.7	8.1	8.9	9.1	8.7
105.5°	1.5	1.7	1.0	1.4	2.8	4.7	6.4	7.7	8.6	8.8	8.4
106°	1.5	1.6	1.0	1.4	2.7	4.5	6.1	7.4	8.2	8.5	8.1
106.5°	1.5	1.5	1.0	1.3	2.5	4.2	5.8	7.1	7.9	8.1	7.8
107°	1.5	1.5	1.0	1.3	2.4	4.0	5.6	6.8	7.6	7.8	7.5
107.5°	1.5	1.5	1.1	1.3	2.2	3.8	5.3	6.5	7.3	7.5	7.2
108°	1.5	1.5	1.1	1.2	2.1	3.6	5.0	6.2	7.0	7.2	6.9
108.5°	1.5	1.5	1.1	1.2	2.0	3.4	4.8	5.9	6.7	7.0	6.7
109°	1.5	1.6	1.1	1.2	1.9	3.2	4.5	5.7	6.5	6.7	6.4
109.5°	1.5	1.6	1.2	1.1	1.8	3.0	4.3	5.4	6.2	6.4	6.2
110°	1.6	1.6	1.2	1.1	1.7	2.9	4.1	5.2	5.9	6.2	5.9
110.5°	1.6	1.6	1.2	1.1	1.7	2.7	3.8	5.0	5.7	5.9	5.7
111°	1.6	1.6	1.3	1.1	1.6	2.5	3.7	4.7	5.5	5.7	5.5



TEST NUMBER: P563562

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

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	2.2	3.1	4.1	4.8	5.0	4.8
113°	1.6	1.5	1.4	1.2	1.5	2.1	3.0	3.9	4.5	4.7	4.6
113.5°	1.6	1.6	1.5	1.3	1.5	2.0	2.8	3.7	4.3	4.5	4.4
114°	1.7	1.6	1.5	1.3	1.4	1.9	2.7	3.5	4.1	4.3	4.2
114.5°	1.7	1.6	1.5	1.3	1.4	1.9	2.5	3.3	3.9	4.1	4.0
115°	1.7	1.6	1.6	1.3	1.3	1.8	2.4	3.2	3.8	4.0	3.8
115.5°	1.7	1.7	1.6	1.4	1.3	1.8	2.3	3.0	3.6	3.8	3.7
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	1.8	1.4	1.3	1.7	2.2	2.8	3.3	3.5	3.4
117°	1.7	1.8	1.9	1.4	1.4	1.7	2.1	2.7	3.1	3.3	3.3
117.5°	1.7	1.8	2.0	1.5	1.4	1.6	2.1	2.6	3.0	3.2	3.1
118°	1.7	1.8	2.0	1.5	1.4	1.6	2.0	2.5	2.9	3.1	3.0
118.5°	1.7	1.9	2.1	1.5	1.4	1.5	2.0	2.4	2.8	3.0	2.9
119°	1.8	1.9	2.1	1.6	1.4	1.5	1.9	2.3	2.7	2.9	2.9
119.5°	1.8	1.9	2.0	1.6	1.5	1.5	1.9	2.3	2.6	2.8	2.8
120°	1.8	1.9	2.0	1.6	1.5	1.5	1.8	2.2	2.5	2.7	2.7
120.5°	1.8	1.9	2.0	1.7	1.5	1.5	1.8	2.1	2.5	2.7	2.6
121°	1.8	1.9	2.0	1.7	1.5	1.5	1.7	2.1	2.4	2.6	2.6
121.5°	1.8	2.0	2.0	1.7	1.6	1.6	1.6	2.0	2.3	2.5	2.5
122°	1.9	2.0	2.0	1.8	1.6	1.6	1.6	2.0	2.3	2.5	2.5
122.5°	1.9	2.0	2.1	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	1.9	2.2	2.4	2.4
123.5°	1.9	2.0	2.1	1.9	1.7	1.7	1.6	1.8	2.1	2.3	2.3
124°	1.9	2.1	2.1	1.9	1.8	1.7	1.6	1.7	2.1	2.3	2.3
124.5°	1.9	2.1	2.1	2.0	1.8	1.7	1.6	1.7	2.0	2.2	2.2
125°	2.0	2.1	2.2	2.0	1.8	1.8	1.7	1.7	2.0	2.2	2.2
125.5°	2.0	2.1	2.2	2.1	1.8	1.8	1.7	1.7	2.0	2.1	2.2
126°	2.0	2.1	2.2	2.2	1.9	1.8	1.7	1.8	2.0	2.1	2.2
126.5°	2.0	2.1	2.2	2.2	1.9	1.8	1.8	1.8	2.0	2.1	2.2
127°	2.0	2.1	2.2	2.3	1.9	1.9	1.8	1.8	2.0	2.1	2.2
127.5°	2.1	2.1	2.2	2.4	2.0	1.9	1.8	1.9	2.0	2.2	2.2
128°	2.1	2.1	2.2	2.5	2.0	1.9	1.9	1.9	2.0	2.2	2.3
128.5°	2.1	2.1	2.1	2.5	2.0	1.9	1.9	2.0	2.1	2.2	2.3
129°	2.1	2.1	2.1	2.5	2.1	2.0	2.0	2.0	2.1	2.3	2.3
129.5°	2.1	2.1	2.1	2.5	2.1	2.0	2.0	2.0	2.2	2.3	2.4
130°	2.1	2.1	2.1	2.5	2.2	2.1	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	2.4	2.4
131°	2.2	2.2	2.1	2.5	2.3	2.1	2.1	2.2	2.3	2.4	2.5
131.5°	2.2	2.2	2.1	2.5	2.3	2.2	2.2	2.2	2.3	2.4	2.5
132°	2.2	2.2	2.2	2.6	2.4	2.2	2.2	2.3	2.4	2.5	2.6
132.5°	2.2	2.2	2.2	2.6	2.5	2.3	2.3	2.3	2.4	2.5	2.6
133°	2.2	2.2	2.2	2.7	2.6	2.3	2.3	2.4	2.4	2.5	2.6
133.5°	2.2	2.3	2.2	2.7	2.7	2.4	2.4	2.4	2.5	2.6	2.7



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.3	2.3	2.3	2.8	2.9	2.6	2.5	2.6	2.6	2.7	2.8
135.5°	2.2	2.3	2.3	2.8	2.9	2.6	2.6	2.6	2.6	2.7	2.8
136°	2.2	2.3	2.4	2.7	3.0	2.7	2.6	2.7	2.7	2.8	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	3.0	2.8	2.7	2.7	2.8	2.8	3.0
137.5°	2.2	2.4	2.4	2.7	3.0	2.9	2.8	2.8	2.8	2.9	3.0
138°	2.2	2.4	2.5	2.6	3.0	3.0	2.8	2.8	2.8	2.9	3.1
138.5°	2.2	2.5	2.5	2.6	3.0	3.1	2.9	2.9	2.9	3.0	3.1
139°	2.3	2.5	2.5	2.6	3.0	3.2	2.9	2.9	2.9	3.0	3.2
139.5°	2.3	2.5	2.5	2.6	3.1	3.3	3.0	3.0	3.0	3.0	3.2
140°	2.3	2.5	2.5	2.6	3.1	3.3	3.0	3.0	3.0	3.1	3.3
140.5°	2.3	2.6	2.5	2.5	3.1	3.3	3.1	3.0	3.0	3.1	3.3
141°	2.3	2.6	2.6	2.5	3.1	3.3	3.1	3.1	3.1	3.2	3.4
141.5°	2.3	2.6	2.6	2.5	3.1	3.4	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	3.2	3.2	3.3	3.5
142.5°	2.3	2.6	2.6	2.5	3.1	3.4	3.5	3.2	3.2	3.3	3.5
143°	2.3	2.6	2.6	2.5	3.1	3.4	3.5	3.3	3.3	3.4	3.6
143.5°	2.3	2.6	2.6	2.5	3.0	3.4	3.6	3.3	3.3	3.5	3.7
144°	2.3	2.7	2.6	2.5	3.0	3.4	3.6	3.4	3.4	3.5	3.7
144.5°	2.3	2.7	2.7	2.5	3.0	3.4	3.6	3.5	3.5	3.6	3.8
145°	2.3	2.7	2.7	2.5	2.9	3.4	3.6	3.7	3.5	3.6	3.8
145.5°	2.3	2.7	2.7	2.5	2.9	3.4	3.6	3.8	3.6	3.7	3.9
146°	2.3	2.7	2.7	2.5	2.9	3.4	3.6	3.8	3.8	3.8	4.0
146.5°	2.3	2.7	2.7	2.5	2.8	3.4	3.6	3.8	3.9	3.9	4.2
147°	2.3	2.7	2.7	2.5	2.8	3.3	3.5	3.8	4.0	4.0	4.3
147.5°	2.3	2.7	2.7	2.5	2.8	3.3	3.5	3.8	4.0	4.1	4.3
148°	2.3	2.7	2.7	2.5	2.7	3.3	3.5	3.8	3.9	4.1	4.3
148.5°	2.3	2.7	2.7	2.5	2.7	3.3	3.5	3.8	3.9	4.1	4.3
149°	2.2	2.7	2.7	2.5	2.7	3.2	3.5	3.7	3.9	4.1	4.3
149.5°	2.2	2.6	2.7	2.5	2.6	3.2	3.5	3.7	4.0	4.1	4.3
150°	2.2	2.6	2.7	2.5	2.6	3.2	3.5	3.7	4.0	4.1	4.2
150.5°	2.2	2.6	2.7	2.5	2.6	3.1	3.5	3.7	3.9	4.0	4.2
151°	2.1	2.6	2.7	2.5	2.6	3.1	3.5	3.7	3.9	4.0	4.1
151.5°	2.0	2.6	2.7	2.6	2.6	3.0	3.4	3.7	3.9	3.9	4.1
152°	2.0	2.5	2.7	2.6	2.6	2.9	3.4	3.7	3.9	3.9	4.1
152.5°	2.0	2.5	2.7	2.6	2.6	2.9	3.3	3.7	3.8	3.9	4.1
153°	2.0	2.5	2.7	2.6	2.6	2.8	3.3	3.6	3.8	3.9	4.1
153.5°	1.8	2.5	2.7	2.6	2.6	2.8	3.2	3.6	3.8	3.9	4.0
154°	1.7	2.4	2.7	2.6	2.6	2.8	3.2	3.5	3.7	3.8	3.9
154.5°	1.7	2.4	2.8	2.7	2.6	2.8	3.1	3.4	3.6	3.8	3.8
155°	1.7	2.4	2.8	2.7	2.6	2.7	3.0	3.4	3.6	3.7	3.7
155.5°	1.7	2.4	2.8	2.7	2.6	2.7	3.0	3.3	3.5	3.6	3.7
156°	1.6	2.4	2.8	2.7	2.7	2.7	2.9	3.2	3.4	3.5	3.6



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.5	2.3	2.8	2.7	2.7	2.7	2.8	3.0	3.2	3.3	3.3
158°	1.5	2.4	2.8	2.7	2.8	2.8	2.8	3.0	3.1	3.2	3.3
158.5°	1.5	2.4	2.8	2.8	2.8	2.8	2.8	2.9	3.1	3.2	3.2
159°	1.5	2.3	2.8	2.8	2.8	2.8	2.8	2.9	3.0	3.1	3.1
159.5°	1.5	2.3	2.7	2.8	2.8	2.8	2.8	2.9	3.0	3.0	3.1
160°	1.5	2.3	2.7	2.8	2.9	2.9	2.8	2.9	2.9	3.0	3.0
160.5°	1.5	2.3	2.7	2.8	2.9	2.9	2.8	2.8	2.9	3.0	3.0
161°	1.5	2.3	2.7	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0
161.5°	1.5	2.2	2.7	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0
162°	1.6	2.2	2.6	2.8	2.9	3.0	2.9	2.9	2.9	2.9	3.0
162.5°	1.6	2.2	2.6	2.8	2.9	3.0	2.9	2.9	2.9	2.9	3.0
163°	1.6	2.1	2.6	2.8	3.0	3.0	3.0	2.9	2.9	2.9	3.0
163.5°	1.6	2.1	2.6	2.8	3.0	3.0	3.0	3.0	2.9	2.9	3.0
164°	1.6	2.0	2.6	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0
164.5°	1.6	1.9	2.6	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0
165°	1.6	1.9	2.6	2.8	3.0	3.1	3.0	3.0	3.0	3.0	3.0
165.5°	1.6	1.9	2.5	2.7	3.0	3.1	3.1	3.0	3.0	3.0	3.1
166°	1.6	1.9	2.6	2.7	3.0	3.1	3.1	3.1	3.1	3.0	3.1
166.5°	1.6	1.9	2.7	2.7	3.0	3.1	3.1	3.1	3.1	3.1	3.1
167°	1.6	1.9	2.5	2.7	3.0	3.1	3.1	3.1	3.1	3.1	3.1
167.5°	1.6	2.0	2.4	2.7	2.9	3.1	3.1	3.1	3.1	3.1	3.1
168°	1.6	2.0	2.4	2.5	2.9	3.1	3.1	3.2	3.2	3.1	3.2
168.5°	1.7	1.9	2.5	2.5	2.9	3.1	3.1	3.2	3.2	3.2	3.2
169°	1.7	1.8	2.4	2.6	2.9	3.1	3.1	3.2	3.2	3.2	3.2
169.5°	1.7	1.9	2.1	2.7	2.6	3.0	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	2.1	2.4	2.4	2.9	3.0	3.1	3.2	3.2	3.2	3.2
171°	2.3	2.1	2.4	2.5	2.8	2.9	3.1	3.2	3.2	3.2	3.2
171.5°	2.3	2.3	2.3	2.5	2.4	2.6	3.0	3.1	3.2	3.2	3.2
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	3.1	3.1	3.1	3.1
173°	2.4	2.4	2.5	2.5	2.5	2.7	2.9	3.0	3.0	3.0	3.1
173.5°	2.4	2.5	2.5	2.5	2.5	2.5	2.9	3.0	3.0	3.0	3.0
174°	2.5	2.5	2.6	2.4	2.6	2.7	2.7	2.9	3.0	3.0	3.0
174.5°	2.6	2.6	2.6	2.5	2.4	2.5	2.6	2.8	2.9	2.9	3.0
175°	2.6	2.7	2.7	2.6	2.4	2.5	2.7	2.8	2.9	2.9	2.9
175.5°	2.7	2.7	2.7	2.6	2.5	2.4	2.6	2.9	2.9	2.9	2.9
176°	2.7	2.7	2.7	2.6	2.4	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	2.9	2.9	2.8
177°	2.7	2.7	2.8	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	2.5	2.6	2.7	2.8	2.7
178°	2.7	2.7	2.7	2.6	2.5	2.4	2.3	2.5	2.7	2.8	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: P563562

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

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: P563562

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4
0.5°	1444.7	1444.7	1444.6	1444.4	1444.3	1444.1	1444.0	1443.9	1443.9	1443.9	1443.9
1°	1444.7	1444.9	1445.1	1445.2	1445.1	1444.8	1444.4	1444.0	1443.7	1443.5	1443.5
1.5°	1445.1	1445.0	1444.6	1443.9	1443.5	1443.4	1443.5	1443.3	1443.0	1442.7	1442.7
2°	1445.1	1444.0	1442.8	1442.8	1442.7	1442.2	1442.0	1442.1	1441.8	1441.7	1441.6
2.5°	1443.9	1443.8	1443.9	1443.0	1442.9	1442.6	1441.8	1441.6	1441.3	1441.1	1440.8
3°	1443.4	1443.0	1442.8	1442.1	1442.1	1441.8	1441.5	1441.0	1439.9	1438.9	1439.2
3.5°	1442.2	1441.9	1441.8	1441.9	1441.3	1440.2	1440.0	1440.2	1438.5	1437.9	1437.6
4°	1441.9	1441.3	1440.7	1440.7	1440.5	1439.8	1438.7	1439.0	1438.1	1436.9	1435.9
4.5°	1439.3	1440.1	1438.7	1439.6	1439.6	1438.6	1437.4	1436.8	1436.3	1435.3	1434.6
5°	1438.7	1438.6	1438.4	1437.7	1438.0	1437.4	1436.4	1435.6	1435.0	1434.1	1432.3
5.5°	1437.8	1437.2	1437.0	1436.2	1436.5	1435.4	1435.2	1434.2	1433.7	1432.6	1430.6
6°	1436.2	1435.5	1434.9	1434.6	1434.4	1433.9	1433.5	1432.4	1431.6	1430.9	1428.3
6.5°	1434.2	1433.6	1433.3	1432.7	1432.3	1432.9	1431.9	1430.6	1429.0	1428.9	1426.3
7°	1432.4	1431.5	1431.9	1431.0	1430.7	1430.8	1430.1	1428.3	1426.8	1426.2	1424.4
7.5°	1429.9	1429.4	1429.5	1429.5	1428.4	1428.5	1427.6	1426.7	1424.4	1424.1	1422.5
8°	1427.7	1427.4	1427.0	1427.1	1426.6	1426.7	1424.8	1423.9	1422.3	1421.7	1419.4
8.5°	1424.8	1424.9	1424.4	1424.2	1424.6	1423.7	1423.5	1421.6	1420.7	1418.9	1416.9
9°	1421.9	1422.2	1421.9	1421.9	1422.3	1421.1	1420.7	1419.6	1417.4	1416.0	1414.1
9.5°	1419.6	1419.7	1418.9	1419.0	1419.1	1418.9	1417.5	1416.4	1414.1	1413.0	1410.6
10°	1416.4	1416.5	1415.9	1416.7	1416.3	1415.1	1415.2	1413.7	1411.5	1410.0	1407.5
10.5°	1413.2	1413.6	1412.2	1413.7	1413.3	1412.5	1412.5	1411.0	1408.9	1406.4	1404.5
11°	1409.3	1410.5	1409.9	1411.0	1410.4	1410.0	1409.5	1408.0	1405.5	1402.8	1400.7
11.5°	1405.6	1406.9	1406.1	1407.1	1407.1	1407.2	1406.1	1404.2	1401.7	1399.8	1396.9
12°	1402.1	1402.8	1402.6	1403.3	1404.1	1403.3	1402.7	1400.9	1398.7	1396.6	1393.2
12.5°	1398.3	1399.3	1399.2	1399.4	1400.6	1399.8	1399.1	1397.6	1395.5	1392.3	1389.8
13°	1394.3	1395.3	1394.8	1395.3	1396.4	1396.0	1395.8	1394.1	1392.2	1388.3	1386.0
13.5°	1389.7	1390.4	1390.4	1391.7	1392.4	1392.1	1392.0	1390.3	1387.5	1384.2	1381.1
14°	1385.0	1386.0	1386.8	1387.9	1388.6	1388.3	1388.0	1386.9	1383.4	1380.2	1376.7
14.5°	1380.3	1381.4	1382.4	1383.4	1384.6	1384.5	1384.1	1382.5	1380.0	1375.7	1372.1
15°	1375.4	1377.3	1377.7	1379.0	1380.8	1380.1	1380.1	1377.9	1375.8	1370.7	1367.6
15.5°	1370.4	1372.8	1373.4	1374.8	1376.5	1375.4	1376.0	1373.6	1370.9	1366.4	1362.9
16°	1364.9	1367.3	1368.4	1369.8	1371.5	1371.3	1371.3	1369.6	1366.3	1362.4	1358.3
16.5°	1359.8	1362.3	1363.4	1364.9	1366.5	1366.8	1366.4	1365.3	1362.1	1357.7	1353.0
17°	1354.2	1356.6	1357.9	1359.7	1361.9	1361.9	1361.8	1360.6	1357.2	1352.4	1347.3
17.5°	1348.5	1351.4	1352.9	1354.6	1357.3	1357.4	1357.9	1355.6	1352.1	1347.5	1342.2
18°	1343.0	1345.2	1347.6	1350.0	1352.0	1352.0	1352.4	1350.2	1346.7	1342.3	1336.5
18.5°	1336.8	1338.9	1342.3	1344.4	1346.8	1346.6	1346.6	1345.4	1341.6	1336.4	1330.5
19°	1330.3	1332.7	1336.1	1338.2	1341.4	1341.7	1341.7	1340.2	1336.8	1330.7	1325.1
19.5°	1323.8	1326.6	1329.9	1332.9	1335.5	1336.0	1336.3	1334.7	1331.1	1325.2	1319.0
20°	1318.1	1321.0	1324.1	1327.1	1329.7	1330.8	1330.8	1329.3	1325.5	1319.5	1313.0
20.5°	1311.4	1314.3	1318.1	1320.6	1324.2	1324.8	1324.9	1323.9	1319.9	1313.6	1306.7
21°	1304.4	1308.3	1311.2	1314.4	1317.9	1319.4	1319.4	1317.8	1313.9	1307.3	1300.5



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1282.9	1286.4	1291.0	1295.7	1299.2	1301.2	1301.2	1299.2	1295.4	1288.0	1281.1
23°	1275.4	1279.4	1284.3	1288.8	1292.7	1294.6	1294.7	1292.7	1289.0	1281.9	1273.7
23.5°	1267.8	1272.0	1277.0	1281.4	1286.4	1288.5	1288.7	1286.6	1282.4	1275.6	1266.9
24°	1259.8	1264.9	1269.4	1274.6	1279.3	1281.6	1282.0	1280.3	1276.0	1268.7	1259.9
24.5°	1251.9	1256.9	1262.2	1267.3	1272.2	1274.9	1275.7	1273.6	1269.1	1261.6	1252.7
25°	1244.3	1249.0	1254.9	1260.1	1265.1	1268.2	1269.1	1266.9	1262.2	1254.2	1245.1
25.5°	1236.0	1241.3	1246.9	1252.4	1257.7	1261.0	1261.9	1259.8	1255.2	1247.1	1238.0
26°	1227.7	1233.2	1239.2	1244.6	1250.6	1253.7	1254.4	1253.2	1248.2	1239.7	1230.2
26.5°	1219.4	1224.6	1231.0	1236.9	1243.5	1246.9	1247.4	1245.8	1240.6	1232.5	1222.5
27°	1210.5	1216.5	1222.9	1229.3	1235.4	1239.2	1240.1	1238.1	1233.4	1224.9	1214.7
27.5°	1201.9	1207.7	1214.7	1221.2	1228.1	1231.5	1232.4	1230.8	1225.9	1217.3	1206.6
28°	1192.8	1199.4	1205.9	1213.4	1220.0	1223.5	1224.7	1223.3	1218.2	1209.5	1198.4
28.5°	1183.9	1190.3	1197.7	1205.2	1211.7	1216.0	1217.2	1215.9	1210.5	1201.5	1190.7
29°	1174.7	1181.4	1189.3	1196.2	1204.1	1208.6	1209.7	1207.9	1202.7	1193.6	1182.2
29.5°	1165.0	1171.8	1180.3	1187.8	1195.7	1199.9	1202.1	1200.0	1194.3	1185.3	1173.4
30°	1156.0	1163.2	1171.5	1179.6	1187.3	1192.6	1193.4	1192.0	1186.1	1177.0	1165.1
30.5°	1146.5	1153.1	1162.4	1171.2	1178.8	1184.0	1185.0	1183.4	1178.7	1168.5	1156.3
31°	1136.1	1144.3	1153.5	1161.9	1170.4	1175.2	1177.3	1175.9	1170.0	1159.7	1147.7
31.5°	1126.2	1134.8	1144.1	1152.7	1162.0	1167.1	1168.7	1167.1	1161.2	1151.7	1138.9
32°	1116.5	1124.8	1134.6	1144.1	1152.7	1158.3	1159.9	1158.7	1153.2	1142.8	1129.9
32.5°	1106.5	1115.4	1125.4	1134.8	1143.6	1149.7	1151.5	1150.4	1144.1	1134.1	1121.0
33°	1096.4	1105.2	1115.9	1125.6	1135.3	1140.6	1143.1	1141.3	1135.7	1125.2	1111.4
33.5°	1086.1	1095.3	1106.0	1116.5	1125.8	1131.9	1133.7	1132.8	1126.8	1116.0	1102.2
34°	1075.8	1085.2	1096.2	1106.8	1116.1	1122.8	1124.9	1124.3	1117.9	1106.9	1092.9
34.5°	1065.8	1075.0	1086.3	1097.1	1107.0	1114.1	1116.1	1115.0	1108.4	1098.1	1084.6
35°	1055.1	1064.3	1076.3	1087.1	1097.9	1104.5	1107.2	1105.8	1099.6	1088.7	1075.5
35.5°	1043.9	1054.4	1066.1	1077.4	1088.3	1094.6	1097.8	1096.6	1090.4	1080.0	1065.3
36°	1033.2	1043.8	1056.0	1067.9	1078.2	1085.8	1088.5	1087.8	1081.4	1070.0	1055.2
36.5°	1022.5	1032.9	1045.8	1058.1	1068.7	1076.5	1079.2	1078.5	1071.6	1060.1	1045.0
37°	1011.6	1022.5	1035.4	1047.3	1059.4	1067.1	1069.6	1068.7	1061.8	1050.3	1034.9
37.5°	1001.0	1011.6	1024.9	1037.6	1049.2	1057.2	1060.0	1058.9	1052.1	1040.4	1024.8
38°	989.8	1001.1	1014.7	1027.7	1039.5	1047.2	1050.2	1049.2	1042.3	1030.6	1014.8
38.5°	979.2	989.8	1004.3	1017.1	1028.6	1037.1	1040.5	1039.4	1032.5	1020.6	1004.4
39°	967.9	979.4	993.4	1006.5	1018.8	1027.0	1030.4	1029.4	1022.5	1010.6	994.5
39.5°	957.1	968.3	982.6	996.1	1008.6	1016.9	1020.2	1019.1	1012.3	1000.7	983.9
40°	945.6	957.1	971.7	985.6	998.3	1007.0	1010.3	1009.1	1002.3	990.3	973.7
40.5°	934.0	946.1	960.5	975.4	987.5	996.8	1000.1	998.7	992.2	980.2	963.3
41°	922.5	934.7	949.8	964.3	977.4	986.0	989.6	988.7	981.9	970.1	952.9
41.5°	911.7	923.7	938.9	953.4	966.5	975.7	979.5	978.4	971.9	959.2	941.9
42°	900.6	913.1	928.0	942.7	955.9	965.0	968.6	968.4	961.1	948.3	931.3
42.5°	889.4	901.7	917.0	931.9	945.1	954.5	958.3	957.7	950.8	938.1	920.3
43°	878.0	889.7	905.7	921.0	934.5	944.6	947.7	947.1	940.0	927.6	910.6
43.5°	866.1	879.0	894.7	910.1	924.0	933.4	937.1	936.4	929.2	916.8	899.4



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	832.4	845.0	861.1	876.8	891.5	901.0	904.6	904.2	897.3	884.1	866.5
45.5°	820.5	833.3	849.8	865.8	879.8	889.5	894.1	893.4	885.9	873.1	855.4
46°	809.0	821.7	838.5	854.4	868.7	879.1	882.7	882.3	874.7	862.4	844.4
46.5°	797.5	810.8	826.7	843.1	857.3	867.6	871.6	871.0	863.9	851.3	833.5
47°	786.3	798.9	815.4	832.1	846.6	856.9	860.9	860.0	852.7	840.1	822.2
47.5°	774.8	788.3	804.1	820.6	835.5	845.9	849.0	848.9	841.8	828.9	811.0
48°	763.4	776.1	792.7	809.2	824.1	834.5	838.1	837.4	830.6	817.9	799.9
48.5°	752.2	764.9	781.9	798.2	812.3	822.8	826.7	826.4	819.3	806.6	788.3
49°	740.6	753.8	770.7	786.7	801.7	811.7	815.6	815.3	808.4	795.2	777.4
49.5°	729.6	742.6	759.2	775.2	789.8	800.9	804.6	803.9	796.8	783.9	766.3
50°	718.4	730.7	747.7	763.5	779.0	789.3	793.3	792.6	785.5	772.9	754.9
50.5°	707.1	719.6	736.2	752.7	767.4	778.0	781.8	781.2	774.4	761.3	743.3
51°	695.6	708.4	724.9	741.5	756.3	766.3	770.1	769.7	762.4	749.9	732.1
51.5°	684.8	697.7	713.5	730.1	744.5	755.4	758.6	758.3	751.3	738.8	720.7
52°	673.7	685.9	702.3	718.3	733.3	743.1	747.5	746.9	739.8	726.9	709.3
52.5°	662.8	674.9	691.0	707.1	721.7	732.0	736.1	736.4	728.3	715.3	698.0
53°	651.8	663.8	679.6	695.9	710.5	720.4	725.3	724.8	716.7	704.0	686.8
53.5°	640.7	653.0	668.6	684.4	699.1	709.2	714.9	712.0	705.2	692.9	675.3
54°	629.7	641.0	657.6	672.9	687.7	697.4	702.5	700.4	693.3	681.1	664.2
54.5°	619.1	630.5	646.2	661.8	675.8	686.3	689.7	688.9	681.9	669.8	652.9
55°	607.9	619.7	635.1	650.5	664.6	674.5	678.1	677.0	670.3	658.3	641.4
55.5°	596.9	608.9	624.3	639.3	652.9	663.0	666.1	665.2	658.4	646.7	629.8
56°	586.2	597.7	613.0	627.8	641.5	651.0	654.5	654.9	647.2	635.1	618.6
56.5°	575.6	586.9	601.8	616.6	630.1	639.4	643.5	643.1	635.7	623.6	607.3
57°	565.3	576.1	590.5	605.5	618.7	628.0	633.3	630.0	624.3	612.2	596.0
57.5°	554.5	565.6	579.5	594.6	607.2	616.6	621.0	618.6	611.8	600.5	584.8
58°	543.9	554.8	569.0	583.3	595.5	604.9	607.5	606.9	600.2	589.0	573.3
58.5°	533.7	544.0	557.7	571.6	584.0	593.0	596.0	595.4	588.5	577.9	562.0
59°	523.5	533.3	546.6	560.2	572.9	581.4	584.5	583.9	577.2	566.0	550.5
59.5°	512.9	523.1	535.9	549.2	561.6	570.6	573.8	571.3	565.2	554.4	539.6
60°	502.9	512.7	525.1	538.3	551.0	559.1	561.7	559.7	553.6	543.0	527.9
60.5°	492.8	502.2	514.5	527.2	539.9	546.8	548.8	548.1	541.5	531.4	516.9
61°	482.6	491.8	504.1	516.3	527.8	534.6	536.8	536.5	530.1	519.7	505.7
61.5°	472.5	481.3	493.3	505.8	515.9	523.4	525.5	524.3	517.9	508.1	494.2
62°	462.3	470.8	482.6	494.6	508.0	513.1	514.6	512.7	506.2	496.9	483.1
62.5°	452.1	460.3	471.8	483.9	496.0	509.3	499.5	500.6	494.8	485.3	471.7
63°	442.0	450.2	460.9	472.5	484.8	495.1	488.0	489.1	483.2	473.8	461.1
63.5°	432.5	440.2	450.2	461.0	472.3	481.5	476.7	477.2	471.0	462.5	449.9
64°	422.9	430.2	439.7	449.8	459.7	467.8	465.4	465.1	459.6	451.1	438.8
64.5°	413.2	420.0	429.5	439.0	448.1	454.1	454.0	453.4	448.0	439.5	427.6
65°	403.6	410.3	419.4	428.5	436.6	441.9	442.3	441.9	436.5	428.0	417.0
65.5°	394.1	400.6	409.0	417.6	425.4	430.2	431.2	430.0	424.7	416.8	405.8
66°	384.6	390.9	398.6	407.2	414.2	419.7	419.6	418.2	413.3	405.5	394.8



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	357.1	361.9	369.1	375.7	381.4	384.6	384.2	383.3	378.6	371.7	362.5
68°	347.7	352.6	359.1	365.2	370.4	373.5	372.6	371.8	367.1	360.4	351.3
68.5°	338.7	343.1	348.9	354.8	359.5	362.1	361.5	360.1	355.3	349.1	340.9
69°	329.6	333.5	339.2	344.3	348.5	350.9	349.8	348.4	343.8	338.2	330.1
69.5°	320.5	324.1	329.5	334.2	338.1	339.9	338.4	336.5	332.5	327.1	319.8
70°	311.4	315.0	319.8	324.2	327.4	328.4	326.6	325.3	321.2	316.0	309.1
70.5°	302.8	306.0	310.4	314.0	316.6	317.1	315.3	313.8	309.5	305.2	298.5
71°	294.3	297.0	300.8	304.0	306.1	306.2	303.8	302.5	298.6	293.9	287.9
71.5°	285.4	288.1	291.3	293.9	295.5	295.1	292.5	291.0	287.2	283.2	277.7
72°	276.8	279.1	281.8	284.0	285.0	284.2	281.4	279.6	275.9	272.2	267.5
72.5°	268.4	270.0	272.5	274.1	274.9	273.5	270.2	268.2	264.7	261.6	257.3
73°	259.8	261.1	263.2	264.4	264.6	262.5	259.0	256.9	253.6	250.8	246.9
73.5°	251.4	252.4	254.1	254.8	254.4	251.9	248.0	245.8	242.8	240.3	236.9
74°	243.4	243.9	245.2	245.4	244.2	241.2	236.9	234.8	232.0	229.7	226.9
74.5°	235.1	235.5	236.2	235.8	234.0	230.7	225.9	223.5	221.0	219.0	217.2
75°	226.9	226.9	227.2	226.1	224.0	220.2	215.2	212.7	210.4	208.9	207.5
75.5°	219.0	218.6	218.4	216.8	214.2	209.8	204.5	201.9	199.5	198.7	197.9
76°	211.1	210.4	209.6	207.7	204.5	199.5	193.8	191.2	189.1	188.6	188.1
76.5°	203.2	202.2	201.0	198.3	194.9	189.4	183.1	180.4	178.7	178.7	178.9
77°	195.4	194.1	192.7	189.7	185.2	179.3	173.0	170.0	168.4	168.7	169.6
77.5°	187.8	186.2	184.2	180.8	175.7	169.3	162.6	159.6	158.1	159.2	160.6
78°	180.3	178.4	175.9	172.0	166.5	159.6	152.6	149.4	148.2	149.4	151.2
78.5°	173.0	170.7	167.8	163.4	157.4	150.1	142.7	139.4	138.3	140.1	142.7
79°	165.7	163.2	159.8	154.9	148.5	140.6	133.0	129.9	129.0	131.4	134.5
79.5°	158.6	155.7	152.0	146.4	139.8	131.4	123.2	120.4	119.7	122.6	126.3
80°	151.5	148.4	144.3	138.4	131.0	122.1	113.9	110.9	110.4	113.9	118.1
80.5°	144.6	141.2	136.7	130.1	122.5	113.4	104.8	101.4	101.2	105.2	109.9
81°	138.0	134.3	129.4	122.5	114.2	104.8	95.9	92.3	92.4	96.5	101.8
81.5°	131.4	127.4	122.1	114.8	106.3	96.4	87.1	83.1	84.0	88.3	94.1
82°	124.8	120.6	115.2	107.6	98.3	88.1	78.7	74.6	75.5	80.3	86.6
82.5°	118.4	114.1	108.3	100.2	90.8	80.2	70.7	66.7	67.5	72.8	79.5
83°	112.4	107.8	101.7	93.4	83.5	72.5	62.9	58.7	60.0	65.6	72.7
83.5°	106.4	101.7	95.3	86.6	76.4	65.3	55.5	51.3	52.9	58.6	66.1
84°	100.6	95.8	89.1	80.1	69.6	58.2	48.4	44.1	45.8	51.9	59.8
84.5°	95.1	89.9	83.0	73.7	63.1	51.6	42.4	37.4	39.2	45.6	53.9
85°	89.5	84.3	77.1	67.9	56.9	46.1	36.4	31.1	33.0	39.7	48.3
85.5°	84.2	78.9	71.5	62.1	51.2	40.7	30.4	25.2	27.4	34.3	43.1
86°	79.1	73.7	66.3	56.8	46.4	35.4	24.5	21.0	22.2	29.4	38.3
86.5°	74.2	68.8	61.2	51.7	41.7	30.0	19.3	16.7	18.7	24.8	33.7
87°	69.4	63.9	56.3	47.5	37.0	24.6	14.9	12.5	15.3	20.8	29.5
87.5°	64.9	59.3	51.8	43.3	32.3	20.4	11.2	8.2	11.8	18.2	25.7
88°	60.5	54.9	47.9	39.1	27.6	16.8	8.0	4.0	8.4	15.5	22.3
88.5°	56.3	50.6	44.1	34.9	23.9	13.7	5.5	1.8	5.1	12.9	19.4



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	45.7	40.3	33.0	24.3	15.2	7.1	2.5	0.6	2.2	6.5	13.6
90.5°	42.4	36.9	29.9	21.6	13.0	5.7	1.5	0.4	1.8	5.5	12.0
91°	39.2	33.9	27.1	19.1	11.2	5.1	1.1	0.3	1.6	4.9	10.4
91.5°	36.1	31.1	24.5	17.0	9.6	4.4	0.9	0.2	1.4	4.4	8.8
92°	33.3	28.4	22.1	15.1	8.4	3.8	0.7	0.2	1.3	4.1	8.1
92.5°	30.7	26.0	20.0	13.4	7.4	3.2	0.6	0.3	1.2	3.8	7.5
93°	28.3	23.8	18.2	12.1	6.6	2.8	0.5	0.3	1.1	3.5	7.0
93.5°	26.2	21.9	16.5	10.8	6.0	2.6	0.5	0.4	1.0	3.4	6.7
94°	24.1	20.0	15.0	9.9	5.6	2.3	0.5	0.4	1.0	3.3	6.4
94.5°	22.3	18.4	13.7	9.0	5.3	2.1	0.5	0.5	1.0	3.3	6.1
95°	20.6	16.9	12.6	8.4	4.9	2.0	0.5	0.5	1.0	3.2	5.9
95.5°	19.0	15.6	11.7	7.9	4.6	1.8	0.6	0.6	1.0	3.2	5.7
96°	17.7	14.5	10.9	7.5	4.3	1.7	0.7	0.7	1.0	3.1	5.6
96.5°	16.5	13.6	10.3	7.1	4.0	1.6	0.8	0.8	1.0	3.0	5.4
97°	15.4	12.7	9.7	6.7	3.8	1.5	0.8	0.8	1.0	2.8	5.3
97.5°	14.5	12.0	9.3	6.4	3.6	1.4	0.9	0.9	1.0	2.7	5.3
98°	13.7	11.4	8.9	6.1	3.4	1.3	1.0	1.0	1.0	2.7	5.2
98.5°	13.0	10.9	8.5	5.8	3.2	1.3	1.0	1.1	1.1	2.6	5.1
99°	12.4	10.5	8.1	5.5	3.1	1.2	1.1	1.2	1.1	2.6	5.0
99.5°	11.9	10.1	7.8	5.3	2.9	1.2	1.2	1.4	1.2	2.6	4.9
100°	11.5	9.7	7.5	5.0	2.7	1.2	1.3	1.5	1.3	2.6	4.8
100.5°	11.0	9.3	7.1	4.7	2.6	1.2	1.3	1.6	1.4	2.5	4.7
101°	10.7	8.9	6.8	4.5	2.4	1.2	1.4	1.7	1.5	2.5	4.6
101.5°	10.3	8.6	6.5	4.2	2.3	1.2	1.4	1.8	1.6	2.4	4.5
102°	9.9	8.2	6.3	4.0	2.2	1.2	1.5	1.8	1.6	2.3	4.4
102.5°	9.5	7.9	6.0	3.8	2.0	1.2	1.6	1.9	1.7	2.3	4.3
103°	9.1	7.6	5.7	3.7	1.9	1.3	1.7	1.9	1.8	2.2	4.2
103.5°	8.8	7.3	5.5	3.5	1.8	1.4	1.7	2.0	1.8	2.1	4.1
104°	8.5	7.0	5.2	3.3	1.8	1.5	1.8	2.0	1.9	2.1	4.0
104.5°	8.1	6.7	5.0	3.2	1.8	1.6	1.9	2.1	2.0	2.1	3.9
105°	7.8	6.4	4.8	3.0	1.8	1.6	2.1	2.1	2.0	2.0	3.8
105.5°	7.5	6.2	4.6	2.9	1.8	1.7	2.4	2.2	2.1	2.0	3.7
106°	7.2	5.9	4.4	2.7	1.7	1.7	2.7	2.3	2.2	2.0	3.5
106.5°	6.9	5.7	4.2	2.6	1.7	1.7	2.9	2.4	2.4	2.0	3.4
107°	6.6	5.5	4.0	2.5	1.7	1.8	3.1	2.4	2.7	1.9	3.3
107.5°	6.4	5.2	3.8	2.4	1.7	1.8	3.2	2.4	2.9	1.9	3.2
108°	6.1	5.0	3.6	2.3	1.7	1.9	3.2	2.5	2.8	1.9	3.1
108.5°	5.9	4.8	3.4	2.2	1.8	1.9	3.1	2.5	2.8	2.0	3.0
109°	5.6	4.5	3.3	2.2	1.8	2.0	3.0	2.6	2.8	2.0	2.9
109.5°	5.4	4.3	3.2	2.1	1.9	2.1	3.0	2.6	2.8	2.1	2.8
110°	5.2	4.1	3.0	2.0	1.9	2.1	3.0	2.6	2.9	2.2	2.8
110.5°	5.0	4.0	2.9	2.0	2.0	2.2	2.9	2.7	2.9	2.2	2.7
111°	4.8	3.8	2.8	2.0	2.0	2.3	3.0	2.7	3.0	2.3	2.7



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	3.0	3.4	4.0	4.8	4.6	3.7	3.3	3.1	3.8	4.1	3.7
135.5°	3.1	3.4	4.0	4.8	4.6	3.7	3.3	3.1	3.9	4.1	3.7
136°	3.1	3.5	4.1	4.8	4.6	3.7	3.3	3.1	3.9	4.1	3.7
136.5°	3.2	3.6	4.1	4.9	4.5	3.7	3.3	3.1	3.8	4.0	3.7
137°	3.2	3.6	4.2	4.9	4.4	3.7	3.4	3.1	3.8	4.0	3.7
137.5°	3.3	3.7	4.2	4.9	4.4	3.7	3.4	3.1	3.8	4.0	3.8
138°	3.3	3.7	4.3	5.0	4.3	3.7	3.4	3.1	3.7	4.0	3.8
138.5°	3.4	3.8	4.4	5.0	4.3	3.7	3.4	3.1	3.6	4.0	3.8
139°	3.4	3.9	4.5	5.0	4.2	3.7	3.4	3.1	3.5	4.0	3.8
139.5°	3.5	3.9	4.6	5.0	4.1	3.7	3.4	3.1	3.6	4.0	3.8
140°	3.5	4.0	4.7	4.9	4.1	3.7	3.5	3.1	3.7	4.0	3.8
140.5°	3.6	4.0	4.7	4.9	4.0	3.7	3.4	3.0	3.7	4.1	3.8
141°	3.7	4.1	4.7	4.8	4.0	3.7	3.4	3.0	3.6	4.1	3.8
141.5°	3.7	4.2	4.8	4.8	3.9	3.7	3.4	3.0	3.6	4.1	3.8
142°	3.8	4.3	4.8	4.7	3.9	3.7	3.5	3.0	3.6	4.1	3.8
142.5°	3.8	4.4	4.8	4.6	3.8	3.7	3.4	2.9	3.6	4.1	3.7
143°	3.9	4.5	4.9	4.6	3.8	3.7	3.4	2.9	3.6	4.0	3.7
143.5°	3.9	4.6	4.9	4.5	3.8	3.7	3.3	2.9	3.6	3.9	3.7
144°	4.0	4.6	4.8	4.4	3.7	3.7	3.4	2.9	3.6	3.9	3.8
144.5°	4.1	4.6	4.8	4.3	3.7	3.7	3.4	3.0	3.6	4.0	3.8
145°	4.3	4.6	4.7	4.2	3.7	3.6	3.4	3.0	3.5	4.1	3.8
145.5°	4.4	4.6	4.7	4.2	3.7	3.7	3.4	3.0	3.5	4.1	3.8
146°	4.4	4.6	4.6	4.1	3.6	3.7	3.4	2.9	3.5	4.1	3.8
146.5°	4.4	4.6	4.5	4.0	3.6	3.7	3.4	2.9	3.4	4.1	3.8
147°	4.4	4.6	4.5	3.9	3.6	3.7	3.4	2.9	3.4	4.1	3.9
147.5°	4.4	4.5	4.4	3.8	3.6	3.6	3.3	2.9	3.4	4.1	3.9
148°	4.4	4.5	4.3	3.8	3.5	3.5	3.2	3.0	3.4	4.1	4.0
148.5°	4.4	4.5	4.2	3.7	3.5	3.5	3.3	3.0	3.4	4.1	4.0
149°	4.4	4.4	4.2	3.6	3.5	3.5	3.3	3.0	3.3	4.0	4.0
149.5°	4.3	4.3	4.1	3.6	3.5	3.6	3.3	3.0	3.4	4.0	4.0
150°	4.3	4.3	4.0	3.5	3.5	3.5	3.3	3.0	3.4	4.0	4.0
150.5°	4.3	4.2	3.9	3.5	3.4	3.5	3.3	3.0	3.3	4.0	4.0
151°	4.3	4.1	3.8	3.5	3.4	3.5	3.3	3.0	3.3	3.9	3.9
151.5°	4.3	4.0	3.7	3.4	3.4	3.5	3.2	3.0	3.3	3.9	3.8
152°	4.2	4.0	3.6	3.4	3.4	3.5	3.2	3.0	3.2	3.8	4.0
152.5°	4.1	3.9	3.5	3.3	3.4	3.4	3.2	3.0	3.1	3.8	4.0
153°	4.0	3.8	3.5	3.3	3.4	3.4	3.2	2.9	2.9	3.7	4.0
153.5°	3.9	3.7	3.4	3.3	3.4	3.4	3.2	2.8	2.9	3.7	4.0
154°	3.8	3.6	3.3	3.3	3.4	3.4	3.2	2.8	2.8	3.6	4.0
154.5°	3.7	3.5	3.3	3.3	3.4	3.4	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	2.8	2.7	3.3	3.8
155.5°	3.6	3.4	3.2	3.2	3.3	3.1	3.1	2.7	2.7	3.2	3.6
156°	3.5	3.3	3.2	3.2	3.2	3.1	3.0	2.6	2.7	3.1	3.4



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563562

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

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: P563562
 CATALOG NUMBER: 4NWS3C3MS-UNV-LOW-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4	1444.4
0.5°	1443.9	1443.9	1444.0	1444.0	1444.0	1444.0	1444.0	1444.1	1444.1	1444.1	1444.2
1°	1443.5	1443.5	1443.3	1443.0	1442.7	1442.5	1442.7	1442.9	1443.3	1443.6	1443.8
1.5°	1442.7	1442.7	1442.8	1442.6	1442.5	1442.4	1442.6	1442.8	1443.0	1443.1	1443.3
2°	1441.5	1441.5	1441.3	1441.1	1440.8	1440.8	1441.0	1441.3	1441.8	1442.1	1442.2
2.5°	1440.6	1440.5	1439.9	1439.3	1439.3	1439.6	1439.6	1439.7	1440.2	1440.8	1441.2
3°	1439.3	1439.1	1438.3	1438.0	1438.3	1438.5	1438.4	1438.4	1438.8	1439.4	1439.6
3.5°	1437.0	1436.9	1436.7	1436.2	1436.3	1436.9	1437.1	1437.3	1437.7	1438.1	1438.7
4°	1435.9	1435.8	1435.2	1434.6	1434.9	1435.3	1435.6	1435.6	1435.7	1436.3	1436.8
4.5°	1433.7	1433.3	1433.2	1433.2	1433.1	1432.9	1433.1	1433.5	1433.8	1434.7	1435.8
5°	1431.9	1431.7	1430.9	1430.5	1430.1	1429.9	1430.5	1431.3	1432.1	1433.2	1434.5
5.5°	1430.1	1429.4	1428.8	1428.3	1428.1	1428.3	1428.4	1429.0	1430.1	1431.5	1432.9
6°	1427.4	1426.9	1426.4	1426.0	1425.9	1425.6	1425.6	1426.2	1427.5	1428.6	1430.3
6.5°	1424.9	1423.9	1423.5	1423.1	1422.9	1423.1	1423.1	1423.9	1425.1	1426.4	1428.3
7°	1422.9	1421.9	1420.7	1420.0	1420.2	1420.5	1420.8	1421.5	1422.9	1423.9	1426.5
7.5°	1420.5	1419.5	1417.8	1417.3	1416.8	1416.2	1417.0	1418.2	1419.6	1421.3	1423.6
8°	1417.2	1416.4	1414.9	1413.9	1413.4	1413.5	1413.9	1415.1	1416.5	1418.1	1420.8
8.5°	1414.0	1412.4	1411.6	1410.7	1409.9	1410.2	1410.5	1411.8	1413.6	1415.3	1418.0
9°	1410.4	1409.1	1408.1	1406.9	1406.7	1406.7	1406.7	1408.0	1410.2	1412.7	1415.8
9.5°	1407.5	1406.0	1404.1	1403.3	1402.9	1402.7	1402.9	1404.4	1406.6	1409.2	1412.7
10°	1405.1	1402.4	1400.6	1399.4	1399.0	1399.0	1398.9	1400.5	1403.1	1405.9	1409.1
10.5°	1401.0	1398.8	1396.6	1395.1	1394.5	1393.9	1394.9	1396.8	1399.2	1402.4	1406.3
11°	1397.0	1394.7	1392.4	1391.1	1390.4	1390.2	1390.5	1392.2	1395.2	1398.2	1402.5
11.5°	1392.9	1390.4	1388.1	1386.5	1385.9	1385.3	1386.2	1387.9	1391.0	1395.1	1398.2
12°	1389.4	1386.0	1383.5	1382.0	1381.0	1380.7	1381.9	1384.0	1386.9	1391.3	1395.4
12.5°	1385.5	1381.9	1379.3	1377.6	1376.6	1375.6	1377.0	1379.1	1382.3	1386.6	1391.8
13°	1381.2	1377.2	1374.4	1372.4	1370.7	1370.3	1372.1	1374.2	1377.3	1382.1	1387.1
13.5°	1376.1	1372.1	1369.3	1367.0	1365.4	1365.3	1366.8	1368.8	1372.6	1377.3	1383.1
14°	1371.8	1367.5	1364.3	1361.9	1360.1	1360.6	1361.2	1363.7	1367.9	1373.3	1378.0
14.5°	1367.0	1362.1	1359.2	1356.7	1354.2	1354.6	1356.2	1358.4	1362.6	1368.3	1373.8
15°	1362.0	1357.1	1354.0	1350.9	1349.2	1348.9	1350.2	1353.2	1357.0	1362.9	1368.9
15.5°	1357.3	1352.1	1348.0	1344.8	1343.6	1342.8	1344.3	1347.3	1351.9	1357.7	1364.1
16°	1352.1	1346.8	1342.2	1338.7	1336.6	1336.5	1337.9	1341.2	1346.0	1352.1	1358.7
16.5°	1346.6	1341.1	1336.5	1332.7	1330.8	1331.0	1332.2	1335.2	1340.4	1346.6	1353.3
17°	1341.2	1335.4	1330.7	1326.9	1324.8	1324.4	1325.9	1329.0	1334.4	1341.5	1348.1
17.5°	1335.5	1329.5	1324.6	1320.6	1318.3	1317.7	1319.6	1322.6	1328.0	1335.4	1343.1
18°	1329.6	1323.2	1318.1	1313.8	1311.3	1310.5	1312.0	1316.6	1322.1	1329.4	1337.5
18.5°	1323.5	1317.2	1311.3	1306.6	1304.6	1304.2	1305.7	1310.0	1316.2	1323.4	1331.6
19°	1318.0	1310.4	1304.4	1299.8	1298.1	1296.6	1298.2	1302.7	1308.9	1316.9	1325.0
19.5°	1311.0	1303.8	1297.6	1292.8	1290.8	1289.6	1291.4	1295.5	1302.0	1310.8	1319.3
20°	1305.1	1297.6	1290.9	1285.7	1282.9	1282.4	1284.7	1288.7	1295.6	1304.3	1313.9
20.5°	1298.7	1290.7	1284.0	1278.3	1275.1	1274.7	1277.1	1281.9	1288.7	1297.7	1307.7
21°	1291.8	1283.9	1276.7	1270.8	1267.2	1267.1	1269.4	1274.2	1281.7	1291.2	1300.8



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1271.2	1261.8	1254.0	1248.0	1243.5	1242.9	1244.9	1250.2	1258.7	1270.0	1280.5
23°	1264.4	1254.4	1246.4	1239.8	1235.5	1235.3	1236.9	1242.5	1251.4	1262.6	1274.1
23.5°	1256.8	1246.4	1238.1	1231.5	1227.8	1226.2	1228.4	1234.2	1243.5	1254.7	1266.8
24°	1249.5	1238.8	1229.9	1222.4	1218.9	1217.3	1219.4	1226.2	1235.2	1246.9	1259.1
24.5°	1241.9	1231.2	1221.4	1213.8	1210.2	1208.2	1211.3	1218.4	1227.7	1239.2	1251.9
25°	1235.2	1223.2	1213.8	1205.7	1201.9	1199.6	1202.6	1209.9	1219.5	1231.5	1244.1
25.5°	1226.5	1214.8	1205.4	1197.0	1192.3	1190.7	1193.6	1200.6	1210.6	1223.2	1236.9
26°	1218.5	1206.4	1196.2	1188.3	1183.6	1181.6	1184.8	1191.8	1202.6	1215.5	1229.3
26.5°	1210.5	1198.2	1187.3	1179.2	1174.7	1172.4	1175.1	1182.9	1193.8	1207.3	1221.1
27°	1202.9	1190.3	1178.7	1169.6	1164.9	1163.6	1166.0	1173.6	1185.1	1198.5	1213.0
27.5°	1194.4	1180.9	1169.7	1160.2	1154.8	1154.3	1156.8	1164.3	1175.9	1190.5	1204.6
28°	1185.6	1172.2	1160.8	1150.9	1145.9	1144.3	1147.6	1155.8	1167.4	1181.7	1196.8
28.5°	1177.5	1163.9	1151.8	1142.1	1136.4	1134.6	1137.6	1146.1	1158.3	1172.7	1187.7
29°	1169.0	1154.6	1142.4	1132.1	1126.3	1125.5	1128.5	1136.0	1148.3	1163.5	1179.4
29.5°	1160.2	1145.2	1132.9	1122.4	1116.8	1114.9	1117.6	1126.5	1139.3	1155.0	1171.3
30°	1151.3	1136.0	1123.4	1112.7	1106.5	1104.9	1108.4	1117.1	1130.0	1146.2	1162.5
30.5°	1142.2	1127.0	1113.8	1102.8	1097.0	1094.8	1098.2	1107.0	1120.2	1136.6	1153.4
31°	1133.2	1117.6	1104.1	1093.0	1086.9	1084.7	1088.5	1097.4	1110.6	1127.2	1144.8
31.5°	1123.9	1108.1	1094.4	1082.9	1076.4	1074.2	1078.1	1087.6	1101.2	1118.1	1135.5
32°	1114.5	1098.8	1084.7	1072.5	1065.9	1063.7	1067.7	1077.2	1091.7	1108.7	1126.5
32.5°	1105.7	1089.2	1074.6	1061.9	1055.4	1053.2	1057.3	1066.7	1081.8	1099.4	1117.3
33°	1096.1	1079.2	1064.5	1051.4	1044.9	1042.7	1046.8	1056.3	1071.5	1089.9	1108.2
33.5°	1086.1	1069.0	1054.4	1040.8	1034.4	1032.3	1036.4	1045.9	1061.2	1080.1	1098.8
34°	1077.9	1059.1	1044.4	1030.8	1023.2	1021.6	1025.1	1035.4	1050.9	1070.1	1089.4
34.5°	1067.7	1049.2	1034.2	1020.8	1012.8	1010.5	1014.7	1025.3	1040.8	1060.2	1080.2
35°	1057.6	1038.9	1023.0	1010.1	1002.2	999.6	1004.1	1014.9	1030.5	1050.2	1070.5
35.5°	1047.6	1028.8	1012.6	999.5	991.5	988.9	993.3	1004.4	1019.9	1040.2	1060.7
36°	1037.5	1018.8	1002.4	988.2	980.2	977.8	982.1	992.7	1009.4	1030.2	1051.0
36.5°	1027.3	1008.2	991.1	977.4	968.9	966.9	971.2	982.3	998.6	1019.3	1041.2
37°	1017.0	997.2	980.6	966.7	957.7	955.3	959.9	971.7	988.1	1008.9	1031.0
37.5°	1006.8	986.7	969.8	955.8	947.4	944.4	949.1	960.4	977.0	998.2	1020.8
38°	996.1	976.0	958.7	944.2	935.7	933.8	937.7	949.7	966.7	987.9	1009.9
38.5°	985.7	965.6	947.9	933.4	924.7	921.8	926.8	938.6	955.8	977.5	999.7
39°	975.3	955.0	936.8	922.2	913.7	911.0	916.0	927.7	945.0	966.9	989.5
39.5°	964.6	944.5	926.2	911.1	902.7	899.6	904.1	916.3	933.9	956.0	979.2
40°	954.4	933.4	915.2	900.2	891.1	888.4	893.3	905.3	922.8	945.3	968.6
40.5°	943.7	922.5	904.1	888.9	879.7	877.1	881.4	893.7	912.4	934.5	958.3
41°	933.1	911.5	893.0	877.3	868.4	865.7	870.8	883.0	901.0	923.8	947.4
41.5°	922.2	900.8	882.0	866.5	857.2	854.6	859.0	871.8	890.1	912.9	936.8
42°	911.2	889.6	870.5	855.2	845.5	843.0	848.1	860.3	878.9	901.7	926.6
42.5°	900.8	879.0	859.4	843.9	834.3	831.9	836.6	849.3	868.2	890.6	915.2
43°	890.1	867.5	848.5	832.6	822.7	820.8	825.7	838.2	857.0	880.0	904.7
43.5°	878.9	856.7	837.2	821.1	811.9	809.1	814.1	826.5	845.2	869.2	893.8



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	845.8	822.8	803.2	787.5	778.2	775.0	779.8	792.9	811.5	835.8	861.1
45.5°	834.7	811.9	792.5	776.1	766.7	763.9	769.0	781.8	800.5	824.6	849.9
46°	823.6	801.0	781.0	765.1	755.3	753.1	757.9	770.8	789.7	813.4	839.0
46.5°	812.4	789.7	769.9	753.8	744.2	741.7	746.5	759.7	778.7	802.3	827.7
47°	801.5	778.2	758.6	742.6	732.7	730.3	735.5	748.1	767.3	791.1	817.0
47.5°	790.0	767.2	747.6	731.5	721.7	719.5	724.3	737.0	756.0	779.9	805.7
48°	778.5	756.3	735.9	720.2	710.8	708.0	712.7	725.7	744.8	768.6	794.3
48.5°	767.4	744.9	725.1	709.3	699.9	697.0	702.1	714.6	733.6	757.5	782.9
49°	756.4	733.6	713.9	698.4	688.5	685.9	691.3	703.9	723.0	746.8	771.7
49.5°	745.7	722.4	703.1	687.4	677.4	675.4	680.1	692.9	711.4	735.4	761.0
50°	733.5	711.3	691.7	676.1	666.4	664.1	669.5	681.6	700.8	724.0	750.0
50.5°	722.9	700.1	680.1	665.0	655.9	653.4	657.9	670.4	689.5	712.8	738.6
51°	711.5	688.7	669.6	654.3	644.8	643.0	647.4	659.7	678.1	701.7	727.6
51.5°	700.1	677.7	658.8	643.6	634.0	632.0	636.8	649.3	667.5	690.8	716.1
52°	688.6	667.0	647.9	632.8	623.3	621.1	626.0	638.6	656.7	680.2	705.0
52.5°	677.5	655.9	637.0	621.9	612.9	611.0	615.3	627.8	646.0	669.0	693.8
53°	666.4	644.9	625.8	611.0	602.1	600.4	604.8	616.9	635.0	657.9	682.8
53.5°	655.3	633.8	614.8	600.4	591.4	589.6	594.6	606.1	624.3	646.9	672.1
54°	644.2	622.9	604.0	589.9	581.0	578.6	583.5	595.2	613.3	635.9	660.8
54.5°	633.0	611.6	593.3	579.1	570.4	568.6	573.4	584.8	602.7	624.8	649.3
55°	621.7	600.4	582.6	568.8	559.9	558.2	562.8	574.4	591.8	614.2	638.2
55.5°	611.0	589.8	571.9	558.1	550.1	548.1	552.7	563.9	581.1	603.3	626.9
56°	599.6	578.8	561.2	547.8	539.6	538.0	542.4	553.3	570.4	592.4	616.1
56.5°	588.3	567.8	550.9	537.6	529.1	527.4	532.3	543.2	560.1	581.5	604.8
57°	577.4	557.1	540.1	527.2	519.1	517.7	522.1	533.2	549.4	570.5	593.8
57.5°	565.9	546.6	529.9	516.7	508.9	507.4	511.6	522.5	539.0	559.7	582.6
58°	555.1	535.7	519.3	506.6	499.2	497.5	501.9	512.3	528.4	548.8	571.7
58.5°	543.9	525.3	509.0	496.4	489.1	487.7	492.0	502.2	518.3	538.4	561.1
59°	533.0	514.6	498.5	486.5	479.0	477.7	481.9	492.3	507.8	527.8	550.1
59.5°	522.1	503.7	488.5	476.3	469.0	467.8	472.6	482.3	497.8	517.1	539.1
60°	511.1	493.4	478.4	466.2	459.7	458.5	462.5	472.2	487.4	506.6	527.8
60.5°	500.4	482.9	468.1	456.3	449.7	448.5	452.6	462.2	477.4	496.1	516.8
61°	489.2	472.4	457.8	446.5	440.0	439.0	442.8	452.5	467.1	485.6	506.3
61.5°	478.4	462.0	447.9	437.2	431.0	429.5	433.6	442.9	457.2	475.2	495.2
62°	467.4	451.6	438.2	427.2	421.0	420.1	424.0	433.3	447.1	465.0	484.4
62.5°	457.0	441.4	428.0	417.5	411.4	410.8	414.5	423.6	437.2	454.7	473.7
63°	446.3	431.2	417.8	407.8	402.2	401.4	405.1	413.9	427.2	444.3	463.0
63.5°	435.8	420.8	408.0	398.3	393.1	392.2	395.9	404.4	417.5	434.2	452.6
64°	424.9	410.6	398.8	389.0	383.8	383.0	386.5	395.1	407.5	424.1	441.8
64.5°	414.4	400.5	388.9	379.5	374.4	373.9	377.4	385.6	397.9	413.7	431.3
65°	403.9	390.5	379.1	370.3	365.6	364.8	368.4	376.4	388.4	403.8	420.7
65.5°	393.4	380.6	369.9	361.2	356.4	355.8	359.4	367.1	379.0	393.7	410.2
66°	383.2	370.7	360.5	351.8	347.2	346.7	350.0	357.7	369.2	383.8	399.7



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	351.7	340.9	331.8	324.7	320.8	320.4	323.6	330.6	340.9	354.1	368.3
68°	341.5	331.3	322.5	315.7	312.2	311.9	315.0	321.8	331.5	344.4	358.4
68.5°	331.5	321.6	313.3	306.9	303.6	303.1	306.3	313.0	322.5	334.8	348.4
69°	321.4	311.9	304.3	298.2	294.9	294.8	297.6	304.1	313.3	325.1	338.3
69.5°	311.3	302.5	295.1	289.3	286.1	286.1	289.0	295.3	304.2	315.4	328.0
70°	301.5	293.1	286.2	280.6	277.9	278.0	280.7	286.5	295.0	305.8	317.8
70.5°	291.2	283.7	277.2	272.2	269.6	269.8	272.4	277.9	286.0	296.5	307.6
71°	281.4	274.3	268.5	263.8	261.4	261.4	264.0	269.4	277.3	287.0	298.0
71.5°	271.8	265.1	259.7	255.3	253.0	253.2	255.8	260.9	268.5	277.8	288.0
72°	262.1	256.1	251.0	247.0	245.0	245.4	247.8	252.6	259.8	268.7	278.4
72.5°	252.3	246.9	242.4	238.7	237.0	237.2	239.8	244.4	251.1	259.4	268.4
73°	242.9	238.0	233.8	230.5	228.9	229.3	231.6	236.1	242.2	250.3	259.3
73.5°	233.4	229.1	225.2	222.4	221.2	221.4	223.8	227.8	233.9	241.3	249.4
74°	223.9	220.2	217.0	214.6	213.2	214.0	216.0	219.9	225.5	232.5	239.9
74.5°	214.6	211.5	208.6	206.8	205.6	206.3	208.3	212.1	217.2	223.6	230.3
75°	205.6	203.0	200.7	198.8	198.0	198.7	200.7	204.1	208.9	214.8	221.4
75.5°	196.6	194.5	192.4	191.2	190.6	191.2	193.0	196.3	200.7	206.1	212.1
76°	187.5	186.1	184.8	183.5	183.0	183.8	185.6	188.7	192.9	197.6	203.0
76.5°	178.7	177.7	176.8	176.0	175.8	176.5	178.3	181.2	184.8	189.1	194.0
77°	170.1	169.6	169.3	168.7	168.6	169.4	171.1	173.6	177.0	180.8	185.1
77.5°	161.3	161.6	161.5	161.6	161.7	162.5	164.1	166.3	169.4	172.7	176.0
78°	153.0	153.9	154.2	154.4	155.0	155.7	157.1	159.3	161.9	164.7	167.5
78.5°	144.9	146.4	147.0	147.4	148.1	149.0	150.3	152.2	154.3	156.8	159.0
79°	136.8	138.6	139.8	140.7	141.4	142.4	143.7	145.3	147.1	148.9	150.7
79.5°	129.1	131.4	133.0	134.2	135.0	136.0	137.4	138.6	140.0	141.4	142.2
80°	121.5	124.7	126.7	128.0	129.1	129.9	130.9	131.9	133.3	133.9	134.4
80.5°	114.0	117.9	120.3	122.0	123.2	124.1	125.0	125.8	126.9	126.8	126.9
81°	106.4	111.0	113.9	116.0	117.4	118.2	119.1	119.8	120.4	120.1	119.4
81.5°	99.3	104.2	107.5	110.0	111.5	112.4	113.2	113.8	114.0	113.2	111.9
82°	92.8	97.6	101.2	103.9	105.6	106.6	107.3	107.9	107.6	106.4	104.4
82.5°	86.0	91.5	95.4	98.2	100.1	101.2	101.9	102.0	101.3	99.8	97.1
83°	79.5	85.4	89.7	92.7	94.7	95.9	96.4	96.3	95.3	93.4	90.4
83.5°	73.4	79.5	84.1	87.3	89.3	90.5	91.1	90.8	89.7	87.3	83.7
84°	67.5	73.9	78.7	82.1	84.3	85.5	86.0	85.6	84.0	81.3	77.4
84.5°	61.8	68.7	73.7	77.1	79.4	80.6	81.0	80.4	78.7	75.6	71.1
85°	56.6	63.6	68.6	72.3	74.7	75.9	76.2	75.4	73.5	70.2	65.4
85.5°	51.5	58.6	63.9	67.7	70.1	71.2	71.4	70.7	68.5	64.9	59.8
86°	46.7	53.8	59.4	63.3	65.7	66.9	67.2	66.2	63.7	59.9	54.5
86.5°	42.2	49.5	55.1	59.0	61.5	62.7	62.8	61.7	59.2	55.0	49.4
87°	38.0	45.4	51.0	55.0	57.6	58.8	58.8	57.5	54.9	50.6	44.7
87.5°	34.1	41.5	47.2	51.2	53.7	54.9	54.9	53.6	50.8	46.3	40.3
88°	30.6	37.9	43.5	47.6	50.1	51.2	51.3	49.8	46.9	42.4	36.2
88.5°	27.4	34.6	40.1	44.2	46.7	47.8	47.7	46.2	43.3	38.7	32.5



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	19.5	26.0	31.3	35.2	37.7	38.7	38.5	36.8	33.6	29.0	22.9
90.5°	17.6	23.7	28.8	32.6	35.0	36.0	35.7	34.1	31.0	26.4	20.4
91°	15.8	21.6	26.6	30.3	32.6	33.6	33.3	31.6	28.5	23.9	18.2
91.5°	14.3	19.8	24.5	28.1	30.4	31.3	30.9	29.3	26.2	21.8	16.3
92°	13.4	18.2	22.7	26.1	28.3	29.2	28.8	27.2	24.2	19.9	14.7
92.5°	12.5	16.9	21.1	24.3	26.4	27.2	26.9	25.2	22.3	18.3	13.6
93°	11.7	15.7	19.7	22.8	24.7	25.5	25.2	23.5	20.7	16.8	12.7
93.5°	10.8	14.7	18.5	21.4	23.3	24.0	23.6	22.0	19.3	15.6	11.7
94°	9.9	13.9	17.4	20.2	21.9	22.6	22.2	20.7	18.1	14.6	10.8
94.5°	9.5	13.2	16.5	19.1	20.8	21.4	21.0	19.5	17.0	13.7	9.8
95°	9.1	12.6	15.8	18.2	19.8	20.3	19.9	18.5	16.1	12.9	9.3
95.5°	8.8	12.1	15.1	17.4	18.9	19.4	19.0	17.6	15.3	12.3	8.9
96°	8.5	11.7	14.5	16.7	18.0	18.5	18.1	16.8	14.6	11.8	8.6
96.5°	8.2	11.4	13.9	16.0	17.3	17.8	17.4	16.1	14.0	11.4	8.3
97°	8.1	11.1	13.5	15.4	16.6	17.1	16.7	15.6	13.6	10.9	7.9
97.5°	7.9	10.7	13.1	14.9	16.1	16.5	16.2	15.1	13.2	10.5	7.6
98°	7.8	10.4	12.7	14.5	15.6	16.0	15.7	14.6	12.8	10.1	7.2
98.5°	7.7	10.1	12.3	14.0	15.1	15.5	15.2	14.2	12.3	9.7	7.0
99°	7.6	9.9	12.0	13.6	14.7	15.1	14.8	13.7	11.9	9.4	6.9
99.5°	7.5	9.8	11.7	13.3	14.3	14.6	14.3	13.3	11.6	9.0	6.8
100°	7.4	9.6	11.5	13.0	13.9	14.2	13.9	12.9	11.2	8.8	6.7
100.5°	7.3	9.5	11.3	12.7	13.6	13.9	13.5	12.5	10.9	8.7	6.6
101°	7.1	9.3	11.1	12.5	13.3	13.6	13.2	12.2	10.5	8.6	6.5
101.5°	7.0	9.2	10.9	12.2	13.0	13.3	12.9	11.8	10.2	8.4	6.4
102°	6.9	9.1	10.8	12.0	12.7	13.0	12.6	11.6	10.1	8.3	6.3
102.5°	6.8	9.0	10.6	11.8	12.5	12.7	12.3	11.4	10.0	8.2	6.2
103°	6.6	8.8	10.4	11.6	12.3	12.5	12.2	11.3	9.8	8.2	6.1
103.5°	6.5	8.7	10.3	11.4	12.1	12.4	12.0	11.2	9.7	8.1	5.9
104°	6.3	8.5	10.1	11.3	11.9	12.2	11.9	11.0	9.6	7.9	5.7
104.5°	6.2	8.4	10.0	11.1	11.8	12.0	11.7	10.9	9.5	7.8	5.6
105°	6.1	8.2	9.8	10.9	11.6	11.9	11.6	10.7	9.4	7.7	5.4
105.5°	5.9	8.0	9.6	10.7	11.4	11.7	11.4	10.6	9.3	7.5	5.2
106°	5.8	7.8	9.5	10.6	11.3	11.6	11.3	10.4	9.1	7.3	5.1
106.5°	5.7	7.7	9.3	10.4	11.1	11.4	11.1	10.3	9.0	7.1	4.9
107°	5.5	7.5	9.0	10.2	10.9	11.2	10.9	10.1	8.8	6.9	4.8
107.5°	5.4	7.4	8.8	10.0	10.7	11.0	10.7	9.9	8.6	6.7	4.7
108°	5.3	7.2	8.7	9.8	10.5	10.8	10.6	9.7	8.3	6.5	4.6
108.5°	5.1	7.1	8.5	9.6	10.3	10.6	10.4	9.5	8.1	6.3	4.5
109°	5.0	6.9	8.3	9.4	10.1	10.4	10.2	9.3	7.9	6.2	4.3
109.5°	4.8	6.8	8.2	9.2	9.8	10.2	9.9	9.0	7.7	6.0	4.2
110°	4.7	6.6	7.9	9.0	9.6	9.9	9.7	8.8	7.5	5.9	4.1
110.5°	4.6	6.4	7.8	8.8	9.4	9.7	9.4	8.6	7.3	5.7	4.0
111°	4.4	6.2	7.6	8.6	9.2	9.4	9.2	8.4	7.1	5.6	3.9



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	3.9	5.7	7.1	8.0	8.6	8.8	8.6	7.8	6.5	5.2	3.5
113°	3.8	5.6	7.0	7.8	8.4	8.6	8.4	7.6	6.4	5.1	3.4
113.5°	3.6	5.4	6.8	7.6	8.2	8.4	8.2	7.4	6.2	5.0	3.3
114°	3.5	5.2	6.6	7.5	8.0	8.2	8.0	7.2	6.0	4.8	3.2
114.5°	3.4	5.0	6.5	7.3	7.8	8.0	7.8	7.0	5.9	4.7	3.1
115°	3.3	4.8	6.3	7.2	7.6	7.8	7.6	6.9	5.7	4.5	3.0
115.5°	3.2	4.7	6.1	7.0	7.5	7.6	7.4	6.7	5.6	4.4	2.9
116°	3.2	4.5	5.9	6.8	7.3	7.4	7.2	6.5	5.4	4.2	2.8
116.5°	3.1	4.3	5.7	6.7	7.2	7.2	7.0	6.3	5.3	4.1	2.8
117°	3.1	4.2	5.5	6.5	7.0	7.0	6.8	6.1	5.1	3.9	2.7
117.5°	3.0	4.0	5.3	6.3	6.8	6.9	6.7	5.9	4.9	3.8	2.7
118°	3.0	3.9	5.1	6.1	6.6	6.7	6.5	5.8	4.7	3.7	2.6
118.5°	2.9	3.8	4.9	5.9	6.4	6.6	6.3	5.6	4.5	3.6	2.6
119°	2.8	3.7	4.7	5.7	6.3	6.4	6.1	5.4	4.4	3.5	2.4
119.5°	2.7	3.6	4.5	5.5	6.1	6.2	5.9	5.2	4.2	3.3	2.3
120°	2.6	3.5	4.4	5.3	5.9	6.0	5.7	5.0	4.0	3.2	2.2
120.5°	2.5	3.4	4.2	5.1	5.6	5.8	5.5	4.8	3.9	3.2	2.2
121°	2.4	3.3	4.1	4.9	5.4	5.6	5.3	4.6	3.8	3.1	2.1
121.5°	2.3	3.2	4.0	4.7	5.2	5.3	5.1	4.5	3.7	3.0	2.1
122°	2.4	3.2	3.8	4.5	5.0	5.1	4.9	4.3	3.5	2.9	2.1
122.5°	2.4	3.2	3.7	4.4	4.8	4.9	4.7	4.2	3.4	2.8	2.1
123°	2.4	3.1	3.6	4.2	4.6	4.8	4.6	4.0	3.3	2.7	2.2
123.5°	2.5	2.9	3.6	4.1	4.5	4.6	4.4	3.9	3.2	2.5	2.2
124°	2.5	2.8	3.5	4.0	4.3	4.4	4.3	3.8	3.2	2.4	2.3
124.5°	2.6	2.7	3.3	3.9	4.2	4.3	4.1	3.7	3.1	2.3	2.3
125°	2.6	2.5	3.3	3.8	4.1	4.1	4.0	3.6	3.0	2.2	2.3
125.5°	2.7	2.4	3.2	3.7	4.0	4.0	3.9	3.5	2.9	2.1	2.4
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	3.0	3.5	3.7	3.8	3.7	3.4	2.7	2.0	2.4
127°	2.8	2.4	2.8	3.4	3.7	3.7	3.6	3.3	2.5	2.0	2.5
127.5°	2.9	2.4	2.7	3.3	3.6	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	3.5	3.1	2.3	2.1	2.5
128.5°	3.0	2.5	2.4	3.1	3.4	3.4	3.4	2.9	2.2	2.1	2.5
129°	3.0	2.5	2.3	2.9	3.3	3.4	3.3	2.7	2.1	2.1	2.5
129.5°	3.1	2.6	2.3	2.8	3.2	3.3	3.1	2.6	2.1	2.2	2.5
130°	3.1	2.6	2.3	2.7	3.0	3.1	3.0	2.5	2.1	2.2	2.5
130.5°	3.1	2.6	2.4	2.5	2.9	2.9	2.8	2.4	2.1	2.3	2.5
131°	3.1	2.7	2.4	2.4	2.7	2.8	2.7	2.3	2.2	2.3	2.5
131.5°	3.2	2.7	2.4	2.3	2.6	2.7	2.5	2.2	2.2	2.3	2.6
132°	3.2	2.8	2.5	2.3	2.4	2.5	2.4	2.2	2.3	2.4	2.6
132.5°	3.3	2.8	2.5	2.3	2.3	2.4	2.3	2.2	2.3	2.4	2.7
133°	3.3	2.9	2.6	2.4	2.3	2.2	2.2	2.3	2.3	2.5	2.7
133.5°	3.4	2.9	2.6	2.4	2.3	2.2	2.3	2.3	2.4	2.6	2.8



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	3.6	3.1	2.7	2.5	2.4	2.3	2.4	2.4	2.5	2.7	3.1
135.5°	3.6	3.1	2.7	2.5	2.4	2.4	2.4	2.4	2.5	2.8	3.1
136°	3.7	3.1	2.8	2.6	2.5	2.4	2.5	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	2.9	3.2
137°	3.7	3.3	2.9	2.7	2.5	2.5	2.5	2.6	2.7	2.9	3.2
137.5°	3.7	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.7	3.0	3.1
138°	3.7	3.4	3.0	2.7	2.6	2.5	2.6	2.6	2.8	3.0	3.0
138.5°	3.6	3.4	3.0	2.8	2.6	2.6	2.6	2.7	2.9	3.1	3.0
139°	3.6	3.5	3.1	2.8	2.7	2.6	2.7	2.7	2.9	3.2	2.9
139.5°	3.6	3.5	3.1	2.8	2.7	2.6	2.7	2.8	3.0	3.3	2.9
140°	3.6	3.6	3.2	2.9	2.8	2.7	2.8	2.8	3.0	3.3	2.9
140.5°	3.5	3.6	3.3	2.9	2.8	2.7	2.8	2.9	3.1	3.3	2.9
141°	3.5	3.7	3.4	3.0	2.8	2.8	2.8	2.9	3.2	3.3	2.9
141.5°	3.5	3.7	3.5	3.0	2.9	2.8	2.9	3.0	3.3	3.3	2.9
142°	3.5	3.7	3.5	3.1	2.9	2.9	2.9	3.0	3.4	3.3	2.9
142.5°	3.5	3.6	3.5	3.2	3.0	2.9	3.0	3.1	3.4	3.2	2.9
143°	3.6	3.5	3.5	3.3	3.0	3.0	3.0	3.3	3.4	3.2	2.9
143.5°	3.6	3.5	3.6	3.4	3.1	3.1	3.1	3.4	3.4	3.1	2.9
144°	3.6	3.5	3.6	3.5	3.2	3.2	3.3	3.5	3.5	3.1	2.9
144.5°	3.5	3.4	3.7	3.5	3.4	3.3	3.4	3.5	3.5	3.1	2.9
145°	3.5	3.4	3.6	3.6	3.4	3.4	3.5	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	3.1	2.9
146°	3.5	3.4	3.4	3.6	3.5	3.5	3.5	3.6	3.2	3.1	2.9
146.5°	3.5	3.4	3.4	3.6	3.6	3.6	3.6	3.6	3.2	3.1	2.9
147°	3.6	3.4	3.4	3.6	3.6	3.6	3.6	3.5	3.2	3.1	2.9
147.5°	3.5	3.5	3.4	3.5	3.6	3.7	3.6	3.4	3.2	3.1	2.9
148°	3.5	3.4	3.4	3.4	3.5	3.6	3.6	3.3	3.2	3.1	2.9
148.5°	3.6	3.4	3.4	3.4	3.4	3.5	3.5	3.3	3.2	3.0	2.9
149°	3.6	3.4	3.4	3.4	3.4	3.5	3.4	3.3	3.2	3.0	2.9
149.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.0	2.9
150°	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.0	2.9
150.5°	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.0	2.9
151°	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	2.9	2.9
151.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	2.9	2.9
152°	3.7	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.1	2.9	2.9
152.5°	3.7	3.4	3.3	3.4	3.4	3.4	3.4	3.3	3.1	2.9	2.9
153°	3.7	3.4	3.3	3.4	3.4	3.4	3.4	3.3	3.1	2.9	2.9
153.5°	3.7	3.4	3.3	3.3	3.4	3.4	3.4	3.3	3.1	3.0	2.9
154°	3.7	3.4	3.3	3.3	3.3	3.4	3.3	3.3	3.1	3.0	2.9
154.5°	3.8	3.4	3.3	3.3	3.3	3.4	3.3	3.3	3.1	3.0	3.0
155°	3.8	3.5	3.3	3.3	3.3	3.4	3.3	3.2	3.1	3.0	3.0
155.5°	3.7	3.6	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0	3.0
156°	3.6	3.6	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563562

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

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: P563562

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1444.4	1444.4	1444.4	1444.4
0.5°	1444.1	1444.1	1444.1	1444.1
1°	1443.9	1443.9	1443.9	1443.9
1.5°	1443.6	1443.7	1443.7	1444.0
2°	1442.4	1443.0	1443.5	1443.7
2.5°	1441.1	1441.4	1442.6	1443.2
3°	1440.1	1440.9	1442.0	1442.1
3.5°	1439.4	1440.7	1441.0	1441.2
4°	1438.4	1439.9	1439.9	1440.6
4.5°	1436.4	1438.0	1438.4	1439.0
5°	1435.2	1436.3	1437.5	1438.1
5.5°	1434.2	1434.7	1436.1	1437.2
6°	1431.8	1433.7	1434.5	1436.0
6.5°	1429.7	1431.0	1432.9	1434.5
7°	1428.6	1429.0	1431.7	1433.1
7.5°	1425.9	1427.7	1428.6	1431.0
8°	1423.1	1425.1	1427.4	1429.6
8.5°	1420.2	1422.4	1425.3	1426.9
9°	1417.9	1419.9	1422.7	1425.3
9.5°	1415.1	1417.3	1420.1	1422.7
10°	1411.7	1414.0	1417.6	1419.8
10.5°	1408.9	1411.8	1414.3	1417.2
11°	1405.5	1409.3	1412.3	1414.2
11.5°	1402.1	1405.9	1409.5	1411.2
12°	1398.8	1402.5	1406.6	1408.2
12.5°	1394.8	1398.9	1403.1	1405.5
13°	1390.8	1395.1	1399.6	1402.1
13.5°	1387.0	1391.4	1396.3	1398.4
14°	1382.8	1387.6	1392.3	1394.9
14.5°	1378.5	1384.2	1388.3	1391.4
15°	1374.0	1379.7	1384.3	1387.4
15.5°	1369.2	1375.0	1380.2	1383.7
16°	1364.4	1370.7	1376.5	1379.2
16.5°	1359.5	1365.9	1372.5	1374.3
17°	1354.9	1361.2	1367.5	1369.7
17.5°	1349.8	1356.5	1362.2	1365.9
18°	1344.8	1351.8	1357.5	1361.7
18.5°	1339.6	1346.9	1352.8	1356.4
19°	1333.8	1341.6	1347.9	1351.3
19.5°	1327.5	1336.2	1342.7	1346.3
20°	1321.7	1330.6	1337.1	1341.2
20.5°	1316.3	1324.6	1331.8	1336.1
21°	1310.7	1318.6	1325.9	1331.0



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1290.9	1300.7	1308.9	1313.3
23°	1284.3	1294.4	1302.5	1308.0
23.5°	1277.6	1287.7	1296.1	1301.4
24°	1270.7	1281.4	1289.9	1295.2
24.5°	1263.6	1274.7	1283.6	1289.3
25°	1256.6	1267.6	1277.1	1282.9
25.5°	1248.9	1261.0	1270.0	1276.0
26°	1242.2	1253.8	1263.2	1269.3
26.5°	1234.5	1246.5	1256.2	1262.3
27°	1227.0	1239.3	1248.9	1255.3
27.5°	1218.9	1232.4	1241.7	1248.4
28°	1211.2	1224.2	1234.6	1240.8
28.5°	1203.0	1216.6	1227.0	1233.5
29°	1194.4	1208.6	1219.5	1226.7
29.5°	1187.0	1200.4	1211.6	1219.2
30°	1178.6	1192.9	1203.7	1211.1
30.5°	1169.9	1184.4	1196.0	1203.6
31°	1160.9	1176.5	1187.9	1195.8
31.5°	1152.8	1167.5	1179.6	1187.7
32°	1143.7	1159.1	1171.1	1179.0
32.5°	1135.0	1150.5	1162.8	1170.6
33°	1126.3	1142.2	1154.2	1162.6
33.5°	1117.6	1133.9	1145.5	1154.0
34°	1107.9	1124.7	1136.9	1145.1
34.5°	1099.0	1115.3	1127.7	1136.0
35°	1089.8	1106.6	1119.1	1127.6
35.5°	1080.1	1097.2	1110.1	1118.9
36°	1070.6	1088.1	1100.8	1109.8
36.5°	1061.1	1078.5	1092.4	1100.4
37°	1051.5	1069.0	1083.2	1091.3
37.5°	1042.1	1059.5	1074.1	1082.4
38°	1032.2	1050.0	1063.9	1073.6
38.5°	1021.3	1040.5	1053.9	1063.6
39°	1011.0	1030.5	1043.8	1053.2
39.5°	1000.9	1020.3	1033.9	1043.1
40°	990.9	1010.4	1024.6	1033.3
40.5°	980.8	1000.4	1014.9	1024.0
41°	970.2	990.0	1004.5	1014.0
41.5°	959.9	979.4	994.6	1003.7
42°	949.0	969.2	984.4	993.8
42.5°	938.5	959.0	973.8	983.9
43°	927.8	948.3	963.4	973.4
43.5°	917.2	937.6	953.2	962.6



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	884.7	906.1	921.5	931.0
45.5°	874.1	895.1	910.4	920.7
46°	863.0	884.4	899.7	909.6
46.5°	852.1	873.5	888.7	898.2
47°	841.5	862.6	878.0	887.3
47.5°	830.1	851.7	867.1	876.7
48°	819.2	840.1	855.8	866.1
48.5°	807.8	829.4	845.0	854.7
49°	796.8	818.4	834.0	844.0
49.5°	785.8	806.9	822.7	832.8
50°	774.3	795.7	811.3	821.6
50.5°	763.2	784.7	800.0	810.0
51°	752.5	773.1	789.0	798.9
51.5°	741.2	762.3	777.9	787.5
52°	729.6	750.8	766.1	776.5
52.5°	718.4	739.3	755.0	764.8
53°	707.0	728.1	743.3	753.4
53.5°	696.1	716.6	732.1	742.0
54°	684.8	705.2	720.6	730.6
54.5°	673.7	693.9	709.1	718.9
55°	662.6	682.6	697.7	707.1
55.5°	650.5	671.5	686.0	695.9
56°	639.3	659.3	674.3	684.0
56.5°	628.3	648.3	663.2	672.5
57°	617.2	636.8	651.5	661.4
57.5°	605.6	625.5	640.1	649.3
58°	594.4	613.5	628.1	637.5
58.5°	583.1	602.2	616.5	626.1
59°	572.3	590.6	605.0	614.2
59.5°	560.7	579.2	593.5	602.6
60°	549.5	567.6	581.9	590.7
60.5°	538.0	556.3	570.2	579.1
61°	527.2	544.9	558.3	567.4
61.5°	515.7	533.4	546.7	555.7
62°	504.6	522.0	535.0	543.9
62.5°	493.5	510.8	523.3	532.2
63°	482.6	499.1	511.7	520.5
63.5°	471.3	487.7	500.2	508.9
64°	460.0	476.3	488.4	497.0
64.5°	449.0	464.9	477.1	485.0
65°	438.4	453.3	465.4	473.1
65.5°	427.1	442.2	453.6	461.0
66°	416.6	431.2	442.1	449.0



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	383.8	397.3	407.7	414.1
68°	372.8	385.7	395.9	402.6
68.5°	362.0	374.7	384.1	390.8
69°	351.6	363.3	373.0	379.1
69.5°	340.9	352.2	361.4	367.6
70°	330.1	341.2	350.1	355.9
70.5°	319.5	330.2	338.6	344.3
71°	309.1	319.1	327.4	332.9
71.5°	298.6	308.1	315.9	321.4
72°	288.1	297.3	304.6	310.1
72.5°	277.7	286.5	293.2	298.7
73°	267.4	275.5	282.2	287.1
73.5°	257.5	265.0	271.1	275.5
74°	247.4	254.1	260.1	264.5
74.5°	237.1	243.5	249.1	253.3
75°	227.2	232.7	237.9	242.2
75.5°	217.4	222.5	227.0	230.9
76°	207.8	212.1	216.7	220.0
76.5°	198.1	202.0	205.6	209.2
77°	188.6	191.7	195.2	198.4
77.5°	179.0	181.9	184.6	187.5
78°	169.8	171.7	174.4	177.2
78.5°	160.8	162.1	163.8	166.5
79°	151.8	152.6	153.9	156.1
79.5°	143.0	143.2	144.3	145.9
80°	134.7	134.4	134.9	136.3
80.5°	126.5	125.5	125.5	126.3
81°	118.3	116.6	116.2	116.6
81.5°	110.0	107.7	106.8	107.1
82°	101.8	98.9	97.5	97.9
82.5°	94.1	90.7	88.6	88.4
83°	86.5	82.8	80.4	80.0
83.5°	79.3	74.9	72.0	71.6
84°	72.3	67.3	64.1	63.6
84.5°	65.8	60.2	56.5	55.7
85°	59.4	53.5	49.4	48.4
85.5°	53.5	47.0	42.5	42.1
86°	47.9	41.0	36.1	35.8
86.5°	42.6	35.4	30.1	29.5
87°	37.5	30.1	24.6	23.2
87.5°	33.0	25.4	20.8	17.8
88°	28.8	21.2	16.9	12.9
88.5°	25.1	18.4	13.0	8.7



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	16.0	10.0	3.7	2.8
90.5°	14.5	7.4	2.5	1.5
91°	12.9	6.0	1.8	0.3
91.5°	11.3	5.0	1.5	0.2
92°	9.8	4.4	1.3	0.2
92.5°	8.2	3.9	1.1	0.1
93°	7.5	3.6	1.0	0.1
93.5°	6.9	3.4	1.0	0.2
94°	6.5	3.1	0.9	0.2
94.5°	6.2	2.9	0.9	0.3
95°	5.9	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°	5.0	2.8	0.9	0.5
97°	4.8	2.7	0.8	0.5
97.5°	4.8	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°	4.7	2.3	0.8	0.7
99.5°	4.6	2.3	0.9	0.8
100°	4.6	2.2	0.9	0.9
100.5°	4.4	2.2	1.0	1.0
101°	4.3	2.2	1.1	1.1
101.5°	4.1	2.2	1.1	1.2
102°	4.0	2.2	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	1.4	1.5
104°	3.5	1.9	1.4	1.5
104.5°	3.4	1.8	1.4	1.5
105°	3.4	1.7	1.5	1.5
105.5°	3.3	1.7	1.5	1.5
106°	3.2	1.7	1.7	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°	2.7	1.5	1.9	1.5
109°	2.6	1.5	1.8	1.5
109.5°	2.4	1.5	1.8	1.5
110°	2.3	1.5	1.8	1.6
110.5°	2.3	1.5	1.8	1.6
111°	2.2	1.5	1.8	1.6



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	2.1	1.6	1.8	1.6
113°	2.1	1.7	1.8	1.6
113.5°	2.0	1.7	1.9	1.6
114°	1.9	1.8	1.9	1.7
114.5°	1.8	1.8	1.9	1.7
115°	1.8	1.8	1.9	1.7
115.5°	1.8	1.9	1.9	1.7
116°	1.8	1.9	1.9	1.7
116.5°	1.8	2.0	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	2.0	1.8
119.5°	2.1	2.4	2.0	1.8
120°	2.1	2.4	2.0	1.8
120.5°	2.1	2.4	2.1	1.8
121°	2.2	2.4	2.1	1.8
121.5°	2.2	2.4	2.1	1.8
122°	2.2	2.4	2.1	1.9
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°	2.3	2.2	2.1	1.9
124.5°	2.4	2.2	2.2	1.9
125°	2.4	2.2	2.2	2.0
125.5°	2.6	2.3	2.2	2.0
126°	2.7	2.5	2.2	2.0
126.5°	2.8	2.5	2.3	2.0
127°	2.9	2.6	2.3	2.0
127.5°	3.0	2.6	2.3	2.1
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°	3.0	2.6	2.4	2.1
130°	3.0	2.6	2.4	2.1
130.5°	3.0	2.6	2.3	2.1
131°	2.9	2.6	2.2	2.2
131.5°	2.8	2.6	2.2	2.2
132°	2.8	2.6	2.2	2.2
132.5°	2.7	2.6	2.3	2.2
133°	2.7	2.6	2.4	2.2
133.5°	2.7	2.5	2.5	2.2



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563562

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	3.1	2.4	1.7	1.5
158°	3.1	2.4	1.7	1.5
158.5°	3.1	2.3	1.7	1.5
159°	3.1	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°	3.2	2.3	1.6	1.5
162°	3.2	2.3	1.6	1.6
162.5°	3.1	2.2	1.6	1.6
163°	3.1	2.1	1.6	1.6
163.5°	3.2	2.0	1.5	1.6
164°	3.2	2.0	1.5	1.6
164.5°	2.8	2.0	1.5	1.6
165°	2.7	1.9	1.6	1.6
165.5°	2.9	1.8	1.6	1.6
166°	3.0	1.7	1.6	1.6
166.5°	2.6	1.7	1.6	1.6
167°	2.4	1.7	1.6	1.6
167.5°	2.8	1.9	1.6	1.6
168°	3.0	2.1	1.6	1.6
168.5°	2.7	2.1	1.7	1.7
169°	2.7	2.2	1.8	1.7
169.5°	2.8	2.3	1.8	1.7
170°	2.7	2.3	2.1	1.8
170.5°	2.7	2.3	2.2	2.0
171°	2.9	2.5	2.2	2.3
171.5°	2.9	2.6	2.4	2.3
172°	2.9	2.6	2.5	2.3
172.5°	2.9	2.7	2.5	2.4
173°	2.8	2.7	2.5	2.4
173.5°	2.8	2.7	2.6	2.4
174°	2.8	2.7	2.6	2.5
174.5°	2.8	2.7	2.7	2.6
175°	2.8	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: P563562

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

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°	1325.4	1328.6	1328.2	1325.8	1321.0	1315.2	1309.1	1304.0	1299.7	1297.5	1296.7
22°	1319.1	1322.6	1322.5	1319.7	1314.9	1308.9	1302.2	1296.9	1293.0	1290.1	1289.5



44°	952.1	955.6	951.2	941.1	924.8	904.7	884.4	866.8	854.0	847.6	848.5
44.5°	941.6	944.5	940.9	930.2	913.8	893.4	873.4	855.6	842.7	836.5	836.5



66.5°	437.3	441.4	440.3	434.2	424.2	410.4	397.8	386.6	378.5	373.8	372.5
67°	425.5	429.4	428.9	423.3	413.4	400.5	388.4	377.3	369.2	364.8	363.9



89°	5.4	10.5	20.1	31.0	41.3	48.4	54.1	57.5	58.7	58.2	56.1
89.5°	4.0	7.4	16.5	27.0	37.2	44.8	50.5	53.4	54.8	54.3	52.2



111.5°	1.6	1.6	1.3	1.2	1.6	2.4	3.5	4.5	5.2	5.4	5.2
112°	1.6	1.6	1.3	1.2	1.5	2.3	3.3	4.3	5.0	5.2	5.0



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



156.5°	1.5	2.4	2.8	2.7	2.7	2.7	2.9	3.2	3.3	3.5	3.5
157°	1.5	2.3	2.8	2.7	2.7	2.7	2.8	3.1	3.3	3.4	3.4



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





21.5°	1297.9	1301.3	1304.4	1308.2	1311.8	1313.4	1313.5	1311.8	1307.8	1301.7	1293.9
22°	1290.7	1293.9	1297.8	1302.1	1306.0	1307.3	1307.5	1305.9	1301.4	1295.2	1287.2



44°	854.7	867.4	883.8	899.3	913.1	923.0	926.8	925.2	918.5	906.1	888.0
44.5°	843.7	856.6	872.7	887.9	902.1	912.1	915.4	914.7	908.0	895.2	876.8



66.5°	375.2	381.0	388.8	396.7	403.7	408.3	407.3	406.5	401.5	394.4	384.0
67°	366.3	371.5	378.9	386.2	392.5	396.2	396.0	394.9	390.1	383.1	373.2



89°	52.3	47.0	40.4	30.8	20.7	11.0	4.5	0.7	3.7	10.2	16.8
89.5°	48.9	43.7	36.5	27.4	17.7	8.9	3.5	0.6	2.7	7.7	15.2



111.5°	4.6	3.6	2.6	2.0	2.0	2.4	3.0	2.7	3.1	2.3	2.7
112°	4.4	3.5	2.5	2.0	2.0	2.5	3.0	2.7	3.2	2.4	2.7



134°	2.9	3.3	3.8	4.6	4.7	3.7	3.3	3.0	3.8	4.0	3.7
134.5°	3.0	3.3	3.9	4.7	4.7	3.7	3.3	3.1	3.8	4.0	3.7



156.5°	3.4	3.2	3.1	3.2	3.2	3.0	2.9	2.5	2.7	3.0	3.4
157°	3.3	3.2	3.1	3.2	3.2	3.0	2.8	2.5	2.7	3.0	3.4



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





21.5°	1285.4	1276.4	1269.0	1262.8	1259.7	1259.0	1260.8	1266.3	1274.2	1284.2	1294.4
22°	1278.7	1268.8	1260.9	1255.5	1252.2	1250.7	1253.2	1258.1	1266.5	1276.7	1287.4



44°	867.8	845.5	825.7	809.9	800.2	797.7	802.7	815.2	834.3	857.4	883.1
44.5°	857.0	833.9	814.4	798.7	788.7	786.1	791.3	804.2	823.2	846.5	871.6



66.5°	372.5	360.6	350.4	342.7	338.2	337.8	341.2	348.7	359.6	373.8	389.4
67°	362.0	350.7	341.1	333.9	329.7	329.3	332.2	339.8	350.3	363.8	379.1



89°	24.5	31.4	36.9	40.9	43.5	44.6	44.4	42.8	39.8	35.1	28.9
89.5°	21.9	28.6	34.0	38.0	40.5	41.6	41.3	39.7	36.6	31.9	25.8



111.5°	4.3	6.1	7.5	8.4	9.0	9.2	9.0	8.2	6.9	5.5	3.7
112°	4.1	5.9	7.3	8.2	8.8	9.0	8.8	8.0	6.7	5.3	3.6



134°	3.5	3.0	2.6	2.4	2.3	2.3	2.3	2.3	2.4	2.6	2.9
134.5°	3.5	3.0	2.7	2.5	2.3	2.3	2.3	2.4	2.5	2.7	3.0



156.5°	3.7	3.6	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1
157°	3.8	3.6	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1



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





21.5°	1304.2	1313.2	1320.2	1325.4
22°	1297.3	1307.5	1314.9	1319.1



44°	906.6	927.4	942.3	952.1
44.5°	896.4	916.5	932.0	941.6



66.5°	405.3	419.8	430.6	437.3
67°	394.4	408.5	419.3	425.5



89°	21.7	15.6	9.1	5.4
89.5°	18.7	12.8	5.4	4.0



111.5°	2.2	1.6	1.8	1.6
112°	2.1	1.6	1.8	1.6



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



(END OF REPORT)