

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: P563536

Luminaire Tested: **4NWS35C3R-4000K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563536
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-4000K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K
Light Source: -
Ballast/Driver:

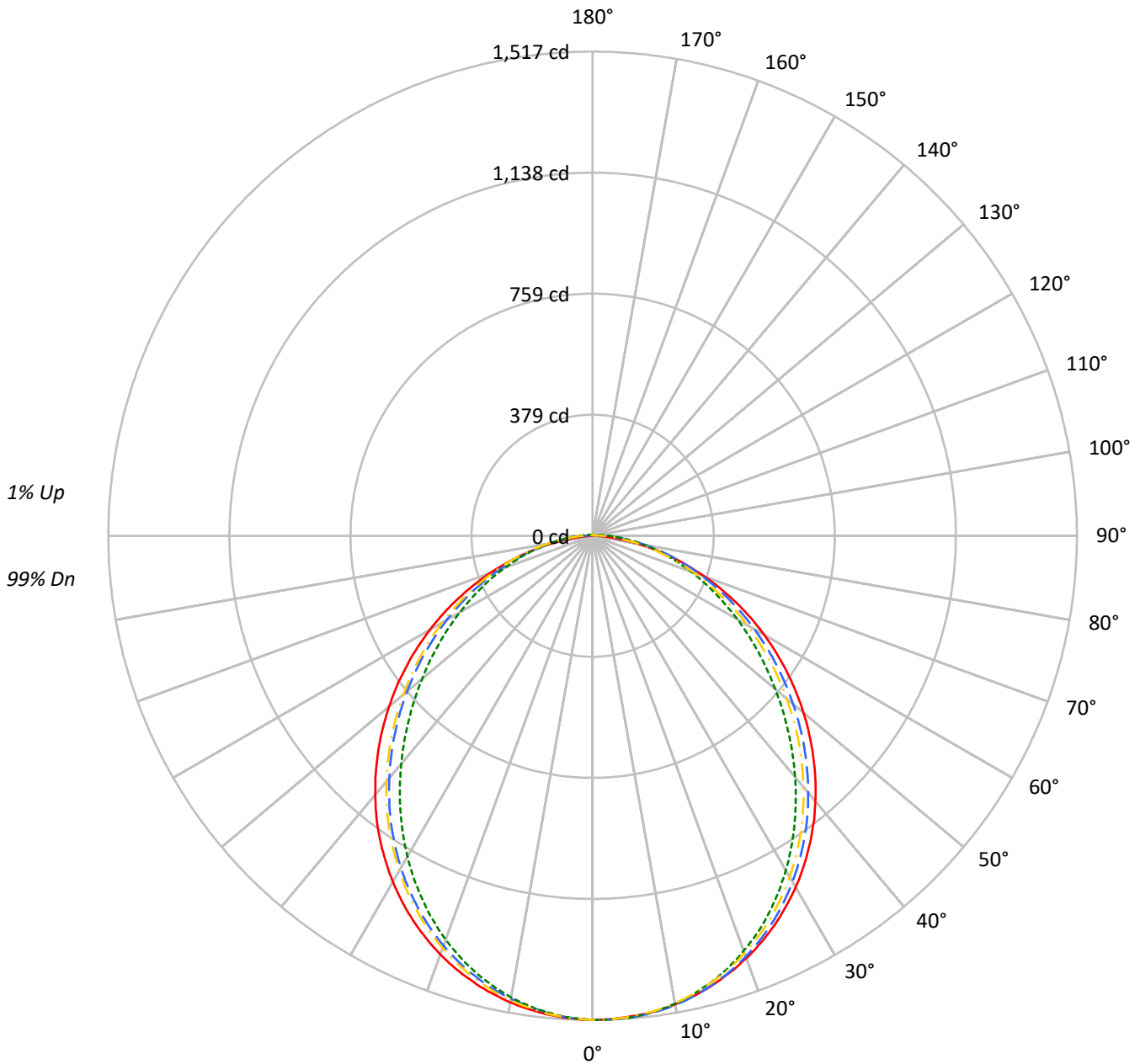
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3954.0 lumens
Efficiency: N/A
Efficacy: 111.4 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): 35.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99				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°	9218	9218	9218	9218
5°	9196	9080	9180	9013
10°	9167	8898	9128	8776
15°	9116	8664	9054	8486
20°	9041	8379	8960	8153
25°	8947	8050	8835	7768
30°	8819	7665	8680	7347
35°	8659	7233	8492	6884
40°	8460	6764	8263	6396
45°	8231	6272	7995	5890
50°	7960	5772	7680	5390
55°	7641	5291	7316	4899
60°	7278	4813	6896	4418
65°	6840	4327	6389	3929
70°	6283	3840	5742	3424
75°	5543	3333	4867	2882
80°	4482	2787	3646	2314
85°	2864	2226	1843	1769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.1	3.6
10°-20°	406.3	10.3
20°-30°	603.3	15.3
30°-40°	703.3	17.8
40°-50°	696.2	17.6
50°-60°	597.9	15.1
60°-70°	437.6	11.1
70°-80°	248.4	6.3
80°-90°	82.8	2.1
90°-100°	15.0	0.4
100°-110°	6.3	0.2
110°-120°	3.8	0.1
120°-130°	2.7	0.1
130°-140°	2.4	0.1
140°-150°	2.2	0.1
150°-160°	1.5	0.0
160°-170°	0.9	0.0
170°-180°	0.3	0.0
0°-30°	1152.7	29.2
0°-40°	1856.0	46.9
0°-60°	3150.2	79.7
0°-90°	3918.9	99.1
90°-120°	25.1	0.6
90°-150°	32.4	0.8
90°-180°	35.0	0.9
0°-180°	3954.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1516	1516	1516	1516	1516	
5°	1510	1512	1507	1501	1510	144
15°	1457	1446	1447	1416	1457	411
25°	1347	1305	1330	1260	1347	620
35°	1184	1103	1161	1050	1184	740
45°	977	866	949	814	977	754
55°	742	633	711	586	742	664
65°	497	422	464	383	497	491
75°	254	241	223	209	254	269
85°	51	100	33	80	51	61
90°	3	53	1	41	3	3
95°	0	26	1	21	0	0
105°	2	10	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	2
155°	2	4	3	4	2	1
165°	2	3	2	4	2	0
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5
0.5°	1516.2	1516.2	1516.3	1516.5	1516.6	1516.7	1516.8	1516.9	1516.9	1516.9	1516.9
1°	1516.0	1516.2	1516.5	1516.7	1516.9	1517.0	1517.1	1517.0	1516.5	1516.0	1516.4
1.5°	1516.0	1516.6	1516.7	1516.2	1516.0	1516.1	1516.7	1517.1	1516.6	1517.3	1517.4
2°	1515.8	1516.2	1516.2	1516.2	1516.5	1517.0	1517.3	1517.3	1516.5	1516.6	1516.9
2.5°	1515.2	1515.6	1515.6	1515.8	1515.8	1515.3	1515.5	1515.4	1516.9	1516.0	1515.4
3°	1514.1	1514.4	1515.1	1515.4	1515.8	1515.9	1516.2	1516.5	1516.0	1515.8	1515.8
3.5°	1513.1	1513.9	1514.5	1515.7	1515.2	1515.5	1515.6	1515.1	1515.6	1514.6	1514.2
4°	1512.5	1513.8	1513.4	1514.8	1514.4	1514.7	1514.6	1514.3	1513.6	1515.2	1513.8
4.5°	1510.8	1512.1	1512.5	1513.4	1514.2	1514.0	1513.4	1514.1	1513.5	1513.6	1512.2
5°	1509.9	1511.1	1511.5	1512.1	1513.0	1512.9	1511.6	1512.1	1512.5	1512.5	1511.2
5.5°	1508.9	1510.0	1510.6	1510.9	1511.4	1510.9	1510.4	1510.4	1511.1	1510.7	1509.3
6°	1507.7	1508.7	1509.0	1509.7	1510.5	1509.7	1509.4	1509.0	1509.1	1508.7	1507.2
6.5°	1506.1	1507.3	1507.6	1508.0	1508.9	1508.2	1508.4	1507.3	1507.4	1507.2	1505.6
7°	1504.6	1505.3	1506.5	1506.2	1506.2	1505.4	1506.7	1505.3	1505.1	1505.0	1503.8
7.5°	1502.5	1503.3	1504.3	1505.2	1505.0	1504.3	1503.9	1503.3	1502.7	1501.6	1501.6
8°	1500.9	1500.9	1502.6	1502.9	1502.8	1502.2	1501.6	1501.2	1500.6	1499.9	1499.4
8.5°	1498.1	1498.4	1500.6	1500.3	1500.6	1500.2	1499.3	1498.7	1497.8	1497.2	1496.1
9°	1496.5	1497.8	1498.0	1498.5	1498.6	1498.0	1496.4	1496.1	1495.0	1495.4	1493.2
9.5°	1493.7	1495.0	1496.1	1495.8	1496.1	1494.8	1493.0	1493.0	1492.3	1490.8	1490.3
10°	1490.7	1492.4	1493.3	1493.4	1493.1	1492.1	1490.4	1489.4	1488.9	1489.2	1487.7
10.5°	1488.0	1489.4	1490.8	1490.9	1490.3	1489.1	1487.2	1486.1	1485.5	1485.3	1484.0
11°	1484.8	1485.8	1487.6	1487.7	1487.1	1486.4	1483.4	1483.0	1482.7	1481.7	1480.5
11.5°	1481.6	1483.6	1484.4	1484.8	1483.5	1483.0	1480.1	1479.8	1478.8	1478.0	1476.7
12°	1478.5	1480.4	1481.7	1481.8	1480.4	1479.2	1477.1	1475.9	1473.8	1474.2	1472.1
12.5°	1475.6	1477.1	1478.4	1478.5	1476.5	1475.7	1473.4	1471.9	1470.1	1469.7	1468.5
13°	1472.1	1474.1	1475.1	1474.6	1472.4	1472.1	1469.2	1467.9	1466.3	1464.7	1464.2
13.5°	1468.2	1470.6	1471.6	1471.2	1468.9	1468.0	1464.3	1463.2	1461.7	1460.0	1458.7
14°	1464.6	1466.7	1467.7	1467.8	1464.9	1463.2	1460.5	1458.6	1457.0	1455.1	1454.4
14.5°	1460.9	1462.9	1463.8	1463.8	1460.4	1459.2	1456.6	1453.8	1451.4	1450.9	1448.9
15°	1456.6	1459.1	1459.7	1459.3	1456.7	1454.9	1451.5	1449.0	1446.8	1446.0	1444.8
15.5°	1452.8	1455.1	1455.1	1454.5	1452.6	1450.4	1446.0	1444.4	1441.5	1440.8	1439.0
16°	1448.1	1450.9	1451.3	1450.3	1447.6	1445.2	1441.3	1438.9	1436.6	1434.8	1433.2
16.5°	1442.9	1446.5	1447.2	1446.0	1442.8	1440.1	1435.9	1433.2	1430.9	1428.6	1428.1
17°	1438.1	1442.0	1442.1	1441.5	1438.5	1435.1	1430.8	1427.4	1424.8	1423.6	1422.8
17.5°	1434.1	1437.0	1437.4	1436.3	1433.3	1429.5	1424.4	1421.7	1418.4	1417.8	1416.1
18°	1429.6	1431.9	1432.7	1431.2	1427.8	1424.2	1419.2	1415.8	1412.5	1410.8	1410.1
18.5°	1424.1	1427.7	1428.0	1426.4	1422.6	1418.7	1413.2	1409.4	1406.8	1404.5	1403.7
19°	1418.8	1422.7	1423.1	1420.8	1417.3	1412.7	1407.6	1403.1	1399.9	1397.8	1397.5
19.5°	1413.5	1417.0	1417.2	1415.3	1411.3	1406.4	1400.9	1396.9	1392.9	1391.9	1389.6
20°	1408.2	1411.4	1411.4	1409.7	1405.5	1400.2	1394.1	1389.9	1386.4	1383.8	1383.2
20.5°	1402.8	1406.2	1406.0	1403.9	1399.7	1394.3	1387.6	1382.8	1379.6	1377.0	1375.8
21°	1397.4	1400.7	1400.4	1397.9	1393.0	1387.7	1381.3	1375.9	1372.6	1369.4	1368.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1378.8	1382.3	1382.6	1379.2	1374.1	1367.5	1360.1	1354.1	1349.7	1347.2	1345.6
23°	1373.3	1376.3	1375.9	1372.8	1367.4	1360.7	1352.9	1346.5	1341.7	1340.0	1338.1
23.5°	1366.4	1370.0	1369.6	1366.2	1360.7	1353.2	1345.6	1338.4	1333.6	1331.1	1329.8
24°	1359.8	1363.6	1363.4	1359.3	1353.4	1346.0	1337.3	1330.4	1325.4	1322.9	1321.8
24.5°	1353.6	1356.9	1356.4	1352.6	1345.9	1338.4	1330.5	1322.8	1317.1	1314.3	1312.9
25°	1346.9	1350.5	1349.4	1345.6	1339.0	1330.6	1322.3	1314.5	1308.5	1305.2	1304.5
25.5°	1339.7	1343.3	1342.5	1338.3	1332.2	1322.9	1313.9	1305.9	1300.2	1296.9	1295.5
26°	1332.7	1335.6	1335.3	1330.4	1324.5	1314.7	1305.3	1296.9	1290.7	1287.1	1286.9
26.5°	1325.3	1328.8	1327.3	1323.6	1316.0	1306.6	1296.6	1288.4	1282.0	1278.7	1277.3
27°	1318.0	1322.0	1320.1	1315.4	1308.0	1298.5	1288.2	1279.5	1272.9	1268.8	1268.7
27.5°	1310.7	1314.5	1313.1	1307.4	1300.0	1289.7	1280.3	1270.3	1262.9	1260.1	1259.2
28°	1302.8	1306.9	1305.6	1299.9	1291.9	1281.3	1270.3	1261.4	1253.9	1250.3	1249.1
28.5°	1295.1	1299.1	1297.8	1292.2	1284.0	1273.0	1261.5	1252.2	1243.8	1239.6	1239.2
29°	1288.0	1291.5	1289.9	1283.9	1275.0	1264.0	1252.7	1242.5	1235.2	1230.8	1229.7
29.5°	1280.0	1283.7	1281.6	1276.1	1266.5	1255.1	1243.8	1232.8	1224.2	1220.6	1220.6
30°	1271.6	1274.9	1273.5	1267.0	1257.9	1245.9	1233.8	1223.1	1214.6	1210.2	1210.5
30.5°	1263.6	1266.8	1265.2	1259.2	1249.1	1236.4	1224.3	1213.3	1203.6	1200.2	1199.6
31°	1255.5	1259.1	1256.6	1250.7	1240.6	1227.5	1214.2	1203.1	1194.4	1190.1	1189.0
31.5°	1247.0	1250.8	1248.3	1241.4	1231.6	1218.4	1204.4	1192.6	1183.9	1179.3	1178.2
32°	1237.8	1241.5	1239.3	1232.2	1221.9	1208.3	1194.7	1182.7	1173.4	1168.4	1168.0
32.5°	1229.1	1232.7	1230.5	1222.9	1212.4	1198.5	1184.8	1172.6	1163.6	1157.7	1157.5
33°	1220.7	1224.2	1221.5	1214.5	1203.0	1189.1	1174.9	1161.9	1152.6	1147.2	1147.0
33.5°	1211.6	1215.1	1212.6	1205.4	1193.9	1179.3	1164.7	1151.6	1141.4	1136.1	1135.8
34°	1202.2	1206.4	1203.4	1195.7	1184.3	1168.9	1153.8	1140.6	1130.5	1124.9	1124.8
34.5°	1192.7	1197.0	1194.2	1186.3	1174.7	1158.8	1143.2	1129.2	1119.2	1114.1	1113.4
35°	1183.9	1187.8	1185.1	1176.9	1164.4	1148.6	1132.9	1118.4	1107.7	1102.7	1102.6
35.5°	1174.7	1178.2	1176.0	1167.4	1154.3	1138.1	1122.1	1107.6	1096.6	1091.6	1091.3
36°	1165.2	1169.3	1165.7	1157.7	1144.5	1127.7	1111.4	1096.6	1085.1	1080.3	1079.8
36.5°	1155.3	1159.1	1156.1	1147.3	1134.7	1117.5	1100.6	1085.2	1073.9	1068.2	1068.8
37°	1145.8	1149.2	1146.3	1137.6	1124.2	1107.1	1089.9	1074.3	1061.9	1056.8	1057.2
37.5°	1136.5	1139.3	1136.4	1127.7	1113.7	1096.3	1078.6	1062.9	1050.9	1045.2	1045.4
38°	1127.2	1129.4	1126.8	1117.1	1103.3	1085.3	1067.3	1051.4	1039.6	1033.4	1033.2
38.5°	1116.7	1119.5	1115.9	1106.9	1092.5	1074.5	1056.1	1039.8	1028.0	1022.4	1021.9
39°	1105.8	1109.4	1105.9	1096.4	1081.9	1063.7	1045.1	1028.3	1016.6	1010.2	1009.7
39.5°	1095.2	1099.6	1095.7	1086.1	1071.0	1052.2	1033.9	1016.8	1004.2	998.7	998.6
40°	1084.8	1089.0	1085.6	1075.0	1060.3	1040.9	1021.9	1005.3	992.5	986.6	986.7
40.5°	1075.1	1078.4	1075.1	1064.8	1049.3	1029.9	1010.5	993.4	980.4	974.7	974.2
41°	1064.7	1067.8	1064.5	1053.9	1038.3	1018.4	999.0	981.8	968.7	962.9	962.2
41.5°	1053.8	1057.0	1053.4	1043.4	1027.3	1007.3	987.1	969.7	956.1	950.5	950.4
42°	1043.4	1046.9	1043.0	1032.0	1016.5	996.2	976.2	958.1	944.8	939.2	938.3
42.5°	1033.0	1036.2	1032.0	1021.6	1004.6	984.5	964.4	946.4	932.9	926.8	926.3
43°	1022.0	1025.2	1021.2	1009.8	993.4	972.9	952.6	934.3	920.8	915.0	914.5
43.5°	1010.6	1014.4	1010.0	999.3	982.7	961.5	940.7	922.4	908.7	902.6	902.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	977.4	980.9	976.5	965.0	948.4	926.5	905.4	886.5	872.6	866.4	866.2
45.5°	966.6	969.7	965.2	953.5	936.3	914.8	893.6	874.5	861.0	854.1	854.2
46°	955.0	958.5	954.1	942.2	924.7	902.9	881.3	862.6	849.4	841.7	842.5
46.5°	943.1	946.7	942.4	930.6	913.0	891.0	869.2	850.7	836.6	830.4	830.6
47°	931.6	935.6	931.6	919.1	901.6	879.2	857.4	838.5	824.5	818.5	818.2
47.5°	920.5	923.9	919.8	908.1	890.2	867.5	845.9	826.2	812.7	806.5	806.1
48°	909.3	912.5	908.1	896.6	878.7	855.6	834.0	814.5	801.1	794.1	794.7
48.5°	897.4	900.4	896.1	884.6	866.7	843.9	822.4	802.7	788.7	782.6	782.8
49°	886.2	889.7	884.4	872.3	854.9	832.1	810.2	791.0	777.2	770.5	770.5
49.5°	874.4	877.5	873.6	861.1	842.8	820.2	798.6	779.1	765.1	758.7	759.0
50°	862.6	866.2	861.4	849.5	830.8	808.2	786.9	767.2	753.9	746.7	747.0
50.5°	850.5	854.2	849.7	838.0	819.3	796.5	774.9	755.3	741.4	735.1	734.9
51°	838.8	842.4	837.5	825.4	807.6	784.6	763.1	743.9	730.5	723.3	723.0
51.5°	826.8	830.5	825.7	814.0	795.8	772.8	751.0	732.0	718.2	712.5	711.9
52°	815.2	818.8	814.3	802.0	783.7	761.3	739.6	720.7	707.0	700.2	700.4
52.5°	802.9	806.5	801.6	790.0	771.7	749.1	727.8	709.0	695.8	689.1	689.0
53°	791.0	794.7	790.1	777.9	759.8	737.3	716.0	697.5	684.4	677.3	677.0
53.5°	779.0	782.4	777.8	766.1	747.8	725.6	704.4	686.0	672.1	666.4	665.6
54°	767.0	770.2	766.0	754.4	736.1	713.7	692.9	674.4	661.2	654.6	654.8
54.5°	754.8	758.4	753.7	742.2	724.6	701.8	680.9	662.8	649.6	643.4	643.3
55°	742.4	746.4	742.0	730.3	712.2	689.9	669.3	651.4	638.7	633.0	631.7
55.5°	730.6	734.1	729.6	718.5	700.8	678.6	657.8	639.7	627.1	621.4	620.4
56°	718.1	721.8	717.8	706.4	689.0	667.4	646.8	628.5	616.2	610.0	609.6
56.5°	706.1	709.9	705.7	694.5	677.3	655.5	635.1	617.5	605.2	599.1	598.7
57°	694.4	697.5	693.4	682.3	665.0	643.9	623.6	606.3	593.8	588.3	587.7
57.5°	681.7	685.8	680.8	670.6	653.6	632.5	612.4	595.0	583.2	577.3	576.6
58°	669.3	673.1	669.5	658.0	641.1	621.0	601.3	584.3	572.3	566.1	566.2
58.5°	657.4	661.0	656.9	646.5	629.7	609.2	589.8	573.1	561.5	555.6	555.2
59°	644.9	649.1	644.8	634.5	618.0	597.8	578.6	561.9	551.1	545.4	544.5
59.5°	632.7	636.3	632.6	622.6	606.4	586.4	567.6	551.6	540.4	535.2	533.4
60°	620.2	624.1	620.8	610.5	594.4	575.0	556.4	541.0	529.9	524.5	522.8
60.5°	608.0	611.5	608.4	598.6	583.4	563.8	545.9	530.6	519.3	513.8	512.3
61°	595.7	599.1	596.2	586.8	571.9	552.8	532.1	519.7	508.6	503.0	501.8
61.5°	583.5	587.5	583.7	574.2	559.8	541.3	521.0	508.8	497.9	492.3	491.3
62°	571.1	575.2	572.2	562.8	547.7	529.7	510.8	498.1	487.2	481.6	480.8
62.5°	558.8	562.5	560.1	551.2	536.6	518.6	500.6	487.3	476.5	471.1	470.3
63°	546.5	550.4	547.7	539.3	525.0	507.5	490.4	476.6	466.5	461.2	460.4
63.5°	534.3	537.8	535.6	526.9	513.4	496.4	480.3	466.3	456.4	451.3	450.5
64°	521.8	525.4	523.0	516.3	501.7	485.2	469.4	456.2	446.5	441.4	440.4
64.5°	509.2	513.0	510.8	512.4	490.5	474.2	459.1	445.9	436.5	431.3	430.2
65°	496.7	500.5	498.7	498.2	479.8	463.1	448.8	435.8	426.5	421.8	420.5
65.5°	484.0	488.0	486.6	484.0	468.3	452.1	438.1	425.7	416.8	411.8	410.6
66°	471.4	475.6	474.4	469.9	456.7	441.5	427.8	415.7	407.1	402.1	401.2



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	434.8	438.7	438.2	432.7	422.9	409.8	397.3	386.7	378.3	373.6	372.4
68°	422.7	426.6	426.1	421.2	411.8	399.3	387.1	376.8	369.1	364.4	363.1
68.5°	410.3	414.4	414.5	409.3	400.6	388.6	377.3	367.1	359.8	355.4	353.3
69°	398.0	402.3	402.6	398.5	389.7	378.1	367.4	357.7	350.0	346.0	344.4
69.5°	385.9	390.6	390.7	387.0	379.1	367.8	357.5	348.1	340.8	336.6	335.2
70°	373.7	378.3	378.9	375.7	368.2	357.7	347.8	338.5	331.7	327.4	325.9
70.5°	361.5	366.1	367.2	364.2	357.8	347.7	338.2	329.4	322.8	318.6	316.8
71°	349.5	353.8	355.5	353.1	346.8	337.5	328.5	320.2	313.9	309.8	308.1
71.5°	337.4	342.1	343.5	341.7	336.2	327.4	319.0	311.2	304.7	300.9	299.3
72°	325.6	330.2	332.1	330.4	325.6	317.4	309.3	302.0	295.8	291.9	290.3
72.5°	313.7	318.1	320.7	319.4	314.8	307.3	300.1	292.7	287.0	283.6	281.6
73°	301.5	306.4	309.4	308.7	304.7	297.4	290.6	283.8	278.4	274.8	272.7
73.5°	289.3	294.7	297.7	297.7	294.2	288.2	281.3	275.0	269.7	266.2	264.3
74°	277.7	282.6	286.3	287.0	284.0	278.3	272.3	266.1	261.4	257.7	255.8
74.5°	266.0	271.3	275.0	275.9	273.8	268.5	263.3	257.5	252.9	249.5	247.8
75°	254.3	259.6	263.8	265.2	263.7	259.1	254.2	249.0	244.5	241.2	239.2
75.5°	242.5	248.3	252.5	254.5	253.7	249.6	245.3	240.4	236.1	233.1	231.0
76°	231.0	236.6	241.5	244.2	243.5	240.1	236.5	232.0	228.0	225.0	222.7
76.5°	219.6	225.5	230.5	233.6	233.8	231.1	227.6	223.6	220.0	217.1	214.8
77°	208.3	214.0	219.7	223.2	224.2	222.0	219.1	215.2	211.9	208.9	206.7
77.5°	196.9	203.0	209.0	212.9	214.5	213.1	210.5	207.2	203.8	201.3	199.0
78°	186.0	192.0	198.2	203.1	204.9	204.2	202.2	199.2	196.4	193.7	191.4
78.5°	174.8	181.3	187.6	193.0	195.6	195.3	193.7	191.3	188.8	186.1	183.8
79°	163.9	170.5	177.5	183.2	186.2	186.5	185.6	183.4	181.1	178.6	176.3
79.5°	153.2	159.6	167.1	173.4	177.1	178.0	177.7	175.8	173.7	171.4	169.0
80°	143.1	149.3	156.9	163.9	168.2	169.7	169.6	168.2	166.4	164.3	161.8
80.5°	132.6	139.1	147.2	154.5	159.3	161.4	161.8	160.8	159.3	157.0	154.7
81°	122.4	129.2	137.5	145.2	150.6	153.3	154.4	153.6	152.3	150.1	147.8
81.5°	112.5	119.2	128.0	136.0	142.2	145.2	146.9	146.6	145.5	143.6	141.1
82°	102.8	109.5	118.5	127.2	133.8	137.6	139.5	139.7	138.8	136.8	134.4
82.5°	92.8	100.1	109.6	118.6	125.6	130.1	132.3	132.8	132.1	130.2	127.8
83°	84.0	91.1	100.6	110.2	117.6	122.7	125.4	126.1	125.6	124.1	121.6
83.5°	75.2	82.3	92.0	102.0	110.0	115.3	118.6	119.7	119.5	117.9	115.4
84°	66.8	73.8	83.6	94.0	102.5	108.3	112.0	113.4	113.2	111.9	109.4
84.5°	58.4	65.5	75.8	86.3	95.2	101.5	105.4	107.3	107.3	106.0	103.6
85°	50.8	57.7	68.0	78.9	88.3	95.0	99.2	101.3	101.6	100.3	97.9
85.5°	44.2	50.6	60.8	71.9	81.5	88.6	93.1	95.5	95.9	94.7	92.4
86°	37.6	44.2	53.7	65.2	75.2	82.6	87.4	89.9	90.4	89.4	87.0
86.5°	31.0	37.8	48.0	58.7	69.0	76.7	81.7	84.5	85.2	84.2	81.9
87°	24.4	31.3	42.3	52.2	63.1	71.0	76.3	79.3	80.1	79.4	77.0
87.5°	18.7	24.9	36.7	47.3	57.4	65.6	71.1	74.3	75.2	74.5	72.2
88°	13.6	19.6	31.1	42.4	52.0	60.5	66.2	69.4	70.6	69.8	67.6
88.5°	9.1	15.0	25.4	37.5	47.7	55.4	61.3	64.8	66.0	65.4	63.2



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	2.9	5.3	14.0	24.6	34.8	43.2	49.4	52.3	53.7	53.1	51.6
90.5°	1.6	4.3	11.3	21.2	31.0	39.4	45.7	49.0	50.4	49.9	48.3
91°	0.3	3.4	9.1	18.2	27.6	35.7	42.1	45.7	47.2	46.8	45.0
91.5°	0.3	2.4	7.4	15.7	24.6	32.3	38.4	42.3	43.9	43.6	41.7
92°	0.2	1.5	6.0	13.5	21.8	29.3	35.1	39.0	40.7	40.5	38.5
92.5°	0.2	1.1	5.3	11.7	19.4	26.6	32.2	35.8	37.5	37.3	35.6
93°	0.1	0.9	4.7	10.1	17.3	24.1	29.5	33.1	34.8	34.7	33.0
93.5°	0.2	0.8	4.1	8.8	15.4	21.8	27.1	30.5	32.2	32.1	30.6
94°	0.2	0.6	3.4	7.8	13.7	19.8	24.8	28.2	29.8	29.8	28.3
94.5°	0.3	0.5	3.1	7.0	12.3	17.9	22.7	26.0	27.6	27.6	26.2
95°	0.3	0.5	2.8	6.4	11.2	16.3	20.8	24.0	25.6	25.6	24.3
95.5°	0.4	0.5	2.5	6.0	10.2	14.9	19.1	22.1	23.7	23.8	22.6
96°	0.5	0.5	2.3	5.6	9.4	13.7	17.7	20.5	22.0	22.1	20.9
96.5°	0.5	0.6	2.0	5.2	8.8	12.7	16.3	19.0	20.5	20.6	19.5
97°	0.6	0.6	1.8	4.8	8.3	11.8	15.2	17.7	19.1	19.2	18.2
97.5°	0.6	0.7	1.7	4.5	7.8	11.0	14.2	16.5	17.9	18.0	17.1
98°	0.7	0.7	1.5	4.2	7.4	10.4	13.3	15.5	16.8	17.0	16.1
98.5°	0.7	0.7	1.4	3.9	7.0	10.0	12.6	14.6	15.8	16.0	15.3
99°	0.8	0.8	1.3	3.6	6.6	9.5	11.9	13.9	15.0	15.2	14.5
99.5°	0.9	0.8	1.2	3.4	6.2	9.1	11.4	13.2	14.3	14.5	13.8
100°	1.0	0.9	1.1	3.2	5.9	8.6	11.0	12.7	13.7	13.9	13.3
100.5°	1.1	0.9	1.1	2.9	5.6	8.2	10.5	12.2	13.1	13.4	12.8
101°	1.2	1.0	1.1	2.7	5.3	7.8	10.1	11.7	12.7	12.9	12.4
101.5°	1.2	1.1	1.1	2.5	5.0	7.5	9.6	11.3	12.2	12.4	11.9
102°	1.3	1.1	1.1	2.3	4.7	7.1	9.2	10.9	11.8	12.0	11.5
102.5°	1.4	1.2	1.1	2.2	4.4	6.8	8.8	10.4	11.3	11.6	11.1
103°	1.5	1.2	1.1	2.0	4.1	6.4	8.4	10.0	10.9	11.1	10.7
103.5°	1.5	1.3	1.1	1.9	3.9	6.1	8.1	9.6	10.5	10.7	10.3
104°	1.6	1.3	1.0	1.8	3.6	5.8	7.7	9.2	10.1	10.3	9.9
104.5°	1.6	1.4	1.0	1.7	3.4	5.5	7.4	8.8	9.7	9.9	9.5
105°	1.6	1.6	1.0	1.6	3.2	5.2	7.0	8.5	9.3	9.5	9.2
105.5°	1.6	1.7	1.0	1.5	3.0	4.9	6.7	8.1	9.0	9.2	8.8
106°	1.6	1.7	1.0	1.4	2.8	4.7	6.4	7.8	8.6	8.9	8.5
106.5°	1.6	1.6	1.1	1.4	2.6	4.4	6.1	7.4	8.3	8.5	8.2
107°	1.6	1.5	1.1	1.4	2.5	4.2	5.8	7.1	8.0	8.2	7.9
107.5°	1.6	1.5	1.1	1.3	2.3	3.9	5.6	6.8	7.7	7.9	7.6
108°	1.6	1.5	1.1	1.3	2.2	3.7	5.3	6.5	7.4	7.6	7.3
108.5°	1.6	1.6	1.2	1.3	2.1	3.5	5.0	6.2	7.1	7.3	7.0
109°	1.6	1.6	1.2	1.2	2.0	3.3	4.7	6.0	6.8	7.0	6.7
109.5°	1.6	1.7	1.2	1.2	1.9	3.2	4.5	5.7	6.5	6.7	6.5
110°	1.6	1.7	1.2	1.2	1.8	3.0	4.3	5.5	6.2	6.5	6.2
110.5°	1.6	1.7	1.3	1.2	1.7	2.8	4.0	5.2	6.0	6.2	6.0
111°	1.6	1.7	1.3	1.2	1.7	2.7	3.8	5.0	5.7	5.9	5.7



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.7	1.6	1.4	1.3	1.6	2.3	3.3	4.3	5.0	5.2	5.0
113°	1.7	1.6	1.5	1.3	1.6	2.2	3.1	4.1	4.8	5.0	4.8
113.5°	1.7	1.6	1.5	1.3	1.5	2.1	2.9	3.9	4.5	4.7	4.6
114°	1.7	1.7	1.6	1.4	1.5	2.0	2.8	3.7	4.3	4.5	4.4
114.5°	1.8	1.7	1.6	1.4	1.4	2.0	2.7	3.5	4.1	4.3	4.2
115°	1.8	1.7	1.6	1.4	1.4	1.9	2.5	3.3	3.9	4.2	4.0
115.5°	1.8	1.7	1.7	1.4	1.4	1.9	2.4	3.2	3.8	4.0	3.9
116°	1.8	1.8	1.8	1.5	1.4	1.8	2.4	3.0	3.6	3.8	3.7
116.5°	1.8	1.8	1.8	1.5	1.4	1.8	2.3	2.9	3.4	3.6	3.6
117°	1.8	1.8	2.0	1.5	1.4	1.8	2.2	2.8	3.3	3.5	3.4
117.5°	1.8	1.9	2.1	1.5	1.4	1.7	2.2	2.7	3.1	3.4	3.3
118°	1.8	1.9	2.1	1.6	1.5	1.7	2.1	2.6	3.0	3.2	3.2
118.5°	1.8	2.0	2.2	1.6	1.5	1.6	2.1	2.5	2.9	3.1	3.1
119°	1.8	2.0	2.2	1.6	1.5	1.6	2.0	2.4	2.8	3.0	3.0
119.5°	1.9	2.0	2.1	1.7	1.5	1.6	2.0	2.4	2.7	2.9	2.9
120°	1.9	2.0	2.1	1.7	1.6	1.6	1.9	2.3	2.7	2.9	2.8
120.5°	1.9	2.0	2.0	1.7	1.6	1.6	1.9	2.2	2.6	2.8	2.8
121°	1.9	2.0	2.1	1.8	1.6	1.6	1.8	2.2	2.5	2.7	2.7
121.5°	1.9	2.1	2.1	1.8	1.7	1.6	1.7	2.1	2.4	2.6	2.7
122°	1.9	2.1	2.1	1.8	1.7	1.7	1.7	2.1	2.4	2.6	2.6
122.5°	2.0	2.1	2.2	1.9	1.7	1.7	1.7	2.0	2.3	2.5	2.6
123°	2.0	2.1	2.2	1.9	1.8	1.7	1.7	2.0	2.3	2.5	2.5
123.5°	2.0	2.1	2.2	2.0	1.8	1.7	1.7	1.9	2.3	2.5	2.5
124°	2.0	2.2	2.2	2.0	1.8	1.8	1.7	1.8	2.2	2.4	2.4
124.5°	2.0	2.2	2.3	2.1	1.9	1.8	1.7	1.8	2.1	2.3	2.3
125°	2.1	2.2	2.3	2.1	1.9	1.8	1.7	1.8	2.1	2.3	2.3
125.5°	2.1	2.2	2.3	2.2	1.9	1.9	1.8	1.8	2.0	2.2	2.3
126°	2.1	2.2	2.3	2.3	2.0	1.9	1.8	1.8	2.0	2.2	2.3
126.5°	2.1	2.2	2.3	2.4	2.0	1.9	1.8	1.9	2.1	2.2	2.3
127°	2.1	2.2	2.3	2.4	2.0	1.9	1.9	1.9	2.1	2.2	2.3
127.5°	2.2	2.2	2.3	2.5	2.1	2.0	1.9	2.0	2.1	2.3	2.4
128°	2.2	2.2	2.3	2.6	2.1	2.0	2.0	2.0	2.1	2.3	2.4
128.5°	2.2	2.2	2.3	2.6	2.1	2.0	2.0	2.1	2.2	2.3	2.4
129°	2.2	2.2	2.2	2.6	2.2	2.1	2.0	2.1	2.2	2.4	2.5
129.5°	2.2	2.2	2.2	2.6	2.2	2.1	2.1	2.1	2.3	2.4	2.5
130°	2.2	2.2	2.2	2.6	2.3	2.2	2.1	2.2	2.3	2.4	2.5
130.5°	2.3	2.3	2.2	2.6	2.3	2.2	2.2	2.3	2.4	2.5	2.6
131°	2.3	2.3	2.2	2.6	2.4	2.2	2.2	2.3	2.4	2.5	2.6
131.5°	2.3	2.3	2.3	2.7	2.4	2.3	2.3	2.3	2.4	2.6	2.6
132°	2.3	2.3	2.3	2.7	2.5	2.3	2.3	2.4	2.5	2.6	2.7
132.5°	2.3	2.3	2.3	2.7	2.6	2.4	2.4	2.4	2.5	2.6	2.7
133°	2.3	2.3	2.3	2.8	2.7	2.5	2.4	2.5	2.6	2.7	2.8
133.5°	2.3	2.4	2.3	2.8	2.8	2.5	2.5	2.5	2.6	2.7	2.8



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.4	2.4	2.4	2.9	3.0	2.7	2.7	2.7	2.7	2.8	2.9
135.5°	2.4	2.4	2.5	2.9	3.1	2.7	2.7	2.7	2.8	2.9	3.0
136°	2.3	2.4	2.5	2.9	3.1	2.8	2.8	2.8	2.8	2.9	3.0
136.5°	2.3	2.4	2.5	2.9	3.1	2.9	2.8	2.8	2.9	2.9	3.1
137°	2.3	2.4	2.5	2.8	3.1	2.9	2.9	2.9	2.9	3.0	3.1
137.5°	2.3	2.5	2.6	2.8	3.1	3.0	2.9	2.9	2.9	3.0	3.2
138°	2.4	2.5	2.6	2.8	3.1	3.2	3.0	3.0	3.0	3.1	3.2
138.5°	2.4	2.6	2.6	2.7	3.1	3.3	3.0	3.0	3.0	3.1	3.3
139°	2.4	2.6	2.6	2.7	3.2	3.4	3.1	3.1	3.1	3.1	3.3
139.5°	2.4	2.6	2.6	2.7	3.2	3.4	3.1	3.1	3.1	3.2	3.4
140°	2.4	2.7	2.7	2.7	3.2	3.5	3.1	3.1	3.1	3.2	3.4
140.5°	2.4	2.7	2.7	2.7	3.3	3.5	3.2	3.2	3.2	3.3	3.5
141°	2.4	2.7	2.7	2.7	3.3	3.5	3.3	3.2	3.2	3.4	3.5
141.5°	2.4	2.7	2.7	2.7	3.3	3.5	3.4	3.3	3.3	3.4	3.6
142°	2.4	2.7	2.7	2.6	3.3	3.6	3.5	3.3	3.3	3.5	3.6
142.5°	2.4	2.8	2.7	2.6	3.2	3.6	3.6	3.4	3.4	3.5	3.7
143°	2.4	2.8	2.7	2.6	3.2	3.6	3.7	3.4	3.4	3.6	3.8
143.5°	2.4	2.8	2.8	2.6	3.2	3.5	3.8	3.5	3.5	3.6	3.9
144°	2.4	2.8	2.8	2.6	3.1	3.5	3.8	3.6	3.6	3.7	3.9
144.5°	2.4	2.8	2.8	2.6	3.1	3.5	3.8	3.7	3.6	3.8	4.0
145°	2.4	2.8	2.8	2.6	3.1	3.5	3.8	3.9	3.7	3.8	4.0
145.5°	2.4	2.8	2.8	2.6	3.0	3.5	3.8	3.9	3.8	3.9	4.1
146°	2.4	2.8	2.8	2.6	3.0	3.5	3.8	4.0	3.9	4.0	4.2
146.5°	2.4	2.8	2.8	2.6	3.0	3.5	3.7	4.0	4.1	4.1	4.4
147°	2.4	2.8	2.8	2.6	2.9	3.5	3.7	4.0	4.2	4.2	4.5
147.5°	2.4	2.8	2.8	2.6	2.9	3.5	3.7	4.0	4.2	4.3	4.5
148°	2.4	2.8	2.9	2.6	2.9	3.5	3.7	4.0	4.1	4.3	4.5
148.5°	2.4	2.8	2.9	2.6	2.8	3.4	3.7	4.0	4.1	4.3	4.5
149°	2.3	2.8	2.9	2.6	2.8	3.4	3.7	3.9	4.1	4.3	4.5
149.5°	2.3	2.8	2.9	2.6	2.8	3.4	3.7	3.9	4.2	4.3	4.5
150°	2.3	2.7	2.9	2.6	2.8	3.3	3.7	3.9	4.1	4.3	4.4
150.5°	2.3	2.7	2.9	2.6	2.7	3.3	3.7	3.9	4.1	4.2	4.4
151°	2.2	2.7	2.9	2.7	2.7	3.2	3.6	3.9	4.1	4.2	4.3
151.5°	2.1	2.7	2.9	2.7	2.7	3.1	3.6	3.9	4.1	4.1	4.3
152°	2.1	2.6	2.9	2.7	2.7	3.1	3.5	3.9	4.0	4.1	4.4
152.5°	2.1	2.6	2.9	2.7	2.7	3.0	3.5	3.8	4.0	4.1	4.3
153°	2.1	2.6	2.9	2.7	2.7	3.0	3.4	3.8	4.0	4.1	4.3
153.5°	1.9	2.6	2.9	2.7	2.7	2.9	3.4	3.7	3.9	4.1	4.2
154°	1.8	2.5	2.9	2.8	2.7	2.9	3.3	3.7	3.9	4.0	4.1
154.5°	1.7	2.5	2.9	2.8	2.7	2.9	3.2	3.6	3.8	4.0	4.0
155°	1.7	2.5	2.9	2.8	2.8	2.9	3.2	3.5	3.7	3.9	3.9
155.5°	1.8	2.5	2.9	2.8	2.8	2.9	3.1	3.5	3.7	3.8	3.8
156°	1.7	2.5	2.9	2.8	2.8	2.9	3.1	3.4	3.6	3.7	3.8



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5
0.5°	1516.9	1516.8	1516.7	1516.5	1516.4	1516.2	1516.1	1516.0	1515.9	1515.9	1516.0
1°	1516.9	1517.0	1517.2	1517.4	1517.2	1516.9	1516.5	1516.1	1515.8	1515.6	1515.5
1.5°	1517.3	1517.1	1516.7	1516.0	1515.5	1515.5	1515.5	1515.3	1515.0	1514.7	1514.7
2°	1517.2	1516.1	1514.8	1514.8	1514.7	1514.2	1514.0	1514.1	1513.8	1513.7	1513.6
2.5°	1516.0	1515.8	1516.0	1515.1	1515.0	1514.6	1513.8	1513.6	1513.3	1513.1	1512.7
3°	1515.4	1515.1	1514.8	1514.1	1514.1	1513.8	1513.5	1512.9	1511.7	1510.7	1511.0
3.5°	1514.2	1513.9	1513.8	1513.9	1513.2	1512.1	1511.8	1512.1	1510.3	1509.6	1509.4
4°	1513.9	1513.2	1512.6	1512.6	1512.4	1511.6	1510.5	1510.8	1509.9	1508.6	1507.6
4.5°	1511.1	1512.0	1510.5	1511.4	1511.5	1510.4	1509.2	1508.5	1508.0	1506.9	1506.2
5°	1510.5	1510.5	1510.2	1509.4	1509.8	1509.2	1508.1	1507.2	1506.7	1505.7	1503.8
5.5°	1509.6	1509.0	1508.7	1507.8	1508.2	1507.1	1506.9	1505.8	1505.3	1504.1	1502.0
6°	1507.9	1507.2	1506.5	1506.2	1506.0	1505.5	1505.1	1503.9	1503.0	1502.3	1499.6
6.5°	1505.8	1505.2	1504.8	1504.2	1503.8	1504.4	1503.4	1502.0	1500.4	1500.3	1497.5
7°	1503.9	1502.9	1503.4	1502.4	1502.1	1502.2	1501.5	1499.6	1498.0	1497.3	1495.5
7.5°	1501.3	1500.7	1500.9	1500.9	1499.7	1499.8	1498.9	1498.0	1495.5	1495.2	1493.5
8°	1499.0	1498.7	1498.2	1498.3	1497.9	1497.9	1496.0	1495.0	1493.3	1492.7	1490.2
8.5°	1495.9	1496.0	1495.5	1495.3	1495.7	1494.8	1494.6	1492.6	1491.6	1489.7	1487.6
9°	1492.9	1493.2	1492.9	1492.8	1493.3	1492.0	1491.6	1490.5	1488.1	1486.7	1484.7
9.5°	1490.4	1490.6	1489.7	1489.9	1490.0	1489.7	1488.3	1487.1	1484.7	1483.5	1481.0
10°	1487.1	1487.2	1486.6	1487.4	1487.0	1485.7	1485.8	1484.3	1481.9	1480.4	1477.8
10.5°	1483.7	1484.1	1482.7	1484.3	1483.8	1483.0	1483.1	1481.4	1479.3	1476.6	1474.6
11°	1479.6	1480.9	1480.2	1481.4	1480.8	1480.4	1479.9	1478.3	1475.7	1472.9	1470.6
11.5°	1475.8	1477.1	1476.3	1477.4	1477.4	1477.5	1476.3	1474.3	1471.6	1469.7	1466.6
12°	1472.1	1472.9	1472.6	1473.3	1474.2	1473.4	1472.7	1470.9	1468.5	1466.3	1462.7
12.5°	1468.1	1469.2	1469.0	1469.3	1470.5	1469.7	1468.9	1467.4	1465.1	1461.8	1459.2
13°	1463.9	1464.9	1464.5	1465.0	1466.1	1465.7	1465.5	1463.7	1461.7	1457.6	1455.1
13.5°	1459.1	1459.8	1459.8	1461.2	1461.9	1461.6	1461.4	1459.7	1456.8	1453.3	1450.0
14°	1454.1	1455.2	1456.0	1457.1	1457.9	1457.6	1457.3	1456.1	1452.5	1449.1	1445.4
14.5°	1449.2	1450.4	1451.4	1452.4	1453.7	1453.6	1453.1	1451.5	1448.9	1444.3	1440.6
15°	1444.1	1446.0	1446.5	1447.9	1449.7	1448.9	1449.0	1446.7	1444.5	1439.1	1435.8
15.5°	1438.8	1441.4	1442.0	1443.4	1445.2	1444.1	1444.6	1442.2	1439.4	1434.6	1431.0
16°	1433.1	1435.6	1436.7	1438.2	1440.0	1439.8	1439.8	1437.9	1434.5	1430.4	1426.1
16.5°	1427.7	1430.3	1431.4	1433.0	1434.7	1435.1	1434.6	1433.5	1430.1	1425.5	1420.5
17°	1421.8	1424.3	1425.7	1427.6	1429.9	1429.9	1429.7	1428.5	1424.9	1420.0	1414.6
17.5°	1415.9	1418.9	1420.4	1422.2	1425.1	1425.1	1425.6	1423.2	1419.6	1414.7	1409.2
18°	1410.1	1412.3	1414.9	1417.4	1419.4	1419.5	1419.9	1417.6	1413.9	1409.3	1403.2
18.5°	1403.5	1405.7	1409.3	1411.5	1414.0	1413.8	1413.8	1412.5	1408.6	1403.1	1396.9
19°	1396.7	1399.3	1402.8	1405.0	1408.3	1408.7	1408.7	1407.1	1403.5	1397.2	1391.2
19.5°	1389.9	1392.9	1396.3	1399.4	1402.2	1402.7	1403.1	1401.3	1397.5	1391.4	1384.8
20°	1383.9	1387.0	1390.2	1393.3	1396.1	1397.2	1397.2	1395.7	1391.7	1385.3	1378.5
20.5°	1376.8	1379.9	1383.9	1386.5	1390.3	1391.0	1391.0	1390.0	1385.8	1379.2	1372.0
21°	1369.5	1373.6	1376.7	1380.1	1383.7	1385.3	1385.2	1383.6	1379.5	1372.5	1365.4



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1347.0	1350.7	1355.5	1360.4	1364.1	1366.2	1366.1	1364.0	1360.0	1352.3	1345.1
23°	1339.1	1343.2	1348.4	1353.1	1357.2	1359.2	1359.4	1357.2	1353.4	1345.9	1337.3
23.5°	1331.1	1335.5	1340.7	1345.3	1350.6	1352.8	1353.0	1350.9	1346.4	1339.3	1330.2
24°	1322.7	1328.0	1332.8	1338.2	1343.1	1345.6	1346.0	1344.2	1339.7	1332.0	1322.8
24.5°	1314.4	1319.6	1325.3	1330.6	1335.7	1338.6	1339.4	1337.2	1332.5	1324.6	1315.2
25°	1306.4	1311.3	1317.5	1323.0	1328.2	1331.5	1332.5	1330.1	1325.2	1316.8	1307.3
25.5°	1297.7	1303.3	1309.2	1314.9	1320.5	1324.0	1324.8	1322.7	1317.8	1309.4	1299.8
26°	1289.0	1294.8	1301.1	1306.7	1313.0	1316.3	1317.0	1315.7	1310.5	1301.6	1291.6
26.5°	1280.2	1285.7	1292.4	1298.7	1305.6	1309.1	1309.7	1308.0	1302.5	1294.0	1283.5
27°	1270.9	1277.2	1283.9	1290.6	1297.1	1301.1	1302.0	1299.9	1295.0	1286.0	1275.3
27.5°	1261.9	1268.0	1275.3	1282.1	1289.4	1293.0	1294.0	1292.3	1287.1	1278.0	1266.9
28°	1252.3	1259.2	1266.1	1274.0	1280.9	1284.6	1285.8	1284.4	1279.0	1269.9	1258.2
28.5°	1243.0	1249.7	1257.5	1265.3	1272.2	1276.7	1278.0	1276.6	1270.9	1261.4	1250.1
29°	1233.3	1240.4	1248.7	1256.0	1264.2	1269.0	1270.1	1268.2	1262.7	1253.1	1241.2
29.5°	1223.2	1230.3	1239.2	1247.1	1255.4	1259.8	1262.1	1259.9	1254.0	1244.5	1232.0
30°	1213.8	1221.2	1230.0	1238.5	1246.6	1252.2	1253.0	1251.5	1245.3	1235.8	1223.3
30.5°	1203.8	1210.6	1220.5	1229.6	1237.6	1243.1	1244.2	1242.5	1237.5	1226.9	1214.1
31°	1192.8	1201.5	1211.1	1219.9	1228.9	1233.8	1236.1	1234.6	1228.4	1217.6	1205.0
31.5°	1182.4	1191.5	1201.2	1210.2	1220.0	1225.3	1227.1	1225.3	1219.1	1209.1	1195.8
32°	1172.2	1181.0	1191.2	1201.2	1210.2	1216.1	1217.8	1216.6	1210.8	1199.9	1186.3
32.5°	1161.7	1171.1	1181.6	1191.5	1200.7	1207.1	1209.0	1207.8	1201.2	1190.7	1177.0
33°	1151.1	1160.3	1171.6	1181.8	1192.0	1197.6	1200.1	1198.3	1192.4	1181.4	1166.9
33.5°	1140.3	1150.0	1161.2	1172.2	1182.0	1188.4	1190.3	1189.4	1183.0	1171.7	1157.2
34°	1129.5	1139.3	1151.0	1162.1	1171.8	1178.9	1181.1	1180.5	1173.7	1162.2	1147.5
34.5°	1119.0	1128.6	1140.6	1151.8	1162.3	1169.7	1171.9	1170.7	1163.7	1152.9	1138.8
35°	1107.8	1117.4	1130.0	1141.4	1152.7	1159.6	1162.5	1161.0	1154.5	1143.1	1129.2
35.5°	1096.0	1107.1	1119.3	1131.2	1142.6	1149.3	1152.6	1151.3	1144.9	1133.9	1118.5
36°	1084.7	1095.9	1108.7	1121.2	1132.0	1140.0	1142.8	1142.1	1135.3	1123.4	1107.9
36.5°	1073.5	1084.4	1098.0	1110.9	1122.1	1130.2	1133.1	1132.4	1125.1	1113.1	1097.2
37°	1062.1	1073.6	1087.0	1099.6	1112.3	1120.3	1123.0	1122.1	1114.8	1102.7	1086.6
37.5°	1051.0	1062.1	1076.1	1089.4	1101.6	1110.0	1112.9	1111.8	1104.6	1092.4	1076.0
38°	1039.2	1051.1	1065.4	1079.0	1091.4	1099.4	1102.6	1101.5	1094.3	1082.0	1065.5
38.5°	1028.0	1039.3	1054.4	1067.8	1080.0	1088.9	1092.4	1091.3	1084.1	1071.6	1054.6
39°	1016.3	1028.3	1043.0	1056.8	1069.7	1078.2	1081.9	1080.8	1073.5	1061.0	1044.1
39.5°	1004.9	1016.7	1031.7	1045.8	1058.9	1067.7	1071.1	1070.0	1062.8	1050.7	1033.0
40°	992.8	1004.9	1020.2	1034.8	1048.1	1057.3	1060.8	1059.5	1052.4	1039.8	1022.3
40.5°	980.6	993.4	1008.4	1024.1	1036.8	1046.6	1050.0	1048.6	1041.7	1029.1	1011.4
41°	968.6	981.3	997.2	1012.4	1026.2	1035.3	1039.0	1038.0	1030.9	1018.6	1000.5
41.5°	957.2	969.8	985.8	1001.0	1014.8	1024.4	1028.4	1027.2	1020.4	1007.1	989.0
42°	945.6	958.6	974.3	989.7	1003.7	1013.2	1016.9	1016.8	1009.0	995.6	977.8
42.5°	933.8	946.7	962.8	978.4	992.2	1002.1	1006.1	1005.5	998.3	984.9	966.3
43°	921.8	934.1	950.9	967.0	981.2	991.7	995.0	994.3	987.0	973.9	956.0
43.5°	909.4	922.9	939.4	955.5	970.1	979.9	983.9	983.2	975.6	962.6	944.3



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CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	873.9	887.2	904.1	920.6	936.0	946.0	949.8	949.4	942.1	928.2	909.7
45.5°	861.5	874.9	892.3	909.0	923.7	933.9	938.7	938.0	930.1	916.7	898.1
46°	849.4	862.7	880.4	897.1	912.0	922.9	926.8	926.3	918.4	905.4	886.6
46.5°	837.3	851.2	868.0	885.2	900.1	910.9	915.1	914.5	907.0	893.8	875.1
47°	825.5	838.7	856.1	873.7	888.9	899.7	903.8	902.9	895.3	882.0	863.3
47.5°	813.5	827.6	844.3	861.6	877.2	888.1	891.4	891.3	883.8	870.3	851.5
48°	801.5	814.8	832.3	849.6	865.3	876.2	879.9	879.2	872.1	858.8	839.8
48.5°	789.7	803.1	820.9	838.0	852.8	863.8	867.9	867.6	860.2	846.8	827.6
49°	777.5	791.4	809.1	826.0	841.7	852.2	856.3	856.0	848.7	834.9	816.2
49.5°	766.0	779.6	797.1	813.9	829.2	840.8	844.8	844.0	836.6	823.0	804.6
50°	754.2	767.2	785.0	801.7	817.9	828.7	832.9	832.2	824.7	811.4	792.5
50.5°	742.4	755.6	773.0	790.2	805.7	816.8	820.8	820.2	813.0	799.3	780.4
51°	730.3	743.7	761.1	778.5	794.0	804.6	808.6	808.1	800.5	787.3	768.7
51.5°	719.0	732.6	749.1	766.5	781.7	793.1	796.5	796.1	788.8	775.7	756.7
52°	707.3	720.2	737.4	754.2	769.9	780.2	784.8	784.2	776.8	763.2	744.7
52.5°	695.8	708.6	725.5	742.4	757.7	768.6	772.9	773.2	764.6	751.0	732.8
53°	684.3	697.0	713.5	730.6	746.0	756.3	761.5	761.0	752.4	739.2	721.0
53.5°	672.7	685.6	702.0	718.5	734.0	744.6	750.6	747.6	740.5	727.5	709.0
54°	661.1	673.0	690.4	706.5	722.0	732.2	737.6	735.3	727.9	715.1	697.4
54.5°	650.0	662.0	678.4	694.8	709.5	720.5	724.2	723.3	716.0	703.2	685.5
55°	638.2	650.7	666.8	683.0	697.8	708.2	711.9	710.8	703.7	691.2	673.4
55.5°	626.7	639.3	655.5	671.2	685.5	696.1	699.4	698.4	691.3	679.0	661.3
56°	615.4	627.6	643.6	659.1	673.5	683.5	687.2	687.6	679.5	666.8	649.5
56.5°	604.4	616.2	631.9	647.3	661.6	671.3	675.7	675.3	667.5	654.7	637.6
57°	593.5	604.8	620.0	635.7	649.5	659.3	664.9	661.4	655.5	642.7	625.7
57.5°	582.2	593.8	608.4	624.3	637.5	647.4	652.0	649.5	642.3	630.5	613.9
58°	571.1	582.5	597.4	612.4	625.2	635.1	637.9	637.2	630.2	618.4	602.0
58.5°	560.4	571.1	585.6	600.1	613.2	622.7	625.7	625.2	617.9	606.7	590.0
59°	549.6	560.0	573.9	588.1	601.5	610.4	613.7	613.0	606.0	594.3	578.0
59.5°	538.5	549.2	562.6	576.6	589.6	599.0	602.4	599.8	593.4	582.0	566.6
60°	528.0	538.3	551.3	565.2	578.5	587.0	589.7	587.6	581.2	570.1	554.3
60.5°	517.4	527.3	540.2	553.6	566.8	574.1	576.2	575.4	568.5	557.9	542.7
61°	506.7	516.3	529.3	542.1	554.1	561.3	563.6	563.2	556.5	545.7	531.0
61.5°	496.1	505.3	518.0	531.0	541.7	549.5	551.8	550.4	543.8	533.4	518.9
62°	485.4	494.3	506.7	519.3	533.4	538.7	540.3	538.2	531.5	521.7	507.2
62.5°	474.7	483.3	495.3	508.0	520.7	534.7	524.5	525.5	519.5	509.6	495.3
63°	464.1	472.7	483.9	496.0	509.0	519.8	512.3	513.6	507.4	497.5	484.1
63.5°	454.1	462.1	472.7	484.0	495.8	505.5	500.5	501.0	494.6	485.6	472.4
64°	444.0	451.7	461.7	472.2	482.6	491.1	488.6	488.3	482.6	473.6	460.7
64.5°	433.8	441.0	450.9	460.9	470.5	476.8	476.6	476.0	470.4	461.4	448.9
65°	423.8	430.8	440.3	449.8	458.4	464.0	464.4	464.0	458.3	449.4	437.8
65.5°	413.8	420.6	429.4	438.5	446.6	451.6	452.7	451.4	446.0	437.6	426.1
66°	403.8	410.4	418.5	427.5	434.9	440.7	440.6	439.1	433.9	425.8	414.5



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CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	374.9	380.0	387.5	394.5	400.5	403.8	403.4	402.4	397.5	390.3	380.6
68°	365.1	370.2	377.0	383.4	388.9	392.2	391.2	390.3	385.4	378.4	368.9
68.5°	355.7	360.2	366.3	372.5	377.4	380.2	379.5	378.1	373.0	366.5	357.9
69°	346.1	350.1	356.1	361.5	365.9	368.4	367.3	365.7	360.9	355.0	346.6
69.5°	336.5	340.2	345.9	350.9	355.0	356.9	355.3	353.3	349.1	343.5	335.7
70°	326.9	330.8	335.8	340.4	343.7	344.8	342.9	341.5	337.3	331.8	324.5
70.5°	318.0	321.2	325.8	329.7	332.4	333.0	331.1	329.5	325.0	320.4	313.4
71°	309.0	311.8	315.8	319.2	321.3	321.5	318.9	317.6	313.5	308.6	302.3
71.5°	299.7	302.5	305.8	308.6	310.3	309.8	307.1	305.5	301.6	297.3	291.6
72°	290.6	293.0	295.9	298.2	299.3	298.4	295.4	293.6	289.7	285.8	280.8
72.5°	281.8	283.5	286.1	287.8	288.6	287.1	283.7	281.6	277.9	274.7	270.1
73°	272.7	274.2	276.4	277.6	277.8	275.7	271.9	269.8	266.3	263.3	259.2
73.5°	264.0	265.0	266.8	267.5	267.1	264.5	260.4	258.1	254.9	252.3	248.8
74°	255.5	256.1	257.5	257.6	256.4	253.3	248.8	246.5	243.5	241.1	238.2
74.5°	246.8	247.2	248.0	247.5	245.7	242.2	237.2	234.7	232.0	230.0	228.1
75°	238.2	238.2	238.5	237.3	235.1	231.2	225.9	223.3	220.9	219.3	217.8
75.5°	229.9	229.5	229.3	227.7	224.9	220.2	214.7	212.0	209.5	208.7	207.8
76°	221.6	220.9	220.1	218.0	214.7	209.5	203.5	200.7	198.5	198.0	197.5
76.5°	213.4	212.2	211.0	208.2	204.6	198.9	192.3	189.4	187.6	187.6	187.9
77°	205.2	203.8	202.3	199.2	194.4	188.3	181.6	178.4	176.8	177.1	178.1
77.5°	197.2	195.5	193.4	189.8	184.5	177.8	170.7	167.6	166.0	167.1	168.6
78°	189.3	187.3	184.6	180.5	174.8	167.6	160.2	156.8	155.6	156.9	158.7
78.5°	181.6	179.2	176.2	171.6	165.3	157.6	149.8	146.3	145.2	147.1	149.8
79°	174.0	171.4	167.8	162.7	155.9	147.7	139.6	136.3	135.5	137.9	141.2
79.5°	166.5	163.5	159.6	153.7	146.7	137.9	129.3	126.4	125.7	128.8	132.6
80°	159.1	155.9	151.5	145.3	137.5	128.2	119.6	116.4	115.9	119.6	124.0
80.5°	151.8	148.3	143.6	136.6	128.6	119.1	110.0	106.4	106.2	110.5	115.4
81°	144.9	141.0	135.8	128.6	119.9	110.0	100.7	96.9	97.0	101.3	106.8
81.5°	138.0	133.8	128.2	120.6	111.6	101.2	91.5	87.3	88.2	92.7	98.8
82°	131.0	126.7	120.9	113.0	103.2	92.5	82.6	78.3	79.3	84.3	90.9
82.5°	124.4	119.8	113.7	105.2	95.3	84.2	74.2	70.0	70.9	76.4	83.5
83°	118.0	113.2	106.8	98.0	87.6	76.1	66.0	61.7	63.0	68.9	76.3
83.5°	111.7	106.8	100.0	91.0	80.2	68.6	58.3	53.9	55.6	61.5	69.4
84°	105.6	100.6	93.5	84.1	73.0	61.1	50.8	46.3	48.1	54.5	62.8
84.5°	99.8	94.4	87.1	77.3	66.2	54.2	44.5	39.3	41.2	47.8	56.6
85°	94.0	88.5	80.9	71.2	59.8	48.4	38.2	32.7	34.7	41.7	50.7
85.5°	88.4	82.8	75.1	65.2	53.7	42.8	32.0	26.5	28.8	36.0	45.2
86°	83.0	77.4	69.6	59.6	48.8	37.1	25.7	22.0	23.3	30.8	40.2
86.5°	77.9	72.2	64.2	54.3	43.8	31.5	20.3	17.5	19.7	26.0	35.4
87°	72.9	67.1	59.1	49.9	38.9	25.8	15.7	13.1	16.0	21.8	31.0
87.5°	68.1	62.2	54.4	45.5	33.9	21.4	11.7	8.6	12.4	19.1	27.0
88°	63.5	57.7	50.3	41.1	29.0	17.6	8.4	4.2	8.8	16.3	23.4
88.5°	59.1	53.1	46.3	36.6	25.1	14.4	5.8	1.9	5.4	13.5	20.3



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	47.9	42.3	34.6	25.6	16.0	7.4	2.6	0.6	2.3	6.8	14.3
90.5°	44.6	38.8	31.4	22.7	13.7	6.0	1.6	0.5	1.9	5.8	12.6
91°	41.1	35.5	28.4	20.1	11.7	5.3	1.2	0.3	1.7	5.1	10.9
91.5°	37.9	32.6	25.7	17.8	10.1	4.7	0.9	0.2	1.5	4.6	9.3
92°	35.0	29.8	23.2	15.9	8.9	4.0	0.8	0.3	1.4	4.3	8.5
92.5°	32.2	27.3	21.0	14.1	7.8	3.3	0.6	0.3	1.3	4.0	7.8
93°	29.8	25.0	19.1	12.7	7.0	3.0	0.5	0.4	1.1	3.7	7.4
93.5°	27.5	23.0	17.3	11.4	6.3	2.7	0.5	0.4	1.0	3.5	7.0
94°	25.4	21.0	15.7	10.4	5.9	2.5	0.5	0.5	1.0	3.5	6.7
94.5°	23.4	19.3	14.4	9.5	5.5	2.3	0.5	0.5	1.0	3.4	6.4
95°	21.6	17.8	13.2	8.8	5.2	2.1	0.5	0.6	1.0	3.4	6.2
95.5°	20.0	16.4	12.2	8.3	4.9	1.9	0.6	0.7	1.0	3.3	6.0
96°	18.5	15.2	11.4	7.8	4.5	1.8	0.7	0.7	1.0	3.2	5.8
96.5°	17.3	14.2	10.8	7.4	4.2	1.7	0.8	0.8	1.0	3.1	5.7
97°	16.2	13.4	10.2	7.1	4.0	1.6	0.9	0.9	1.0	3.0	5.6
97.5°	15.2	12.6	9.7	6.8	3.8	1.5	0.9	1.0	1.0	2.9	5.5
98°	14.3	12.0	9.3	6.4	3.6	1.4	1.0	1.1	1.0	2.8	5.5
98.5°	13.6	11.5	8.9	6.1	3.4	1.4	1.1	1.2	1.1	2.7	5.4
99°	13.0	11.0	8.6	5.8	3.2	1.3	1.1	1.3	1.2	2.7	5.3
99.5°	12.5	10.6	8.2	5.5	3.0	1.3	1.2	1.4	1.3	2.7	5.2
100°	12.0	10.2	7.8	5.2	2.9	1.3	1.3	1.6	1.4	2.7	5.0
100.5°	11.6	9.8	7.5	5.0	2.7	1.3	1.4	1.7	1.5	2.7	4.9
101°	11.2	9.4	7.2	4.7	2.6	1.3	1.4	1.8	1.6	2.6	4.8
101.5°	10.8	9.0	6.9	4.5	2.4	1.3	1.5	1.9	1.6	2.5	4.7
102°	10.3	8.6	6.6	4.2	2.3	1.3	1.6	1.9	1.7	2.5	4.6
102.5°	10.0	8.3	6.3	4.0	2.1	1.3	1.7	2.0	1.8	2.4	4.5
103°	9.6	8.0	6.0	3.8	2.0	1.3	1.8	2.0	1.9	2.3	4.4
103.5°	9.2	7.7	5.7	3.7	1.9	1.4	1.8	2.1	1.9	2.2	4.3
104°	8.9	7.4	5.5	3.5	1.9	1.5	1.9	2.1	2.0	2.2	4.2
104.5°	8.5	7.1	5.3	3.3	1.9	1.6	2.0	2.2	2.1	2.2	4.1
105°	8.2	6.8	5.0	3.2	1.9	1.7	2.2	2.3	2.1	2.1	4.0
105.5°	7.9	6.5	4.8	3.0	1.9	1.8	2.5	2.3	2.2	2.1	3.9
106°	7.6	6.2	4.6	2.9	1.8	1.8	2.8	2.4	2.3	2.1	3.7
106.5°	7.3	6.0	4.4	2.7	1.8	1.8	3.0	2.5	2.5	2.1	3.6
107°	7.0	5.7	4.2	2.6	1.8	1.9	3.3	2.5	2.8	2.0	3.4
107.5°	6.7	5.5	4.0	2.5	1.8	1.9	3.4	2.6	3.0	2.0	3.3
108°	6.4	5.2	3.8	2.4	1.8	2.0	3.3	2.6	3.0	2.0	3.2
108.5°	6.2	5.0	3.6	2.4	1.9	2.0	3.2	2.6	2.9	2.1	3.2
109°	5.9	4.8	3.5	2.3	1.9	2.1	3.2	2.7	2.9	2.1	3.1
109.5°	5.7	4.6	3.3	2.2	2.0	2.2	3.1	2.7	3.0	2.2	3.0
110°	5.5	4.4	3.2	2.1	2.0	2.2	3.1	2.8	3.0	2.3	2.9
110.5°	5.2	4.1	3.0	2.1	2.1	2.3	3.1	2.8	3.1	2.3	2.9
111°	5.0	4.0	2.9	2.1	2.1	2.4	3.1	2.8	3.2	2.4	2.9



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	4.4	3.5	2.6	2.0	2.1	2.8	3.2	2.9	3.4	2.5	2.8
113°	4.2	3.4	2.5	2.0	2.2	2.9	3.2	2.9	3.5	2.6	2.7
113.5°	4.0	3.2	2.5	2.0	2.2	3.0	3.3	3.0	3.5	2.6	2.6
114°	3.9	3.1	2.4	2.1	2.3	3.2	3.3	3.0	3.6	2.7	2.5
114.5°	3.7	3.0	2.4	2.1	2.4	3.4	3.4	3.0	3.6	2.7	2.4
115°	3.6	3.0	2.4	2.1	2.5	3.5	3.4	3.0	3.7	2.7	2.3
115.5°	3.5	2.9	2.4	2.2	2.6	3.6	3.4	3.0	3.7	2.8	2.3
116°	3.3	2.9	2.4	2.3	2.7	3.8	3.5	3.0	3.7	2.9	2.3
116.5°	3.2	2.8	2.3	2.3	2.8	3.9	3.5	3.0	3.8	2.9	2.4
117°	3.1	2.7	2.3	2.4	2.9	3.9	3.5	3.0	3.8	3.0	2.4
117.5°	3.0	2.7	2.3	2.5	2.9	3.9	3.6	3.0	3.8	3.1	2.5
118°	2.9	2.6	2.3	2.5	3.0	4.0	3.6	3.0	3.9	3.1	2.6
118.5°	2.9	2.6	2.3	2.6	3.1	4.1	3.7	3.0	3.9	3.2	2.6
119°	2.8	2.5	2.3	2.7	3.2	4.3	3.7	3.0	3.9	3.2	2.6
119.5°	2.7	2.5	2.3	2.8	3.2	4.4	3.8	3.0	4.0	3.3	2.7
120°	2.7	2.4	2.4	2.8	3.3	4.5	3.8	3.0	4.0	3.5	2.8
120.5°	2.6	2.4	2.4	2.9	3.4	4.6	3.8	3.0	4.0	3.6	2.9
121°	2.6	2.4	2.5	2.9	3.4	4.7	3.8	3.0	4.0	3.6	2.9
121.5°	2.5	2.3	2.5	3.0	3.5	4.7	3.8	3.0	4.0	3.6	3.0
122°	2.5	2.3	2.6	3.0	3.6	4.7	3.8	3.1	4.0	3.6	3.0
122.5°	2.4	2.3	2.6	3.1	3.7	4.7	3.8	3.1	4.1	3.6	3.0
123°	2.4	2.4	2.7	3.2	3.8	4.6	3.8	3.1	4.1	3.6	3.1
123.5°	2.4	2.4	2.8	3.2	3.9	4.5	3.7	3.1	4.1	3.7	3.1
124°	2.3	2.4	2.8	3.3	4.0	4.4	3.7	3.1	4.1	3.7	3.2
124.5°	2.3	2.5	2.9	3.3	4.0	4.4	3.7	3.1	4.1	3.8	3.2
125°	2.3	2.5	2.9	3.4	4.2	4.3	3.6	3.1	4.1	3.8	3.3
125.5°	2.4	2.6	3.0	3.5	4.3	4.3	3.6	3.1	4.1	3.8	3.3
126°	2.4	2.6	3.1	3.5	4.5	4.2	3.6	3.1	4.1	3.9	3.3
126.5°	2.4	2.7	3.1	3.6	4.6	4.2	3.6	3.1	4.1	3.9	3.4
127°	2.5	2.7	3.2	3.6	4.6	4.1	3.5	3.1	4.1	4.0	3.4
127.5°	2.5	2.8	3.2	3.7	4.6	4.1	3.5	3.1	4.1	4.0	3.5
128°	2.5	2.8	3.3	3.8	4.7	4.1	3.5	3.1	4.1	4.0	3.5
128.5°	2.6	2.9	3.3	3.9	4.7	4.1	3.5	3.1	4.1	4.0	3.6
129°	2.6	2.9	3.4	4.0	4.8	4.1	3.5	3.1	4.1	4.0	3.7
129.5°	2.6	3.0	3.4	4.1	4.9	4.1	3.5	3.1	4.1	4.0	3.8
130°	2.7	3.0	3.5	4.1	4.9	4.0	3.5	3.1	4.1	4.0	3.9
130.5°	2.7	3.1	3.5	4.2	5.0	4.0	3.5	3.2	4.1	4.1	3.9
131°	2.8	3.1	3.6	4.3	5.0	4.1	3.5	3.2	4.1	4.1	3.9
131.5°	2.8	3.2	3.6	4.3	5.0	4.0	3.5	3.2	4.1	4.2	3.9
132°	2.9	3.2	3.7	4.4	5.1	4.0	3.5	3.2	4.1	4.2	3.9
132.5°	2.9	3.3	3.8	4.5	5.0	4.0	3.5	3.2	4.1	4.2	3.9
133°	3.0	3.3	3.8	4.6	5.0	4.0	3.5	3.2	4.1	4.2	3.9
133.5°	3.0	3.4	3.9	4.7	5.0	3.9	3.5	3.2	4.1	4.2	3.9



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	3.2	3.6	4.1	5.0	4.8	3.9	3.5	3.2	4.0	4.3	3.8
135.5°	3.2	3.6	4.2	5.0	4.8	3.9	3.5	3.2	4.0	4.3	3.9
136°	3.3	3.7	4.3	5.1	4.8	3.9	3.5	3.2	4.0	4.3	3.9
136.5°	3.3	3.7	4.3	5.1	4.7	3.9	3.5	3.2	4.0	4.2	3.9
137°	3.4	3.8	4.4	5.1	4.7	3.9	3.5	3.2	4.0	4.2	3.9
137.5°	3.4	3.8	4.5	5.2	4.6	3.9	3.5	3.2	4.0	4.2	4.0
138°	3.5	3.9	4.6	5.2	4.6	3.9	3.5	3.2	3.9	4.2	4.0
138.5°	3.5	4.0	4.7	5.2	4.5	3.9	3.6	3.2	3.8	4.2	4.0
139°	3.6	4.1	4.8	5.2	4.4	3.9	3.6	3.2	3.7	4.2	4.0
139.5°	3.7	4.1	4.8	5.2	4.4	3.9	3.6	3.2	3.8	4.2	4.0
140°	3.7	4.2	4.9	5.2	4.3	3.9	3.6	3.2	3.8	4.2	4.0
140.5°	3.8	4.2	4.9	5.1	4.2	3.9	3.6	3.2	3.8	4.3	4.0
141°	3.8	4.3	5.0	5.1	4.2	3.9	3.6	3.2	3.8	4.3	4.0
141.5°	3.9	4.4	5.0	5.0	4.1	3.9	3.6	3.2	3.8	4.3	4.0
142°	4.0	4.5	5.0	4.9	4.1	3.9	3.6	3.1	3.8	4.3	4.0
142.5°	4.0	4.6	5.1	4.9	4.0	3.9	3.6	3.0	3.8	4.3	3.9
143°	4.1	4.7	5.1	4.8	4.0	3.9	3.5	3.0	3.8	4.2	3.9
143.5°	4.1	4.8	5.1	4.7	3.9	3.9	3.5	3.0	3.8	4.1	3.9
144°	4.2	4.8	5.1	4.6	3.9	3.9	3.5	3.1	3.8	4.1	4.0
144.5°	4.3	4.8	5.0	4.5	3.9	3.9	3.6	3.1	3.7	4.2	4.0
145°	4.5	4.8	5.0	4.5	3.9	3.8	3.6	3.1	3.7	4.3	4.0
145.5°	4.6	4.9	4.9	4.4	3.8	3.9	3.6	3.1	3.7	4.3	4.0
146°	4.7	4.8	4.9	4.3	3.8	3.9	3.6	3.1	3.6	4.4	4.0
146.5°	4.7	4.8	4.8	4.2	3.8	3.9	3.6	3.1	3.6	4.3	4.0
147°	4.7	4.8	4.7	4.1	3.8	3.9	3.5	3.1	3.6	4.3	4.1
147.5°	4.7	4.8	4.6	4.0	3.7	3.8	3.4	3.1	3.6	4.3	4.1
148°	4.6	4.8	4.5	4.0	3.7	3.7	3.4	3.1	3.6	4.3	4.1
148.5°	4.6	4.7	4.5	3.9	3.7	3.6	3.5	3.2	3.6	4.3	4.2
149°	4.6	4.7	4.4	3.8	3.7	3.7	3.5	3.1	3.5	4.2	4.2
149.5°	4.6	4.6	4.3	3.8	3.7	3.7	3.5	3.1	3.5	4.2	4.2
150°	4.5	4.5	4.2	3.7	3.6	3.7	3.5	3.1	3.5	4.2	4.2
150.5°	4.5	4.4	4.1	3.7	3.6	3.7	3.5	3.1	3.5	4.2	4.2
151°	4.5	4.3	4.0	3.6	3.5	3.6	3.4	3.1	3.5	4.1	4.1
151.5°	4.5	4.2	3.9	3.6	3.5	3.7	3.4	3.1	3.4	4.1	4.0
152°	4.4	4.1	3.8	3.5	3.6	3.7	3.4	3.1	3.4	4.0	4.1
152.5°	4.3	4.1	3.7	3.5	3.6	3.6	3.4	3.1	3.2	4.0	4.2
153°	4.2	4.0	3.6	3.5	3.6	3.6	3.3	3.0	3.1	3.9	4.2
153.5°	4.1	3.9	3.6	3.5	3.6	3.6	3.3	3.0	3.0	3.9	4.2
154°	4.0	3.8	3.5	3.4	3.6	3.6	3.3	2.9	3.0	3.8	4.2
154.5°	3.9	3.7	3.5	3.4	3.6	3.5	3.3	3.0	2.9	3.6	4.1
155°	3.8	3.6	3.4	3.4	3.6	3.4	3.3	2.9	2.9	3.5	4.0
155.5°	3.7	3.5	3.4	3.4	3.5	3.3	3.2	2.8	2.8	3.3	3.8
156°	3.7	3.5	3.3	3.4	3.4	3.3	3.2	2.7	2.8	3.2	3.6



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	3.4	3.3	3.3	3.4	3.3	3.2	2.7	2.7	2.8	3.1	3.6
158°	3.4	3.3	3.3	3.4	3.4	3.2	2.6	2.7	2.8	3.1	3.6
158.5°	3.3	3.2	3.3	3.4	3.5	3.2	2.6	2.7	2.8	3.0	3.5
159°	3.2	3.2	3.3	3.4	3.4	3.1	2.6	2.7	2.7	3.0	3.4
159.5°	3.2	3.2	3.3	3.3	3.3	3.1	2.6	2.6	2.7	3.0	3.3
160°	3.2	3.2	3.3	3.3	3.2	3.1	2.6	2.6	2.7	3.0	3.3
160.5°	3.2	3.2	3.3	3.2	3.2	3.2	2.6	2.6	2.7	2.9	3.3
161°	3.2	3.2	3.3	3.3	3.3	3.1	2.6	2.6	2.7	2.9	3.2
161.5°	3.2	3.2	3.3	3.3	3.3	2.9	2.6	2.6	2.7	2.9	3.2
162°	3.2	3.2	3.3	3.4	3.3	2.7	2.6	2.6	2.7	2.8	3.2
162.5°	3.2	3.2	3.3	3.4	3.2	2.6	2.6	2.6	2.7	2.8	3.1
163°	3.2	3.3	3.4	3.4	3.1	2.6	2.6	2.6	2.7	2.8	3.1
163.5°	3.2	3.3	3.4	3.4	2.9	2.6	2.6	2.6	2.7	2.8	3.0
164°	3.2	3.3	3.4	3.3	2.7	2.6	2.6	2.5	2.7	2.8	3.0
164.5°	3.2	3.3	3.4	3.2	2.7	2.5	2.6	2.5	2.7	2.7	3.0
165°	3.3	3.3	3.4	3.2	2.7	2.5	2.6	2.5	2.7	2.7	3.0
165.5°	3.3	3.3	3.4	3.1	2.6	2.5	2.6	2.5	2.6	2.7	2.9
166°	3.3	3.4	3.4	3.1	2.6	2.5	2.6	2.5	2.6	2.7	2.9
166.5°	3.3	3.4	3.4	3.1	2.6	2.5	2.6	2.5	2.6	2.7	2.9
167°	3.3	3.4	3.3	3.0	2.6	2.5	2.6	2.6	2.6	2.7	2.9
167.5°	3.4	3.4	3.3	2.8	2.6	2.6	2.6	2.6	2.6	2.7	2.9
168°	3.4	3.4	3.2	2.7	2.6	2.6	2.6	2.6	2.6	2.7	2.8
168.5°	3.4	3.4	3.2	2.7	2.6	2.6	2.6	2.6	2.6	2.7	2.8
169°	3.4	3.4	3.1	2.7	2.6	2.6	2.6	2.6	2.6	2.7	2.8
169.5°	3.4	3.3	3.1	2.6	2.6	2.6	2.7	2.6	2.6	2.7	2.8
170°	3.4	3.3	3.1	2.6	2.6	2.7	2.8	2.8	2.6	2.8	2.9
170.5°	3.4	3.2	2.8	2.6	2.6	2.8	2.9	2.9	2.6	2.9	3.2
171°	3.3	3.1	2.6	2.6	2.6	2.8	3.0	2.9	2.6	3.2	3.2
171.5°	3.3	3.1	2.6	2.5	2.6	2.9	3.0	2.9	2.9	3.1	3.2
172°	3.2	3.0	2.6	2.5	2.7	3.0	3.0	2.9	3.0	3.1	3.1
172.5°	3.2	2.9	2.6	2.5	2.7	3.0	3.0	3.0	2.9	3.1	3.1
173°	3.1	2.9	2.6	2.5	2.8	3.0	3.0	3.0	3.0	3.0	3.1
173.5°	3.1	2.8	2.6	2.6	2.8	3.0	3.0	3.0	3.0	3.0	3.1
174°	3.0	2.6	2.5	2.6	2.8	3.0	3.0	3.0	3.0	3.0	3.1
174.5°	2.9	2.5	2.5	2.6	3.0	3.0	3.0	3.0	3.0	3.0	3.1
175°	2.9	2.6	2.5	2.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0
175.5°	2.8	2.6	2.5	2.7	2.9	3.0	3.0	3.0	3.0	3.0	3.0
176°	2.8	2.6	2.6	2.7	2.9	3.0	3.0	3.0	3.0	3.0	3.0
176.5°	2.8	2.7	2.6	2.7	2.9	3.0	3.0	3.0	3.0	3.0	3.0
177°	2.9	2.7	2.6	2.7	2.9	3.0	3.0	3.0	3.0	3.0	3.0
177.5°	2.7	2.6	2.6	2.7	2.9	3.0	3.0	2.9	2.9	2.9	2.9
178°	2.6	2.4	2.4	2.5	2.7	2.9	2.9	2.9	2.9	2.9	2.9
178.5°	2.6	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.8	2.9	2.9



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5	1516.5
0.5°	1516.0	1516.0	1516.0	1516.1	1516.1	1516.1	1516.1	1516.2	1516.2	1516.2	1516.2
1°	1515.6	1515.5	1515.3	1515.0	1514.7	1514.5	1514.7	1515.0	1515.3	1515.7	1515.8
1.5°	1514.7	1514.8	1514.8	1514.6	1514.5	1514.4	1514.6	1514.8	1515.0	1515.2	1515.3
2°	1513.4	1513.4	1513.3	1513.0	1512.8	1512.7	1512.9	1513.3	1513.7	1514.1	1514.2
2.5°	1512.5	1512.4	1511.8	1511.1	1511.2	1511.5	1511.5	1511.6	1512.1	1512.8	1513.1
3°	1511.1	1510.9	1510.1	1509.8	1510.1	1510.3	1510.2	1510.2	1510.6	1511.2	1511.5
3.5°	1508.8	1508.6	1508.4	1507.9	1508.0	1508.6	1508.8	1509.0	1509.4	1509.9	1510.5
4°	1507.6	1507.4	1506.8	1506.3	1506.5	1507.0	1507.2	1507.3	1507.4	1508.0	1508.6
4.5°	1505.2	1504.9	1504.8	1504.8	1504.7	1504.4	1504.6	1505.0	1505.3	1506.3	1507.4
5°	1503.4	1503.1	1502.3	1501.9	1501.5	1501.3	1501.9	1502.7	1503.6	1504.8	1506.2
5.5°	1501.5	1500.7	1500.2	1499.6	1499.3	1499.6	1499.7	1500.3	1501.5	1503.0	1504.4
6°	1498.7	1498.1	1497.7	1497.2	1497.1	1496.8	1496.7	1497.3	1498.7	1499.9	1501.7
6.5°	1496.0	1495.0	1494.5	1494.2	1493.9	1494.1	1494.2	1495.0	1496.3	1497.6	1499.6
7°	1493.9	1492.9	1491.6	1490.9	1491.1	1491.4	1491.7	1492.4	1493.9	1495.0	1497.7
7.5°	1491.4	1490.3	1488.5	1488.0	1487.5	1486.9	1487.7	1489.0	1490.4	1492.2	1494.7
8°	1487.9	1487.1	1485.5	1484.5	1484.0	1484.1	1484.5	1485.7	1487.2	1488.9	1491.8
8.5°	1484.6	1483.0	1482.1	1481.2	1480.3	1480.6	1480.9	1482.3	1484.2	1486.0	1488.8
9°	1480.9	1479.5	1478.4	1477.2	1477.0	1476.9	1477.0	1478.3	1480.6	1483.2	1486.5
9.5°	1477.8	1476.2	1474.2	1473.3	1472.9	1472.7	1472.9	1474.5	1476.8	1479.6	1483.2
10°	1475.2	1472.5	1470.6	1469.2	1468.8	1468.8	1468.7	1470.4	1473.2	1476.1	1479.4
10.5°	1470.9	1468.7	1466.3	1464.7	1464.1	1463.4	1464.5	1466.5	1469.0	1472.4	1476.5
11°	1466.7	1464.4	1462.0	1460.6	1459.8	1459.6	1460.0	1461.7	1464.8	1468.0	1472.5
11.5°	1462.4	1459.8	1457.4	1455.7	1455.1	1454.4	1455.4	1457.2	1460.4	1464.7	1468.0
12°	1458.8	1455.2	1452.5	1451.0	1450.0	1449.6	1450.9	1453.1	1456.1	1460.7	1465.0
12.5°	1454.6	1450.9	1448.1	1446.4	1445.3	1444.2	1445.8	1448.0	1451.3	1455.8	1461.3
13°	1450.1	1445.9	1443.0	1440.9	1439.2	1438.8	1440.6	1442.8	1446.0	1451.1	1456.3
13.5°	1444.8	1440.6	1437.6	1435.3	1433.6	1433.4	1435.0	1437.1	1441.1	1446.0	1452.1
14°	1440.3	1435.7	1432.4	1429.9	1428.0	1428.6	1429.1	1431.8	1436.2	1441.9	1446.8
14.5°	1435.2	1430.1	1427.0	1424.5	1421.8	1422.2	1423.9	1426.2	1430.7	1436.7	1442.4
15°	1430.0	1424.9	1421.6	1418.3	1416.5	1416.2	1417.6	1420.8	1424.8	1430.9	1437.3
15.5°	1425.0	1419.6	1415.3	1412.0	1410.6	1409.8	1411.4	1414.5	1419.4	1425.5	1432.2
16°	1419.6	1414.0	1409.2	1405.5	1403.4	1403.2	1404.7	1408.2	1413.2	1419.6	1426.5
16.5°	1413.8	1408.1	1403.2	1399.2	1397.2	1397.4	1398.7	1401.8	1407.3	1413.8	1420.9
17°	1408.1	1402.0	1397.1	1393.2	1391.0	1390.6	1392.1	1395.4	1401.0	1408.4	1415.3
17.5°	1402.1	1395.8	1390.7	1386.5	1384.1	1383.4	1385.5	1388.6	1394.3	1402.1	1410.2
18°	1395.9	1389.2	1384.0	1379.4	1376.8	1375.9	1377.5	1382.3	1388.1	1395.8	1404.2
18.5°	1389.6	1382.9	1376.8	1371.9	1369.7	1369.3	1370.9	1375.4	1381.9	1389.5	1398.0
19°	1383.8	1375.8	1369.5	1364.7	1362.9	1361.4	1363.0	1367.8	1374.2	1382.7	1391.1
19.5°	1376.5	1368.9	1362.4	1357.3	1355.3	1353.9	1355.9	1360.2	1367.0	1376.2	1385.1
20°	1370.2	1362.3	1355.4	1349.9	1346.9	1346.4	1348.8	1353.0	1360.2	1369.4	1379.5
20.5°	1363.5	1355.1	1348.1	1342.1	1338.7	1338.4	1340.8	1345.9	1353.0	1362.5	1373.0
21°	1356.3	1348.0	1340.5	1334.2	1330.5	1330.4	1332.7	1337.8	1345.7	1355.7	1365.8



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1334.7	1324.8	1316.5	1310.2	1305.6	1304.9	1307.1	1312.6	1321.6	1333.4	1344.4
23°	1327.5	1317.0	1308.7	1301.6	1297.2	1296.9	1298.7	1304.6	1313.8	1325.6	1337.7
23.5°	1319.5	1308.6	1300.0	1293.0	1289.1	1287.5	1289.7	1295.8	1305.6	1317.4	1330.0
24°	1311.9	1300.7	1291.3	1283.5	1279.7	1278.1	1280.2	1287.4	1296.9	1309.1	1322.0
24.5°	1303.9	1292.6	1282.4	1274.4	1270.6	1268.5	1271.8	1279.3	1289.0	1301.1	1314.4
25°	1296.9	1284.3	1274.4	1265.9	1261.9	1259.5	1262.6	1270.3	1280.4	1292.9	1306.2
25.5°	1287.7	1275.5	1265.5	1256.7	1251.8	1250.2	1253.2	1260.5	1271.0	1284.3	1298.6
26°	1279.3	1266.6	1256.0	1247.6	1242.7	1240.5	1243.9	1251.2	1262.7	1276.2	1290.7
26.5°	1270.9	1258.0	1246.5	1238.0	1233.3	1231.0	1233.7	1241.9	1253.4	1267.5	1282.0
27°	1262.9	1249.7	1237.6	1228.0	1223.0	1221.6	1224.2	1232.2	1244.2	1258.4	1273.6
27.5°	1254.1	1239.8	1228.1	1218.1	1212.5	1211.9	1214.6	1222.4	1234.6	1249.9	1264.7
28°	1244.8	1230.7	1218.7	1208.3	1203.1	1201.5	1204.9	1213.5	1225.7	1240.7	1256.6
28.5°	1236.3	1222.0	1209.3	1199.1	1193.1	1191.2	1194.3	1203.3	1216.1	1231.2	1247.0
29°	1227.3	1212.2	1199.4	1188.6	1182.6	1181.6	1184.9	1192.7	1205.6	1221.6	1238.2
29.5°	1218.1	1202.4	1189.4	1178.4	1172.5	1170.6	1173.3	1182.7	1196.1	1212.7	1229.8
30°	1208.8	1192.7	1179.4	1168.3	1161.8	1160.1	1163.7	1172.9	1186.4	1203.4	1220.5
30.5°	1199.2	1183.3	1169.4	1157.9	1151.8	1149.5	1153.0	1162.3	1176.1	1193.3	1211.0
31°	1189.8	1173.4	1159.2	1147.6	1141.2	1138.9	1142.8	1152.2	1166.1	1183.4	1202.0
31.5°	1180.0	1163.5	1149.0	1137.0	1130.2	1127.8	1131.9	1141.9	1156.2	1174.0	1192.2
32°	1170.1	1153.7	1138.9	1126.0	1119.1	1116.8	1121.0	1130.9	1146.2	1164.1	1182.8
32.5°	1160.9	1143.6	1128.2	1114.9	1108.1	1105.8	1110.0	1120.0	1135.8	1154.3	1173.1
33°	1150.8	1133.0	1117.6	1103.8	1097.1	1094.8	1099.1	1109.0	1124.9	1144.3	1163.6
33.5°	1140.3	1122.4	1107.0	1092.7	1086.0	1083.8	1088.2	1098.1	1114.2	1134.0	1153.7
34°	1131.7	1112.0	1096.6	1082.3	1074.3	1072.6	1076.3	1087.1	1103.4	1123.6	1143.7
34.5°	1121.0	1101.5	1085.8	1071.8	1063.4	1060.9	1065.3	1076.5	1092.7	1113.1	1134.1
35°	1110.4	1090.8	1074.0	1060.5	1052.2	1049.5	1054.2	1065.6	1082.0	1102.6	1123.9
35.5°	1099.9	1080.2	1063.2	1049.4	1040.9	1038.2	1042.8	1054.6	1070.8	1092.1	1113.7
36°	1089.3	1069.6	1052.5	1037.6	1029.1	1026.6	1031.2	1042.3	1059.8	1081.7	1103.4
36.5°	1078.6	1058.6	1040.5	1026.2	1017.2	1015.2	1019.7	1031.4	1048.5	1070.2	1093.2
37°	1067.8	1047.0	1029.5	1015.0	1005.5	1003.0	1007.9	1020.2	1037.4	1059.2	1082.4
37.5°	1057.0	1036.0	1018.3	1003.6	994.7	991.5	996.5	1008.4	1025.8	1048.1	1071.7
38°	1045.8	1024.7	1006.6	991.3	982.4	980.4	984.5	997.1	1015.0	1037.2	1060.3
38.5°	1034.9	1013.8	995.2	980.0	970.9	967.8	973.1	985.4	1003.5	1026.3	1049.6
39°	1024.0	1002.7	983.6	968.3	959.3	956.5	961.7	974.0	992.2	1015.1	1038.9
39.5°	1012.8	991.6	972.4	956.6	947.8	944.5	949.3	962.1	980.5	1003.7	1028.1
40°	1002.0	980.0	960.9	945.2	935.5	932.8	937.9	950.5	968.9	992.5	1017.0
40.5°	990.8	968.6	949.3	933.2	923.6	920.8	925.4	938.3	957.9	981.1	1006.2
41°	979.7	957.0	937.5	921.1	911.8	908.9	914.3	927.1	946.0	969.9	994.7
41.5°	968.2	945.7	926.0	909.8	900.0	897.3	901.9	915.3	934.6	958.5	983.6
42°	956.7	934.0	914.0	897.9	887.7	885.1	890.4	903.2	922.8	946.7	972.9
42.5°	945.8	922.8	902.3	886.1	876.0	873.4	878.4	891.7	911.5	935.0	960.9
43°	934.5	910.8	890.9	874.2	863.7	861.7	866.9	880.0	899.8	924.0	949.9
43.5°	922.8	899.5	879.0	862.1	852.4	849.5	854.7	867.7	887.4	912.5	938.4



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	888.0	863.9	843.3	826.8	817.1	813.7	818.7	832.5	852.0	877.5	904.1
45.5°	876.4	852.5	832.1	814.8	805.0	802.0	807.4	820.8	840.4	865.7	892.3
46°	864.7	841.0	820.0	803.3	793.0	790.7	795.7	809.3	829.2	854.0	880.9
46.5°	853.0	829.1	808.3	791.5	781.4	778.7	783.8	797.7	817.6	842.3	869.0
47°	841.5	817.1	796.4	779.7	769.3	766.8	772.2	785.5	805.6	830.5	857.8
47.5°	829.4	805.5	784.9	768.0	757.8	755.4	760.4	773.8	793.7	818.9	845.9
48°	817.4	794.0	772.6	756.1	746.3	743.3	748.3	761.9	782.0	807.0	834.0
48.5°	805.7	782.1	761.3	744.7	734.8	731.8	737.1	750.3	770.2	795.3	822.0
49°	794.1	770.2	749.6	733.2	722.8	720.1	725.8	739.0	759.1	784.1	810.3
49.5°	782.9	758.5	738.2	721.7	711.2	709.1	714.0	727.4	746.9	772.1	799.0
50°	770.1	746.8	726.2	709.8	699.7	697.3	702.9	715.6	735.8	760.2	787.4
50.5°	759.0	735.1	714.1	698.1	688.7	686.0	690.7	703.8	723.9	748.4	775.4
51°	747.0	723.1	703.1	686.9	677.0	675.1	679.7	692.6	712.0	736.8	763.9
51.5°	735.0	711.6	691.7	675.7	665.6	663.5	668.6	681.7	700.8	725.3	751.9
52°	722.9	700.3	680.3	664.4	654.4	652.2	657.3	670.5	689.5	714.2	740.2
52.5°	711.3	688.7	668.8	652.9	643.5	641.5	646.0	659.1	678.3	702.4	728.5
53°	699.7	677.0	657.0	641.5	632.1	630.4	635.0	647.7	666.7	690.7	716.8
53.5°	688.0	665.5	645.5	630.4	620.9	619.0	624.3	636.3	655.5	679.2	705.7
54°	676.3	654.0	634.1	619.3	610.0	607.5	612.6	624.9	643.9	667.6	693.8
54.5°	664.6	642.2	622.9	608.0	598.9	597.0	602.1	614.0	632.7	656.0	681.7
55°	652.8	630.4	611.7	597.2	587.9	586.0	590.9	603.1	621.4	644.9	670.1
55.5°	641.5	619.2	600.5	586.0	577.6	575.5	580.3	592.0	610.2	633.4	658.1
56°	629.5	607.7	589.2	575.2	566.5	564.8	569.5	580.9	598.8	622.0	646.8
56.5°	617.7	596.1	578.4	564.4	555.5	553.8	558.9	570.3	588.1	610.6	635.0
57°	606.2	584.9	567.0	553.5	545.0	543.5	548.2	559.8	576.8	599.0	623.5
57.5°	594.2	573.9	556.3	542.5	534.3	532.7	537.1	548.6	565.9	587.6	611.7
58°	582.8	562.4	545.2	531.9	524.2	522.3	527.0	537.9	554.8	576.2	600.3
58.5°	571.0	551.5	534.4	521.2	513.5	512.1	516.5	527.3	544.1	565.3	589.1
59°	559.6	540.3	523.4	510.8	502.9	501.5	506.0	516.8	533.2	554.2	577.5
59.5°	548.2	528.9	512.9	500.1	492.4	491.2	496.2	506.3	522.7	542.9	566.0
60°	536.6	518.1	502.3	489.5	482.6	481.4	485.6	495.8	511.7	531.9	554.2
60.5°	525.3	507.0	491.4	479.1	472.2	470.9	475.2	485.3	501.2	520.9	542.5
61°	513.6	496.0	480.7	468.8	461.9	460.9	464.9	475.1	490.4	509.9	531.6
61.5°	502.3	485.0	470.3	459.0	452.6	450.9	455.2	465.0	480.1	498.9	519.9
62°	490.7	474.1	460.0	448.5	442.0	441.1	445.1	455.0	469.4	488.2	508.6
62.5°	479.8	463.4	449.4	438.4	432.0	431.4	435.2	444.7	459.1	477.4	497.3
63°	468.6	452.7	438.7	428.2	422.3	421.4	425.3	434.6	448.6	466.4	486.1
63.5°	457.6	441.8	428.4	418.2	412.7	411.7	415.6	424.6	438.3	455.9	475.2
64°	446.1	431.1	418.7	408.4	403.0	402.1	405.7	414.8	427.9	445.2	463.8
64.5°	435.1	420.5	408.3	398.4	393.1	392.6	396.3	404.8	417.8	434.4	452.8
65°	424.0	410.0	398.0	388.8	383.8	383.0	386.8	395.2	407.8	423.9	441.7
65.5°	413.0	399.6	388.4	379.2	374.2	373.6	377.3	385.4	397.9	413.3	430.7
66°	402.4	389.2	378.5	369.3	364.5	364.0	367.4	375.5	387.7	403.0	419.6



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	369.3	357.9	348.3	340.9	336.8	336.4	339.8	347.1	357.9	371.8	386.7
68°	358.6	347.9	338.6	331.4	327.8	327.5	330.7	337.8	348.0	361.6	376.3
68.5°	348.1	337.6	328.9	322.3	318.7	318.2	321.5	328.6	338.6	351.5	365.7
69°	337.4	327.5	319.4	313.1	309.7	309.5	312.5	319.3	329.0	341.3	355.2
69.5°	326.8	317.6	309.8	303.8	300.4	300.4	303.4	310.1	319.3	331.1	344.3
70°	316.5	307.7	300.5	294.6	291.7	291.9	294.7	300.9	309.8	321.1	333.7
70.5°	305.7	297.8	291.0	285.8	283.1	283.2	286.0	291.8	300.3	311.3	322.9
71°	295.5	288.0	281.9	277.0	274.4	274.5	277.2	282.9	291.1	301.3	312.9
71.5°	285.4	278.4	272.6	268.1	265.6	265.8	268.6	273.9	281.9	291.6	302.3
72°	275.2	268.8	263.5	259.3	257.2	257.6	260.1	265.2	272.7	282.1	292.2
72.5°	264.9	259.3	254.5	250.7	248.8	249.1	251.7	256.6	263.6	272.4	281.8
73°	255.0	249.9	245.4	242.0	240.3	240.7	243.1	247.9	254.3	262.8	272.2
73.5°	245.0	240.5	236.4	233.5	232.2	232.4	235.0	239.2	245.6	253.3	261.9
74°	235.0	231.2	227.8	225.3	223.9	224.7	226.7	230.9	236.8	244.1	251.8
74.5°	225.3	222.1	219.1	217.1	215.9	216.6	218.7	222.7	228.1	234.7	241.8
75°	215.8	213.2	210.7	208.7	207.9	208.6	210.7	214.3	219.4	225.6	232.4
75.5°	206.4	204.2	202.0	200.7	200.1	200.8	202.7	206.1	210.7	216.4	222.7
76°	196.8	195.4	194.0	192.6	192.1	193.0	194.8	198.1	202.5	207.5	213.2
76.5°	187.6	186.6	185.7	184.8	184.6	185.3	187.2	190.2	194.0	198.6	203.6
77°	178.6	178.0	177.8	177.1	177.0	177.9	179.6	182.3	185.8	189.8	194.4
77.5°	169.4	169.7	169.6	169.6	169.8	170.6	172.3	174.6	177.8	181.3	184.7
78°	160.6	161.6	161.9	162.1	162.7	163.5	164.9	167.2	170.0	172.9	175.9
78.5°	152.1	153.7	154.3	154.8	155.5	156.5	157.8	159.8	162.0	164.6	166.9
79°	143.6	145.6	146.8	147.7	148.5	149.5	150.8	152.6	154.4	156.4	158.3
79.5°	135.6	138.0	139.7	140.9	141.8	142.8	144.2	145.5	147.0	148.5	149.3
80°	127.6	130.9	133.0	134.4	135.6	136.4	137.4	138.5	139.9	140.6	141.1
80.5°	119.7	123.7	126.3	128.1	129.4	130.2	131.2	132.0	133.2	133.2	133.2
81°	111.7	116.6	119.6	121.8	123.2	124.1	125.0	125.8	126.5	126.1	125.4
81.5°	104.3	109.4	112.9	115.5	117.0	118.0	118.9	119.5	119.7	118.9	117.5
82°	97.4	102.5	106.3	109.1	110.9	111.9	112.7	113.3	113.0	111.7	109.7
82.5°	90.3	96.1	100.1	103.1	105.1	106.2	107.0	107.1	106.3	104.8	102.0
83°	83.5	89.7	94.1	97.3	99.4	100.7	101.2	101.1	100.1	98.1	95.0
83.5°	77.1	83.5	88.4	91.7	93.8	95.0	95.6	95.4	94.1	91.6	87.9
84°	70.9	77.6	82.7	86.3	88.5	89.8	90.3	89.9	88.2	85.3	81.3
84.5°	64.9	72.1	77.3	81.0	83.4	84.6	85.1	84.4	82.7	79.4	74.7
85°	59.4	66.7	72.1	75.9	78.4	79.7	80.0	79.2	77.1	73.7	68.6
85.5°	54.1	61.5	67.1	71.1	73.6	74.8	75.0	74.2	71.9	68.2	62.8
86°	49.1	56.5	62.3	66.5	69.0	70.2	70.5	69.5	66.8	62.8	57.2
86.5°	44.3	52.0	57.9	62.0	64.5	65.8	66.0	64.8	62.2	57.8	51.8
87°	39.9	47.7	53.5	57.7	60.4	61.7	61.7	60.4	57.6	53.1	46.9
87.5°	35.8	43.5	49.5	53.8	56.4	57.7	57.6	56.3	53.3	48.6	42.3
88°	32.2	39.8	45.7	50.0	52.6	53.8	53.8	52.3	49.2	44.5	38.0
88.5°	28.8	36.3	42.1	46.4	49.0	50.2	50.1	48.5	45.4	40.6	34.1



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	20.5	27.3	32.9	36.9	39.5	40.6	40.4	38.6	35.3	30.5	24.1
90.5°	18.4	24.9	30.3	34.3	36.8	37.8	37.5	35.8	32.5	27.7	21.4
91°	16.6	22.7	27.9	31.8	34.2	35.2	34.9	33.2	29.9	25.1	19.1
91.5°	15.0	20.8	25.8	29.5	31.9	32.8	32.5	30.8	27.5	22.9	17.1
92°	14.1	19.2	23.8	27.4	29.7	30.7	30.3	28.5	25.4	20.9	15.4
92.5°	13.2	17.7	22.1	25.6	27.8	28.6	28.2	26.5	23.4	19.2	14.3
93°	12.3	16.4	20.7	23.9	26.0	26.8	26.4	24.7	21.7	17.6	13.3
93.5°	11.4	15.4	19.4	22.4	24.4	25.2	24.8	23.1	20.3	16.4	12.3
94°	10.4	14.6	18.3	21.2	23.0	23.8	23.3	21.7	19.0	15.3	11.3
94.5°	9.9	13.9	17.4	20.1	21.9	22.5	22.1	20.5	17.9	14.3	10.3
95°	9.6	13.3	16.5	19.1	20.8	21.4	20.9	19.4	16.9	13.6	9.8
95.5°	9.2	12.7	15.8	18.3	19.8	20.3	19.9	18.5	16.1	12.9	9.4
96°	8.9	12.3	15.2	17.5	18.9	19.4	19.0	17.6	15.3	12.4	9.0
96.5°	8.6	12.0	14.6	16.8	18.2	18.7	18.2	17.0	14.7	11.9	8.7
97°	8.5	11.6	14.2	16.2	17.5	17.9	17.6	16.4	14.2	11.5	8.3
97.5°	8.3	11.2	13.7	15.6	16.9	17.3	17.0	15.8	13.8	11.0	8.0
98°	8.2	10.9	13.3	15.2	16.3	16.7	16.5	15.4	13.4	10.6	7.6
98.5°	8.0	10.6	12.9	14.7	15.9	16.3	16.0	14.9	13.0	10.2	7.3
99°	7.9	10.4	12.6	14.3	15.4	15.8	15.5	14.4	12.5	9.8	7.2
99.5°	7.8	10.2	12.3	14.0	15.0	15.4	15.0	13.9	12.2	9.5	7.1
100°	7.7	10.1	12.1	13.6	14.6	15.0	14.6	13.5	11.8	9.2	7.0
100.5°	7.6	9.9	11.9	13.4	14.3	14.6	14.2	13.1	11.4	9.1	6.9
101°	7.5	9.8	11.7	13.1	14.0	14.3	13.8	12.8	11.1	9.0	6.9
101.5°	7.4	9.7	11.5	12.8	13.7	13.9	13.5	12.4	10.7	8.9	6.8
102°	7.2	9.5	11.3	12.6	13.4	13.6	13.2	12.2	10.6	8.7	6.6
102.5°	7.1	9.4	11.1	12.4	13.1	13.4	12.9	12.0	10.5	8.7	6.5
103°	6.9	9.3	10.9	12.2	12.9	13.2	12.8	11.9	10.3	8.6	6.4
103.5°	6.8	9.1	10.8	12.0	12.7	13.0	12.6	11.7	10.2	8.5	6.2
104°	6.6	9.0	10.6	11.8	12.5	12.8	12.4	11.6	10.1	8.3	6.0
104.5°	6.5	8.8	10.5	11.6	12.3	12.6	12.3	11.4	10.0	8.2	5.8
105°	6.4	8.6	10.3	11.5	12.2	12.5	12.1	11.3	9.9	8.0	5.7
105.5°	6.2	8.4	10.1	11.3	12.0	12.3	12.0	11.1	9.7	7.9	5.5
106°	6.1	8.2	9.9	11.1	11.8	12.2	11.9	11.0	9.6	7.7	5.3
106.5°	6.0	8.1	9.7	10.9	11.6	12.0	11.7	10.8	9.4	7.4	5.2
107°	5.8	7.9	9.5	10.7	11.4	11.8	11.5	10.6	9.2	7.2	5.0
107.5°	5.7	7.7	9.3	10.5	11.2	11.6	11.3	10.4	9.0	7.0	4.9
108°	5.5	7.6	9.1	10.3	11.0	11.3	11.1	10.2	8.7	6.8	4.8
108.5°	5.4	7.4	8.9	10.1	10.8	11.1	10.9	10.0	8.5	6.7	4.7
109°	5.2	7.3	8.8	9.9	10.6	10.9	10.7	9.7	8.3	6.5	4.6
109.5°	5.1	7.1	8.6	9.6	10.3	10.7	10.4	9.5	8.1	6.3	4.4
110°	4.9	6.9	8.3	9.4	10.1	10.4	10.2	9.2	7.8	6.1	4.3
110.5°	4.8	6.7	8.1	9.2	9.9	10.2	9.9	9.0	7.6	6.0	4.2
111°	4.6	6.5	8.0	9.0	9.6	9.9	9.7	8.8	7.4	5.9	4.1



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	4.1	6.0	7.5	8.4	9.0	9.2	9.0	8.2	6.9	5.5	3.7
113°	4.0	5.8	7.3	8.2	8.8	9.0	8.8	8.0	6.7	5.3	3.5
113.5°	3.8	5.7	7.1	8.0	8.6	8.8	8.6	7.8	6.5	5.2	3.4
114°	3.7	5.5	7.0	7.8	8.4	8.6	8.4	7.6	6.3	5.1	3.3
114.5°	3.6	5.3	6.8	7.7	8.2	8.4	8.2	7.4	6.2	4.9	3.2
115°	3.5	5.1	6.6	7.5	8.0	8.2	8.0	7.2	6.0	4.8	3.1
115.5°	3.4	4.9	6.4	7.4	7.8	8.0	7.8	7.0	5.9	4.6	3.0
116°	3.3	4.7	6.2	7.2	7.7	7.8	7.6	6.8	5.7	4.4	3.0
116.5°	3.3	4.5	6.0	7.0	7.5	7.6	7.4	6.6	5.5	4.3	2.9
117°	3.2	4.4	5.8	6.8	7.4	7.4	7.2	6.4	5.3	4.1	2.9
117.5°	3.2	4.2	5.6	6.6	7.2	7.2	7.0	6.2	5.2	4.0	2.8
118°	3.2	4.1	5.3	6.4	7.0	7.1	6.8	6.1	5.0	3.9	2.8
118.5°	3.1	4.0	5.1	6.2	6.8	6.9	6.6	5.9	4.7	3.8	2.7
119°	3.0	3.8	4.9	6.0	6.6	6.7	6.4	5.7	4.6	3.6	2.6
119.5°	2.9	3.7	4.7	5.8	6.4	6.5	6.2	5.5	4.4	3.5	2.4
120°	2.8	3.6	4.6	5.5	6.2	6.3	6.0	5.2	4.2	3.4	2.3
120.5°	2.6	3.5	4.4	5.3	5.9	6.1	5.8	5.0	4.1	3.3	2.3
121°	2.5	3.5	4.3	5.1	5.7	5.8	5.6	4.9	4.0	3.2	2.2
121.5°	2.5	3.4	4.2	4.9	5.4	5.6	5.3	4.7	3.8	3.2	2.2
122°	2.5	3.3	4.0	4.7	5.2	5.4	5.2	4.5	3.7	3.1	2.2
122.5°	2.5	3.3	3.9	4.6	5.0	5.2	5.0	4.4	3.6	3.0	2.2
123°	2.6	3.2	3.8	4.4	4.8	5.0	4.8	4.2	3.5	2.8	2.3
123.5°	2.6	3.1	3.7	4.3	4.7	4.8	4.6	4.1	3.4	2.7	2.3
124°	2.7	3.0	3.6	4.2	4.5	4.6	4.5	4.0	3.3	2.5	2.4
124.5°	2.7	2.8	3.5	4.1	4.4	4.5	4.3	3.9	3.2	2.4	2.4
125°	2.8	2.7	3.4	4.0	4.3	4.4	4.2	3.8	3.2	2.3	2.4
125.5°	2.8	2.5	3.4	3.9	4.1	4.2	4.1	3.7	3.1	2.2	2.5
126°	2.9	2.4	3.3	3.8	4.0	4.1	4.0	3.6	2.9	2.1	2.5
126.5°	2.9	2.4	3.1	3.7	3.9	4.0	3.9	3.5	2.8	2.1	2.6
127°	3.0	2.5	3.0	3.6	3.8	3.9	3.8	3.5	2.6	2.1	2.6
127.5°	3.0	2.5	2.9	3.5	3.8	3.8	3.7	3.4	2.5	2.1	2.6
128°	3.1	2.6	2.7	3.4	3.7	3.7	3.6	3.2	2.4	2.2	2.6
128.5°	3.1	2.6	2.6	3.2	3.6	3.6	3.5	3.1	2.3	2.2	2.6
129°	3.2	2.6	2.4	3.1	3.5	3.5	3.4	2.9	2.2	2.2	2.6
129.5°	3.2	2.7	2.4	2.9	3.3	3.4	3.3	2.7	2.2	2.3	2.6
130°	3.2	2.7	2.4	2.8	3.2	3.3	3.1	2.6	2.2	2.3	2.6
130.5°	3.3	2.8	2.5	2.6	3.0	3.1	2.9	2.5	2.2	2.4	2.7
131°	3.3	2.8	2.5	2.5	2.9	2.9	2.8	2.4	2.3	2.4	2.7
131.5°	3.3	2.9	2.6	2.4	2.7	2.8	2.7	2.3	2.3	2.5	2.7
132°	3.4	2.9	2.6	2.4	2.5	2.6	2.5	2.3	2.4	2.5	2.7
132.5°	3.4	3.0	2.6	2.4	2.4	2.5	2.4	2.3	2.4	2.6	2.8
133°	3.5	3.0	2.7	2.5	2.4	2.4	2.4	2.4	2.5	2.6	2.9
133.5°	3.6	3.1	2.7	2.5	2.4	2.3	2.4	2.4	2.5	2.7	3.0



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	3.7	3.2	2.8	2.6	2.5	2.4	2.5	2.5	2.6	2.9	3.2
135.5°	3.8	3.3	2.9	2.7	2.5	2.5	2.5	2.6	2.7	2.9	3.2
136°	3.9	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.7	2.9	3.3
136.5°	3.9	3.4	3.0	2.7	2.6	2.6	2.6	2.6	2.8	3.0	3.3
137°	3.9	3.4	3.0	2.8	2.7	2.6	2.6	2.7	2.8	3.0	3.3
137.5°	3.9	3.5	3.1	2.8	2.7	2.6	2.7	2.7	2.9	3.1	3.2
138°	3.8	3.5	3.1	2.9	2.7	2.7	2.7	2.7	2.9	3.2	3.2
138.5°	3.8	3.6	3.2	2.9	2.8	2.7	2.8	2.8	3.0	3.3	3.1
139°	3.7	3.7	3.2	2.9	2.8	2.7	2.8	2.8	3.1	3.4	3.1
139.5°	3.7	3.7	3.3	3.0	2.9	2.8	2.8	2.9	3.1	3.4	3.1
140°	3.7	3.7	3.3	3.0	2.9	2.8	2.9	2.9	3.2	3.4	3.1
140.5°	3.7	3.8	3.4	3.1	2.9	2.9	2.9	3.0	3.3	3.5	3.1
141°	3.7	3.8	3.5	3.1	3.0	2.9	3.0	3.1	3.4	3.5	3.0
141.5°	3.7	3.9	3.6	3.2	3.0	3.0	3.0	3.1	3.5	3.5	3.0
142°	3.7	3.9	3.7	3.3	3.1	3.0	3.1	3.2	3.5	3.5	3.0
142.5°	3.7	3.8	3.7	3.3	3.1	3.1	3.1	3.3	3.6	3.4	3.1
143°	3.7	3.7	3.7	3.5	3.2	3.1	3.2	3.4	3.6	3.3	3.1
143.5°	3.7	3.6	3.8	3.6	3.3	3.2	3.3	3.5	3.6	3.3	3.1
144°	3.7	3.6	3.8	3.7	3.4	3.3	3.4	3.6	3.6	3.3	3.1
144.5°	3.7	3.6	3.9	3.7	3.5	3.4	3.6	3.7	3.6	3.3	3.1
145°	3.7	3.6	3.8	3.7	3.6	3.6	3.7	3.7	3.6	3.2	3.1
145.5°	3.7	3.6	3.7	3.8	3.7	3.7	3.7	3.7	3.5	3.2	3.0
146°	3.7	3.6	3.6	3.8	3.7	3.7	3.7	3.8	3.4	3.2	3.0
146.5°	3.7	3.6	3.6	3.8	3.8	3.7	3.8	3.8	3.4	3.2	3.0
147°	3.7	3.6	3.6	3.7	3.8	3.8	3.8	3.7	3.4	3.2	3.0
147.5°	3.7	3.6	3.6	3.6	3.8	3.9	3.8	3.6	3.4	3.2	3.0
148°	3.7	3.6	3.6	3.6	3.7	3.8	3.8	3.5	3.4	3.2	3.0
148.5°	3.7	3.6	3.6	3.6	3.6	3.7	3.7	3.5	3.4	3.2	3.0
149°	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.2	3.0
149.5°	3.8	3.6	3.6	3.6	3.5	3.6	3.6	3.5	3.4	3.2	3.0
150°	3.7	3.6	3.6	3.6	3.5	3.6	3.6	3.5	3.4	3.1	3.0
150.5°	3.7	3.6	3.6	3.6	3.5	3.6	3.6	3.5	3.4	3.1	3.0
151°	3.6	3.6	3.6	3.6	3.5	3.6	3.5	3.5	3.3	3.1	3.0
151.5°	3.7	3.5	3.5	3.6	3.5	3.5	3.6	3.5	3.3	3.1	3.0
152°	3.8	3.5	3.5	3.6	3.5	3.6	3.6	3.5	3.3	3.1	3.0
152.5°	3.9	3.5	3.5	3.5	3.5	3.6	3.6	3.4	3.3	3.1	3.0
153°	3.9	3.5	3.5	3.5	3.5	3.6	3.6	3.4	3.3	3.1	3.0
153.5°	3.9	3.5	3.5	3.5	3.5	3.6	3.5	3.4	3.3	3.1	3.1
154°	3.9	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.1	3.1
154.5°	3.9	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.1	3.1
155°	4.0	3.7	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.2	3.1
155.5°	3.9	3.8	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.2	3.2
156°	3.8	3.8	3.5	3.5	3.4	3.5	3.5	3.4	3.3	3.2	3.2



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	4.0	3.7	3.7	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.3
158°	3.8	3.7	3.7	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3
158.5°	3.6	3.6	3.7	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.3
159°	3.5	3.6	3.7	3.6	3.5	3.5	3.5	3.6	3.5	3.5	3.4
159.5°	3.5	3.6	3.8	3.7	3.6	3.6	3.6	3.6	3.6	3.5	3.4
160°	3.5	3.6	3.9	3.7	3.6	3.6	3.6	3.6	3.7	3.6	3.5
160.5°	3.4	3.6	3.9	3.8	3.7	3.6	3.6	3.7	3.7	3.6	3.5
161°	3.4	3.6	3.8	3.8	3.7	3.7	3.7	3.7	3.8	3.7	3.5
161.5°	3.4	3.5	3.7	3.9	3.8	3.7	3.8	3.8	3.8	3.7	3.6
162°	3.4	3.4	3.6	3.9	3.8	3.8	3.8	3.9	3.9	3.8	3.6
162.5°	3.4	3.4	3.6	3.9	3.9	3.8	3.9	3.9	3.9	3.8	3.5
163°	3.3	3.4	3.6	3.9	3.9	3.9	3.9	3.9	4.0	3.8	3.5
163.5°	3.3	3.4	3.5	3.8	4.0	4.0	4.0	4.0	4.0	3.8	3.6
164°	3.3	3.4	3.4	3.7	4.0	4.0	4.0	4.0	4.0	3.9	3.6
164.5°	3.3	3.4	3.4	3.7	4.0	4.0	4.1	4.1	4.0	4.0	3.1
165°	3.2	3.4	3.4	3.7	4.0	4.1	4.1	4.1	4.0	3.7	3.0
165.5°	3.2	3.4	3.4	3.6	4.0	4.1	4.1	4.1	4.0	3.1	3.4
166°	3.1	3.4	3.4	3.4	3.9	4.1	4.1	4.1	4.0	3.2	3.6
166.5°	3.1	3.4	3.4	3.4	3.9	4.1	4.1	4.2	4.0	3.7	3.1
167°	3.1	3.6	3.4	3.3	3.8	4.1	4.1	4.2	3.5	3.6	2.8
167.5°	3.1	3.6	3.5	3.3	3.7	4.1	4.1	4.2	3.2	3.0	3.2
168°	3.2	3.6	3.6	3.3	3.7	4.1	4.1	4.1	3.5	2.8	3.5
168.5°	3.3	3.7	3.8	3.3	3.4	4.1	4.1	4.1	3.8	3.5	3.3
169°	3.3	3.6	3.8	3.4	3.3	4.0	4.0	4.0	3.0	3.6	3.2
169.5°	3.2	3.6	3.7	3.5	3.2	3.9	4.0	3.7	2.7	3.5	3.4
170°	3.3	3.5	3.7	3.6	3.2	3.8	4.0	3.2	3.6	3.5	3.4
170.5°	3.3	3.5	3.6	3.7	3.2	3.7	3.9	3.1	3.6	3.6	3.4
171°	3.3	3.4	3.5	3.6	3.2	3.6	3.9	3.1	3.4	3.5	3.3
171.5°	3.3	3.4	3.5	3.6	3.2	3.5	3.8	2.7	3.6	3.5	3.3
172°	3.2	3.3	3.4	3.5	3.4	3.1	3.7	2.9	3.6	3.4	3.3
172.5°	3.2	3.3	3.4	3.5	3.4	3.1	3.6	3.3	3.5	3.4	3.2
173°	3.2	3.2	3.3	3.4	3.4	3.0	3.4	3.3	3.4	3.3	3.1
173.5°	3.1	3.2	3.3	3.4	3.4	3.0	2.9	3.3	3.3	3.2	3.0
174°	3.1	3.2	3.2	3.3	3.3	2.9	2.5	3.3	3.2	3.1	3.0
174.5°	3.1	3.1	3.2	3.2	3.3	2.8	2.3	3.2	3.1	3.0	3.0
175°	3.1	3.1	3.1	3.2	3.2	2.8	2.7	3.1	3.0	3.0	2.9
175.5°	3.1	3.1	3.1	3.1	3.2	2.8	3.1	3.0	3.0	2.9	2.9
176°	3.0	3.1	3.1	3.1	3.1	2.7	3.0	2.9	2.9	2.9	2.9
176.5°	3.0	3.0	3.0	3.0	3.0	2.7	2.9	2.9	2.9	2.9	2.9
177°	3.0	2.9	2.9	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9
177.5°	2.9	2.9	2.9	2.8	2.9	1.1	2.9	2.9	2.9	2.9	2.9
178°	2.9	2.9	2.9	2.9	2.9	1.7	2.9	2.9	2.9	2.9	2.9
178.5°	2.9	2.9	2.9	2.9	2.6	2.3	2.7	2.9	2.9	2.9	2.9



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1516.5	1516.5	1516.5	1516.5
0.5°	1516.2	1516.2	1516.2	1516.2
1°	1515.9	1516.0	1515.9	1516.0
1.5°	1515.6	1515.7	1515.7	1516.0
2°	1514.4	1515.0	1515.6	1515.8
2.5°	1513.1	1513.4	1514.7	1515.2
3°	1511.9	1512.9	1514.0	1514.1
3.5°	1511.3	1512.6	1512.9	1513.1
4°	1510.2	1511.8	1511.8	1512.5
4.5°	1508.1	1509.8	1510.2	1510.8
5°	1506.9	1508.0	1509.2	1509.9
5.5°	1505.8	1506.3	1507.8	1508.9
6°	1503.3	1505.3	1506.1	1507.7
6.5°	1501.1	1502.4	1504.4	1506.1
7°	1499.9	1500.4	1503.2	1504.6
7.5°	1497.1	1498.9	1499.9	1502.5
8°	1494.2	1496.2	1498.7	1500.9
8.5°	1491.1	1493.4	1496.5	1498.1
9°	1488.7	1490.8	1493.7	1496.5
9.5°	1485.8	1488.1	1490.9	1493.7
10°	1482.2	1484.6	1488.4	1490.7
10.5°	1479.2	1482.3	1484.9	1488.0
11°	1475.7	1479.7	1482.8	1484.8
11.5°	1472.1	1476.1	1479.9	1481.6
12°	1468.6	1472.5	1476.9	1478.5
12.5°	1464.4	1468.7	1473.1	1475.6
13°	1460.2	1464.7	1469.5	1472.1
13.5°	1456.2	1460.8	1466.0	1468.2
14°	1451.9	1456.9	1461.8	1464.6
14.5°	1447.3	1453.3	1457.6	1460.9
15°	1442.6	1448.6	1453.4	1456.6
15.5°	1437.6	1443.7	1449.1	1452.8
16°	1432.5	1439.1	1445.2	1448.1
16.5°	1427.4	1434.1	1441.0	1442.9
17°	1422.5	1429.1	1435.8	1438.1
17.5°	1417.1	1424.2	1430.2	1434.1
18°	1411.9	1419.3	1425.3	1429.6
18.5°	1406.4	1414.2	1420.4	1424.1
19°	1400.4	1408.6	1415.1	1418.8
19.5°	1393.7	1402.9	1409.7	1413.5
20°	1387.7	1397.0	1403.9	1408.2
20.5°	1382.0	1390.7	1398.3	1402.8
21°	1376.1	1384.5	1392.1	1397.4



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1355.4	1365.6	1374.3	1378.8
23°	1348.4	1359.0	1367.6	1373.3
23.5°	1341.4	1352.0	1360.8	1366.4
24°	1334.2	1345.3	1354.2	1359.8
24.5°	1326.6	1338.3	1347.6	1353.6
25°	1319.4	1330.9	1340.8	1346.9
25.5°	1311.2	1323.9	1333.4	1339.7
26°	1304.2	1316.3	1326.3	1332.7
26.5°	1296.2	1308.7	1318.9	1325.3
27°	1288.2	1301.1	1311.2	1318.0
27.5°	1279.8	1293.9	1303.7	1310.7
28°	1271.6	1285.3	1296.2	1302.8
28.5°	1263.1	1277.3	1288.3	1295.1
29°	1254.1	1268.9	1280.3	1288.0
29.5°	1246.2	1260.4	1272.0	1280.0
30°	1237.5	1252.4	1263.8	1271.6
30.5°	1228.3	1243.6	1255.7	1263.6
31°	1218.9	1235.2	1247.2	1255.5
31.5°	1210.3	1225.8	1238.5	1247.0
32°	1200.8	1217.0	1229.6	1237.8
32.5°	1191.7	1207.9	1220.8	1229.1
33°	1182.5	1199.2	1211.8	1220.7
33.5°	1173.4	1190.5	1202.7	1211.6
34°	1163.3	1180.9	1193.6	1202.2
34.5°	1153.8	1171.0	1184.0	1192.7
35°	1144.2	1161.8	1175.0	1183.9
35.5°	1134.1	1152.0	1165.5	1174.7
36°	1124.1	1142.4	1155.7	1165.2
36.5°	1114.0	1132.4	1146.9	1155.3
37°	1104.0	1122.3	1137.3	1145.8
37.5°	1094.1	1112.4	1127.7	1136.5
38°	1083.7	1102.4	1117.1	1127.2
38.5°	1072.3	1092.4	1106.5	1116.7
39°	1061.4	1081.9	1095.9	1105.8
39.5°	1050.9	1071.2	1085.5	1095.2
40°	1040.3	1060.8	1075.7	1084.8
40.5°	1029.8	1050.3	1065.6	1075.1
41°	1018.6	1039.5	1054.7	1064.7
41.5°	1007.8	1028.3	1044.3	1053.8
42°	996.4	1017.6	1033.5	1043.4
42.5°	985.3	1006.8	1022.4	1033.0
43°	974.2	995.6	1011.5	1022.0
43.5°	963.0	984.4	1000.8	1010.6



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	928.8	951.3	967.5	977.4
45.5°	917.7	939.8	955.9	966.6
46°	906.1	928.5	944.6	955.0
46.5°	894.6	917.1	933.1	943.1
47°	883.5	905.7	921.8	931.6
47.5°	871.5	894.3	910.3	920.5
48°	860.1	882.1	898.5	909.3
48.5°	848.1	870.8	887.1	897.4
49°	836.6	859.2	875.6	886.2
49.5°	825.1	847.2	863.7	874.4
50°	813.0	835.4	851.8	862.6
50.5°	801.3	823.9	839.9	850.5
51°	790.0	811.7	828.4	838.8
51.5°	778.2	800.3	816.8	826.8
52°	766.0	788.2	804.3	815.2
52.5°	754.2	776.3	792.7	802.9
53°	742.3	764.4	780.4	791.0
53.5°	730.8	752.4	768.6	779.0
54°	719.0	740.4	756.6	767.0
54.5°	707.3	728.5	744.5	754.8
55°	695.7	716.7	732.5	742.4
55.5°	683.0	705.0	720.3	730.6
56°	671.3	692.2	707.9	718.1
56.5°	659.7	680.7	696.3	706.1
57°	648.1	668.6	684.0	694.4
57.5°	635.8	656.7	672.0	681.7
58°	624.1	644.1	659.4	669.3
58.5°	612.2	632.2	647.3	657.4
59°	600.9	620.1	635.2	644.9
59.5°	588.7	608.1	623.2	632.7
60°	576.9	595.9	611.0	620.2
60.5°	564.9	584.1	598.6	608.0
61°	553.5	572.1	586.2	595.7
61.5°	541.5	560.0	573.9	583.5
62°	529.8	548.0	561.8	571.1
62.5°	518.1	536.3	549.5	558.8
63°	506.7	524.1	537.3	546.5
63.5°	494.9	512.0	525.1	534.3
64°	483.0	500.1	512.8	521.8
64.5°	471.5	488.1	500.9	509.2
65°	460.2	476.0	488.7	496.7
65.5°	448.4	464.3	476.3	484.0
66°	437.3	452.7	464.1	471.4



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	402.9	417.1	428.0	434.8
68°	391.4	405.0	415.7	422.7
68.5°	380.1	393.4	403.3	410.3
69°	369.2	381.4	391.6	398.0
69.5°	357.9	369.7	379.4	385.9
70°	346.6	358.3	367.6	373.7
70.5°	335.4	346.7	355.5	361.5
71°	324.5	335.0	343.8	349.5
71.5°	313.5	323.5	331.7	337.4
72°	302.5	312.1	319.8	325.6
72.5°	291.5	300.8	307.8	313.7
73°	280.8	289.2	296.3	301.5
73.5°	270.4	278.3	284.7	289.3
74°	259.7	266.8	273.1	277.7
74.5°	248.9	255.7	261.5	266.0
75°	238.5	244.3	249.8	254.3
75.5°	228.2	233.6	238.3	242.5
76°	218.2	222.6	227.5	231.0
76.5°	207.9	212.1	215.9	219.6
77°	198.0	201.3	205.0	208.3
77.5°	187.9	190.9	193.8	196.9
78°	178.3	180.2	183.1	186.0
78.5°	168.8	170.2	172.0	174.8
79°	159.3	160.2	161.6	163.9
79.5°	150.1	150.4	151.5	153.2
80°	141.5	141.1	141.6	143.1
80.5°	132.8	131.8	131.8	132.6
81°	124.2	122.4	122.0	122.4
81.5°	115.5	113.1	112.1	112.5
82°	106.9	103.8	102.3	102.8
82.5°	98.8	95.3	93.1	92.8
83°	90.8	86.9	84.4	84.0
83.5°	83.2	78.6	75.6	75.2
84°	75.9	70.7	67.3	66.8
84.5°	69.1	63.2	59.3	58.4
85°	62.3	56.1	51.9	50.8
85.5°	56.2	49.4	44.6	44.2
86°	50.3	43.0	37.9	37.6
86.5°	44.7	37.2	31.6	31.0
87°	39.4	31.6	25.8	24.4
87.5°	34.7	26.6	21.8	18.7
88°	30.3	22.3	17.7	13.6
88.5°	26.3	19.4	13.7	9.1



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	16.8	10.5	3.9	2.9
90.5°	15.2	7.7	2.6	1.6
91°	13.5	6.3	1.9	0.3
91.5°	11.9	5.3	1.5	0.3
92°	10.2	4.6	1.3	0.2
92.5°	8.6	4.1	1.2	0.2
93°	7.8	3.8	1.1	0.1
93.5°	7.2	3.6	1.0	0.2
94°	6.8	3.3	1.0	0.2
94.5°	6.5	3.1	1.0	0.3
95°	6.2	3.0	0.9	0.3
95.5°	5.8	2.9	0.9	0.4
96°	5.5	2.9	0.9	0.5
96.5°	5.2	2.9	0.9	0.5
97°	5.1	2.9	0.9	0.6
97.5°	5.0	2.7	0.8	0.6
98°	5.0	2.6	0.8	0.7
98.5°	5.0	2.5	0.8	0.7
99°	4.9	2.4	0.8	0.8
99.5°	4.9	2.4	0.9	0.9
100°	4.8	2.3	1.0	1.0
100.5°	4.6	2.3	1.0	1.1
101°	4.5	2.3	1.1	1.2
101.5°	4.3	2.3	1.2	1.2
102°	4.2	2.3	1.2	1.3
102.5°	4.0	2.2	1.3	1.4
103°	3.9	2.1	1.4	1.5
103.5°	3.8	2.0	1.4	1.5
104°	3.7	1.9	1.5	1.6
104.5°	3.6	1.9	1.5	1.6
105°	3.5	1.8	1.6	1.6
105.5°	3.5	1.8	1.6	1.6
106°	3.4	1.7	1.7	1.6
106.5°	3.3	1.7	2.0	1.6
107°	3.2	1.6	2.1	1.6
107.5°	3.0	1.6	2.0	1.6
108°	2.9	1.5	2.0	1.6
108.5°	2.8	1.5	2.0	1.6
109°	2.7	1.5	1.9	1.6
109.5°	2.6	1.6	1.9	1.6
110°	2.5	1.6	1.9	1.6
110.5°	2.4	1.6	1.9	1.6
111°	2.3	1.6	1.9	1.6



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	2.8	2.7	2.5	2.4
135.5°	2.8	2.7	2.5	2.4
136°	2.8	2.7	2.5	2.3
136.5°	2.9	2.6	2.5	2.3
137°	2.9	2.6	2.5	2.3
137.5°	2.9	2.6	2.4	2.3
138°	2.9	2.6	2.4	2.4
138.5°	2.9	2.7	2.4	2.4
139°	2.9	2.7	2.4	2.4
139.5°	2.9	2.7	2.4	2.4
140°	2.9	2.8	2.5	2.4
140.5°	2.9	2.8	2.6	2.4
141°	2.9	2.8	2.6	2.4
141.5°	2.9	2.8	2.6	2.4
142°	2.9	2.8	2.5	2.4
142.5°	2.9	2.8	2.5	2.4
143°	2.9	2.8	2.5	2.4
143.5°	2.9	2.9	2.5	2.4
144°	2.9	2.9	2.5	2.4
144.5°	2.9	2.9	2.5	2.4
145°	2.9	2.9	2.5	2.4
145.5°	2.9	2.9	2.5	2.4
146°	2.9	2.9	2.5	2.4
146.5°	3.0	2.9	2.5	2.4
147°	3.0	2.9	2.5	2.4
147.5°	3.0	3.0	2.5	2.4
148°	3.0	3.0	2.5	2.4
148.5°	3.0	3.0	2.5	2.4
149°	3.0	3.0	2.5	2.3
149.5°	3.0	3.0	2.5	2.3
150°	3.1	3.0	2.5	2.3
150.5°	3.1	3.0	2.5	2.3
151°	3.1	3.0	2.4	2.2
151.5°	3.1	3.0	2.4	2.1
152°	3.1	3.0	2.4	2.1
152.5°	3.1	2.9	2.4	2.1
153°	3.1	2.9	2.3	2.1
153.5°	3.1	2.9	2.2	1.9
154°	3.1	2.8	2.1	1.8
154.5°	3.2	2.8	2.1	1.7
155°	3.2	2.7	2.1	1.7
155.5°	3.2	2.6	2.0	1.8
156°	3.2	2.5	1.9	1.7



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	3.2	2.5	1.8	1.6
158°	3.2	2.5	1.8	1.6
158.5°	3.2	2.4	1.7	1.6
159°	3.2	2.4	1.7	1.6
159.5°	3.2	2.4	1.7	1.6
160°	3.3	2.4	1.7	1.6
160.5°	3.3	2.4	1.7	1.6
161°	3.3	2.4	1.7	1.6
161.5°	3.3	2.4	1.7	1.6
162°	3.3	2.4	1.7	1.6
162.5°	3.3	2.3	1.7	1.6
163°	3.2	2.2	1.6	1.6
163.5°	3.3	2.1	1.6	1.7
164°	3.3	2.1	1.6	1.7
164.5°	2.9	2.1	1.6	1.7
165°	2.8	2.0	1.6	1.7
165.5°	3.0	1.9	1.6	1.7
166°	3.1	1.8	1.6	1.7
166.5°	2.7	1.8	1.7	1.7
167°	2.5	1.8	1.7	1.7
167.5°	2.9	2.0	1.7	1.7
168°	3.1	2.2	1.7	1.7
168.5°	2.9	2.2	1.8	1.7
169°	2.9	2.3	1.8	1.8
169.5°	2.9	2.4	1.9	1.8
170°	2.8	2.4	2.2	1.9
170.5°	2.8	2.4	2.3	2.1
171°	3.0	2.7	2.3	2.4
171.5°	3.0	2.7	2.5	2.4
172°	3.0	2.8	2.6	2.4
172.5°	3.0	2.8	2.7	2.6
173°	3.0	2.8	2.7	2.6
173.5°	2.9	2.8	2.7	2.6
174°	2.9	2.9	2.8	2.6
174.5°	2.9	2.9	2.8	2.7
175°	2.9	2.9	2.8	2.8
175.5°	2.9	2.8	2.8	2.8
176°	2.9	2.8	2.8	2.8
176.5°	2.9	2.8	2.8	2.8
177°	2.9	2.8	2.8	2.8
177.5°	2.8	2.8	2.8	2.8
178°	2.8	2.8	2.8	2.8
178.5°	2.9	2.9	2.9	2.9



TEST NUMBER: P563536

CATALOG NUMBER: 4NWS35C3R-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	2.6	2.6	2.6	2.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	1391.6	1394.9	1394.6	1392.0	1386.9	1380.9	1374.5	1369.1	1364.5	1362.3	1361.4
22°	1385.0	1388.6	1388.5	1385.6	1380.6	1374.3	1367.2	1361.7	1357.6	1354.5	1353.9



44°	999.7	1003.4	998.7	988.1	970.9	949.9	928.5	910.1	896.6	889.9	890.9
44.5°	988.6	991.7	987.8	976.6	959.5	938.0	917.0	898.3	884.8	878.3	878.3



66.5°	459.1	463.4	462.3	455.8	445.4	430.9	417.7	405.9	397.4	392.5	391.1
67°	446.8	450.8	450.4	444.5	434.1	420.4	407.8	396.2	387.6	383.0	382.0



89°	5.6	11.0	21.1	32.6	43.3	50.8	56.8	60.3	61.6	61.1	58.9
89.5°	4.2	7.8	17.3	28.4	39.0	47.1	53.0	56.1	57.5	57.1	54.8



111.5°	1.6	1.6	1.4	1.2	1.6	2.5	3.6	4.7	5.5	5.7	5.5
112°	1.7	1.6	1.4	1.2	1.6	2.4	3.5	4.5	5.2	5.5	5.3



134°	2.3	2.4	2.4	2.9	2.9	2.6	2.5	2.6	2.6	2.7	2.9
134.5°	2.4	2.4	2.4	2.9	3.0	2.6	2.6	2.6	2.7	2.8	2.9



156.5°	1.6	2.5	2.9	2.8	2.8	2.9	3.0	3.3	3.5	3.6	3.7
157°	1.6	2.4	2.9	2.9	2.9	2.9	3.0	3.2	3.4	3.5	3.6



179°	2.8	2.7	2.6	2.4	2.3	2.2	2.3	2.5	2.7	2.8	2.8
179.5°	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.7	2.6





21.5°	1362.7	1366.3	1369.5	1373.5	1377.3	1379.0	1379.1	1377.3	1373.1	1366.6	1358.5
22°	1355.2	1358.5	1362.6	1367.1	1371.2	1372.5	1372.8	1371.1	1366.4	1359.8	1351.4



44°	897.4	910.7	928.0	944.2	958.7	969.1	973.1	971.4	964.4	951.4	932.4
44.5°	885.8	899.4	916.3	932.2	947.1	957.6	961.1	960.4	953.4	939.9	920.6



66.5°	394.0	400.0	408.2	416.5	423.8	428.7	427.6	426.8	421.6	414.1	403.1
67°	384.6	390.0	397.8	405.5	412.1	416.0	415.7	414.6	409.6	402.2	391.9



89°	54.9	49.4	42.4	32.3	21.7	11.6	4.7	0.7	3.8	10.8	17.7
89.5°	51.3	45.9	38.4	28.8	18.6	9.3	3.7	0.7	2.8	8.1	16.0



111.5°	4.8	3.8	2.8	2.1	2.1	2.5	3.1	2.8	3.3	2.4	2.8
112°	4.6	3.6	2.7	2.0	2.1	2.6	3.1	2.9	3.3	2.5	2.8



134°	3.0	3.4	4.0	4.9	5.0	3.9	3.5	3.2	4.0	4.2	3.9
134.5°	3.1	3.5	4.1	5.0	4.9	3.9	3.5	3.2	4.0	4.2	3.8



156.5°	3.6	3.4	3.3	3.4	3.4	3.2	3.1	2.7	2.8	3.2	3.5
157°	3.5	3.3	3.3	3.4	3.3	3.2	2.9	2.7	2.8	3.2	3.5



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





21.5°	1349.6	1340.1	1332.3	1325.8	1322.6	1321.9	1323.7	1329.5	1337.8	1348.3	1359.0
22°	1342.5	1332.2	1323.9	1318.1	1314.7	1313.1	1315.8	1320.9	1329.7	1340.4	1351.7



44°	911.1	887.7	866.9	850.3	840.2	837.5	842.8	855.9	876.0	900.2	927.2
44.5°	899.8	875.6	855.0	838.6	828.0	825.3	830.8	844.3	864.3	888.8	915.1



66.5°	391.1	378.6	367.9	359.8	355.1	354.7	358.2	366.1	377.6	392.5	408.9
67°	380.1	368.2	358.1	350.6	346.2	345.7	348.8	356.8	367.8	381.9	398.0



89°	25.7	33.0	38.8	43.0	45.7	46.8	46.6	45.0	41.8	36.9	30.4
89.5°	23.0	30.0	35.7	39.9	42.5	43.6	43.4	41.7	38.4	33.5	27.1



111.5°	4.5	6.4	7.9	8.8	9.4	9.7	9.4	8.6	7.2	5.7	3.9
112°	4.3	6.2	7.7	8.6	9.2	9.5	9.2	8.4	7.0	5.6	3.8



134°	3.6	3.1	2.8	2.6	2.4	2.4	2.4	2.5	2.5	2.8	3.1
134.5°	3.7	3.2	2.8	2.6	2.5	2.4	2.5	2.5	2.6	2.8	3.2



156.5°	3.8	3.8	3.6	3.5	3.4	3.5	3.5	3.4	3.4	3.2	3.2
157°	4.0	3.8	3.6	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.2



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





21.5°	1369.3	1378.7	1386.1	1391.6
22°	1362.0	1372.8	1380.6	1385.0



44°	951.9	973.7	989.3	999.7
44.5°	941.1	962.2	978.5	988.6



66.5°	425.6	440.7	452.1	459.1
67°	414.1	428.9	440.3	446.8



89°	22.8	16.4	9.6	5.6
89.5°	19.6	13.5	5.7	4.2



111.5°	2.3	1.6	1.9	1.6
112°	2.2	1.7	1.9	1.7



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



156.5°	3.2	2.5	1.8	1.6
157°	3.2	2.5	1.8	1.6



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



(END OF REPORT)