

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: P563534

Luminaire Tested: **4NWS35C3R-3000K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563534
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: 4NWS35C3R-3000K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K
Light Source: -
Ballast/Driver:

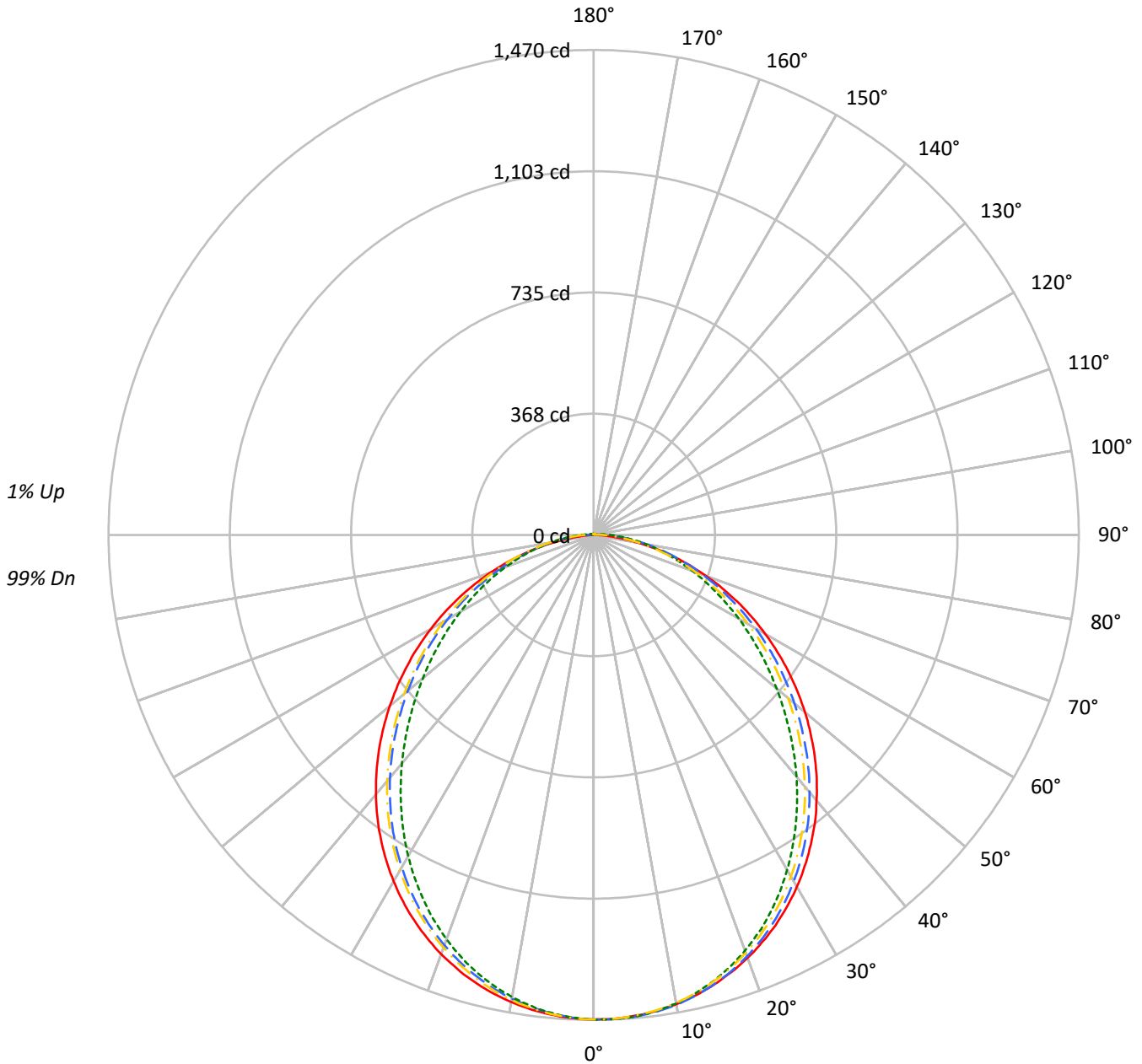
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3830.0 lumens
Efficiency: N/A
Efficacy: 107.0 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): 35.8
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°	8929	8929	8929	8929
5°	8908	8795	8892	8730
10°	8880	8619	8841	8500
15°	8830	8392	8769	8220
20°	8757	8117	8679	7897
25°	8667	7797	8558	7524
30°	8543	7424	8407	7117
35°	8387	7006	8225	6668
40°	8195	6553	8004	6195
45°	7973	6075	7744	5705
50°	7710	5591	7439	5220
55°	7401	5126	7087	4745
60°	7049	4663	6680	4279
65°	6625	4192	6188	3806
70°	6085	3720	5562	3316
75°	5371	3228	4715	2792
80°	4341	2699	3530	2241
85°	2774	2157	1781	1713



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.6	3.6
10°-20°	393.5	10.3
20°-30°	584.4	15.3
30°-40°	681.2	17.8
40°-50°	674.4	17.6
50°-60°	579.2	15.1
60°-70°	423.9	11.1
70°-80°	240.6	6.3
80°-90°	80.2	2.1
90°-100°	14.5	0.4
100°-110°	6.1	0.2
110°-120°	3.6	0.1
120°-130°	2.6	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°	1116.6	29.2
0°-40°	1797.8	46.9
0°-60°	3051.4	79.7
0°-90°	3796.0	99.1
90°-120°	24.3	0.6
90°-150°	31.4	0.8
90°-180°	34.0	0.9
0°-180°	3830.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1469	1469	1469	1469	1469	
5°	1462	1465	1460	1454	1462	139
15°	1411	1401	1401	1372	1411	398
25°	1305	1264	1288	1220	1305	601
35°	1147	1068	1125	1016	1147	717
45°	947	839	920	788	947	730
55°	719	613	689	568	719	643
65°	481	409	449	371	481	476
75°	246	234	216	202	246	261
85°	49	97	32	77	49	59
90°	3	51	1	39	3	2
95°	0	25	1	21	0	0
105°	2	9	2	12	2	2
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	4	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°	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0
0.5°	1468.6	1468.7	1468.8	1468.9	1469.1	1469.2	1469.3	1469.3	1469.3	1469.4	1469.3
1°	1468.5	1468.6	1468.9	1469.2	1469.4	1469.4	1469.5	1469.5	1469.0	1468.5	1468.9
1.5°	1468.5	1469.1	1469.1	1468.6	1468.4	1468.6	1469.1	1469.5	1469.0	1469.7	1469.8
2°	1468.2	1468.6	1468.7	1468.7	1468.9	1469.4	1469.7	1469.7	1468.9	1469.0	1469.3
2.5°	1467.7	1468.1	1468.1	1468.2	1468.3	1467.8	1468.0	1467.9	1469.4	1468.5	1467.9
3°	1466.6	1467.0	1467.6	1467.9	1468.3	1468.3	1468.7	1468.9	1468.4	1468.3	1468.3
3.5°	1465.7	1466.4	1467.0	1468.1	1467.7	1468.0	1468.0	1467.6	1468.1	1467.1	1466.7
4°	1465.0	1466.3	1465.9	1467.3	1467.0	1467.2	1467.1	1466.8	1466.1	1467.7	1466.3
4.5°	1463.5	1464.6	1465.1	1465.9	1466.7	1466.6	1466.0	1466.6	1466.1	1466.2	1464.8
5°	1462.5	1463.7	1464.1	1464.7	1465.5	1465.5	1464.1	1464.7	1465.1	1465.0	1463.8
5.5°	1461.6	1462.7	1463.2	1463.5	1464.0	1463.5	1463.1	1463.1	1463.7	1463.4	1462.0
6°	1460.4	1461.4	1461.7	1462.4	1463.1	1462.4	1462.1	1461.6	1461.8	1461.4	1459.9
6.5°	1458.8	1460.1	1460.3	1460.7	1461.6	1460.9	1461.1	1460.1	1460.1	1460.0	1458.4
7°	1457.4	1458.1	1459.3	1458.9	1459.0	1458.2	1459.4	1458.1	1457.9	1457.8	1456.6
7.5°	1455.4	1456.1	1457.2	1458.0	1457.8	1457.1	1456.7	1456.2	1455.6	1454.5	1454.6
8°	1453.8	1453.9	1455.5	1455.7	1455.6	1455.1	1454.5	1454.1	1453.6	1452.8	1452.4
8.5°	1451.1	1451.4	1453.6	1453.2	1453.6	1453.2	1452.3	1451.7	1450.8	1450.2	1449.2
9°	1449.5	1450.8	1451.0	1451.5	1451.6	1451.0	1449.5	1449.2	1448.1	1448.5	1446.4
9.5°	1446.9	1448.2	1449.2	1448.9	1449.2	1447.9	1446.2	1446.2	1445.5	1444.1	1443.5
10°	1444.0	1445.6	1446.5	1446.6	1446.3	1445.3	1443.7	1442.7	1442.2	1442.5	1441.1
10.5°	1441.3	1442.7	1444.0	1444.1	1443.5	1442.4	1440.5	1439.5	1438.9	1438.7	1437.5
11°	1438.3	1439.3	1440.9	1441.0	1440.5	1439.8	1436.9	1436.5	1436.2	1435.2	1434.1
11.5°	1435.2	1437.1	1437.8	1438.2	1437.0	1436.5	1433.7	1433.4	1432.4	1431.7	1430.4
12°	1432.2	1433.9	1435.2	1435.4	1434.0	1432.8	1430.8	1429.6	1427.6	1428.0	1425.9
12.5°	1429.4	1430.7	1432.0	1432.1	1430.2	1429.4	1427.2	1425.7	1424.0	1423.6	1422.5
13°	1426.0	1427.8	1428.8	1428.3	1426.2	1425.9	1423.1	1421.9	1420.3	1418.8	1418.2
13.5°	1422.2	1424.4	1425.4	1425.0	1422.8	1422.0	1418.4	1417.3	1415.9	1414.2	1412.9
14°	1418.6	1420.7	1421.6	1421.7	1418.9	1417.3	1414.7	1412.9	1411.3	1409.4	1408.8
14.5°	1415.1	1417.1	1417.9	1417.9	1414.6	1413.4	1410.9	1408.2	1405.9	1405.4	1403.5
15°	1411.0	1413.3	1413.9	1413.5	1411.0	1409.3	1406.0	1403.6	1401.4	1400.6	1399.4
15.5°	1407.2	1409.5	1409.5	1408.9	1407.0	1404.9	1400.7	1399.1	1396.3	1395.6	1393.8
16°	1402.7	1405.4	1405.8	1404.8	1402.2	1399.9	1396.1	1393.8	1391.6	1389.8	1388.2
16.5°	1397.6	1401.1	1401.8	1400.7	1397.6	1395.0	1390.9	1388.2	1386.0	1383.8	1383.3
17°	1393.0	1396.8	1396.8	1396.3	1393.3	1390.1	1385.9	1382.6	1380.1	1378.9	1378.2
17.5°	1389.1	1391.9	1392.3	1391.2	1388.4	1384.7	1379.7	1377.1	1373.9	1373.3	1371.7
18°	1384.8	1387.0	1387.7	1386.3	1383.0	1379.5	1374.7	1371.4	1368.2	1366.6	1365.9
18.5°	1379.4	1382.9	1383.3	1381.7	1378.0	1374.2	1368.9	1365.2	1362.6	1360.4	1359.6
19°	1374.3	1378.1	1378.5	1376.3	1372.8	1368.4	1363.5	1359.1	1356.0	1354.0	1353.7
19.5°	1369.1	1372.5	1372.8	1370.9	1367.0	1362.3	1357.0	1353.0	1349.2	1348.3	1346.0
20°	1364.0	1367.2	1367.1	1365.4	1361.4	1356.3	1350.4	1346.3	1342.9	1340.4	1339.8
20.5°	1358.8	1362.1	1361.9	1359.9	1355.8	1350.6	1344.0	1339.5	1336.3	1333.9	1332.7
21°	1353.6	1356.8	1356.4	1354.1	1349.3	1344.1	1338.0	1332.7	1329.5	1326.4	1325.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1335.6	1339.0	1339.2	1335.9	1331.0	1324.6	1317.4	1311.7	1307.4	1305.0	1303.4
23°	1330.2	1333.1	1332.8	1329.7	1324.6	1318.0	1310.5	1304.3	1299.6	1298.0	1296.2
23.5°	1323.5	1327.1	1326.7	1323.3	1318.0	1310.8	1303.4	1296.5	1291.7	1289.4	1288.1
24°	1317.2	1320.8	1320.6	1316.6	1310.9	1303.8	1295.3	1288.7	1283.8	1281.4	1280.4
24.5°	1311.2	1314.3	1313.8	1310.2	1303.7	1296.4	1288.7	1281.3	1275.8	1273.1	1271.7
25°	1304.7	1308.1	1307.1	1303.4	1297.0	1288.9	1280.9	1273.3	1267.5	1264.2	1263.6
25.5°	1297.7	1301.1	1300.4	1296.3	1290.4	1281.4	1272.7	1265.0	1259.4	1256.2	1254.9
26°	1290.9	1293.8	1293.5	1288.7	1283.0	1273.4	1264.4	1256.3	1250.2	1246.7	1246.5
26.5°	1283.7	1287.1	1285.6	1282.1	1274.7	1265.6	1256.0	1248.0	1241.8	1238.6	1237.3
27°	1276.6	1280.6	1278.7	1274.2	1266.9	1257.8	1247.8	1239.4	1233.0	1229.0	1228.9
27.5°	1269.6	1273.3	1271.9	1266.4	1259.2	1249.3	1240.2	1230.5	1223.3	1220.6	1219.7
28°	1261.9	1265.9	1264.7	1259.2	1251.4	1241.1	1230.4	1221.9	1214.6	1211.1	1209.9
28.5°	1254.5	1258.4	1257.1	1251.7	1243.8	1233.1	1222.0	1212.9	1204.8	1200.8	1200.3
29°	1247.6	1251.0	1249.5	1243.7	1235.1	1224.3	1213.4	1203.5	1196.4	1192.2	1191.1
29.5°	1239.9	1243.5	1241.4	1236.1	1226.8	1215.7	1204.8	1194.2	1185.8	1182.3	1182.3
30°	1231.7	1235.0	1233.6	1227.3	1218.4	1206.8	1195.1	1184.8	1176.6	1172.2	1172.6
30.5°	1224.0	1227.1	1225.5	1219.7	1209.9	1197.6	1185.9	1175.2	1165.8	1162.6	1161.9
31°	1216.2	1219.6	1217.2	1211.4	1201.7	1189.0	1176.2	1165.3	1157.0	1152.8	1151.7
31.5°	1207.9	1211.6	1209.1	1202.5	1192.9	1180.1	1166.7	1155.2	1146.8	1142.3	1141.3
32°	1199.0	1202.5	1200.4	1193.5	1183.6	1170.4	1157.3	1145.6	1136.6	1131.7	1131.4
32.5°	1190.5	1194.0	1191.9	1184.5	1174.4	1160.9	1147.7	1135.8	1127.1	1121.4	1121.2
33°	1182.4	1185.8	1183.2	1176.4	1165.3	1151.8	1138.1	1125.4	1116.5	1111.2	1111.0
33.5°	1173.6	1177.0	1174.6	1167.6	1156.4	1142.3	1128.2	1115.5	1105.6	1100.4	1100.1
34°	1164.5	1168.5	1165.7	1158.2	1147.2	1132.2	1117.6	1104.9	1095.1	1089.6	1089.5
34.5°	1155.3	1159.5	1156.7	1149.1	1137.8	1122.4	1107.4	1093.7	1084.1	1079.1	1078.5
35°	1146.7	1150.5	1148.0	1140.0	1127.9	1112.6	1097.4	1083.3	1073.0	1068.1	1068.0
35.5°	1137.9	1141.3	1139.1	1130.8	1118.1	1102.4	1086.9	1072.8	1062.2	1057.3	1057.0
36°	1128.6	1132.6	1129.1	1121.4	1108.6	1092.3	1076.6	1062.2	1051.1	1046.4	1045.9
36.5°	1119.1	1122.8	1119.9	1111.3	1099.1	1082.4	1066.1	1051.1	1040.3	1034.7	1035.3
37°	1109.9	1113.1	1110.4	1101.9	1089.0	1072.4	1055.7	1040.6	1028.6	1023.7	1024.0
37.5°	1100.8	1103.5	1100.7	1092.3	1078.8	1061.9	1044.7	1029.5	1017.9	1012.5	1012.6
38°	1091.8	1094.0	1091.5	1082.0	1068.7	1051.3	1033.8	1018.5	1007.0	1001.0	1000.8
38.5°	1081.7	1084.4	1080.9	1072.2	1058.3	1040.8	1023.0	1007.2	995.8	990.3	989.9
39°	1071.1	1074.6	1071.3	1062.1	1048.0	1030.3	1012.3	996.1	984.7	978.5	978.0
39.5°	1060.8	1065.1	1061.3	1052.1	1037.4	1019.2	1001.4	984.9	972.7	967.4	967.3
40°	1050.8	1054.8	1051.5	1041.3	1027.0	1008.2	989.9	973.7	961.3	955.7	955.8
40.5°	1041.4	1044.6	1041.4	1031.4	1016.4	997.6	978.8	962.2	949.6	944.1	943.7
41°	1031.3	1034.3	1031.1	1020.8	1005.8	986.5	967.7	951.0	938.3	932.7	932.0
41.5°	1020.7	1023.9	1020.4	1010.7	995.1	975.7	956.2	939.2	926.1	920.7	920.6
42°	1010.7	1014.1	1010.3	999.6	984.6	964.9	945.6	928.0	915.2	909.7	908.9
42.5°	1000.6	1003.7	999.7	989.6	973.1	953.6	934.2	916.7	903.6	897.7	897.2
43°	990.0	993.0	989.2	978.1	962.2	942.4	922.7	905.0	892.0	886.3	885.8
43.5°	978.9	982.6	978.4	967.9	951.8	931.3	911.2	893.4	880.2	874.3	874.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	946.8	950.1	945.9	934.8	918.7	897.4	877.0	858.7	845.2	839.2	839.1
45.5°	936.3	939.3	934.9	923.6	907.0	886.1	865.5	847.1	834.0	827.3	827.4
46°	925.0	928.4	924.1	912.6	895.7	874.6	853.7	835.6	822.7	815.3	816.0
46.5°	913.5	917.0	912.8	901.4	884.4	863.1	841.9	824.0	810.4	804.4	804.6
47°	902.3	906.2	902.4	890.3	873.3	851.7	830.5	812.2	798.7	792.8	792.5
47.5°	891.6	894.9	891.0	879.6	862.3	840.3	819.4	800.2	787.2	781.2	780.8
48°	880.8	883.9	879.6	868.5	851.2	828.8	807.8	789.0	776.0	769.2	769.8
48.5°	869.2	872.2	868.0	856.9	839.5	817.4	796.6	777.6	764.0	758.1	758.3
49°	858.4	861.8	856.7	844.9	828.0	806.0	784.8	766.2	752.8	746.3	746.3
49.5°	846.9	850.0	846.2	834.1	816.4	794.4	773.5	754.6	741.1	734.9	735.2
50°	835.5	839.0	834.4	822.9	804.8	782.8	762.2	743.1	730.3	723.3	723.6
50.5°	823.8	827.4	823.0	811.7	793.6	771.5	750.6	731.6	718.2	712.1	711.9
51°	812.5	816.0	811.3	799.5	782.3	760.0	739.2	720.6	707.6	700.6	700.3
51.5°	800.9	804.5	799.8	788.4	770.8	748.6	727.4	709.1	695.7	690.2	689.6
52°	789.7	793.2	788.7	776.8	759.2	737.5	716.4	698.1	684.9	678.2	678.4
52.5°	777.8	781.2	776.5	765.2	747.5	725.6	704.9	686.8	674.0	667.5	667.4
53°	766.2	769.8	765.3	753.5	735.9	714.1	693.5	675.6	662.9	656.0	655.8
53.5°	754.6	757.8	753.4	742.0	724.3	702.8	682.4	664.5	651.0	645.5	644.8
54°	743.0	746.1	742.0	730.7	713.0	691.4	671.2	653.2	640.5	634.0	634.3
54.5°	731.1	734.6	730.1	719.0	701.9	679.8	659.5	642.0	629.2	623.2	623.2
55°	719.1	723.0	718.7	707.4	689.9	668.3	648.3	630.9	618.6	613.2	611.9
55.5°	707.7	711.1	706.7	696.0	678.9	657.4	637.2	619.7	607.4	601.9	600.9
56°	695.6	699.1	695.3	684.2	667.4	646.4	626.5	608.8	596.9	590.9	590.5
56.5°	684.0	687.6	683.5	672.7	656.0	635.0	615.2	598.1	586.3	580.3	579.9
57°	672.6	675.6	671.6	660.9	644.1	623.7	604.1	587.3	575.2	569.9	569.2
57.5°	660.4	664.3	659.5	649.5	633.1	612.7	593.2	576.4	564.9	559.2	558.5
58°	648.3	652.0	648.5	637.4	621.0	601.6	582.4	566.0	554.3	548.3	548.5
58.5°	636.8	640.2	636.3	626.2	609.9	590.1	571.3	555.1	543.9	538.1	537.8
59°	624.7	628.8	624.6	614.6	598.7	579.1	560.4	544.3	533.8	528.3	527.4
59.5°	612.9	616.4	612.8	603.1	587.3	568.0	549.8	534.3	523.5	518.4	516.6
60°	600.7	604.6	601.3	591.3	575.8	557.0	538.9	524.1	513.3	508.1	506.4
60.5°	588.9	592.4	589.3	579.9	565.2	546.1	528.8	514.0	503.0	497.7	496.3
61°	577.0	580.3	577.5	568.4	553.9	535.4	515.4	503.4	492.6	487.3	486.1
61.5°	565.2	569.0	565.4	556.2	542.2	524.3	504.6	492.8	482.3	476.9	475.9
62°	553.2	557.2	554.3	545.1	530.6	513.1	494.8	482.4	471.9	466.5	465.8
62.5°	541.3	544.9	542.5	533.9	519.8	502.3	484.9	472.0	461.6	456.4	455.6
63°	529.3	533.2	530.6	522.3	508.6	491.6	475.1	461.6	451.8	446.8	445.9
63.5°	517.5	521.0	518.8	510.3	497.3	480.8	465.3	451.7	442.1	437.1	436.4
64°	505.4	508.9	506.6	500.1	486.0	470.0	454.7	441.9	432.5	427.6	426.6
64.5°	493.2	496.9	494.8	496.3	475.1	459.3	444.7	431.9	422.8	417.8	416.8
65°	481.1	484.8	483.1	482.5	464.8	448.6	434.7	422.2	413.1	408.6	407.4
65.5°	468.9	472.7	471.3	468.8	453.6	438.0	424.4	412.4	403.7	398.8	397.7
66°	456.6	460.7	459.6	455.1	442.4	427.6	414.3	402.7	394.4	389.5	388.6



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	421.1	424.9	424.5	419.2	409.6	396.9	384.8	374.5	366.5	361.9	360.7
68°	409.5	413.2	412.7	408.0	398.8	386.7	375.0	365.0	357.5	353.0	351.7
68.5°	397.5	401.4	401.5	396.4	388.1	376.5	365.5	355.6	348.5	344.2	342.2
69°	385.6	389.7	390.0	386.0	377.5	366.2	355.9	346.5	339.0	335.1	333.6
69.5°	373.8	378.3	378.4	374.9	367.2	356.3	346.3	337.2	330.1	326.0	324.6
70°	361.9	366.4	367.1	363.9	356.7	346.5	336.9	327.9	321.3	317.1	315.7
70.5°	350.1	354.6	355.7	352.7	346.6	336.8	327.6	319.1	312.7	308.6	306.9
71°	338.6	342.7	344.4	342.1	335.9	326.9	318.2	310.1	304.1	300.1	298.5
71.5°	326.8	331.4	332.7	330.9	325.7	317.1	309.0	301.4	295.1	291.4	289.9
72°	315.4	319.8	321.7	320.0	315.4	307.4	299.6	292.5	286.5	282.7	281.2
72.5°	303.8	308.2	310.6	309.4	304.9	297.6	290.7	283.6	278.0	274.7	272.7
73°	292.0	296.8	299.7	299.0	295.1	288.1	281.5	274.9	269.7	266.1	264.2
73.5°	280.2	285.4	288.3	288.3	285.0	279.2	272.5	266.3	261.2	257.9	256.0
74°	269.0	273.7	277.3	278.0	275.1	269.6	263.7	257.8	253.2	249.6	247.7
74.5°	257.7	262.8	266.4	267.3	265.2	260.1	255.0	249.4	244.9	241.7	240.0
75°	246.4	251.5	255.5	256.9	255.4	250.9	246.2	241.2	236.8	233.6	231.7
75.5°	234.8	240.5	244.6	246.5	245.8	241.8	237.6	232.9	228.7	225.8	223.8
76°	223.7	229.2	234.0	236.5	235.8	232.6	229.1	224.7	220.9	218.0	215.8
76.5°	212.7	218.5	223.3	226.3	226.4	223.8	220.4	216.6	213.1	210.3	208.1
77°	201.8	207.3	212.8	216.2	217.1	215.1	212.2	208.5	205.2	202.4	200.2
77.5°	190.7	196.7	202.5	206.3	207.8	206.4	203.9	200.7	197.5	195.0	192.7
78°	180.2	186.0	192.0	196.7	198.5	197.8	195.8	192.9	190.2	187.6	185.4
78.5°	169.3	175.6	181.8	186.9	189.4	189.2	187.6	185.3	182.8	180.2	178.1
79°	158.7	165.2	171.9	177.4	180.4	180.7	179.8	177.7	175.4	173.0	170.7
79.5°	148.4	154.6	161.9	167.9	171.6	172.4	172.1	170.3	168.2	166.0	163.7
80°	138.6	144.6	152.0	158.8	162.9	164.3	164.3	162.9	161.2	159.1	156.7
80.5°	128.4	134.8	142.6	149.6	154.3	156.4	156.7	155.8	154.3	152.1	149.9
81°	118.6	125.1	133.2	140.6	145.9	148.5	149.5	148.8	147.5	145.4	143.2
81.5°	108.9	115.5	124.0	131.8	137.7	140.7	142.3	142.0	140.9	139.1	136.6
82°	99.5	106.1	114.8	123.3	129.6	133.2	135.1	135.3	134.4	132.5	130.2
82.5°	89.9	97.0	106.2	114.9	121.6	126.0	128.2	128.6	127.9	126.1	123.8
83°	81.4	88.2	97.4	106.7	113.9	118.8	121.5	122.1	121.6	120.2	117.8
83.5°	72.8	79.7	89.1	98.8	106.6	111.7	114.9	115.9	115.8	114.2	111.8
84°	64.7	71.5	81.0	91.1	99.3	104.9	108.5	109.9	109.7	108.3	106.0
84.5°	56.6	63.5	73.4	83.6	92.2	98.4	102.1	103.9	104.0	102.7	100.4
85°	49.2	55.9	65.8	76.4	85.6	92.0	96.1	98.1	98.4	97.2	94.8
85.5°	42.8	49.0	58.9	69.7	79.0	85.8	90.2	92.5	92.9	91.7	89.5
86°	36.4	42.8	52.0	63.1	72.8	80.0	84.6	87.0	87.6	86.6	84.3
86.5°	30.0	36.6	46.5	56.9	66.8	74.3	79.1	81.9	82.5	81.6	79.4
87°	23.6	30.4	41.0	50.6	61.2	68.7	73.9	76.9	77.6	76.9	74.6
87.5°	18.1	24.1	35.6	45.8	55.6	63.6	68.9	71.9	72.9	72.2	70.0
88°	13.1	19.0	30.1	41.1	50.3	58.6	64.1	67.2	68.4	67.6	65.4
88.5°	8.8	14.6	24.6	36.3	46.2	53.7	59.4	62.7	63.9	63.3	61.2



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	2.8	5.2	13.6	23.8	33.7	41.9	47.8	50.7	52.0	51.4	49.9
90.5°	1.5	4.2	11.0	20.6	30.0	38.2	44.3	47.5	48.9	48.4	46.8
91°	0.3	3.3	8.9	17.6	26.8	34.6	40.7	44.2	45.7	45.3	43.6
91.5°	0.2	2.3	7.2	15.2	23.8	31.3	37.2	41.0	42.6	42.2	40.4
92°	0.2	1.4	5.8	13.1	21.2	28.4	34.0	37.7	39.4	39.2	37.2
92.5°	0.1	1.1	5.2	11.3	18.8	25.8	31.1	34.7	36.3	36.1	34.5
93°	0.1	0.9	4.6	9.8	16.7	23.4	28.6	32.0	33.7	33.6	31.9
93.5°	0.2	0.7	3.9	8.5	14.9	21.1	26.2	29.6	31.2	31.1	29.6
94°	0.2	0.6	3.3	7.6	13.3	19.2	24.0	27.3	28.9	28.9	27.4
94.5°	0.3	0.5	3.0	6.8	12.0	17.4	22.0	25.1	26.7	26.8	25.4
95°	0.3	0.5	2.7	6.2	10.8	15.8	20.2	23.2	24.8	24.8	23.5
95.5°	0.4	0.5	2.4	5.8	9.9	14.4	18.5	21.4	23.0	23.0	21.9
96°	0.4	0.5	2.2	5.4	9.1	13.3	17.1	19.8	21.3	21.4	20.3
96.5°	0.5	0.6	2.0	5.0	8.5	12.3	15.8	18.4	19.8	20.0	18.9
97°	0.5	0.6	1.8	4.7	8.0	11.4	14.7	17.2	18.5	18.6	17.7
97.5°	0.6	0.6	1.6	4.3	7.6	10.7	13.7	16.0	17.3	17.5	16.6
98°	0.6	0.7	1.5	4.0	7.2	10.1	12.9	15.0	16.3	16.4	15.6
98.5°	0.7	0.7	1.4	3.8	6.8	9.6	12.2	14.2	15.3	15.5	14.8
99°	0.8	0.7	1.2	3.5	6.4	9.2	11.6	13.4	14.5	14.7	14.1
99.5°	0.8	0.8	1.2	3.3	6.0	8.8	11.1	12.8	13.8	14.0	13.4
100°	0.9	0.9	1.1	3.1	5.7	8.4	10.6	12.3	13.2	13.4	12.9
100.5°	1.0	0.9	1.1	2.8	5.4	8.0	10.2	11.8	12.7	12.9	12.4
101°	1.1	1.0	1.1	2.6	5.1	7.6	9.8	11.4	12.3	12.5	12.0
101.5°	1.2	1.0	1.1	2.4	4.8	7.2	9.3	10.9	11.8	12.0	11.6
102°	1.3	1.1	1.1	2.3	4.5	6.9	8.9	10.5	11.4	11.6	11.1
102.5°	1.4	1.2	1.1	2.1	4.3	6.6	8.5	10.1	11.0	11.2	10.8
103°	1.4	1.2	1.1	2.0	4.0	6.2	8.2	9.7	10.5	10.8	10.4
103.5°	1.5	1.2	1.0	1.8	3.7	5.9	7.8	9.3	10.1	10.4	10.0
104°	1.5	1.3	1.0	1.7	3.5	5.6	7.5	8.9	9.8	10.0	9.6
104.5°	1.5	1.3	1.0	1.6	3.3	5.3	7.1	8.5	9.4	9.6	9.2
105°	1.6	1.5	1.0	1.5	3.1	5.1	6.8	8.2	9.1	9.2	8.9
105.5°	1.5	1.7	1.0	1.4	2.9	4.8	6.5	7.8	8.7	8.9	8.5
106°	1.5	1.7	1.0	1.4	2.7	4.5	6.2	7.5	8.4	8.6	8.2
106.5°	1.5	1.5	1.0	1.4	2.6	4.3	5.9	7.2	8.1	8.3	7.9
107°	1.5	1.5	1.1	1.3	2.4	4.0	5.7	6.9	7.7	8.0	7.6
107.5°	1.5	1.5	1.1	1.3	2.3	3.8	5.4	6.6	7.4	7.7	7.3
108°	1.5	1.5	1.1	1.3	2.1	3.6	5.1	6.3	7.1	7.4	7.0
108.5°	1.5	1.5	1.1	1.2	2.0	3.4	4.9	6.0	6.8	7.1	6.8
109°	1.6	1.6	1.2	1.2	1.9	3.2	4.6	5.8	6.6	6.8	6.5
109.5°	1.6	1.6	1.2	1.2	1.8	3.1	4.4	5.5	6.3	6.5	6.3
110°	1.6	1.6	1.2	1.1	1.7	2.9	4.1	5.3	6.0	6.3	6.0
110.5°	1.6	1.6	1.2	1.1	1.7	2.7	3.9	5.0	5.8	6.0	5.8
111°	1.6	1.6	1.3	1.2	1.6	2.6	3.7	4.8	5.6	5.8	5.6



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.6	1.6	1.4	1.2	1.5	2.2	3.2	4.2	4.8	5.0	4.9
113°	1.6	1.6	1.4	1.3	1.5	2.1	3.0	3.9	4.6	4.8	4.6
113.5°	1.7	1.6	1.5	1.3	1.5	2.0	2.8	3.7	4.4	4.6	4.4
114°	1.7	1.6	1.5	1.3	1.4	1.9	2.7	3.6	4.2	4.4	4.2
114.5°	1.7	1.6	1.6	1.3	1.4	1.9	2.6	3.4	4.0	4.2	4.1
115°	1.7	1.6	1.6	1.4	1.3	1.9	2.5	3.2	3.8	4.0	3.9
115.5°	1.7	1.7	1.6	1.4	1.3	1.8	2.4	3.1	3.6	3.9	3.7
116°	1.7	1.7	1.7	1.4	1.4	1.8	2.3	2.9	3.5	3.7	3.6
116.5°	1.7	1.7	1.8	1.4	1.4	1.8	2.2	2.8	3.3	3.5	3.4
117°	1.7	1.8	1.9	1.5	1.4	1.7	2.2	2.7	3.2	3.4	3.3
117.5°	1.7	1.8	2.0	1.5	1.4	1.7	2.1	2.6	3.0	3.2	3.2
118°	1.7	1.9	2.1	1.5	1.4	1.6	2.0	2.5	2.9	3.1	3.1
118.5°	1.8	1.9	2.1	1.5	1.4	1.6	2.0	2.4	2.8	3.0	3.0
119°	1.8	1.9	2.1	1.6	1.5	1.5	2.0	2.4	2.7	2.9	2.9
119.5°	1.8	1.9	2.0	1.6	1.5	1.5	1.9	2.3	2.7	2.8	2.8
120°	1.8	1.9	2.0	1.6	1.5	1.5	1.9	2.2	2.6	2.8	2.8
120.5°	1.8	2.0	2.0	1.7	1.5	1.5	1.8	2.2	2.5	2.7	2.7
121°	1.9	2.0	2.0	1.7	1.6	1.6	1.7	2.1	2.4	2.6	2.6
121.5°	1.9	2.0	2.0	1.8	1.6	1.6	1.7	2.1	2.4	2.6	2.6
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	1.7	1.6	1.6	2.0	2.3	2.5	2.5
123°	1.9	2.0	2.1	1.9	1.7	1.7	1.6	1.9	2.2	2.4	2.4
123.5°	1.9	2.1	2.1	1.9	1.7	1.7	1.6	1.8	2.2	2.4	2.4
124°	2.0	2.1	2.2	2.0	1.8	1.7	1.6	1.8	2.1	2.3	2.3
124.5°	2.0	2.1	2.2	2.0	1.8	1.8	1.7	1.8	2.1	2.3	2.3
125°	2.0	2.1	2.2	2.0	1.8	1.8	1.7	1.8	2.0	2.2	2.2
125.5°	2.0	2.1	2.2	2.1	1.9	1.8	1.7	1.8	2.0	2.2	2.2
126°	2.0	2.1	2.2	2.2	1.9	1.8	1.7	1.8	2.0	2.2	2.2
126.5°	2.0	2.1	2.2	2.3	1.9	1.9	1.8	1.8	2.0	2.2	2.2
127°	2.1	2.1	2.2	2.4	2.0	1.9	1.8	1.9	2.0	2.2	2.3
127.5°	2.1	2.1	2.2	2.4	2.0	1.9	1.9	1.9	2.0	2.2	2.3
128°	2.1	2.1	2.2	2.5	2.0	1.9	1.9	1.9	2.1	2.2	2.3
128.5°	2.1	2.1	2.2	2.5	2.1	2.0	1.9	2.0	2.1	2.3	2.3
129°	2.2	2.2	2.2	2.6	2.1	2.0	2.0	2.0	2.2	2.3	2.4
129.5°	2.2	2.2	2.2	2.6	2.2	2.0	2.0	2.1	2.2	2.3	2.4
130°	2.2	2.2	2.2	2.5	2.2	2.1	2.1	2.1	2.2	2.4	2.4
130.5°	2.2	2.2	2.2	2.5	2.3	2.1	2.1	2.2	2.3	2.4	2.5
131°	2.2	2.2	2.2	2.6	2.3	2.2	2.2	2.2	2.3	2.4	2.5
131.5°	2.2	2.2	2.2	2.6	2.4	2.2	2.2	2.3	2.4	2.5	2.6
132°	2.2	2.2	2.2	2.6	2.4	2.3	2.2	2.3	2.4	2.5	2.6
132.5°	2.2	2.2	2.2	2.7	2.5	2.3	2.3	2.4	2.4	2.5	2.6
133°	2.2	2.3	2.2	2.7	2.6	2.4	2.3	2.4	2.5	2.6	2.7
133.5°	2.2	2.3	2.3	2.7	2.7	2.4	2.4	2.5	2.5	2.6	2.7



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

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	2.6	2.6	2.6	2.7	2.8
135.5°	2.3	2.4	2.4	2.8	3.0	2.7	2.6	2.7	2.7	2.8	2.9
136°	2.2	2.4	2.4	2.8	3.0	2.7	2.7	2.7	2.7	2.8	2.9
136.5°	2.2	2.3	2.4	2.8	3.0	2.8	2.7	2.7	2.8	2.8	3.0
137°	2.2	2.3	2.5	2.7	3.0	2.9	2.8	2.8	2.8	2.9	3.0
137.5°	2.3	2.4	2.5	2.7	3.0	2.9	2.8	2.8	2.8	2.9	3.1
138°	2.3	2.5	2.5	2.7	3.0	3.1	2.9	2.9	2.9	3.0	3.1
138.5°	2.3	2.5	2.5	2.6	3.0	3.2	2.9	2.9	2.9	3.0	3.2
139°	2.3	2.5	2.5	2.6	3.1	3.3	3.0	3.0	3.0	3.0	3.2
139.5°	2.3	2.6	2.6	2.6	3.1	3.3	3.0	3.0	3.0	3.1	3.3
140°	2.3	2.6	2.6	2.6	3.1	3.4	3.0	3.0	3.0	3.1	3.3
140.5°	2.3	2.6	2.6	2.6	3.2	3.4	3.1	3.1	3.1	3.2	3.4
141°	2.3	2.6	2.6	2.6	3.2	3.4	3.2	3.1	3.1	3.2	3.4
141.5°	2.3	2.6	2.6	2.6	3.2	3.4	3.3	3.2	3.2	3.3	3.5
142°	2.3	2.7	2.6	2.6	3.2	3.5	3.4	3.2	3.2	3.3	3.5
142.5°	2.3	2.7	2.6	2.6	3.1	3.5	3.5	3.3	3.3	3.4	3.6
143°	2.3	2.7	2.7	2.6	3.1	3.5	3.6	3.3	3.3	3.4	3.7
143.5°	2.3	2.7	2.7	2.5	3.1	3.4	3.6	3.4	3.4	3.5	3.7
144°	2.3	2.7	2.7	2.5	3.0	3.4	3.7	3.5	3.5	3.6	3.8
144.5°	2.3	2.7	2.7	2.5	3.0	3.4	3.7	3.6	3.5	3.6	3.8
145°	2.3	2.7	2.7	2.5	3.0	3.4	3.7	3.7	3.6	3.7	3.9
145.5°	2.3	2.7	2.7	2.5	2.9	3.4	3.7	3.8	3.7	3.7	4.0
146°	2.3	2.7	2.7	2.5	2.9	3.4	3.7	3.9	3.8	3.8	4.1
146.5°	2.3	2.7	2.7	2.5	2.9	3.4	3.6	3.9	4.0	4.0	4.2
147°	2.3	2.7	2.7	2.5	2.8	3.4	3.6	3.9	4.0	4.1	4.3
147.5°	2.3	2.7	2.8	2.5	2.8	3.4	3.6	3.8	4.0	4.2	4.4
148°	2.3	2.7	2.8	2.5	2.8	3.4	3.6	3.8	4.0	4.2	4.3
148.5°	2.3	2.7	2.8	2.5	2.7	3.3	3.6	3.8	4.0	4.2	4.3
149°	2.3	2.7	2.8	2.5	2.7	3.3	3.6	3.8	4.0	4.2	4.3
149.5°	2.2	2.7	2.8	2.5	2.7	3.3	3.6	3.8	4.0	4.2	4.3
150°	2.3	2.7	2.8	2.6	2.7	3.2	3.6	3.8	4.0	4.2	4.3
150.5°	2.3	2.7	2.8	2.6	2.7	3.2	3.5	3.7	4.0	4.1	4.2
151°	2.2	2.7	2.8	2.6	2.6	3.1	3.5	3.8	3.9	4.0	4.2
151.5°	2.1	2.6	2.8	2.6	2.6	3.0	3.5	3.8	3.9	4.0	4.2
152°	2.0	2.6	2.8	2.6	2.6	3.0	3.4	3.7	3.9	4.0	4.2
152.5°	2.1	2.6	2.8	2.6	2.6	2.9	3.4	3.7	3.9	4.0	4.2
153°	2.0	2.5	2.8	2.6	2.6	2.9	3.3	3.7	3.9	4.0	4.1
153.5°	1.9	2.5	2.8	2.7	2.6	2.9	3.3	3.6	3.8	4.0	4.1
154°	1.7	2.4	2.8	2.7	2.6	2.8	3.2	3.6	3.8	3.9	4.0
154.5°	1.7	2.4	2.8	2.7	2.6	2.8	3.1	3.5	3.7	3.8	3.9
155°	1.7	2.4	2.8	2.7	2.7	2.8	3.1	3.4	3.6	3.8	3.8
155.5°	1.7	2.4	2.8	2.7	2.7	2.8	3.0	3.3	3.6	3.7	3.7
156°	1.6	2.4	2.8	2.7	2.7	2.8	3.0	3.3	3.5	3.6	3.6



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.5	2.4	2.8	2.8	2.8	2.8	2.9	3.1	3.3	3.4	3.4
158°	1.5	2.4	2.8	2.8	2.8	2.8	2.8	3.0	3.2	3.3	3.3
158.5°	1.5	2.4	2.8	2.8	2.8	2.8	2.8	3.0	3.1	3.2	3.3
159°	1.5	2.4	2.8	2.8	2.9	2.8	2.8	2.9	3.1	3.2	3.2
159.5°	1.5	2.3	2.8	2.8	2.9	2.9	2.8	2.9	3.0	3.1	3.1
160°	1.6	2.3	2.7	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.1
160.5°	1.6	2.3	2.7	2.8	2.9	2.9	2.9	2.9	2.9	3.0	3.1
161°	1.6	2.3	2.7	2.8	2.9	3.0	2.9	2.9	2.9	3.0	3.0
161.5°	1.6	2.3	2.7	2.8	3.0	3.0	2.9	2.9	2.9	3.0	3.0
162°	1.6	2.3	2.7	2.8	3.0	3.0	2.9	2.9	2.9	3.0	3.0
162.5°	1.6	2.2	2.7	2.8	3.0	3.0	3.0	2.9	2.9	3.0	3.0
163°	1.6	2.2	2.7	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0
163.5°	1.6	2.1	2.7	2.8	3.0	3.1	3.0	3.0	3.0	3.0	3.0
164°	1.6	2.0	2.6	2.8	3.0	3.1	3.1	3.0	3.0	3.0	3.1
164.5°	1.6	1.9	2.7	2.8	3.0	3.1	3.1	3.0	3.0	3.0	3.1
165°	1.6	1.9	2.6	2.8	3.0	3.1	3.1	3.1	3.1	3.1	3.1
165.5°	1.6	1.9	2.6	2.8	3.0	3.1	3.1	3.1	3.1	3.1	3.1
166°	1.6	2.0	2.6	2.7	3.0	3.1	3.1	3.1	3.1	3.1	3.1
166.5°	1.7	2.0	2.7	2.7	3.0	3.1	3.1	3.1	3.1	3.1	3.2
167°	1.7	2.0	2.6	2.8	3.0	3.1	3.2	3.2	3.2	3.1	3.2
167.5°	1.7	2.0	2.4	2.7	2.9	3.1	3.2	3.2	3.2	3.2	3.2
168°	1.7	2.1	2.5	2.5	3.0	3.1	3.2	3.2	3.2	3.2	3.2
168.5°	1.7	1.9	2.6	2.5	3.0	3.1	3.2	3.2	3.2	3.2	3.2
169°	1.7	1.8	2.4	2.6	2.9	3.1	3.2	3.2	3.2	3.2	3.3
169.5°	1.8	2.0	2.2	2.7	2.6	3.0	3.2	3.2	3.3	3.2	3.3
170°	1.8	2.2	2.3	2.6	2.7	3.0	3.2	3.2	3.3	3.3	3.3
170.5°	2.0	2.1	2.5	2.5	2.9	3.0	3.2	3.2	3.3	3.3	3.3
171°	2.3	2.1	2.5	2.6	2.8	2.9	3.1	3.2	3.2	3.2	3.2
171.5°	2.3	2.4	2.3	2.6	2.5	2.6	3.1	3.2	3.2	3.2	3.2
172°	2.4	2.4	2.4	2.5	2.6	2.6	3.0	3.2	3.2	3.2	3.2
172.5°	2.5	2.4	2.5	2.4	2.6	2.8	2.9	3.1	3.1	3.1	3.2
173°	2.5	2.5	2.5	2.5	2.5	2.8	2.9	3.0	3.1	3.1	3.1
173.5°	2.5	2.5	2.6	2.5	2.6	2.6	2.9	3.0	3.0	3.0	3.1
174°	2.6	2.6	2.6	2.4	2.6	2.7	2.8	3.0	3.0	3.0	3.0
174.5°	2.6	2.6	2.7	2.5	2.4	2.6	2.6	2.9	3.0	3.0	3.0
175°	2.7	2.7	2.7	2.6	2.4	2.5	2.7	2.9	3.0	3.0	3.0
175.5°	2.7	2.7	2.8	2.6	2.5	2.5	2.7	2.9	3.0	3.0	2.9
176°	2.7	2.7	2.8	2.6	2.4	2.4	2.5	2.8	3.0	3.0	2.9
176.5°	2.7	2.8	2.8	2.7	2.6	2.4	2.5	2.8	2.9	3.0	2.9
177°	2.7	2.8	2.8	2.8	2.6	2.4	2.6	2.7	2.8	2.9	2.8
177.5°	2.7	2.8	2.8	2.7	2.5	2.4	2.5	2.7	2.8	2.8	2.8
178°	2.8	2.8	2.7	2.7	2.5	2.4	2.4	2.5	2.7	2.8	2.7
178.5°	2.8	2.8	2.7	2.6	2.4	2.3	2.3	2.5	2.7	2.8	2.7



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

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: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0
0.5°	1469.3	1469.2	1469.1	1469.0	1468.8	1468.7	1468.5	1468.4	1468.4	1468.4	1468.4
1°	1469.3	1469.5	1469.6	1469.8	1469.6	1469.3	1468.9	1468.6	1468.2	1468.1	1468.0
1.5°	1469.7	1469.6	1469.2	1468.5	1468.0	1468.0	1468.0	1467.8	1467.5	1467.2	1467.2
2°	1469.6	1468.5	1467.3	1467.3	1467.2	1466.7	1466.5	1466.6	1466.3	1466.2	1466.1
2.5°	1468.5	1468.3	1468.5	1467.5	1467.5	1467.1	1466.3	1466.1	1465.8	1465.6	1465.3
3°	1467.9	1467.6	1467.3	1466.6	1466.6	1466.3	1466.0	1465.5	1464.3	1463.3	1463.6
3.5°	1466.7	1466.4	1466.3	1466.4	1465.8	1464.6	1464.4	1464.7	1462.9	1462.3	1462.0
4°	1466.4	1465.7	1465.2	1465.2	1464.9	1464.2	1463.2	1463.5	1462.5	1461.3	1460.3
4.5°	1463.7	1464.6	1463.1	1464.0	1464.1	1463.0	1461.9	1461.2	1460.7	1459.7	1458.9
5°	1463.1	1463.1	1462.8	1462.1	1462.4	1461.9	1460.8	1460.0	1459.4	1458.5	1456.6
5.5°	1462.3	1461.7	1461.4	1460.6	1460.9	1459.8	1459.6	1458.6	1458.0	1456.9	1454.9
6°	1460.6	1459.9	1459.3	1459.0	1458.8	1458.3	1457.9	1456.8	1455.9	1455.2	1452.6
6.5°	1458.5	1458.0	1457.6	1457.1	1456.6	1457.2	1456.3	1454.9	1453.3	1453.2	1450.6
7°	1456.7	1455.8	1456.2	1455.3	1455.0	1455.1	1454.4	1452.6	1451.0	1450.4	1448.6
7.5°	1454.2	1453.7	1453.8	1453.8	1452.7	1452.8	1451.9	1451.0	1448.6	1448.3	1446.6
8°	1452.0	1451.7	1451.2	1451.4	1450.9	1450.9	1449.0	1448.1	1446.5	1445.9	1443.5
8.5°	1449.0	1449.1	1448.6	1448.4	1448.8	1447.9	1447.7	1445.8	1444.8	1443.0	1440.9
9°	1446.1	1446.4	1446.1	1446.0	1446.4	1445.2	1444.8	1443.8	1441.5	1440.1	1438.2
9.5°	1443.7	1443.8	1443.0	1443.2	1443.3	1443.0	1441.6	1440.4	1438.1	1437.0	1434.6
10°	1440.5	1440.6	1439.9	1440.8	1440.4	1439.1	1439.2	1437.7	1435.5	1434.0	1431.4
10.5°	1437.2	1437.6	1436.2	1437.8	1437.3	1436.5	1436.6	1435.0	1432.9	1430.3	1428.4
11°	1433.2	1434.4	1433.8	1435.0	1434.4	1433.9	1433.5	1431.9	1429.4	1426.7	1424.5
11.5°	1429.5	1430.8	1430.0	1431.1	1431.0	1431.1	1430.0	1428.1	1425.5	1423.6	1420.6
12°	1425.9	1426.7	1426.4	1427.1	1427.9	1427.2	1426.5	1424.7	1422.5	1420.3	1416.9
12.5°	1422.0	1423.1	1422.9	1423.2	1424.4	1423.6	1422.8	1421.4	1419.2	1415.9	1413.4
13°	1418.0	1419.0	1418.5	1419.0	1420.1	1419.7	1419.5	1417.8	1415.8	1411.9	1409.5
13.5°	1413.4	1414.0	1414.1	1415.4	1416.1	1415.8	1415.6	1414.0	1411.1	1407.7	1404.5
14°	1408.5	1409.6	1410.3	1411.4	1412.2	1411.9	1411.6	1410.4	1406.9	1403.6	1400.1
14.5°	1403.7	1404.9	1405.9	1406.9	1408.1	1408.0	1407.6	1406.0	1403.4	1399.0	1395.5
15°	1398.8	1400.7	1401.1	1402.5	1404.2	1403.5	1403.5	1401.3	1399.2	1394.0	1390.8
15.5°	1393.7	1396.2	1396.8	1398.1	1399.8	1398.8	1399.3	1396.9	1394.2	1389.6	1386.1
16°	1388.1	1390.6	1391.7	1393.1	1394.8	1394.6	1394.6	1392.8	1389.5	1385.6	1381.4
16.5°	1382.9	1385.5	1386.5	1388.1	1389.7	1390.1	1389.6	1388.5	1385.2	1380.7	1376.0
17°	1377.2	1379.7	1381.0	1382.8	1385.1	1385.0	1384.9	1383.7	1380.2	1375.4	1370.2
17.5°	1371.5	1374.4	1375.9	1377.6	1380.4	1380.4	1380.9	1378.6	1375.0	1370.4	1365.0
18°	1365.8	1368.0	1370.5	1373.0	1374.9	1375.0	1375.4	1373.1	1369.6	1365.1	1359.2
18.5°	1359.5	1361.6	1365.1	1367.2	1369.7	1369.5	1369.5	1368.2	1364.4	1359.1	1353.1
19°	1352.9	1355.4	1358.8	1360.9	1364.1	1364.5	1364.5	1362.9	1359.5	1353.4	1347.6
19.5°	1346.3	1349.2	1352.5	1355.5	1358.2	1358.7	1359.1	1357.3	1353.7	1347.7	1341.4
20°	1340.5	1343.5	1346.6	1349.6	1352.3	1353.4	1353.4	1351.9	1348.1	1341.9	1335.3
20.5°	1333.7	1336.7	1340.5	1343.1	1346.7	1347.3	1347.4	1346.4	1342.3	1335.9	1328.9
21°	1326.5	1330.5	1333.5	1336.8	1340.3	1341.8	1341.8	1340.2	1336.3	1329.5	1322.6



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1304.7	1308.3	1313.0	1317.7	1321.3	1323.4	1323.3	1321.2	1317.4	1309.9	1302.9
23°	1297.1	1301.1	1306.2	1310.7	1314.7	1316.6	1316.7	1314.6	1310.9	1303.7	1295.4
23.5°	1289.4	1293.6	1298.7	1303.1	1308.3	1310.4	1310.6	1308.5	1304.2	1297.3	1288.4
24°	1281.2	1286.4	1291.0	1296.3	1301.0	1303.4	1303.8	1302.0	1297.7	1290.3	1281.4
24.5°	1273.2	1278.2	1283.7	1288.8	1293.8	1296.6	1297.4	1295.3	1290.7	1283.0	1274.0
25°	1265.5	1270.2	1276.2	1281.5	1286.6	1289.7	1290.7	1288.4	1283.6	1275.5	1266.3
25.5°	1257.0	1262.4	1268.1	1273.7	1279.1	1282.5	1283.3	1281.2	1276.5	1268.3	1259.0
26°	1248.6	1254.2	1260.3	1265.8	1271.8	1275.0	1275.7	1274.5	1269.4	1260.8	1251.1
26.5°	1240.1	1245.4	1251.9	1257.9	1264.6	1268.1	1268.6	1267.0	1261.7	1253.5	1243.3
27°	1231.1	1237.2	1243.7	1250.2	1256.4	1260.3	1261.1	1259.2	1254.4	1245.7	1235.4
27.5°	1222.4	1228.2	1235.3	1241.9	1249.0	1252.4	1253.4	1251.7	1246.8	1238.0	1227.1
28°	1213.1	1219.8	1226.4	1234.1	1240.7	1244.3	1245.5	1244.1	1238.9	1230.1	1218.8
28.5°	1204.0	1210.5	1218.1	1225.7	1232.3	1236.7	1237.9	1236.6	1231.1	1221.9	1210.9
29°	1194.6	1201.5	1209.5	1216.6	1224.6	1229.2	1230.3	1228.4	1223.1	1213.8	1202.3
29.5°	1184.8	1191.7	1200.3	1207.9	1216.1	1220.3	1222.5	1220.4	1214.6	1205.5	1193.4
30°	1175.7	1182.9	1191.4	1199.6	1207.5	1212.9	1213.7	1212.2	1206.2	1197.0	1184.9
30.5°	1166.0	1172.7	1182.2	1191.1	1198.8	1204.1	1205.1	1203.5	1198.7	1188.4	1176.0
31°	1155.4	1163.8	1173.1	1181.7	1190.3	1195.1	1197.3	1195.9	1189.9	1179.5	1167.2
31.5°	1145.3	1154.1	1163.6	1172.3	1181.8	1186.9	1188.6	1186.9	1180.9	1171.2	1158.3
32°	1135.5	1143.9	1153.8	1163.5	1172.3	1178.0	1179.6	1178.4	1172.8	1162.2	1149.1
32.5°	1125.3	1134.4	1144.5	1154.1	1163.1	1169.3	1171.1	1169.9	1163.6	1153.4	1140.0
33°	1115.0	1124.0	1134.9	1144.7	1154.6	1160.0	1162.5	1160.7	1155.0	1144.4	1130.3
33.5°	1104.5	1113.9	1124.8	1135.4	1144.9	1151.2	1153.0	1152.1	1145.9	1134.9	1120.9
34°	1094.1	1103.6	1114.9	1125.7	1135.0	1141.9	1144.0	1143.4	1136.9	1125.8	1111.5
34.5°	1083.9	1093.2	1104.8	1115.7	1125.8	1133.0	1135.1	1134.0	1127.2	1116.8	1103.1
35°	1073.0	1082.4	1094.5	1105.6	1116.6	1123.3	1126.0	1124.6	1118.2	1107.2	1093.8
35.5°	1061.6	1072.4	1084.2	1095.7	1106.8	1113.2	1116.4	1115.2	1109.0	1098.3	1083.4
36°	1050.7	1061.5	1073.9	1086.1	1096.5	1104.2	1107.0	1106.2	1099.7	1088.2	1073.1
36.5°	1039.8	1050.4	1063.6	1076.1	1086.9	1094.8	1097.6	1096.9	1089.8	1078.2	1062.8
37°	1028.8	1039.9	1052.9	1065.1	1077.4	1085.2	1087.8	1086.9	1079.9	1068.1	1052.5
37.5°	1018.0	1028.8	1042.3	1055.2	1067.1	1075.2	1078.0	1076.9	1069.9	1058.1	1042.3
38°	1006.6	1018.2	1032.0	1045.1	1057.2	1065.0	1068.0	1067.0	1060.0	1048.1	1032.1
38.5°	995.8	1006.7	1021.4	1034.4	1046.1	1054.7	1058.2	1057.1	1050.1	1038.0	1021.5
39°	984.4	996.1	1010.3	1023.7	1036.1	1044.4	1048.0	1046.9	1039.9	1027.8	1011.4
39.5°	973.4	984.8	999.3	1013.0	1025.7	1034.2	1037.5	1036.4	1029.5	1017.7	1000.6
40°	961.7	973.4	988.2	1002.4	1015.2	1024.1	1027.5	1026.3	1019.4	1007.1	990.2
40.5°	949.9	962.2	976.8	992.0	1004.3	1013.8	1017.1	1015.7	1009.0	996.9	979.7
41°	938.2	950.5	966.0	980.7	994.0	1002.8	1006.4	1005.5	998.6	986.6	969.1
41.5°	927.2	939.4	954.9	969.6	982.9	992.3	996.1	995.0	988.4	975.5	957.9
42°	915.9	928.6	943.7	958.7	972.2	981.4	985.1	984.9	977.4	964.4	947.1
42.5°	904.5	917.0	932.6	947.8	961.1	970.7	974.6	973.9	967.0	954.0	936.0
43°	892.9	904.8	921.0	936.6	950.4	960.6	963.8	963.1	956.0	943.4	926.0
43.5°	880.9	893.9	909.9	925.5	939.7	949.2	953.0	952.3	945.0	932.4	914.7



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	846.5	859.4	875.7	891.7	906.7	916.3	920.0	919.6	912.5	899.1	881.2
45.5°	834.5	847.4	864.3	880.5	894.8	904.6	909.2	908.6	901.0	887.9	870.0
46°	822.8	835.7	852.8	868.9	883.4	894.0	897.7	897.3	889.6	877.0	858.8
46.5°	811.1	824.5	840.8	857.4	871.8	882.3	886.4	885.8	878.6	865.8	847.7
47°	799.6	812.4	829.3	846.3	861.0	871.5	875.5	874.6	867.2	854.3	836.2
47.5°	788.0	801.6	817.8	834.5	849.7	860.3	863.5	863.4	856.1	843.0	824.8
48°	776.4	789.3	806.2	823.0	838.1	848.7	852.3	851.7	844.7	831.8	813.5
48.5°	765.0	777.9	795.2	811.8	826.1	836.8	840.7	840.4	833.3	820.3	801.7
49°	753.2	766.6	783.8	800.1	815.3	825.5	829.4	829.2	822.1	808.7	790.6
49.5°	742.0	755.2	772.1	788.4	803.2	814.5	818.3	817.5	810.3	797.2	779.4
50°	730.6	743.1	760.4	776.5	792.3	802.7	806.8	806.1	798.9	786.0	767.7
50.5°	719.1	731.9	748.7	765.4	780.5	791.2	795.1	794.4	787.5	774.2	755.9
51°	707.4	720.4	737.3	754.1	769.1	779.4	783.2	782.7	775.4	762.6	744.6
51.5°	696.4	709.6	725.7	742.5	757.2	768.2	771.5	771.2	764.0	751.4	733.0
52°	685.1	697.6	714.3	730.5	745.8	755.7	760.2	759.6	752.4	739.3	721.4
52.5°	674.0	686.4	702.8	719.1	734.0	744.5	748.6	748.9	740.6	727.5	709.8
53°	662.8	675.1	691.2	707.7	722.6	732.6	737.6	737.2	728.8	716.0	698.4
53.5°	651.6	664.1	680.0	696.0	711.0	721.3	727.0	724.1	717.2	704.7	686.8
54°	640.4	651.9	668.8	684.4	699.4	709.3	714.5	712.3	705.1	692.7	675.5
54.5°	629.6	641.2	657.1	673.0	687.3	697.9	701.5	700.6	693.5	681.2	664.0
55°	618.2	630.3	645.9	661.6	675.9	686.0	689.6	688.6	681.6	669.5	652.3
55.5°	607.0	619.2	634.9	650.1	664.0	674.3	677.5	676.5	669.6	657.7	640.5
56°	596.1	607.9	623.5	638.4	652.4	662.0	665.7	666.0	658.2	645.9	629.1
56.5°	585.4	596.9	612.0	627.0	640.8	650.3	654.5	654.1	646.5	634.2	617.6
57°	574.9	585.9	600.5	615.7	629.2	638.6	644.0	640.7	634.9	622.6	606.1
57.5°	564.0	575.2	589.3	604.7	617.5	627.1	631.6	629.1	622.2	610.7	594.7
58°	553.2	564.3	578.6	593.2	605.6	615.2	617.9	617.2	610.4	599.0	583.1
58.5°	542.8	553.2	567.2	581.3	593.9	603.1	606.1	605.6	598.5	587.7	571.5
59°	532.4	542.4	555.9	569.7	582.7	591.3	594.5	593.8	587.0	575.6	559.9
59.5°	521.7	532.0	545.0	558.5	571.1	580.3	583.5	581.0	574.8	563.8	548.8
60°	511.5	521.4	534.0	547.5	560.4	568.6	571.2	569.2	563.0	552.2	536.9
60.5°	501.1	510.7	523.3	536.2	549.1	556.1	558.1	557.4	550.7	540.4	525.7
61°	490.8	500.1	512.7	525.1	536.7	543.7	545.9	545.6	539.1	528.5	514.3
61.5°	480.5	489.5	501.7	514.4	524.7	532.3	534.5	533.2	526.7	516.7	502.6
62°	470.2	478.8	490.8	503.0	516.6	521.8	523.4	521.4	514.8	505.3	491.3
62.5°	459.8	468.1	479.8	492.1	504.4	518.0	508.0	509.1	503.2	493.6	479.7
63°	449.5	457.8	468.7	480.5	493.1	503.5	496.3	497.5	491.4	481.9	468.9
63.5°	439.8	447.6	457.9	468.8	480.3	489.7	484.8	485.3	479.1	470.3	457.6
64°	430.1	437.5	447.2	457.4	467.5	475.7	473.3	473.0	467.4	458.8	446.3
64.5°	420.2	427.2	436.7	446.5	455.7	461.8	461.7	461.1	455.6	447.0	434.9
65°	410.5	417.3	426.5	435.7	444.0	449.5	449.9	449.4	443.9	435.3	424.1
65.5°	400.8	407.4	416.0	424.7	432.6	437.5	438.5	437.3	432.0	423.9	412.7
66°	391.1	397.5	405.4	414.1	421.3	426.9	426.8	425.3	420.3	412.4	401.5



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	363.1	368.1	375.3	382.1	387.9	391.2	390.8	389.8	385.0	378.1	368.6
68°	353.6	358.6	365.2	371.4	376.7	379.9	378.9	378.1	373.3	366.5	357.3
68.5°	344.5	348.9	354.8	360.8	365.6	368.2	367.6	366.2	361.3	355.0	346.7
69°	335.2	339.2	345.0	350.1	354.4	356.8	355.7	354.3	349.6	343.9	335.7
69.5°	325.9	329.6	335.1	339.9	343.8	345.7	344.2	342.2	338.2	332.7	325.2
70°	316.7	320.4	325.3	329.7	333.0	334.0	332.2	330.8	326.7	321.4	314.4
70.5°	308.0	311.2	315.6	319.3	322.0	322.5	320.7	319.1	314.8	310.4	303.6
71°	299.3	302.0	305.9	309.2	311.3	311.4	308.9	307.6	303.7	298.9	292.8
71.5°	290.3	293.0	296.2	298.9	300.5	300.1	297.5	296.0	292.1	288.0	282.4
72°	281.5	283.8	286.6	288.9	289.9	289.0	286.2	284.4	280.6	276.9	272.0
72.5°	272.9	274.6	277.2	278.7	279.6	278.1	274.8	272.8	269.2	266.1	261.7
73°	264.2	265.6	267.7	268.9	269.1	267.0	263.4	261.3	258.0	255.1	251.1
73.5°	255.7	256.7	258.4	259.1	258.7	256.2	252.2	250.0	246.9	244.4	241.0
74°	247.5	248.1	249.4	249.6	248.3	245.3	241.0	238.8	235.9	233.6	230.8
74.5°	239.1	239.5	240.2	239.8	238.0	234.6	229.8	227.3	224.8	222.8	220.9
75°	230.7	230.8	231.0	229.9	227.8	223.9	218.8	216.3	213.9	212.4	211.0
75.5°	222.7	222.3	222.1	220.5	217.8	213.3	208.0	205.3	202.9	202.1	201.3
76°	214.6	214.0	213.2	211.2	207.9	202.9	197.1	194.4	192.3	191.8	191.3
76.5°	206.7	205.6	204.4	201.7	198.2	192.6	186.2	183.5	181.7	181.7	182.0
77°	198.7	197.4	195.9	193.0	188.3	182.3	175.9	172.9	171.3	171.6	172.5
77.5°	191.0	189.3	187.4	183.8	178.7	172.2	165.3	162.4	160.7	161.9	163.3
78°	183.4	181.4	178.9	174.9	169.3	162.3	155.2	151.9	150.7	152.0	153.8
78.5°	175.9	173.6	170.7	166.2	160.1	152.6	145.1	141.7	140.7	142.4	145.1
79°	168.5	166.0	162.5	157.6	151.0	143.0	135.3	132.1	131.2	133.6	136.8
79.5°	161.3	158.4	154.6	148.9	142.1	133.6	125.3	122.4	121.8	124.7	128.4
80°	154.1	151.0	146.8	140.7	133.2	124.2	115.8	112.7	112.3	115.9	120.1
80.5°	147.1	143.6	139.1	132.3	124.6	115.3	106.6	103.1	102.9	107.0	111.8
81°	140.4	136.6	131.6	124.6	116.2	106.5	97.5	93.9	94.0	98.1	103.5
81.5°	133.6	129.6	124.2	116.8	108.1	98.0	88.6	84.5	85.4	89.8	95.7
82°	126.9	122.7	117.1	109.4	100.0	89.6	80.1	75.9	76.8	81.7	88.1
82.5°	120.5	116.1	110.2	101.9	92.3	81.6	71.9	67.8	68.7	74.0	80.9
83°	114.3	109.7	103.4	95.0	84.9	73.8	63.9	59.7	61.0	66.7	73.9
83.5°	108.2	103.5	96.9	88.1	77.7	66.4	56.4	52.2	53.8	59.6	67.2
84°	102.3	97.4	90.6	81.5	70.8	59.2	49.2	44.9	46.6	52.7	60.8
84.5°	96.7	91.5	84.4	74.9	64.2	52.5	43.1	38.0	39.9	46.3	54.8
85°	91.0	85.7	78.4	69.0	57.9	46.9	37.0	31.6	33.6	40.4	49.1
85.5°	85.6	80.2	72.8	63.2	52.1	41.4	31.0	25.7	27.8	34.9	43.8
86°	80.4	75.0	67.4	57.7	47.2	36.0	24.9	21.3	22.5	29.9	38.9
86.5°	75.5	70.0	62.2	52.6	42.4	30.5	19.7	17.0	19.1	25.2	34.3
87°	70.6	65.0	57.2	48.3	37.6	25.0	15.2	12.7	15.5	21.1	30.0
87.5°	66.0	60.3	52.7	44.0	32.9	20.7	11.3	8.3	12.0	18.5	26.1
88°	61.5	55.9	48.7	39.8	28.1	17.0	8.1	4.0	8.5	15.8	22.7
88.5°	57.3	51.4	44.9	35.5	24.3	13.9	5.6	1.8	5.2	13.1	19.7



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	46.4	41.0	33.6	24.8	15.5	7.2	2.5	0.6	2.2	6.6	13.8
90.5°	43.2	37.6	30.4	22.0	13.3	5.8	1.5	0.5	1.9	5.6	12.2
91°	39.9	34.4	27.6	19.5	11.4	5.2	1.1	0.3	1.6	4.9	10.6
91.5°	36.7	31.6	24.9	17.2	9.8	4.5	0.9	0.2	1.4	4.5	9.0
92°	33.9	28.9	22.5	15.4	8.6	3.9	0.7	0.2	1.3	4.1	8.2
92.5°	31.2	26.4	20.4	13.7	7.5	3.2	0.6	0.3	1.2	3.9	7.6
93°	28.8	24.2	18.5	12.3	6.7	2.9	0.5	0.3	1.1	3.6	7.1
93.5°	26.6	22.2	16.8	11.0	6.1	2.6	0.5	0.4	1.0	3.4	6.8
94°	24.6	20.3	15.3	10.0	5.7	2.4	0.5	0.5	1.0	3.4	6.5
94.5°	22.6	18.7	13.9	9.2	5.3	2.2	0.5	0.5	1.0	3.3	6.2
95°	20.9	17.2	12.8	8.5	5.0	2.0	0.5	0.6	1.0	3.3	6.0
95.5°	19.4	15.9	11.9	8.0	4.7	1.8	0.6	0.6	1.0	3.2	5.8
96°	18.0	14.7	11.1	7.6	4.4	1.7	0.7	0.7	1.0	3.1	5.6
96.5°	16.7	13.8	10.4	7.2	4.1	1.6	0.8	0.8	1.0	3.0	5.5
97°	15.6	12.9	9.9	6.9	3.9	1.5	0.8	0.9	1.0	2.9	5.4
97.5°	14.7	12.2	9.4	6.5	3.7	1.4	0.9	0.9	1.0	2.8	5.4
98°	13.9	11.6	9.0	6.2	3.5	1.4	1.0	1.0	1.0	2.7	5.3
98.5°	13.2	11.1	8.6	5.9	3.3	1.3	1.0	1.1	1.1	2.6	5.2
99°	12.6	10.7	8.3	5.6	3.1	1.3	1.1	1.3	1.2	2.6	5.1
99.5°	12.1	10.3	7.9	5.3	2.9	1.2	1.2	1.4	1.3	2.6	5.0
100°	11.7	9.9	7.6	5.1	2.8	1.2	1.3	1.5	1.4	2.6	4.9
100.5°	11.2	9.5	7.3	4.8	2.6	1.2	1.3	1.6	1.4	2.6	4.7
101°	10.8	9.1	7.0	4.5	2.5	1.2	1.4	1.7	1.5	2.5	4.6
101.5°	10.4	8.7	6.6	4.3	2.3	1.2	1.5	1.8	1.6	2.4	4.5
102°	10.0	8.4	6.4	4.1	2.2	1.2	1.5	1.9	1.7	2.4	4.5
102.5°	9.6	8.0	6.1	3.9	2.1	1.2	1.6	1.9	1.7	2.3	4.4
103°	9.3	7.7	5.8	3.7	2.0	1.3	1.7	2.0	1.8	2.2	4.3
103.5°	8.9	7.4	5.6	3.6	1.9	1.4	1.8	2.0	1.9	2.1	4.2
104°	8.6	7.1	5.3	3.4	1.8	1.5	1.8	2.0	1.9	2.1	4.1
104.5°	8.3	6.8	5.1	3.2	1.8	1.6	1.9	2.1	2.0	2.1	4.0
105°	7.9	6.5	4.9	3.1	1.8	1.7	2.1	2.2	2.1	2.1	3.9
105.5°	7.6	6.3	4.6	2.9	1.8	1.7	2.4	2.3	2.2	2.1	3.8
106°	7.3	6.0	4.4	2.8	1.8	1.7	2.7	2.3	2.2	2.0	3.6
106.5°	7.0	5.8	4.3	2.7	1.8	1.8	2.9	2.4	2.4	2.0	3.5
107°	6.7	5.6	4.0	2.5	1.7	1.8	3.2	2.4	2.7	1.9	3.3
107.5°	6.5	5.3	3.9	2.4	1.7	1.9	3.2	2.5	2.9	1.9	3.2
108°	6.2	5.1	3.7	2.4	1.8	1.9	3.2	2.5	2.9	2.0	3.1
108.5°	6.0	4.8	3.5	2.3	1.8	2.0	3.1	2.6	2.8	2.0	3.1
109°	5.7	4.6	3.3	2.2	1.9	2.0	3.1	2.6	2.8	2.1	3.0
109.5°	5.5	4.4	3.2	2.1	1.9	2.1	3.0	2.6	2.9	2.1	2.9
110°	5.3	4.2	3.1	2.1	2.0	2.2	3.0	2.7	2.9	2.2	2.8
110.5°	5.1	4.0	2.9	2.0	2.0	2.2	3.0	2.7	3.0	2.2	2.8
111°	4.8	3.8	2.8	2.0	2.0	2.3	3.0	2.7	3.1	2.3	2.8



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	4.3	3.4	2.5	2.0	2.1	2.7	3.1	2.8	3.3	2.5	2.7
113°	4.1	3.2	2.4	2.0	2.1	2.8	3.1	2.9	3.4	2.5	2.6
113.5°	3.9	3.1	2.4	2.0	2.2	2.9	3.2	2.9	3.4	2.5	2.5
114°	3.8	3.0	2.3	2.0	2.2	3.1	3.2	2.9	3.5	2.6	2.4
114.5°	3.6	2.9	2.3	2.0	2.3	3.3	3.3	2.9	3.5	2.6	2.3
115°	3.5	2.9	2.3	2.1	2.4	3.4	3.3	2.9	3.5	2.7	2.2
115.5°	3.3	2.8	2.3	2.1	2.5	3.5	3.3	2.9	3.6	2.7	2.2
116°	3.2	2.8	2.3	2.2	2.6	3.6	3.3	2.9	3.6	2.8	2.3
116.5°	3.1	2.7	2.3	2.3	2.7	3.7	3.4	2.9	3.6	2.9	2.3
117°	3.0	2.6	2.2	2.3	2.8	3.8	3.4	2.9	3.7	2.9	2.4
117.5°	2.9	2.6	2.2	2.4	2.8	3.8	3.5	2.9	3.7	3.0	2.4
118°	2.9	2.6	2.2	2.5	2.9	3.9	3.5	2.9	3.8	3.0	2.5
118.5°	2.8	2.5	2.2	2.5	3.0	4.0	3.6	2.9	3.8	3.1	2.5
119°	2.7	2.4	2.2	2.6	3.1	4.1	3.6	2.9	3.8	3.1	2.5
119.5°	2.7	2.4	2.3	2.7	3.1	4.3	3.6	2.9	3.8	3.2	2.6
120°	2.6	2.4	2.3	2.7	3.2	4.3	3.7	2.9	3.9	3.3	2.7
120.5°	2.6	2.3	2.3	2.8	3.3	4.4	3.7	2.9	3.9	3.5	2.8
121°	2.5	2.3	2.4	2.8	3.3	4.5	3.7	2.9	3.9	3.5	2.8
121.5°	2.4	2.3	2.4	2.9	3.4	4.5	3.7	2.9	3.9	3.5	2.9
122°	2.4	2.3	2.5	2.9	3.5	4.6	3.7	3.0	3.9	3.5	2.9
122.5°	2.4	2.3	2.6	3.0	3.6	4.5	3.7	3.0	3.9	3.5	2.9
123°	2.3	2.3	2.6	3.1	3.7	4.4	3.6	3.0	3.9	3.5	3.0
123.5°	2.3	2.3	2.7	3.1	3.8	4.4	3.6	3.0	4.0	3.6	3.0
124°	2.3	2.4	2.7	3.2	3.8	4.3	3.6	3.0	4.0	3.6	3.1
124.5°	2.3	2.4	2.8	3.2	3.9	4.2	3.6	3.0	4.0	3.6	3.1
125°	2.3	2.4	2.9	3.3	4.0	4.2	3.5	3.0	4.0	3.7	3.2
125.5°	2.3	2.5	2.9	3.3	4.2	4.1	3.5	3.0	4.0	3.7	3.2
126°	2.3	2.5	3.0	3.4	4.3	4.1	3.5	3.0	4.0	3.7	3.2
126.5°	2.3	2.6	3.0	3.5	4.4	4.0	3.5	3.0	4.0	3.8	3.3
127°	2.4	2.6	3.1	3.5	4.5	4.0	3.4	3.0	4.0	3.8	3.3
127.5°	2.4	2.7	3.1	3.6	4.5	4.0	3.4	3.0	4.0	3.9	3.4
128°	2.4	2.7	3.2	3.7	4.5	3.9	3.4	3.0	4.0	3.9	3.4
128.5°	2.5	2.8	3.2	3.8	4.6	3.9	3.4	3.0	4.0	3.9	3.5
129°	2.5	2.8	3.3	3.8	4.7	3.9	3.4	3.0	4.0	3.9	3.6
129.5°	2.6	2.9	3.3	3.9	4.7	3.9	3.4	3.0	4.0	3.9	3.7
130°	2.6	2.9	3.4	4.0	4.8	3.9	3.4	3.0	4.0	3.9	3.8
130.5°	2.7	3.0	3.4	4.1	4.8	3.9	3.4	3.1	4.0	4.0	3.8
131°	2.7	3.0	3.5	4.1	4.9	3.9	3.4	3.1	4.0	4.0	3.8
131.5°	2.7	3.1	3.5	4.2	4.9	3.9	3.4	3.1	4.0	4.0	3.7
132°	2.8	3.1	3.6	4.3	4.9	3.9	3.3	3.1	4.0	4.0	3.7
132.5°	2.8	3.2	3.6	4.4	4.9	3.9	3.3	3.1	4.0	4.1	3.7
133°	2.9	3.2	3.7	4.5	4.9	3.8	3.3	3.1	4.0	4.1	3.8
133.5°	2.9	3.3	3.8	4.6	4.9	3.8	3.3	3.1	3.9	4.1	3.8



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	3.1	3.4	4.0	4.9	4.7	3.8	3.3	3.1	3.9	4.1	3.7
135.5°	3.1	3.5	4.1	4.9	4.7	3.8	3.4	3.1	3.9	4.1	3.7
136°	3.2	3.6	4.1	4.9	4.6	3.8	3.4	3.1	3.9	4.1	3.8
136.5°	3.2	3.6	4.2	4.9	4.6	3.8	3.4	3.1	3.9	4.1	3.8
137°	3.3	3.7	4.2	5.0	4.5	3.8	3.4	3.1	3.8	4.1	3.8
137.5°	3.3	3.7	4.3	5.0	4.5	3.8	3.4	3.1	3.8	4.1	3.8
138°	3.4	3.8	4.4	5.1	4.4	3.8	3.4	3.1	3.8	4.1	3.8
138.5°	3.4	3.9	4.5	5.1	4.3	3.8	3.5	3.1	3.7	4.0	3.8
139°	3.5	3.9	4.6	5.0	4.3	3.8	3.5	3.1	3.6	4.1	3.8
139.5°	3.5	4.0	4.7	5.1	4.2	3.8	3.5	3.1	3.6	4.1	3.8
140°	3.6	4.0	4.7	5.0	4.1	3.8	3.5	3.1	3.7	4.1	3.9
140.5°	3.6	4.1	4.8	5.0	4.1	3.8	3.5	3.1	3.7	4.1	3.9
141°	3.7	4.1	4.8	4.9	4.0	3.8	3.4	3.1	3.7	4.2	3.9
141.5°	3.8	4.2	4.9	4.8	4.0	3.8	3.5	3.1	3.7	4.2	3.8
142°	3.8	4.3	4.9	4.8	3.9	3.8	3.5	3.0	3.7	4.2	3.8
142.5°	3.9	4.4	4.9	4.7	3.9	3.8	3.5	2.9	3.7	4.2	3.8
143°	3.9	4.6	4.9	4.6	3.9	3.8	3.4	2.9	3.7	4.1	3.7
143.5°	4.0	4.6	4.9	4.6	3.8	3.8	3.4	2.9	3.6	4.0	3.8
144°	4.1	4.6	4.9	4.5	3.8	3.8	3.4	3.0	3.6	4.0	3.8
144.5°	4.2	4.7	4.9	4.4	3.8	3.7	3.5	3.0	3.6	4.1	3.9
145°	4.3	4.7	4.8	4.3	3.7	3.7	3.5	3.0	3.6	4.2	3.9
145.5°	4.5	4.7	4.8	4.2	3.7	3.7	3.5	3.0	3.5	4.2	3.8
146°	4.5	4.7	4.7	4.2	3.7	3.7	3.5	3.0	3.5	4.2	3.8
146.5°	4.5	4.7	4.6	4.1	3.7	3.7	3.5	3.0	3.5	4.2	3.9
147°	4.5	4.6	4.5	4.0	3.6	3.7	3.4	3.0	3.4	4.2	4.0
147.5°	4.5	4.6	4.5	3.9	3.6	3.7	3.3	3.0	3.5	4.2	4.0
148°	4.5	4.6	4.4	3.8	3.6	3.6	3.3	3.0	3.5	4.1	4.0
148.5°	4.5	4.6	4.3	3.8	3.6	3.5	3.3	3.1	3.5	4.1	4.0
149°	4.4	4.5	4.2	3.7	3.6	3.6	3.4	3.0	3.4	4.1	4.0
149.5°	4.4	4.4	4.1	3.6	3.5	3.6	3.4	3.0	3.4	4.1	4.1
150°	4.4	4.3	4.0	3.6	3.5	3.6	3.4	3.0	3.4	4.1	4.1
150.5°	4.4	4.3	3.9	3.6	3.5	3.5	3.3	3.0	3.4	4.0	4.0
151°	4.3	4.2	3.8	3.5	3.4	3.5	3.3	3.0	3.4	4.0	3.9
151.5°	4.3	4.1	3.7	3.5	3.4	3.5	3.3	3.0	3.3	4.0	3.9
152°	4.3	4.0	3.7	3.4	3.5	3.5	3.3	3.0	3.3	3.9	4.0
152.5°	4.2	3.9	3.6	3.4	3.5	3.5	3.2	3.0	3.1	3.8	4.1
153°	4.1	3.8	3.5	3.4	3.5	3.5	3.2	2.9	3.0	3.8	4.1
153.5°	4.0	3.8	3.5	3.3	3.5	3.5	3.2	2.9	2.9	3.7	4.1
154°	3.9	3.7	3.4	3.3	3.5	3.5	3.2	2.9	2.9	3.7	4.1
154.5°	3.8	3.6	3.3	3.3	3.5	3.4	3.2	2.9	2.8	3.5	4.0
155°	3.7	3.5	3.3	3.3	3.4	3.3	3.2	2.8	2.8	3.3	3.8
155.5°	3.6	3.4	3.2	3.3	3.3	3.2	3.1	2.7	2.7	3.2	3.7
156°	3.5	3.3	3.2	3.3	3.3	3.2	3.1	2.6	2.7	3.1	3.5



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	3.3	3.2	3.2	3.3	3.2	3.1	2.6	2.6	2.7	3.0	3.5
158°	3.3	3.2	3.2	3.3	3.3	3.1	2.6	2.6	2.7	3.0	3.5
158.5°	3.2	3.1	3.2	3.3	3.4	3.1	2.5	2.6	2.7	2.9	3.4
159°	3.1	3.1	3.2	3.3	3.3	3.0	2.5	2.6	2.6	2.9	3.3
159.5°	3.1	3.1	3.2	3.2	3.2	3.0	2.5	2.6	2.6	2.9	3.2
160°	3.1	3.1	3.2	3.2	3.1	3.0	2.5	2.6	2.6	2.9	3.2
160.5°	3.1	3.1	3.2	3.1	3.1	3.1	2.5	2.5	2.6	2.8	3.2
161°	3.1	3.1	3.2	3.2	3.2	3.0	2.5	2.5	2.6	2.8	3.1
161.5°	3.1	3.1	3.2	3.2	3.2	2.8	2.5	2.5	2.6	2.8	3.1
162°	3.1	3.1	3.2	3.3	3.2	2.6	2.5	2.5	2.6	2.7	3.1
162.5°	3.1	3.1	3.2	3.3	3.1	2.5	2.5	2.5	2.6	2.7	3.0
163°	3.1	3.2	3.2	3.3	3.0	2.5	2.5	2.5	2.6	2.7	3.0
163.5°	3.1	3.2	3.3	3.3	2.8	2.5	2.5	2.5	2.6	2.7	2.9
164°	3.1	3.2	3.3	3.2	2.6	2.5	2.5	2.5	2.6	2.7	2.9
164.5°	3.1	3.2	3.3	3.1	2.6	2.5	2.5	2.5	2.6	2.7	2.9
165°	3.2	3.2	3.3	3.1	2.6	2.4	2.5	2.5	2.6	2.6	2.9
165.5°	3.2	3.2	3.3	3.0	2.6	2.4	2.5	2.5	2.6	2.6	2.8
166°	3.2	3.3	3.3	3.0	2.5	2.4	2.5	2.5	2.6	2.6	2.8
166.5°	3.2	3.3	3.3	3.0	2.5	2.4	2.5	2.5	2.6	2.6	2.8
167°	3.2	3.3	3.2	2.9	2.5	2.5	2.5	2.5	2.6	2.6	2.8
167.5°	3.3	3.3	3.2	2.7	2.5	2.5	2.5	2.5	2.5	2.6	2.8
168°	3.3	3.3	3.1	2.6	2.5	2.5	2.5	2.5	2.5	2.6	2.7
168.5°	3.3	3.3	3.1	2.6	2.5	2.5	2.5	2.5	2.5	2.6	2.7
169°	3.3	3.3	3.0	2.6	2.5	2.5	2.5	2.5	2.5	2.6	2.7
169.5°	3.3	3.2	3.0	2.6	2.5	2.5	2.6	2.5	2.5	2.6	2.7
170°	3.3	3.2	3.0	2.5	2.5	2.6	2.7	2.7	2.5	2.7	2.8
170.5°	3.3	3.1	2.7	2.5	2.5	2.7	2.8	2.8	2.5	2.9	3.1
171°	3.2	3.0	2.6	2.5	2.5	2.7	2.9	2.8	2.6	3.1	3.1
171.5°	3.2	3.0	2.5	2.4	2.6	2.8	2.9	2.8	2.8	3.0	3.1
172°	3.1	2.9	2.5	2.4	2.6	2.9	2.9	2.8	2.9	3.0	3.0
172.5°	3.1	2.8	2.5	2.4	2.7	2.9	2.9	2.9	2.9	3.0	3.0
173°	3.0	2.8	2.5	2.4	2.7	2.9	2.9	2.9	2.9	2.9	3.0
173.5°	3.0	2.7	2.5	2.5	2.7	2.9	2.9	2.9	2.9	2.9	3.0
174°	2.9	2.5	2.4	2.5	2.7	2.9	2.9	2.9	2.9	2.9	3.0
174.5°	2.8	2.4	2.4	2.5	2.9	2.9	2.9	2.9	2.9	2.9	3.0
175°	2.8	2.5	2.4	2.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9
175.5°	2.7	2.5	2.4	2.6	2.8	2.9	2.9	2.9	2.9	2.9	2.9
176°	2.7	2.5	2.5	2.6	2.8	2.9	2.9	2.9	2.9	2.9	2.9
176.5°	2.8	2.6	2.5	2.6	2.8	2.9	2.9	2.9	2.9	2.9	2.9
177°	2.8	2.6	2.5	2.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9
177.5°	2.7	2.5	2.5	2.6	2.8	2.9	2.9	2.8	2.8	2.8	2.8
178°	2.5	2.4	2.4	2.4	2.6	2.8	2.8	2.8	2.8	2.8	2.8
178.5°	2.5	2.4	2.3	2.4	2.5	2.6	2.7	2.7	2.7	2.8	2.8



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

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: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0
0.5°	1468.5	1468.5	1468.5	1468.5	1468.5	1468.5	1468.6	1468.6	1468.6	1468.7	1468.7
1°	1468.0	1468.0	1467.8	1467.5	1467.2	1467.0	1467.2	1467.5	1467.8	1468.1	1468.3
1.5°	1467.2	1467.3	1467.3	1467.1	1467.0	1466.9	1467.1	1467.3	1467.5	1467.6	1467.8
2°	1466.0	1466.0	1465.8	1465.5	1465.3	1465.3	1465.5	1465.8	1466.3	1466.6	1466.7
2.5°	1465.1	1465.0	1464.4	1463.8	1463.8	1464.1	1464.1	1464.2	1464.7	1465.3	1465.7
3°	1463.7	1463.5	1462.7	1462.5	1462.7	1462.9	1462.8	1462.8	1463.3	1463.9	1464.1
3.5°	1461.5	1461.3	1461.1	1460.6	1460.8	1461.3	1461.5	1461.7	1462.1	1462.6	1463.1
4°	1460.3	1460.2	1459.5	1459.0	1459.2	1459.7	1460.0	1460.0	1460.1	1460.7	1461.3
4.5°	1458.0	1457.7	1457.6	1457.6	1457.5	1457.3	1457.5	1457.8	1458.1	1459.0	1460.2
5°	1456.2	1456.0	1455.2	1454.8	1454.4	1454.2	1454.8	1455.6	1456.5	1457.6	1458.9
5.5°	1454.4	1453.7	1453.1	1452.6	1452.3	1452.6	1452.6	1453.3	1454.4	1455.8	1457.2
6°	1451.7	1451.1	1450.7	1450.3	1450.1	1449.9	1449.8	1450.4	1451.7	1452.8	1454.6
6.5°	1449.1	1448.1	1447.7	1447.3	1447.1	1447.3	1447.3	1448.1	1449.3	1450.7	1452.6
7°	1447.1	1446.1	1444.8	1444.1	1444.3	1444.6	1444.9	1445.6	1447.0	1448.1	1450.7
7.5°	1444.6	1443.6	1441.8	1441.4	1440.8	1440.3	1441.1	1442.3	1443.7	1445.4	1447.8
8°	1441.3	1440.4	1438.9	1438.0	1437.4	1437.5	1438.0	1439.2	1440.6	1442.2	1445.0
8.5°	1438.1	1436.5	1435.6	1434.7	1433.9	1434.2	1434.5	1435.8	1437.7	1439.4	1442.1
9°	1434.4	1433.1	1432.1	1430.8	1430.6	1430.6	1430.7	1431.9	1434.2	1436.7	1439.9
9.5°	1431.5	1429.9	1427.9	1427.1	1426.7	1426.5	1426.7	1428.3	1430.5	1433.2	1436.7
10°	1429.0	1426.3	1424.4	1423.2	1422.8	1422.7	1422.6	1424.3	1427.0	1429.8	1433.1
10.5°	1424.8	1422.6	1420.3	1418.8	1418.2	1417.5	1418.6	1420.5	1423.0	1426.2	1430.2
11°	1420.7	1418.4	1416.1	1414.8	1414.0	1413.8	1414.2	1415.9	1418.9	1422.0	1426.3
11.5°	1416.5	1414.0	1411.6	1410.1	1409.4	1408.8	1409.7	1411.5	1414.6	1418.8	1422.0
12°	1413.0	1409.6	1407.0	1405.5	1404.5	1404.2	1405.4	1407.5	1410.5	1414.9	1419.1
12.5°	1409.0	1405.4	1402.7	1401.0	1400.0	1398.9	1400.4	1402.6	1405.8	1410.2	1415.4
13°	1404.6	1400.6	1397.7	1395.7	1394.0	1393.6	1395.4	1397.6	1400.7	1405.6	1410.6
13.5°	1399.5	1395.5	1392.5	1390.2	1388.6	1388.5	1390.0	1392.0	1395.9	1400.7	1406.6
14°	1395.2	1390.7	1387.5	1385.0	1383.2	1383.8	1384.3	1386.9	1391.2	1396.7	1401.4
14.5°	1390.2	1385.3	1382.3	1379.8	1377.2	1377.6	1379.2	1381.5	1385.8	1391.6	1397.1
15°	1385.1	1380.2	1377.0	1373.9	1372.1	1371.8	1373.2	1376.2	1380.1	1386.1	1392.2
15.5°	1380.3	1375.1	1370.9	1367.7	1366.4	1365.6	1367.1	1370.2	1374.9	1380.8	1387.3
16°	1375.1	1369.7	1365.0	1361.4	1359.3	1359.2	1360.6	1364.0	1368.8	1375.0	1381.8
16.5°	1369.5	1363.9	1359.2	1355.4	1353.4	1353.6	1354.8	1357.9	1363.2	1369.5	1376.3
17°	1364.0	1358.0	1353.3	1349.5	1347.3	1346.9	1348.4	1351.6	1357.1	1364.2	1371.0
17.5°	1358.1	1352.1	1347.1	1343.1	1340.7	1340.0	1342.0	1345.0	1350.6	1358.1	1365.9
18°	1352.1	1345.7	1340.5	1336.1	1333.6	1332.8	1334.3	1339.0	1344.6	1352.0	1360.2
18.5°	1346.0	1339.6	1333.6	1328.8	1326.7	1326.3	1327.9	1332.3	1338.6	1345.9	1354.2
19°	1340.4	1332.7	1326.6	1321.9	1320.2	1318.7	1320.3	1324.9	1331.1	1339.3	1347.5
19.5°	1333.3	1325.9	1319.7	1314.8	1312.8	1311.5	1313.4	1317.6	1324.1	1333.1	1341.7
20°	1327.3	1319.6	1312.9	1307.6	1304.7	1304.2	1306.5	1310.6	1317.6	1326.5	1336.2
20.5°	1320.8	1312.6	1305.8	1300.0	1296.7	1296.4	1298.8	1303.7	1310.6	1319.8	1329.9
21°	1313.7	1305.7	1298.4	1292.3	1288.8	1288.6	1290.9	1295.9	1303.5	1313.2	1322.9



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CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1292.8	1283.2	1275.3	1269.2	1264.6	1264.0	1266.1	1271.4	1280.1	1291.5	1302.3
23°	1285.9	1275.7	1267.6	1260.8	1256.5	1256.3	1257.9	1263.7	1272.6	1284.0	1295.7
23.5°	1278.2	1267.5	1259.2	1252.4	1248.6	1247.1	1249.3	1255.2	1264.6	1276.1	1288.3
24°	1270.8	1259.9	1250.8	1243.2	1239.6	1238.0	1240.1	1247.0	1256.2	1268.1	1280.5
24.5°	1263.0	1252.1	1242.2	1234.4	1230.8	1228.8	1231.9	1239.1	1248.5	1260.3	1273.2
25°	1256.2	1244.0	1234.5	1226.2	1222.3	1220.0	1223.0	1230.5	1240.2	1252.4	1265.3
25.5°	1247.3	1235.5	1225.8	1217.3	1212.6	1211.0	1213.9	1221.0	1231.2	1244.0	1257.9
26°	1239.2	1226.9	1216.6	1208.4	1203.8	1201.6	1204.9	1212.0	1223.1	1236.1	1250.2
26.5°	1231.1	1218.6	1207.4	1199.2	1194.7	1192.4	1195.0	1203.0	1214.1	1227.8	1241.8
27°	1223.3	1210.5	1198.8	1189.5	1184.7	1183.3	1185.8	1193.5	1205.2	1218.9	1233.6
27.5°	1214.7	1200.9	1189.6	1179.9	1174.5	1173.9	1176.5	1184.0	1195.9	1210.7	1225.1
28°	1205.7	1192.2	1180.5	1170.4	1165.4	1163.8	1167.1	1175.4	1187.2	1201.7	1217.2
28.5°	1197.5	1183.7	1171.4	1161.5	1155.7	1153.8	1156.9	1165.6	1178.0	1192.6	1207.9
29°	1188.8	1174.2	1161.8	1151.3	1145.5	1144.6	1147.7	1155.3	1167.8	1183.3	1199.4
29.5°	1179.9	1164.7	1152.1	1141.5	1135.7	1133.9	1136.5	1145.6	1158.6	1174.7	1191.2
30°	1170.9	1155.3	1142.4	1131.6	1125.3	1123.7	1127.2	1136.1	1149.2	1165.7	1182.3
30.5°	1161.6	1146.2	1132.7	1121.6	1115.7	1113.4	1116.8	1125.8	1139.2	1155.9	1173.0
31°	1152.5	1136.6	1122.9	1111.6	1105.4	1103.1	1107.0	1116.1	1129.5	1146.3	1164.3
31.5°	1143.0	1127.0	1113.0	1101.3	1094.7	1092.5	1096.4	1106.1	1119.9	1137.1	1154.8
32°	1133.4	1117.5	1103.1	1090.7	1084.0	1081.8	1085.8	1095.5	1110.3	1127.6	1145.7
32.5°	1124.5	1107.8	1092.8	1079.9	1073.3	1071.1	1075.2	1084.9	1100.1	1118.1	1136.3
33°	1114.7	1097.5	1082.6	1069.2	1062.7	1060.5	1064.6	1074.3	1089.7	1108.4	1127.1
33.5°	1104.6	1087.2	1072.3	1058.4	1052.0	1049.8	1054.1	1063.7	1079.2	1098.5	1117.5
34°	1096.2	1077.1	1062.2	1048.3	1040.6	1038.9	1042.6	1053.0	1068.8	1088.3	1107.9
34.5°	1085.8	1067.0	1051.8	1038.2	1030.0	1027.6	1031.9	1042.7	1058.4	1078.2	1098.6
35°	1075.6	1056.6	1040.4	1027.3	1019.2	1016.5	1021.2	1032.2	1048.0	1068.1	1088.7
35.5°	1065.4	1046.3	1029.8	1016.5	1008.3	1005.7	1010.1	1021.5	1037.3	1057.9	1078.7
36°	1055.1	1036.1	1019.4	1005.0	996.8	994.4	998.8	1009.6	1026.5	1047.7	1068.8
36.5°	1044.7	1025.4	1007.9	994.0	985.3	983.4	987.7	999.0	1015.6	1036.7	1058.9
37°	1034.3	1014.2	997.2	983.2	974.0	971.6	976.3	988.2	1004.9	1026.0	1048.5
37.5°	1023.9	1003.5	986.3	972.1	963.5	960.4	965.2	976.7	993.6	1015.2	1038.1
38°	1013.0	992.6	975.0	960.2	951.6	949.6	953.6	965.8	983.1	1004.7	1027.1
38.5°	1002.5	982.0	964.0	949.3	940.4	937.5	942.6	954.5	972.1	994.1	1016.7
39°	991.9	971.2	952.7	937.9	929.2	926.5	931.5	943.5	961.1	983.3	1006.3
39.5°	981.0	960.5	941.9	926.6	918.0	914.9	919.5	931.9	949.8	972.2	995.8
40°	970.6	949.3	930.7	915.5	906.2	903.5	908.4	920.7	938.5	961.3	985.1
40.5°	959.8	938.2	919.5	904.0	894.6	892.0	896.4	908.9	927.9	950.4	974.6
41°	948.9	927.0	908.1	892.2	883.2	880.4	885.6	898.0	916.3	939.5	963.5
41.5°	937.8	916.1	897.0	881.2	871.8	869.1	873.6	886.6	905.3	928.5	952.7
42°	926.7	904.7	885.3	869.8	859.9	857.3	862.5	874.9	893.9	917.0	942.4
42.5°	916.1	893.9	874.0	858.3	848.5	846.0	850.8	863.7	882.9	905.7	930.8
43°	905.2	882.3	863.0	846.8	836.7	834.7	839.7	852.4	871.5	895.0	920.1
43.5°	893.8	871.3	851.4	835.1	825.7	822.9	827.9	840.5	859.6	883.9	909.0



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	860.1	836.8	816.9	800.9	791.4	788.1	793.0	806.3	825.3	850.0	875.7
45.5°	848.9	825.7	806.0	789.3	779.8	776.9	782.1	795.1	814.1	838.6	864.3
46°	837.6	814.6	794.2	778.1	768.1	765.9	770.7	783.9	803.2	827.2	853.3
46.5°	826.2	803.1	783.0	766.6	756.8	754.3	759.2	772.6	791.9	815.9	841.8
47°	815.1	791.5	771.5	755.2	745.1	742.8	748.0	760.8	780.3	804.5	830.9
47.5°	803.4	780.2	760.3	743.9	734.0	731.7	736.6	749.5	768.9	793.2	819.4
48°	791.8	769.1	748.4	732.4	722.9	720.0	724.8	738.0	757.4	781.6	807.8
48.5°	780.4	757.6	737.5	721.4	711.8	708.8	714.0	726.7	746.0	770.4	796.2
49°	769.2	746.1	726.1	710.2	700.2	697.5	703.0	715.8	735.3	759.5	784.9
49.5°	758.4	734.7	715.1	699.1	688.9	686.8	691.6	704.6	723.5	747.9	773.9
50°	746.0	723.4	703.4	687.6	677.8	675.4	680.9	693.2	712.7	736.3	762.7
50.5°	735.2	712.0	691.7	676.3	667.1	664.5	669.1	681.8	701.2	724.9	751.1
51°	723.6	700.4	681.0	665.4	655.7	653.9	658.4	670.9	689.7	713.7	740.0
51.5°	712.0	689.2	670.0	654.5	644.8	642.7	647.6	660.3	678.8	702.5	728.3
52°	700.3	678.4	658.9	643.6	633.9	631.7	636.7	649.5	667.9	691.8	717.0
52.5°	689.0	667.1	647.8	632.5	623.3	621.4	625.7	638.4	657.0	680.4	705.6
53°	677.7	655.8	636.4	621.4	612.3	610.6	615.1	627.4	645.8	669.0	694.4
53.5°	666.4	644.6	625.3	610.6	601.5	599.6	604.7	616.4	634.9	657.9	683.6
54°	655.1	633.5	614.3	599.9	590.9	588.4	593.4	605.3	623.7	646.7	672.1
54.5°	643.8	622.0	603.3	589.0	580.1	578.3	583.2	594.7	612.9	635.5	660.3
55°	632.3	610.6	592.5	578.4	569.4	567.6	572.3	584.2	601.9	624.6	649.0
55.5°	621.3	599.8	581.7	567.6	559.4	557.5	562.1	573.5	591.0	613.5	637.5
56°	609.8	588.7	570.7	557.2	548.8	547.1	551.7	562.7	580.1	602.5	626.5
56.5°	598.3	577.4	560.2	546.7	538.1	536.4	541.3	552.4	569.6	591.4	615.1
57°	587.2	566.6	549.2	536.1	527.9	526.5	531.0	542.2	558.7	580.2	603.9
57.5°	575.5	555.9	538.9	525.5	517.6	516.0	520.3	531.4	548.2	569.2	592.5
58°	564.5	544.8	528.1	515.2	507.7	506.0	510.4	521.0	537.4	558.1	581.4
58.5°	553.1	534.2	517.7	504.9	497.4	496.0	500.3	510.7	527.1	547.5	570.6
59°	542.1	523.3	506.9	494.8	487.1	485.8	490.1	500.6	516.5	536.8	559.4
59.5°	531.0	512.3	496.8	484.4	476.9	475.7	480.6	490.5	506.3	525.9	548.3
60°	519.8	501.8	486.6	474.1	467.5	466.3	470.3	480.2	495.7	515.2	536.8
60.5°	508.9	491.1	476.0	464.1	457.4	456.1	460.3	470.1	485.5	504.5	525.5
61°	497.5	480.4	465.6	454.1	447.4	446.4	450.3	460.2	475.0	493.9	514.9
61.5°	486.6	469.8	455.6	444.6	438.4	436.8	440.9	450.4	465.0	483.2	503.6
62°	475.3	459.3	445.6	434.5	428.2	427.3	431.2	440.7	454.7	472.9	492.6
62.5°	464.7	448.9	435.3	424.6	418.4	417.8	421.6	430.8	444.7	462.4	481.8
63°	453.9	438.5	424.9	414.8	409.1	408.2	411.9	420.9	434.5	451.8	470.9
63.5°	443.2	428.0	415.0	405.1	399.8	398.8	402.6	411.3	424.5	441.6	460.3
64°	432.1	417.6	405.6	395.6	390.4	389.5	393.0	401.8	414.5	431.3	449.3
64.5°	421.4	407.4	395.5	385.9	380.7	380.3	383.8	392.1	404.7	420.8	438.6
65°	410.7	397.2	385.6	376.6	371.8	371.0	374.7	382.8	395.0	410.6	427.9
65.5°	400.1	387.1	376.2	367.3	362.5	361.8	365.5	373.4	385.5	400.4	417.2
66°	389.8	377.0	366.6	357.7	353.1	352.5	355.9	363.8	375.5	390.4	406.5



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CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	357.7	346.7	337.4	330.2	326.3	325.8	329.1	336.3	346.7	360.1	374.5
68°	347.3	336.9	328.0	321.0	317.5	317.2	320.3	327.2	337.1	350.3	364.5
68.5°	337.2	327.0	318.6	312.2	308.8	308.2	311.5	318.3	327.9	340.5	354.3
69°	326.9	317.2	309.4	303.3	299.9	299.8	302.7	309.3	318.6	330.6	344.1
69.5°	316.6	307.7	300.1	294.2	291.0	291.0	293.9	300.3	309.3	320.8	333.5
70°	306.6	298.1	291.1	285.3	282.6	282.7	285.4	291.4	300.0	311.0	323.2
70.5°	296.1	288.5	281.9	276.9	274.2	274.3	277.0	282.6	290.9	301.6	312.8
71°	286.2	279.0	273.0	268.3	265.8	265.9	268.5	274.0	282.0	291.9	303.1
71.5°	276.4	269.6	264.1	259.7	257.3	257.5	260.2	265.3	273.0	282.5	292.9
72°	266.5	260.4	255.2	251.2	249.1	249.6	252.0	256.9	264.2	273.2	283.1
72.5°	256.6	251.1	246.5	242.8	241.0	241.3	243.8	248.6	255.3	263.8	273.0
73°	247.0	242.1	237.7	234.4	232.8	233.2	235.5	240.2	246.3	254.6	263.7
73.5°	237.3	233.0	229.0	226.2	224.9	225.1	227.6	231.7	237.9	245.4	253.6
74°	227.7	223.9	220.7	218.2	216.8	217.7	219.6	223.7	229.3	236.4	243.9
74.5°	218.3	215.1	212.2	210.3	209.1	209.8	211.9	215.7	220.9	227.4	234.2
75°	209.1	206.5	204.1	202.2	201.4	202.1	204.1	207.6	212.5	218.5	225.1
75.5°	200.0	197.8	195.7	194.4	193.8	194.5	196.3	199.6	204.1	209.6	215.7
76°	190.6	189.3	187.9	186.6	186.1	186.9	188.7	191.9	196.2	201.0	206.5
76.5°	181.7	180.7	179.8	179.0	178.8	179.5	181.3	184.2	187.9	192.3	197.2
77°	173.0	172.4	172.2	171.6	171.4	172.3	174.0	176.6	180.0	183.9	188.3
77.5°	164.1	164.3	164.3	164.3	164.5	165.3	166.9	169.2	172.3	175.6	178.9
78°	155.6	156.5	156.8	157.1	157.6	158.4	159.7	162.0	164.7	167.5	170.4
78.5°	147.4	148.9	149.5	149.9	150.7	151.6	152.9	154.8	156.9	159.4	161.7
79°	139.1	141.0	142.2	143.1	143.8	144.8	146.1	147.8	149.6	151.5	153.3
79.5°	131.3	133.7	135.3	136.4	137.3	138.3	139.7	141.0	142.4	143.8	144.6
80°	123.6	126.8	128.8	130.2	131.3	132.1	133.1	134.2	135.5	136.2	136.7
80.5°	115.9	119.9	122.4	124.1	125.3	126.2	127.1	127.9	129.0	129.0	129.0
81°	108.2	112.9	115.9	118.0	119.4	120.2	121.1	121.9	122.5	122.1	121.4
81.5°	101.0	106.0	109.4	111.8	113.4	114.3	115.1	115.8	116.0	115.2	113.8
82°	94.3	99.3	103.0	105.7	107.4	108.4	109.2	109.7	109.4	108.2	106.2
82.5°	87.5	93.1	97.0	99.9	101.8	102.9	103.6	103.7	103.0	101.5	98.8
83°	80.9	86.9	91.2	94.3	96.3	97.5	98.1	98.0	97.0	95.0	92.0
83.5°	74.6	80.9	85.6	88.8	90.9	92.0	92.6	92.4	91.2	88.7	85.2
84°	68.6	75.2	80.1	83.5	85.7	87.0	87.5	87.0	85.5	82.7	78.7
84.5°	62.9	69.9	74.9	78.5	80.8	82.0	82.4	81.8	80.1	76.9	72.3
85°	57.5	64.6	69.8	73.6	76.0	77.2	77.5	76.7	74.7	71.4	66.5
85.5°	52.4	59.6	65.0	68.9	71.3	72.4	72.7	71.9	69.7	66.0	60.8
86°	47.5	54.8	60.4	64.4	66.8	68.0	68.3	67.3	64.7	60.9	55.4
86.5°	42.9	50.4	56.1	60.0	62.5	63.7	63.9	62.8	60.2	56.0	50.2
87°	38.7	46.2	51.8	55.9	58.5	59.8	59.8	58.5	55.8	51.4	45.4
87.5°	34.7	42.2	48.0	52.1	54.6	55.9	55.8	54.5	51.6	47.1	41.0
88°	31.2	38.5	44.3	48.4	51.0	52.1	52.1	50.7	47.7	43.1	36.8
88.5°	27.8	35.1	40.8	45.0	47.5	48.6	48.5	47.0	44.0	39.4	33.0



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	19.9	26.5	31.8	35.8	38.3	39.4	39.1	37.4	34.2	29.5	23.3
90.5°	17.9	24.1	29.3	33.2	35.6	36.6	36.3	34.7	31.5	26.8	20.8
91°	16.1	22.0	27.0	30.8	33.2	34.1	33.8	32.1	29.0	24.3	18.5
91.5°	14.6	20.2	24.9	28.6	30.9	31.8	31.5	29.8	26.7	22.2	16.6
92°	13.6	18.6	23.1	26.6	28.8	29.7	29.3	27.6	24.6	20.3	14.9
92.5°	12.8	17.2	21.4	24.8	26.9	27.7	27.3	25.7	22.7	18.6	13.9
93°	11.9	15.9	20.0	23.2	25.2	25.9	25.6	23.9	21.0	17.1	12.9
93.5°	11.0	14.9	18.8	21.7	23.7	24.4	24.0	22.4	19.6	15.9	11.9
94°	10.1	14.1	17.7	20.5	22.3	23.0	22.6	21.0	18.4	14.8	10.9
94.5°	9.6	13.4	16.8	19.5	21.2	21.8	21.4	19.8	17.3	13.9	10.0
95°	9.3	12.8	16.0	18.5	20.1	20.7	20.2	18.8	16.4	13.1	9.4
95.5°	8.9	12.3	15.3	17.7	19.2	19.7	19.3	17.9	15.5	12.5	9.1
96°	8.6	11.9	14.7	16.9	18.3	18.8	18.4	17.1	14.9	12.0	8.8
96.5°	8.4	11.6	14.2	16.3	17.6	18.1	17.7	16.4	14.3	11.6	8.4
97°	8.2	11.2	13.7	15.7	16.9	17.4	17.0	15.9	13.8	11.1	8.1
97.5°	8.0	10.9	13.3	15.2	16.3	16.8	16.5	15.3	13.4	10.7	7.7
98°	7.9	10.5	12.9	14.7	15.8	16.2	16.0	14.9	13.0	10.2	7.4
98.5°	7.8	10.3	12.5	14.2	15.4	15.8	15.5	14.4	12.5	9.8	7.1
99°	7.7	10.1	12.2	13.8	14.9	15.3	15.0	14.0	12.1	9.5	7.0
99.5°	7.6	9.9	11.9	13.5	14.5	14.9	14.6	13.5	11.8	9.2	6.9
100°	7.5	9.8	11.7	13.2	14.2	14.5	14.1	13.1	11.4	9.0	6.8
100.5°	7.4	9.6	11.5	12.9	13.8	14.2	13.8	12.7	11.1	8.8	6.7
101°	7.3	9.5	11.3	12.7	13.5	13.8	13.4	12.4	10.7	8.7	6.6
101.5°	7.1	9.4	11.1	12.4	13.2	13.5	13.1	12.0	10.4	8.6	6.6
102°	7.0	9.2	10.9	12.2	12.9	13.2	12.8	11.8	10.3	8.5	6.4
102.5°	6.9	9.1	10.7	12.0	12.7	12.9	12.5	11.6	10.1	8.4	6.3
103°	6.7	9.0	10.6	11.8	12.5	12.8	12.4	11.5	10.0	8.3	6.2
103.5°	6.6	8.8	10.4	11.6	12.3	12.6	12.2	11.4	9.9	8.2	6.0
104°	6.4	8.7	10.3	11.5	12.1	12.4	12.1	11.2	9.8	8.1	5.8
104.5°	6.3	8.5	10.1	11.3	12.0	12.2	11.9	11.1	9.7	7.9	5.6
105°	6.2	8.3	10.0	11.1	11.8	12.1	11.7	10.9	9.6	7.8	5.5
105.5°	6.0	8.2	9.8	10.9	11.6	11.9	11.6	10.7	9.4	7.6	5.3
106°	5.9	8.0	9.6	10.7	11.4	11.8	11.5	10.6	9.3	7.4	5.2
106.5°	5.8	7.8	9.4	10.6	11.3	11.6	11.3	10.5	9.1	7.2	5.0
107°	5.6	7.7	9.2	10.4	11.1	11.4	11.1	10.3	8.9	7.0	4.9
107.5°	5.5	7.5	9.0	10.2	10.9	11.2	10.9	10.1	8.7	6.8	4.8
108°	5.4	7.3	8.8	10.0	10.7	11.0	10.7	9.9	8.5	6.6	4.6
108.5°	5.2	7.2	8.6	9.8	10.5	10.8	10.5	9.7	8.2	6.4	4.5
109°	5.1	7.0	8.5	9.6	10.3	10.6	10.3	9.4	8.0	6.3	4.4
109.5°	4.9	6.9	8.3	9.3	10.0	10.3	10.1	9.2	7.8	6.1	4.3
110°	4.8	6.7	8.1	9.1	9.8	10.1	9.8	9.0	7.6	6.0	4.2
110.5°	4.6	6.5	7.9	8.9	9.5	9.8	9.6	8.7	7.4	5.8	4.0
111°	4.5	6.3	7.7	8.7	9.3	9.6	9.4	8.5	7.2	5.7	3.9



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	4.0	5.8	7.3	8.1	8.7	8.9	8.7	7.9	6.6	5.3	3.6
113°	3.8	5.7	7.1	7.9	8.5	8.7	8.5	7.7	6.5	5.2	3.4
113.5°	3.7	5.5	6.9	7.8	8.3	8.5	8.3	7.5	6.3	5.0	3.3
114°	3.6	5.3	6.7	7.6	8.1	8.3	8.1	7.3	6.1	4.9	3.2
114.5°	3.5	5.1	6.6	7.4	7.9	8.1	7.9	7.2	6.0	4.8	3.1
115°	3.4	4.9	6.4	7.3	7.8	7.9	7.7	7.0	5.8	4.6	3.0
115.5°	3.3	4.7	6.2	7.1	7.6	7.7	7.5	6.8	5.7	4.4	2.9
116°	3.2	4.6	6.0	7.0	7.4	7.5	7.3	6.6	5.5	4.3	2.9
116.5°	3.2	4.4	5.8	6.8	7.3	7.4	7.1	6.4	5.3	4.1	2.8
117°	3.1	4.2	5.6	6.6	7.1	7.2	6.9	6.2	5.2	4.0	2.8
117.5°	3.1	4.1	5.4	6.4	6.9	7.0	6.8	6.0	5.0	3.9	2.7
118°	3.1	3.9	5.2	6.2	6.7	6.8	6.6	5.9	4.8	3.7	2.7
118.5°	3.0	3.8	5.0	6.0	6.6	6.7	6.4	5.7	4.6	3.6	2.6
119°	2.9	3.7	4.8	5.8	6.4	6.5	6.2	5.5	4.4	3.5	2.5
119.5°	2.8	3.6	4.6	5.6	6.2	6.3	6.0	5.3	4.3	3.4	2.3
120°	2.7	3.5	4.4	5.4	6.0	6.1	5.8	5.1	4.1	3.3	2.3
120.5°	2.6	3.4	4.3	5.2	5.7	5.9	5.6	4.9	4.0	3.2	2.2
121°	2.4	3.3	4.1	4.9	5.5	5.6	5.4	4.7	3.8	3.1	2.2
121.5°	2.4	3.3	4.0	4.8	5.3	5.4	5.2	4.5	3.7	3.1	2.1
122°	2.4	3.2	3.9	4.6	5.1	5.2	5.0	4.4	3.6	3.0	2.1
122.5°	2.4	3.2	3.8	4.4	4.9	5.0	4.8	4.2	3.5	2.9	2.2
123°	2.5	3.1	3.7	4.3	4.7	4.8	4.6	4.1	3.4	2.7	2.2
123.5°	2.5	3.0	3.6	4.2	4.5	4.6	4.5	4.0	3.3	2.6	2.2
124°	2.6	2.9	3.5	4.1	4.4	4.5	4.3	3.9	3.2	2.4	2.3
124.5°	2.6	2.7	3.4	3.9	4.3	4.3	4.2	3.8	3.1	2.3	2.3
125°	2.7	2.6	3.3	3.8	4.1	4.2	4.1	3.7	3.1	2.2	2.4
125.5°	2.7	2.4	3.2	3.7	4.0	4.1	4.0	3.6	3.0	2.1	2.4
126°	2.8	2.3	3.2	3.6	3.9	4.0	3.9	3.5	2.9	2.0	2.4
126.5°	2.8	2.4	3.0	3.5	3.8	3.9	3.8	3.4	2.7	2.0	2.5
127°	2.9	2.4	2.9	3.4	3.7	3.8	3.7	3.3	2.6	2.0	2.5
127.5°	2.9	2.4	2.8	3.4	3.6	3.7	3.6	3.2	2.4	2.1	2.5
128°	3.0	2.5	2.6	3.3	3.5	3.6	3.5	3.1	2.3	2.1	2.5
128.5°	3.0	2.5	2.5	3.1	3.5	3.5	3.4	3.0	2.2	2.1	2.5
129°	3.1	2.6	2.3	3.0	3.4	3.4	3.3	2.8	2.2	2.2	2.5
129.5°	3.1	2.6	2.3	2.8	3.2	3.3	3.2	2.7	2.1	2.2	2.6
130°	3.1	2.6	2.4	2.7	3.1	3.2	3.0	2.5	2.1	2.3	2.6
130.5°	3.2	2.7	2.4	2.5	2.9	3.0	2.8	2.4	2.2	2.3	2.6
131°	3.2	2.7	2.4	2.4	2.8	2.8	2.7	2.3	2.2	2.3	2.6
131.5°	3.2	2.8	2.5	2.3	2.6	2.7	2.6	2.2	2.3	2.4	2.6
132°	3.2	2.8	2.5	2.3	2.5	2.6	2.4	2.2	2.3	2.4	2.6
132.5°	3.3	2.9	2.6	2.4	2.3	2.4	2.3	2.3	2.3	2.5	2.7
133°	3.4	2.9	2.6	2.4	2.3	2.3	2.3	2.3	2.4	2.5	2.8
133.5°	3.4	3.0	2.6	2.4	2.3	2.3	2.3	2.3	2.4	2.6	2.9



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

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	2.4	2.4	2.4	2.5	2.8	3.1
135.5°	3.7	3.2	2.8	2.6	2.5	2.4	2.5	2.5	2.6	2.8	3.1
136°	3.7	3.2	2.8	2.6	2.5	2.4	2.5	2.5	2.6	2.9	3.2
136.5°	3.8	3.2	2.9	2.7	2.5	2.5	2.5	2.6	2.7	2.9	3.2
137°	3.8	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.7	2.9	3.2
137.5°	3.8	3.4	3.0	2.7	2.6	2.6	2.6	2.6	2.8	3.0	3.1
138°	3.7	3.4	3.0	2.8	2.6	2.6	2.6	2.7	2.8	3.1	3.1
138.5°	3.6	3.5	3.1	2.8	2.7	2.6	2.7	2.7	2.9	3.2	3.0
139°	3.6	3.5	3.1	2.9	2.7	2.7	2.7	2.7	3.0	3.3	3.0
139.5°	3.6	3.6	3.2	2.9	2.8	2.7	2.8	2.8	3.0	3.3	3.0
140°	3.6	3.6	3.2	2.9	2.8	2.7	2.8	2.9	3.1	3.3	3.0
140.5°	3.6	3.7	3.3	3.0	2.8	2.8	2.8	2.9	3.2	3.4	3.0
141°	3.6	3.7	3.4	3.0	2.9	2.8	2.9	3.0	3.3	3.4	2.9
141.5°	3.6	3.8	3.5	3.1	2.9	2.9	2.9	3.0	3.4	3.4	2.9
142°	3.6	3.7	3.6	3.2	3.0	2.9	3.0	3.1	3.4	3.3	2.9
142.5°	3.6	3.7	3.6	3.2	3.0	3.0	3.0	3.2	3.5	3.3	3.0
143°	3.6	3.6	3.6	3.4	3.1	3.0	3.1	3.3	3.5	3.2	3.0
143.5°	3.6	3.5	3.6	3.5	3.2	3.1	3.2	3.4	3.5	3.2	3.0
144°	3.6	3.5	3.7	3.6	3.3	3.2	3.3	3.5	3.5	3.2	3.0
144.5°	3.6	3.5	3.7	3.6	3.4	3.3	3.5	3.6	3.5	3.2	3.0
145°	3.6	3.5	3.7	3.6	3.5	3.5	3.5	3.6	3.4	3.1	3.0
145.5°	3.6	3.5	3.6	3.6	3.6	3.5	3.6	3.6	3.3	3.1	2.9
146°	3.6	3.5	3.5	3.7	3.6	3.6	3.6	3.6	3.3	3.1	2.9
146.5°	3.6	3.5	3.5	3.7	3.6	3.6	3.7	3.6	3.3	3.1	2.9
147°	3.6	3.5	3.5	3.6	3.7	3.7	3.7	3.5	3.3	3.1	2.9
147.5°	3.6	3.5	3.5	3.5	3.7	3.7	3.7	3.4	3.3	3.1	2.9
148°	3.6	3.5	3.5	3.5	3.6	3.7	3.6	3.4	3.3	3.1	2.9
148.5°	3.6	3.5	3.5	3.5	3.5	3.6	3.5	3.4	3.3	3.1	2.9
149°	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.1	2.9
149.5°	3.6	3.5	3.5	3.5	3.4	3.5	3.5	3.4	3.3	3.1	2.9
150°	3.6	3.5	3.5	3.5	3.4	3.5	3.5	3.4	3.3	3.0	2.9
150.5°	3.5	3.5	3.5	3.4	3.4	3.5	3.4	3.4	3.2	3.0	2.9
151°	3.5	3.5	3.4	3.5	3.4	3.4	3.4	3.4	3.2	3.0	2.9
151.5°	3.6	3.4	3.4	3.5	3.4	3.4	3.4	3.4	3.2	3.0	2.9
152°	3.7	3.4	3.4	3.5	3.4	3.4	3.4	3.4	3.2	3.0	2.9
152.5°	3.8	3.4	3.4	3.4	3.4	3.5	3.5	3.3	3.2	3.0	2.9
153°	3.7	3.4	3.4	3.4	3.4	3.5	3.5	3.3	3.2	3.0	2.9
153.5°	3.8	3.4	3.4	3.4	3.4	3.5	3.4	3.3	3.2	3.0	3.0
154°	3.8	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.0	3.0
154.5°	3.8	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.0	3.0
155°	3.9	3.6	3.4	3.3	3.4	3.4	3.3	3.3	3.2	3.1	3.0
155.5°	3.7	3.6	3.4	3.3	3.3	3.4	3.3	3.3	3.2	3.1	3.1
156°	3.7	3.7	3.4	3.3	3.3	3.4	3.3	3.3	3.2	3.1	3.1



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	3.9	3.6	3.5	3.4	3.3	3.4	3.4	3.3	3.3	3.2	3.2
158°	3.7	3.5	3.6	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2
158.5°	3.5	3.5	3.6	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.2
159°	3.4	3.5	3.6	3.5	3.4	3.4	3.4	3.5	3.4	3.4	3.3
159.5°	3.4	3.5	3.7	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.3
160°	3.3	3.5	3.7	3.6	3.5	3.5	3.5	3.5	3.6	3.5	3.3
160.5°	3.3	3.5	3.7	3.7	3.5	3.5	3.5	3.5	3.6	3.5	3.4
161°	3.3	3.5	3.7	3.7	3.6	3.6	3.6	3.6	3.7	3.6	3.4
161.5°	3.3	3.4	3.6	3.8	3.6	3.6	3.6	3.7	3.7	3.6	3.4
162°	3.3	3.3	3.5	3.8	3.7	3.7	3.7	3.7	3.8	3.7	3.5
162.5°	3.2	3.3	3.5	3.8	3.8	3.7	3.7	3.8	3.8	3.7	3.4
163°	3.2	3.3	3.5	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.4
163.5°	3.2	3.3	3.4	3.7	3.9	3.8	3.9	3.9	3.9	3.7	3.5
164°	3.2	3.3	3.3	3.6	3.9	3.9	3.9	3.9	3.9	3.8	3.5
164.5°	3.2	3.3	3.3	3.6	3.9	3.9	3.9	4.0	3.9	3.8	3.0
165°	3.1	3.3	3.3	3.5	3.9	3.9	4.0	4.0	3.9	3.6	2.9
165.5°	3.1	3.3	3.3	3.5	3.9	4.0	4.0	4.0	3.9	3.0	3.3
166°	3.0	3.3	3.3	3.3	3.8	4.0	4.0	4.0	3.8	3.1	3.5
166.5°	3.0	3.3	3.3	3.3	3.8	4.0	4.0	4.0	3.9	3.6	3.0
167°	3.0	3.4	3.3	3.2	3.7	4.0	4.0	4.1	3.4	3.4	2.7
167.5°	3.0	3.5	3.4	3.2	3.6	4.0	4.0	4.0	3.1	2.9	3.1
168°	3.1	3.5	3.5	3.2	3.6	4.0	4.0	4.0	3.4	2.7	3.4
168.5°	3.2	3.6	3.7	3.2	3.3	3.9	4.0	3.9	3.7	3.4	3.2
169°	3.2	3.5	3.7	3.3	3.2	3.9	3.9	3.9	2.9	3.5	3.1
169.5°	3.1	3.5	3.6	3.3	3.1	3.8	3.9	3.6	2.6	3.4	3.3
170°	3.2	3.4	3.6	3.5	3.1	3.7	3.9	3.1	3.5	3.4	3.3
170.5°	3.2	3.3	3.5	3.6	3.1	3.6	3.8	3.0	3.5	3.5	3.3
171°	3.2	3.3	3.4	3.5	3.1	3.5	3.8	3.0	3.3	3.4	3.2
171.5°	3.2	3.3	3.4	3.5	3.1	3.4	3.7	2.6	3.5	3.3	3.2
172°	3.1	3.2	3.3	3.4	3.3	3.0	3.6	2.8	3.5	3.3	3.2
172.5°	3.1	3.2	3.3	3.4	3.3	3.0	3.5	3.2	3.4	3.3	3.1
173°	3.1	3.1	3.2	3.3	3.3	2.9	3.3	3.2	3.3	3.2	3.0
173.5°	3.0	3.1	3.2	3.2	3.3	2.9	2.8	3.2	3.2	3.1	2.9
174°	3.0	3.1	3.1	3.2	3.2	2.8	2.5	3.2	3.1	3.0	2.9
174.5°	3.0	3.0	3.1	3.1	3.2	2.7	2.3	3.1	3.0	2.9	2.9
175°	3.0	3.0	3.0	3.1	3.1	2.7	2.7	3.0	2.9	2.9	2.8
175.5°	3.0	3.0	3.0	3.0	3.1	2.7	3.0	2.9	2.9	2.8	2.8
176°	2.9	3.0	3.0	3.0	3.0	2.6	2.9	2.8	2.8	2.8	2.8
176.5°	2.9	2.9	2.9	2.9	2.9	2.6	2.8	2.8	2.8	2.8	2.8
177°	2.9	2.9	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8
177.5°	2.8	2.8	2.8	2.7	2.8	1.1	2.8	2.8	2.8	2.8	2.8
178°	2.8	2.8	2.8	2.8	2.8	1.6	2.8	2.8	2.8	2.8	2.8
178.5°	2.8	2.8	2.8	2.8	2.6	2.2	2.6	2.8	2.8	2.8	2.8



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

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: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1469.0	1469.0	1469.0	1469.0
0.5°	1468.7	1468.7	1468.6	1468.6
1°	1468.4	1468.4	1468.4	1468.5
1.5°	1468.1	1468.2	1468.2	1468.5
2°	1466.9	1467.5	1468.1	1468.2
2.5°	1465.6	1465.9	1467.2	1467.7
3°	1464.5	1465.4	1466.5	1466.6
3.5°	1463.9	1465.2	1465.5	1465.7
4°	1462.9	1464.4	1464.4	1465.0
4.5°	1460.8	1462.5	1462.8	1463.5
5°	1459.6	1460.7	1461.9	1462.5
5.5°	1458.6	1459.1	1460.5	1461.6
6°	1456.2	1458.1	1458.9	1460.4
6.5°	1454.0	1455.3	1457.2	1458.8
7°	1452.9	1453.3	1456.0	1457.4
7.5°	1450.2	1451.9	1452.8	1455.4
8°	1447.3	1449.3	1451.7	1453.8
8.5°	1444.4	1446.6	1449.6	1451.1
9°	1442.0	1444.0	1446.9	1449.5
9.5°	1439.2	1441.4	1444.2	1446.9
10°	1435.7	1438.0	1441.7	1444.0
10.5°	1432.8	1435.8	1438.3	1441.3
11°	1429.4	1433.2	1436.3	1438.3
11.5°	1425.9	1429.8	1433.5	1435.2
12°	1422.6	1426.3	1430.5	1432.2
12.5°	1418.5	1422.7	1426.9	1429.4
13°	1414.4	1418.8	1423.4	1426.0
13.5°	1410.5	1415.0	1420.0	1422.2
14°	1406.3	1411.2	1415.9	1418.6
14.5°	1401.9	1407.8	1411.9	1415.1
15°	1397.4	1403.1	1407.9	1411.0
15.5°	1392.5	1398.4	1403.7	1407.2
16°	1387.6	1394.0	1399.9	1402.7
16.5°	1382.6	1389.1	1395.8	1397.6
17°	1377.9	1384.3	1390.8	1393.0
17.5°	1372.7	1379.5	1385.3	1389.1
18°	1367.6	1374.8	1380.6	1384.8
18.5°	1362.3	1369.8	1375.8	1379.4
19°	1356.5	1364.4	1370.8	1374.3
19.5°	1350.0	1358.9	1365.5	1369.1
20°	1344.2	1353.2	1359.8	1364.0
20.5°	1338.6	1347.1	1354.5	1358.8
21°	1333.0	1341.1	1348.5	1353.6



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1312.9	1322.8	1331.2	1335.6
23°	1306.1	1316.4	1324.7	1330.2
23.5°	1299.3	1309.6	1318.1	1323.5
24°	1292.3	1303.1	1311.8	1317.2
24.5°	1285.0	1296.3	1305.4	1311.2
25°	1278.0	1289.1	1298.8	1304.7
25.5°	1270.1	1282.4	1291.6	1297.7
26°	1263.3	1275.1	1284.7	1290.9
26.5°	1255.5	1267.7	1277.6	1283.7
27°	1247.8	1260.3	1270.1	1276.6
27.5°	1239.6	1253.3	1262.8	1269.6
28°	1231.8	1245.0	1255.5	1261.9
28.5°	1223.5	1237.2	1247.9	1254.5
29°	1214.7	1229.1	1240.2	1247.6
29.5°	1207.1	1220.8	1232.2	1239.9
30°	1198.7	1213.2	1224.2	1231.7
30.5°	1189.8	1204.6	1216.3	1224.0
31°	1180.7	1196.5	1208.1	1216.2
31.5°	1172.4	1187.3	1199.7	1207.9
32°	1163.2	1178.8	1191.0	1199.0
32.5°	1154.3	1170.0	1182.5	1190.5
33°	1145.5	1161.6	1173.8	1182.4
33.5°	1136.6	1153.1	1165.0	1173.6
34°	1126.8	1143.8	1156.2	1164.5
34.5°	1117.6	1134.3	1146.9	1155.3
35°	1108.3	1125.4	1138.2	1146.7
35.5°	1098.5	1115.9	1128.9	1137.9
36°	1088.8	1106.6	1119.5	1128.6
36.5°	1079.1	1096.9	1110.9	1119.1
37°	1069.4	1087.1	1101.6	1109.9
37.5°	1059.8	1077.5	1092.3	1100.8
38°	1049.7	1067.9	1082.0	1091.8
38.5°	1038.7	1058.1	1071.8	1081.7
39°	1028.1	1048.0	1061.5	1071.1
39.5°	1017.9	1037.6	1051.5	1060.8
40°	1007.7	1027.5	1042.0	1050.8
40.5°	997.5	1017.4	1032.2	1041.4
41°	986.7	1006.9	1021.6	1031.3
41.5°	976.2	996.1	1011.5	1020.7
42°	965.1	985.7	1001.1	1010.7
42.5°	954.4	975.2	990.4	1000.6
43°	943.6	964.4	979.8	990.0
43.5°	932.8	953.5	969.4	978.9



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	899.7	921.5	937.2	946.8
45.5°	888.9	910.4	925.9	936.3
46°	877.6	899.4	915.0	925.0
46.5°	866.6	888.4	903.8	913.5
47°	855.8	877.3	892.9	902.3
47.5°	844.2	866.2	881.8	891.6
48°	833.2	854.4	870.3	880.8
48.5°	821.5	843.5	859.3	869.2
49°	810.3	832.3	848.2	858.4
49.5°	799.2	820.7	836.6	846.9
50°	787.5	809.2	825.1	835.5
50.5°	776.2	798.0	813.6	823.8
51°	765.2	786.3	802.4	812.5
51.5°	753.8	775.2	791.2	800.9
52°	742.0	763.5	779.1	789.7
52.5°	730.6	751.9	767.9	777.8
53°	719.0	740.4	756.0	766.2
53.5°	707.9	728.8	744.5	754.6
54°	696.4	717.2	732.9	743.0
54.5°	685.1	705.7	721.2	731.1
55°	673.9	694.2	709.5	719.1
55.5°	661.6	682.9	697.7	707.7
56°	650.2	670.5	685.7	695.6
56.5°	639.0	659.4	674.4	684.0
57°	627.7	647.6	662.6	672.6
57.5°	615.9	636.1	651.0	660.4
58°	604.5	623.9	638.8	648.3
58.5°	593.0	612.4	627.0	636.8
59°	582.1	600.6	615.3	624.7
59.5°	570.2	589.0	603.6	612.9
60°	558.8	577.2	591.8	600.7
60.5°	547.1	565.8	579.8	588.9
61°	536.1	554.2	567.8	577.0
61.5°	524.5	542.4	555.9	565.2
62°	513.2	530.8	544.1	553.2
62.5°	501.9	519.4	532.2	541.3
63°	490.8	507.6	520.4	529.3
63.5°	479.3	496.0	508.7	517.5
64°	467.8	484.4	496.7	505.4
64.5°	456.7	472.8	485.2	493.2
65°	445.8	461.1	473.4	481.1
65.5°	434.3	449.7	461.4	468.9
66°	423.6	438.5	449.6	456.6



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	390.3	404.0	414.6	421.1
68°	379.2	392.3	402.6	409.5
68.5°	368.1	381.1	390.7	397.5
69°	357.6	369.4	379.3	385.6
69.5°	346.7	358.1	367.5	373.8
70°	335.7	347.0	356.1	361.9
70.5°	324.9	335.8	344.4	350.1
71°	314.3	324.5	333.0	338.6
71.5°	303.6	313.3	321.3	326.8
72°	293.0	302.3	309.8	315.4
72.5°	282.4	291.4	298.2	303.8
73°	272.0	280.2	287.0	292.0
73.5°	261.9	269.5	275.7	280.2
74°	251.6	258.5	264.5	269.0
74.5°	241.1	247.7	253.3	257.7
75°	231.0	236.7	242.0	246.4
75.5°	221.1	226.3	230.8	234.8
76°	211.4	215.7	220.3	223.7
76.5°	201.4	205.4	209.1	212.7
77°	191.8	195.0	198.5	201.8
77.5°	182.0	185.0	187.8	190.7
78°	172.7	174.6	177.4	180.2
78.5°	163.5	164.9	166.6	169.3
79°	154.3	155.2	156.5	158.7
79.5°	145.4	145.7	146.7	148.4
80°	137.0	136.6	137.2	138.6
80.5°	128.6	127.6	127.7	128.4
81°	120.3	118.6	118.2	118.6
81.5°	111.9	109.6	108.6	108.9
82°	103.6	100.6	99.1	99.5
82.5°	95.7	92.3	90.1	89.9
83°	87.9	84.2	81.8	81.4
83.5°	80.6	76.2	73.3	72.8
84°	73.5	68.4	65.2	64.7
84.5°	66.9	61.3	57.4	56.6
85°	60.4	54.4	50.2	49.2
85.5°	54.4	47.8	43.2	42.8
86°	48.7	41.7	36.7	36.4
86.5°	43.3	36.0	30.6	30.0
87°	38.2	30.6	25.0	23.6
87.5°	33.6	25.8	21.1	18.1
88°	29.3	21.6	17.2	13.1
88.5°	25.5	18.8	13.2	8.8



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	16.3	10.2	3.8	2.8
90.5°	14.7	7.5	2.6	1.5
91°	13.1	6.1	1.8	0.3
91.5°	11.5	5.1	1.5	0.2
92°	9.9	4.5	1.3	0.2
92.5°	8.3	4.0	1.1	0.1
93°	7.6	3.7	1.0	0.1
93.5°	7.0	3.5	1.0	0.2
94°	6.6	3.2	0.9	0.2
94.5°	6.3	3.0	0.9	0.3
95°	6.0	2.9	0.9	0.3
95.5°	5.6	2.8	0.9	0.4
96°	5.3	2.8	0.9	0.4
96.5°	5.1	2.8	0.9	0.5
97°	4.9	2.8	0.8	0.5
97.5°	4.9	2.6	0.8	0.6
98°	4.8	2.5	0.8	0.6
98.5°	4.8	2.4	0.8	0.7
99°	4.8	2.4	0.8	0.8
99.5°	4.7	2.3	0.9	0.8
100°	4.6	2.3	0.9	0.9
100.5°	4.5	2.3	1.0	1.0
101°	4.3	2.3	1.1	1.1
101.5°	4.2	2.2	1.1	1.2
102°	4.0	2.2	1.2	1.3
102.5°	3.9	2.1	1.2	1.4
103°	3.8	2.1	1.3	1.4
103.5°	3.7	2.0	1.4	1.5
104°	3.6	1.9	1.4	1.5
104.5°	3.5	1.8	1.5	1.5
105°	3.4	1.8	1.5	1.6
105.5°	3.4	1.7	1.6	1.5
106°	3.3	1.7	1.7	1.5
106.5°	3.2	1.6	1.9	1.5
107°	3.1	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	1.9	1.6
109.5°	2.5	1.5	1.8	1.6
110°	2.4	1.5	1.8	1.6
110.5°	2.3	1.5	1.8	1.6
111°	2.2	1.6	1.8	1.6



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	2.1	1.7	1.8	1.6
113°	2.1	1.7	1.9	1.6
113.5°	2.0	1.7	1.9	1.7
114°	1.9	1.8	1.9	1.7
114.5°	1.9	1.8	1.9	1.7
115°	1.8	1.9	1.9	1.7
115.5°	1.8	1.9	1.9	1.7
116°	1.8	1.9	2.0	1.7
116.5°	1.8	2.0	2.0	1.7
117°	1.9	2.1	2.0	1.7
117.5°	1.9	2.2	2.0	1.7
118°	2.0	2.3	2.0	1.7
118.5°	2.0	2.4	2.0	1.8
119°	2.1	2.5	2.0	1.8
119.5°	2.1	2.5	2.0	1.8
120°	2.1	2.4	2.1	1.8
120.5°	2.2	2.4	2.1	1.8
121°	2.2	2.4	2.1	1.9
121.5°	2.2	2.4	2.1	1.9
122°	2.2	2.4	2.1	1.9
122.5°	2.2	2.4	2.1	1.9
123°	2.3	2.3	2.1	1.9
123.5°	2.3	2.3	2.2	1.9
124°	2.3	2.2	2.2	2.0
124.5°	2.4	2.2	2.2	2.0
125°	2.5	2.3	2.2	2.0
125.5°	2.6	2.4	2.3	2.0
126°	2.7	2.5	2.3	2.0
126.5°	2.8	2.6	2.3	2.0
127°	2.9	2.6	2.3	2.1
127.5°	3.0	2.6	2.3	2.1
128°	3.1	2.6	2.4	2.1
128.5°	3.1	2.7	2.4	2.1
129°	3.1	2.7	2.4	2.2
129.5°	3.0	2.7	2.4	2.2
130°	3.0	2.7	2.5	2.2
130.5°	3.0	2.6	2.4	2.2
131°	2.9	2.6	2.2	2.2
131.5°	2.9	2.6	2.2	2.2
132°	2.8	2.6	2.2	2.2
132.5°	2.8	2.6	2.3	2.2
133°	2.7	2.6	2.5	2.2
133.5°	2.7	2.6	2.5	2.2



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	2.7	2.6	2.4	2.3
135.5°	2.7	2.6	2.4	2.3
136°	2.7	2.6	2.4	2.2
136.5°	2.8	2.6	2.5	2.2
137°	2.8	2.6	2.4	2.2
137.5°	2.8	2.5	2.4	2.3
138°	2.8	2.6	2.3	2.3
138.5°	2.8	2.6	2.3	2.3
139°	2.8	2.6	2.3	2.3
139.5°	2.8	2.7	2.4	2.3
140°	2.8	2.7	2.4	2.3
140.5°	2.8	2.7	2.5	2.3
141°	2.8	2.7	2.5	2.3
141.5°	2.8	2.7	2.5	2.3
142°	2.8	2.7	2.5	2.3
142.5°	2.8	2.7	2.4	2.3
143°	2.8	2.8	2.4	2.3
143.5°	2.8	2.8	2.4	2.3
144°	2.8	2.8	2.4	2.3
144.5°	2.8	2.8	2.4	2.3
145°	2.8	2.8	2.4	2.3
145.5°	2.8	2.8	2.4	2.3
146°	2.9	2.8	2.4	2.3
146.5°	2.9	2.8	2.4	2.3
147°	2.9	2.8	2.4	2.3
147.5°	2.9	2.9	2.4	2.3
148°	2.9	2.9	2.4	2.3
148.5°	2.9	2.9	2.4	2.3
149°	2.9	2.9	2.4	2.3
149.5°	2.9	2.9	2.5	2.2
150°	3.0	2.9	2.4	2.3
150.5°	3.0	2.9	2.4	2.3
151°	3.0	2.9	2.3	2.2
151.5°	3.0	2.9	2.3	2.1
152°	3.0	2.9	2.4	2.0
152.5°	3.0	2.8	2.4	2.1
153°	3.0	2.8	2.3	2.0
153.5°	3.0	2.8	2.2	1.9
154°	3.0	2.7	2.1	1.7
154.5°	3.1	2.7	2.0	1.7
155°	3.1	2.7	2.0	1.7
155.5°	3.1	2.5	1.9	1.7
156°	3.1	2.5	1.8	1.6



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

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	2.4	1.7	1.5
159°	3.1	2.4	1.7	1.5
159.5°	3.1	2.3	1.7	1.5
160°	3.2	2.3	1.6	1.6
160.5°	3.2	2.3	1.6	1.6
161°	3.2	2.3	1.6	1.6
161.5°	3.2	2.3	1.6	1.6
162°	3.2	2.3	1.6	1.6
162.5°	3.2	2.3	1.6	1.6
163°	3.1	2.1	1.6	1.6
163.5°	3.2	2.0	1.6	1.6
164°	3.2	2.0	1.6	1.6
164.5°	2.9	2.0	1.6	1.6
165°	2.7	2.0	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	1.7
167°	2.4	1.7	1.6	1.7
167.5°	2.8	1.9	1.6	1.7
168°	3.0	2.2	1.7	1.7
168.5°	2.8	2.2	1.7	1.7
169°	2.8	2.2	1.8	1.7
169.5°	2.8	2.3	1.8	1.8
170°	2.7	2.3	2.1	1.8
170.5°	2.7	2.3	2.2	2.0
171°	2.9	2.6	2.2	2.3
171.5°	2.9	2.7	2.4	2.3
172°	2.9	2.7	2.6	2.4
172.5°	2.9	2.7	2.6	2.5
173°	2.9	2.7	2.6	2.5
173.5°	2.8	2.7	2.6	2.5
174°	2.8	2.8	2.7	2.6
174.5°	2.8	2.8	2.7	2.6
175°	2.8	2.8	2.7	2.7
175.5°	2.8	2.8	2.7	2.7
176°	2.8	2.7	2.7	2.7
176.5°	2.8	2.7	2.7	2.7
177°	2.8	2.7	2.7	2.7
177.5°	2.8	2.7	2.7	2.7
178°	2.8	2.7	2.7	2.8
178.5°	2.8	2.8	2.8	2.8



TEST NUMBER: P563534

CATALOG NUMBER: 4NWS35C3R-3000K

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°	1347.9	1351.1	1350.8	1348.4	1343.4	1337.6	1331.4	1326.2	1321.8	1319.6	1318.7
22°	1341.5	1345.0	1345.0	1342.1	1337.3	1331.2	1324.3	1319.0	1315.0	1312.0	1311.4



44°	968.3	971.9	967.4	957.1	940.5	920.1	899.4	881.6	868.5	862.0	862.9
44.5°	957.6	960.6	956.8	946.0	929.4	908.6	888.2	870.2	857.1	850.8	850.7



66.5°	444.7	448.9	447.8	441.5	431.4	417.4	404.6	393.2	385.0	380.1	378.9
67°	432.8	436.6	436.2	430.5	420.4	407.3	395.0	383.8	375.5	371.0	370.1



89°	5.5	10.7	20.4	31.5	42.0	49.2	55.0	58.4	59.7	59.2	57.0
89.5°	4.1	7.5	16.8	27.5	37.8	45.6	51.4	54.3	55.7	55.3	53.1



111.5°	1.6	1.6	1.3	1.2	1.6	2.4	3.5	4.6	5.3	5.5	5.3
112°	1.6	1.6	1.4	1.2	1.5	2.3	3.3	4.4	5.1	5.3	5.1



134°	2.3	2.3	2.3	2.8	2.8	2.5	2.5	2.5	2.6	2.6	2.8
134.5°	2.3	2.3	2.3	2.8	2.9	2.5	2.5	2.6	2.6	2.7	2.8



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



179°	2.7	2.7	2.5	2.4	2.2	2.1	2.2	2.4	2.6	2.8	2.7
179.5°	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.6	2.6





21.5°	1320.0	1323.4	1326.5	1330.5	1334.1	1335.8	1335.8	1334.1	1330.0	1323.8	1315.9
22°	1312.7	1315.9	1319.9	1324.2	1328.2	1329.5	1329.8	1328.1	1323.5	1317.2	1309.0



44°	869.2	882.2	898.9	914.6	928.6	938.7	942.6	940.9	934.1	921.5	903.1
44.5°	858.1	871.2	887.5	903.0	917.4	927.6	931.0	930.3	923.5	910.4	891.7



66.5°	381.6	387.4	395.4	403.5	410.5	415.3	414.2	413.4	408.3	401.1	390.5
67°	372.6	377.8	385.3	392.8	399.1	402.9	402.7	401.6	396.7	389.6	379.6



89°	53.2	47.8	41.0	31.3	21.0	11.2	4.5	0.7	3.7	10.4	17.1
89.5°	49.7	44.4	37.2	27.9	18.0	9.0	3.5	0.6	2.7	7.8	15.5



111.5°	4.6	3.7	2.7	2.0	2.0	2.5	3.0	2.8	3.2	2.4	2.7
112°	4.4	3.5	2.6	2.0	2.1	2.6	3.0	2.8	3.2	2.4	2.7



134°	2.9	3.3	3.9	4.7	4.8	3.8	3.3	3.1	3.9	4.1	3.7
134.5°	3.0	3.4	3.9	4.8	4.7	3.8	3.3	3.1	3.9	4.1	3.7



156.5°	3.5	3.3	3.2	3.3	3.3	3.1	3.0	2.6	2.7	3.1	3.4
157°	3.4	3.2	3.2	3.3	3.2	3.1	2.8	2.6	2.7	3.1	3.4



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





21.5°	1307.3	1298.1	1290.5	1284.2	1281.1	1280.4	1282.2	1287.8	1295.8	1306.0	1316.4
22°	1300.4	1290.4	1282.3	1276.8	1273.4	1271.9	1274.5	1279.5	1288.0	1298.4	1309.3



44°	882.5	859.8	839.7	823.6	813.8	811.2	816.3	829.1	848.5	872.0	898.1
44.5°	871.6	848.1	828.2	812.3	802.1	799.4	804.8	817.8	837.2	860.9	886.4



66.5°	378.8	366.7	356.3	348.5	344.0	343.6	347.0	354.6	365.8	380.1	396.0
67°	368.1	356.6	346.9	339.6	335.3	334.9	337.8	345.6	356.2	369.9	385.5



89°	24.9	32.0	37.6	41.6	44.2	45.3	45.2	43.5	40.5	35.7	29.4
89.5°	22.2	29.1	34.6	38.6	41.2	42.3	42.0	40.4	37.2	32.4	26.2



111.5°	4.3	6.2	7.6	8.5	9.1	9.4	9.1	8.3	7.0	5.5	3.8
112°	4.2	6.0	7.4	8.3	8.9	9.2	8.9	8.1	6.8	5.4	3.7



134°	3.5	3.0	2.7	2.5	2.4	2.3	2.3	2.4	2.5	2.7	3.0
134.5°	3.6	3.1	2.7	2.5	2.4	2.3	2.4	2.4	2.5	2.7	3.1



156.5°	3.7	3.7	3.4	3.4	3.3	3.4	3.4	3.3	3.2	3.1	3.1
157°	3.8	3.7	3.5	3.4	3.3	3.4	3.4	3.3	3.3	3.2	3.1



179°	2.7	2.6	2.5	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.8
179.5°	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.6	2.7	2.7	2.7





21.5°	1326.3	1335.5	1342.6	1347.9
22°	1319.3	1329.7	1337.3	1341.5



44°	922.0	943.2	958.3	968.3
44.5°	911.6	932.0	947.8	957.6



66.5°	412.2	426.9	437.9	444.7
67°	401.1	415.4	426.4	432.8



89°	22.1	15.9	9.3	5.5
89.5°	19.0	13.0	5.5	4.1



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



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



156.5°	3.1	2.4	1.7	1.5
157°	3.1	2.4	1.7	1.5



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



(END OF REPORT)