

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: P563556

Luminaire Tested: **4NWS3C3MS-NUV-MED-4000K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s22030032e-01)
Test Lab: INNOVATION CENTER
Issue Date: 7/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4NWS3C3MS-NUV-MED-4000K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND MED LUMEN SETTING
Light Source: -
Ballast/Driver:

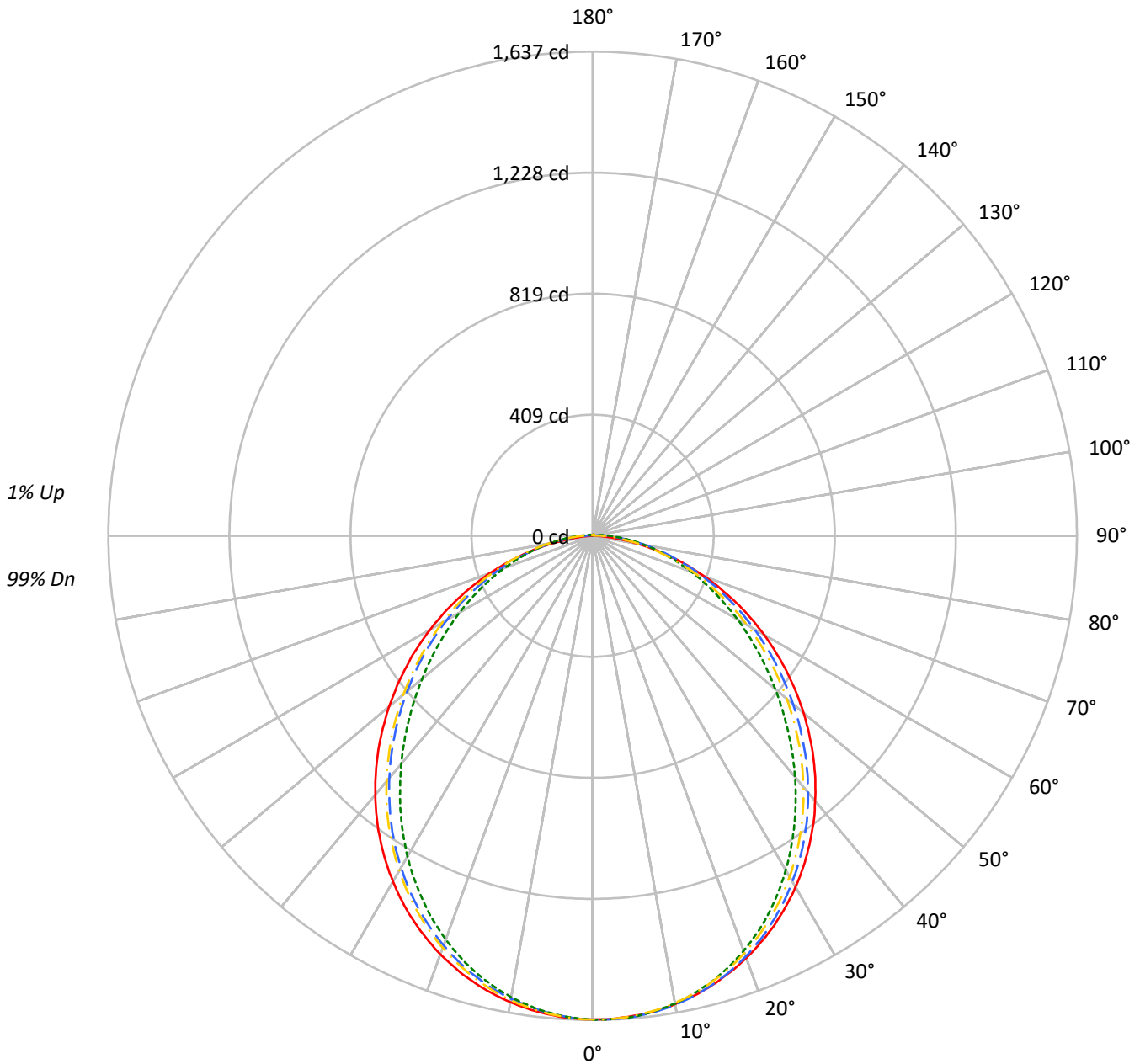
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4265.0 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.17 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 31.7
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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	89	87	85				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	73	67	63	70	65	61				59																
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53				51																
5	77	64	55	48	74	63	54	48	60	53	48	58	52	47	56	51	46				44																
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41				39																
7	66	52	44	38	64	52	43	37	50	43	37	48	42	37	47	41	36				35																
8	61	48	39	34	60	47	39	34	46	38	33	44	38	33	43	37	33				31																
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30				28																
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27				25																

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9943	9943	9943	9943
5°	9919	9794	9902	9722
10°	9889	9597	9846	9466
15°	9833	9346	9766	9153
20°	9751	9039	9665	8794
25°	9651	8683	9530	8379
30°	9513	8267	9362	7925
35°	9340	7802	9160	7425
40°	9126	7296	8913	6898
45°	8879	6766	8624	6354
50°	8586	6225	8284	5813
55°	8242	5708	7892	5284
60°	7851	5192	7438	4765
65°	7377	4668	6892	4238
70°	6776	4142	6194	3693
75°	5979	3595	5251	3109
80°	4832	3006	3934	2496
85°	3089	2401	1984	1908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.4	3.6
10°-20°	438.2	10.3
20°-30°	650.8	15.3
30°-40°	758.6	17.8
40°-50°	751.0	17.6
50°-60°	644.9	15.1
60°-70°	472.0	11.1
70°-80°	268.0	6.3
80°-90°	89.3	2.1
90°-100°	16.2	0.4
100°-110°	6.8	0.2
110°-120°	4.1	0.1
120°-130°	2.9	0.1
130°-140°	2.6	0.1
140°-150°	2.4	0.1
150°-160°	1.6	0.0
160°-170°	0.9	0.0
170°-180°	0.3	0.0
0°-30°	1243.4	29.2
0°-40°	2002.0	46.9
0°-60°	3397.9	79.7
0°-90°	4227.2	99.1
90°-120°	27.1	0.6
90°-150°	34.9	0.8
90°-180°	38.0	0.9
0°-180°	4265.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1636	1636	1636	1636	1636	
5°	1629	1631	1626	1619	1629	155
15°	1571	1560	1560	1528	1571	443
25°	1453	1408	1435	1358	1453	669
35°	1277	1190	1252	1132	1277	798
45°	1054	935	1024	878	1054	813
55°	801	683	767	632	801	716
65°	536	455	500	413	536	530
75°	274	260	241	225	274	291
85°	55	108	35	86	55	65
90°	3	57	1	44	3	3
95°	0	28	1	23	0	0
105°	2	10	2	13	2	2
115°	2	4	3	9	2	2
125°	2	2	3	5	2	2
135°	2	3	4	3	2	2
145°	3	4	3	4	3	2
155°	2	4	3	4	2	1
165°	2	3	3	4	2	1
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°	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8
0.5°	1635.4	1635.5	1635.6	1635.8	1635.9	1636.0	1636.1	1636.2	1636.2	1636.2	1636.2
1°	1635.2	1635.4	1635.7	1636.0	1636.3	1636.3	1636.4	1636.4	1635.8	1635.3	1635.7
1.5°	1635.3	1635.9	1636.0	1635.5	1635.2	1635.4	1636.0	1636.4	1635.9	1636.6	1636.8
2°	1635.0	1635.4	1635.5	1635.5	1635.8	1636.3	1636.6	1636.6	1635.8	1635.9	1636.2
2.5°	1634.4	1634.8	1634.9	1635.0	1635.0	1634.5	1634.7	1634.6	1636.2	1635.2	1634.6
3°	1633.2	1633.6	1634.3	1634.6	1635.0	1635.1	1635.5	1635.7	1635.2	1635.0	1635.1
3.5°	1632.1	1633.0	1633.6	1634.9	1634.3	1634.7	1634.8	1634.3	1634.8	1633.7	1633.2
4°	1631.4	1632.9	1632.4	1633.9	1633.6	1633.8	1633.7	1633.4	1632.6	1634.4	1632.9
4.5°	1629.7	1631.0	1631.5	1632.4	1633.3	1633.1	1632.4	1633.2	1632.6	1632.7	1631.2
5°	1628.6	1629.9	1630.4	1631.0	1632.0	1631.9	1630.4	1631.0	1631.5	1631.4	1630.0
5.5°	1627.6	1628.8	1629.4	1629.7	1630.3	1629.7	1629.2	1629.2	1629.9	1629.6	1628.0
6°	1626.3	1627.4	1627.7	1628.5	1629.3	1628.5	1628.1	1627.7	1627.8	1627.4	1625.7
6.5°	1624.5	1625.9	1626.1	1626.7	1627.6	1626.9	1627.0	1625.9	1625.9	1625.8	1624.0
7°	1622.9	1623.7	1625.0	1624.6	1624.7	1623.8	1625.2	1623.7	1623.5	1623.4	1622.1
7.5°	1620.7	1621.5	1622.7	1623.6	1623.4	1622.6	1622.2	1621.6	1620.9	1619.7	1619.8
8°	1619.0	1619.0	1620.8	1621.1	1621.0	1620.3	1619.7	1619.3	1618.7	1617.8	1617.4
8.5°	1615.9	1616.3	1618.7	1618.3	1618.7	1618.2	1617.3	1616.6	1615.6	1614.9	1613.7
9°	1614.2	1615.6	1615.8	1616.4	1616.4	1615.8	1614.1	1613.8	1612.6	1613.0	1610.7
9.5°	1611.2	1612.6	1613.8	1613.5	1613.8	1612.3	1610.5	1610.5	1609.7	1608.1	1607.5
10°	1608.0	1609.8	1610.8	1610.9	1610.6	1609.5	1607.6	1606.6	1606.0	1606.3	1604.7
10.5°	1605.0	1606.5	1608.0	1608.2	1607.5	1606.2	1604.1	1603.0	1602.3	1602.1	1600.8
11°	1601.6	1602.7	1604.6	1604.7	1604.1	1603.3	1600.1	1599.7	1599.3	1598.2	1597.0
11.5°	1598.2	1600.3	1601.1	1601.5	1600.2	1599.7	1596.5	1596.2	1595.1	1594.3	1592.9
12°	1594.8	1596.8	1598.3	1598.4	1596.8	1595.6	1593.3	1592.0	1589.7	1590.1	1587.9
12.5°	1591.7	1593.2	1594.6	1594.7	1592.6	1591.8	1589.3	1587.6	1585.8	1585.3	1584.0
13°	1587.9	1590.0	1591.1	1590.6	1588.2	1587.9	1584.8	1583.4	1581.6	1579.9	1579.3
13.5°	1583.7	1586.2	1587.3	1586.9	1584.4	1583.5	1579.5	1578.3	1576.7	1574.9	1573.4
14°	1579.7	1582.1	1583.1	1583.2	1580.1	1578.3	1575.4	1573.3	1571.6	1569.5	1568.8
14.5°	1575.8	1578.0	1578.9	1578.9	1575.2	1574.0	1571.1	1568.2	1565.6	1565.0	1562.9
15°	1571.2	1573.8	1574.5	1574.1	1571.3	1569.3	1565.7	1563.0	1560.6	1559.7	1558.4
15.5°	1567.0	1569.5	1569.6	1568.9	1566.9	1564.5	1559.8	1558.0	1554.9	1554.1	1552.2
16°	1562.0	1565.1	1565.5	1564.4	1561.5	1558.9	1554.7	1552.1	1549.6	1547.7	1545.9
16.5°	1556.4	1560.2	1561.0	1559.8	1556.3	1553.4	1548.9	1545.9	1543.4	1541.0	1540.4
17°	1551.2	1555.5	1555.5	1554.9	1551.6	1548.0	1543.3	1539.7	1536.8	1535.5	1534.7
17.5°	1546.9	1550.0	1550.5	1549.3	1546.1	1542.0	1536.4	1533.5	1530.0	1529.3	1527.5
18°	1542.1	1544.6	1545.4	1543.8	1540.1	1536.2	1530.8	1527.1	1523.6	1521.8	1521.0
18.5°	1536.1	1540.0	1540.4	1538.6	1534.5	1530.3	1524.3	1520.2	1517.4	1514.9	1514.1
19°	1530.4	1534.6	1535.0	1532.6	1528.7	1523.8	1518.3	1513.5	1510.0	1507.8	1507.4
19.5°	1524.6	1528.4	1528.7	1526.7	1522.3	1517.0	1511.1	1506.7	1502.4	1501.4	1498.9
20°	1518.9	1522.4	1522.4	1520.5	1516.1	1510.4	1503.8	1499.2	1495.4	1492.7	1492.0
20.5°	1513.1	1516.8	1516.6	1514.3	1509.8	1504.0	1496.7	1491.6	1488.1	1485.3	1484.0
21°	1507.3	1510.9	1510.5	1507.9	1502.6	1496.8	1489.9	1484.1	1480.6	1477.1	1476.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1487.3	1491.0	1491.3	1487.7	1482.2	1475.1	1467.0	1460.6	1455.9	1453.2	1451.4
23°	1481.3	1484.5	1484.2	1480.7	1475.0	1467.7	1459.3	1452.4	1447.2	1445.4	1443.4
23.5°	1473.9	1477.8	1477.4	1473.6	1467.7	1459.7	1451.4	1443.7	1438.5	1435.8	1434.4
24°	1466.8	1470.9	1470.6	1466.2	1459.8	1451.9	1442.5	1435.0	1429.6	1427.0	1425.8
24.5°	1460.1	1463.6	1463.1	1459.0	1451.8	1443.6	1435.1	1426.8	1420.7	1417.7	1416.2
25°	1452.9	1456.7	1455.5	1451.4	1444.3	1435.2	1426.3	1417.9	1411.4	1407.8	1407.1
25.5°	1445.1	1448.9	1448.1	1443.5	1436.9	1427.0	1417.2	1408.6	1402.4	1398.9	1397.4
26°	1437.5	1440.7	1440.4	1435.1	1428.7	1418.1	1408.0	1398.9	1392.2	1388.3	1388.1
26.5°	1429.5	1433.3	1431.7	1427.7	1419.5	1409.3	1398.6	1389.7	1382.8	1379.2	1377.8
27°	1421.6	1426.0	1423.9	1418.9	1410.8	1400.6	1389.5	1380.1	1373.1	1368.6	1368.5
27.5°	1413.8	1417.9	1416.4	1410.3	1402.3	1391.2	1381.0	1370.2	1362.2	1359.2	1358.2
28°	1405.2	1409.7	1408.3	1402.2	1393.5	1382.1	1370.2	1360.7	1352.5	1348.6	1347.4
28.5°	1397.0	1401.3	1399.9	1393.9	1385.0	1373.1	1360.7	1350.7	1341.6	1337.1	1336.6
29°	1389.3	1393.1	1391.4	1384.9	1375.3	1363.4	1351.2	1340.2	1332.3	1327.6	1326.4
29.5°	1380.7	1384.7	1382.4	1376.4	1366.1	1353.8	1341.6	1329.8	1320.5	1316.6	1316.6
30°	1371.6	1375.2	1373.7	1366.7	1356.8	1343.9	1330.8	1319.3	1310.2	1305.4	1305.8
30.5°	1363.0	1366.5	1364.7	1358.2	1347.3	1333.6	1320.6	1308.7	1298.2	1294.6	1293.9
31°	1354.3	1358.1	1355.4	1349.0	1338.2	1324.0	1309.7	1297.7	1288.4	1283.7	1282.5
31.5°	1345.1	1349.2	1346.4	1339.1	1328.4	1314.2	1299.2	1286.4	1277.1	1272.0	1270.9
32°	1335.2	1339.1	1336.8	1329.1	1318.0	1303.3	1288.7	1275.8	1265.7	1260.3	1259.9
32.5°	1325.8	1329.6	1327.3	1319.1	1307.8	1292.8	1278.0	1264.8	1255.1	1248.7	1248.6
33°	1316.7	1320.5	1317.6	1310.0	1297.7	1282.6	1267.3	1253.2	1243.3	1237.5	1237.2
33.5°	1306.9	1310.7	1308.0	1300.3	1287.8	1272.0	1256.3	1242.2	1231.2	1225.4	1225.1
34°	1296.8	1301.2	1298.1	1289.7	1277.4	1260.8	1244.5	1230.4	1219.5	1213.3	1213.3
34.5°	1286.5	1291.1	1288.1	1279.6	1267.1	1249.9	1233.1	1218.0	1207.3	1201.7	1201.0
35°	1277.0	1281.2	1278.3	1269.5	1256.0	1239.0	1222.0	1206.4	1194.8	1189.5	1189.3
35.5°	1267.1	1270.9	1268.5	1259.2	1245.1	1227.6	1210.4	1194.7	1182.8	1177.4	1177.1
36°	1256.8	1261.3	1257.4	1248.8	1234.5	1216.4	1198.8	1182.8	1170.5	1165.3	1164.7
36.5°	1246.2	1250.3	1247.1	1237.5	1223.9	1205.4	1187.2	1170.5	1158.4	1152.2	1152.9
37°	1235.9	1239.6	1236.5	1227.0	1212.6	1194.2	1175.6	1158.8	1145.5	1139.9	1140.3
37.5°	1225.9	1228.9	1225.7	1216.4	1201.3	1182.5	1163.4	1146.5	1133.5	1127.5	1127.6
38°	1215.8	1218.3	1215.5	1204.9	1190.1	1170.7	1151.3	1134.1	1121.4	1114.7	1114.5
38.5°	1204.5	1207.6	1203.6	1193.9	1178.5	1159.0	1139.2	1121.5	1108.9	1102.8	1102.3
39°	1192.8	1196.7	1192.9	1182.7	1167.0	1147.3	1127.3	1109.2	1096.6	1089.6	1089.1
39.5°	1181.3	1186.1	1181.9	1171.6	1155.2	1135.0	1115.2	1096.7	1083.2	1077.3	1077.2
40°	1170.2	1174.6	1171.0	1159.6	1143.7	1122.7	1102.3	1084.3	1070.5	1064.2	1064.3
40.5°	1159.6	1163.2	1159.7	1148.5	1131.8	1110.9	1089.9	1071.5	1057.5	1051.3	1050.9
41°	1148.4	1151.8	1148.2	1136.8	1120.0	1098.5	1077.6	1059.0	1044.8	1038.6	1037.8
41.5°	1136.7	1140.1	1136.2	1125.4	1108.1	1086.5	1064.8	1045.9	1031.3	1025.3	1025.2
42°	1125.5	1129.3	1125.0	1113.1	1096.4	1074.5	1053.0	1033.4	1019.1	1013.0	1012.1
42.5°	1114.3	1117.6	1113.2	1102.0	1083.6	1062.0	1040.3	1020.8	1006.3	999.7	999.1
43°	1102.4	1105.8	1101.5	1089.2	1071.5	1049.4	1027.5	1007.8	993.3	987.0	986.4
43.5°	1090.1	1094.2	1089.5	1077.9	1059.9	1037.1	1014.6	994.9	980.2	973.6	973.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	1054.3	1058.0	1053.3	1040.9	1023.0	999.4	976.6	956.2	941.2	934.6	934.3
45.5°	1042.6	1046.0	1041.1	1028.5	1010.0	986.7	963.9	943.3	928.7	921.3	921.4
46°	1030.1	1033.8	1029.1	1016.3	997.4	973.9	950.7	930.5	916.2	907.9	908.7
46.5°	1017.3	1021.2	1016.5	1003.8	984.8	961.1	937.6	917.6	902.5	895.8	895.9
47°	1004.8	1009.1	1004.9	991.4	972.5	948.4	924.8	904.5	889.4	882.8	882.5
47.5°	992.9	996.5	992.2	979.5	960.2	935.8	912.5	891.1	876.6	869.9	869.5
48°	980.8	984.3	979.5	967.1	947.8	922.9	899.6	878.6	864.1	856.5	857.2
48.5°	967.9	971.2	966.6	954.2	934.9	910.3	887.0	865.9	850.7	844.2	844.4
49°	955.9	959.7	954.0	940.9	922.1	897.6	873.9	853.2	838.3	831.1	831.1
49.5°	943.1	946.6	942.3	928.8	909.1	884.7	861.4	840.3	825.2	818.3	818.7
50°	930.4	934.3	929.2	916.4	896.2	871.7	848.8	827.5	813.2	805.4	805.8
50.5°	917.3	921.4	916.5	903.9	883.8	859.1	835.8	814.7	799.8	793.0	792.7
51°	904.8	908.7	903.4	890.3	871.2	846.4	823.1	802.4	788.0	780.2	779.8
51.5°	891.9	895.8	890.7	878.0	858.4	833.6	810.0	789.6	774.7	768.6	767.9
52°	879.4	883.2	878.3	865.0	845.4	821.2	797.8	777.4	762.7	755.2	755.4
52.5°	866.1	869.9	864.7	852.1	832.4	808.0	785.0	764.8	750.5	743.3	743.2
53°	853.2	857.2	852.2	839.1	819.5	795.3	772.3	752.3	738.2	730.6	730.3
53.5°	840.3	843.9	839.0	826.3	806.6	782.7	759.9	740.0	724.9	718.9	718.0
54°	827.4	830.8	826.2	813.7	794.0	769.9	747.4	727.4	713.2	706.1	706.3
54.5°	814.1	818.1	813.0	800.6	781.6	757.0	734.4	714.9	700.7	694.0	693.9
55°	800.8	805.1	800.4	787.7	768.3	744.2	722.0	702.6	688.9	682.8	681.4
55.5°	788.1	791.9	787.0	775.0	756.0	732.0	709.6	690.1	676.4	670.2	669.2
56°	774.6	778.6	774.3	761.9	743.2	719.8	697.7	677.9	664.7	658.0	657.6
56.5°	761.7	765.7	761.2	749.1	730.5	707.1	685.0	666.1	652.9	646.3	645.8
57°	749.0	752.3	747.9	736.0	717.3	694.5	672.7	654.0	640.5	634.6	633.9
57.5°	735.4	739.7	734.4	723.3	705.1	682.3	660.5	641.8	629.1	622.7	622.0
58°	722.0	726.0	722.2	709.8	691.5	669.9	648.6	630.3	617.3	610.6	610.7
58.5°	709.1	712.9	708.5	697.3	679.2	657.1	636.2	618.1	605.7	599.3	598.9
59°	695.6	700.2	695.5	684.4	666.7	644.8	624.1	606.1	594.4	588.3	587.3
59.5°	682.5	686.4	682.4	671.6	654.0	632.5	612.3	595.0	583.0	577.3	575.3
60°	669.0	673.2	669.6	658.5	641.2	620.2	600.1	583.6	571.6	565.8	564.0
60.5°	655.8	659.6	656.3	645.7	629.3	608.1	588.9	572.4	560.1	554.2	552.6
61°	642.5	646.2	643.1	633.0	616.8	596.2	574.0	560.6	548.6	542.6	541.3
61.5°	629.4	633.7	629.7	619.4	603.8	583.8	561.9	548.8	537.1	531.0	530.0
62°	616.0	620.4	617.2	607.0	590.8	571.3	551.0	537.2	525.5	519.5	518.7
62.5°	602.8	606.7	604.1	594.6	578.8	559.4	540.0	525.6	514.0	508.2	507.3
63°	589.4	593.7	590.8	581.7	566.3	547.4	529.0	514.1	503.2	497.5	496.6
63.5°	576.3	580.1	577.7	568.3	553.8	535.4	518.1	503.0	492.3	486.8	486.0
64°	562.8	566.7	564.1	556.9	541.2	523.4	506.4	492.1	481.6	476.1	475.1
64.5°	549.2	553.3	551.0	552.7	529.0	511.5	495.2	481.0	470.8	465.3	464.1
65°	535.7	539.9	537.9	537.3	517.6	499.5	484.0	470.1	460.1	455.0	453.6
65.5°	522.1	526.4	524.8	522.1	505.1	487.7	472.6	459.2	449.5	444.1	442.9
66°	508.5	513.0	511.7	506.8	492.6	476.2	461.4	448.4	439.2	433.7	432.8



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	468.9	473.2	472.7	466.8	456.1	442.0	428.5	417.1	408.1	403.0	401.7
68°	456.0	460.2	459.6	454.4	444.1	430.7	417.6	406.5	398.1	393.1	391.7
68.5°	442.6	447.0	447.1	441.5	432.1	419.2	407.0	396.0	388.1	383.3	381.1
69°	429.4	433.9	434.2	429.8	420.4	407.8	396.3	385.8	377.5	373.2	371.5
69.5°	416.3	421.3	421.4	417.4	408.9	396.7	385.7	375.5	367.6	363.0	361.5
70°	403.0	408.1	408.8	405.3	397.2	385.8	375.1	365.2	357.8	353.1	351.6
70.5°	389.9	394.9	396.1	392.8	385.9	375.0	364.8	355.3	348.2	343.7	341.7
71°	377.0	381.7	383.5	380.9	374.1	364.0	354.3	345.4	338.6	334.2	332.3
71.5°	364.0	369.1	370.5	368.5	362.7	353.1	344.1	335.6	328.7	324.5	322.9
72°	351.2	356.1	358.3	356.4	351.2	342.4	333.7	325.7	319.1	314.8	313.1
72.5°	338.3	343.2	345.9	344.5	339.6	331.4	323.7	315.8	309.6	305.9	303.7
73°	325.2	330.5	333.7	333.0	328.7	320.8	313.4	306.1	300.3	296.4	294.2
73.5°	312.0	317.9	321.1	321.1	317.4	310.9	303.5	296.6	290.9	287.2	285.0
74°	299.6	304.8	308.8	309.5	306.3	300.2	293.7	287.1	281.9	278.0	275.9
74.5°	286.9	292.6	296.6	297.6	295.3	289.6	284.0	277.8	272.8	269.1	267.3
75°	274.3	280.1	284.6	286.0	284.4	279.4	274.2	268.6	263.7	260.2	258.0
75.5°	261.5	267.8	272.4	274.5	273.7	269.3	264.6	259.3	254.6	251.4	249.2
76°	249.1	255.2	260.5	263.4	262.6	259.0	255.1	250.3	246.0	242.7	240.3
76.5°	236.9	243.3	248.7	252.0	252.2	249.2	245.5	241.2	237.3	234.2	231.7
77°	224.7	230.8	237.0	240.8	241.8	239.5	236.3	232.2	228.5	225.4	223.0
77.5°	212.3	219.0	225.5	229.7	231.4	229.8	227.1	223.5	219.9	217.1	214.6
78°	200.6	207.1	213.8	219.0	221.0	220.3	218.1	214.8	211.8	208.9	206.4
78.5°	188.6	195.5	202.4	208.2	210.9	210.7	208.9	206.3	203.6	200.7	198.3
79°	176.8	183.9	191.4	197.6	200.9	201.2	200.3	197.9	195.3	192.6	190.1
79.5°	165.2	172.2	180.3	187.0	191.1	192.0	191.7	189.6	187.3	184.9	182.3
80°	154.3	161.0	169.2	176.8	181.4	183.0	182.9	181.4	179.5	177.2	174.5
80.5°	143.0	150.1	158.7	166.6	171.8	174.1	174.5	173.5	171.8	169.4	166.9
81°	132.0	139.3	148.3	156.6	162.5	165.4	166.5	165.7	164.2	161.9	159.5
81.5°	121.3	128.6	138.1	146.7	153.4	156.7	158.4	158.1	156.9	154.9	152.2
82°	110.8	118.1	127.8	137.3	144.3	148.4	150.5	150.7	149.7	147.6	145.0
82.5°	100.1	108.0	118.2	127.9	135.4	140.3	142.7	143.3	142.4	140.5	137.8
83°	90.6	98.2	108.5	118.8	126.9	132.3	135.3	136.0	135.5	133.9	131.1
83.5°	81.1	88.7	99.2	110.0	118.7	124.4	127.9	129.1	128.9	127.1	124.5
84°	72.0	79.6	90.2	101.4	110.6	116.9	120.8	122.4	122.2	120.7	118.1
84.5°	63.0	70.7	81.7	93.0	102.7	109.5	113.7	115.7	115.8	114.3	111.8
85°	54.8	62.2	73.3	85.1	95.3	102.4	107.0	109.2	109.6	108.2	105.6
85.5°	47.7	54.6	65.5	77.6	87.9	95.6	100.5	103.0	103.4	102.1	99.7
86°	40.5	47.6	57.9	70.3	81.1	89.1	94.2	96.9	97.5	96.4	93.8
86.5°	33.4	40.7	51.7	63.3	74.4	82.7	88.1	91.2	91.9	90.9	88.4
87°	26.3	33.8	45.7	56.3	68.1	76.6	82.3	85.6	86.4	85.7	83.0
87.5°	20.2	26.9	39.6	51.0	62.0	70.8	76.7	80.1	81.1	80.4	77.9
88°	14.6	21.2	33.5	45.7	56.1	65.2	71.4	74.8	76.1	75.3	72.9
88.5°	9.8	16.2	27.4	40.4	51.4	59.8	66.1	69.9	71.2	70.5	68.2



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	3.1	5.7	15.1	26.5	37.5	46.6	53.3	56.4	57.9	57.3	55.6
90.5°	1.7	4.6	12.2	22.9	33.5	42.5	49.3	52.9	54.4	53.9	52.1
91°	0.3	3.6	9.9	19.6	29.8	38.5	45.4	49.3	50.9	50.5	48.5
91.5°	0.3	2.6	8.0	17.0	26.5	34.9	41.4	45.7	47.4	47.0	45.0
92°	0.2	1.6	6.5	14.6	23.6	31.6	37.8	42.0	43.9	43.6	41.5
92.5°	0.2	1.2	5.8	12.6	21.0	28.7	34.7	38.6	40.4	40.2	38.4
93°	0.2	1.0	5.1	10.9	18.6	26.0	31.8	35.7	37.5	37.4	35.6
93.5°	0.2	0.8	4.4	9.5	16.6	23.5	29.2	32.9	34.7	34.6	33.0
94°	0.2	0.7	3.7	8.4	14.8	21.3	26.7	30.4	32.1	32.1	30.6
94.5°	0.3	0.6	3.3	7.5	13.3	19.4	24.5	28.0	29.8	29.8	28.3
95°	0.4	0.5	3.0	6.9	12.0	17.6	22.4	25.9	27.6	27.6	26.2
95.5°	0.4	0.5	2.7	6.4	11.0	16.1	20.6	23.9	25.6	25.7	24.3
96°	0.5	0.6	2.4	6.0	10.1	14.8	19.0	22.1	23.7	23.8	22.6
96.5°	0.5	0.6	2.2	5.6	9.4	13.7	17.6	20.5	22.1	22.2	21.1
97°	0.6	0.7	2.0	5.2	8.9	12.7	16.4	19.1	20.6	20.8	19.7
97.5°	0.7	0.7	1.8	4.8	8.4	11.9	15.3	17.8	19.3	19.5	18.5
98°	0.7	0.7	1.7	4.5	8.0	11.3	14.3	16.7	18.1	18.3	17.4
98.5°	0.8	0.8	1.5	4.2	7.5	10.7	13.6	15.8	17.0	17.3	16.5
99°	0.8	0.8	1.4	3.9	7.1	10.3	12.9	15.0	16.1	16.4	15.6
99.5°	0.9	0.9	1.3	3.6	6.7	9.8	12.3	14.3	15.4	15.6	14.9
100°	1.0	0.9	1.2	3.4	6.4	9.3	11.8	13.7	14.7	14.9	14.3
100.5°	1.1	1.0	1.2	3.2	6.0	8.9	11.4	13.2	14.2	14.4	13.8
101°	1.2	1.1	1.2	2.9	5.7	8.5	10.9	12.7	13.7	13.9	13.3
101.5°	1.3	1.2	1.2	2.7	5.4	8.1	10.4	12.2	13.2	13.4	12.9
102°	1.4	1.2	1.2	2.5	5.1	7.7	9.9	11.7	12.7	12.9	12.4
102.5°	1.5	1.3	1.2	2.3	4.8	7.3	9.5	11.2	12.2	12.5	12.0
103°	1.6	1.3	1.2	2.2	4.5	6.9	9.1	10.8	11.7	12.0	11.5
103.5°	1.6	1.4	1.2	2.0	4.2	6.6	8.7	10.3	11.3	11.5	11.1
104°	1.7	1.4	1.1	1.9	3.9	6.3	8.3	9.9	10.9	11.1	10.7
104.5°	1.7	1.5	1.1	1.8	3.6	6.0	8.0	9.5	10.5	10.7	10.3
105°	1.7	1.7	1.1	1.7	3.4	5.6	7.6	9.1	10.1	10.3	9.9
105.5°	1.7	1.9	1.1	1.6	3.2	5.3	7.3	8.7	9.7	9.9	9.5
106°	1.7	1.9	1.1	1.6	3.0	5.0	6.9	8.4	9.3	9.6	9.2
106.5°	1.7	1.7	1.1	1.5	2.8	4.8	6.6	8.0	9.0	9.2	8.8
107°	1.7	1.7	1.2	1.5	2.7	4.5	6.3	7.7	8.6	8.9	8.5
107.5°	1.7	1.7	1.2	1.4	2.5	4.3	6.0	7.3	8.3	8.5	8.2
108°	1.7	1.7	1.2	1.4	2.4	4.0	5.7	7.0	7.9	8.2	7.8
108.5°	1.7	1.7	1.3	1.4	2.2	3.8	5.4	6.7	7.6	7.9	7.5
109°	1.7	1.8	1.3	1.3	2.1	3.6	5.1	6.4	7.3	7.6	7.2
109.5°	1.7	1.8	1.3	1.3	2.0	3.4	4.8	6.1	7.0	7.3	7.0
110°	1.8	1.8	1.3	1.3	1.9	3.2	4.6	5.9	6.7	7.0	6.7
110.5°	1.8	1.8	1.4	1.3	1.9	3.0	4.4	5.6	6.5	6.7	6.4
111°	1.8	1.8	1.4	1.3	1.8	2.9	4.1	5.3	6.2	6.4	6.2



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.8	1.7	1.6	1.4	1.7	2.4	3.5	4.6	5.4	5.6	5.4
113°	1.8	1.7	1.6	1.4	1.7	2.3	3.3	4.4	5.1	5.4	5.2
113.5°	1.8	1.8	1.6	1.4	1.6	2.2	3.2	4.2	4.9	5.1	4.9
114°	1.9	1.8	1.7	1.5	1.6	2.2	3.0	4.0	4.7	4.9	4.7
114.5°	1.9	1.8	1.7	1.5	1.5	2.1	2.9	3.8	4.4	4.7	4.5
115°	1.9	1.8	1.8	1.5	1.5	2.1	2.7	3.6	4.2	4.5	4.3
115.5°	1.9	1.9	1.8	1.5	1.5	2.0	2.6	3.4	4.0	4.3	4.2
116°	1.9	1.9	1.9	1.6	1.5	2.0	2.5	3.3	3.9	4.1	4.0
116.5°	1.9	1.9	2.0	1.6	1.5	1.9	2.5	3.1	3.7	3.9	3.8
117°	1.9	2.0	2.1	1.6	1.5	1.9	2.4	3.0	3.5	3.8	3.7
117.5°	1.9	2.0	2.2	1.7	1.6	1.9	2.3	2.9	3.4	3.6	3.6
118°	1.9	2.1	2.3	1.7	1.6	1.8	2.3	2.8	3.2	3.5	3.4
118.5°	2.0	2.1	2.4	1.7	1.6	1.7	2.2	2.7	3.1	3.4	3.3
119°	2.0	2.1	2.3	1.8	1.6	1.7	2.2	2.6	3.0	3.3	3.2
119.5°	2.0	2.1	2.3	1.8	1.7	1.7	2.1	2.6	3.0	3.2	3.1
120°	2.0	2.2	2.2	1.8	1.7	1.7	2.1	2.5	2.9	3.1	3.1
120.5°	2.0	2.2	2.2	1.9	1.7	1.7	2.0	2.4	2.8	3.0	3.0
121°	2.1	2.2	2.2	1.9	1.7	1.7	1.9	2.3	2.7	2.9	2.9
121.5°	2.1	2.2	2.2	1.9	1.8	1.8	1.9	2.3	2.6	2.9	2.9
122°	2.1	2.2	2.3	2.0	1.8	1.8	1.8	2.2	2.6	2.8	2.8
122.5°	2.1	2.3	2.3	2.0	1.9	1.8	1.8	2.2	2.5	2.7	2.8
123°	2.1	2.3	2.4	2.1	1.9	1.8	1.8	2.1	2.5	2.7	2.7
123.5°	2.2	2.3	2.4	2.1	1.9	1.9	1.8	2.0	2.4	2.6	2.7
124°	2.2	2.3	2.4	2.2	2.0	1.9	1.8	2.0	2.4	2.6	2.6
124.5°	2.2	2.3	2.4	2.2	2.0	2.0	1.9	1.9	2.3	2.5	2.5
125°	2.2	2.4	2.4	2.3	2.1	2.0	1.9	1.9	2.2	2.5	2.5
125.5°	2.2	2.4	2.5	2.4	2.1	2.0	1.9	2.0	2.2	2.4	2.5
126°	2.3	2.4	2.5	2.4	2.1	2.0	1.9	2.0	2.2	2.4	2.5
126.5°	2.3	2.4	2.5	2.5	2.2	2.1	2.0	2.0	2.2	2.4	2.5
127°	2.3	2.4	2.5	2.6	2.2	2.1	2.0	2.1	2.2	2.4	2.5
127.5°	2.3	2.4	2.4	2.7	2.2	2.1	2.1	2.1	2.3	2.4	2.5
128°	2.4	2.4	2.4	2.8	2.3	2.2	2.1	2.2	2.3	2.5	2.6
128.5°	2.4	2.4	2.4	2.8	2.3	2.2	2.2	2.2	2.4	2.5	2.6
129°	2.4	2.4	2.4	2.8	2.4	2.2	2.2	2.3	2.4	2.5	2.6
129.5°	2.4	2.4	2.4	2.8	2.4	2.3	2.2	2.3	2.5	2.6	2.7
130°	2.4	2.4	2.4	2.8	2.5	2.3	2.3	2.4	2.5	2.6	2.7
130.5°	2.4	2.4	2.4	2.8	2.5	2.4	2.3	2.4	2.5	2.7	2.8
131°	2.4	2.4	2.4	2.8	2.6	2.4	2.4	2.5	2.6	2.7	2.8
131.5°	2.5	2.5	2.4	2.9	2.6	2.5	2.4	2.5	2.6	2.8	2.8
132°	2.5	2.5	2.4	2.9	2.7	2.5	2.5	2.6	2.7	2.8	2.9
132.5°	2.5	2.5	2.5	3.0	2.8	2.6	2.6	2.6	2.7	2.8	2.9
133°	2.5	2.5	2.5	3.0	2.9	2.6	2.6	2.7	2.8	2.9	3.0
133.5°	2.5	2.5	2.5	3.1	3.0	2.7	2.7	2.7	2.8	2.9	3.0



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.5	2.6	2.6	3.1	3.3	2.9	2.9	2.9	2.9	3.0	3.2
135.5°	2.5	2.6	2.6	3.1	3.3	3.0	2.9	3.0	3.0	3.1	3.2
136°	2.5	2.6	2.7	3.1	3.3	3.0	3.0	3.0	3.0	3.1	3.3
136.5°	2.5	2.6	2.7	3.1	3.3	3.1	3.0	3.1	3.1	3.2	3.3
137°	2.5	2.6	2.7	3.1	3.3	3.2	3.1	3.1	3.1	3.2	3.4
137.5°	2.5	2.7	2.8	3.0	3.4	3.3	3.2	3.2	3.2	3.3	3.4
138°	2.5	2.7	2.8	3.0	3.4	3.4	3.2	3.2	3.2	3.3	3.5
138.5°	2.5	2.8	2.8	2.9	3.4	3.5	3.2	3.3	3.3	3.3	3.5
139°	2.6	2.8	2.8	2.9	3.4	3.6	3.3	3.3	3.3	3.4	3.6
139.5°	2.6	2.8	2.8	2.9	3.5	3.7	3.3	3.3	3.3	3.4	3.6
140°	2.6	2.9	2.9	2.9	3.5	3.7	3.4	3.4	3.4	3.5	3.7
140.5°	2.6	2.9	2.9	2.9	3.5	3.8	3.5	3.4	3.4	3.6	3.8
141°	2.6	2.9	2.9	2.9	3.5	3.8	3.6	3.5	3.5	3.6	3.8
141.5°	2.6	2.9	2.9	2.9	3.5	3.8	3.7	3.5	3.5	3.7	3.9
142°	2.6	3.0	2.9	2.9	3.5	3.9	3.8	3.6	3.6	3.7	3.9
142.5°	2.6	3.0	2.9	2.8	3.5	3.9	3.9	3.6	3.6	3.8	4.0
143°	2.6	3.0	3.0	2.8	3.5	3.8	4.0	3.7	3.7	3.8	4.1
143.5°	2.6	3.0	3.0	2.8	3.4	3.8	4.0	3.8	3.8	3.9	4.2
144°	2.6	3.0	3.0	2.8	3.4	3.8	4.1	3.9	3.8	4.0	4.2
144.5°	2.6	3.0	3.0	2.8	3.3	3.8	4.1	4.0	3.9	4.1	4.3
145°	2.6	3.0	3.0	2.8	3.3	3.8	4.1	4.2	4.0	4.1	4.4
145.5°	2.6	3.0	3.0	2.8	3.3	3.8	4.1	4.3	4.1	4.2	4.4
146°	2.6	3.0	3.0	2.8	3.2	3.8	4.1	4.3	4.3	4.3	4.6
146.5°	2.6	3.0	3.1	2.8	3.2	3.8	4.0	4.3	4.4	4.4	4.7
147°	2.6	3.0	3.1	2.8	3.2	3.8	4.0	4.3	4.5	4.6	4.8
147.5°	2.6	3.0	3.1	2.8	3.1	3.8	4.0	4.3	4.5	4.6	4.9
148°	2.6	3.0	3.1	2.8	3.1	3.7	4.0	4.3	4.5	4.6	4.8
148.5°	2.6	3.0	3.1	2.8	3.1	3.7	4.0	4.3	4.4	4.7	4.8
149°	2.5	3.0	3.1	2.8	3.0	3.7	4.0	4.2	4.5	4.6	4.8
149.5°	2.5	3.0	3.1	2.8	3.0	3.6	4.0	4.2	4.5	4.7	4.8
150°	2.5	3.0	3.1	2.8	3.0	3.6	4.0	4.2	4.5	4.6	4.8
150.5°	2.5	3.0	3.1	2.9	3.0	3.5	3.9	4.2	4.4	4.6	4.7
151°	2.4	3.0	3.1	2.9	2.9	3.5	3.9	4.2	4.4	4.5	4.7
151.5°	2.3	2.9	3.1	2.9	2.9	3.4	3.9	4.2	4.4	4.5	4.7
152°	2.3	2.9	3.1	2.9	2.9	3.3	3.8	4.2	4.4	4.4	4.7
152.5°	2.3	2.8	3.1	2.9	2.9	3.3	3.8	4.1	4.3	4.4	4.7
153°	2.2	2.8	3.1	2.9	2.9	3.2	3.7	4.1	4.3	4.4	4.6
153.5°	2.1	2.8	3.1	3.0	2.9	3.2	3.6	4.0	4.3	4.4	4.5
154°	1.9	2.7	3.1	3.0	2.9	3.1	3.6	4.0	4.2	4.4	4.4
154.5°	1.9	2.7	3.1	3.0	2.9	3.1	3.5	3.9	4.1	4.3	4.3
155°	1.9	2.7	3.1	3.0	3.0	3.1	3.4	3.8	4.0	4.2	4.2
155.5°	1.9	2.7	3.1	3.0	3.0	3.1	3.4	3.7	4.0	4.1	4.1
156°	1.8	2.7	3.1	3.1	3.0	3.1	3.3	3.6	3.9	4.0	4.0



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.7	2.6	3.1	3.1	3.1	3.1	3.2	3.4	3.6	3.7	3.8
158°	1.7	2.7	3.1	3.1	3.1	3.1	3.2	3.3	3.6	3.7	3.7
158.5°	1.7	2.7	3.1	3.1	3.2	3.1	3.1	3.3	3.5	3.6	3.6
159°	1.7	2.6	3.1	3.1	3.2	3.2	3.2	3.3	3.4	3.5	3.6
159.5°	1.7	2.6	3.1	3.1	3.2	3.2	3.2	3.2	3.3	3.4	3.5
160°	1.7	2.6	3.0	3.1	3.2	3.2	3.2	3.2	3.3	3.4	3.4
160.5°	1.7	2.5	3.0	3.2	3.3	3.3	3.2	3.2	3.3	3.3	3.4
161°	1.7	2.5	3.0	3.2	3.3	3.3	3.2	3.2	3.3	3.3	3.4
161.5°	1.7	2.5	3.0	3.2	3.3	3.3	3.3	3.2	3.3	3.3	3.4
162°	1.8	2.5	3.0	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.4
162.5°	1.8	2.5	3.0	3.2	3.3	3.4	3.3	3.3	3.3	3.3	3.4
163°	1.8	2.4	3.0	3.2	3.3	3.4	3.3	3.3	3.3	3.3	3.4
163.5°	1.8	2.3	3.0	3.2	3.3	3.4	3.4	3.3	3.3	3.3	3.4
164°	1.8	2.3	2.9	3.1	3.4	3.4	3.4	3.4	3.3	3.3	3.4
164.5°	1.8	2.2	3.0	3.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4
165°	1.8	2.1	2.9	3.1	3.4	3.5	3.4	3.4	3.4	3.4	3.4
165.5°	1.8	2.1	2.9	3.1	3.4	3.5	3.5	3.4	3.4	3.4	3.5
166°	1.8	2.2	2.9	3.0	3.4	3.5	3.5	3.5	3.5	3.4	3.5
166.5°	1.8	2.2	3.0	3.0	3.4	3.5	3.5	3.5	3.5	3.5	3.5
167°	1.9	2.2	2.9	3.1	3.3	3.5	3.5	3.5	3.5	3.5	3.5
167.5°	1.9	2.3	2.7	3.0	3.3	3.5	3.5	3.6	3.5	3.5	3.6
168°	1.9	2.3	2.8	2.8	3.3	3.5	3.6	3.6	3.6	3.6	3.6
168.5°	1.9	2.2	2.9	2.8	3.3	3.5	3.6	3.6	3.6	3.6	3.6
169°	1.9	2.0	2.7	2.9	3.2	3.5	3.6	3.6	3.6	3.6	3.6
169.5°	2.0	2.2	2.4	3.0	2.9	3.4	3.5	3.6	3.6	3.6	3.6
170°	2.0	2.4	2.5	2.9	3.0	3.3	3.5	3.6	3.6	3.6	3.6
170.5°	2.3	2.3	2.7	2.8	3.2	3.4	3.5	3.6	3.6	3.6	3.6
171°	2.6	2.4	2.8	2.8	3.1	3.3	3.5	3.6	3.6	3.6	3.6
171.5°	2.6	2.6	2.6	2.8	2.8	2.9	3.4	3.6	3.6	3.6	3.6
172°	2.6	2.7	2.6	2.8	2.9	2.8	3.3	3.5	3.5	3.6	3.6
172.5°	2.8	2.7	2.8	2.7	2.9	3.1	3.3	3.5	3.5	3.5	3.5
173°	2.8	2.8	2.8	2.8	2.8	3.1	3.3	3.4	3.4	3.4	3.5
173.5°	2.8	2.8	2.9	2.8	2.8	2.9	3.3	3.3	3.4	3.4	3.4
174°	2.8	2.8	2.9	2.7	2.9	3.0	3.1	3.3	3.3	3.3	3.4
174.5°	2.9	2.9	3.0	2.8	2.7	2.9	2.9	3.2	3.3	3.3	3.3
175°	3.0	3.0	3.0	2.9	2.7	2.8	3.0	3.2	3.3	3.3	3.3
175.5°	3.0	3.0	3.1	2.9	2.8	2.8	3.0	3.3	3.3	3.3	3.2
176°	3.1	3.1	3.1	2.9	2.7	2.6	2.8	3.2	3.3	3.3	3.2
176.5°	3.1	3.1	3.1	3.1	2.8	2.7	2.8	3.1	3.2	3.3	3.2
177°	3.1	3.1	3.1	3.1	2.9	2.7	2.9	3.1	3.1	3.2	3.2
177.5°	3.1	3.1	3.1	3.0	2.8	2.7	2.8	3.0	3.1	3.2	3.1
178°	3.1	3.1	3.1	3.0	2.8	2.7	2.7	2.8	3.0	3.1	3.0
178.5°	3.1	3.1	3.0	2.9	2.6	2.5	2.5	2.7	3.0	3.1	3.0



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8
0.5°	1636.2	1636.1	1636.0	1635.8	1635.7	1635.5	1635.3	1635.2	1635.2	1635.2	1635.2
1°	1636.2	1636.4	1636.6	1636.7	1636.6	1636.2	1635.8	1635.4	1635.0	1634.8	1634.7
1.5°	1636.6	1636.5	1636.0	1635.3	1634.7	1634.7	1634.7	1634.5	1634.2	1633.9	1633.9
2°	1636.6	1635.3	1633.9	1634.0	1633.9	1633.3	1633.1	1633.2	1632.9	1632.7	1632.7
2.5°	1635.3	1635.1	1635.2	1634.2	1634.1	1633.8	1632.8	1632.6	1632.3	1632.1	1631.7
3°	1634.6	1634.3	1633.9	1633.2	1633.2	1632.9	1632.5	1631.9	1630.6	1629.6	1629.9
3.5°	1633.3	1632.9	1632.9	1633.0	1632.2	1631.0	1630.8	1631.0	1629.1	1628.4	1628.1
4°	1633.0	1632.2	1631.6	1631.6	1631.3	1630.5	1629.3	1629.7	1628.6	1627.3	1626.2
4.5°	1630.0	1630.9	1629.3	1630.3	1630.4	1629.2	1627.9	1627.1	1626.6	1625.5	1624.6
5°	1629.3	1629.3	1629.0	1628.2	1628.5	1627.9	1626.8	1625.8	1625.2	1624.1	1622.1
5.5°	1628.4	1627.7	1627.4	1626.4	1626.8	1625.6	1625.4	1624.3	1623.6	1622.4	1620.1
6°	1626.5	1625.7	1625.0	1624.7	1624.5	1623.9	1623.5	1622.2	1621.3	1620.4	1617.6
6.5°	1624.2	1623.6	1623.2	1622.6	1622.1	1622.7	1621.7	1620.2	1618.4	1618.3	1615.3
7°	1622.1	1621.1	1621.6	1620.6	1620.3	1620.4	1619.6	1617.6	1615.8	1615.1	1613.1
7.5°	1619.4	1618.8	1618.9	1618.9	1617.6	1617.8	1616.8	1615.8	1613.2	1612.8	1610.9
8°	1616.9	1616.5	1616.1	1616.2	1615.7	1615.7	1613.6	1612.5	1610.8	1610.1	1607.4
8.5°	1613.6	1613.7	1613.2	1612.9	1613.3	1612.4	1612.2	1610.0	1608.9	1606.9	1604.6
9°	1610.4	1610.7	1610.3	1610.2	1610.7	1609.4	1608.9	1607.7	1605.2	1603.7	1601.5
9.5°	1607.7	1607.8	1606.9	1607.1	1607.2	1606.9	1605.3	1604.1	1601.5	1600.2	1597.5
10°	1604.1	1604.2	1603.5	1604.4	1604.0	1602.6	1602.7	1601.0	1598.5	1596.9	1594.0
10.5°	1600.4	1600.9	1599.4	1601.1	1600.5	1599.7	1599.7	1598.0	1595.6	1592.7	1590.6
11°	1596.0	1597.4	1596.7	1597.9	1597.3	1596.8	1596.3	1594.6	1591.7	1588.7	1586.3
11.5°	1591.9	1593.3	1592.4	1593.6	1593.6	1593.7	1592.4	1590.3	1587.4	1585.3	1581.9
12°	1587.8	1588.7	1588.4	1589.2	1590.1	1589.3	1588.5	1586.6	1584.0	1581.7	1577.8
12.5°	1583.6	1584.7	1584.6	1584.8	1586.2	1585.3	1584.4	1582.8	1580.4	1576.7	1574.0
13°	1579.1	1580.2	1579.6	1580.2	1581.4	1581.0	1580.7	1578.9	1576.6	1572.3	1569.6
13.5°	1573.9	1574.6	1574.7	1576.1	1576.9	1576.6	1576.4	1574.5	1571.4	1567.6	1564.0
14°	1568.5	1569.7	1570.5	1571.8	1572.5	1572.3	1571.9	1570.6	1566.7	1563.1	1559.1
14.5°	1563.1	1564.5	1565.5	1566.7	1568.0	1567.9	1567.4	1565.7	1562.8	1557.9	1554.0
15°	1557.6	1559.8	1560.2	1561.8	1563.7	1562.9	1562.9	1560.5	1558.1	1552.3	1548.8
15.5°	1551.9	1554.7	1555.4	1556.9	1558.8	1557.7	1558.3	1555.6	1552.6	1547.5	1543.5
16°	1545.8	1548.5	1549.7	1551.3	1553.2	1553.0	1553.0	1551.0	1547.3	1542.9	1538.3
16.5°	1540.0	1542.8	1544.0	1545.7	1547.5	1548.0	1547.5	1546.2	1542.6	1537.6	1532.3
17°	1533.7	1536.4	1537.9	1539.9	1542.4	1542.3	1542.2	1540.9	1537.0	1531.6	1525.9
17.5°	1527.2	1530.5	1532.2	1534.1	1537.2	1537.2	1537.8	1535.2	1531.2	1526.0	1520.0
18°	1521.0	1523.4	1526.2	1528.9	1531.1	1531.2	1531.6	1529.1	1525.1	1520.1	1513.6
18.5°	1513.9	1516.3	1520.1	1522.5	1525.2	1525.0	1525.0	1523.6	1519.3	1513.4	1506.8
19°	1506.6	1509.3	1513.1	1515.5	1519.1	1519.5	1519.5	1517.7	1513.9	1507.1	1500.7
19.5°	1499.2	1502.4	1506.2	1509.5	1512.5	1513.0	1513.4	1511.5	1507.4	1500.8	1493.7
20°	1492.7	1496.1	1499.5	1502.9	1505.9	1507.1	1507.1	1505.5	1501.2	1494.3	1487.0
20.5°	1485.1	1488.5	1492.7	1495.6	1499.7	1500.4	1500.4	1499.3	1494.8	1487.7	1479.9
21°	1477.2	1481.6	1485.0	1488.6	1492.5	1494.2	1494.2	1492.4	1488.0	1480.5	1472.8



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1452.9	1456.9	1462.1	1467.4	1471.4	1473.7	1473.6	1471.3	1467.0	1458.6	1450.9
23°	1444.4	1448.9	1454.5	1459.5	1464.0	1466.1	1466.3	1464.0	1459.8	1451.7	1442.5
23.5°	1435.8	1440.5	1446.2	1451.1	1456.9	1459.2	1459.4	1457.1	1452.3	1444.6	1434.8
24°	1426.7	1432.5	1437.6	1443.5	1448.8	1451.4	1451.8	1449.9	1445.0	1436.8	1426.9
24.5°	1417.8	1423.4	1429.5	1435.2	1440.7	1443.9	1444.8	1442.4	1437.3	1428.7	1418.7
25°	1409.2	1414.5	1421.2	1427.0	1432.7	1436.2	1437.3	1434.7	1429.4	1420.4	1410.1
25.5°	1399.8	1405.8	1412.2	1418.3	1424.4	1428.1	1429.1	1426.7	1421.5	1412.4	1402.0
26°	1390.4	1396.6	1403.4	1409.5	1416.3	1419.8	1420.6	1419.2	1413.6	1404.0	1393.2
26.5°	1380.9	1386.9	1394.1	1400.8	1408.3	1412.1	1412.7	1410.9	1405.0	1395.8	1384.5
27°	1370.9	1377.7	1384.9	1392.1	1399.1	1403.4	1404.4	1402.2	1396.9	1387.2	1375.7
27.5°	1361.2	1367.7	1375.6	1383.0	1390.9	1394.7	1395.7	1393.9	1388.4	1378.6	1366.5
28°	1350.8	1358.3	1365.6	1374.2	1381.7	1385.6	1387.0	1385.4	1379.6	1369.8	1357.2
28.5°	1340.7	1348.0	1356.4	1364.9	1372.2	1377.1	1378.5	1377.0	1370.9	1360.7	1348.4
29°	1330.3	1338.0	1346.9	1354.8	1363.6	1368.8	1370.0	1367.9	1362.0	1351.7	1338.8
29.5°	1319.4	1327.0	1336.7	1345.1	1354.2	1358.9	1361.4	1359.0	1352.6	1342.4	1328.9
30°	1309.2	1317.3	1326.7	1335.9	1344.6	1350.7	1351.5	1349.9	1343.2	1332.9	1319.5
30.5°	1298.4	1305.8	1316.5	1326.4	1335.0	1340.9	1342.0	1340.2	1334.8	1323.4	1309.6
31°	1286.6	1296.0	1306.3	1315.9	1325.5	1330.9	1333.3	1331.7	1325.0	1313.4	1299.8
31.5°	1275.4	1285.2	1295.7	1305.4	1316.0	1321.7	1323.6	1321.7	1315.0	1304.3	1289.8
32°	1264.4	1273.9	1284.9	1295.7	1305.4	1311.8	1313.6	1312.3	1306.0	1294.3	1279.6
32.5°	1253.1	1263.2	1274.5	1285.2	1295.2	1302.1	1304.1	1302.8	1295.7	1284.4	1269.5
33°	1241.6	1251.6	1263.8	1274.7	1285.8	1291.8	1294.5	1292.5	1286.1	1274.3	1258.7
33.5°	1230.0	1240.4	1252.5	1264.4	1275.0	1281.9	1283.9	1282.9	1276.1	1263.8	1248.2
34°	1218.4	1229.0	1241.5	1253.5	1263.9	1271.6	1274.0	1273.3	1266.0	1253.6	1237.8
34.5°	1207.0	1217.4	1230.3	1242.4	1253.7	1261.7	1264.0	1262.8	1255.2	1243.6	1228.3
35°	1194.9	1205.3	1218.9	1231.2	1243.4	1250.8	1253.9	1252.3	1245.3	1233.0	1218.0
35.5°	1182.2	1194.1	1207.4	1220.1	1232.5	1239.7	1243.2	1241.9	1234.9	1223.0	1206.5
36°	1170.1	1182.1	1195.9	1209.4	1221.1	1229.6	1232.7	1231.9	1224.6	1211.8	1195.0
36.5°	1157.9	1169.7	1184.4	1198.3	1210.4	1219.1	1222.2	1221.5	1213.5	1200.6	1183.5
37°	1145.7	1158.0	1172.5	1186.0	1199.8	1208.5	1211.4	1210.3	1202.5	1189.4	1172.0
37.5°	1133.6	1145.6	1160.7	1175.1	1188.3	1197.3	1200.4	1199.2	1191.5	1178.3	1160.6
38°	1121.0	1133.8	1149.2	1163.8	1177.3	1185.9	1189.3	1188.2	1180.4	1167.1	1149.3
38.5°	1108.9	1121.0	1137.4	1151.8	1164.9	1174.5	1178.4	1177.1	1169.3	1155.9	1137.5
39°	1096.2	1109.2	1125.0	1139.9	1153.8	1163.1	1167.0	1165.8	1158.0	1144.5	1126.2
39.5°	1084.0	1096.6	1112.8	1128.1	1142.2	1151.7	1155.4	1154.2	1146.4	1133.3	1114.2
40°	1070.9	1083.9	1100.5	1116.2	1130.5	1140.4	1144.2	1142.8	1135.2	1121.5	1102.7
40.5°	1057.8	1071.5	1087.7	1104.7	1118.4	1128.9	1132.6	1131.0	1123.6	1110.1	1091.0
41°	1044.8	1058.5	1075.7	1092.0	1106.9	1116.7	1120.7	1119.7	1112.0	1098.7	1079.2
41.5°	1032.5	1046.1	1063.3	1079.7	1094.6	1105.0	1109.3	1108.0	1100.6	1086.3	1066.7
42°	1019.9	1034.0	1050.9	1067.6	1082.6	1092.9	1096.9	1096.7	1088.4	1073.9	1054.7
42.5°	1007.2	1021.1	1038.5	1055.4	1070.3	1080.9	1085.3	1084.6	1076.8	1062.4	1042.3
43°	994.3	1007.6	1025.7	1043.0	1058.3	1069.8	1073.3	1072.5	1064.6	1050.5	1031.2
43.5°	980.9	995.5	1013.3	1030.7	1046.4	1057.0	1061.3	1060.5	1052.3	1038.3	1018.6



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	942.7	957.0	975.2	993.0	1009.6	1020.4	1024.5	1024.0	1016.2	1001.2	981.3
45.5°	929.3	943.7	962.5	980.5	996.4	1007.4	1012.5	1011.8	1003.3	988.8	968.8
46°	916.2	930.6	949.6	967.6	983.8	995.5	999.7	999.2	990.7	976.6	956.3
46.5°	903.2	918.2	936.3	954.8	970.9	982.5	987.1	986.4	978.3	964.1	943.9
47°	890.5	904.7	923.5	942.4	958.8	970.5	974.9	974.0	965.7	951.4	931.2
47.5°	877.5	892.7	910.7	929.3	946.2	958.0	961.5	961.4	953.3	938.8	918.5
48°	864.6	878.9	897.7	916.5	933.3	945.1	949.1	948.4	940.7	926.3	905.9
48.5°	851.8	866.3	885.5	904.0	919.9	931.8	936.2	935.9	927.9	913.5	892.7
49°	838.7	853.7	872.8	891.0	907.9	919.3	923.6	923.3	915.5	900.6	880.4
49.5°	826.3	840.9	859.8	878.0	894.4	907.0	911.2	910.4	902.4	887.7	867.9
50°	813.6	827.5	846.8	864.7	882.3	893.9	898.4	897.7	889.6	875.3	854.9
50.5°	800.8	815.0	833.8	852.4	869.1	881.1	885.4	884.7	877.0	862.2	841.8
51°	787.8	802.2	821.0	839.8	856.5	867.9	872.2	871.6	863.4	849.2	829.1
51.5°	775.5	790.2	808.1	826.8	843.2	855.5	859.1	858.7	850.8	836.7	816.2
52°	762.9	776.8	795.4	813.5	830.5	841.6	846.5	845.8	837.9	823.2	803.3
52.5°	750.6	764.3	782.6	800.8	817.3	829.0	833.7	834.0	824.8	810.1	790.4
53°	738.1	751.8	769.7	788.1	804.7	815.8	821.4	820.9	811.6	797.3	777.8
53.5°	725.6	739.5	757.2	775.1	791.8	803.2	809.6	806.4	798.7	784.7	764.8
54°	713.1	725.9	744.8	762.1	778.8	789.8	795.6	793.2	785.2	771.4	752.2
54.5°	701.1	714.1	731.8	749.5	765.3	777.2	781.1	780.2	772.3	758.6	739.4
55°	688.4	701.9	719.3	736.7	752.7	763.9	767.9	766.8	759.1	745.5	726.3
55.5°	676.0	689.6	707.0	724.0	739.4	750.9	754.4	753.4	745.7	732.4	713.3
56°	663.8	676.9	694.3	710.9	726.5	737.2	741.3	741.7	732.9	719.2	700.6
56.5°	651.9	664.7	681.6	698.3	713.6	724.1	728.8	728.4	720.0	706.2	687.8
57°	640.2	652.4	668.7	685.7	700.6	711.2	717.2	713.5	707.0	693.3	675.0
57.5°	628.0	640.5	656.3	673.4	687.6	698.3	703.3	700.6	692.9	680.1	662.2
58°	616.0	628.4	644.4	660.6	674.4	685.1	688.0	687.3	679.8	667.1	649.3
58.5°	604.4	616.1	631.6	647.3	661.4	671.6	674.9	674.3	666.5	654.4	636.4
59°	592.8	604.0	619.0	634.4	648.8	658.4	662.0	661.2	653.7	641.0	623.5
59.5°	580.9	592.4	606.9	621.9	636.0	646.2	649.8	647.0	640.1	627.8	611.1
60°	569.6	580.6	594.6	609.7	624.0	633.1	636.1	633.8	627.0	615.0	597.9
60.5°	558.1	568.7	582.7	597.1	611.4	619.3	621.5	620.7	613.2	601.8	585.4
61°	546.6	556.9	570.9	584.7	597.7	605.5	607.9	607.5	600.3	588.6	572.7
61.5°	535.1	545.1	558.7	572.8	584.3	592.8	595.2	593.7	586.6	575.4	559.7
62°	523.6	533.2	546.6	560.1	575.3	581.1	582.8	580.6	573.3	562.7	547.1
62.5°	512.0	521.3	534.3	548.0	561.7	576.8	565.7	566.9	560.3	549.7	534.2
63°	500.6	509.8	522.0	535.1	549.1	560.7	552.6	554.0	547.3	536.6	522.2
63.5°	489.8	498.5	509.9	522.1	534.8	545.3	539.9	540.4	533.5	523.8	509.6
64°	478.9	487.2	498.0	509.4	520.6	529.8	527.0	526.7	520.5	510.9	496.9
64.5°	468.0	475.7	486.4	497.2	507.5	514.3	514.1	513.5	507.3	497.7	484.2
65°	457.1	464.7	475.0	485.2	494.4	500.5	500.9	500.5	494.4	484.8	472.2
65.5°	446.4	453.7	463.2	472.9	481.7	487.1	488.3	487.0	481.0	472.0	459.6
66°	435.5	442.7	451.4	461.1	469.1	475.4	475.2	473.6	468.0	459.2	447.1



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	404.4	409.9	418.0	425.5	432.0	435.6	435.2	434.1	428.7	421.0	410.5
68°	393.8	399.3	406.7	413.6	419.5	423.0	421.9	421.0	415.7	408.1	397.9
68.5°	383.6	388.5	395.1	401.8	407.1	410.1	409.4	407.8	402.4	395.3	386.0
69°	373.3	377.7	384.2	389.9	394.7	397.4	396.2	394.5	389.3	383.0	373.9
69.5°	362.9	367.0	373.1	378.5	382.9	385.0	383.3	381.1	376.6	370.5	362.1
70°	352.6	356.8	362.2	367.1	370.8	371.9	369.9	368.4	363.8	357.9	350.1
70.5°	343.0	346.5	351.5	355.6	358.6	359.2	357.1	355.4	350.6	345.6	338.0
71°	333.3	336.3	340.7	344.3	346.6	346.8	344.0	342.6	338.2	332.9	326.1
71.5°	323.3	326.3	329.9	332.8	334.7	334.2	331.3	329.6	325.3	320.7	314.5
72°	313.4	316.1	319.2	321.7	322.8	321.9	318.7	316.7	312.5	308.3	302.9
72.5°	303.9	305.8	308.6	310.4	311.3	309.7	306.0	303.8	299.8	296.3	291.4
73°	294.2	295.7	298.1	299.4	299.7	297.3	293.3	291.0	287.3	284.1	279.6
73.5°	284.8	285.8	287.8	288.5	288.1	285.3	280.9	278.4	274.9	272.1	268.3
74°	275.6	276.3	277.7	277.9	276.5	273.2	268.3	265.9	262.7	260.1	257.0
74.5°	266.3	266.7	267.5	267.0	265.0	261.3	255.9	253.1	250.3	248.1	246.0
75°	257.0	257.0	257.3	256.0	253.6	249.4	243.7	240.9	238.2	236.5	235.0
75.5°	248.0	247.6	247.3	245.6	242.6	237.6	231.6	228.7	225.9	225.1	224.1
76°	239.0	238.3	237.4	235.2	231.6	226.0	219.5	216.5	214.1	213.6	213.0
76.5°	230.2	228.9	227.6	224.6	220.7	214.5	207.4	204.3	202.3	202.3	202.6
77°	221.3	219.8	218.2	214.9	209.7	203.1	195.9	192.5	190.7	191.1	192.1
77.5°	212.7	210.9	208.6	204.7	199.0	191.8	184.1	180.8	179.0	180.3	181.9
78°	204.2	202.1	199.2	194.7	188.5	180.8	172.8	169.2	167.8	169.2	171.2
78.5°	195.9	193.3	190.1	185.1	178.3	169.9	161.6	157.8	156.6	158.6	161.6
79°	187.7	184.9	181.0	175.5	168.2	159.3	150.6	147.1	146.1	148.8	152.3
79.5°	179.6	176.3	172.1	165.8	158.3	148.8	139.5	136.3	135.6	138.9	143.0
80°	171.6	168.1	163.4	156.7	148.3	138.3	129.0	125.6	125.1	129.0	133.8
80.5°	163.8	160.0	154.9	147.3	138.7	128.4	118.7	114.8	114.6	119.1	124.5
81°	156.3	152.1	146.5	138.7	129.4	118.6	108.6	104.5	104.7	109.3	115.3
81.5°	148.8	144.3	138.3	130.0	120.4	109.1	98.7	94.1	95.1	100.0	106.5
82°	141.4	136.6	130.4	121.9	111.3	99.8	89.2	84.5	85.5	91.0	98.1
82.5°	134.1	129.3	122.7	113.5	102.8	90.8	80.1	75.5	76.5	82.4	90.1
83°	127.3	122.1	115.2	105.8	94.5	82.1	71.2	66.5	67.9	74.3	82.3
83.5°	120.5	115.2	107.9	98.1	86.5	74.0	62.8	58.1	59.9	66.3	74.8
84°	113.9	108.5	100.9	90.7	78.8	66.0	54.8	50.0	51.9	58.7	67.8
84.5°	107.7	101.9	94.0	83.4	71.4	58.4	48.0	42.4	44.4	51.6	61.0
85°	101.4	95.5	87.3	76.9	64.5	52.3	41.2	35.2	37.4	45.0	54.7
85.5°	95.3	89.3	81.0	70.4	58.0	46.1	34.5	28.6	31.0	38.9	48.8
86°	89.5	83.5	75.1	64.3	52.6	40.0	27.7	23.8	25.1	33.3	43.3
86.5°	84.1	77.9	69.3	58.5	47.2	33.9	21.9	18.9	21.2	28.0	38.2
87°	78.6	72.4	63.7	53.8	41.9	27.8	16.9	14.1	17.3	23.5	33.4
87.5°	73.4	67.1	58.7	49.0	36.6	23.1	12.6	9.3	13.4	20.6	29.1
88°	68.5	62.2	54.2	44.3	31.3	19.0	9.0	4.5	9.5	17.6	25.3
88.5°	63.8	57.3	50.0	39.5	27.1	15.5	6.3	2.0	5.8	14.6	21.9



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	51.7	45.6	37.4	27.6	17.2	8.0	2.8	0.6	2.4	7.3	15.4
90.5°	48.1	41.8	33.9	24.5	14.8	6.5	1.7	0.5	2.1	6.3	13.6
91°	44.4	38.3	30.7	21.7	12.7	5.7	1.3	0.3	1.8	5.5	11.8
91.5°	40.9	35.2	27.8	19.2	10.9	5.0	1.0	0.2	1.6	5.0	10.0
92°	37.7	32.2	25.0	17.1	9.6	4.3	0.8	0.3	1.5	4.6	9.1
92.5°	34.8	29.4	22.7	15.2	8.4	3.6	0.7	0.3	1.4	4.3	8.5
93°	32.1	27.0	20.6	13.6	7.5	3.2	0.6	0.4	1.2	4.0	7.9
93.5°	29.6	24.8	18.7	12.3	6.8	2.9	0.5	0.4	1.1	3.8	7.6
94°	27.3	22.7	17.0	11.2	6.3	2.6	0.5	0.5	1.1	3.7	7.2
94.5°	25.2	20.8	15.5	10.2	6.0	2.4	0.5	0.6	1.1	3.7	6.9
95°	23.3	19.2	14.3	9.5	5.6	2.2	0.6	0.6	1.1	3.6	6.6
95.5°	21.6	17.7	13.2	8.9	5.2	2.1	0.7	0.7	1.1	3.6	6.4
96°	20.0	16.4	12.3	8.5	4.9	1.9	0.8	0.8	1.1	3.5	6.3
96.5°	18.6	15.3	11.6	8.0	4.6	1.8	0.8	0.9	1.1	3.3	6.2
97°	17.4	14.4	11.0	7.6	4.3	1.7	0.9	1.0	1.1	3.2	6.1
97.5°	16.4	13.6	10.5	7.3	4.1	1.6	1.0	1.0	1.1	3.1	6.0
98°	15.5	12.9	10.0	6.9	3.9	1.5	1.1	1.1	1.1	3.0	5.9
98.5°	14.7	12.4	9.6	6.6	3.6	1.5	1.2	1.3	1.2	2.9	5.8
99°	14.0	11.9	9.2	6.3	3.5	1.4	1.2	1.4	1.3	2.9	5.7
99.5°	13.5	11.4	8.8	6.0	3.3	1.4	1.3	1.5	1.4	2.9	5.6
100°	13.0	11.0	8.4	5.7	3.1	1.4	1.4	1.7	1.5	2.9	5.4
100.5°	12.5	10.5	8.1	5.4	2.9	1.4	1.5	1.8	1.6	2.9	5.3
101°	12.1	10.1	7.7	5.1	2.8	1.4	1.6	1.9	1.7	2.8	5.2
101.5°	11.6	9.7	7.4	4.8	2.6	1.4	1.6	2.0	1.8	2.7	5.1
102°	11.2	9.3	7.1	4.5	2.4	1.4	1.7	2.1	1.8	2.7	5.0
102.5°	10.7	9.0	6.8	4.3	2.3	1.4	1.8	2.1	1.9	2.6	4.9
103°	10.3	8.6	6.5	4.2	2.2	1.4	1.9	2.2	2.0	2.5	4.8
103.5°	9.9	8.3	6.2	4.0	2.1	1.5	2.0	2.2	2.1	2.4	4.7
104°	9.6	7.9	5.9	3.8	2.0	1.7	2.0	2.3	2.2	2.3	4.5
104.5°	9.2	7.6	5.7	3.6	2.0	1.8	2.1	2.3	2.2	2.3	4.4
105°	8.9	7.3	5.4	3.4	2.0	1.9	2.3	2.4	2.3	2.3	4.3
105.5°	8.5	7.0	5.2	3.2	2.0	1.9	2.7	2.5	2.4	2.3	4.2
106°	8.2	6.7	5.0	3.1	2.0	1.9	3.0	2.6	2.5	2.3	4.0
106.5°	7.8	6.5	4.7	3.0	1.9	2.0	3.3	2.7	2.7	2.2	3.9
107°	7.5	6.2	4.5	2.8	1.9	2.0	3.5	2.7	3.0	2.2	3.7
107.5°	7.2	5.9	4.3	2.7	1.9	2.1	3.6	2.8	3.2	2.1	3.6
108°	6.9	5.7	4.1	2.6	1.9	2.1	3.6	2.8	3.2	2.2	3.5
108.5°	6.7	5.4	3.9	2.5	2.0	2.2	3.5	2.8	3.1	2.2	3.4
109°	6.4	5.1	3.7	2.5	2.1	2.2	3.4	2.9	3.1	2.3	3.3
109.5°	6.1	4.9	3.6	2.4	2.1	2.3	3.4	2.9	3.2	2.4	3.2
110°	5.9	4.7	3.4	2.3	2.2	2.4	3.3	3.0	3.3	2.4	3.2
110.5°	5.6	4.5	3.3	2.2	2.2	2.5	3.3	3.0	3.3	2.5	3.1
111°	5.4	4.3	3.1	2.2	2.2	2.6	3.3	3.0	3.4	2.6	3.1



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	4.7	3.8	2.8	2.2	2.3	3.0	3.4	3.1	3.7	2.7	3.0
113°	4.5	3.6	2.7	2.2	2.3	3.1	3.5	3.2	3.8	2.8	2.9
113.5°	4.4	3.5	2.7	2.2	2.4	3.3	3.5	3.2	3.8	2.8	2.8
114°	4.2	3.4	2.6	2.2	2.5	3.5	3.6	3.2	3.9	2.9	2.7
114.5°	4.0	3.3	2.6	2.2	2.6	3.6	3.6	3.2	3.9	2.9	2.6
115°	3.9	3.2	2.6	2.3	2.7	3.7	3.7	3.2	3.9	3.0	2.5
115.5°	3.7	3.1	2.6	2.4	2.8	3.9	3.7	3.2	4.0	3.0	2.5
116°	3.6	3.1	2.5	2.4	2.9	4.1	3.7	3.2	4.0	3.1	2.5
116.5°	3.5	3.0	2.5	2.5	3.0	4.2	3.8	3.2	4.0	3.2	2.6
117°	3.4	2.9	2.5	2.6	3.1	4.2	3.8	3.3	4.1	3.2	2.6
117.5°	3.3	2.9	2.5	2.7	3.2	4.2	3.9	3.3	4.1	3.3	2.7
118°	3.2	2.8	2.5	2.7	3.3	4.3	3.9	3.3	4.2	3.4	2.8
118.5°	3.1	2.8	2.5	2.8	3.3	4.4	4.0	3.3	4.2	3.4	2.8
119°	3.0	2.7	2.5	2.9	3.4	4.6	4.0	3.3	4.2	3.5	2.8
119.5°	3.0	2.7	2.5	3.0	3.5	4.8	4.1	3.3	4.3	3.6	2.9
120°	2.9	2.6	2.6	3.1	3.6	4.8	4.1	3.3	4.3	3.7	3.0
120.5°	2.8	2.6	2.6	3.1	3.6	4.9	4.1	3.3	4.3	3.9	3.1
121°	2.8	2.5	2.7	3.2	3.7	5.0	4.1	3.3	4.3	3.9	3.1
121.5°	2.7	2.5	2.7	3.2	3.8	5.1	4.1	3.3	4.3	3.9	3.2
122°	2.7	2.5	2.8	3.3	3.9	5.1	4.1	3.3	4.4	3.9	3.2
122.5°	2.6	2.5	2.9	3.3	4.0	5.0	4.1	3.3	4.4	3.9	3.3
123°	2.6	2.6	2.9	3.4	4.1	4.9	4.1	3.3	4.4	3.9	3.3
123.5°	2.5	2.6	3.0	3.5	4.2	4.9	4.0	3.3	4.4	4.0	3.4
124°	2.5	2.6	3.1	3.5	4.3	4.8	4.0	3.3	4.4	4.0	3.4
124.5°	2.5	2.7	3.1	3.6	4.4	4.7	4.0	3.3	4.4	4.1	3.5
125°	2.5	2.7	3.2	3.7	4.5	4.6	3.9	3.3	4.4	4.1	3.5
125.5°	2.5	2.8	3.2	3.7	4.7	4.6	3.9	3.3	4.4	4.1	3.6
126°	2.6	2.8	3.3	3.8	4.8	4.6	3.9	3.3	4.4	4.2	3.6
126.5°	2.6	2.9	3.3	3.9	4.9	4.5	3.8	3.3	4.4	4.2	3.7
127°	2.6	2.9	3.4	3.9	5.0	4.4	3.8	3.3	4.4	4.3	3.7
127.5°	2.7	3.0	3.5	4.0	5.0	4.4	3.8	3.4	4.4	4.3	3.7
128°	2.7	3.0	3.5	4.1	5.0	4.4	3.8	3.4	4.4	4.3	3.8
128.5°	2.8	3.1	3.6	4.2	5.1	4.4	3.8	3.3	4.4	4.3	3.9
129°	2.8	3.1	3.6	4.3	5.2	4.4	3.8	3.3	4.4	4.3	4.0
129.5°	2.9	3.2	3.7	4.4	5.3	4.4	3.8	3.3	4.4	4.3	4.1
130°	2.9	3.2	3.7	4.5	5.3	4.4	3.8	3.4	4.4	4.4	4.2
130.5°	3.0	3.3	3.8	4.5	5.3	4.4	3.8	3.4	4.4	4.4	4.2
131°	3.0	3.3	3.9	4.6	5.4	4.4	3.7	3.4	4.4	4.5	4.2
131.5°	3.1	3.4	3.9	4.7	5.4	4.4	3.7	3.4	4.4	4.5	4.2
132°	3.1	3.5	4.0	4.8	5.5	4.3	3.7	3.4	4.4	4.5	4.2
132.5°	3.1	3.5	4.1	4.9	5.4	4.3	3.7	3.4	4.4	4.5	4.2
133°	3.2	3.6	4.1	5.0	5.4	4.3	3.7	3.4	4.4	4.5	4.2
133.5°	3.2	3.6	4.2	5.1	5.4	4.2	3.7	3.4	4.4	4.5	4.2



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	3.4	3.8	4.5	5.4	5.2	4.2	3.7	3.5	4.3	4.6	4.2
135.5°	3.5	3.9	4.5	5.4	5.2	4.2	3.7	3.5	4.4	4.6	4.2
136°	3.5	4.0	4.6	5.5	5.2	4.2	3.8	3.5	4.4	4.6	4.2
136.5°	3.6	4.0	4.7	5.5	5.1	4.2	3.8	3.5	4.3	4.6	4.2
137°	3.6	4.1	4.7	5.5	5.0	4.2	3.8	3.5	4.3	4.6	4.2
137.5°	3.7	4.2	4.8	5.6	5.0	4.2	3.8	3.5	4.3	4.6	4.3
138°	3.8	4.2	4.9	5.6	4.9	4.2	3.8	3.5	4.2	4.5	4.3
138.5°	3.8	4.3	5.0	5.6	4.8	4.2	3.8	3.5	4.1	4.5	4.3
139°	3.9	4.4	5.1	5.6	4.8	4.2	3.9	3.5	4.0	4.5	4.3
139.5°	3.9	4.4	5.2	5.6	4.7	4.2	3.9	3.5	4.1	4.5	4.3
140°	4.0	4.5	5.3	5.6	4.6	4.2	3.9	3.5	4.1	4.5	4.3
140.5°	4.1	4.5	5.3	5.6	4.6	4.2	3.9	3.4	4.1	4.6	4.3
141°	4.1	4.6	5.4	5.5	4.5	4.2	3.8	3.4	4.1	4.6	4.3
141.5°	4.2	4.7	5.4	5.4	4.4	4.2	3.9	3.4	4.1	4.7	4.3
142°	4.3	4.8	5.4	5.3	4.4	4.2	3.9	3.4	4.1	4.7	4.3
142.5°	4.3	4.9	5.5	5.2	4.3	4.2	3.9	3.3	4.1	4.7	4.2
143°	4.4	5.1	5.5	5.2	4.3	4.2	3.8	3.2	4.1	4.6	4.2
143.5°	4.5	5.2	5.5	5.1	4.3	4.2	3.8	3.3	4.1	4.5	4.2
144°	4.6	5.2	5.5	5.0	4.2	4.2	3.8	3.3	4.1	4.5	4.3
144.5°	4.7	5.2	5.4	4.9	4.2	4.2	3.9	3.4	4.0	4.6	4.3
145°	4.8	5.2	5.4	4.8	4.2	4.1	3.9	3.4	4.0	4.7	4.3
145.5°	5.0	5.2	5.3	4.7	4.1	4.2	3.9	3.3	3.9	4.7	4.3
146°	5.0	5.2	5.2	4.6	4.1	4.2	3.9	3.3	3.9	4.7	4.3
146.5°	5.0	5.2	5.1	4.5	4.1	4.2	3.9	3.3	3.9	4.7	4.3
147°	5.0	5.2	5.1	4.4	4.1	4.2	3.8	3.3	3.8	4.7	4.4
147.5°	5.0	5.1	5.0	4.3	4.0	4.1	3.7	3.3	3.9	4.6	4.4
148°	5.0	5.1	4.9	4.3	4.0	4.0	3.7	3.4	3.9	4.6	4.5
148.5°	5.0	5.1	4.8	4.2	4.0	3.9	3.7	3.4	3.8	4.6	4.5
149°	4.9	5.0	4.7	4.1	4.0	4.0	3.8	3.4	3.8	4.6	4.5
149.5°	4.9	4.9	4.6	4.1	3.9	4.0	3.8	3.3	3.8	4.5	4.5
150°	4.9	4.8	4.5	4.0	3.9	4.0	3.7	3.4	3.8	4.5	4.5
150.5°	4.9	4.7	4.4	4.0	3.9	3.9	3.7	3.4	3.8	4.5	4.5
151°	4.8	4.7	4.3	3.9	3.8	3.9	3.7	3.4	3.7	4.5	4.4
151.5°	4.8	4.6	4.2	3.9	3.8	3.9	3.7	3.4	3.7	4.4	4.4
152°	4.7	4.5	4.1	3.8	3.9	3.9	3.6	3.4	3.7	4.3	4.5
152.5°	4.6	4.4	4.0	3.8	3.9	3.9	3.6	3.4	3.5	4.3	4.6
153°	4.5	4.3	3.9	3.8	3.9	3.9	3.6	3.3	3.3	4.2	4.6
153.5°	4.4	4.2	3.9	3.7	3.9	3.9	3.6	3.2	3.2	4.2	4.6
154°	4.3	4.1	3.8	3.7	3.9	3.9	3.6	3.2	3.2	4.1	4.5
154.5°	4.2	4.0	3.7	3.7	3.9	3.8	3.6	3.2	3.2	3.9	4.5
155°	4.1	3.9	3.7	3.7	3.8	3.7	3.5	3.1	3.1	3.7	4.3
155.5°	4.0	3.8	3.6	3.7	3.7	3.6	3.5	3.0	3.0	3.6	4.1
156°	3.9	3.7	3.6	3.7	3.7	3.5	3.4	2.9	3.0	3.5	3.9



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	3.7	3.6	3.5	3.6	3.6	3.5	2.9	2.9	3.0	3.4	3.9
158°	3.6	3.5	3.5	3.7	3.7	3.5	2.8	2.9	3.0	3.3	3.9
158.5°	3.6	3.5	3.5	3.7	3.7	3.4	2.8	2.9	3.0	3.3	3.8
159°	3.5	3.5	3.5	3.6	3.6	3.4	2.8	2.9	2.9	3.3	3.7
159.5°	3.5	3.4	3.5	3.6	3.6	3.3	2.8	2.9	2.9	3.2	3.6
160°	3.4	3.4	3.5	3.5	3.5	3.4	2.8	2.8	2.9	3.2	3.6
160.5°	3.4	3.5	3.5	3.5	3.5	3.4	2.8	2.8	2.9	3.2	3.5
161°	3.4	3.5	3.5	3.5	3.6	3.3	2.8	2.8	2.9	3.1	3.5
161.5°	3.4	3.5	3.6	3.6	3.6	3.1	2.8	2.8	2.9	3.1	3.4
162°	3.4	3.5	3.6	3.7	3.5	2.9	2.8	2.8	2.9	3.1	3.4
162.5°	3.4	3.5	3.6	3.7	3.4	2.8	2.8	2.8	2.9	3.0	3.4
163°	3.4	3.5	3.6	3.7	3.4	2.8	2.8	2.8	2.9	3.0	3.3
163.5°	3.4	3.5	3.6	3.6	3.1	2.8	2.8	2.8	2.9	3.0	3.3
164°	3.5	3.5	3.6	3.5	2.9	2.8	2.8	2.7	2.9	3.0	3.2
164.5°	3.5	3.6	3.7	3.5	2.9	2.7	2.8	2.7	2.9	3.0	3.2
165°	3.5	3.6	3.7	3.5	2.9	2.7	2.8	2.7	2.9	2.9	3.2
165.5°	3.5	3.6	3.7	3.4	2.8	2.7	2.8	2.7	2.9	2.9	3.2
166°	3.6	3.6	3.6	3.4	2.8	2.7	2.8	2.7	2.8	2.9	3.1
166.5°	3.6	3.6	3.6	3.4	2.8	2.7	2.8	2.7	2.8	2.9	3.1
167°	3.6	3.6	3.6	3.3	2.8	2.7	2.8	2.8	2.8	2.9	3.1
167.5°	3.6	3.7	3.6	3.0	2.8	2.8	2.8	2.8	2.8	2.9	3.1
168°	3.6	3.7	3.5	2.9	2.8	2.8	2.8	2.8	2.8	2.9	3.1
168.5°	3.7	3.7	3.4	2.9	2.8	2.8	2.8	2.8	2.8	2.9	3.0
169°	3.7	3.6	3.3	2.9	2.8	2.8	2.8	2.8	2.8	2.9	3.0
169.5°	3.7	3.6	3.3	2.8	2.8	2.8	2.9	2.8	2.8	2.9	3.0
170°	3.6	3.6	3.3	2.8	2.8	2.9	3.0	3.0	2.8	3.0	3.2
170.5°	3.6	3.5	3.0	2.8	2.8	3.0	3.1	3.1	2.8	3.2	3.4
171°	3.6	3.4	2.8	2.8	2.8	3.0	3.2	3.2	2.9	3.4	3.4
171.5°	3.6	3.3	2.8	2.7	2.8	3.1	3.3	3.2	3.2	3.4	3.4
172°	3.5	3.2	2.8	2.7	2.9	3.3	3.3	3.2	3.2	3.3	3.4
172.5°	3.4	3.1	2.8	2.7	3.0	3.3	3.3	3.2	3.2	3.3	3.4
173°	3.4	3.1	2.8	2.7	3.0	3.3	3.3	3.2	3.2	3.3	3.4
173.5°	3.3	3.0	2.8	2.8	3.0	3.2	3.3	3.2	3.2	3.3	3.4
174°	3.2	2.8	2.7	2.8	3.0	3.2	3.2	3.2	3.2	3.2	3.4
174.5°	3.1	2.7	2.7	2.8	3.2	3.3	3.3	3.2	3.2	3.2	3.3
175°	3.1	2.8	2.7	2.8	3.2	3.3	3.2	3.2	3.2	3.2	3.3
175.5°	3.1	2.8	2.7	2.9	3.2	3.3	3.3	3.2	3.2	3.2	3.2
176°	3.0	2.8	2.8	2.9	3.1	3.3	3.3	3.2	3.2	3.2	3.2
176.5°	3.1	2.9	2.8	2.9	3.1	3.2	3.2	3.2	3.2	3.2	3.2
177°	3.1	2.9	2.8	2.9	3.2	3.3	3.2	3.2	3.2	3.2	3.2
177.5°	3.0	2.8	2.8	2.9	3.1	3.2	3.2	3.1	3.1	3.1	3.1
178°	2.8	2.6	2.6	2.7	2.9	3.1	3.1	3.1	3.1	3.1	3.1
178.5°	2.8	2.6	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.1	3.1



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8	1635.8
0.5°	1635.2	1635.3	1635.3	1635.3	1635.3	1635.3	1635.4	1635.4	1635.5	1635.5	1635.5
1°	1634.8	1634.8	1634.5	1634.2	1633.8	1633.6	1633.8	1634.1	1634.5	1634.9	1635.1
1.5°	1633.9	1633.9	1633.9	1633.7	1633.6	1633.5	1633.7	1633.9	1634.2	1634.3	1634.5
2°	1632.5	1632.5	1632.3	1632.0	1631.8	1631.7	1631.9	1632.3	1632.8	1633.2	1633.3
2.5°	1631.5	1631.4	1630.7	1630.0	1630.1	1630.3	1630.3	1630.5	1631.0	1631.8	1632.2
3°	1630.0	1629.7	1628.9	1628.6	1628.8	1629.1	1629.0	1628.9	1629.4	1630.1	1630.4
3.5°	1627.4	1627.3	1627.1	1626.5	1626.7	1627.2	1627.5	1627.7	1628.2	1628.7	1629.3
4°	1626.1	1626.0	1625.3	1624.7	1625.0	1625.5	1625.8	1625.9	1626.0	1626.6	1627.2
4.5°	1623.6	1623.2	1623.1	1623.1	1623.0	1622.8	1623.0	1623.4	1623.7	1624.7	1626.0
5°	1621.6	1621.4	1620.5	1620.1	1619.6	1619.4	1620.0	1620.9	1621.9	1623.2	1624.6
5.5°	1619.6	1618.8	1618.2	1617.6	1617.3	1617.6	1617.6	1618.3	1619.6	1621.2	1622.7
6°	1616.6	1615.9	1615.5	1615.0	1614.8	1614.5	1614.5	1615.1	1616.6	1617.8	1619.8
6.5°	1613.7	1612.6	1612.1	1611.7	1611.4	1611.7	1611.7	1612.6	1613.9	1615.4	1617.6
7°	1611.4	1610.3	1608.9	1608.1	1608.4	1608.7	1609.0	1609.8	1611.4	1612.5	1615.5
7.5°	1608.7	1607.5	1605.6	1605.1	1604.5	1603.9	1604.7	1606.1	1607.7	1609.6	1612.3
8°	1604.9	1604.0	1602.4	1601.3	1600.7	1600.8	1601.3	1602.6	1604.2	1606.0	1609.1
8.5°	1601.4	1599.6	1598.7	1597.7	1596.8	1597.1	1597.4	1598.9	1600.9	1602.8	1605.9
9°	1597.3	1595.8	1594.7	1593.4	1593.1	1593.1	1593.1	1594.5	1597.1	1599.9	1603.4
9.5°	1594.1	1592.3	1590.1	1589.2	1588.8	1588.5	1588.8	1590.5	1593.0	1596.0	1599.8
10°	1591.3	1588.3	1586.2	1584.8	1584.4	1584.3	1584.2	1586.0	1589.0	1592.2	1595.8
10.5°	1586.6	1584.2	1581.6	1579.9	1579.3	1578.5	1579.7	1581.9	1584.6	1588.2	1592.6
11°	1582.1	1579.5	1576.9	1575.4	1574.6	1574.4	1574.8	1576.7	1580.1	1583.5	1588.3
11.5°	1577.4	1574.6	1572.0	1570.2	1569.5	1568.8	1569.9	1571.8	1575.3	1579.9	1583.5
12°	1573.5	1569.7	1566.8	1565.2	1564.0	1563.7	1565.0	1567.4	1570.7	1575.6	1580.3
12.5°	1569.1	1565.0	1562.0	1560.1	1559.0	1557.8	1559.5	1561.9	1565.5	1570.3	1576.2
13°	1564.2	1559.6	1556.5	1554.2	1552.4	1551.9	1553.9	1556.3	1559.8	1565.3	1570.9
13.5°	1558.4	1554.0	1550.7	1548.1	1546.3	1546.2	1547.9	1550.2	1554.4	1559.7	1566.3
14°	1553.6	1548.7	1545.0	1542.3	1540.3	1540.9	1541.5	1544.4	1549.2	1555.3	1560.6
14.5°	1548.1	1542.6	1539.3	1536.5	1533.7	1534.1	1535.9	1538.4	1543.2	1549.7	1555.8
15°	1542.4	1537.0	1533.4	1529.9	1528.0	1527.6	1529.1	1532.5	1536.9	1543.5	1550.3
15.5°	1537.1	1531.3	1526.6	1523.0	1521.6	1520.7	1522.4	1525.8	1531.0	1537.6	1544.8
16°	1531.3	1525.2	1520.0	1516.1	1513.7	1513.6	1515.2	1519.0	1524.3	1531.2	1538.7
16.5°	1525.0	1518.8	1513.5	1509.3	1507.1	1507.3	1508.7	1512.1	1518.0	1525.0	1532.6
17°	1518.9	1512.3	1507.0	1502.7	1500.4	1499.9	1501.5	1505.1	1511.2	1519.2	1526.7
17.5°	1512.4	1505.6	1500.1	1495.6	1493.0	1492.2	1494.5	1497.8	1504.0	1512.4	1521.1
18°	1505.7	1498.5	1492.8	1487.9	1485.1	1484.2	1485.9	1491.0	1497.3	1505.5	1514.7
18.5°	1498.9	1491.7	1485.1	1479.8	1477.4	1477.0	1478.7	1483.6	1490.6	1498.7	1508.0
19°	1492.6	1484.1	1477.3	1472.0	1470.2	1468.4	1470.2	1475.3	1482.3	1491.4	1500.5
19.5°	1484.8	1476.5	1469.6	1464.1	1461.9	1460.4	1462.6	1467.2	1474.5	1484.5	1494.1
20°	1478.0	1469.5	1462.0	1456.1	1452.9	1452.3	1454.9	1459.5	1467.2	1477.1	1488.0
20.5°	1470.8	1461.7	1454.1	1447.7	1444.0	1443.6	1446.3	1451.8	1459.5	1469.7	1481.0
21°	1463.0	1454.0	1445.9	1439.1	1435.2	1435.0	1437.6	1443.1	1451.5	1462.3	1473.2



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1439.6	1429.0	1420.1	1413.3	1408.3	1407.6	1409.9	1415.8	1425.5	1438.2	1450.2
23°	1431.9	1420.6	1411.6	1404.0	1399.2	1399.0	1400.8	1407.2	1417.2	1429.9	1442.9
23.5°	1423.3	1411.5	1402.2	1394.6	1390.5	1388.7	1391.2	1397.7	1408.3	1421.0	1434.6
24°	1415.1	1403.0	1392.9	1384.4	1380.4	1378.6	1380.9	1388.6	1398.9	1412.1	1425.9
24.5°	1406.5	1394.3	1383.3	1374.6	1370.6	1368.3	1371.8	1379.9	1390.3	1403.4	1417.8
25°	1398.9	1385.3	1374.7	1365.5	1361.1	1358.5	1362.0	1370.2	1381.1	1394.6	1409.0
25.5°	1389.0	1375.8	1365.1	1355.6	1350.3	1348.5	1351.7	1359.7	1371.0	1385.3	1400.7
26°	1379.9	1366.3	1354.7	1345.7	1340.5	1338.1	1341.7	1349.7	1362.0	1376.5	1392.2
26.5°	1370.9	1357.0	1344.6	1335.4	1330.3	1327.8	1330.7	1339.6	1352.0	1367.2	1382.9
27°	1362.3	1348.0	1334.9	1324.6	1319.2	1317.7	1320.5	1329.1	1342.1	1357.3	1373.7
27.5°	1352.7	1337.3	1324.7	1313.9	1307.9	1307.2	1310.1	1318.5	1331.7	1348.2	1364.2
28°	1342.7	1327.6	1314.6	1303.4	1297.7	1296.0	1299.7	1309.0	1322.1	1338.2	1355.4
28.5°	1333.5	1318.2	1304.4	1293.5	1287.0	1284.9	1288.3	1297.9	1311.8	1328.0	1345.1
29°	1323.8	1307.6	1293.7	1282.1	1275.6	1274.6	1278.1	1286.5	1300.5	1317.7	1335.6
29.5°	1313.9	1297.0	1283.0	1271.1	1264.7	1262.7	1265.6	1275.7	1290.2	1308.1	1326.5
30°	1303.9	1286.5	1272.2	1260.2	1253.1	1251.3	1255.3	1265.1	1279.7	1298.1	1316.5
30.5°	1293.5	1276.4	1261.3	1248.9	1242.4	1239.9	1243.7	1253.7	1268.6	1287.2	1306.2
31°	1283.4	1265.7	1250.4	1237.9	1230.9	1228.4	1232.7	1242.8	1257.8	1276.5	1296.5
31.5°	1272.8	1255.0	1239.4	1226.4	1219.0	1216.5	1221.0	1231.7	1247.1	1266.3	1286.0
32°	1262.2	1244.4	1228.4	1214.6	1207.1	1204.7	1209.1	1219.9	1236.4	1255.6	1275.8
32.5°	1252.3	1233.6	1217.0	1202.6	1195.3	1192.8	1197.3	1208.1	1225.1	1245.1	1265.3
33°	1241.3	1222.2	1205.6	1190.7	1183.4	1180.9	1185.5	1196.3	1213.4	1234.3	1255.1
33.5°	1230.0	1210.7	1194.1	1178.7	1171.4	1169.0	1173.8	1184.5	1201.8	1223.2	1244.4
34°	1220.7	1199.4	1182.8	1167.4	1158.8	1156.9	1161.0	1172.6	1190.2	1211.9	1233.7
34.5°	1209.2	1188.2	1171.2	1156.1	1147.0	1144.3	1149.1	1161.2	1178.7	1200.7	1223.4
35°	1197.7	1176.6	1158.5	1143.9	1135.0	1132.0	1137.1	1149.4	1167.1	1189.4	1212.3
35.5°	1186.4	1165.1	1146.8	1132.0	1122.8	1119.9	1124.9	1137.5	1155.1	1178.0	1201.3
36°	1175.0	1153.8	1135.2	1119.2	1110.0	1107.4	1112.3	1124.2	1143.1	1166.7	1190.2
36.5°	1163.4	1141.8	1122.4	1106.9	1097.2	1095.1	1099.9	1112.5	1131.0	1154.4	1179.1
37°	1151.8	1129.4	1110.5	1094.8	1084.6	1081.9	1087.1	1100.5	1119.0	1142.5	1167.6
37.5°	1140.2	1117.5	1098.3	1082.5	1073.0	1069.5	1074.8	1087.7	1106.5	1130.5	1156.0
38°	1128.1	1105.3	1085.8	1069.3	1059.6	1057.5	1061.9	1075.5	1094.8	1118.8	1143.7
38.5°	1116.3	1093.5	1073.5	1057.1	1047.2	1043.9	1049.6	1062.9	1082.5	1107.0	1132.2
39°	1104.6	1081.6	1060.9	1044.4	1034.7	1031.7	1037.3	1050.7	1070.2	1095.0	1120.6
39.5°	1092.4	1069.6	1048.9	1031.8	1022.3	1018.8	1023.9	1037.7	1057.6	1082.7	1108.9
40°	1080.8	1057.1	1036.4	1019.5	1009.1	1006.1	1011.6	1025.2	1045.1	1070.5	1096.9
40.5°	1068.8	1044.7	1023.9	1006.7	996.2	993.3	998.2	1012.1	1033.3	1058.3	1085.3
41°	1056.7	1032.3	1011.3	993.6	983.5	980.4	986.2	1000.0	1020.4	1046.2	1073.0
41.5°	1044.3	1020.1	998.8	981.3	970.8	967.9	972.9	987.3	1008.1	1033.9	1060.9
42°	1031.9	1007.4	985.9	968.6	957.5	954.7	960.5	974.2	995.4	1021.2	1049.4
42.5°	1020.1	995.4	973.3	955.8	944.9	942.1	947.5	961.8	983.2	1008.6	1036.5
43°	1008.0	982.5	961.0	943.0	931.7	929.5	935.1	949.2	970.5	996.6	1024.6
43.5°	995.4	970.2	948.1	929.9	919.5	916.3	921.9	936.0	957.2	984.3	1012.2



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	957.8	931.8	909.6	891.8	881.3	877.7	883.1	897.9	919.0	946.5	975.2
45.5°	945.3	919.5	897.6	878.9	868.3	865.1	870.9	885.4	906.5	933.8	962.5
46°	932.8	907.1	884.4	866.5	855.4	852.9	858.3	872.9	894.4	921.2	950.2
46.5°	920.0	894.3	871.9	853.7	842.8	840.0	845.4	860.4	881.9	908.6	937.4
47°	907.7	881.4	859.1	841.0	829.8	827.1	832.9	847.3	868.9	895.9	925.3
47.5°	894.7	868.8	846.7	828.4	817.4	814.8	820.3	834.7	856.2	883.3	912.4
48°	881.7	856.5	833.4	815.6	805.0	801.8	807.2	821.8	843.5	870.4	899.6
48.5°	869.0	843.6	821.2	803.3	792.6	789.3	795.1	809.3	830.8	857.9	886.6
49°	856.6	830.8	808.5	790.9	779.7	776.7	782.8	797.1	818.8	845.7	874.0
49.5°	844.5	818.2	796.3	778.5	767.1	764.9	770.2	784.7	805.7	832.9	861.8
50°	830.7	805.6	783.3	765.7	754.7	752.1	758.2	771.9	793.7	820.0	849.3
50.5°	818.7	792.9	770.2	753.1	742.8	740.0	745.0	759.2	780.8	807.3	836.4
51°	805.7	780.0	758.4	741.0	730.2	728.2	733.2	747.1	768.0	794.7	824.0
51.5°	792.8	767.5	746.1	728.8	718.0	715.7	721.2	735.3	755.9	782.3	811.0
52°	779.8	755.4	733.8	716.7	705.9	703.4	709.0	723.2	743.7	770.4	798.5
52.5°	767.3	742.8	721.4	704.3	694.1	692.0	696.8	710.9	731.6	757.7	785.8
53°	754.7	730.3	708.7	692.0	681.9	680.0	684.9	698.7	719.1	745.0	773.2
53.5°	742.1	717.8	696.3	680.0	669.8	667.7	673.4	686.4	707.0	732.7	761.2
54°	729.5	705.5	684.0	668.0	658.0	655.2	660.8	674.1	694.5	720.1	748.4
54.5°	716.9	692.7	671.9	655.9	646.0	644.0	649.4	662.2	682.5	707.6	735.3
55°	704.1	680.0	659.8	644.1	634.1	632.1	637.3	650.5	670.3	695.6	722.8
55.5°	691.9	667.9	647.7	632.1	623.0	620.8	626.0	638.6	658.1	683.2	709.9
56°	679.0	655.5	635.5	620.4	611.1	609.2	614.3	626.6	645.9	670.9	697.7
56.5°	666.3	643.0	623.9	608.8	599.2	597.3	602.8	615.2	634.3	658.6	685.0
57°	653.9	631.0	611.6	597.0	587.9	586.3	591.3	603.8	622.2	646.1	672.5
57.5°	640.9	619.0	600.1	585.2	576.3	574.6	579.3	591.7	610.4	633.8	659.8
58°	628.6	606.7	588.1	573.7	565.4	563.4	568.4	580.2	598.4	621.5	647.5
58.5°	615.9	594.8	576.5	562.2	553.9	552.4	557.2	568.7	586.9	609.7	635.4
59°	603.6	582.8	564.5	551.0	542.5	541.0	545.8	557.5	575.1	597.8	623.0
59.5°	591.3	570.5	553.2	539.4	531.1	529.8	535.2	546.2	563.8	585.6	610.5
60°	578.8	558.8	541.8	528.0	520.6	519.2	523.7	534.8	552.0	573.7	597.8
60.5°	566.7	546.8	530.1	516.8	509.3	507.9	512.6	523.5	540.6	561.8	585.2
61°	554.0	535.0	518.5	505.7	498.3	497.1	501.5	512.5	529.0	550.0	573.4
61.5°	541.8	523.2	507.3	495.1	488.2	486.4	491.0	501.6	517.8	538.1	560.8
62°	529.3	511.4	496.2	483.8	476.8	475.8	480.1	490.8	506.4	526.6	548.6
62.5°	517.5	499.8	484.7	472.8	465.9	465.3	469.4	479.7	495.2	514.9	536.5
63°	505.5	488.3	473.2	461.9	455.5	454.5	458.7	468.7	483.9	503.1	524.3
63.5°	493.5	476.6	462.1	451.1	445.2	444.1	448.3	458.0	472.8	491.8	512.6
64°	481.2	465.0	451.7	440.6	434.7	433.8	437.7	447.4	461.5	480.3	500.3
64.5°	469.3	453.6	440.4	429.8	424.0	423.5	427.4	436.7	450.6	468.5	488.4
65°	457.4	442.3	429.4	419.4	414.0	413.1	417.2	426.3	439.9	457.3	476.5
65.5°	445.5	431.0	419.0	409.1	403.6	402.9	407.0	415.8	429.2	445.8	464.6
66°	434.0	419.8	408.3	398.4	393.1	392.6	396.3	405.1	418.2	434.7	452.6



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	398.3	386.1	375.7	367.7	363.3	362.8	366.5	374.4	386.1	401.1	417.1
68°	386.8	375.2	365.2	357.5	353.6	353.3	356.7	364.4	375.4	390.0	405.9
68.5°	375.5	364.2	354.8	347.6	343.8	343.2	346.8	354.4	365.2	379.2	394.5
69°	364.0	353.3	344.6	337.7	334.0	333.8	337.0	344.4	354.8	368.2	383.1
69.5°	352.5	342.6	334.2	327.6	324.0	324.0	327.3	334.4	344.5	357.2	371.4
70°	341.4	331.9	324.2	317.7	314.7	314.8	317.8	324.5	334.1	346.3	359.9
70.5°	329.8	321.3	313.9	308.3	305.4	305.5	308.5	314.7	323.9	335.8	348.3
71°	318.7	310.7	304.0	298.8	296.0	296.1	299.0	305.1	314.0	325.0	337.5
71.5°	307.8	300.2	294.1	289.1	286.5	286.7	289.8	295.5	304.1	314.6	326.1
72°	296.8	290.0	284.2	279.7	277.4	277.9	280.6	286.1	294.2	304.3	315.2
72.5°	285.7	279.7	274.5	270.4	268.4	268.7	271.5	276.8	284.3	293.8	304.0
73°	275.1	269.6	264.7	261.1	259.2	259.7	262.3	267.4	274.3	283.5	293.6
73.5°	264.3	259.4	255.0	251.9	250.5	250.7	253.5	258.0	264.9	273.3	282.5
74°	253.5	249.3	245.8	243.0	241.5	242.4	244.6	249.1	255.4	263.3	271.6
74.5°	243.1	239.5	236.3	234.2	232.9	233.7	236.0	240.2	246.0	253.2	260.8
75°	232.8	229.9	227.3	225.1	224.2	225.0	227.2	231.1	236.6	243.3	250.7
75.5°	222.7	220.3	217.9	216.5	215.8	216.6	218.6	222.3	227.3	233.4	240.2
76°	212.3	210.8	209.2	207.8	207.2	208.2	210.1	213.7	218.4	223.8	229.9
76.5°	202.3	201.3	200.3	199.3	199.1	199.9	201.9	205.2	209.3	214.2	219.7
77°	192.6	192.0	191.7	191.1	190.9	191.9	193.7	196.7	200.5	204.8	209.7
77.5°	182.7	183.0	182.9	183.0	183.1	184.1	185.9	188.4	191.8	195.5	199.3
78°	173.3	174.3	174.6	174.9	175.5	176.3	177.9	180.4	183.4	186.5	189.7
78.5°	164.1	165.8	166.5	167.0	167.8	168.8	170.3	172.4	174.7	177.5	180.0
79°	154.9	157.0	158.4	159.4	160.2	161.3	162.7	164.6	166.6	168.7	170.7
79.5°	146.2	148.8	150.7	151.9	152.9	154.0	155.6	157.0	158.5	160.1	161.1
80°	137.6	141.2	143.5	144.9	146.2	147.1	148.3	149.4	150.9	151.7	152.2
80.5°	129.1	133.5	136.2	138.2	139.6	140.5	141.5	142.4	143.7	143.7	143.7
81°	120.5	125.8	129.0	131.4	132.9	133.9	134.9	135.7	136.4	136.0	135.2
81.5°	112.5	118.0	121.8	124.5	126.3	127.3	128.2	128.9	129.1	128.2	126.8
82°	105.0	110.6	114.7	117.7	119.6	120.7	121.6	122.2	121.8	120.5	118.3
82.5°	97.4	103.7	108.0	111.2	113.3	114.6	115.4	115.5	114.7	113.0	110.0
83°	90.1	96.7	101.5	105.0	107.2	108.6	109.2	109.1	108.0	105.8	102.4
83.5°	83.1	90.1	95.3	98.9	101.2	102.5	103.2	102.9	101.5	98.8	94.8
84°	76.4	83.7	89.2	93.0	95.4	96.9	97.4	96.9	95.2	92.1	87.7
84.5°	70.0	77.8	83.4	87.4	89.9	91.3	91.7	91.1	89.2	85.6	80.6
85°	64.0	72.0	77.7	81.9	84.6	86.0	86.3	85.4	83.2	79.5	74.0
85.5°	58.3	66.4	72.4	76.7	79.4	80.7	80.9	80.1	77.6	73.5	67.8
86°	52.9	61.0	67.2	71.7	74.4	75.8	76.1	74.9	72.1	67.8	61.7
86.5°	47.8	56.1	62.4	66.8	69.6	71.0	71.2	69.9	67.1	62.3	55.9
87°	43.1	51.4	57.7	62.3	65.2	66.5	66.6	65.1	62.1	57.3	50.6
87.5°	38.7	47.0	53.4	58.0	60.8	62.2	62.1	60.7	57.5	52.5	45.6
88°	34.7	42.9	49.3	53.9	56.8	58.0	58.1	56.4	53.1	48.1	41.0
88.5°	31.0	39.1	45.5	50.1	52.8	54.2	54.0	52.3	49.0	43.8	36.8



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	22.1	29.5	35.5	39.9	42.7	43.8	43.6	41.7	38.1	32.9	26.0
90.5°	19.9	26.8	32.6	37.0	39.7	40.8	40.5	38.6	35.1	29.9	23.1
91°	17.9	24.5	30.1	34.3	36.9	38.0	37.7	35.8	32.3	27.1	20.6
91.5°	16.2	22.5	27.8	31.8	34.4	35.4	35.0	33.2	29.7	24.7	18.5
92°	15.2	20.7	25.7	29.6	32.1	33.1	32.7	30.8	27.4	22.6	16.6
92.5°	14.2	19.1	23.9	27.6	30.0	30.8	30.5	28.6	25.3	20.7	15.4
93°	13.2	17.7	22.3	25.8	28.0	28.9	28.5	26.7	23.4	19.0	14.4
93.5°	12.2	16.6	20.9	24.2	26.4	27.2	26.7	25.0	21.9	17.7	13.3
94°	11.3	15.7	19.7	22.8	24.8	25.6	25.2	23.4	20.5	16.5	12.2
94.5°	10.7	15.0	18.7	21.7	23.6	24.2	23.8	22.1	19.3	15.5	11.1
95°	10.3	14.3	17.8	20.6	22.4	23.0	22.5	21.0	18.2	14.6	10.5
95.5°	9.9	13.7	17.1	19.7	21.4	21.9	21.5	19.9	17.3	13.9	10.1
96°	9.6	13.3	16.4	18.9	20.4	21.0	20.5	19.0	16.5	13.3	9.7
96.5°	9.3	12.9	15.8	18.1	19.6	20.1	19.7	18.3	15.9	12.9	9.4
97°	9.1	12.5	15.3	17.4	18.8	19.4	19.0	17.7	15.3	12.4	9.0
97.5°	9.0	12.1	14.8	16.9	18.2	18.7	18.3	17.1	14.9	11.9	8.6
98°	8.8	11.7	14.3	16.4	17.6	18.1	17.8	16.6	14.5	11.4	8.2
98.5°	8.7	11.4	13.9	15.9	17.1	17.6	17.2	16.1	14.0	11.0	7.9
99°	8.6	11.2	13.6	15.4	16.6	17.1	16.7	15.5	13.5	10.6	7.8
99.5°	8.5	11.1	13.3	15.0	16.1	16.6	16.2	15.0	13.1	10.2	7.7
100°	8.3	10.9	13.0	14.7	15.8	16.1	15.7	14.6	12.7	10.0	7.6
100.5°	8.2	10.7	12.8	14.4	15.4	15.8	15.3	14.2	12.3	9.8	7.5
101°	8.1	10.6	12.6	14.1	15.0	15.4	14.9	13.8	11.9	9.7	7.4
101.5°	8.0	10.4	12.4	13.8	14.7	15.0	14.6	13.4	11.6	9.6	7.3
102°	7.8	10.3	12.2	13.6	14.4	14.7	14.2	13.1	11.4	9.4	7.2
102.5°	7.7	10.2	12.0	13.4	14.2	14.4	14.0	13.0	11.3	9.3	7.0
103°	7.5	10.0	11.8	13.1	13.9	14.2	13.8	12.8	11.1	9.2	6.9
103.5°	7.3	9.8	11.6	13.0	13.7	14.0	13.6	12.6	11.0	9.1	6.7
104°	7.2	9.7	11.5	12.8	13.5	13.8	13.4	12.5	10.9	9.0	6.5
104.5°	7.0	9.5	11.3	12.6	13.3	13.6	13.2	12.3	10.8	8.9	6.3
105°	6.9	9.3	11.1	12.4	13.1	13.4	13.1	12.1	10.6	8.7	6.1
105.5°	6.7	9.1	10.9	12.2	13.0	13.3	12.9	12.0	10.5	8.5	5.9
106°	6.6	8.9	10.7	12.0	12.7	13.1	12.8	11.8	10.3	8.3	5.8
106.5°	6.4	8.7	10.5	11.8	12.5	12.9	12.6	11.7	10.1	8.0	5.6
107°	6.3	8.5	10.2	11.6	12.3	12.7	12.4	11.5	9.9	7.8	5.4
107.5°	6.1	8.3	10.0	11.4	12.1	12.5	12.2	11.2	9.7	7.6	5.3
108°	6.0	8.2	9.8	11.1	11.9	12.2	11.9	11.0	9.4	7.4	5.2
108.5°	5.8	8.0	9.6	10.9	11.7	12.0	11.7	10.8	9.2	7.2	5.0
109°	5.6	7.8	9.4	10.6	11.4	11.8	11.5	10.5	8.9	7.0	4.9
109.5°	5.5	7.7	9.2	10.4	11.1	11.5	11.2	10.2	8.7	6.8	4.8
110°	5.3	7.5	9.0	10.2	10.9	11.2	11.0	10.0	8.5	6.6	4.7
110.5°	5.2	7.3	8.8	9.9	10.6	11.0	10.7	9.7	8.2	6.5	4.5
111°	5.0	7.1	8.6	9.7	10.4	10.7	10.4	9.5	8.0	6.3	4.4



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	4.5	6.5	8.1	9.1	9.7	9.9	9.7	8.8	7.4	5.9	4.0
113°	4.3	6.3	7.9	8.9	9.5	9.7	9.5	8.6	7.2	5.8	3.8
113.5°	4.1	6.1	7.7	8.6	9.3	9.5	9.2	8.4	7.0	5.6	3.7
114°	4.0	5.9	7.5	8.5	9.1	9.3	9.0	8.2	6.8	5.5	3.6
114.5°	3.9	5.7	7.3	8.3	8.8	9.1	8.8	8.0	6.7	5.3	3.5
115°	3.8	5.5	7.1	8.1	8.7	8.8	8.6	7.8	6.5	5.1	3.4
115.5°	3.7	5.3	6.9	7.9	8.5	8.6	8.4	7.5	6.3	4.9	3.3
116°	3.6	5.1	6.7	7.7	8.3	8.4	8.2	7.3	6.1	4.7	3.2
116.5°	3.5	4.9	6.5	7.5	8.1	8.2	7.9	7.1	5.9	4.6	3.2
117°	3.5	4.7	6.3	7.3	7.9	8.0	7.7	6.9	5.8	4.4	3.1
117.5°	3.4	4.5	6.0	7.1	7.7	7.8	7.5	6.7	5.6	4.3	3.1
118°	3.4	4.4	5.8	6.9	7.5	7.6	7.3	6.5	5.3	4.2	3.0
118.5°	3.3	4.3	5.5	6.7	7.3	7.4	7.1	6.4	5.1	4.0	2.9
119°	3.2	4.2	5.3	6.5	7.1	7.2	6.9	6.1	4.9	3.9	2.8
119.5°	3.1	4.0	5.1	6.2	6.9	7.0	6.7	5.9	4.7	3.8	2.6
120°	3.0	3.9	4.9	6.0	6.7	6.8	6.5	5.7	4.6	3.7	2.5
120.5°	2.8	3.8	4.8	5.7	6.4	6.6	6.3	5.4	4.4	3.6	2.5
121°	2.7	3.7	4.6	5.5	6.1	6.3	6.0	5.2	4.3	3.5	2.4
121.5°	2.6	3.6	4.5	5.3	5.9	6.0	5.8	5.0	4.1	3.4	2.4
122°	2.7	3.6	4.4	5.1	5.6	5.8	5.6	4.9	4.0	3.3	2.4
122.5°	2.7	3.6	4.2	4.9	5.4	5.6	5.4	4.7	3.9	3.2	2.4
123°	2.8	3.5	4.1	4.8	5.2	5.4	5.2	4.6	3.8	3.1	2.5
123.5°	2.8	3.3	4.0	4.6	5.1	5.2	5.0	4.4	3.7	2.9	2.5
124°	2.9	3.2	3.9	4.5	4.9	5.0	4.8	4.3	3.6	2.7	2.5
124.5°	2.9	3.0	3.8	4.4	4.7	4.8	4.7	4.2	3.5	2.6	2.6
125°	3.0	2.9	3.7	4.3	4.6	4.7	4.5	4.1	3.4	2.5	2.6
125.5°	3.0	2.7	3.6	4.2	4.5	4.6	4.4	4.0	3.3	2.4	2.7
126°	3.1	2.6	3.5	4.1	4.4	4.4	4.3	3.9	3.2	2.3	2.7
126.5°	3.1	2.6	3.4	3.9	4.2	4.3	4.2	3.8	3.0	2.2	2.8
127°	3.2	2.7	3.2	3.8	4.1	4.2	4.1	3.7	2.8	2.2	2.8
127.5°	3.3	2.7	3.1	3.8	4.1	4.1	4.0	3.6	2.7	2.3	2.8
128°	3.3	2.8	2.9	3.6	3.9	4.0	3.9	3.5	2.6	2.3	2.8
128.5°	3.4	2.8	2.8	3.5	3.8	3.9	3.8	3.3	2.5	2.4	2.8
129°	3.4	2.9	2.6	3.3	3.7	3.8	3.7	3.1	2.4	2.4	2.8
129.5°	3.5	2.9	2.6	3.2	3.6	3.7	3.5	3.0	2.4	2.5	2.8
130°	3.5	2.9	2.6	3.0	3.4	3.5	3.3	2.8	2.4	2.5	2.8
130.5°	3.5	3.0	2.7	2.8	3.2	3.3	3.1	2.7	2.4	2.6	2.9
131°	3.5	3.0	2.7	2.7	3.1	3.2	3.0	2.6	2.5	2.6	2.9
131.5°	3.6	3.1	2.8	2.6	2.9	3.0	2.9	2.5	2.5	2.7	2.9
132°	3.6	3.1	2.8	2.6	2.7	2.8	2.7	2.5	2.6	2.7	2.9
132.5°	3.7	3.2	2.8	2.6	2.6	2.7	2.6	2.5	2.6	2.8	3.0
133°	3.8	3.2	2.9	2.7	2.5	2.5	2.5	2.6	2.6	2.8	3.1
133.5°	3.8	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.7	2.9	3.2



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	4.0	3.5	3.1	2.8	2.7	2.6	2.7	2.7	2.8	3.1	3.5
135.5°	4.1	3.5	3.1	2.9	2.7	2.7	2.7	2.8	2.9	3.1	3.5
136°	4.2	3.6	3.1	2.9	2.8	2.7	2.8	2.8	2.9	3.2	3.5
136.5°	4.2	3.6	3.2	3.0	2.8	2.8	2.8	2.8	3.0	3.2	3.6
137°	4.2	3.7	3.2	3.0	2.9	2.8	2.9	2.9	3.0	3.3	3.6
137.5°	4.2	3.7	3.3	3.1	2.9	2.8	2.9	2.9	3.1	3.4	3.5
138°	4.1	3.8	3.4	3.1	2.9	2.9	2.9	3.0	3.2	3.4	3.4
138.5°	4.1	3.9	3.4	3.1	3.0	2.9	3.0	3.0	3.2	3.6	3.4
139°	4.0	3.9	3.5	3.2	3.0	3.0	3.0	3.1	3.3	3.6	3.3
139.5°	4.0	4.0	3.5	3.2	3.1	3.0	3.1	3.1	3.3	3.7	3.3
140°	4.0	4.0	3.6	3.3	3.1	3.0	3.1	3.2	3.4	3.7	3.3
140.5°	4.0	4.1	3.7	3.3	3.2	3.1	3.2	3.2	3.5	3.7	3.3
141°	4.0	4.1	3.8	3.4	3.2	3.2	3.2	3.3	3.6	3.8	3.3
141.5°	4.0	4.2	3.9	3.4	3.3	3.2	3.3	3.4	3.8	3.8	3.3
142°	4.0	4.2	4.0	3.5	3.3	3.3	3.3	3.4	3.8	3.7	3.3
142.5°	4.0	4.1	4.0	3.6	3.4	3.3	3.4	3.6	3.8	3.6	3.3
143°	4.0	4.0	4.0	3.7	3.4	3.4	3.4	3.7	3.9	3.6	3.3
143.5°	4.0	3.9	4.1	3.9	3.5	3.5	3.6	3.8	3.9	3.6	3.3
144°	4.0	3.9	4.1	4.0	3.7	3.6	3.7	3.9	3.9	3.5	3.3
144.5°	4.0	3.9	4.2	4.0	3.8	3.7	3.9	4.0	3.9	3.5	3.3
145°	4.0	3.9	4.1	4.0	3.9	3.9	3.9	4.0	3.8	3.5	3.3
145.5°	4.0	3.9	4.0	4.1	4.0	3.9	4.0	4.0	3.7	3.5	3.3
146°	4.0	3.9	3.9	4.1	4.0	4.0	4.0	4.0	3.7	3.5	3.3
146.5°	4.0	3.9	3.9	4.1	4.1	4.0	4.1	4.0	3.7	3.5	3.3
147°	4.0	3.9	3.9	4.0	4.1	4.1	4.1	3.9	3.6	3.5	3.3
147.5°	4.0	3.9	3.9	3.9	4.1	4.2	4.1	3.8	3.6	3.5	3.2
148°	4.0	3.9	3.9	3.9	4.0	4.1	4.0	3.8	3.6	3.5	3.2
148.5°	4.0	3.9	3.9	3.8	3.9	4.0	3.9	3.8	3.6	3.4	3.2
149°	4.0	3.9	3.9	3.8	3.8	3.9	3.9	3.8	3.6	3.4	3.2
149.5°	4.0	3.9	3.9	3.9	3.8	3.9	3.9	3.8	3.6	3.4	3.2
150°	4.0	3.9	3.9	3.8	3.8	3.9	3.9	3.7	3.6	3.4	3.2
150.5°	3.9	3.9	3.9	3.8	3.8	3.9	3.8	3.7	3.6	3.3	3.2
151°	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.3	3.2
151.5°	4.0	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.6	3.3	3.3
152°	4.1	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.3	3.3
152.5°	4.2	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.5	3.3	3.3
153°	4.2	3.8	3.8	3.8	3.8	3.9	3.8	3.7	3.5	3.3	3.3
153.5°	4.2	3.8	3.7	3.8	3.8	3.8	3.8	3.7	3.5	3.3	3.3
154°	4.2	3.8	3.7	3.8	3.8	3.8	3.8	3.7	3.5	3.4	3.3
154.5°	4.3	3.9	3.7	3.7	3.8	3.8	3.7	3.7	3.5	3.4	3.4
155°	4.3	4.0	3.8	3.7	3.7	3.8	3.7	3.7	3.5	3.4	3.4
155.5°	4.2	4.0	3.8	3.7	3.7	3.8	3.7	3.7	3.6	3.4	3.4
156°	4.1	4.1	3.8	3.7	3.7	3.8	3.7	3.7	3.6	3.5	3.4



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	4.3	4.0	3.9	3.8	3.7	3.8	3.8	3.7	3.7	3.6	3.5
158°	4.1	3.9	4.0	3.8	3.7	3.8	3.8	3.8	3.7	3.7	3.6
158.5°	3.9	3.9	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.6
159°	3.8	3.9	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.6
159.5°	3.8	3.9	4.1	4.0	3.8	3.8	3.8	3.9	3.9	3.8	3.7
160°	3.7	3.9	4.2	4.0	3.9	3.9	3.9	3.9	4.0	3.9	3.7
160.5°	3.7	3.9	4.2	4.1	3.9	3.9	3.9	3.9	4.0	3.9	3.8
161°	3.7	3.9	4.1	4.2	4.0	4.0	4.0	4.0	4.1	4.0	3.8
161.5°	3.7	3.8	4.0	4.2	4.1	4.0	4.0	4.1	4.1	4.0	3.8
162°	3.6	3.7	3.9	4.2	4.1	4.1	4.1	4.2	4.2	4.1	3.9
162.5°	3.6	3.7	3.9	4.2	4.2	4.2	4.2	4.2	4.2	4.1	3.8
163°	3.6	3.7	3.9	4.2	4.2	4.2	4.2	4.2	4.3	4.1	3.8
163.5°	3.6	3.7	3.8	4.1	4.3	4.3	4.3	4.3	4.3	4.1	3.9
164°	3.5	3.7	3.7	4.0	4.3	4.3	4.3	4.4	4.3	4.2	3.8
164.5°	3.5	3.7	3.7	4.0	4.3	4.4	4.4	4.4	4.3	4.3	3.4
165°	3.5	3.6	3.7	3.9	4.4	4.4	4.4	4.4	4.4	4.0	3.2
165.5°	3.4	3.6	3.7	3.9	4.3	4.4	4.4	4.5	4.3	3.4	3.7
166°	3.4	3.6	3.7	3.7	4.2	4.4	4.4	4.5	4.3	3.5	3.9
166.5°	3.4	3.7	3.6	3.6	4.2	4.4	4.5	4.5	4.3	4.0	3.4
167°	3.3	3.8	3.7	3.6	4.1	4.5	4.5	4.5	3.8	3.8	3.0
167.5°	3.3	3.9	3.8	3.6	4.0	4.4	4.5	4.5	3.4	3.2	3.4
168°	3.4	3.9	3.9	3.6	4.0	4.4	4.4	4.4	3.8	3.0	3.8
168.5°	3.5	4.0	4.1	3.6	3.7	4.4	4.4	4.4	4.1	3.8	3.5
169°	3.5	3.9	4.1	3.7	3.6	4.4	4.4	4.3	3.3	3.9	3.5
169.5°	3.5	3.9	4.0	3.7	3.5	4.2	4.3	4.0	2.9	3.8	3.7
170°	3.6	3.8	4.0	3.9	3.5	4.1	4.3	3.5	3.8	3.8	3.6
170.5°	3.6	3.7	3.9	4.0	3.5	4.0	4.3	3.3	3.9	3.8	3.6
171°	3.6	3.7	3.8	3.9	3.5	3.9	4.2	3.4	3.7	3.8	3.6
171.5°	3.5	3.6	3.8	3.9	3.5	3.8	4.2	2.9	3.8	3.7	3.6
172°	3.5	3.6	3.7	3.8	3.6	3.4	4.0	3.1	3.9	3.7	3.5
172.5°	3.4	3.5	3.6	3.7	3.7	3.3	3.9	3.6	3.7	3.6	3.4
173°	3.4	3.5	3.6	3.7	3.7	3.3	3.7	3.6	3.7	3.5	3.4
173.5°	3.4	3.5	3.5	3.6	3.6	3.2	3.2	3.6	3.5	3.4	3.3
174°	3.4	3.4	3.5	3.6	3.6	3.1	2.7	3.5	3.4	3.3	3.2
174.5°	3.3	3.4	3.4	3.5	3.5	3.0	2.5	3.4	3.4	3.3	3.2
175°	3.3	3.3	3.4	3.4	3.5	3.0	3.0	3.4	3.3	3.2	3.2
175.5°	3.3	3.3	3.3	3.4	3.4	3.0	3.3	3.3	3.2	3.2	3.1
176°	3.3	3.3	3.3	3.3	3.3	2.9	3.3	3.2	3.1	3.2	3.1
176.5°	3.2	3.3	3.3	3.2	3.2	2.9	3.1	3.1	3.2	3.1	3.1
177°	3.2	3.2	3.1	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1
177.5°	3.1	3.1	3.1	3.1	3.1	1.2	3.1	3.1	3.1	3.1	3.1
178°	3.1	3.1	3.1	3.1	3.1	1.8	3.1	3.1	3.1	3.1	3.1
178.5°	3.1	3.1	3.2	3.1	2.8	2.4	2.9	3.1	3.1	3.1	3.1



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1635.8	1635.8	1635.8	1635.8
0.5°	1635.5	1635.5	1635.4	1635.4
1°	1635.2	1635.2	1635.2	1635.2
1.5°	1634.8	1634.9	1635.0	1635.3
2°	1633.5	1634.2	1634.8	1635.0
2.5°	1632.1	1632.4	1633.8	1634.4
3°	1630.9	1631.9	1633.1	1633.2
3.5°	1630.2	1631.6	1631.9	1632.1
4°	1629.0	1630.7	1630.7	1631.4
4.5°	1626.7	1628.6	1629.0	1629.7
5°	1625.4	1626.6	1627.9	1628.6
5.5°	1624.2	1624.8	1626.4	1627.6
6°	1621.6	1623.7	1624.6	1626.3
6.5°	1619.1	1620.6	1622.7	1624.5
7°	1617.9	1618.4	1621.4	1622.9
7.5°	1614.9	1616.8	1617.8	1620.7
8°	1611.7	1613.9	1616.6	1619.0
8.5°	1608.4	1610.9	1614.2	1615.9
9°	1605.8	1608.0	1611.2	1614.2
9.5°	1602.6	1605.1	1608.2	1611.2
10°	1598.8	1601.3	1605.4	1608.0
10.5°	1595.5	1598.9	1601.6	1605.0
11°	1591.7	1596.0	1599.4	1601.6
11.5°	1587.9	1592.1	1596.3	1598.2
12°	1584.2	1588.3	1593.0	1594.8
12.5°	1579.6	1584.2	1589.0	1591.7
13°	1575.1	1580.0	1585.1	1587.9
13.5°	1570.7	1575.7	1581.3	1583.7
14°	1566.1	1571.5	1576.7	1579.7
14.5°	1561.1	1567.6	1572.3	1575.8
15°	1556.1	1562.5	1567.8	1571.2
15.5°	1550.7	1557.2	1563.1	1567.0
16°	1545.2	1552.3	1558.9	1562.0
16.5°	1539.6	1546.9	1554.3	1556.4
17°	1534.4	1541.6	1548.7	1551.2
17.5°	1528.6	1536.2	1542.7	1546.9
18°	1522.9	1531.0	1537.4	1542.1
18.5°	1517.0	1525.4	1532.1	1536.1
19°	1510.5	1519.4	1526.5	1530.4
19.5°	1503.4	1513.3	1520.6	1524.6
20°	1496.9	1506.9	1514.3	1518.9
20.5°	1490.7	1500.1	1508.3	1513.1
21°	1484.3	1493.4	1501.6	1507.3



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1462.0	1473.0	1482.4	1487.3
23°	1454.4	1465.9	1475.1	1481.3
23.5°	1446.9	1458.4	1467.8	1473.9
24°	1439.1	1451.1	1460.8	1466.8
24.5°	1431.0	1443.6	1453.6	1460.1
25°	1423.1	1435.6	1446.3	1452.9
25.5°	1414.4	1428.0	1438.3	1445.1
26°	1406.8	1419.9	1430.6	1437.5
26.5°	1398.1	1411.6	1422.7	1429.5
27°	1389.5	1403.5	1414.4	1421.6
27.5°	1380.4	1395.7	1406.2	1413.8
28°	1371.7	1386.4	1398.1	1405.2
28.5°	1362.4	1377.7	1389.6	1397.0
29°	1352.7	1368.8	1381.0	1389.3
29.5°	1344.2	1359.5	1372.1	1380.7
30°	1334.8	1350.9	1363.2	1371.6
30.5°	1324.9	1341.4	1354.4	1363.0
31°	1314.8	1332.4	1345.3	1354.3
31.5°	1305.5	1322.2	1335.9	1345.1
32°	1295.3	1312.7	1326.3	1335.2
32.5°	1285.4	1302.9	1316.8	1325.8
33°	1275.6	1293.5	1307.1	1316.7
33.5°	1265.7	1284.1	1297.3	1306.9
34°	1254.7	1273.7	1287.5	1296.8
34.5°	1244.6	1263.1	1277.1	1286.5
35°	1234.2	1253.2	1267.4	1277.0
35.5°	1223.3	1242.6	1257.1	1267.1
36°	1212.5	1232.3	1246.6	1256.8
36.5°	1201.7	1221.5	1237.1	1246.2
37°	1190.9	1210.6	1226.7	1235.9
37.5°	1180.1	1199.9	1216.4	1225.9
38°	1168.9	1189.1	1204.9	1215.8
38.5°	1156.7	1178.3	1193.5	1204.5
39°	1144.9	1167.0	1182.1	1192.8
39.5°	1133.5	1155.5	1170.9	1181.3
40°	1122.2	1144.2	1160.3	1170.2
40.5°	1110.7	1133.0	1149.4	1159.6
41°	1098.7	1121.2	1137.6	1148.4
41.5°	1087.1	1109.2	1126.4	1136.7
42°	1074.8	1097.6	1114.8	1125.5
42.5°	1062.8	1086.0	1102.9	1114.3
43°	1050.8	1073.9	1091.0	1102.4
43.5°	1038.8	1061.8	1079.5	1090.1



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	1001.9	1026.2	1043.6	1054.3
45.5°	989.9	1013.7	1031.1	1042.6
46°	977.3	1001.6	1018.9	1030.1
46.5°	965.0	989.3	1006.5	1017.3
47°	953.0	976.9	994.4	1004.8
47.5°	940.1	964.6	981.9	992.9
48°	927.8	951.5	969.2	980.8
48.5°	914.8	939.3	956.9	967.9
49°	902.3	926.8	944.5	955.9
49.5°	890.0	913.9	931.7	943.1
50°	876.9	901.1	918.8	930.4
50.5°	864.3	888.7	906.0	917.3
51°	852.2	875.6	893.5	904.8
51.5°	839.4	863.3	881.0	891.9
52°	826.3	850.2	867.6	879.4
52.5°	813.6	837.3	855.1	866.1
53°	800.7	824.5	841.8	853.2
53.5°	788.3	811.6	829.1	840.3
54°	775.5	798.6	816.1	827.4
54.5°	762.9	785.8	803.1	814.1
55°	750.4	773.1	790.1	800.8
55.5°	736.7	760.4	776.9	788.1
56°	724.0	746.6	763.6	774.6
56.5°	711.6	734.3	751.0	761.7
57°	699.0	721.2	737.8	749.0
57.5°	685.9	708.3	724.9	735.4
58°	673.2	694.8	711.3	722.0
58.5°	660.3	681.9	698.2	709.1
59°	648.2	668.9	685.1	695.6
59.5°	635.0	655.9	672.2	682.5
60°	622.3	642.8	659.0	669.0
60.5°	609.3	630.0	645.7	655.8
61°	597.0	617.1	632.3	642.5
61.5°	584.1	604.0	619.1	629.4
62°	571.5	591.1	605.9	616.0
62.5°	558.9	578.4	592.7	602.8
63°	546.6	565.3	579.5	589.4
63.5°	533.8	552.3	566.5	576.3
64°	520.9	539.5	553.1	562.8
64.5°	508.5	526.5	540.3	549.2
65°	496.4	513.4	527.1	535.7
65.5°	483.7	500.8	513.8	522.1
66°	471.7	488.3	500.6	508.5



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	434.6	449.9	461.7	468.9
68°	422.2	436.8	448.4	456.0
68.5°	409.9	424.4	435.1	442.6
69°	398.2	411.4	422.4	429.4
69.5°	386.0	398.8	409.3	416.3
70°	373.9	386.4	396.5	403.0
70.5°	361.8	374.0	383.5	389.9
71°	350.0	361.4	370.8	377.0
71.5°	338.1	348.9	357.8	364.0
72°	326.3	336.7	344.9	351.2
72.5°	314.5	324.5	332.0	338.3
73°	302.8	312.0	319.6	325.2
73.5°	291.7	300.2	307.1	312.0
74°	280.1	287.8	294.6	299.6
74.5°	268.5	275.8	282.1	286.9
75°	257.3	263.6	269.4	274.3
75.5°	246.2	252.0	257.0	261.5
76°	235.4	240.2	245.4	249.1
76.5°	224.3	228.8	232.9	236.9
77°	213.6	217.1	221.1	224.7
77.5°	202.7	206.0	209.1	212.3
78°	192.3	194.4	197.5	200.6
78.5°	182.1	183.6	185.6	188.6
79°	171.9	172.8	174.3	176.8
79.5°	161.9	162.2	163.4	165.2
80°	152.6	152.2	152.8	154.3
80.5°	143.3	142.1	142.2	143.0
81°	133.9	132.1	131.6	132.0
81.5°	124.6	122.0	121.0	121.3
82°	115.3	112.0	110.4	110.8
82.5°	106.6	102.8	100.4	100.1
83°	97.9	93.7	91.1	90.6
83.5°	89.8	84.8	81.6	81.1
84°	81.9	76.2	72.6	72.0
84.5°	74.5	68.2	64.0	63.0
85°	67.2	60.5	56.0	54.8
85.5°	60.6	53.2	48.1	47.7
86°	54.2	46.4	40.9	40.5
86.5°	48.2	40.1	34.1	33.4
87°	42.5	34.1	27.9	26.3
87.5°	37.4	28.7	23.5	20.2
88°	32.7	24.0	19.1	14.6
88.5°	28.4	20.9	14.7	9.8



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	18.2	11.3	4.2	3.1
90.5°	16.4	8.3	2.8	1.7
91°	14.6	6.8	2.0	0.3
91.5°	12.8	5.7	1.6	0.3
92°	11.1	5.0	1.4	0.2
92.5°	9.3	4.5	1.3	0.2
93°	8.5	4.1	1.1	0.2
93.5°	7.8	3.9	1.1	0.2
94°	7.3	3.6	1.0	0.2
94.5°	7.0	3.3	1.0	0.3
95°	6.6	3.2	1.0	0.4
95.5°	6.3	3.2	1.0	0.4
96°	5.9	3.2	1.0	0.5
96.5°	5.6	3.1	1.0	0.5
97°	5.5	3.1	0.9	0.6
97.5°	5.4	2.9	0.9	0.7
98°	5.4	2.8	0.9	0.7
98.5°	5.4	2.7	0.9	0.8
99°	5.3	2.6	0.9	0.8
99.5°	5.3	2.6	1.0	0.9
100°	5.2	2.5	1.1	1.0
100.5°	5.0	2.5	1.1	1.1
101°	4.8	2.5	1.2	1.2
101.5°	4.7	2.5	1.2	1.3
102°	4.5	2.4	1.3	1.4
102.5°	4.4	2.4	1.4	1.5
103°	4.2	2.3	1.5	1.6
103.5°	4.1	2.2	1.5	1.6
104°	4.0	2.1	1.6	1.7
104.5°	3.9	2.0	1.6	1.7
105°	3.8	2.0	1.7	1.7
105.5°	3.7	1.9	1.7	1.7
106°	3.7	1.9	1.9	1.7
106.5°	3.5	1.8	2.2	1.7
107°	3.4	1.7	2.3	1.7
107.5°	3.3	1.7	2.1	1.7
108°	3.1	1.7	2.1	1.7
108.5°	3.0	1.6	2.1	1.7
109°	2.9	1.7	2.1	1.7
109.5°	2.8	1.7	2.0	1.7
110°	2.7	1.7	2.0	1.8
110.5°	2.6	1.7	2.0	1.8
111°	2.5	1.7	2.0	1.8



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	2.4	1.8	2.1	1.8
113°	2.3	1.9	2.1	1.8
113.5°	2.2	1.9	2.1	1.8
114°	2.1	2.0	2.1	1.9
114.5°	2.1	2.0	2.1	1.9
115°	2.0	2.1	2.2	1.9
115.5°	2.0	2.1	2.2	1.9
116°	2.0	2.2	2.2	1.9
116.5°	2.0	2.2	2.2	1.9
117°	2.1	2.3	2.2	1.9
117.5°	2.1	2.5	2.2	1.9
118°	2.2	2.6	2.2	1.9
118.5°	2.2	2.7	2.2	2.0
119°	2.3	2.8	2.2	2.0
119.5°	2.3	2.7	2.2	2.0
120°	2.4	2.7	2.3	2.0
120.5°	2.4	2.7	2.3	2.0
121°	2.4	2.7	2.3	2.1
121.5°	2.5	2.7	2.3	2.1
122°	2.5	2.7	2.4	2.1
122.5°	2.5	2.7	2.4	2.1
123°	2.5	2.6	2.4	2.1
123.5°	2.5	2.5	2.4	2.2
124°	2.6	2.4	2.4	2.2
124.5°	2.7	2.5	2.5	2.2
125°	2.8	2.5	2.5	2.2
125.5°	2.9	2.6	2.5	2.2
126°	3.0	2.8	2.5	2.3
126.5°	3.1	2.8	2.6	2.3
127°	3.3	2.9	2.6	2.3
127.5°	3.4	2.9	2.6	2.3
128°	3.4	2.9	2.6	2.4
128.5°	3.4	3.0	2.7	2.4
129°	3.4	3.0	2.7	2.4
129.5°	3.4	3.0	2.7	2.4
130°	3.4	3.0	2.7	2.4
130.5°	3.3	2.9	2.6	2.4
131°	3.3	2.9	2.4	2.4
131.5°	3.2	2.9	2.4	2.5
132°	3.1	2.9	2.5	2.5
132.5°	3.1	2.9	2.6	2.5
133°	3.0	2.9	2.7	2.5
133.5°	3.0	2.9	2.8	2.5



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	3.0	2.9	2.6	2.5
135.5°	3.0	2.9	2.6	2.5
136°	3.0	2.9	2.7	2.5
136.5°	3.1	2.9	2.7	2.5
137°	3.1	2.8	2.7	2.5
137.5°	3.1	2.8	2.6	2.5
138°	3.1	2.9	2.5	2.5
138.5°	3.1	2.9	2.6	2.5
139°	3.1	2.9	2.6	2.6
139.5°	3.1	3.0	2.6	2.6
140°	3.1	3.0	2.7	2.6
140.5°	3.1	3.0	2.8	2.6
141°	3.1	3.0	2.8	2.6
141.5°	3.1	3.0	2.8	2.6
142°	3.1	3.0	2.7	2.6
142.5°	3.1	3.0	2.7	2.6
143°	3.1	3.1	2.7	2.6
143.5°	3.1	3.1	2.7	2.6
144°	3.1	3.1	2.7	2.6
144.5°	3.2	3.1	2.7	2.6
145°	3.2	3.1	2.7	2.6
145.5°	3.2	3.1	2.7	2.6
146°	3.2	3.2	2.7	2.6
146.5°	3.2	3.2	2.7	2.6
147°	3.2	3.2	2.7	2.6
147.5°	3.2	3.2	2.7	2.6
148°	3.2	3.2	2.7	2.6
148.5°	3.3	3.2	2.7	2.6
149°	3.3	3.2	2.7	2.5
149.5°	3.3	3.2	2.7	2.5
150°	3.3	3.2	2.7	2.5
150.5°	3.3	3.2	2.7	2.5
151°	3.3	3.2	2.6	2.4
151.5°	3.3	3.2	2.6	2.3
152°	3.4	3.2	2.6	2.3
152.5°	3.4	3.2	2.6	2.3
153°	3.4	3.1	2.5	2.2
153.5°	3.4	3.1	2.4	2.1
154°	3.4	3.0	2.3	1.9
154.5°	3.4	3.0	2.3	1.9
155°	3.4	3.0	2.2	1.9
155.5°	3.4	2.8	2.1	1.9
156°	3.4	2.7	2.0	1.8



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	3.5	2.7	1.9	1.7
158°	3.5	2.7	1.9	1.7
158.5°	3.5	2.6	1.9	1.7
159°	3.5	2.6	1.9	1.7
159.5°	3.5	2.6	1.8	1.7
160°	3.5	2.6	1.8	1.7
160.5°	3.5	2.6	1.8	1.7
161°	3.6	2.6	1.8	1.7
161.5°	3.6	2.6	1.8	1.7
162°	3.6	2.6	1.8	1.8
162.5°	3.5	2.5	1.8	1.8
163°	3.5	2.4	1.8	1.8
163.5°	3.6	2.3	1.7	1.8
164°	3.6	2.3	1.7	1.8
164.5°	3.2	2.3	1.7	1.8
165°	3.0	2.2	1.8	1.8
165.5°	3.3	2.0	1.8	1.8
166°	3.3	1.9	1.8	1.8
166.5°	2.9	1.9	1.8	1.8
167°	2.7	1.9	1.8	1.9
167.5°	3.1	2.1	1.8	1.9
168°	3.3	2.4	1.9	1.9
168.5°	3.1	2.4	1.9	1.9
169°	3.1	2.4	2.0	1.9
169.5°	3.2	2.6	2.1	2.0
170°	3.0	2.6	2.4	2.0
170.5°	3.1	2.6	2.5	2.3
171°	3.3	2.9	2.5	2.6
171.5°	3.3	3.0	2.7	2.6
172°	3.2	3.0	2.8	2.6
172.5°	3.2	3.0	2.9	2.8
173°	3.2	3.0	2.9	2.8
173.5°	3.2	3.1	2.9	2.8
174°	3.1	3.1	3.0	2.8
174.5°	3.1	3.1	3.0	2.9
175°	3.1	3.1	3.0	3.0
175.5°	3.1	3.1	3.1	3.0
176°	3.1	3.1	3.1	3.1
176.5°	3.1	3.1	3.1	3.1
177°	3.1	3.1	3.1	3.1
177.5°	3.1	3.1	3.1	3.1
178°	3.1	3.1	3.1	3.1
178.5°	3.1	3.1	3.1	3.1



TEST NUMBER: P563556

CATALOG NUMBER: 4NWS3C3MS-NUV-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	2.8	2.8	2.8	2.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	1501.0	1504.6	1504.2	1501.5	1496.0	1489.5	1482.6	1476.8	1471.9	1469.4	1468.5
22°	1493.9	1497.8	1497.7	1494.5	1489.1	1482.4	1474.7	1468.8	1464.4	1461.0	1460.3



44°	1078.3	1082.3	1077.2	1065.8	1047.3	1024.6	1001.5	981.7	967.2	959.9	960.9
44.5°	1066.4	1069.7	1065.5	1053.4	1034.9	1011.8	989.1	969.0	954.4	947.4	947.4



66.5°	495.2	499.9	498.7	491.7	480.4	464.8	450.5	437.9	428.7	423.3	421.9
67°	481.9	486.2	485.8	479.4	468.2	453.5	439.9	427.3	418.1	413.1	412.1



89°	6.1	11.9	22.7	35.1	46.8	54.8	61.3	65.1	66.5	65.9	63.5
89.5°	4.5	8.4	18.7	30.6	42.1	50.8	57.2	60.5	62.0	61.5	59.1



111.5°	1.8	1.8	1.5	1.3	1.8	2.7	3.9	5.1	5.9	6.1	5.9
112°	1.8	1.8	1.5	1.3	1.7	2.6	3.7	4.9	5.7	5.9	5.7



134°	2.5	2.6	2.5	3.1	3.1	2.8	2.7	2.8	2.8	2.9	3.1
134.5°	2.5	2.6	2.6	3.1	3.2	2.8	2.8	2.8	2.9	3.0	3.1



156.5°	1.7	2.7	3.1	3.1	3.0	3.1	3.2	3.6	3.8	3.9	3.9
157°	1.7	2.6	3.1	3.1	3.1	3.1	3.2	3.5	3.7	3.8	3.9



179°	3.0	3.0	2.8	2.6	2.4	2.3	2.5	2.7	2.9	3.1	3.0
179.5°	2.8	2.7	2.7	2.7	2.6	2.7	2.7	2.8	2.8	2.9	2.8





21.5°	1469.9	1473.7	1477.2	1481.6	1485.6	1487.5	1487.6	1485.6	1481.1	1474.1	1465.3
22°	1461.8	1465.3	1469.8	1474.6	1479.0	1480.5	1480.8	1479.0	1473.9	1466.8	1457.7



44°	967.9	982.3	1001.0	1018.4	1034.1	1045.3	1049.7	1047.8	1040.2	1026.2	1005.7
44.5°	955.5	970.1	988.3	1005.5	1021.6	1032.9	1036.7	1035.9	1028.4	1013.8	993.0



66.5°	425.0	431.4	440.3	449.3	457.2	462.4	461.3	460.4	454.7	446.6	434.9
67°	414.9	420.7	429.1	437.4	444.5	448.7	448.4	447.2	441.8	433.9	422.7



89°	59.3	53.2	45.7	34.8	23.4	12.5	5.1	0.8	4.1	11.6	19.1
89.5°	55.3	49.5	41.4	31.0	20.1	10.0	3.9	0.7	3.1	8.7	17.2



111.5°	5.2	4.1	3.0	2.2	2.3	2.7	3.4	3.1	3.5	2.6	3.0
112°	4.9	3.9	2.9	2.2	2.3	2.9	3.4	3.1	3.6	2.7	3.0



134°	3.3	3.7	4.3	5.3	5.4	4.2	3.7	3.4	4.3	4.5	4.2
134.5°	3.3	3.8	4.4	5.4	5.3	4.2	3.7	3.5	4.3	4.6	4.2



156.5°	3.9	3.7	3.6	3.7	3.6	3.4	3.3	2.9	3.0	3.4	3.8
157°	3.8	3.6	3.5	3.7	3.6	3.4	3.1	2.9	3.0	3.4	3.8



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





21.5°	1455.8	1445.5	1437.1	1430.1	1426.6	1425.8	1427.8	1434.1	1443.0	1454.4	1465.9
22°	1448.1	1436.9	1428.0	1421.8	1418.1	1416.4	1419.3	1424.8	1434.3	1445.8	1458.0



44°	982.8	957.5	935.1	917.2	906.3	903.4	909.0	923.2	944.9	971.0	1000.1
44.5°	970.6	944.4	922.3	904.5	893.2	890.2	896.2	910.7	932.3	958.7	987.1



66.5°	421.9	408.4	396.8	388.1	383.1	382.6	386.4	394.9	407.3	423.3	441.0
67°	410.0	397.1	386.3	378.1	373.4	372.9	376.2	384.8	396.7	412.0	429.3



89°	27.7	35.6	41.8	46.4	49.2	50.5	50.3	48.5	45.1	39.8	32.8
89.5°	24.8	32.4	38.5	43.0	45.9	47.1	46.8	44.9	41.4	36.1	29.2



111.5°	4.8	6.9	8.5	9.5	10.2	10.4	10.2	9.2	7.8	6.2	4.2
112°	4.6	6.7	8.3	9.3	9.9	10.2	9.9	9.0	7.6	6.0	4.1



134°	3.9	3.4	3.0	2.8	2.6	2.6	2.6	2.6	2.7	3.0	3.3
134.5°	4.0	3.4	3.0	2.8	2.7	2.6	2.6	2.7	2.8	3.0	3.4



156.5°	4.2	4.1	3.8	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.5
157°	4.3	4.1	3.9	3.8	3.7	3.7	3.7	3.7	3.6	3.6	3.5



179°	3.0	2.9	2.8	2.7	2.7	2.8	2.9	3.0	3.1	3.1	3.1
179.5°	2.6	2.7	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0





21.5°	1477.0	1487.2	1495.1	1501.0
22°	1469.2	1480.7	1489.1	1493.9



44°	1026.7	1050.3	1067.1	1078.3
44.5°	1015.1	1037.9	1055.5	1066.4



66.5°	459.1	475.4	487.6	495.2
67°	446.7	462.6	474.9	481.9



89°	24.6	17.7	10.3	6.1
89.5°	21.1	14.5	6.1	4.5



111.5°	2.4	1.8	2.0	1.8
112°	2.4	1.8	2.0	1.8



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



156.5°	3.4	2.7	1.9	1.7
157°	3.4	2.7	1.9	1.7



179°	3.1	3.1	3.1	3.0
179.5°	2.9	2.9	2.8	2.8



(END OF REPORT)