

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: P563535

Luminaire Tested: **4NWS35C3R-3500K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563535
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-3500K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K
Light Source: -
Ballast/Driver:

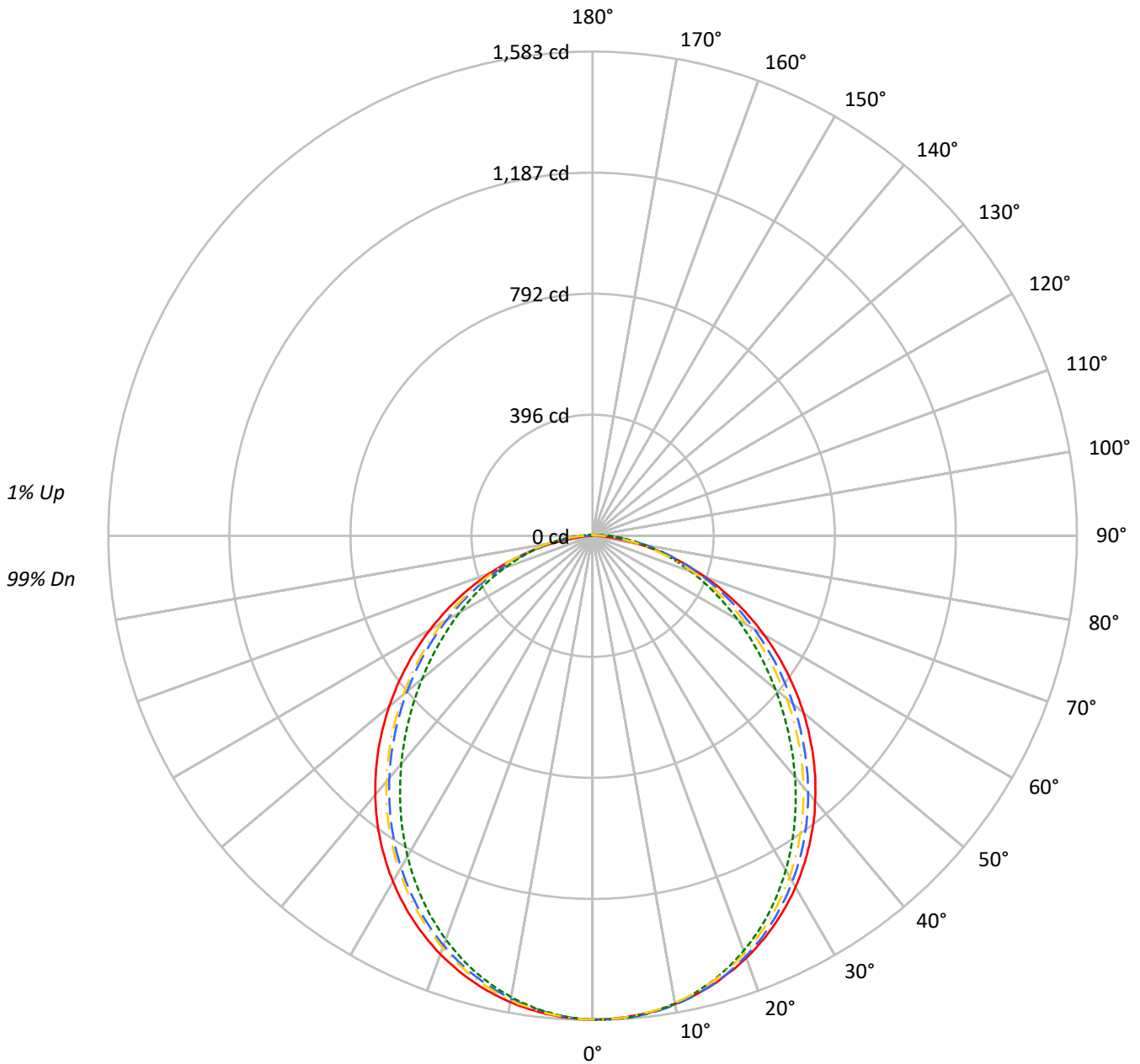
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4124.0 lumens
Efficiency: N/A
Efficacy: 121.3 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): 34
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			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	89	87	85	83			
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70			
3	91	80	72	66	88	79	71	65	75	69	64	73	67	63	70	65	61	59			
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53	51			
5	77	64	55	48	74	63	54	48	60	53	48	58	52	47	56	51	46	44			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41	39			
7	66	52	44	38	64	52	43	37	50	43	37	48	42	37	47	41	36	35			
8	61	48	39	34	60	47	39	34	46	38	33	44	38	33	43	37	33	31			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28			
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9615	9615	9615	9615
5°	9591	9470	9574	9400
10°	9562	9280	9520	9153
15°	9508	9036	9443	8851
20°	9429	8740	9346	8504
25°	9331	8396	9215	8102
30°	9199	7994	9053	7663
35°	9032	7544	8857	7180
40°	8825	7056	8619	6670
45°	8586	6542	8339	6143
50°	8302	6020	8010	5622
55°	7969	5520	7631	5109
60°	7590	5021	7192	4608
65°	7133	4513	6663	4098
70°	6552	4005	5989	3571
75°	5783	3476	5079	3007
80°	4673	2906	3802	2412
85°	2988	2321	1922	1844



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.3	3.6
10°-20°	423.7	10.3
20°-30°	629.3	15.3
30°-40°	733.5	17.8
40°-50°	726.2	17.6
50°-60°	623.6	15.1
60°-70°	456.4	11.1
70°-80°	259.1	6.3
80°-90°	86.3	2.1
90°-100°	15.6	0.4
100°-110°	6.6	0.2
110°-120°	3.9	0.1
120°-130°	2.8	0.1
130°-140°	2.5	0.1
140°-150°	2.3	0.1
150°-160°	1.6	0.0
160°-170°	0.9	0.0
170°-180°	0.3	0.0
0°-30°	1202.3	29.2
0°-40°	1935.8	46.9
0°-60°	3285.6	79.7
0°-90°	4087.4	99.1
90°-120°	26.2	0.6
90°-150°	33.8	0.8
90°-180°	37.0	0.9
0°-180°	4124.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1582	1582	1582	1582	1582	
5°	1575	1578	1572	1566	1575	150
15°	1519	1508	1509	1477	1519	429
25°	1405	1361	1387	1314	1405	647
35°	1235	1150	1211	1095	1235	772
45°	1020	904	990	849	1020	786
55°	774	660	741	611	774	692
65°	518	440	484	400	518	513
75°	265	252	233	218	265	281
85°	53	105	34	83	53	63
90°	3	55	1	42	3	3
95°	0	27	1	22	0	0
105°	2	10	2	13	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	3	4	2	0
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8
0.5°	1581.4	1581.4	1581.5	1581.7	1581.8	1582.0	1582.0	1582.1	1582.1	1582.1	1582.1
1°	1581.2	1581.3	1581.6	1581.9	1582.2	1582.2	1582.3	1582.3	1581.7	1581.2	1581.6
1.5°	1581.2	1581.8	1581.9	1581.4	1581.1	1581.3	1581.9	1582.3	1581.8	1582.5	1582.7
2°	1580.9	1581.4	1581.4	1581.4	1581.7	1582.2	1582.5	1582.5	1581.7	1581.8	1582.1
2.5°	1580.3	1580.7	1580.8	1580.9	1581.0	1580.5	1580.7	1580.5	1582.1	1581.2	1580.5
3°	1579.2	1579.6	1580.2	1580.6	1581.0	1581.0	1581.4	1581.7	1581.1	1581.0	1581.0
3.5°	1578.2	1579.0	1579.6	1580.8	1580.3	1580.7	1580.7	1580.3	1580.7	1579.7	1579.3
4°	1577.5	1578.9	1578.5	1579.9	1579.6	1579.8	1579.7	1579.4	1578.7	1580.3	1578.9
4.5°	1575.8	1577.1	1577.5	1578.5	1579.3	1579.1	1578.5	1579.2	1578.6	1578.7	1577.2
5°	1574.8	1576.0	1576.5	1577.1	1578.0	1578.0	1576.5	1577.1	1577.5	1577.5	1576.2
5.5°	1573.8	1575.0	1575.6	1575.8	1576.4	1575.9	1575.4	1575.4	1576.0	1575.7	1574.2
6°	1572.5	1573.6	1573.9	1574.6	1575.4	1574.6	1574.3	1573.8	1574.0	1573.6	1572.0
6.5°	1570.8	1572.1	1572.4	1572.9	1573.8	1573.1	1573.3	1572.2	1572.2	1572.0	1570.3
7°	1569.3	1570.0	1571.3	1570.9	1571.0	1570.1	1571.5	1570.0	1569.8	1569.7	1568.4
7.5°	1567.1	1567.9	1569.0	1569.9	1569.7	1569.0	1568.5	1568.0	1567.3	1566.1	1566.2
8°	1565.4	1565.5	1567.3	1567.5	1567.4	1566.8	1566.2	1565.8	1565.2	1564.4	1563.9
8.5°	1562.5	1562.8	1565.2	1564.8	1565.2	1564.7	1563.8	1563.2	1562.2	1561.6	1560.4
9°	1560.8	1562.2	1562.4	1563.0	1563.0	1562.4	1560.7	1560.4	1559.3	1559.7	1557.4
9.5°	1557.9	1559.3	1560.4	1560.1	1560.4	1559.0	1557.2	1557.2	1556.5	1554.9	1554.3
10°	1554.8	1556.6	1557.5	1557.6	1557.3	1556.3	1554.5	1553.4	1552.9	1553.2	1551.7
10.5°	1551.9	1553.4	1554.9	1555.0	1554.3	1553.1	1551.1	1550.0	1549.3	1549.1	1547.8
11°	1548.7	1549.7	1551.5	1551.6	1551.1	1550.3	1547.2	1546.8	1546.5	1545.4	1544.2
11.5°	1545.3	1547.4	1548.2	1548.6	1547.3	1546.8	1543.8	1543.4	1542.3	1541.6	1540.2
12°	1542.1	1544.0	1545.4	1545.5	1544.0	1542.8	1540.6	1539.4	1537.2	1537.6	1535.4
12.5°	1539.1	1540.6	1541.9	1542.0	1540.0	1539.2	1536.8	1535.2	1533.3	1532.9	1531.7
13°	1535.4	1537.4	1538.5	1538.0	1535.7	1535.4	1532.4	1531.0	1529.3	1527.7	1527.1
13.5°	1531.3	1533.8	1534.9	1534.4	1532.0	1531.2	1527.2	1526.1	1524.6	1522.8	1521.4
14°	1527.5	1529.8	1530.8	1530.9	1527.8	1526.1	1523.3	1521.3	1519.7	1517.6	1517.0
14.5°	1523.7	1525.8	1526.7	1526.7	1523.2	1521.9	1519.2	1516.3	1513.8	1513.3	1511.2
15°	1519.3	1521.8	1522.4	1522.0	1519.3	1517.4	1513.9	1511.3	1509.0	1508.1	1506.9
15.5°	1515.2	1517.7	1517.7	1517.0	1515.1	1512.8	1508.2	1506.5	1503.5	1502.8	1500.8
16°	1510.3	1513.3	1513.7	1512.6	1509.9	1507.3	1503.3	1500.8	1498.4	1496.5	1494.8
16.5°	1504.9	1508.6	1509.4	1508.2	1504.8	1502.1	1497.7	1494.8	1492.4	1490.0	1489.5
17°	1499.9	1504.0	1504.1	1503.4	1500.3	1496.8	1492.3	1488.8	1486.0	1484.8	1484.0
17.5°	1495.7	1498.8	1499.2	1498.0	1495.0	1491.0	1485.6	1482.8	1479.4	1478.7	1477.0
18°	1491.1	1493.5	1494.3	1492.8	1489.1	1485.4	1480.2	1476.6	1473.3	1471.5	1470.8
18.5°	1485.3	1489.1	1489.4	1487.7	1483.8	1479.7	1473.9	1470.0	1467.2	1464.9	1464.0
19°	1479.8	1483.9	1484.3	1481.9	1478.2	1473.4	1468.2	1463.4	1460.1	1457.9	1457.6
19.5°	1474.2	1477.9	1478.1	1476.2	1472.0	1466.8	1461.2	1456.9	1452.8	1451.8	1449.3
20°	1468.7	1472.1	1472.1	1470.3	1466.0	1460.4	1454.1	1449.6	1446.0	1443.3	1442.7
20.5°	1463.1	1466.6	1466.5	1464.3	1459.8	1454.2	1447.2	1442.3	1438.9	1436.2	1435.0
21°	1457.5	1460.9	1460.6	1458.0	1452.9	1447.3	1440.7	1435.0	1431.6	1428.3	1427.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1438.1	1441.7	1442.0	1438.5	1433.2	1426.3	1418.5	1412.3	1407.7	1405.1	<i>1403.4</i>
23°	1432.4	1435.4	1435.1	1431.8	1426.2	1419.2	1411.1	1404.4	1399.4	1397.6	<i>1395.7</i>
23.5°	1425.1	1428.9	1428.5	1424.9	1419.2	1411.4	1403.4	1396.0	1390.9	1388.4	<i>1387.0</i>
24°	1418.3	1422.2	1422.0	1417.7	1411.6	1403.9	1394.8	1387.6	1382.4	1379.8	<i>1378.7</i>
24.5°	1411.8	1415.2	1414.7	1410.8	1403.8	1395.9	1387.7	1379.7	1373.7	1370.8	<i>1369.4</i>
25°	1404.8	1408.5	1407.4	1403.4	1396.5	1387.8	1379.2	1371.0	1364.8	1361.3	<i>1360.6</i>
25.5°	1397.3	1401.0	1400.3	1395.8	1389.4	1379.8	1370.4	1362.1	1356.1	1352.6	<i>1351.2</i>
26°	1390.0	1393.1	1392.8	1387.6	1381.4	1371.2	1361.5	1352.7	1346.2	1342.4	<i>1342.2</i>
26.5°	1382.3	1386.0	1384.3	1380.5	1372.6	1362.7	1352.4	1343.8	1337.1	1333.6	<i>1332.3</i>
27°	1374.6	1378.9	1376.8	1372.0	1364.2	1354.3	1343.6	1334.5	1327.7	1323.3	<i>1323.3</i>
27.5°	1367.1	1371.0	1369.5	1363.6	1355.9	1345.2	1335.4	1324.9	1317.2	1314.3	<i>1313.3</i>
28°	1358.8	1363.1	1361.7	1355.8	1347.4	1336.4	1324.9	1315.7	1307.8	1304.0	<i>1302.8</i>
28.5°	1350.8	1355.0	1353.6	1347.8	1339.2	1327.7	1315.8	1306.0	1297.3	1292.9	<i>1292.4</i>
29°	1343.3	1347.0	1345.4	1339.1	1329.9	1318.3	1306.5	1295.9	1288.3	1283.8	<i>1282.6</i>
29.5°	1335.1	1338.9	1336.7	1330.9	1321.0	1309.1	1297.3	1285.9	1276.8	1273.1	<i>1273.1</i>
30°	1326.3	1329.8	1328.2	1321.5	1311.9	1299.4	1286.8	1275.7	1266.9	1262.2	<i>1262.6</i>
30.5°	1318.0	1321.3	1319.6	1313.3	1302.8	1289.5	1276.9	1265.4	1255.3	1251.8	<i>1251.1</i>
31°	1309.5	1313.2	1310.6	1304.4	1293.9	1280.3	1266.4	1254.8	1245.8	1241.3	<i>1240.1</i>
31.5°	1300.6	1304.6	1301.9	1294.8	1284.5	1270.7	1256.2	1243.9	1234.8	1230.0	<i>1228.9</i>
32°	1291.1	1294.9	1292.6	1285.1	1274.4	1260.2	1246.1	1233.6	1223.8	1218.6	<i>1218.3</i>
32.5°	1281.9	1285.7	1283.4	1275.5	1264.6	1250.0	1235.8	1223.0	1213.6	1207.4	<i>1207.3</i>
33°	1273.1	1276.9	1274.0	1266.7	1254.8	1240.2	1225.4	1211.8	1202.2	1196.5	<i>1196.3</i>
33.5°	1263.7	1267.3	1264.7	1257.3	1245.2	1230.0	1214.8	1201.2	1190.5	1184.9	<i>1184.6</i>
34°	1253.9	1258.2	1255.1	1247.1	1235.2	1219.1	1203.4	1189.7	1179.2	1173.2	<i>1173.1</i>
34.5°	1244.0	1248.5	1245.5	1237.3	1225.2	1208.6	1192.4	1177.7	1167.3	1162.0	<i>1161.3</i>
35°	1234.8	1238.8	1236.1	1227.5	1214.5	1198.0	1181.6	1166.5	1155.3	1150.1	<i>1150.0</i>
35.5°	1225.2	1228.9	1226.6	1217.6	1203.9	1187.0	1170.3	1155.2	1143.7	1138.5	<i>1138.2</i>
36°	1215.3	1219.6	1215.8	1207.5	1193.7	1176.2	1159.2	1143.7	1131.8	1126.8	<i>1126.2</i>
36.5°	1205.0	1208.9	1205.8	1196.6	1183.5	1165.5	1147.9	1131.8	1120.1	1114.1	<i>1114.8</i>
37°	1195.1	1198.6	1195.6	1186.5	1172.5	1154.7	1136.7	1120.5	1107.6	1102.2	<i>1102.6</i>
37.5°	1185.3	1188.3	1185.2	1176.2	1161.6	1143.4	1124.9	1108.6	1096.0	1090.2	<i>1090.4</i>
38°	1175.7	1178.0	1175.3	1165.1	1150.7	1132.0	1113.2	1096.6	1084.3	1077.8	<i>1077.6</i>
38.5°	1164.7	1167.6	1163.8	1154.5	1139.5	1120.7	1101.5	1084.5	1072.2	1066.4	<i>1065.8</i>
39°	1153.4	1157.1	1153.5	1143.6	1128.5	1109.4	1090.0	1072.5	1060.3	1053.6	<i>1053.1</i>
39.5°	1142.3	1146.9	1142.8	1132.8	1117.0	1097.4	1078.3	1060.5	1047.4	1041.6	<i>1041.6</i>
40°	1131.5	1135.8	1132.2	1121.3	1105.9	1085.6	1065.9	1048.5	1035.1	1029.1	<i>1029.1</i>
40.5°	1121.3	1124.7	1121.4	1110.6	1094.4	1074.2	1053.9	1036.1	1022.5	1016.6	<i>1016.1</i>
41°	1110.4	1113.7	1110.2	1099.2	1083.0	1062.2	1042.0	1024.0	1010.3	1004.3	<i>1003.5</i>
41.5°	1099.1	1102.5	1098.7	1088.2	1071.5	1050.6	1029.6	1011.3	997.2	991.4	<i>991.3</i>
42°	1088.3	1091.9	1087.8	1076.3	1060.2	1039.0	1018.2	999.3	985.4	979.5	<i>978.6</i>
42.5°	1077.4	1080.7	1076.4	1065.5	1047.7	1026.9	1005.9	987.1	973.0	966.6	<i>966.1</i>
43°	1066.0	1069.2	1065.1	1053.2	1036.1	1014.7	993.6	974.5	960.4	954.4	<i>953.8</i>
43.5°	1054.1	1058.0	1053.5	1042.2	1024.9	1002.8	981.1	962.0	947.8	941.4	<i>941.4</i>



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	1019.5	1023.0	1018.5	1006.5	989.2	966.3	944.3	924.6	910.1	903.7	903.5
45.5°	1008.2	1011.4	1006.7	994.5	976.6	954.1	932.0	912.1	898.0	890.9	890.9
46°	996.0	999.7	995.1	982.7	964.5	941.7	919.2	899.7	885.9	877.9	878.7
46.5°	983.6	987.4	982.9	970.6	952.3	929.3	906.6	887.2	872.6	866.1	866.3
47°	971.6	975.8	971.6	958.6	940.4	917.0	894.3	874.6	860.0	853.6	853.4
47.5°	960.0	963.6	959.4	947.2	928.5	904.8	882.3	861.7	847.6	841.1	840.8
48°	948.4	951.8	947.1	935.2	916.5	892.4	869.8	849.6	835.5	828.2	828.9
48.5°	935.9	939.1	934.7	922.7	904.0	880.2	857.7	837.3	822.6	816.3	816.5
49°	924.3	928.0	922.4	909.8	891.6	867.9	845.0	825.0	810.6	803.6	803.6
49.5°	911.9	915.3	911.2	898.1	879.0	855.4	832.9	812.5	798.0	791.3	791.6
50°	899.6	903.4	898.5	886.1	866.5	842.9	820.7	800.1	786.3	778.8	779.1
50.5°	887.0	890.9	886.2	874.0	854.6	830.7	808.2	787.7	773.3	766.7	766.5
51°	874.9	878.6	873.5	860.9	842.4	818.4	795.9	775.9	761.9	754.4	754.0
51.5°	862.4	866.2	861.2	849.0	830.0	806.1	783.3	763.5	749.1	743.2	742.5
52°	850.3	854.0	849.3	836.4	817.4	794.1	771.4	751.7	737.4	730.3	730.5
52.5°	837.5	841.1	836.1	823.9	804.9	781.3	759.1	739.5	725.7	718.8	718.6
53°	825.0	828.8	824.0	811.3	792.4	769.0	746.7	727.4	713.8	706.4	706.2
53.5°	812.5	816.0	811.3	799.0	779.9	756.8	734.7	715.5	701.0	695.1	694.3
54°	800.0	803.3	798.9	786.8	767.7	744.4	722.7	703.4	689.6	682.7	682.9
54.5°	787.2	791.0	786.1	774.1	755.8	732.0	710.1	691.3	677.5	671.0	671.0
55°	774.3	778.5	773.9	761.7	742.9	719.6	698.1	679.4	666.1	660.3	658.9
55.5°	762.0	765.7	761.0	749.4	731.0	707.8	686.1	667.2	654.0	648.1	647.1
56°	749.0	752.8	748.7	736.7	718.6	696.0	674.6	655.5	642.7	636.3	635.9
56.5°	736.5	740.4	736.0	724.3	706.4	683.7	662.4	644.1	631.3	624.9	624.5
57°	724.2	727.5	723.2	711.6	693.6	671.5	650.4	632.4	619.4	613.6	612.9
57.5°	711.0	715.3	710.1	699.4	681.7	659.7	638.7	620.6	608.3	602.1	601.4
58°	698.1	702.0	698.3	686.3	668.6	647.7	627.2	609.4	596.9	590.4	590.6
58.5°	685.7	689.4	685.1	674.3	656.8	635.4	615.1	597.7	585.7	579.5	579.1
59°	672.6	677.0	672.5	661.8	644.6	623.5	603.4	586.1	574.8	568.9	567.9
59.5°	659.9	663.7	659.8	649.4	632.4	611.6	592.0	575.4	563.7	558.2	556.3
60°	646.8	651.0	647.5	636.7	620.0	599.7	580.3	564.3	552.7	547.1	545.3
60.5°	634.1	637.8	634.6	624.4	608.5	588.0	569.4	553.5	541.6	535.9	534.4
61°	621.3	624.8	621.8	612.1	596.4	576.5	555.0	542.1	530.4	524.7	523.4
61.5°	608.6	612.7	608.8	598.9	583.8	564.5	543.4	530.7	519.3	513.5	512.5
62°	595.6	599.9	596.8	587.0	571.3	552.5	532.8	519.5	508.1	502.3	501.5
62.5°	582.8	586.7	584.2	574.9	559.7	540.9	522.2	508.3	497.0	491.4	490.6
63°	570.0	574.1	571.3	562.4	547.6	529.3	511.5	497.1	486.5	481.1	480.1
63.5°	557.3	561.0	558.6	549.5	535.5	517.7	501.0	486.3	476.1	470.7	469.9
64°	544.2	548.0	545.5	538.5	523.3	506.1	489.6	475.9	465.7	460.4	459.4
64.5°	531.1	535.0	532.8	534.4	511.6	494.6	478.9	465.1	455.2	449.9	448.7
65°	518.0	522.0	520.1	519.6	500.5	483.0	468.0	454.6	444.9	439.9	438.6
65.5°	504.9	509.0	507.5	504.8	488.4	471.6	456.9	444.1	434.7	429.5	428.3
66°	491.7	496.0	494.8	490.1	476.3	460.5	446.2	433.6	424.6	419.4	418.5



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	453.4	457.5	457.1	451.3	441.1	427.4	414.4	403.3	394.6	389.6	388.4
68°	440.9	445.0	444.4	439.4	429.5	416.4	403.8	393.1	385.0	380.1	378.8
68.5°	428.0	432.2	432.3	426.9	417.9	405.4	393.5	382.9	375.2	370.6	368.5
69°	415.2	419.6	419.9	415.6	406.5	394.3	383.2	373.1	365.0	360.9	359.3
69.5°	402.5	407.4	407.5	403.6	395.4	383.6	372.9	363.0	355.4	351.0	349.6
70°	389.7	394.6	395.2	391.9	384.1	373.1	362.7	353.1	346.0	341.4	340.0
70.5°	377.0	381.9	383.0	379.8	373.2	362.7	352.7	343.6	336.7	332.3	330.4
71°	364.6	369.1	370.8	368.3	361.7	352.0	342.6	333.9	327.4	323.1	321.4
71.5°	351.9	356.9	358.3	356.4	350.7	341.5	332.7	324.5	317.8	313.8	312.2
72°	339.6	344.4	346.4	344.6	339.6	331.0	322.6	314.9	308.5	304.4	302.8
72.5°	327.1	331.8	334.5	333.1	328.4	320.5	313.0	305.3	299.4	295.8	293.7
73°	314.4	319.5	322.7	322.0	317.8	310.2	303.1	296.0	290.4	286.6	284.5
73.5°	301.7	307.3	310.5	310.5	306.9	300.6	293.4	286.8	281.3	277.7	275.6
74°	289.7	294.7	298.6	299.3	296.2	290.3	284.0	277.6	272.6	268.8	266.7
74.5°	277.4	282.9	286.8	287.8	285.6	280.0	274.6	268.6	263.8	260.2	258.4
75°	265.3	270.8	275.1	276.6	275.0	270.2	265.1	259.8	255.0	251.6	249.5
75.5°	252.9	259.0	263.4	265.5	264.6	260.4	255.8	250.7	246.2	243.1	241.0
76°	240.9	246.8	251.9	254.7	253.9	250.5	246.7	242.0	237.8	234.7	232.3
76.5°	229.1	235.2	240.5	243.6	243.8	241.0	237.4	233.2	229.4	226.4	224.0
77°	217.3	223.2	229.2	232.8	233.8	231.6	228.5	224.5	221.0	217.9	215.6
77.5°	205.3	211.8	218.0	222.1	223.7	222.2	219.6	216.1	212.6	210.0	207.5
78°	194.0	200.3	206.7	211.8	213.7	213.0	210.9	207.7	204.8	202.0	199.6
78.5°	182.3	189.1	195.7	201.3	204.0	203.7	202.0	199.5	196.9	194.1	191.7
79°	170.9	177.9	185.1	191.0	194.2	194.6	193.6	191.3	188.8	186.3	183.9
79.5°	159.7	166.5	174.3	180.8	184.8	185.7	185.3	183.4	181.1	178.8	176.2
80°	149.2	155.7	163.6	170.9	175.4	176.9	176.9	175.4	173.5	171.3	168.8
80.5°	138.3	145.1	153.5	161.1	166.2	168.4	168.8	167.7	166.1	163.8	161.4
81°	127.7	134.7	143.4	151.4	157.1	159.9	161.0	160.2	158.8	156.6	154.2
81.5°	117.3	124.4	133.5	141.9	148.3	151.5	153.2	152.9	151.8	149.7	147.1
82°	107.2	114.2	123.6	132.7	139.5	143.5	145.5	145.7	144.7	142.7	140.2
82.5°	96.8	104.4	114.3	123.7	131.0	135.7	138.0	138.5	137.7	135.8	133.3
83°	87.6	95.0	104.9	114.9	122.7	127.9	130.8	131.5	131.0	129.4	126.8
83.5°	78.4	85.8	95.9	106.4	114.8	120.2	123.7	124.8	124.7	122.9	120.4
84°	69.7	77.0	87.2	98.0	106.9	113.0	116.8	118.3	118.1	116.7	114.1
84.5°	61.0	68.3	79.0	90.0	99.3	105.9	109.9	111.9	111.9	110.5	108.1
85°	53.0	60.1	70.9	82.3	92.1	99.0	103.4	105.6	106.0	104.6	102.1
85.5°	46.1	52.8	63.4	75.0	85.0	92.4	97.1	99.6	100.0	98.8	96.4
86°	39.2	46.1	56.0	68.0	78.4	86.1	91.1	93.7	94.3	93.2	90.7
86.5°	32.3	39.4	50.0	61.3	71.9	80.0	85.2	88.1	88.9	87.9	85.5
87°	25.4	32.7	44.2	54.5	65.8	74.0	79.6	82.8	83.6	82.8	80.3
87.5°	19.5	26.0	38.3	49.3	59.9	68.4	74.2	77.5	78.5	77.7	75.3
88°	14.1	20.5	32.4	44.2	54.2	63.1	69.0	72.3	73.6	72.8	70.5
88.5°	9.5	15.7	26.5	39.1	49.7	57.8	63.9	67.6	68.8	68.2	65.9



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	3.0	5.5	14.6	25.7	36.3	45.1	51.5	54.6	56.0	55.4	53.8
90.5°	1.7	4.5	11.8	22.2	32.3	41.1	47.7	51.1	52.6	52.1	50.4
91°	0.3	3.5	9.5	19.0	28.8	37.2	43.9	47.6	49.2	48.8	46.9
91.5°	0.3	2.5	7.7	16.4	25.6	33.7	40.0	44.1	45.8	45.5	43.5
92°	0.2	1.5	6.3	14.1	22.8	30.6	36.6	40.6	42.4	42.2	40.1
92.5°	0.2	1.2	5.6	12.2	20.3	27.7	33.5	37.3	39.1	38.9	37.1
93°	0.1	1.0	4.9	10.5	18.0	25.1	30.8	34.5	36.3	36.2	34.4
93.5°	0.2	0.8	4.2	9.2	16.1	22.8	28.2	31.8	33.6	33.5	31.9
94°	0.2	0.7	3.6	8.1	14.3	20.6	25.9	29.4	31.1	31.1	29.5
94.5°	0.3	0.6	3.2	7.3	12.9	18.7	23.7	27.1	28.8	28.8	27.4
95°	0.4	0.5	2.9	6.7	11.6	17.0	21.7	25.0	26.7	26.7	25.3
95.5°	0.4	0.5	2.6	6.2	10.6	15.5	20.0	23.1	24.7	24.8	23.5
96°	0.5	0.5	2.4	5.8	9.8	14.3	18.4	21.4	22.9	23.0	21.8
96.5°	0.5	0.6	2.1	5.4	9.1	13.2	17.0	19.8	21.4	21.5	20.4
97°	0.6	0.7	1.9	5.0	8.6	12.3	15.8	18.5	19.9	20.1	19.0
97.5°	0.6	0.7	1.8	4.6	8.2	11.5	14.8	17.2	18.6	18.8	17.9
98°	0.7	0.7	1.6	4.3	7.7	10.9	13.9	16.2	17.5	17.7	16.8
98.5°	0.7	0.7	1.5	4.1	7.3	10.4	13.1	15.3	16.5	16.7	15.9
99°	0.8	0.8	1.3	3.8	6.9	9.9	12.5	14.5	15.6	15.8	15.1
99.5°	0.9	0.8	1.2	3.5	6.5	9.5	11.9	13.8	14.9	15.1	14.4
100°	1.0	0.9	1.2	3.3	6.1	9.0	11.4	13.2	14.3	14.4	13.9
100.5°	1.1	1.0	1.2	3.1	5.8	8.6	11.0	12.7	13.7	13.9	13.4
101°	1.2	1.1	1.2	2.8	5.5	8.2	10.5	12.2	13.2	13.4	12.9
101.5°	1.3	1.1	1.2	2.6	5.2	7.8	10.1	11.8	12.7	13.0	12.4
102°	1.4	1.2	1.2	2.4	4.9	7.4	9.6	11.3	12.3	12.5	12.0
102.5°	1.5	1.2	1.2	2.3	4.6	7.1	9.2	10.9	11.8	12.0	11.6
103°	1.5	1.3	1.2	2.1	4.3	6.7	8.8	10.4	11.4	11.6	11.1
103.5°	1.6	1.3	1.1	2.0	4.0	6.4	8.4	10.0	10.9	11.2	10.7
104°	1.6	1.4	1.1	1.8	3.8	6.1	8.0	9.6	10.5	10.7	10.3
104.5°	1.7	1.4	1.1	1.7	3.5	5.8	7.7	9.2	10.1	10.3	9.9
105°	1.7	1.6	1.1	1.6	3.3	5.5	7.3	8.8	9.7	10.0	9.6
105.5°	1.7	1.8	1.1	1.5	3.1	5.2	7.0	8.4	9.4	9.6	9.2
106°	1.6	1.8	1.1	1.5	2.9	4.9	6.7	8.1	9.0	9.3	8.8
106.5°	1.6	1.7	1.1	1.5	2.7	4.6	6.4	7.8	8.7	8.9	8.5
107°	1.6	1.6	1.1	1.4	2.6	4.4	6.1	7.4	8.3	8.6	8.2
107.5°	1.6	1.6	1.2	1.4	2.4	4.1	5.8	7.1	8.0	8.3	7.9
108°	1.7	1.6	1.2	1.4	2.3	3.9	5.5	6.8	7.7	7.9	7.6
108.5°	1.7	1.7	1.2	1.3	2.2	3.7	5.2	6.5	7.4	7.6	7.3
109°	1.7	1.7	1.3	1.3	2.0	3.5	5.0	6.2	7.1	7.3	7.0
109.5°	1.7	1.7	1.3	1.2	1.9	3.3	4.7	5.9	6.8	7.0	6.7
110°	1.7	1.7	1.3	1.2	1.9	3.1	4.4	5.7	6.5	6.7	6.5
110.5°	1.7	1.7	1.3	1.2	1.8	2.9	4.2	5.4	6.2	6.5	6.2
111°	1.7	1.7	1.4	1.2	1.8	2.8	4.0	5.2	6.0	6.2	6.0



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.7	1.7	1.5	1.3	1.6	2.4	3.4	4.5	5.2	5.4	5.2
113°	1.8	1.7	1.5	1.4	1.6	2.3	3.2	4.2	5.0	5.2	5.0
113.5°	1.8	1.7	1.6	1.4	1.6	2.2	3.1	4.0	4.7	4.9	4.8
114°	1.8	1.7	1.6	1.4	1.5	2.1	2.9	3.8	4.5	4.7	4.6
114.5°	1.8	1.8	1.7	1.4	1.5	2.0	2.8	3.6	4.3	4.5	4.4
115°	1.9	1.8	1.7	1.5	1.4	2.0	2.6	3.5	4.1	4.3	4.2
115.5°	1.9	1.8	1.8	1.5	1.4	1.9	2.5	3.3	3.9	4.1	4.0
116°	1.9	1.8	1.8	1.5	1.5	1.9	2.5	3.2	3.7	4.0	3.9
116.5°	1.9	1.9	1.9	1.5	1.5	1.9	2.4	3.0	3.6	3.8	3.7
117°	1.9	1.9	2.0	1.6	1.5	1.9	2.3	2.9	3.4	3.6	3.6
117.5°	1.9	2.0	2.2	1.6	1.5	1.8	2.3	2.8	3.3	3.5	3.4
118°	1.9	2.0	2.2	1.6	1.5	1.7	2.2	2.7	3.1	3.4	3.3
118.5°	1.9	2.0	2.3	1.7	1.6	1.7	2.1	2.6	3.0	3.2	3.2
119°	1.9	2.1	2.3	1.7	1.6	1.6	2.1	2.5	2.9	3.2	3.1
119.5°	1.9	2.1	2.2	1.7	1.6	1.6	2.1	2.5	2.9	3.1	3.0
120°	2.0	2.1	2.2	1.8	1.6	1.6	2.0	2.4	2.8	3.0	3.0
120.5°	2.0	2.1	2.1	1.8	1.7	1.7	1.9	2.3	2.7	2.9	2.9
121°	2.0	2.1	2.1	1.8	1.7	1.7	1.9	2.3	2.6	2.8	2.8
121.5°	2.0	2.1	2.2	1.9	1.7	1.7	1.8	2.2	2.6	2.8	2.8
122°	2.0	2.2	2.2	1.9	1.8	1.7	1.8	2.2	2.5	2.7	2.7
122.5°	2.0	2.2	2.2	2.0	1.8	1.8	1.8	2.1	2.4	2.6	2.7
123°	2.1	2.2	2.3	2.0	1.8	1.8	1.8	2.0	2.4	2.6	2.6
123.5°	2.1	2.2	2.3	2.1	1.9	1.8	1.8	2.0	2.3	2.6	2.6
124°	2.1	2.2	2.3	2.1	1.9	1.9	1.8	1.9	2.3	2.5	2.5
124.5°	2.1	2.3	2.3	2.2	1.9	1.9	1.8	1.9	2.2	2.4	2.4
125°	2.1	2.3	2.4	2.2	2.0	1.9	1.8	1.9	2.2	2.4	2.4
125.5°	2.2	2.3	2.4	2.3	2.0	1.9	1.8	1.9	2.1	2.3	2.4
126°	2.2	2.3	2.4	2.4	2.1	2.0	1.9	1.9	2.1	2.3	2.4
126.5°	2.2	2.3	2.4	2.5	2.1	2.0	1.9	2.0	2.1	2.3	2.4
127°	2.2	2.3	2.4	2.5	2.1	2.0	2.0	2.0	2.2	2.3	2.4
127.5°	2.3	2.3	2.4	2.6	2.2	2.0	2.0	2.0	2.2	2.4	2.5
128°	2.3	2.3	2.4	2.7	2.2	2.1	2.0	2.1	2.2	2.4	2.5
128.5°	2.3	2.3	2.3	2.7	2.2	2.1	2.1	2.1	2.3	2.4	2.5
129°	2.3	2.3	2.3	2.7	2.3	2.2	2.1	2.2	2.3	2.5	2.6
129.5°	2.3	2.3	2.3	2.8	2.3	2.2	2.2	2.2	2.4	2.5	2.6
130°	2.3	2.3	2.3	2.7	2.4	2.2	2.2	2.3	2.4	2.6	2.6
130.5°	2.3	2.3	2.3	2.7	2.4	2.3	2.3	2.3	2.5	2.6	2.7
131°	2.4	2.4	2.3	2.8	2.5	2.3	2.3	2.4	2.5	2.6	2.7
131.5°	2.4	2.4	2.3	2.8	2.6	2.4	2.4	2.4	2.6	2.7	2.8
132°	2.4	2.4	2.4	2.8	2.6	2.4	2.4	2.5	2.6	2.7	2.8
132.5°	2.4	2.4	2.4	2.9	2.7	2.5	2.5	2.5	2.6	2.7	2.8
133°	2.4	2.4	2.4	2.9	2.8	2.6	2.5	2.6	2.7	2.8	2.9
133.5°	2.4	2.5	2.4	3.0	2.9	2.6	2.6	2.6	2.7	2.8	2.9



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8
0.5°	1582.1	1582.0	1581.9	1581.8	1581.6	1581.4	1581.2	1581.1	1581.1	1581.1	1581.1
1°	1582.1	1582.3	1582.5	1582.6	1582.4	1582.1	1581.7	1581.3	1581.0	1580.7	1580.7
1.5°	1582.5	1582.4	1581.9	1581.2	1580.7	1580.7	1580.7	1580.5	1580.1	1579.9	1579.8
2°	1582.5	1581.3	1579.9	1580.0	1579.9	1579.3	1579.1	1579.2	1578.9	1578.7	1578.7
2.5°	1581.2	1581.0	1581.2	1580.2	1580.1	1579.8	1578.8	1578.6	1578.3	1578.1	1577.7
3°	1580.6	1580.2	1579.9	1579.2	1579.2	1578.9	1578.5	1578.0	1576.7	1575.7	1576.0
3.5°	1579.3	1579.0	1578.9	1579.0	1578.3	1577.1	1576.8	1577.1	1575.2	1574.5	1574.3
4°	1579.0	1578.3	1577.6	1577.7	1577.4	1576.6	1575.5	1575.8	1574.8	1573.5	1572.4
4.5°	1576.1	1577.0	1575.5	1576.4	1576.5	1575.3	1574.1	1573.3	1572.8	1571.7	1570.9
5°	1575.4	1575.4	1575.1	1574.3	1574.7	1574.1	1573.0	1572.0	1571.4	1570.4	1568.5
5.5°	1574.5	1573.9	1573.6	1572.7	1573.0	1571.9	1571.7	1570.6	1570.0	1568.8	1566.6
6°	1572.7	1572.0	1571.3	1571.0	1570.8	1570.2	1569.8	1568.6	1567.7	1566.9	1564.1
6.5°	1570.5	1569.9	1569.5	1568.9	1568.5	1569.1	1568.1	1566.6	1564.9	1564.8	1561.9
7°	1568.5	1567.5	1568.0	1567.0	1566.7	1566.8	1566.1	1564.1	1562.4	1561.7	1559.8
7.5°	1565.9	1565.2	1565.4	1565.4	1564.2	1564.3	1563.3	1562.4	1559.8	1559.4	1557.7
8°	1563.4	1563.1	1562.6	1562.8	1562.3	1562.3	1560.3	1559.2	1557.5	1556.9	1554.3
8.5°	1560.2	1560.3	1559.8	1559.6	1560.0	1559.1	1558.9	1556.8	1555.7	1553.8	1551.6
9°	1557.1	1557.4	1557.1	1557.0	1557.5	1556.2	1555.7	1554.6	1552.1	1550.6	1548.6
9.5°	1554.5	1554.6	1553.8	1553.9	1554.0	1553.8	1552.3	1551.0	1548.5	1547.3	1544.7
10°	1551.0	1551.2	1550.5	1551.4	1550.9	1549.6	1549.7	1548.1	1545.6	1544.1	1541.3
10.5°	1547.5	1547.9	1546.5	1548.1	1547.6	1546.8	1546.8	1545.1	1542.9	1540.1	1538.0
11°	1543.2	1544.6	1543.9	1545.1	1544.5	1544.0	1543.5	1541.8	1539.1	1536.2	1533.9
11.5°	1539.2	1540.7	1539.8	1540.9	1540.9	1541.0	1539.7	1537.7	1534.9	1532.9	1529.6
12°	1535.4	1536.2	1535.9	1536.7	1537.5	1536.7	1536.0	1534.1	1531.7	1529.4	1525.6
12.5°	1531.2	1532.3	1532.2	1532.4	1533.8	1532.9	1532.1	1530.5	1528.1	1524.6	1521.9
13°	1526.9	1527.9	1527.4	1528.0	1529.1	1528.7	1528.5	1526.7	1524.5	1520.3	1517.7
13.5°	1521.8	1522.5	1522.6	1524.0	1524.8	1524.4	1524.3	1522.5	1519.4	1515.8	1512.3
14°	1516.6	1517.8	1518.6	1519.8	1520.6	1520.3	1520.0	1518.7	1514.9	1511.4	1507.6
14.5°	1511.5	1512.8	1513.8	1514.9	1516.2	1516.1	1515.6	1513.9	1511.1	1506.4	1502.6
15°	1506.1	1508.2	1508.7	1510.1	1512.0	1511.2	1511.2	1508.9	1506.6	1501.0	1497.6
15.5°	1500.6	1503.3	1504.0	1505.5	1507.3	1506.2	1506.8	1504.2	1501.3	1496.3	1492.5
16°	1494.7	1497.3	1498.5	1500.0	1501.9	1501.7	1501.7	1499.8	1496.2	1491.9	1487.4
16.5°	1489.0	1491.8	1493.0	1494.6	1496.4	1496.8	1496.3	1495.1	1491.6	1486.7	1481.6
17°	1483.0	1485.6	1487.0	1489.0	1491.4	1491.3	1491.2	1490.0	1486.2	1481.0	1475.4
17.5°	1476.7	1479.9	1481.5	1483.3	1486.3	1486.4	1486.9	1484.4	1480.6	1475.6	1469.8
18°	1470.7	1473.1	1475.7	1478.3	1480.5	1480.6	1480.9	1478.6	1474.7	1469.9	1463.6
18.5°	1463.9	1466.1	1469.9	1472.1	1474.8	1474.6	1474.6	1473.2	1469.1	1463.4	1457.0
19°	1456.7	1459.4	1463.1	1465.4	1468.9	1469.2	1469.3	1467.6	1463.8	1457.2	1451.1
19.5°	1449.7	1452.8	1456.4	1459.6	1462.5	1463.0	1463.4	1461.5	1457.6	1451.2	1444.4
20°	1443.4	1446.6	1449.9	1453.2	1456.1	1457.3	1457.3	1455.7	1451.5	1444.9	1437.8
20.5°	1436.0	1439.3	1443.4	1446.2	1450.1	1450.8	1450.8	1449.7	1445.4	1438.5	1431.0
21°	1428.4	1432.7	1435.9	1439.4	1443.2	1444.8	1444.8	1443.1	1438.9	1431.5	1424.2



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1404.9	1408.7	1413.7	1418.9	1422.7	1424.9	1424.9	1422.7	1418.5	1410.4	1402.9
23°	1396.7	1401.0	1406.4	1411.3	1415.6	1417.6	1417.8	1415.6	1411.5	1403.8	1394.8
23.5°	1388.4	1392.9	1398.4	1403.2	1408.7	1411.0	1411.2	1409.0	1404.3	1396.9	1387.4
24°	1379.5	1385.1	1390.1	1395.8	1400.9	1403.4	1403.8	1402.0	1397.3	1389.3	1379.7
24.5°	1370.9	1376.3	1382.2	1387.8	1393.1	1396.1	1397.0	1394.7	1389.7	1381.5	1371.8
25°	1362.6	1367.7	1374.2	1379.8	1385.3	1388.8	1389.8	1387.3	1382.2	1373.4	1363.5
25.5°	1353.5	1359.3	1365.5	1371.4	1377.3	1380.9	1381.8	1379.5	1374.5	1365.7	1355.7
26°	1344.4	1350.5	1357.0	1362.9	1369.5	1372.9	1373.7	1372.3	1366.8	1357.6	1347.2
26.5°	1335.3	1341.0	1348.0	1354.5	1361.7	1365.4	1366.0	1364.3	1358.5	1349.7	1338.7
27°	1325.5	1332.2	1339.1	1346.1	1352.8	1357.0	1357.9	1355.8	1350.7	1341.3	1330.2
27.5°	1316.2	1322.5	1330.2	1337.3	1344.9	1348.6	1349.6	1347.8	1342.5	1333.0	1321.3
28°	1306.2	1313.4	1320.5	1328.8	1336.0	1339.8	1341.1	1339.6	1334.0	1324.5	1312.3
28.5°	1296.4	1303.4	1311.6	1319.7	1326.9	1331.6	1332.9	1331.5	1325.6	1315.7	1303.9
29°	1286.3	1293.7	1302.4	1310.0	1318.6	1323.5	1324.7	1322.7	1317.0	1307.0	1294.6
29.5°	1275.8	1283.2	1292.5	1300.7	1309.4	1314.0	1316.4	1314.1	1307.9	1298.0	1285.0
30°	1265.9	1273.7	1282.9	1291.7	1300.2	1306.0	1306.8	1305.3	1298.8	1288.9	1275.9
30.5°	1255.5	1262.7	1272.9	1282.5	1290.8	1296.6	1297.7	1295.9	1290.7	1279.6	1266.3
31°	1244.1	1253.1	1263.1	1272.4	1281.7	1286.9	1289.2	1287.6	1281.2	1270.0	1256.8
31.5°	1233.3	1242.7	1252.9	1262.3	1272.5	1278.0	1279.8	1278.0	1271.5	1261.1	1247.2
32°	1222.6	1231.7	1242.4	1252.8	1262.3	1268.4	1270.1	1268.9	1262.8	1251.5	1237.3
32.5°	1211.6	1221.5	1232.4	1242.7	1252.3	1259.0	1261.0	1259.7	1252.9	1241.9	1227.6
33°	1200.6	1210.2	1222.0	1232.6	1243.3	1249.0	1251.7	1249.8	1243.6	1232.2	1217.1
33.5°	1189.3	1199.4	1211.1	1222.6	1232.8	1239.5	1241.5	1240.5	1233.9	1222.1	1206.9
34°	1178.1	1188.3	1200.4	1212.1	1222.2	1229.6	1231.9	1231.2	1224.1	1212.2	1196.8
34.5°	1167.1	1177.1	1189.6	1201.4	1212.3	1220.0	1222.2	1221.0	1213.7	1202.5	1187.7
35°	1155.4	1165.5	1178.6	1190.5	1202.3	1209.5	1212.5	1210.9	1204.1	1192.2	1177.8
35.5°	1143.1	1154.7	1167.5	1179.8	1191.8	1198.7	1202.1	1200.8	1194.1	1182.6	1166.6
36°	1131.4	1143.0	1156.3	1169.4	1180.7	1189.0	1192.0	1191.2	1184.2	1171.7	1155.5
36.5°	1119.7	1131.1	1145.2	1158.7	1170.3	1178.8	1181.8	1181.1	1173.4	1160.9	1144.4
37°	1107.8	1119.7	1133.8	1146.8	1160.2	1168.5	1171.3	1170.3	1162.7	1150.1	1133.3
37.5°	1096.1	1107.7	1122.3	1136.2	1149.0	1157.8	1160.7	1159.6	1152.1	1139.3	1122.3
38°	1083.9	1096.3	1111.2	1125.4	1138.3	1146.7	1150.0	1148.9	1141.4	1128.5	1111.3
38.5°	1072.2	1083.9	1099.8	1113.8	1126.4	1135.7	1139.4	1138.2	1130.7	1117.7	1099.9
39°	1060.0	1072.5	1087.8	1102.2	1115.7	1124.6	1128.4	1127.3	1119.7	1106.7	1089.0
39.5°	1048.1	1060.4	1076.0	1090.8	1104.4	1113.6	1117.2	1116.0	1108.5	1095.8	1077.4
40°	1035.5	1048.1	1064.1	1079.3	1093.2	1102.7	1106.4	1105.1	1097.6	1084.5	1066.2
40.5°	1022.8	1036.1	1051.8	1068.2	1081.4	1091.6	1095.2	1093.6	1086.5	1073.4	1054.9
41°	1010.2	1023.5	1040.1	1055.9	1070.3	1079.8	1083.6	1082.7	1075.2	1062.4	1043.5
41.5°	998.4	1011.5	1028.2	1044.0	1058.4	1068.5	1072.6	1071.4	1064.2	1050.4	1031.5
42°	986.2	999.9	1016.2	1032.3	1046.8	1056.8	1060.7	1060.5	1052.4	1038.4	1019.8
42.5°	973.9	987.4	1004.2	1020.5	1034.9	1045.2	1049.4	1048.7	1041.2	1027.3	1007.8
43°	961.4	974.2	991.8	1008.5	1023.3	1034.4	1037.8	1037.1	1029.4	1015.8	997.1
43.5°	948.5	962.5	979.8	996.6	1011.8	1022.1	1026.2	1025.4	1017.5	1004.0	984.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	911.5	925.3	943.0	960.2	976.3	986.6	990.6	990.2	982.6	968.1	948.9
45.5°	898.5	912.5	930.6	948.1	963.4	974.1	979.0	978.3	970.1	956.1	936.7
46°	886.0	899.8	918.2	935.6	951.3	962.6	966.6	966.2	957.9	944.4	924.7
46.5°	873.3	887.8	905.3	923.3	938.8	950.0	954.4	953.8	946.0	932.3	912.7
47°	861.0	874.8	893.0	911.2	927.1	938.4	942.7	941.8	933.8	919.9	900.4
47.5°	848.5	863.2	880.6	898.6	914.9	926.3	929.8	929.6	921.8	907.7	888.1
48°	836.0	849.9	868.1	886.2	902.5	913.9	917.7	917.0	909.6	895.7	875.9
48.5°	823.7	837.7	856.2	874.1	889.5	901.0	905.2	905.0	897.2	883.3	863.2
49°	811.0	825.4	843.9	861.5	877.9	888.9	893.1	892.8	885.2	870.8	851.3
49.5°	799.0	813.1	831.3	848.9	864.9	877.0	881.1	880.3	872.5	858.4	839.2
50°	786.7	800.2	818.8	836.1	853.1	864.4	868.7	868.0	860.2	846.3	826.6
50.5°	774.4	788.0	806.2	824.2	840.4	852.0	856.1	855.4	848.0	833.7	813.9
51°	761.7	775.7	793.9	812.0	828.2	839.2	843.3	842.8	834.9	821.1	801.7
51.5°	749.9	764.1	781.4	799.5	815.3	827.2	830.7	830.4	822.7	809.1	789.2
52°	737.7	751.1	769.1	786.6	803.0	813.8	818.5	817.9	810.2	796.0	776.8
52.5°	725.8	739.0	756.7	774.3	790.3	801.6	806.1	806.4	797.5	783.3	764.3
53°	713.7	727.0	744.2	762.0	778.1	788.9	794.2	793.7	784.8	770.9	752.0
53.5°	701.6	715.1	732.2	749.4	765.6	776.6	782.8	779.7	772.3	758.8	739.5
54°	689.5	701.9	720.1	736.9	753.1	763.7	769.3	766.9	759.2	745.9	727.4
54.5°	677.9	690.5	707.6	724.7	740.0	751.5	755.3	754.4	746.8	733.5	715.0
55°	665.6	678.7	695.5	712.4	727.8	738.6	742.5	741.4	734.0	720.9	702.3
55.5°	653.6	666.8	683.7	700.0	715.0	726.1	729.5	728.5	721.0	708.2	689.7
56°	641.9	654.6	671.3	687.4	702.5	712.9	716.8	717.2	708.7	695.5	677.4
56.5°	630.4	642.7	659.0	675.2	690.0	700.2	704.7	704.3	696.2	682.9	665.1
57°	619.0	630.8	646.6	663.0	677.5	687.7	693.5	689.9	683.7	670.3	652.6
57.5°	607.3	619.3	634.6	651.1	664.9	675.2	680.1	677.4	669.9	657.6	640.3
58°	595.7	607.6	623.1	638.7	652.1	662.4	665.3	664.6	657.3	645.0	627.8
58.5°	584.4	595.7	610.7	625.9	639.5	649.4	652.6	652.0	644.5	632.8	615.4
59°	573.3	584.0	598.5	613.4	627.4	636.7	640.1	639.4	632.1	619.8	602.9
59.5°	561.7	572.8	586.8	601.4	615.0	624.8	628.3	625.6	618.9	607.1	590.9
60°	550.7	561.4	575.0	589.5	603.4	612.2	615.0	612.9	606.2	594.6	578.1
60.5°	539.6	549.9	563.4	577.3	591.2	598.8	600.9	600.2	593.0	581.9	566.0
61°	528.5	538.5	552.0	565.4	578.0	585.4	587.8	587.4	580.4	569.1	553.8
61.5°	517.4	527.0	540.2	553.9	565.0	573.2	575.5	574.1	567.2	556.4	541.2
62°	506.3	515.5	528.5	541.6	556.3	561.9	563.5	561.4	554.3	544.1	529.0
62.5°	495.1	504.0	516.6	529.8	543.1	557.7	547.0	548.1	541.8	531.5	516.6
63°	484.1	493.0	504.7	517.4	530.9	542.2	534.4	535.6	529.2	518.9	504.9
63.5°	473.6	482.0	493.0	504.8	517.2	527.3	522.1	522.5	515.8	506.4	492.7
64°	463.1	471.1	481.5	492.5	503.4	512.3	509.6	509.3	503.3	494.0	480.5
64.5°	452.5	460.0	470.3	480.8	490.7	497.3	497.1	496.5	490.6	481.3	468.2
65°	442.0	449.3	459.3	469.2	478.1	484.0	484.4	483.9	478.0	468.7	456.6
65.5°	431.6	438.7	447.9	457.3	465.8	471.0	472.2	470.9	465.1	456.4	444.4
66°	421.1	428.0	436.5	445.9	453.6	459.6	459.5	458.0	452.5	444.1	432.3



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	391.0	396.3	404.1	411.5	417.7	421.2	420.8	419.7	414.6	407.1	396.9
68°	380.8	386.1	393.2	399.9	405.6	409.0	408.0	407.1	402.0	394.6	384.7
68.5°	370.9	375.7	382.1	388.5	393.7	396.5	395.8	394.3	389.1	382.3	373.3
69°	361.0	365.2	371.5	377.0	381.6	384.2	383.1	381.5	376.4	370.3	361.5
69.5°	350.9	354.9	360.8	366.0	370.2	372.2	370.6	368.5	364.1	358.2	350.2
70°	341.0	345.0	350.3	355.0	358.5	359.6	357.7	356.2	351.8	346.1	338.5
70.5°	331.6	335.1	339.9	343.9	346.7	347.3	345.3	343.6	339.0	334.2	326.9
71°	322.2	325.2	329.4	332.9	335.1	335.3	332.6	331.2	327.0	321.9	315.3
71.5°	312.6	315.5	319.0	321.8	323.6	323.1	320.3	318.7	314.5	310.1	304.1
72°	303.1	305.6	308.6	311.0	312.1	311.2	308.1	306.2	302.2	298.1	292.9
72.5°	293.9	295.7	298.4	300.1	301.0	299.4	295.9	293.7	289.9	286.5	281.8
73°	284.4	285.9	288.2	289.5	289.8	287.5	283.6	281.4	277.8	274.7	270.4
73.5°	275.3	276.4	278.3	279.0	278.6	275.8	271.6	269.2	265.8	263.1	259.5
74°	266.5	267.1	268.5	268.7	267.4	264.2	259.5	257.1	254.0	251.5	248.5
74.5°	257.5	257.9	258.6	258.2	256.3	252.6	247.4	244.8	242.0	239.9	237.9
75°	248.5	248.5	248.8	247.5	245.2	241.1	235.6	233.0	230.4	228.7	227.2
75.5°	239.8	239.4	239.1	237.5	234.5	229.7	223.9	221.1	218.5	217.6	216.7
76°	231.1	230.4	229.5	227.4	223.9	218.5	212.3	209.3	207.0	206.5	206.0
76.5°	222.6	221.4	220.1	217.2	213.4	207.4	200.5	197.6	195.6	195.7	195.9
77°	214.0	212.5	211.0	207.8	202.8	196.3	189.4	186.1	184.4	184.7	185.7
77.5°	205.6	203.9	201.7	197.9	192.4	185.4	178.0	174.8	173.1	174.3	175.8
78°	197.5	195.4	192.6	188.3	182.3	174.8	167.1	163.6	162.3	163.6	165.6
78.5°	189.4	186.9	183.8	179.0	172.4	164.3	156.3	152.6	151.5	153.4	156.2
79°	181.5	178.7	175.0	169.7	162.6	154.0	145.6	142.2	141.3	143.8	147.3
79.5°	173.6	170.5	166.4	160.3	153.0	143.8	134.9	131.8	131.1	134.3	138.3
80°	165.9	162.6	158.0	151.5	143.4	133.7	124.7	121.4	120.9	124.8	129.3
80.5°	158.3	154.7	149.7	142.5	134.1	124.2	114.7	111.0	110.8	115.2	120.4
81°	151.1	147.1	141.7	134.2	125.1	114.7	105.0	101.1	101.2	105.7	111.4
81.5°	143.9	139.5	133.8	125.7	116.4	105.5	95.4	91.0	92.0	96.7	103.0
82°	136.7	132.1	126.1	117.8	107.7	96.5	86.2	81.7	82.7	88.0	94.8
82.5°	129.7	125.0	118.6	109.7	99.4	87.8	77.4	73.0	74.0	79.7	87.1
83°	123.1	118.1	111.3	102.3	91.4	79.4	68.8	64.3	65.7	71.8	79.6
83.5°	116.5	111.4	104.3	94.9	83.6	71.5	60.8	56.2	58.0	64.1	72.4
84°	110.1	104.9	97.6	87.7	76.2	63.8	53.0	48.3	50.1	56.8	65.5
84.5°	104.1	98.5	90.9	80.7	69.1	56.5	46.4	41.0	43.0	49.9	59.0
85°	98.0	92.3	84.4	74.3	62.3	50.5	39.9	34.1	36.2	43.5	52.9
85.5°	92.2	86.4	78.3	68.1	56.1	44.6	33.3	27.6	30.0	37.6	47.2
86°	86.6	80.7	72.6	62.2	50.9	38.7	26.8	23.0	24.3	32.2	41.9
86.5°	81.3	75.3	67.0	56.6	45.7	32.8	21.2	18.3	20.5	27.1	36.9
87°	76.0	70.0	61.6	52.0	40.5	26.9	16.3	13.6	16.7	22.7	32.3
87.5°	71.0	64.9	56.8	47.4	35.4	22.3	12.2	9.0	12.9	19.9	28.1
88°	66.2	60.2	52.5	42.8	30.2	18.4	8.7	4.3	9.2	17.0	24.5
88.5°	61.7	55.4	48.3	38.2	26.2	15.0	6.1	2.0	5.6	14.1	21.2



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	50.0	44.1	36.1	26.7	16.7	7.8	2.7	0.6	2.4	7.1	14.9
90.5°	46.5	40.4	32.7	23.7	14.3	6.3	1.6	0.5	2.0	6.1	13.2
91°	42.9	37.1	29.7	21.0	12.3	5.5	1.2	0.3	1.8	5.3	11.4
91.5°	39.5	34.0	26.8	18.6	10.5	4.9	1.0	0.2	1.6	4.8	9.7
92°	36.5	31.1	24.2	16.6	9.2	4.2	0.8	0.3	1.4	4.5	8.8
92.5°	33.6	28.5	21.9	14.7	8.1	3.5	0.7	0.3	1.3	4.2	8.2
93°	31.0	26.1	19.9	13.2	7.3	3.1	0.6	0.4	1.2	3.9	7.7
93.5°	28.7	23.9	18.1	11.9	6.6	2.8	0.5	0.4	1.1	3.7	7.3
94°	26.4	21.9	16.4	10.8	6.1	2.6	0.5	0.5	1.1	3.6	7.0
94.5°	24.4	20.1	15.0	9.9	5.8	2.3	0.5	0.5	1.1	3.6	6.7
95°	22.5	18.5	13.8	9.2	5.4	2.2	0.6	0.6	1.1	3.5	6.4
95.5°	20.8	17.1	12.8	8.6	5.1	2.0	0.6	0.7	1.1	3.5	6.2
96°	19.3	15.9	11.9	8.2	4.7	1.8	0.7	0.8	1.1	3.4	6.1
96.5°	18.0	14.8	11.2	7.8	4.4	1.7	0.8	0.8	1.1	3.2	6.0
97°	16.9	13.9	10.7	7.4	4.2	1.6	0.9	0.9	1.1	3.1	5.9
97.5°	15.8	13.2	10.1	7.0	4.0	1.5	1.0	1.0	1.0	3.0	5.8
98°	15.0	12.5	9.7	6.7	3.7	1.5	1.0	1.1	1.1	2.9	5.7
98.5°	14.2	12.0	9.3	6.4	3.5	1.4	1.1	1.2	1.2	2.8	5.6
99°	13.6	11.5	8.9	6.0	3.3	1.4	1.2	1.4	1.2	2.8	5.5
99.5°	13.0	11.1	8.5	5.8	3.2	1.3	1.3	1.5	1.4	2.8	5.4
100°	12.6	10.6	8.2	5.5	3.0	1.3	1.4	1.6	1.5	2.8	5.2
100.5°	12.1	10.2	7.8	5.2	2.8	1.3	1.4	1.8	1.5	2.8	5.1
101°	11.7	9.8	7.5	4.9	2.7	1.3	1.5	1.9	1.6	2.7	5.0
101.5°	11.2	9.4	7.2	4.6	2.5	1.3	1.6	1.9	1.7	2.6	4.9
102°	10.8	9.0	6.8	4.4	2.4	1.3	1.6	2.0	1.8	2.6	4.8
102.5°	10.4	8.7	6.5	4.2	2.2	1.3	1.7	2.1	1.9	2.5	4.7
103°	10.0	8.3	6.3	4.0	2.1	1.4	1.9	2.1	1.9	2.4	4.6
103.5°	9.6	8.0	6.0	3.8	2.0	1.5	1.9	2.2	2.0	2.3	4.5
104°	9.3	7.7	5.7	3.6	2.0	1.6	2.0	2.2	2.1	2.3	4.4
104.5°	8.9	7.4	5.5	3.5	2.0	1.7	2.1	2.3	2.2	2.3	4.3
105°	8.6	7.0	5.2	3.3	2.0	1.8	2.2	2.3	2.2	2.2	4.2
105.5°	8.2	6.8	5.0	3.1	1.9	1.8	2.6	2.4	2.3	2.2	4.0
106°	7.9	6.5	4.8	3.0	1.9	1.9	2.9	2.5	2.4	2.2	3.9
106.5°	7.6	6.2	4.6	2.9	1.9	1.9	3.2	2.6	2.6	2.2	3.7
107°	7.3	6.0	4.4	2.7	1.9	1.9	3.4	2.6	2.9	2.1	3.6
107.5°	7.0	5.7	4.2	2.6	1.9	2.0	3.5	2.7	3.1	2.1	3.5
108°	6.7	5.5	4.0	2.5	1.9	2.0	3.5	2.7	3.1	2.1	3.4
108.5°	6.4	5.2	3.8	2.5	1.9	2.1	3.4	2.8	3.0	2.2	3.3
109°	6.2	5.0	3.6	2.4	2.0	2.2	3.3	2.8	3.0	2.2	3.2
109.5°	5.9	4.7	3.5	2.3	2.1	2.3	3.3	2.8	3.1	2.3	3.1
110°	5.7	4.5	3.3	2.2	2.1	2.3	3.2	2.9	3.1	2.4	3.1
110.5°	5.5	4.3	3.2	2.2	2.1	2.4	3.2	2.9	3.2	2.4	3.0
111°	5.2	4.1	3.0	2.2	2.2	2.5	3.2	2.9	3.3	2.5	3.0



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	3.3	3.7	4.3	5.2	5.1	4.1	3.6	3.3	4.2	4.4	4.0
135.5°	3.3	3.8	4.4	5.3	5.0	4.1	3.6	3.4	4.2	4.4	4.0
136°	3.4	3.8	4.4	5.3	5.0	4.1	3.6	3.4	4.2	4.4	4.1
136.5°	3.5	3.9	4.5	5.3	4.9	4.1	3.7	3.4	4.2	4.4	4.1
137°	3.5	4.0	4.6	5.4	4.9	4.1	3.7	3.4	4.1	4.4	4.1
137.5°	3.6	4.0	4.6	5.4	4.8	4.1	3.7	3.4	4.1	4.4	4.1
138°	3.6	4.1	4.8	5.4	4.7	4.1	3.7	3.3	4.1	4.4	4.1
138.5°	3.7	4.2	4.9	5.4	4.7	4.1	3.7	3.3	3.9	4.4	4.1
139°	3.8	4.2	5.0	5.4	4.6	4.1	3.7	3.4	3.9	4.4	4.1
139.5°	3.8	4.3	5.0	5.4	4.5	4.1	3.7	3.4	3.9	4.4	4.1
140°	3.9	4.3	5.1	5.4	4.5	4.1	3.8	3.3	4.0	4.4	4.2
140.5°	3.9	4.4	5.1	5.4	4.4	4.1	3.8	3.3	4.0	4.5	4.2
141°	4.0	4.5	5.2	5.3	4.3	4.1	3.7	3.3	4.0	4.5	4.1
141.5°	4.1	4.6	5.2	5.2	4.3	4.1	3.7	3.3	4.0	4.5	4.1
142°	4.1	4.7	5.3	5.1	4.2	4.1	3.8	3.3	4.0	4.5	4.1
142.5°	4.2	4.8	5.3	5.1	4.2	4.1	3.8	3.2	4.0	4.5	4.1
143°	4.2	4.9	5.3	5.0	4.1	4.1	3.7	3.1	3.9	4.4	4.0
143.5°	4.3	5.0	5.3	4.9	4.1	4.1	3.6	3.2	3.9	4.3	4.0
144°	4.4	5.0	5.3	4.8	4.1	4.1	3.7	3.2	3.9	4.3	4.1
144.5°	4.5	5.0	5.2	4.7	4.0	4.0	3.7	3.3	3.9	4.4	4.2
145°	4.7	5.0	5.2	4.6	4.0	4.0	3.7	3.3	3.8	4.5	4.2
145.5°	4.8	5.1	5.1	4.6	4.0	4.0	3.7	3.2	3.8	4.5	4.1
146°	4.9	5.1	5.1	4.5	4.0	4.0	3.7	3.2	3.8	4.5	4.1
146.5°	4.9	5.0	5.0	4.4	4.0	4.0	3.7	3.2	3.7	4.5	4.2
147°	4.9	5.0	4.9	4.3	3.9	4.0	3.7	3.2	3.7	4.5	4.3
147.5°	4.9	5.0	4.8	4.2	3.9	4.0	3.6	3.2	3.8	4.5	4.3
148°	4.8	5.0	4.7	4.1	3.9	3.8	3.5	3.3	3.8	4.5	4.3
148.5°	4.8	4.9	4.6	4.1	3.9	3.8	3.6	3.3	3.7	4.5	4.3
149°	4.8	4.9	4.6	4.0	3.8	3.9	3.6	3.3	3.7	4.4	4.4
149.5°	4.7	4.8	4.4	3.9	3.8	3.9	3.6	3.2	3.7	4.4	4.4
150°	4.7	4.7	4.3	3.9	3.8	3.9	3.6	3.3	3.7	4.4	4.4
150.5°	4.7	4.6	4.2	3.8	3.8	3.8	3.6	3.3	3.7	4.3	4.4
151°	4.7	4.5	4.1	3.8	3.7	3.8	3.6	3.3	3.6	4.3	4.2
151.5°	4.7	4.4	4.0	3.7	3.7	3.8	3.5	3.3	3.6	4.3	4.2
152°	4.6	4.3	4.0	3.7	3.7	3.8	3.5	3.3	3.5	4.2	4.3
152.5°	4.5	4.2	3.9	3.7	3.8	3.8	3.5	3.3	3.3	4.1	4.4
153°	4.4	4.1	3.8	3.6	3.7	3.7	3.5	3.2	3.2	4.1	4.4
153.5°	4.3	4.0	3.7	3.6	3.7	3.7	3.5	3.1	3.1	4.0	4.4
154°	4.2	4.0	3.7	3.6	3.7	3.7	3.5	3.1	3.1	4.0	4.4
154.5°	4.1	3.9	3.6	3.6	3.7	3.7	3.4	3.1	3.1	3.8	4.3
155°	4.0	3.8	3.5	3.6	3.7	3.6	3.4	3.0	3.0	3.6	4.1
155.5°	3.9	3.7	3.5	3.5	3.6	3.4	3.4	2.9	2.9	3.5	3.9
156°	3.8	3.6	3.5	3.6	3.6	3.4	3.3	2.8	2.9	3.4	3.8



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7



TEST NUMBER: P563535
 CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8
0.5°	1581.2	1581.2	1581.2	1581.2	1581.3	1581.3	1581.3	1581.4	1581.4	1581.4	1581.4
1°	1580.7	1580.7	1580.5	1580.1	1579.8	1579.6	1579.8	1580.1	1580.5	1580.8	1581.0
1.5°	1579.9	1579.9	1579.9	1579.7	1579.6	1579.5	1579.7	1579.9	1580.2	1580.3	1580.5
2°	1578.5	1578.5	1578.4	1578.0	1577.8	1577.8	1578.0	1578.4	1578.8	1579.2	1579.3
2.5°	1577.6	1577.4	1576.8	1576.1	1576.2	1576.4	1576.4	1576.6	1577.1	1577.8	1578.2
3°	1576.1	1575.9	1575.0	1574.7	1575.0	1575.2	1575.1	1575.1	1575.6	1576.2	1576.5
3.5°	1573.6	1573.5	1573.3	1572.7	1572.9	1573.4	1573.7	1573.9	1574.3	1574.9	1575.4
4°	1572.4	1572.2	1571.6	1571.0	1571.3	1571.7	1572.0	1572.1	1572.2	1572.9	1573.4
4.5°	1570.0	1569.6	1569.5	1569.5	1569.4	1569.1	1569.3	1569.8	1570.1	1571.0	1572.2
5°	1568.0	1567.8	1566.9	1566.5	1566.0	1565.8	1566.4	1567.3	1568.3	1569.5	1570.9
5.5°	1566.0	1565.3	1564.7	1564.1	1563.8	1564.1	1564.1	1564.8	1566.0	1567.6	1569.1
6°	1563.1	1562.5	1562.0	1561.6	1561.5	1561.1	1561.1	1561.7	1563.2	1564.4	1566.3
6.5°	1560.4	1559.3	1558.8	1558.4	1558.1	1558.4	1558.4	1559.3	1560.6	1562.0	1564.1
7°	1558.2	1557.1	1555.7	1555.0	1555.2	1555.5	1555.8	1556.6	1558.1	1559.2	1562.1
7.5°	1555.5	1554.4	1552.5	1552.0	1551.4	1550.8	1551.7	1553.0	1554.5	1556.4	1559.0
8°	1551.9	1551.0	1549.4	1548.3	1547.8	1547.9	1548.4	1549.6	1551.2	1552.9	1555.9
8.5°	1548.5	1546.7	1545.8	1544.8	1544.0	1544.3	1544.6	1546.0	1548.0	1549.8	1552.8
9°	1544.5	1543.1	1542.0	1540.7	1540.5	1540.4	1540.5	1541.8	1544.3	1547.0	1550.4
9.5°	1541.4	1539.6	1537.5	1536.7	1536.3	1536.0	1536.2	1537.9	1540.3	1543.2	1546.9
10°	1538.7	1535.8	1533.8	1532.4	1532.0	1531.9	1531.8	1533.6	1536.5	1539.6	1543.1
10.5°	1534.2	1531.8	1529.3	1527.7	1527.1	1526.4	1527.5	1529.6	1532.2	1535.7	1540.0
11°	1529.8	1527.3	1524.8	1523.4	1522.5	1522.3	1522.7	1524.5	1527.8	1531.1	1535.8
11.5°	1525.3	1522.6	1520.0	1518.3	1517.6	1517.0	1518.0	1519.9	1523.2	1527.7	1531.1
12°	1521.5	1517.8	1515.0	1513.4	1512.3	1512.0	1513.3	1515.6	1518.7	1523.5	1528.0
12.5°	1517.2	1513.2	1510.4	1508.6	1507.5	1506.3	1507.9	1510.2	1513.7	1518.4	1524.1
13°	1512.5	1508.1	1505.0	1502.8	1501.0	1500.6	1502.5	1504.8	1508.2	1513.5	1518.9
13.5°	1506.9	1502.6	1499.4	1497.0	1495.2	1495.1	1496.7	1498.9	1503.0	1508.2	1514.5
14°	1502.3	1497.5	1494.0	1491.3	1489.4	1490.0	1490.6	1493.3	1497.9	1503.9	1509.0
14.5°	1496.9	1491.6	1488.4	1485.7	1483.0	1483.3	1485.1	1487.5	1492.2	1498.4	1504.4
15°	1491.4	1486.1	1482.7	1479.3	1477.4	1477.1	1478.6	1481.8	1486.0	1492.5	1499.0
15.5°	1486.3	1480.7	1476.2	1472.7	1471.3	1470.4	1472.0	1475.3	1480.4	1486.8	1493.8
16°	1480.6	1474.8	1469.8	1465.9	1463.7	1463.6	1465.1	1468.7	1473.9	1480.6	1487.8
16.5°	1474.6	1468.6	1463.5	1459.4	1457.3	1457.5	1458.8	1462.1	1467.8	1474.6	1482.0
17°	1468.7	1462.3	1457.2	1453.1	1450.8	1450.3	1451.9	1455.4	1461.2	1469.0	1476.2
17.5°	1462.4	1455.9	1450.5	1446.2	1443.6	1442.9	1445.0	1448.3	1454.3	1462.4	1470.8
18°	1455.9	1449.0	1443.5	1438.7	1436.0	1435.1	1436.8	1441.7	1447.8	1455.8	1464.6
18.5°	1449.3	1442.4	1436.0	1430.8	1428.6	1428.1	1429.8	1434.5	1441.3	1449.2	1458.1
19°	1443.3	1435.0	1428.4	1423.4	1421.5	1419.9	1421.6	1426.6	1433.3	1442.1	1450.9
19.5°	1435.7	1427.7	1421.0	1415.7	1413.6	1412.2	1414.2	1418.7	1425.8	1435.4	1444.7
20°	1429.1	1420.9	1413.7	1407.9	1404.8	1404.3	1406.8	1411.2	1418.7	1428.3	1438.8
20.5°	1422.2	1413.4	1406.1	1399.8	1396.3	1395.9	1398.5	1403.8	1411.2	1421.1	1432.0
21°	1414.6	1405.9	1398.1	1391.6	1387.7	1387.6	1390.0	1395.4	1403.5	1414.0	1424.5



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1392.0	1381.8	1373.2	1366.6	1361.7	1361.0	1363.3	1369.0	1378.4	1390.7	1402.2
23°	1384.6	1373.6	1364.9	1357.6	1353.0	1352.7	1354.5	1360.7	1370.3	1382.6	1395.2
23.5°	1376.3	1364.8	1355.8	1348.5	1344.5	1342.8	1345.2	1351.5	1361.7	1374.0	1387.2
24°	1368.3	1356.6	1346.8	1338.7	1334.7	1333.1	1335.3	1342.7	1352.6	1365.4	1378.8
24.5°	1360.0	1348.2	1337.6	1329.2	1325.3	1323.1	1326.5	1334.3	1344.4	1357.0	1370.9
25°	1352.6	1339.5	1329.2	1320.3	1316.1	1313.6	1316.9	1324.9	1335.4	1348.5	1362.4
25.5°	1343.1	1330.3	1319.9	1310.7	1305.6	1303.9	1307.1	1314.7	1325.7	1339.5	1354.4
26°	1334.3	1321.1	1310.0	1301.2	1296.2	1293.9	1297.4	1305.0	1317.0	1331.0	1346.2
26.5°	1325.6	1312.1	1300.1	1291.3	1286.4	1283.9	1286.8	1295.3	1307.3	1322.0	1337.2
27°	1317.2	1303.4	1290.8	1280.8	1275.6	1274.2	1276.9	1285.1	1297.7	1312.5	1328.3
27.5°	1308.0	1293.1	1280.9	1270.4	1264.6	1264.0	1266.8	1274.9	1287.7	1303.6	1319.1
28°	1298.3	1283.7	1271.1	1260.3	1254.8	1253.1	1256.7	1265.7	1278.4	1294.0	1310.6
28.5°	1289.4	1274.6	1261.3	1250.7	1244.4	1242.4	1245.7	1255.0	1268.4	1284.1	1300.6
29°	1280.1	1264.3	1251.0	1239.7	1233.4	1232.5	1235.8	1244.0	1257.5	1274.1	1291.5
29.5°	1270.5	1254.1	1240.6	1229.1	1222.9	1220.9	1223.8	1233.6	1247.6	1264.8	1282.7
30°	1260.8	1244.0	1230.1	1218.5	1211.7	1210.0	1213.8	1223.3	1237.4	1255.1	1273.0
30.5°	1250.8	1234.2	1219.6	1207.7	1201.3	1198.9	1202.6	1212.2	1226.6	1244.6	1263.0
31°	1240.9	1223.8	1209.0	1196.9	1190.2	1187.8	1191.9	1201.8	1216.2	1234.3	1253.7
31.5°	1230.8	1213.5	1198.4	1185.9	1178.7	1176.3	1180.6	1191.0	1205.9	1224.4	1243.4
32°	1220.4	1203.3	1187.8	1174.4	1167.2	1164.8	1169.2	1179.6	1195.5	1214.1	1233.6
32.5°	1210.9	1192.8	1176.7	1162.8	1155.7	1153.4	1157.8	1168.1	1184.6	1203.9	1223.5
33°	1200.3	1181.8	1165.7	1151.3	1144.2	1141.9	1146.4	1156.7	1173.3	1193.5	1213.6
33.5°	1189.3	1170.7	1154.6	1139.7	1132.7	1130.4	1135.0	1145.3	1162.1	1182.8	1203.3
34°	1180.3	1159.8	1143.7	1128.8	1120.5	1118.7	1122.6	1133.8	1150.8	1171.9	1192.9
34.5°	1169.2	1148.9	1132.5	1117.9	1109.1	1106.5	1111.1	1122.8	1139.7	1161.0	1182.9
35°	1158.1	1137.7	1120.2	1106.1	1097.5	1094.6	1099.6	1111.4	1128.5	1150.0	1172.2
35.5°	1147.2	1126.6	1108.9	1094.5	1085.7	1082.9	1087.7	1099.9	1116.9	1139.1	1161.5
36°	1136.1	1115.6	1097.7	1082.2	1073.3	1070.8	1075.5	1087.1	1105.3	1128.2	1150.9
36.5°	1124.9	1104.1	1085.3	1070.3	1061.0	1058.9	1063.5	1075.7	1093.6	1116.2	1140.2
37°	1113.7	1092.0	1073.8	1058.6	1048.8	1046.2	1051.2	1064.1	1082.0	1104.8	1129.0
37.5°	1102.5	1080.5	1062.0	1046.7	1037.5	1034.2	1039.3	1051.7	1069.9	1093.1	1117.8
38°	1090.8	1068.7	1049.9	1033.9	1024.6	1022.5	1026.8	1040.0	1058.6	1081.8	1105.9
38.5°	1079.4	1057.4	1038.0	1022.2	1012.6	1009.4	1014.9	1027.8	1046.7	1070.4	1094.7
39°	1068.1	1045.8	1025.9	1009.9	1000.5	997.6	1003.0	1015.9	1034.8	1058.8	1083.5
39.5°	1056.3	1034.3	1014.2	997.7	988.5	985.1	990.1	1003.4	1022.7	1046.9	1072.3
40°	1045.1	1022.1	1002.2	985.8	975.8	972.9	978.2	991.3	1010.5	1035.1	1060.7
40.5°	1033.4	1010.2	990.1	973.4	963.3	960.4	965.2	978.6	999.1	1023.3	1049.4
41°	1021.8	998.2	977.8	960.7	951.0	948.0	953.6	966.9	986.6	1011.6	1037.5
41.5°	1009.8	986.4	965.8	948.9	938.7	935.9	940.7	954.7	974.8	999.7	1025.9
42°	997.8	974.1	953.3	936.6	925.9	923.1	928.7	942.0	962.5	987.4	1014.7
42.5°	986.4	962.5	941.1	924.2	913.7	910.9	916.1	930.0	950.7	975.2	1002.2
43°	974.7	950.0	929.2	911.8	900.9	898.8	904.2	917.9	938.5	963.7	990.7
43.5°	962.5	938.1	916.8	899.2	889.1	886.0	891.4	905.0	925.6	951.8	978.7



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	926.2	901.0	879.6	862.3	852.2	848.6	853.9	868.2	888.6	915.3	943.0
45.5°	914.1	889.1	867.9	849.9	839.6	836.5	842.1	856.1	876.6	902.9	930.7
46°	901.9	877.1	855.2	837.8	827.1	824.7	829.9	844.0	864.8	890.7	918.8
46.5°	889.6	864.8	843.1	825.5	814.9	812.2	817.5	832.0	852.7	878.6	906.4
47°	877.7	852.2	830.7	813.2	802.3	799.8	805.4	819.2	840.2	866.3	894.7
47.5°	865.1	840.1	818.7	801.0	790.3	787.9	793.1	807.1	827.9	854.1	882.3
48°	852.5	828.1	805.8	788.6	778.4	775.3	780.5	794.7	815.6	841.6	869.9
48.5°	840.3	815.7	794.1	776.7	766.4	763.2	768.8	782.5	803.3	829.5	857.3
49°	828.3	803.3	781.8	764.8	753.9	751.1	757.0	770.8	791.7	817.8	845.1
49.5°	816.6	791.1	770.0	752.7	741.8	739.6	744.7	758.7	779.0	805.3	833.3
50°	803.3	779.0	757.4	740.4	729.8	727.3	733.1	746.4	767.4	792.9	821.2
50.5°	791.6	766.7	744.8	728.2	718.3	715.5	720.4	734.1	755.0	780.6	808.8
51°	779.1	754.2	733.3	716.5	706.1	704.1	708.9	722.4	742.6	768.4	796.8
51.5°	766.6	742.1	721.4	704.7	694.2	692.1	697.3	711.0	730.9	756.5	784.2
52°	754.0	730.4	709.5	693.0	682.5	680.2	685.5	699.3	719.1	744.9	772.1
52.5°	741.9	718.3	697.5	681.0	671.1	669.1	673.7	687.4	707.4	732.6	759.8
53°	729.7	706.2	685.2	669.1	659.3	657.5	662.3	675.6	695.4	720.4	747.7
53.5°	717.6	694.1	673.3	657.5	647.6	645.6	651.1	663.7	683.7	708.4	736.0
54°	705.4	682.2	661.4	646.0	636.2	633.6	638.9	651.8	671.6	696.3	723.7
54.5°	693.2	669.8	649.7	634.2	624.7	622.7	628.0	640.3	659.9	684.2	711.0
55°	680.8	657.5	638.0	622.8	613.1	611.2	616.3	629.0	648.1	672.6	698.9
55.5°	669.0	645.8	626.3	611.2	602.4	600.3	605.3	617.5	636.4	660.6	686.4
56°	656.6	633.9	614.5	599.9	590.9	589.1	594.0	605.9	624.6	648.7	674.6
56.5°	644.3	621.7	603.2	588.7	579.4	577.6	582.9	594.8	613.3	636.8	662.3
57°	632.3	610.1	591.4	577.3	568.4	566.9	571.8	583.9	601.6	624.7	650.3
57.5°	619.7	598.5	580.3	565.8	557.3	555.6	560.2	572.1	590.2	612.9	638.0
58°	607.8	586.6	568.6	554.7	546.7	544.8	549.6	561.0	578.7	601.0	626.1
58.5°	595.6	575.2	557.4	543.6	535.6	534.1	538.7	549.9	567.5	589.6	614.4
59°	583.7	563.5	545.9	532.8	524.5	523.1	527.8	539.1	556.1	578.0	602.4
59.5°	571.8	551.6	534.9	521.6	513.6	512.3	517.5	528.1	545.1	566.3	590.3
60°	559.7	540.3	523.9	510.5	503.4	502.1	506.4	517.1	533.7	554.8	578.0
60.5°	547.9	528.8	512.6	499.7	492.5	491.1	495.6	506.2	522.7	543.2	565.9
61°	535.7	517.3	501.4	489.0	481.8	480.7	484.9	495.6	511.5	531.8	554.4
61.5°	523.9	505.9	490.5	478.7	472.0	470.3	474.8	485.0	500.7	520.3	542.2
62°	511.8	494.5	479.8	467.8	461.1	460.1	464.3	474.5	489.6	509.2	530.4
62.5°	500.4	483.3	468.7	457.2	450.5	449.9	453.9	463.8	478.8	497.9	518.7
63°	488.8	472.2	457.6	446.6	440.5	439.5	443.6	453.2	467.9	486.5	507.0
63.5°	477.2	460.8	446.8	436.2	430.5	429.4	433.5	442.8	457.1	475.5	495.6
64°	465.3	449.7	436.7	426.0	420.3	419.4	423.2	432.6	446.3	464.4	483.8
64.5°	453.8	438.6	425.8	415.6	410.0	409.5	413.3	422.2	435.7	453.1	472.3
65°	442.3	427.7	415.2	405.5	400.3	399.5	403.4	412.2	425.3	442.1	460.7
65.5°	430.8	416.8	405.1	395.5	390.3	389.6	393.5	402.0	415.1	431.1	449.2
66°	419.7	406.0	394.8	385.2	380.2	379.6	383.2	391.7	404.3	420.3	437.7



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	385.2	373.3	363.3	355.6	351.3	350.8	354.4	362.1	373.3	387.8	403.3
68°	374.0	362.8	353.2	345.7	341.9	341.6	344.9	352.3	363.0	377.1	392.5
68.5°	363.1	352.2	343.1	336.1	332.5	331.9	335.4	342.7	353.1	366.6	381.5
69°	351.9	341.6	333.2	326.6	323.0	322.8	325.9	333.0	343.1	356.0	370.5
69.5°	340.9	331.3	323.1	316.8	313.3	313.3	316.4	323.4	333.1	345.4	359.1
70°	330.2	321.0	313.4	307.2	304.3	304.4	307.3	313.8	323.1	334.9	348.0
70.5°	318.9	310.7	303.5	298.1	295.3	295.4	298.3	304.3	313.2	324.7	336.8
71°	308.2	300.4	294.0	288.9	286.2	286.3	289.1	295.0	303.6	314.3	326.4
71.5°	297.6	290.3	284.3	279.6	277.1	277.3	280.2	285.7	294.0	304.2	315.3
72°	287.0	280.4	274.8	270.5	268.3	268.7	271.3	276.6	284.4	294.2	304.8
72.5°	276.3	270.4	265.4	261.4	259.5	259.8	262.5	267.7	274.9	284.1	293.9
73°	266.0	260.7	256.0	252.4	250.6	251.1	253.6	258.6	265.3	274.1	283.9
73.5°	255.6	250.9	246.6	243.6	242.2	242.4	245.1	249.5	256.1	264.2	273.1
74°	245.2	241.1	237.6	235.0	233.5	234.4	236.5	240.8	246.9	254.6	262.7
74.5°	235.0	231.6	228.5	226.4	225.2	225.9	228.2	232.3	237.9	244.8	252.2
75°	225.1	222.3	219.7	217.7	216.8	217.6	219.7	223.5	228.8	235.3	242.4
75.5°	215.3	213.0	210.7	209.3	208.7	209.4	211.4	214.9	219.8	225.7	232.3
76°	205.3	203.8	202.3	200.9	200.4	201.3	203.2	206.7	211.2	216.4	222.3
76.5°	195.7	194.6	193.6	192.7	192.5	193.3	195.2	198.4	202.4	207.1	212.4
77°	186.2	185.7	185.4	184.8	184.6	185.5	187.3	190.1	193.8	198.0	202.7
77.5°	176.7	177.0	176.9	176.9	177.1	178.0	179.7	182.1	185.5	189.1	192.7
78°	167.5	168.5	168.8	169.1	169.7	170.5	172.0	174.4	177.3	180.4	183.4
78.5°	158.7	160.3	161.0	161.4	162.2	163.2	164.6	166.7	169.0	171.7	174.1
79°	149.8	151.8	153.1	154.1	154.9	156.0	157.3	159.2	161.1	163.1	165.1
79.5°	141.4	143.9	145.7	146.9	147.9	148.9	150.4	151.8	153.3	154.8	155.8
80°	133.1	136.5	138.7	140.2	141.4	142.2	143.4	144.5	145.9	146.6	147.2
80.5°	124.8	129.1	131.7	133.6	135.0	135.8	136.9	137.7	138.9	138.9	139.0
81°	116.5	121.6	124.8	127.0	128.5	129.5	130.4	131.2	131.9	131.5	130.8
81.5°	108.8	114.1	117.8	120.4	122.1	123.1	124.0	124.7	124.9	124.0	122.6
82°	101.6	106.9	110.9	113.8	115.6	116.7	117.5	118.1	117.8	116.5	114.4
82.5°	94.2	100.2	104.4	107.5	109.6	110.8	111.6	111.7	110.9	109.3	106.4
83°	87.1	93.5	98.2	101.5	103.7	105.0	105.6	105.5	104.4	102.3	99.0
83.5°	80.4	87.1	92.1	95.6	97.8	99.1	99.8	99.5	98.2	95.6	91.7
84°	73.9	81.0	86.2	90.0	92.3	93.7	94.2	93.7	92.0	89.0	84.8
84.5°	67.7	75.2	80.7	84.5	87.0	88.3	88.7	88.1	86.2	82.8	77.9
85°	61.9	69.6	75.2	79.2	81.8	83.1	83.4	82.6	80.5	76.8	71.6
85.5°	56.4	64.2	70.0	74.1	76.7	78.0	78.2	77.4	75.0	71.1	65.5
86°	51.2	59.0	65.0	69.3	71.9	73.2	73.5	72.4	69.7	65.5	59.7
86.5°	46.2	54.2	60.4	64.6	67.3	68.6	68.8	67.6	64.8	60.3	54.1
87°	41.7	49.7	55.8	60.2	63.0	64.3	64.4	63.0	60.1	55.4	48.9
87.5°	37.4	45.4	51.6	56.1	58.8	60.2	60.1	58.7	55.6	50.7	44.1
88°	33.5	41.5	47.7	52.2	54.9	56.1	56.1	54.6	51.3	46.5	39.6
88.5°	30.0	37.8	44.0	48.4	51.1	52.4	52.2	50.6	47.4	42.4	35.5



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	21.4	28.5	34.3	38.5	41.2	42.4	42.1	40.3	36.8	31.8	25.1
90.5°	19.2	25.9	31.6	35.7	38.4	39.4	39.1	37.3	33.9	28.9	22.4
91°	17.3	23.7	29.1	33.2	35.7	36.8	36.4	34.6	31.2	26.2	20.0
91.5°	15.7	21.7	26.9	30.8	33.3	34.2	33.9	32.1	28.7	23.9	17.9
92°	14.7	20.0	24.9	28.6	31.0	32.0	31.6	29.7	26.5	21.8	16.1
92.5°	13.7	18.5	23.1	26.7	29.0	29.8	29.4	27.6	24.4	20.0	14.9
93°	12.8	17.2	21.6	24.9	27.1	27.9	27.5	25.8	22.7	18.4	13.9
93.5°	11.8	16.1	20.2	23.4	25.5	26.3	25.8	24.1	21.1	17.1	12.8
94°	10.9	15.2	19.1	22.1	24.0	24.8	24.4	22.7	19.8	15.9	11.8
94.5°	10.4	14.5	18.1	21.0	22.8	23.4	23.0	21.4	18.6	15.0	10.7
95°	10.0	13.8	17.3	20.0	21.7	22.3	21.8	20.3	17.6	14.1	10.2
95.5°	9.6	13.3	16.5	19.0	20.7	21.2	20.8	19.3	16.7	13.4	9.8
96°	9.3	12.9	15.8	18.2	19.7	20.3	19.8	18.4	16.0	12.9	9.4
96.5°	9.0	12.5	15.3	17.5	18.9	19.5	19.0	17.7	15.4	12.4	9.1
97°	8.8	12.1	14.8	16.9	18.2	18.7	18.3	17.1	14.8	12.0	8.7
97.5°	8.7	11.7	14.3	16.3	17.6	18.1	17.7	16.5	14.4	11.5	8.3
98°	8.5	11.3	13.9	15.8	17.0	17.5	17.2	16.0	14.0	11.0	7.9
98.5°	8.4	11.1	13.5	15.3	16.5	17.0	16.7	15.5	13.5	10.6	7.7
99°	8.3	10.9	13.2	14.9	16.1	16.5	16.2	15.0	13.0	10.2	7.5
99.5°	8.2	10.7	12.9	14.6	15.6	16.0	15.7	14.5	12.7	9.9	7.4
100°	8.1	10.5	12.6	14.2	15.2	15.6	15.2	14.1	12.3	9.6	7.3
100.5°	7.9	10.4	12.4	13.9	14.9	15.2	14.8	13.7	11.9	9.5	7.2
101°	7.8	10.2	12.2	13.6	14.6	14.9	14.4	13.3	11.5	9.4	7.2
101.5°	7.7	10.1	12.0	13.4	14.2	14.5	14.1	13.0	11.2	9.2	7.1
102°	7.6	10.0	11.8	13.1	13.9	14.2	13.8	12.7	11.1	9.1	6.9
102.5°	7.4	9.8	11.6	12.9	13.7	13.9	13.5	12.5	10.9	9.0	6.8
103°	7.2	9.7	11.4	12.7	13.5	13.7	13.3	12.4	10.8	8.9	6.6
103.5°	7.1	9.5	11.2	12.5	13.3	13.5	13.2	12.2	10.6	8.8	6.4
104°	6.9	9.3	11.1	12.3	13.1	13.4	13.0	12.1	10.5	8.7	6.3
104.5°	6.8	9.2	10.9	12.1	12.9	13.2	12.8	11.9	10.4	8.6	6.1
105°	6.6	9.0	10.7	12.0	12.7	13.0	12.7	11.7	10.3	8.4	5.9
105.5°	6.5	8.8	10.6	11.8	12.5	12.8	12.5	11.6	10.2	8.2	5.7
106°	6.4	8.6	10.4	11.6	12.3	12.7	12.4	11.4	10.0	8.0	5.6
106.5°	6.2	8.4	10.1	11.4	12.1	12.5	12.2	11.3	9.8	7.8	5.4
107°	6.1	8.2	9.9	11.2	11.9	12.3	12.0	11.1	9.6	7.5	5.3
107.5°	5.9	8.1	9.7	11.0	11.7	12.1	11.8	10.9	9.4	7.3	5.1
108°	5.8	7.9	9.5	10.8	11.5	11.8	11.6	10.7	9.1	7.1	5.0
108.5°	5.6	7.7	9.3	10.5	11.3	11.6	11.3	10.4	8.9	6.9	4.9
109°	5.5	7.6	9.1	10.3	11.0	11.4	11.1	10.1	8.6	6.8	4.7
109.5°	5.3	7.4	8.9	10.0	10.8	11.1	10.9	9.9	8.4	6.6	4.6
110°	5.1	7.2	8.7	9.8	10.5	10.9	10.6	9.6	8.2	6.4	4.5
110.5°	5.0	7.0	8.5	9.6	10.3	10.6	10.3	9.4	8.0	6.3	4.4
111°	4.8	6.8	8.3	9.4	10.0	10.3	10.1	9.2	7.8	6.1	4.2



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	4.3	6.3	7.8	8.8	9.4	9.6	9.4	8.5	7.2	5.7	3.8
113°	4.1	6.1	7.6	8.6	9.2	9.4	9.2	8.3	7.0	5.6	3.7
113.5°	4.0	5.9	7.4	8.4	8.9	9.2	8.9	8.1	6.8	5.4	3.6
114°	3.8	5.7	7.3	8.2	8.8	9.0	8.7	7.9	6.6	5.3	3.5
114.5°	3.7	5.5	7.1	8.0	8.6	8.8	8.5	7.7	6.5	5.1	3.4
115°	3.6	5.3	6.9	7.8	8.4	8.5	8.3	7.5	6.3	5.0	3.3
115.5°	3.6	5.1	6.7	7.7	8.2	8.3	8.1	7.3	6.1	4.8	3.2
116°	3.5	4.9	6.5	7.5	8.0	8.1	7.9	7.1	5.9	4.6	3.1
116.5°	3.4	4.7	6.3	7.3	7.8	7.9	7.7	6.9	5.8	4.5	3.1
117°	3.4	4.5	6.0	7.1	7.7	7.7	7.5	6.7	5.6	4.3	3.0
117.5°	3.3	4.4	5.8	6.9	7.5	7.5	7.3	6.5	5.4	4.2	3.0
118°	3.3	4.2	5.6	6.7	7.3	7.4	7.1	6.3	5.2	4.0	2.9
118.5°	3.2	4.1	5.4	6.5	7.1	7.2	6.9	6.1	4.9	3.9	2.8
119°	3.1	4.0	5.2	6.3	6.9	7.0	6.7	5.9	4.8	3.8	2.7
119.5°	3.0	3.9	4.9	6.0	6.6	6.8	6.5	5.7	4.6	3.7	2.5
120°	2.9	3.8	4.8	5.8	6.4	6.6	6.3	5.5	4.4	3.6	2.4
120.5°	2.7	3.7	4.6	5.5	6.2	6.3	6.1	5.3	4.3	3.5	2.4
121°	2.6	3.6	4.5	5.3	5.9	6.1	5.8	5.1	4.1	3.4	2.3
121.5°	2.6	3.5	4.3	5.1	5.7	5.8	5.6	4.9	4.0	3.3	2.3
122°	2.6	3.5	4.2	4.9	5.5	5.6	5.4	4.7	3.9	3.2	2.3
122.5°	2.6	3.5	4.1	4.8	5.2	5.4	5.2	4.6	3.8	3.1	2.3
123°	2.7	3.3	4.0	4.6	5.1	5.2	5.0	4.4	3.7	3.0	2.4
123.5°	2.7	3.2	3.9	4.5	4.9	5.0	4.8	4.3	3.5	2.8	2.4
124°	2.8	3.1	3.8	4.4	4.7	4.8	4.7	4.2	3.5	2.6	2.5
124.5°	2.8	2.9	3.7	4.2	4.6	4.7	4.5	4.1	3.4	2.5	2.5
125°	2.9	2.8	3.6	4.1	4.5	4.5	4.4	4.0	3.3	2.4	2.5
125.5°	2.9	2.6	3.5	4.0	4.3	4.4	4.3	3.9	3.2	2.3	2.6
126°	3.0	2.5	3.4	3.9	4.2	4.3	4.2	3.8	3.1	2.2	2.6
126.5°	3.0	2.5	3.3	3.8	4.1	4.2	4.1	3.7	2.9	2.2	2.7
127°	3.1	2.6	3.1	3.7	4.0	4.1	4.0	3.6	2.7	2.2	2.7
127.5°	3.2	2.6	3.0	3.6	3.9	4.0	3.9	3.5	2.6	2.2	2.7
128°	3.2	2.7	2.8	3.5	3.8	3.9	3.8	3.4	2.5	2.3	2.7
128.5°	3.3	2.7	2.7	3.4	3.7	3.8	3.7	3.2	2.4	2.3	2.7
129°	3.3	2.8	2.5	3.2	3.6	3.7	3.6	3.0	2.3	2.3	2.7
129.5°	3.4	2.8	2.5	3.1	3.5	3.6	3.4	2.9	2.3	2.4	2.7
130°	3.4	2.8	2.5	2.9	3.3	3.4	3.2	2.7	2.3	2.4	2.8
130.5°	3.4	2.9	2.6	2.7	3.1	3.2	3.0	2.6	2.3	2.5	2.8
131°	3.4	2.9	2.6	2.6	3.0	3.1	2.9	2.5	2.4	2.5	2.8
131.5°	3.5	3.0	2.7	2.5	2.8	2.9	2.8	2.4	2.4	2.6	2.8
132°	3.5	3.0	2.7	2.5	2.6	2.8	2.6	2.4	2.5	2.6	2.8
132.5°	3.6	3.1	2.8	2.5	2.5	2.6	2.5	2.4	2.5	2.7	2.9
133°	3.6	3.1	2.8	2.6	2.5	2.5	2.5	2.5	2.6	2.7	3.0
133.5°	3.7	3.2	2.8	2.6	2.5	2.4	2.5	2.5	2.6	2.8	3.1



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	3.9	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.7	3.0	3.4
135.5°	4.0	3.4	3.0	2.8	2.7	2.6	2.6	2.7	2.8	3.0	3.4
136°	4.0	3.4	3.0	2.8	2.7	2.6	2.7	2.7	2.8	3.1	3.4
136.5°	4.1	3.5	3.1	2.9	2.7	2.7	2.7	2.8	2.9	3.1	3.5
137°	4.1	3.6	3.1	2.9	2.8	2.7	2.8	2.8	2.9	3.2	3.5
137.5°	4.1	3.6	3.2	2.9	2.8	2.7	2.8	2.8	3.0	3.2	3.4
138°	4.0	3.7	3.2	3.0	2.8	2.8	2.8	2.9	3.1	3.3	3.3
138.5°	3.9	3.8	3.3	3.0	2.9	2.8	2.9	2.9	3.1	3.4	3.2
139°	3.9	3.8	3.4	3.1	2.9	2.9	2.9	3.0	3.2	3.5	3.2
139.5°	3.9	3.9	3.4	3.1	3.0	2.9	3.0	3.0	3.2	3.6	3.2
140°	3.9	3.9	3.5	3.2	3.0	2.9	3.0	3.1	3.3	3.6	3.2
140.5°	3.9	4.0	3.6	3.2	3.1	3.0	3.1	3.1	3.4	3.6	3.2
141°	3.9	4.0	3.7	3.3	3.1	3.1	3.1	3.2	3.5	3.6	3.2
141.5°	3.8	4.0	3.8	3.3	3.1	3.1	3.2	3.3	3.6	3.6	3.2
142°	3.9	4.0	3.8	3.4	3.2	3.2	3.2	3.3	3.7	3.6	3.2
142.5°	3.9	3.9	3.9	3.5	3.2	3.2	3.3	3.4	3.7	3.5	3.2
143°	3.9	3.8	3.9	3.6	3.3	3.3	3.3	3.6	3.7	3.5	3.2
143.5°	3.9	3.8	3.9	3.7	3.4	3.3	3.4	3.7	3.8	3.4	3.2
144°	3.9	3.8	4.0	3.8	3.5	3.5	3.6	3.8	3.8	3.4	3.2
144.5°	3.9	3.8	4.0	3.9	3.7	3.6	3.7	3.8	3.8	3.4	3.2
145°	3.8	3.8	4.0	3.9	3.8	3.7	3.8	3.8	3.7	3.4	3.2
145.5°	3.8	3.8	3.8	3.9	3.8	3.8	3.8	3.9	3.6	3.4	3.2
146°	3.8	3.8	3.8	4.0	3.9	3.9	3.9	3.9	3.5	3.4	3.2
146.5°	3.9	3.8	3.7	4.0	3.9	3.9	3.9	3.9	3.5	3.4	3.2
147°	3.9	3.8	3.7	3.9	4.0	4.0	4.0	3.8	3.5	3.4	3.1
147.5°	3.9	3.8	3.7	3.8	4.0	4.0	4.0	3.7	3.5	3.4	3.1
148°	3.9	3.8	3.7	3.7	3.9	4.0	3.9	3.7	3.5	3.3	3.1
148.5°	3.9	3.8	3.7	3.7	3.8	3.9	3.8	3.7	3.5	3.3	3.1
149°	3.9	3.8	3.7	3.7	3.7	3.8	3.8	3.6	3.5	3.3	3.1
149.5°	3.9	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.3	3.1
150°	3.9	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.3	3.1
150.5°	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.2	3.1
151°	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.2	3.1
151.5°	3.9	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.2	3.1
152°	4.0	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.4	3.2	3.2
152.5°	4.0	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.4	3.2	3.2
153°	4.0	3.7	3.6	3.7	3.7	3.7	3.7	3.6	3.4	3.2	3.2
153.5°	4.1	3.7	3.6	3.7	3.7	3.7	3.7	3.6	3.4	3.2	3.2
154°	4.1	3.7	3.6	3.6	3.7	3.7	3.7	3.6	3.4	3.2	3.2
154.5°	4.1	3.8	3.6	3.6	3.6	3.7	3.6	3.6	3.4	3.3	3.2
155°	4.1	3.8	3.6	3.6	3.6	3.7	3.6	3.6	3.4	3.3	3.3
155.5°	4.0	3.9	3.7	3.6	3.6	3.7	3.6	3.6	3.4	3.3	3.3
156°	3.9	3.9	3.7	3.6	3.6	3.6	3.6	3.6	3.5	3.3	3.3



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	4.1	3.9	3.8	3.7	3.6	3.6	3.6	3.6	3.6	3.5	3.4
158°	4.0	3.8	3.8	3.7	3.6	3.6	3.6	3.6	3.6	3.5	3.4
158.5°	3.8	3.8	3.9	3.7	3.6	3.7	3.7	3.7	3.6	3.6	3.5
159°	3.6	3.7	3.9	3.8	3.7	3.7	3.7	3.7	3.7	3.6	3.5
159.5°	3.6	3.8	4.0	3.8	3.7	3.7	3.7	3.7	3.8	3.7	3.6
160°	3.6	3.8	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.6
160.5°	3.6	3.8	4.0	3.9	3.8	3.8	3.8	3.8	3.9	3.8	3.6
161°	3.6	3.7	3.9	4.0	3.9	3.8	3.8	3.9	3.9	3.8	3.7
161.5°	3.6	3.6	3.8	4.1	3.9	3.9	3.9	4.0	4.0	3.9	3.7
162°	3.5	3.6	3.8	4.1	4.0	4.0	4.0	4.0	4.1	3.9	3.7
162.5°	3.5	3.6	3.8	4.1	4.0	4.0	4.0	4.1	4.1	4.0	3.7
163°	3.5	3.6	3.8	4.1	4.1	4.1	4.1	4.1	4.1	4.0	3.7
163.5°	3.4	3.6	3.7	4.0	4.2	4.1	4.1	4.1	4.2	4.0	3.8
164°	3.4	3.6	3.6	3.9	4.2	4.2	4.2	4.2	4.2	4.1	3.7
164.5°	3.4	3.5	3.6	3.8	4.2	4.2	4.2	4.3	4.2	4.1	3.3
165°	3.4	3.5	3.6	3.8	4.2	4.2	4.3	4.3	4.2	3.8	3.1
165.5°	3.3	3.5	3.5	3.7	4.2	4.3	4.3	4.3	4.2	3.3	3.6
166°	3.3	3.5	3.5	3.6	4.1	4.3	4.3	4.3	4.1	3.4	3.7
166.5°	3.2	3.6	3.5	3.5	4.1	4.3	4.3	4.3	4.1	3.8	3.3
167°	3.2	3.7	3.6	3.5	4.0	4.3	4.3	4.4	3.7	3.7	2.9
167.5°	3.2	3.8	3.6	3.5	3.9	4.3	4.3	4.4	3.3	3.1	3.3
168°	3.3	3.8	3.7	3.4	3.8	4.3	4.3	4.3	3.6	2.9	3.7
168.5°	3.4	3.8	4.0	3.5	3.6	4.2	4.3	4.2	4.0	3.6	3.4
169°	3.4	3.8	4.0	3.5	3.4	4.2	4.2	4.2	3.2	3.7	3.4
169.5°	3.4	3.7	3.9	3.6	3.4	4.1	4.2	3.9	2.8	3.6	3.5
170°	3.5	3.7	3.8	3.8	3.3	4.0	4.2	3.4	3.7	3.7	3.5
170.5°	3.5	3.6	3.8	3.8	3.4	3.9	4.1	3.2	3.8	3.7	3.5
171°	3.4	3.6	3.7	3.8	3.4	3.8	4.1	3.2	3.6	3.7	3.5
171.5°	3.4	3.5	3.6	3.8	3.4	3.7	4.0	2.8	3.7	3.6	3.5
172°	3.4	3.5	3.6	3.7	3.5	3.3	3.9	3.0	3.7	3.6	3.4
172.5°	3.3	3.4	3.5	3.6	3.5	3.2	3.7	3.5	3.6	3.5	3.3
173°	3.3	3.4	3.5	3.6	3.5	3.1	3.6	3.5	3.5	3.4	3.2
173.5°	3.3	3.3	3.4	3.5	3.5	3.1	3.1	3.5	3.4	3.3	3.2
174°	3.3	3.3	3.4	3.4	3.5	3.0	2.6	3.4	3.3	3.2	3.1
174.5°	3.2	3.3	3.3	3.4	3.4	2.9	2.4	3.3	3.2	3.1	3.1
175°	3.2	3.2	3.3	3.3	3.4	2.9	2.9	3.2	3.2	3.1	3.1
175.5°	3.2	3.2	3.2	3.3	3.3	2.9	3.2	3.2	3.1	3.1	3.0
176°	3.1	3.2	3.2	3.2	3.2	2.8	3.2	3.1	3.0	3.1	3.0
176.5°	3.1	3.2	3.2	3.1	3.1	2.8	3.0	3.0	3.1	3.0	3.0
177°	3.1	3.1	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0
177.5°	3.0	3.0	3.0	2.9	3.0	1.2	3.0	3.0	3.0	3.0	3.0
178°	3.0	3.0	3.0	3.0	3.0	1.8	3.0	3.0	3.0	3.0	3.0
178.5°	3.0	3.0	3.1	3.0	2.8	2.3	2.8	3.0	3.0	3.0	3.0



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1581.8	1581.8	1581.8	1581.8
0.5°	1581.4	1581.4	1581.4	1581.4
1°	1581.1	1581.1	1581.1	1581.2
1.5°	1580.8	1580.9	1580.9	1581.2
2°	1579.5	1580.2	1580.7	1580.9
2.5°	1578.1	1578.5	1579.8	1580.3
3°	1577.0	1577.9	1579.1	1579.2
3.5°	1576.3	1577.7	1578.0	1578.2
4°	1575.1	1576.8	1576.8	1577.5
4.5°	1572.9	1574.7	1575.1	1575.8
5°	1571.6	1572.8	1574.1	1574.8
5.5°	1570.5	1571.1	1572.7	1573.8
6°	1568.0	1570.0	1570.9	1572.5
6.5°	1565.6	1567.0	1569.1	1570.8
7°	1564.4	1564.9	1567.8	1569.3
7.5°	1561.5	1563.4	1564.4	1567.1
8°	1558.4	1560.5	1563.1	1565.4
8.5°	1555.2	1557.7	1560.8	1562.5
9°	1552.7	1554.9	1557.9	1560.8
9.5°	1549.7	1552.1	1555.0	1557.9
10°	1545.9	1548.4	1552.4	1554.8
10.5°	1542.8	1546.0	1548.7	1551.9
11°	1539.1	1543.3	1546.5	1548.7
11.5°	1535.4	1539.5	1543.5	1545.3
12°	1531.8	1535.8	1540.4	1542.1
12.5°	1527.4	1531.9	1536.4	1539.1
13°	1523.0	1527.7	1532.7	1535.4
13.5°	1518.8	1523.6	1529.1	1531.3
14°	1514.3	1519.6	1524.6	1527.5
14.5°	1509.5	1515.8	1520.3	1523.7
15°	1504.7	1510.9	1515.9	1519.3
15.5°	1499.4	1505.7	1511.4	1515.2
16°	1494.1	1501.0	1507.4	1510.3
16.5°	1488.7	1495.7	1502.9	1504.9
17°	1483.7	1490.6	1497.5	1499.9
17.5°	1478.1	1485.4	1491.7	1495.7
18°	1472.6	1480.4	1486.6	1491.1
18.5°	1466.9	1475.0	1481.4	1485.3
19°	1460.6	1469.1	1476.0	1479.8
19.5°	1453.7	1463.3	1470.3	1474.2
20°	1447.4	1457.1	1464.2	1468.7
20.5°	1441.4	1450.5	1458.4	1463.1
21°	1435.3	1444.0	1452.0	1457.5



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1413.6	1424.3	1433.4	1438.1
23°	1406.3	1417.5	1426.4	1432.4
23.5°	1399.0	1410.2	1419.3	1425.1
24°	1391.5	1403.2	1412.5	1418.3
24.5°	1383.7	1395.8	1405.6	1411.8
25°	1376.1	1388.1	1398.5	1404.8
25.5°	1367.6	1380.8	1390.7	1397.3
26°	1360.3	1372.9	1383.3	1390.0
26.5°	1351.9	1365.0	1375.7	1382.3
27°	1343.6	1357.1	1367.6	1374.6
27.5°	1334.8	1349.6	1359.7	1367.1
28°	1326.3	1340.6	1351.9	1358.8
28.5°	1317.4	1332.2	1343.6	1350.8
29°	1308.0	1323.5	1335.4	1343.3
29.5°	1299.8	1314.6	1326.7	1335.1
30°	1290.7	1306.3	1318.2	1326.3
30.5°	1281.1	1297.0	1309.7	1318.0
31°	1271.3	1288.3	1300.9	1309.5
31.5°	1262.4	1278.5	1291.8	1300.6
32°	1252.5	1269.3	1282.4	1291.1
32.5°	1242.9	1259.8	1273.3	1281.9
33°	1233.4	1250.8	1263.9	1273.1
33.5°	1223.8	1241.7	1254.4	1263.7
34°	1213.3	1231.6	1244.9	1253.9
34.5°	1203.4	1221.3	1234.9	1244.0
35°	1193.4	1211.8	1225.5	1234.8
35.5°	1182.8	1201.5	1215.6	1225.2
36°	1172.4	1191.5	1205.4	1215.3
36.5°	1161.9	1181.1	1196.2	1205.0
37°	1151.5	1170.6	1186.2	1195.1
37.5°	1141.1	1160.2	1176.2	1185.3
38°	1130.3	1149.8	1165.1	1175.7
38.5°	1118.4	1139.4	1154.1	1164.7
39°	1107.1	1128.4	1143.0	1153.4
39.5°	1096.1	1117.3	1132.2	1142.3
40°	1085.1	1106.4	1122.0	1131.5
40.5°	1074.0	1095.5	1111.4	1121.3
41°	1062.4	1084.2	1100.0	1110.4
41.5°	1051.2	1072.6	1089.2	1099.1
42°	1039.2	1061.3	1078.0	1088.3
42.5°	1027.7	1050.1	1066.4	1077.4
43°	1016.0	1038.4	1055.0	1066.0
43.5°	1004.4	1026.7	1043.8	1054.1



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	968.8	992.2	1009.1	1019.5
45.5°	957.1	980.2	997.0	1008.2
46°	945.0	968.5	985.2	996.0
46.5°	933.1	956.5	973.2	983.6
47°	921.5	944.6	961.5	971.6
47.5°	909.0	932.7	949.5	960.0
48°	897.1	920.0	937.1	948.4
48.5°	884.5	908.3	925.3	935.9
49°	872.5	896.2	913.3	924.3
49.5°	860.5	883.7	900.9	911.9
50°	847.9	871.3	888.4	899.6
50.5°	835.7	859.3	876.1	887.0
51°	824.0	846.6	864.0	874.9
51.5°	811.7	834.7	851.9	862.4
52°	799.0	822.1	838.9	850.3
52.5°	786.7	809.6	826.8	837.5
53°	774.2	797.3	814.0	825.0
53.5°	762.2	784.7	801.7	812.5
54°	749.9	772.2	789.1	800.0
54.5°	737.7	759.9	776.6	787.2
55°	725.6	747.5	764.0	774.3
55.5°	712.4	735.3	751.3	762.0
56°	700.1	722.0	738.4	749.0
56.5°	688.1	710.0	726.2	736.5
57°	675.9	697.4	713.4	724.2
57.5°	663.2	684.9	700.9	711.0
58°	650.9	671.8	687.8	698.1
58.5°	638.5	659.4	675.1	685.7
59°	626.7	646.7	662.5	672.6
59.5°	614.0	634.2	650.0	659.9
60°	601.7	621.5	637.3	646.8
60.5°	589.1	609.2	624.4	634.1
61°	577.3	596.7	611.4	621.3
61.5°	564.8	584.1	598.6	608.6
62°	552.6	571.6	585.9	595.6
62.5°	540.4	559.3	573.1	582.8
63°	528.5	546.6	560.4	570.0
63.5°	516.1	534.0	547.7	557.3
64°	503.7	521.6	534.9	544.2
64.5°	491.7	509.1	522.5	531.1
65°	480.0	496.4	509.7	518.0
65.5°	467.7	484.3	496.8	504.9
66°	456.2	472.2	484.1	491.7



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	420.2	435.0	446.4	453.4
68°	408.3	422.4	433.6	440.9
68.5°	396.4	410.3	420.7	428.0
69°	385.1	397.8	408.4	415.2
69.5°	373.3	385.6	395.7	402.5
70°	361.5	373.7	383.4	389.7
70.5°	349.9	361.6	370.8	377.0
71°	338.4	349.4	358.5	364.6
71.5°	326.9	337.4	346.0	351.9
72°	315.5	325.5	333.5	339.6
72.5°	304.1	313.8	321.0	327.1
73°	292.8	301.7	309.0	314.4
73.5°	282.0	290.2	296.9	301.7
74°	270.9	278.3	284.8	289.7
74.5°	259.7	266.7	272.7	277.4
75°	248.8	254.8	260.5	265.3
75.5°	238.1	243.7	248.5	252.9
76°	227.6	232.2	237.2	240.9
76.5°	216.9	221.2	225.2	229.1
77°	206.5	209.9	213.8	217.3
77.5°	196.0	199.2	202.2	205.3
78°	185.9	188.0	191.0	194.0
78.5°	176.0	177.6	179.4	182.3
79°	166.2	167.1	168.5	170.9
79.5°	156.6	156.9	158.0	159.7
80°	147.5	147.1	147.7	149.2
80.5°	138.5	137.4	137.5	138.3
81°	129.5	127.7	127.2	127.7
81.5°	120.5	118.0	117.0	117.3
82°	111.5	108.3	106.7	107.2
82.5°	103.1	99.4	97.1	96.8
83°	94.7	90.6	88.1	87.6
83.5°	86.8	82.0	78.9	78.4
84°	79.2	73.7	70.2	69.7
84.5°	72.1	66.0	61.8	61.0
85°	65.0	58.5	54.1	53.0
85.5°	58.6	51.5	46.5	46.1
86°	52.4	44.9	39.5	39.2
86.5°	46.6	38.8	32.9	32.3
87°	41.1	33.0	27.0	25.4
87.5°	36.2	27.8	22.7	19.5
88°	31.6	23.2	18.5	14.1
88.5°	27.5	20.2	14.2	9.5



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	17.6	11.0	4.0	3.0
90.5°	15.8	8.1	2.7	1.7
91°	14.1	6.6	2.0	0.3
91.5°	12.4	5.5	1.6	0.3
92°	10.7	4.8	1.4	0.2
92.5°	9.0	4.3	1.2	0.2
93°	8.2	4.0	1.1	0.1
93.5°	7.6	3.7	1.1	0.2
94°	7.1	3.4	1.0	0.2
94.5°	6.7	3.2	1.0	0.3
95°	6.4	3.1	1.0	0.4
95.5°	6.0	3.1	1.0	0.4
96°	5.7	3.1	1.0	0.5
96.5°	5.4	3.0	0.9	0.5
97°	5.3	3.0	0.9	0.6
97.5°	5.2	2.8	0.9	0.6
98°	5.2	2.7	0.9	0.7
98.5°	5.2	2.6	0.9	0.7
99°	5.1	2.5	0.9	0.8
99.5°	5.1	2.5	0.9	0.9
100°	5.0	2.4	1.0	1.0
100.5°	4.8	2.4	1.1	1.1
101°	4.7	2.4	1.2	1.2
101.5°	4.5	2.4	1.2	1.3
102°	4.3	2.4	1.3	1.4
102.5°	4.2	2.3	1.3	1.5
103°	4.1	2.2	1.4	1.5
103.5°	3.9	2.1	1.5	1.6
104°	3.8	2.0	1.5	1.6
104.5°	3.8	1.9	1.6	1.7
105°	3.7	1.9	1.6	1.7
105.5°	3.6	1.9	1.7	1.7
106°	3.5	1.8	1.8	1.6
106.5°	3.4	1.8	2.1	1.6
107°	3.3	1.7	2.2	1.6
107.5°	3.2	1.6	2.1	1.6
108°	3.0	1.6	2.0	1.7
108.5°	2.9	1.6	2.1	1.7
109°	2.8	1.6	2.0	1.7
109.5°	2.7	1.6	2.0	1.7
110°	2.6	1.6	1.9	1.7
110.5°	2.5	1.7	1.9	1.7
111°	2.4	1.7	1.9	1.7



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	3.3	2.6	1.8	1.6
158°	3.4	2.6	1.8	1.6
158.5°	3.4	2.6	1.8	1.7
159°	3.4	2.5	1.8	1.7
159.5°	3.4	2.5	1.8	1.7
160°	3.4	2.5	1.8	1.7
160.5°	3.4	2.5	1.8	1.7
161°	3.4	2.5	1.8	1.7
161.5°	3.5	2.5	1.7	1.7
162°	3.5	2.5	1.7	1.7
162.5°	3.4	2.4	1.7	1.7
163°	3.4	2.3	1.7	1.7
163.5°	3.5	2.2	1.7	1.7
164°	3.5	2.2	1.7	1.7
164.5°	3.1	2.2	1.7	1.7
165°	2.9	2.1	1.7	1.7
165.5°	3.2	2.0	1.7	1.7
166°	3.2	1.9	1.7	1.8
166.5°	2.8	1.8	1.7	1.8
167°	2.6	1.9	1.7	1.8
167.5°	3.0	2.1	1.8	1.8
168°	3.2	2.3	1.8	1.8
168.5°	3.0	2.3	1.9	1.8
169°	3.0	2.4	1.9	1.9
169.5°	3.1	2.5	2.0	1.9
170°	2.9	2.5	2.3	2.0
170.5°	3.0	2.5	2.4	2.2
171°	3.2	2.8	2.4	2.5
171.5°	3.2	2.9	2.6	2.5
172°	3.1	2.9	2.8	2.5
172.5°	3.1	2.9	2.8	2.7
173°	3.1	2.9	2.8	2.7
173.5°	3.1	3.0	2.8	2.7
174°	3.0	3.0	2.9	2.7
174.5°	3.0	3.0	2.9	2.8
175°	3.0	3.0	2.9	2.9
175.5°	3.0	3.0	2.9	2.9
176°	3.0	3.0	2.9	2.9
176.5°	3.0	3.0	2.9	3.0
177°	3.0	3.0	2.9	3.0
177.5°	3.0	3.0	3.0	3.0
178°	3.0	3.0	3.0	3.0
178.5°	3.0	3.0	3.0	3.0



TEST NUMBER: P563535

CATALOG NUMBER: 4NWS35C3R-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	2.7	2.7	2.7	2.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	1451.4	1454.9	1454.5	1451.9	1446.6	1440.3	1433.6	1428.0	1423.2	1420.9	1419.9
22°	1444.5	1448.3	1448.2	1445.1	1439.9	1433.3	1426.0	1420.2	1416.0	1412.7	1412.1



44°	1042.6	1046.5	1041.6	1030.5	1012.7	990.7	968.4	949.2	935.2	928.2	929.2
44.5°	1031.1	1034.3	1030.3	1018.6	1000.7	978.3	956.4	937.0	922.9	916.1	916.1



66.5°	478.8	483.3	482.2	475.4	464.6	449.5	435.6	423.4	414.5	409.3	407.9
67°	466.0	470.2	469.7	463.6	452.7	438.5	425.4	413.2	404.3	399.5	398.5



89°	5.9	11.5	22.0	34.0	45.2	53.0	59.3	62.9	64.3	63.7	61.4
89.5°	4.4	8.1	18.0	29.6	40.7	49.1	55.3	58.5	60.0	59.5	57.2



111.5°	1.7	1.7	1.4	1.3	1.7	2.6	3.8	4.9	5.7	5.9	5.7
112°	1.7	1.7	1.5	1.3	1.7	2.5	3.6	4.7	5.5	5.7	5.5



134°	2.4	2.5	2.5	3.0	3.0	2.7	2.7	2.7	2.7	2.8	3.0
134.5°	2.5	2.5	2.5	3.0	3.1	2.7	2.7	2.8	2.8	2.9	3.0



156.5°	1.7	2.6	3.0	3.0	2.9	3.0	3.1	3.5	3.7	3.8	3.8
157°	1.6	2.6	3.0	3.0	3.0	3.0	3.1	3.4	3.6	3.7	3.7



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





21.5°	1421.3	1425.0	1428.4	1432.6	1436.5	1438.3	1438.4	1436.5	1432.1	1425.4	1416.9
22°	1413.4	1416.9	1421.2	1425.8	1430.1	1431.6	1431.8	1430.1	1425.1	1418.3	1409.5



44°	935.9	949.9	967.9	984.8	999.9	1010.7	1015.0	1013.2	1005.8	992.3	972.5
44.5°	923.9	938.1	955.7	972.3	987.8	998.8	1002.4	1001.7	994.4	980.3	960.2



66.5°	410.9	417.2	425.7	434.4	442.0	447.1	446.0	445.2	439.7	431.9	420.5
67°	401.1	406.8	414.9	422.9	429.8	433.9	433.6	432.4	427.2	419.5	408.7



89°	57.3	51.5	44.2	33.7	22.6	12.1	4.9	0.8	4.0	11.2	18.4
89.5°	53.5	47.8	40.0	30.0	19.4	9.7	3.8	0.7	3.0	8.4	16.7



111.5°	5.0	3.9	2.9	2.2	2.2	2.6	3.2	3.0	3.4	2.5	2.9
112°	4.8	3.8	2.8	2.1	2.2	2.8	3.3	3.0	3.5	2.6	2.9



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



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



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





21.5°	1407.6	1397.7	1389.6	1382.8	1379.5	1378.7	1380.6	1386.7	1395.3	1406.3	1417.5
22°	1400.2	1389.4	1380.8	1374.8	1371.2	1369.6	1372.3	1377.7	1386.9	1398.0	1409.8



44°	950.3	925.8	904.2	886.8	876.3	873.5	879.0	892.7	913.6	938.9	967.1
44.5°	938.5	913.2	891.8	874.6	863.6	860.8	866.5	880.6	901.5	927.0	954.5



66.5°	407.9	394.9	383.7	375.3	370.4	370.0	373.7	381.8	393.8	409.3	426.4
67°	396.4	384.0	373.5	365.6	361.0	360.6	363.8	372.1	383.6	398.3	415.1



89°	26.8	34.4	40.5	44.8	47.6	48.8	48.6	46.9	43.6	38.5	31.7
89.5°	24.0	31.3	37.2	41.6	44.4	45.5	45.2	43.5	40.0	34.9	28.2



111.5°	4.7	6.6	8.2	9.2	9.8	10.1	9.8	8.9	7.5	6.0	4.1
112°	4.5	6.5	8.0	9.0	9.6	9.9	9.6	8.7	7.3	5.8	4.0



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



156.5°	4.0	4.0	3.7	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.3
157°	4.1	3.9	3.8	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4



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





21.5°	1428.1	1438.0	1445.7	1451.4
22°	1420.6	1431.8	1439.9	1444.5



44°	992.8	1015.6	1031.8	1042.6
44.5°	981.6	1003.6	1020.6	1031.1



66.5°	443.9	459.7	471.5	478.8
67°	431.9	447.3	459.2	466.0



89°	23.8	17.1	10.0	5.9
89.5°	20.4	14.0	5.9	4.4



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



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



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



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



(END OF REPORT)