

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: P563545

Luminaire Tested: **4NWS3C3-UNV-LOW-5000K**

Issue Date: 7/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563545  
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: 4NWS3C3-UNV-LOW-5000K  
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING  
Light Source: -  
Ballast/Driver:

**Summary**

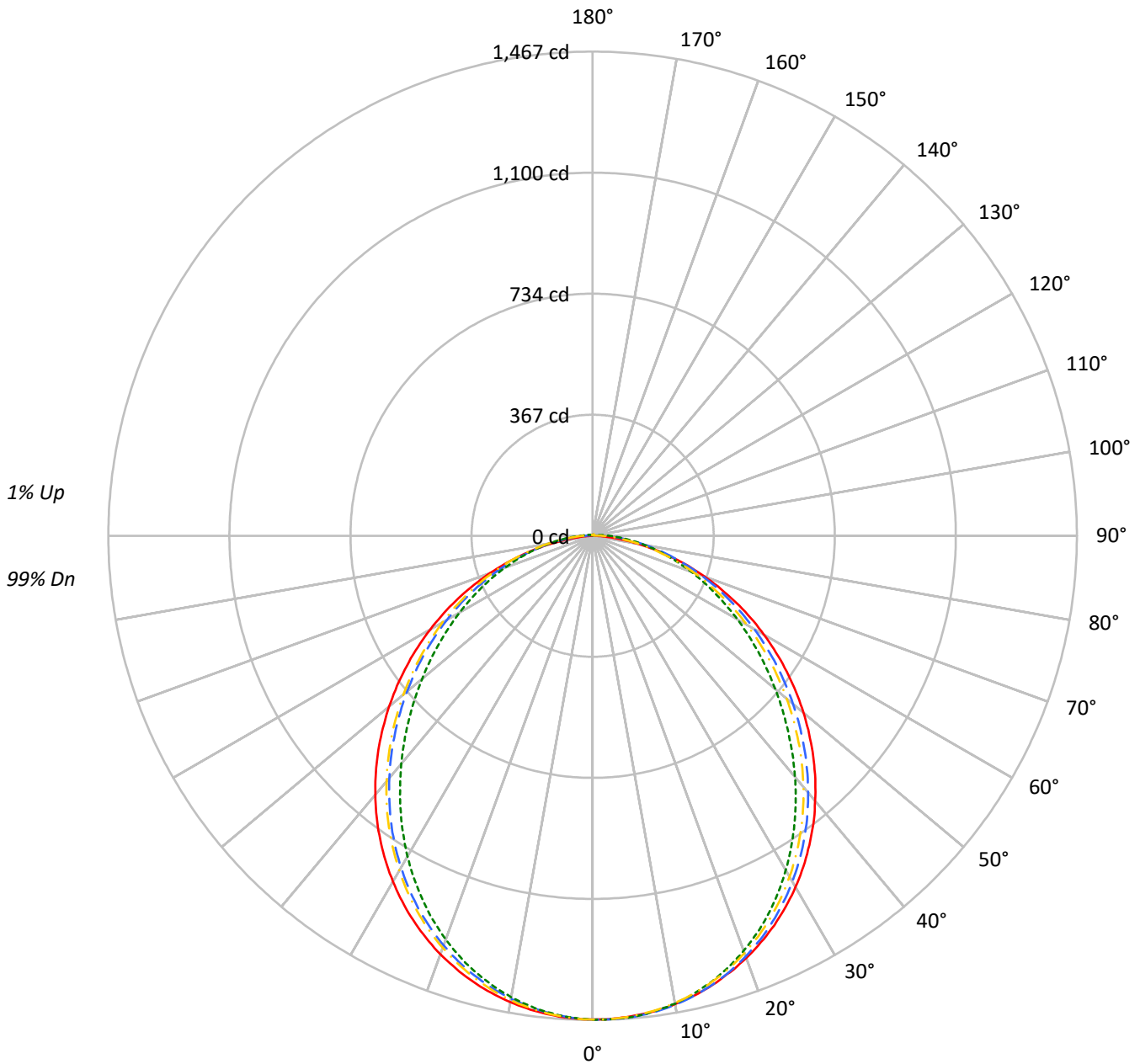
Lumens per Lamp: N/A  
Luminaire Lumens: 3822.0 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.17 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 28.5  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
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°	8910	8910	8910	8910
5°	8889	8777	8873	8712
10°	8861	8601	8823	8483
15°	8811	8375	8751	8202
20°	8739	8100	8661	7880
25°	8649	7781	8540	7508
30°	8525	7409	8390	7102
35°	8370	6992	8208	6654
40°	8178	6539	7987	6182
45°	7957	6063	7728	5693
50°	7694	5578	7423	5210
55°	7386	5115	7072	4736
60°	7035	4653	6666	4270
65°	6611	4182	6176	3798
70°	6073	3711	5550	3309
75°	5358	3221	4706	2787
80°	4331	2694	3523	2236
85°	2768	2152	1781	1711



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.4	3.6
10°-20°	392.7	10.3
20°-30°	583.2	15.3
30°-40°	679.8	17.8
40°-50°	673.0	17.6
50°-60°	578.0	15.1
60°-70°	423.0	11.1
70°-80°	240.1	6.3
80°-90°	80.0	2.1
90°-100°	14.5	0.4
100°-110°	6.1	0.2
110°-120°	3.6	0.1
120°-130°	2.6	0.1
130°-140°	2.3	0.1
140°-150°	2.1	0.1
150°-160°	1.5	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	1114.3	29.2
0°-40°	1794.1	46.9
0°-60°	3045.0	79.7
0°-90°	3788.1	99.1
90°-120°	24.3	0.6
90°-150°	31.3	0.8
90°-180°	34.0	0.9
0°-180°	3822.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1466	1466	1466	1466	1466	
5°	1460	1462	1457	1451	1460	139
15°	1408	1398	1398	1369	1408	397
25°	1302	1262	1286	1217	1302	600
35°	1144	1066	1122	1014	1144	716
45°	945	838	918	786	945	728
55°	718	612	687	566	718	642
65°	480	408	448	370	480	475
75°	246	233	216	202	246	260
85°	49	97	32	77	49	59
90°	3	51	1	39	3	2
95°	0	25	1	21	0	0
105°	2	9	2	12	2	2
115°	2	4	3	8	2	2
125°	2	2	3	4	2	2
135°	2	3	3	2	2	2
145°	2	4	3	4	2	1
155°	2	4	3	3	2	1
165°	2	3	2	4	2	0
175°	3	3	3	3	3	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9
0.5°	1465.6	1465.6	1465.7	1465.9	1466.0	1466.1	1466.2	1466.3	1466.3	1466.3	1466.3
1°	1465.4	1465.5	1465.8	1466.1	1466.3	1466.4	1466.4	1466.4	1465.9	1465.4	1465.8
1.5°	1465.4	1466.0	1466.1	1465.6	1465.4	1465.5	1466.1	1466.4	1465.9	1466.6	1466.8
2°	1465.2	1465.6	1465.6	1465.6	1465.9	1466.3	1466.6	1466.6	1465.8	1465.9	1466.2
2.5°	1464.6	1465.0	1465.0	1465.2	1465.2	1464.8	1464.9	1464.8	1466.3	1465.4	1464.8
3°	1463.6	1463.9	1464.5	1464.8	1465.2	1465.3	1465.6	1465.8	1465.4	1465.2	1465.2
3.5°	1462.6	1463.3	1463.9	1465.1	1464.6	1464.9	1465.0	1464.6	1465.0	1464.0	1463.6
4°	1462.0	1463.3	1462.9	1464.2	1463.9	1464.1	1464.0	1463.8	1463.0	1464.6	1463.3
4.5°	1460.4	1461.6	1462.0	1462.9	1463.6	1463.5	1462.9	1463.6	1463.0	1463.1	1461.7
5°	1459.5	1460.6	1461.1	1461.6	1462.5	1462.4	1461.1	1461.6	1462.0	1462.0	1460.7
5.5°	1458.5	1459.6	1460.2	1460.4	1460.9	1460.5	1460.0	1460.0	1460.6	1460.3	1458.9
6°	1457.3	1458.3	1458.6	1459.3	1460.0	1459.3	1459.0	1458.6	1458.7	1458.3	1456.8
6.5°	1455.8	1457.0	1457.2	1457.7	1458.5	1457.9	1458.0	1457.0	1457.0	1456.9	1455.3
7°	1454.4	1455.0	1456.2	1455.9	1456.0	1455.1	1456.4	1455.0	1454.8	1454.7	1453.6
7.5°	1452.3	1453.1	1454.1	1454.9	1454.8	1454.1	1453.7	1453.1	1452.6	1451.4	1451.5
8°	1450.8	1450.8	1452.5	1452.7	1452.6	1452.0	1451.5	1451.1	1450.5	1449.8	1449.4
8.5°	1448.1	1448.4	1450.5	1450.2	1450.5	1450.1	1449.3	1448.7	1447.8	1447.2	1446.1
9°	1446.5	1447.8	1448.0	1448.5	1448.5	1448.0	1446.4	1446.2	1445.1	1445.5	1444.3
9.5°	1443.9	1445.1	1446.2	1445.9	1446.1	1444.8	1443.2	1443.2	1442.5	1441.0	1440.5
10°	1440.9	1442.6	1443.5	1443.5	1443.3	1442.3	1440.7	1439.7	1439.2	1439.5	1438.0
10.5°	1438.3	1439.7	1441.0	1441.1	1440.5	1439.4	1437.5	1436.5	1435.9	1435.7	1434.5
11°	1435.3	1436.2	1437.9	1438.0	1437.5	1436.8	1433.9	1433.5	1433.2	1432.2	1431.1
11.5°	1432.2	1434.1	1434.8	1435.2	1434.0	1433.5	1430.7	1430.4	1429.4	1428.7	1427.4
12°	1429.2	1430.9	1432.2	1432.4	1431.0	1429.8	1427.8	1426.6	1424.6	1425.0	1423.0
12.5°	1426.4	1427.7	1429.0	1429.1	1427.2	1426.4	1424.2	1422.7	1421.1	1420.6	1419.5
13°	1423.0	1424.9	1425.8	1425.3	1423.2	1422.9	1420.1	1418.9	1417.3	1415.8	1415.3
13.5°	1419.2	1421.5	1422.5	1422.1	1419.8	1419.0	1415.4	1414.3	1412.9	1411.3	1410.0
14°	1415.7	1417.8	1418.7	1418.8	1416.0	1414.3	1411.7	1409.9	1408.4	1406.5	1405.9
14.5°	1412.1	1414.1	1414.9	1414.9	1411.6	1410.5	1407.9	1405.3	1403.0	1402.4	1400.6
15°	1408.0	1410.4	1410.9	1410.6	1408.0	1406.3	1403.0	1400.6	1398.5	1397.7	1396.5
15.5°	1404.3	1406.5	1406.6	1405.9	1404.1	1402.0	1397.8	1396.2	1393.4	1392.7	1390.9
16°	1399.7	1402.5	1402.9	1401.9	1399.3	1397.0	1393.2	1390.9	1388.7	1386.9	1385.3
16.5°	1394.7	1398.2	1398.9	1397.8	1394.6	1392.1	1388.0	1385.3	1383.1	1380.9	1380.4
17°	1390.1	1393.9	1393.9	1393.4	1390.4	1387.2	1383.0	1379.7	1377.2	1376.0	1375.3
17.5°	1386.2	1389.0	1389.4	1388.3	1385.5	1381.8	1376.8	1374.2	1371.1	1370.4	1368.8
18°	1381.9	1384.1	1384.8	1383.4	1380.1	1376.6	1371.8	1368.5	1365.4	1363.7	1363.1
18.5°	1376.5	1380.0	1380.4	1378.8	1375.1	1371.3	1366.0	1362.3	1359.8	1357.6	1356.8
19°	1371.4	1375.2	1375.6	1373.4	1370.0	1365.5	1360.6	1356.3	1353.1	1351.2	1350.8
19.5°	1366.3	1369.7	1369.9	1368.1	1364.2	1359.4	1354.2	1350.2	1346.4	1345.5	1343.2
20°	1361.2	1364.3	1364.3	1362.6	1358.6	1353.5	1347.6	1343.5	1340.1	1337.6	1337.0
20.5°	1355.9	1359.2	1359.1	1357.0	1352.9	1347.7	1341.2	1336.7	1333.5	1331.1	1329.9
21°	1350.7	1353.9	1353.6	1351.3	1346.5	1341.3	1335.2	1329.9	1326.8	1323.7	1323.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1332.8	1336.2	1336.4	1333.1	1328.2	1321.9	1314.7	1308.9	1304.6	1302.2	1300.7
23°	1327.5	1330.3	1330.0	1326.9	1321.8	1315.3	1307.7	1301.5	1296.9	1295.3	1293.5
23.5°	1320.8	1324.3	1323.9	1320.6	1315.2	1308.1	1300.6	1293.7	1289.0	1286.7	1285.4
24°	1314.4	1318.1	1317.9	1313.9	1308.2	1301.1	1292.6	1286.0	1281.1	1278.7	1277.7
24.5°	1308.4	1311.6	1311.1	1307.4	1301.0	1293.7	1286.0	1278.6	1273.1	1270.5	1269.1
25°	1302.0	1305.4	1304.3	1300.6	1294.3	1286.2	1278.2	1270.6	1264.8	1261.6	1261.0
25.5°	1295.0	1298.4	1297.7	1293.6	1287.7	1278.7	1270.0	1262.3	1256.8	1253.6	1252.2
26°	1288.2	1291.1	1290.8	1286.0	1280.3	1270.8	1261.8	1253.6	1247.6	1244.1	1243.9
26.5°	1281.0	1284.5	1283.0	1279.4	1272.0	1262.9	1253.3	1245.4	1239.2	1236.0	1234.7
27°	1274.0	1277.9	1276.0	1271.5	1264.3	1255.2	1245.2	1236.8	1230.5	1226.4	1226.4
27.5°	1266.9	1270.6	1269.2	1263.8	1256.6	1246.7	1237.6	1227.9	1220.7	1218.0	1217.1
28°	1259.3	1263.3	1262.0	1256.5	1248.8	1238.6	1227.9	1219.3	1212.1	1208.5	1207.4
28.5°	1251.9	1255.7	1254.5	1249.1	1241.2	1230.5	1219.4	1210.4	1202.3	1198.2	1197.8
29°	1245.0	1248.4	1246.8	1241.1	1232.5	1221.8	1210.8	1201.0	1193.9	1189.7	1188.6
29.5°	1237.3	1240.9	1238.8	1233.5	1224.2	1213.2	1202.3	1191.7	1183.3	1179.9	1179.9
30°	1229.2	1232.4	1231.0	1224.7	1215.9	1204.3	1192.6	1182.3	1174.1	1169.8	1170.1
30.5°	1221.5	1224.5	1222.9	1217.1	1207.4	1195.1	1183.4	1172.7	1163.4	1160.2	1159.5
31°	1213.6	1217.1	1214.6	1208.9	1199.2	1186.5	1173.7	1162.9	1154.6	1150.4	1149.3
31.5°	1205.4	1209.0	1206.6	1200.0	1190.5	1177.7	1164.2	1152.8	1144.4	1139.9	1138.9
32°	1196.5	1200.0	1197.9	1191.0	1181.1	1167.9	1154.8	1143.3	1134.2	1129.4	1129.0
32.5°	1188.1	1191.5	1189.5	1182.1	1172.0	1158.5	1145.3	1133.4	1124.8	1119.0	1118.9
33°	1179.9	1183.3	1180.7	1174.0	1162.9	1149.4	1135.7	1123.1	1114.1	1108.9	1108.7
33.5°	1171.1	1174.5	1172.1	1165.2	1154.0	1139.9	1125.8	1113.2	1103.3	1098.1	1097.8
34°	1162.1	1166.1	1163.2	1155.8	1144.8	1129.8	1115.3	1102.6	1092.8	1087.3	1087.2
34.5°	1152.9	1157.0	1154.3	1146.7	1135.4	1120.1	1105.0	1091.5	1081.9	1076.9	1076.2
35°	1144.3	1148.1	1145.6	1137.6	1125.5	1110.3	1095.1	1081.1	1070.7	1065.9	1065.8
35.5°	1135.5	1138.9	1136.7	1128.4	1115.7	1100.1	1084.6	1070.6	1059.9	1055.1	1054.8
36°	1126.3	1130.3	1126.8	1119.1	1106.3	1090.1	1074.3	1060.0	1048.9	1044.3	1043.8
36.5°	1116.8	1120.4	1117.5	1109.0	1096.8	1080.2	1063.9	1048.9	1038.1	1032.5	1033.1
37°	1107.6	1110.8	1108.0	1099.6	1086.7	1070.1	1053.5	1038.5	1026.5	1021.5	1021.9
37.5°	1098.5	1101.2	1098.4	1090.0	1076.6	1059.7	1042.6	1027.4	1015.8	1010.4	1010.5
38°	1089.6	1091.7	1089.2	1079.8	1066.5	1049.1	1031.7	1016.3	1004.9	998.9	998.7
38.5°	1079.4	1082.1	1078.6	1069.9	1056.1	1038.6	1020.9	1005.0	993.7	988.3	987.8
39°	1068.9	1072.4	1069.0	1059.8	1045.8	1028.2	1010.2	994.0	982.7	976.5	976.0
39.5°	1058.6	1062.9	1059.1	1049.9	1035.2	1017.1	999.4	982.8	970.7	965.4	965.3
40°	1048.6	1052.6	1049.3	1039.1	1024.9	1006.1	987.8	971.7	959.3	953.7	953.8
40.5°	1039.2	1042.4	1039.3	1029.2	1014.3	995.5	976.7	960.2	947.6	942.1	941.7
41°	1029.1	1032.1	1028.9	1018.7	1003.7	984.4	965.7	949.0	936.3	930.7	930.0
41.5°	1018.6	1021.7	1018.2	1008.5	993.0	973.7	954.2	937.3	924.2	918.8	918.7
42°	1008.6	1012.0	1008.1	997.5	982.5	962.9	943.6	926.1	913.3	907.8	907.0
42.5°	998.5	1001.6	997.6	987.5	971.0	951.7	932.2	914.8	901.8	895.8	895.4
43°	987.9	990.9	987.1	976.1	960.2	940.4	920.8	903.1	890.1	884.5	883.9
43.5°	976.9	980.5	976.3	965.9	949.9	929.4	909.3	891.6	878.4	872.5	872.5



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	944.8	948.1	943.9	932.8	916.8	895.6	875.1	856.9	843.5	837.5	837.3
45.5°	934.4	937.3	933.0	921.7	905.1	884.2	863.7	845.3	832.2	825.6	825.7
46°	923.1	926.5	922.2	910.7	893.8	872.8	851.9	833.8	821.0	813.6	814.3
46.5°	911.6	915.1	910.9	899.6	882.6	861.3	840.2	822.3	808.7	802.7	802.9
47°	900.5	904.3	900.5	888.4	871.5	849.9	828.8	810.5	797.0	791.1	790.9
47.5°	889.7	893.0	889.1	877.8	860.5	838.6	817.7	798.6	785.5	779.5	779.2
48°	878.9	882.1	877.8	866.7	849.4	827.0	806.1	787.3	774.3	767.6	768.2
48.5°	867.4	870.3	866.2	855.1	837.8	815.7	794.9	775.9	762.4	756.5	756.7
49°	856.6	860.0	854.9	843.2	826.3	804.3	783.2	764.6	751.2	744.8	744.7
49.5°	845.2	848.2	844.4	832.3	814.6	792.8	771.9	753.0	739.5	733.3	733.7
50°	833.8	837.2	832.7	821.2	803.1	781.2	760.6	741.5	728.7	721.7	722.1
50.5°	822.1	825.7	821.3	810.0	792.0	769.9	749.0	730.0	716.7	710.6	710.4
51°	810.8	814.3	809.6	797.8	780.7	758.4	737.6	719.1	706.1	699.2	698.8
51.5°	799.2	802.8	798.2	786.8	769.2	747.0	725.9	707.6	694.3	688.8	688.1
52°	788.0	791.5	787.1	775.2	757.6	735.9	714.9	696.6	683.4	676.8	677.0
52.5°	776.1	779.5	774.9	763.6	746.0	724.1	703.5	685.4	672.6	666.1	666.0
53°	764.6	768.2	763.7	751.9	734.4	712.7	692.1	674.2	661.6	654.7	654.4
53.5°	753.0	756.2	751.9	740.5	722.8	701.4	680.9	663.1	649.6	644.2	643.4
54°	741.4	744.5	740.4	729.2	711.5	689.9	669.8	651.9	639.1	632.7	632.9
54.5°	729.6	733.1	728.5	717.5	700.4	678.4	658.1	640.7	627.9	621.9	621.8
55°	717.6	721.5	717.2	705.9	688.5	666.9	647.0	629.6	617.3	611.9	610.6
55.5°	706.2	709.6	705.3	694.5	677.4	656.0	635.9	618.4	606.1	600.6	599.7
56°	694.2	697.7	693.9	682.8	666.0	645.1	625.2	607.5	595.6	589.7	589.3
56.5°	682.5	686.2	682.1	671.3	654.6	633.6	613.9	596.9	585.0	579.1	578.7
57°	671.2	674.2	670.2	659.5	642.8	622.4	602.8	586.1	574.0	568.7	568.0
57.5°	659.0	662.9	658.1	648.2	631.8	611.4	591.9	575.2	563.7	558.0	557.4
58°	647.0	650.6	647.1	636.1	619.7	600.3	581.2	564.8	553.2	547.2	547.3
58.5°	635.4	638.9	635.0	624.9	608.7	588.9	570.1	553.9	542.8	537.0	536.7
59°	623.4	627.5	623.3	613.3	597.4	577.9	559.2	543.2	532.7	527.2	526.3
59.5°	611.6	615.1	611.5	601.8	586.1	566.8	548.7	533.2	522.4	517.3	515.5
60°	599.5	603.3	600.0	590.1	574.6	555.8	537.8	523.0	512.2	507.0	505.4
60.5°	587.7	591.1	588.1	578.6	564.0	544.9	527.7	512.9	501.9	496.6	495.2
61°	575.8	579.1	576.3	567.2	552.8	534.3	514.3	502.4	491.6	486.3	485.1
61.5°	564.0	567.8	564.3	555.0	541.1	523.2	503.6	491.8	481.3	475.9	474.9
62°	552.0	556.0	553.1	544.0	529.5	512.0	493.8	481.4	470.9	465.5	464.8
62.5°	540.2	543.7	541.4	532.8	518.7	501.3	483.9	471.0	460.6	455.4	454.6
63°	528.2	532.1	529.5	521.3	507.5	490.5	474.1	460.7	450.9	445.8	445.0
63.5°	516.5	519.9	517.7	509.3	496.3	479.8	464.3	450.7	441.2	436.2	435.5
64°	504.4	507.9	505.5	499.1	485.0	469.0	453.8	441.0	431.6	426.7	425.7
64.5°	492.2	495.8	493.8	495.3	474.1	458.3	443.8	431.0	421.9	416.9	415.9
65°	480.1	483.8	482.1	481.5	463.8	447.6	433.8	421.3	412.3	407.7	406.5
65.5°	467.9	471.8	470.3	467.9	452.6	437.0	423.5	411.5	402.8	398.0	396.9
66°	455.7	459.7	458.6	454.2	441.4	426.7	413.5	401.8	393.5	388.7	387.8





TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	420.2	424.0	423.6	418.3	408.8	396.1	384.0	373.8	365.7	361.1	359.9
68°	408.6	412.4	411.9	407.2	398.0	385.9	374.2	364.3	356.8	352.2	351.0
68.5°	396.6	400.6	400.7	395.6	387.3	375.7	364.7	354.9	347.7	343.5	341.5
69°	384.8	388.9	389.1	385.2	376.7	365.5	355.2	345.7	338.3	334.4	332.9
69.5°	373.0	377.5	377.6	374.1	366.5	355.5	345.6	336.5	329.4	325.3	324.0
70°	361.2	365.7	366.3	363.2	355.9	345.8	336.2	327.2	320.6	316.4	315.1
70.5°	349.4	353.9	354.9	352.0	345.8	336.1	326.9	318.4	312.1	308.0	306.2
71°	337.9	342.0	343.6	341.4	335.2	326.2	317.5	309.5	303.4	299.5	297.8
71.5°	326.2	330.7	332.0	330.3	325.0	316.5	308.4	300.8	294.5	290.8	289.3
72°	314.7	319.1	321.1	319.4	314.7	306.8	299.0	291.9	286.0	282.1	280.6
72.5°	303.2	307.5	310.0	308.7	304.3	297.0	290.1	283.0	277.5	274.1	272.2
73°	291.4	296.1	299.1	298.4	294.5	287.5	280.9	274.3	269.1	265.6	263.6
73.5°	279.6	284.8	287.7	287.7	284.4	278.6	271.9	265.8	260.7	257.3	255.4
74°	268.4	273.2	276.8	277.4	274.5	269.1	263.2	257.3	252.6	249.1	247.2
74.5°	257.1	262.2	265.8	266.7	264.7	259.5	254.5	248.9	244.4	241.2	239.5
75°	245.8	251.0	255.0	256.3	254.9	250.4	245.7	240.7	236.3	233.1	231.2
75.5°	234.4	240.0	244.1	246.0	245.3	241.3	237.1	232.4	228.2	225.3	223.3
76°	223.3	228.7	233.5	236.1	235.3	232.1	228.6	224.3	220.4	217.5	215.3
76.5°	212.3	218.0	222.8	225.8	226.0	223.3	220.0	216.1	212.6	209.9	207.6
77°	201.4	206.9	212.4	215.8	216.7	214.6	211.8	208.0	204.8	202.0	199.8
77.5°	190.3	196.3	202.0	205.8	207.3	206.0	203.5	200.3	197.0	194.6	192.3
78°	179.8	185.6	191.6	196.3	198.1	197.4	195.4	192.5	189.8	187.2	185.0
78.5°	169.0	175.2	181.4	186.5	189.0	188.8	187.2	184.9	182.5	179.9	177.7
79°	158.4	164.8	171.5	177.1	180.0	180.3	179.5	177.3	175.0	172.6	170.4
79.5°	148.1	154.3	161.6	167.6	171.2	172.1	171.8	169.9	167.9	165.7	163.3
80°	138.3	144.3	151.6	158.4	162.6	164.0	163.9	162.6	160.8	158.8	156.4
80.5°	128.1	134.5	142.3	149.3	154.0	156.0	156.4	155.5	154.0	151.8	149.6
81°	118.3	124.8	132.9	140.3	145.6	148.2	149.2	148.4	147.2	145.1	142.9
81.5°	108.7	115.3	123.7	131.5	137.4	140.4	142.0	141.7	140.6	138.8	136.4
82°	99.3	105.8	114.6	123.0	129.3	133.0	134.9	135.0	134.1	132.3	129.9
82.5°	89.7	96.8	106.0	114.6	121.4	125.7	127.9	128.4	127.6	125.9	123.5
83°	81.2	88.0	97.2	106.5	113.7	118.6	121.2	121.9	121.4	120.0	117.5
83.5°	72.7	79.5	88.9	98.6	106.4	111.4	114.7	115.7	115.6	113.9	111.6
84°	64.6	71.3	80.8	90.9	99.1	104.7	108.3	109.7	109.5	108.1	105.8
84.5°	56.5	63.3	73.2	83.4	92.0	98.2	101.9	103.7	103.7	102.5	100.2
85°	49.1	55.7	65.7	76.2	85.4	91.8	95.9	97.9	98.2	97.0	94.6
85.5°	42.7	48.9	58.7	69.5	78.8	85.7	90.0	92.3	92.7	91.5	89.3
86°	36.3	42.7	51.9	63.0	72.7	79.8	84.5	86.9	87.4	86.4	84.1
86.5°	29.9	36.5	46.4	56.8	66.7	74.1	79.0	81.7	82.4	81.4	79.2
87°	23.6	30.3	40.9	50.5	61.0	68.6	73.8	76.7	77.5	76.8	74.4
87.5°	18.1	24.1	35.5	45.7	55.5	63.4	68.7	71.8	72.7	72.0	69.8
88°	13.1	19.0	30.0	41.0	50.2	58.5	63.9	67.1	68.2	67.5	65.3
88.5°	8.8	14.5	24.6	36.2	46.1	53.6	59.2	62.6	63.8	63.2	61.1



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	2.8	5.1	13.6	23.8	33.6	41.8	47.7	50.6	51.9	51.3	49.8
90.5°	1.5	4.2	10.9	20.5	30.0	38.1	44.2	47.4	48.8	48.3	46.7
91°	0.3	3.3	8.8	17.6	26.7	34.5	40.7	44.1	45.6	45.2	43.5
91.5°	0.2	2.3	7.1	15.2	23.8	31.3	37.1	40.9	42.5	42.2	40.3
92°	0.2	1.4	5.8	13.1	21.1	28.4	33.9	37.7	39.3	39.1	37.2
92.5°	0.1	1.1	5.2	11.3	18.8	25.7	31.1	34.6	36.2	36.1	34.4
93°	0.1	0.9	4.5	9.7	16.7	23.3	28.5	32.0	33.6	33.5	31.9
93.5°	0.2	0.7	3.9	8.5	14.9	21.1	26.2	29.5	31.1	31.0	29.6
94°	0.2	0.6	3.3	7.5	13.3	19.1	24.0	27.2	28.8	28.8	27.4
94.5°	0.3	0.5	3.0	6.8	11.9	17.3	21.9	25.1	26.7	26.7	25.4
95°	0.3	0.5	2.7	6.2	10.8	15.8	20.1	23.2	24.7	24.8	23.5
95.5°	0.4	0.5	2.4	5.8	9.8	14.4	18.5	21.4	22.9	23.0	21.8
96°	0.4	0.5	2.2	5.4	9.1	13.3	17.1	19.8	21.3	21.3	20.2
96.5°	0.5	0.6	2.0	5.0	8.5	12.3	15.8	18.4	19.8	19.9	18.9
97°	0.5	0.6	1.8	4.7	8.0	11.4	14.7	17.1	18.5	18.6	17.6
97.5°	0.6	0.6	1.6	4.3	7.6	10.7	13.7	16.0	17.3	17.4	16.6
98°	0.6	0.7	1.5	4.0	7.2	10.1	12.9	15.0	16.2	16.4	15.6
98.5°	0.7	0.7	1.4	3.8	6.7	9.6	12.2	14.1	15.3	15.5	14.8
99°	0.8	0.7	1.2	3.5	6.4	9.2	11.5	13.4	14.5	14.7	14.0
99.5°	0.8	0.8	1.2	3.3	6.0	8.8	11.0	12.8	13.8	14.0	13.4
100°	0.9	0.8	1.1	3.1	5.7	8.4	10.6	12.3	13.2	13.4	12.9
100.5°	1.0	0.9	1.1	2.8	5.4	8.0	10.2	11.8	12.7	12.9	12.4
101°	1.1	1.0	1.1	2.6	5.1	7.6	9.7	11.3	12.2	12.4	11.9
101.5°	1.2	1.0	1.1	2.4	4.8	7.2	9.3	10.9	11.8	12.0	11.5
102°	1.3	1.1	1.1	2.3	4.5	6.9	8.9	10.5	11.4	11.6	11.1
102.5°	1.4	1.2	1.1	2.1	4.3	6.6	8.5	10.1	11.0	11.2	10.7
103°	1.4	1.2	1.1	2.0	4.0	6.2	8.1	9.6	10.5	10.7	10.3
103.5°	1.5	1.2	1.0	1.8	3.7	5.9	7.8	9.3	10.1	10.3	9.9
104°	1.5	1.3	1.0	1.7	3.5	5.6	7.5	8.9	9.7	9.9	9.6
104.5°	1.5	1.3	1.0	1.6	3.3	5.3	7.1	8.5	9.4	9.6	9.2
105°	1.6	1.5	1.0	1.5	3.1	5.1	6.8	8.2	9.0	9.2	8.9
105.5°	1.5	1.7	1.0	1.4	2.9	4.8	6.5	7.8	8.7	8.9	8.5
106°	1.5	1.7	1.0	1.4	2.7	4.5	6.2	7.5	8.4	8.6	8.2
106.5°	1.5	1.5	1.0	1.4	2.5	4.3	5.9	7.2	8.0	8.3	7.9
107°	1.5	1.5	1.1	1.3	2.4	4.0	5.6	6.9	7.7	7.9	7.6
107.5°	1.5	1.5	1.1	1.3	2.3	3.8	5.4	6.6	7.4	7.6	7.3
108°	1.5	1.5	1.1	1.3	2.1	3.6	5.1	6.3	7.1	7.4	7.0
108.5°	1.5	1.5	1.1	1.2	2.0	3.4	4.9	6.0	6.8	7.1	6.8
109°	1.6	1.6	1.2	1.2	1.9	3.2	4.6	5.8	6.6	6.8	6.5
109.5°	1.6	1.6	1.2	1.2	1.8	3.1	4.3	5.5	6.3	6.5	6.2
110°	1.6	1.6	1.2	1.1	1.7	2.9	4.1	5.3	6.0	6.2	6.0
110.5°	1.6	1.6	1.2	1.1	1.7	2.7	3.9	5.0	5.8	6.0	5.8
111°	1.6	1.6	1.3	1.2	1.6	2.6	3.7	4.8	5.5	5.7	5.5



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.6	1.6	1.4	1.2	1.5	2.2	3.2	4.1	4.8	5.0	4.9
113°	1.6	1.6	1.4	1.3	1.5	2.1	3.0	3.9	4.6	4.8	4.6
113.5°	1.7	1.6	1.5	1.3	1.5	2.0	2.8	3.7	4.4	4.6	4.4
114°	1.7	1.6	1.5	1.3	1.4	1.9	2.7	3.6	4.2	4.4	4.2
114.5°	1.7	1.6	1.6	1.3	1.4	1.9	2.6	3.4	4.0	4.2	4.1
115°	1.7	1.6	1.6	1.4	1.3	1.8	2.5	3.2	3.8	4.0	3.9
115.5°	1.7	1.7	1.6	1.4	1.3	1.8	2.4	3.1	3.6	3.8	3.7
116°	1.7	1.7	1.7	1.4	1.3	1.8	2.3	2.9	3.5	3.7	3.6
116.5°	1.7	1.7	1.8	1.4	1.4	1.7	2.2	2.8	3.3	3.5	3.4
117°	1.7	1.8	1.9	1.5	1.4	1.7	2.1	2.7	3.2	3.4	3.3
117.5°	1.7	1.8	2.0	1.5	1.4	1.7	2.1	2.6	3.0	3.2	3.2
118°	1.7	1.9	2.1	1.5	1.4	1.6	2.0	2.5	2.9	3.1	3.1
118.5°	1.8	1.9	2.1	1.5	1.4	1.6	2.0	2.4	2.8	3.0	3.0
119°	1.8	1.9	2.1	1.6	1.5	1.5	2.0	2.4	2.7	2.9	2.9
119.5°	1.8	1.9	2.0	1.6	1.5	1.5	1.9	2.3	2.6	2.8	2.8
120°	1.8	1.9	2.0	1.6	1.5	1.5	1.9	2.2	2.6	2.8	2.7
120.5°	1.8	2.0	2.0	1.7	1.5	1.5	1.8	2.2	2.5	2.7	2.7
121°	1.8	2.0	2.0	1.7	1.6	1.6	1.7	2.1	2.4	2.6	2.6
121.5°	1.9	2.0	2.0	1.7	1.6	1.6	1.7	2.1	2.4	2.6	2.6
122°	1.9	2.0	2.0	1.8	1.6	1.6	1.6	2.0	2.3	2.5	2.5
122.5°	1.9	2.0	2.1	1.8	1.7	1.6	1.6	2.0	2.3	2.5	2.5
123°	1.9	2.0	2.1	1.9	1.7	1.7	1.6	1.9	2.2	2.4	2.4
123.5°	1.9	2.1	2.1	1.9	1.7	1.7	1.6	1.8	2.2	2.4	2.4
124°	2.0	2.1	2.2	2.0	1.8	1.7	1.6	1.8	2.1	2.3	2.3
124.5°	2.0	2.1	2.2	2.0	1.8	1.8	1.7	1.7	2.1	2.3	2.3
125°	2.0	2.1	2.2	2.0	1.8	1.8	1.7	1.7	2.0	2.2	2.2
125.5°	2.0	2.1	2.2	2.1	1.9	1.8	1.7	1.8	2.0	2.2	2.2
126°	2.0	2.1	2.2	2.2	1.9	1.8	1.7	1.8	2.0	2.1	2.2
126.5°	2.0	2.1	2.2	2.3	1.9	1.8	1.8	1.8	2.0	2.2	2.2
127°	2.1	2.1	2.2	2.3	2.0	1.9	1.8	1.9	2.0	2.2	2.2
127.5°	2.1	2.1	2.2	2.4	2.0	1.9	1.9	1.9	2.0	2.2	2.3
128°	2.1	2.1	2.2	2.5	2.0	1.9	1.9	1.9	2.1	2.2	2.3
128.5°	2.1	2.1	2.2	2.5	2.1	2.0	1.9	2.0	2.1	2.2	2.3
129°	2.1	2.1	2.2	2.5	2.1	2.0	2.0	2.0	2.2	2.3	2.4
129.5°	2.2	2.2	2.2	2.6	2.2	2.0	2.0	2.1	2.2	2.3	2.4
130°	2.2	2.2	2.1	2.5	2.2	2.1	2.1	2.1	2.2	2.4	2.4
130.5°	2.2	2.2	2.2	2.5	2.3	2.1	2.1	2.2	2.3	2.4	2.5
131°	2.2	2.2	2.2	2.6	2.3	2.2	2.1	2.2	2.3	2.4	2.5
131.5°	2.2	2.2	2.2	2.6	2.4	2.2	2.2	2.3	2.4	2.5	2.6
132°	2.2	2.2	2.2	2.6	2.4	2.3	2.2	2.3	2.4	2.5	2.6
132.5°	2.2	2.2	2.2	2.7	2.5	2.3	2.3	2.4	2.4	2.5	2.6
133°	2.2	2.3	2.2	2.7	2.6	2.4	2.3	2.4	2.5	2.6	2.7
133.5°	2.2	2.3	2.3	2.7	2.7	2.4	2.4	2.5	2.5	2.6	2.7



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.3	2.3	2.3	2.8	2.9	2.6	2.6	2.6	2.6	2.7	2.8
135.5°	2.3	2.4	2.4	2.8	3.0	2.7	2.6	2.6	2.7	2.8	2.9
136°	2.2	2.4	2.4	2.8	3.0	2.7	2.7	2.7	2.7	2.8	2.9
136.5°	2.2	2.3	2.4	2.8	3.0	2.8	2.7	2.7	2.8	2.8	3.0
137°	2.2	2.3	2.5	2.7	3.0	2.8	2.8	2.8	2.8	2.9	3.0
137.5°	2.3	2.4	2.5	2.7	3.0	2.9	2.8	2.8	2.8	2.9	3.1
138°	2.3	2.5	2.5	2.7	3.0	3.0	2.9	2.9	2.9	3.0	3.1
138.5°	2.3	2.5	2.5	2.6	3.0	3.2	2.9	2.9	2.9	3.0	3.2
139°	2.3	2.5	2.5	2.6	3.1	3.3	3.0	3.0	3.0	3.0	3.2
139.5°	2.3	2.5	2.6	2.6	3.1	3.3	3.0	3.0	3.0	3.1	3.3
140°	2.3	2.6	2.6	2.6	3.1	3.3	3.0	3.0	3.0	3.1	3.3
140.5°	2.3	2.6	2.6	2.6	3.2	3.4	3.1	3.1	3.1	3.2	3.4
141°	2.3	2.6	2.6	2.6	3.2	3.4	3.2	3.1	3.1	3.2	3.4
141.5°	2.3	2.6	2.6	2.6	3.2	3.4	3.3	3.1	3.2	3.3	3.5
142°	2.3	2.6	2.6	2.6	3.2	3.5	3.4	3.2	3.2	3.3	3.5
142.5°	2.3	2.7	2.6	2.6	3.1	3.5	3.5	3.2	3.3	3.4	3.6
143°	2.3	2.7	2.7	2.5	3.1	3.4	3.6	3.3	3.3	3.4	3.7
143.5°	2.3	2.7	2.7	2.5	3.1	3.4	3.6	3.4	3.4	3.5	3.7
144°	2.3	2.7	2.7	2.5	3.0	3.4	3.6	3.5	3.4	3.6	3.8
144.5°	2.3	2.7	2.7	2.5	3.0	3.4	3.6	3.6	3.5	3.6	3.8
145°	2.3	2.7	2.7	2.5	3.0	3.4	3.6	3.7	3.6	3.7	3.9
145.5°	2.3	2.7	2.7	2.5	2.9	3.4	3.7	3.8	3.7	3.7	4.0
146°	2.3	2.7	2.7	2.5	2.9	3.4	3.6	3.8	3.8	3.8	4.1
146.5°	2.3	2.7	2.7	2.5	2.9	3.4	3.6	3.9	4.0	4.0	4.2
147°	2.3	2.7	2.7	2.5	2.8	3.4	3.6	3.8	4.0	4.1	4.3
147.5°	2.3	2.7	2.7	2.5	2.8	3.4	3.5	3.8	4.0	4.2	4.4
148°	2.3	2.7	2.8	2.5	2.8	3.3	3.5	3.8	4.0	4.2	4.3
148.5°	2.3	2.7	2.8	2.5	2.7	3.3	3.6	3.8	4.0	4.2	4.3
149°	2.3	2.7	2.8	2.5	2.7	3.3	3.6	3.8	4.0	4.2	4.3
149.5°	2.2	2.7	2.8	2.5	2.7	3.2	3.6	3.8	4.0	4.2	4.3
150°	2.3	2.7	2.8	2.5	2.7	3.2	3.5	3.7	4.0	4.2	4.3
150.5°	2.3	2.6	2.8	2.6	2.6	3.2	3.5	3.7	4.0	4.1	4.2
151°	2.1	2.6	2.8	2.6	2.6	3.1	3.5	3.7	3.9	4.0	4.2
151.5°	2.1	2.6	2.8	2.6	2.6	3.0	3.5	3.7	3.9	4.0	4.2
152°	2.0	2.6	2.8	2.6	2.6	3.0	3.4	3.7	3.9	4.0	4.2
152.5°	2.1	2.5	2.8	2.6	2.6	2.9	3.4	3.7	3.9	4.0	4.2
153°	2.0	2.5	2.8	2.6	2.6	2.9	3.3	3.7	3.9	4.0	4.1
153.5°	1.9	2.5	2.8	2.7	2.6	2.8	3.3	3.6	3.8	4.0	4.0
154°	1.7	2.4	2.8	2.7	2.6	2.8	3.2	3.5	3.7	3.9	4.0
154.5°	1.7	2.4	2.8	2.7	2.6	2.8	3.1	3.5	3.7	3.8	3.9
155°	1.7	2.4	2.8	2.7	2.7	2.8	3.1	3.4	3.6	3.7	3.8
155.5°	1.7	2.4	2.8	2.7	2.7	2.8	3.0	3.3	3.5	3.7	3.7
156°	1.6	2.4	2.8	2.7	2.7	2.8	3.0	3.3	3.5	3.6	3.6



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9
0.5°	1466.2	1466.2	1466.1	1465.9	1465.8	1465.6	1465.4	1465.3	1465.3	1465.3	1465.4
1°	1466.2	1466.4	1466.6	1466.7	1466.6	1466.3	1465.9	1465.5	1465.2	1465.0	1464.9
1.5°	1466.6	1466.5	1466.1	1465.4	1464.9	1464.9	1464.9	1464.8	1464.4	1464.2	1464.2
2°	1466.6	1465.5	1464.2	1464.3	1464.2	1463.7	1463.5	1463.5	1463.3	1463.1	1463.1
2.5°	1465.4	1465.2	1465.4	1464.5	1464.4	1464.1	1463.2	1463.0	1462.8	1462.6	1462.2
3°	1464.8	1464.5	1464.2	1463.5	1463.5	1463.3	1462.9	1462.4	1461.3	1460.3	1460.6
3.5°	1463.7	1463.3	1463.3	1463.4	1462.7	1461.6	1461.4	1461.6	1459.9	1459.2	1459.0
4°	1463.3	1462.7	1462.1	1462.1	1461.9	1461.2	1460.1	1460.4	1459.5	1458.2	1457.3
4.5°	1460.7	1461.5	1460.1	1461.0	1461.0	1460.0	1458.8	1458.1	1457.6	1456.6	1455.9
5°	1460.1	1460.0	1459.8	1459.0	1459.4	1458.8	1457.8	1456.9	1456.4	1455.4	1453.6
5.5°	1459.2	1458.6	1458.3	1457.5	1457.8	1456.8	1456.6	1455.6	1455.0	1453.9	1451.9
6°	1457.5	1456.9	1456.2	1455.9	1455.7	1455.2	1454.8	1453.7	1452.9	1452.1	1449.5
6.5°	1455.5	1454.9	1454.6	1454.0	1453.6	1454.2	1453.2	1451.9	1450.3	1450.2	1447.5
7°	1453.7	1452.7	1453.2	1452.2	1452.0	1452.1	1451.4	1449.6	1448.0	1447.4	1445.6
7.5°	1451.2	1450.6	1450.8	1450.8	1449.6	1449.7	1448.8	1448.0	1445.6	1445.2	1443.6
8°	1448.9	1448.6	1448.2	1448.3	1447.9	1447.9	1446.0	1445.1	1443.5	1442.9	1440.5
8.5°	1446.0	1446.0	1445.6	1445.4	1445.8	1444.9	1444.7	1442.8	1441.8	1440.0	1437.9
9°	1443.1	1443.4	1443.0	1443.0	1443.4	1442.2	1441.8	1440.7	1438.5	1437.1	1435.2
9.5°	1440.7	1440.8	1440.0	1440.1	1440.2	1440.0	1438.6	1437.4	1435.1	1434.0	1431.6
10°	1437.4	1437.6	1436.9	1437.8	1437.4	1436.1	1436.2	1434.7	1432.5	1431.0	1428.4
10.5°	1434.2	1434.6	1433.2	1434.8	1434.3	1433.5	1433.6	1432.0	1429.9	1427.3	1425.4
11°	1430.2	1431.4	1430.8	1432.0	1431.4	1430.9	1430.5	1428.9	1426.4	1423.7	1421.5
11.5°	1426.5	1427.8	1427.0	1428.1	1428.0	1428.1	1427.0	1425.1	1422.5	1420.6	1417.6
12°	1422.9	1423.7	1423.4	1424.1	1425.0	1424.2	1423.5	1421.8	1419.5	1417.4	1413.9
12.5°	1419.1	1420.1	1420.0	1420.2	1421.5	1420.6	1419.9	1418.4	1416.2	1413.0	1410.5
13°	1415.0	1416.0	1415.6	1416.1	1417.1	1416.7	1416.6	1414.9	1412.9	1409.0	1406.6
13.5°	1410.4	1411.0	1411.1	1412.4	1413.1	1412.8	1412.7	1411.0	1408.2	1404.8	1401.6
14°	1405.6	1406.7	1407.4	1408.5	1409.2	1409.0	1408.7	1407.5	1404.0	1400.7	1397.2
14.5°	1400.8	1402.0	1402.9	1404.0	1405.1	1405.0	1404.6	1403.1	1400.5	1396.1	1392.6
15°	1395.9	1397.8	1398.2	1399.5	1401.3	1400.6	1400.6	1398.4	1396.3	1391.1	1387.9
15.5°	1390.7	1393.2	1393.8	1395.2	1396.9	1395.9	1396.4	1394.0	1391.3	1386.7	1383.2
16°	1385.2	1387.7	1388.7	1390.2	1391.9	1391.7	1391.7	1389.9	1386.6	1382.7	1378.5
16.5°	1380.0	1382.6	1383.6	1385.2	1386.8	1387.2	1386.7	1385.6	1382.3	1377.9	1373.1
17°	1374.4	1376.8	1378.1	1380.0	1382.2	1382.1	1382.0	1380.9	1377.3	1372.6	1367.4
17.5°	1368.6	1371.5	1373.0	1374.7	1377.5	1377.6	1378.0	1375.7	1372.2	1367.5	1362.1
18°	1363.0	1365.2	1367.7	1370.1	1372.1	1372.1	1372.5	1370.3	1366.7	1362.2	1356.4
18.5°	1356.7	1358.8	1362.2	1364.3	1366.8	1366.6	1366.6	1365.4	1361.5	1356.2	1350.3
19°	1350.1	1352.5	1355.9	1358.1	1361.3	1361.6	1361.7	1360.1	1356.6	1350.5	1344.8
19.5°	1343.5	1346.4	1349.7	1352.7	1355.4	1355.8	1356.2	1354.5	1350.9	1344.9	1338.6
20°	1337.7	1340.7	1343.8	1346.8	1349.5	1350.6	1350.5	1349.1	1345.2	1339.1	1332.5
20.5°	1330.9	1333.9	1337.7	1340.3	1343.9	1344.5	1344.6	1343.6	1339.5	1333.2	1326.2
21°	1323.8	1327.7	1330.7	1334.0	1337.5	1339.0	1339.0	1337.4	1333.5	1326.7	1319.9



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1302.0	1305.6	1310.2	1315.0	1318.6	1320.6	1320.5	1318.5	1314.6	1307.1	1300.2
23°	1294.4	1298.4	1303.4	1307.9	1311.9	1313.8	1314.0	1311.9	1308.2	1301.0	1292.7
23.5°	1286.7	1290.9	1296.0	1300.4	1305.6	1307.7	1307.8	1305.8	1301.4	1294.6	1285.8
24°	1278.5	1283.7	1288.3	1293.6	1298.3	1300.6	1301.0	1299.3	1294.9	1287.6	1278.7
24.5°	1270.5	1275.6	1281.0	1286.1	1291.1	1293.9	1294.7	1292.6	1288.0	1280.3	1271.3
25°	1262.8	1267.5	1273.6	1278.8	1283.9	1287.1	1288.0	1285.7	1281.0	1272.9	1263.6
25.5°	1254.4	1259.8	1265.5	1271.0	1276.4	1279.8	1280.6	1278.5	1273.8	1265.7	1256.4
26°	1246.0	1251.6	1257.7	1263.1	1269.2	1272.4	1273.1	1271.8	1266.7	1258.2	1248.5
26.5°	1237.5	1242.8	1249.3	1255.3	1262.0	1265.4	1265.9	1264.4	1259.0	1250.8	1240.7
27°	1228.5	1234.6	1241.1	1247.5	1253.8	1257.6	1258.5	1256.5	1251.8	1243.1	1232.8
27.5°	1219.8	1225.6	1232.8	1239.3	1246.4	1249.8	1250.8	1249.1	1244.2	1235.4	1224.6
28°	1210.5	1217.2	1223.8	1231.5	1238.1	1241.7	1242.9	1241.5	1236.3	1227.5	1216.2
28.5°	1201.5	1208.0	1215.5	1223.1	1229.7	1234.1	1235.3	1234.0	1228.5	1219.3	1208.4
29°	1192.1	1199.0	1207.0	1214.0	1222.0	1226.6	1227.7	1225.8	1220.5	1211.3	1199.8
29.5°	1182.3	1189.2	1197.8	1205.4	1213.5	1217.8	1220.0	1217.9	1212.1	1203.0	1190.9
30°	1173.2	1180.4	1188.9	1197.1	1205.0	1210.4	1211.1	1209.7	1203.7	1194.5	1182.4
30.5°	1163.6	1170.2	1179.7	1188.6	1196.3	1201.6	1202.6	1201.0	1196.2	1185.9	1173.5
31°	1153.0	1161.3	1170.6	1179.2	1187.8	1192.6	1194.8	1193.4	1187.4	1177.0	1164.8
31.5°	1143.0	1151.7	1161.1	1169.8	1179.3	1184.4	1186.1	1184.4	1178.4	1168.8	1155.9
32°	1133.1	1141.5	1151.4	1161.1	1169.8	1175.5	1177.1	1176.0	1170.3	1159.8	1146.7
32.5°	1122.9	1132.0	1142.2	1151.7	1160.6	1166.8	1168.7	1167.5	1161.1	1151.0	1137.7
33°	1112.7	1121.6	1132.5	1142.3	1152.2	1157.6	1160.1	1158.3	1152.5	1142.0	1127.9
33.5°	1102.2	1111.6	1122.4	1133.1	1142.6	1148.8	1150.6	1149.7	1143.5	1132.6	1118.6
34°	1091.8	1101.3	1112.5	1123.3	1132.7	1139.5	1141.7	1141.1	1134.5	1123.4	1109.2
34.5°	1081.6	1090.9	1102.5	1113.4	1123.5	1130.6	1132.7	1131.6	1124.8	1114.4	1100.8
35°	1070.8	1080.1	1092.3	1103.3	1114.2	1120.9	1123.7	1122.2	1115.9	1104.9	1091.5
35.5°	1059.4	1070.1	1082.0	1093.4	1104.5	1110.9	1114.1	1112.9	1106.7	1096.0	1081.2
36°	1048.5	1059.3	1071.7	1083.8	1094.2	1101.9	1104.7	1103.9	1097.4	1085.9	1070.9
36.5°	1037.7	1048.2	1061.4	1073.8	1084.6	1092.5	1095.3	1094.6	1087.5	1075.9	1060.6
37°	1026.7	1037.7	1050.7	1062.8	1075.2	1082.9	1085.5	1084.6	1077.6	1065.9	1050.3
37.5°	1015.9	1026.6	1040.2	1053.0	1064.8	1073.0	1075.7	1074.7	1067.7	1055.9	1040.1
38°	1004.5	1016.0	1029.8	1043.0	1055.0	1062.7	1065.8	1064.8	1057.8	1045.9	1029.9
38.5°	993.7	1004.6	1019.2	1032.2	1043.9	1052.5	1056.0	1054.8	1047.9	1035.8	1019.4
39°	982.3	994.0	1008.2	1021.5	1034.0	1042.2	1045.8	1044.7	1037.7	1025.6	1009.3
39.5°	971.4	982.7	997.2	1010.9	1023.6	1032.1	1035.3	1034.3	1027.3	1015.6	998.5
40°	959.7	971.3	986.2	1000.3	1013.1	1022.0	1025.4	1024.1	1017.3	1005.0	988.1
40.5°	947.9	960.2	974.8	989.9	1002.2	1011.6	1015.0	1013.6	1006.9	994.8	977.7
41°	936.3	948.6	963.9	978.6	992.0	1000.7	1004.3	1003.4	996.5	984.6	967.1
41.5°	925.3	937.4	952.9	967.6	980.9	990.2	994.0	993.0	986.3	973.5	955.9
42°	914.0	926.6	941.8	956.7	970.2	979.4	983.0	982.8	975.4	962.4	945.1
42.5°	902.6	915.1	930.6	945.8	959.1	968.6	972.6	971.9	965.0	952.0	934.0
43°	891.0	902.9	919.1	934.7	948.4	958.6	961.8	961.1	954.0	941.4	924.1
43.5°	879.0	892.1	908.0	923.6	937.7	947.2	951.0	950.3	943.0	930.5	912.8





TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	844.8	857.6	873.9	889.8	904.8	914.4	918.1	917.7	910.6	897.2	879.4
45.5°	832.7	845.7	862.5	878.7	892.9	902.7	907.4	906.7	899.1	886.1	868.1
46°	821.1	833.9	851.0	867.1	881.6	892.1	895.9	895.4	887.8	875.2	857.0
46.5°	809.4	822.8	839.0	855.6	870.0	880.5	884.6	884.0	876.7	864.0	845.9
47°	798.0	810.7	827.6	844.5	859.2	869.7	873.7	872.8	865.4	852.6	834.4
47.5°	786.3	800.0	816.1	832.8	847.9	858.5	861.7	861.6	854.3	841.2	823.1
48°	774.8	787.6	804.5	821.3	836.4	846.9	850.5	849.9	842.9	830.1	811.8
48.5°	763.4	776.3	793.5	810.1	824.4	835.0	839.0	838.7	831.5	818.6	800.0
49°	751.6	765.0	782.1	798.4	813.6	823.8	827.7	827.4	820.4	807.0	788.9
49.5°	740.4	753.6	770.5	786.8	801.5	812.8	816.6	815.8	808.7	795.5	777.7
50°	729.1	741.6	758.8	774.9	790.6	801.1	805.1	804.4	797.2	784.3	766.1
50.5°	717.6	730.3	747.2	763.8	778.8	789.6	793.4	792.8	785.9	772.6	754.3
51°	706.0	718.9	735.7	752.5	767.5	777.7	781.6	781.1	773.7	761.0	743.0
51.5°	695.0	708.1	724.1	740.9	755.6	766.6	769.9	769.6	762.4	749.8	731.4
52°	683.7	696.1	712.8	729.0	744.2	754.2	758.6	758.0	750.8	737.7	719.9
52.5°	672.6	684.9	701.3	717.6	732.5	742.9	747.1	747.4	739.1	725.9	708.3
53°	661.5	673.7	689.7	706.2	721.1	731.1	736.1	735.6	727.3	714.5	697.0
53.5°	650.2	662.7	678.6	694.6	709.5	719.8	725.5	722.6	715.7	703.2	685.4
54°	639.1	650.5	667.4	683.0	697.9	707.8	713.0	710.8	703.6	691.2	674.1
54.5°	628.3	639.9	655.8	671.6	685.8	696.5	700.0	699.1	692.1	679.8	662.6
55°	616.9	629.0	644.5	660.2	674.5	684.6	688.2	687.1	680.2	668.1	650.9
55.5°	605.7	617.9	633.6	648.8	662.6	672.9	676.0	675.1	668.2	656.3	639.2
56°	594.9	606.6	622.2	637.1	651.0	660.7	664.3	664.7	656.8	644.5	627.8
56.5°	584.2	595.6	610.8	625.7	639.5	648.9	653.1	652.7	645.2	632.9	616.4
57°	573.7	584.6	599.3	614.5	627.9	637.3	642.7	639.4	633.6	621.3	604.8
57.5°	562.8	574.0	588.1	603.5	616.2	625.7	630.3	627.8	620.9	609.4	593.4
58°	552.0	563.1	577.4	592.0	604.3	613.9	616.6	615.9	609.2	597.8	581.9
58.5°	541.6	552.1	566.0	580.1	592.7	601.9	604.8	604.3	597.3	586.5	570.3
59°	531.3	541.3	554.7	568.5	581.4	590.1	593.2	592.6	585.8	574.4	558.7
59.5°	520.6	530.9	543.8	557.3	569.9	579.0	582.3	579.8	573.6	562.6	547.6
60°	510.4	520.3	532.9	546.4	559.2	567.4	570.0	568.0	561.8	551.1	535.8
60.5°	500.1	509.7	522.2	535.1	547.9	554.9	556.9	556.2	549.5	539.3	524.6
61°	489.8	499.1	511.6	524.0	535.6	542.6	544.8	544.4	537.9	527.4	513.2
61.5°	479.5	488.4	500.7	513.3	523.6	531.2	533.3	532.0	525.6	515.6	501.5
62°	469.2	477.8	489.8	502.0	515.6	520.7	522.3	520.3	513.8	504.2	490.2
62.5°	458.8	467.1	478.8	491.0	503.3	516.9	507.0	508.0	502.1	492.6	478.7
63°	448.6	456.9	467.7	479.5	492.0	502.5	495.2	496.4	490.4	480.9	468.0
63.5°	438.9	446.7	456.9	467.8	479.3	488.6	483.8	484.2	478.1	469.4	456.6
64°	429.2	436.6	446.3	456.5	466.5	474.7	472.3	472.0	466.5	457.8	445.3
64.5°	419.3	426.3	435.8	445.6	454.7	460.9	460.7	460.1	454.7	446.0	434.0
65°	409.6	416.4	425.6	434.8	443.1	448.5	448.9	448.5	443.0	434.4	423.2
65.5°	400.0	406.6	415.1	423.8	431.7	436.5	437.6	436.4	431.1	423.0	411.9
66°	390.3	396.7	404.5	413.2	420.4	426.0	425.9	424.4	419.4	411.5	400.6



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	362.4	367.3	374.5	381.3	387.1	390.4	390.0	389.0	384.2	377.3	367.9
68°	352.9	357.8	364.4	370.6	375.9	379.1	378.1	377.3	372.5	365.7	356.5
68.5°	343.8	348.2	354.1	360.0	364.8	367.5	366.9	365.4	360.6	354.3	345.9
69°	334.5	338.5	344.3	349.4	353.7	356.1	355.0	353.5	348.9	343.2	335.0
69.5°	325.2	328.9	334.4	339.2	343.1	345.0	343.5	341.5	337.5	332.0	324.5
70°	316.0	319.7	324.6	329.0	332.3	333.3	331.5	330.1	326.0	320.7	313.7
70.5°	307.3	310.5	315.0	318.7	321.3	321.8	320.0	318.5	314.1	309.7	302.9
71°	298.6	301.4	305.3	308.6	310.6	310.8	308.3	307.0	303.1	298.3	292.2
71.5°	289.7	292.4	295.6	298.3	299.9	299.5	296.9	295.3	291.5	287.4	281.8
72°	280.9	283.2	286.0	288.3	289.3	288.4	285.6	283.8	280.0	276.3	271.4
72.5°	272.3	274.0	276.6	278.2	279.0	277.5	274.2	272.2	268.7	265.5	261.1
73°	263.6	265.0	267.1	268.3	268.6	266.4	262.8	260.8	257.4	254.6	250.6
73.5°	255.2	256.2	257.9	258.6	258.2	255.6	251.7	249.5	246.4	243.8	240.5
74°	247.0	247.6	248.9	249.0	247.8	244.8	240.5	238.3	235.4	233.1	230.3
74.5°	238.6	239.0	239.7	239.3	237.5	234.1	229.3	226.9	224.3	222.3	220.4
75°	230.3	230.3	230.5	229.4	227.3	223.5	218.4	215.9	213.5	212.0	210.5
75.5°	222.2	221.9	221.6	220.1	217.4	212.9	207.5	204.9	202.5	201.7	200.9
76°	214.2	213.6	212.7	210.7	207.5	202.5	196.7	194.0	191.9	191.4	190.9
76.5°	206.3	205.2	204.0	201.3	197.8	192.2	185.9	183.1	181.3	181.3	181.6
77°	198.3	197.0	195.5	192.6	187.9	182.0	175.6	172.5	170.9	171.2	172.1
77.5°	190.6	188.9	187.0	183.4	178.3	171.9	165.0	162.0	160.4	161.6	163.0
78°	183.0	181.1	178.5	174.5	169.0	162.0	154.9	151.6	150.4	151.7	153.4
78.5°	175.5	173.2	170.3	165.9	159.8	152.3	144.8	141.4	140.4	142.1	144.8
79°	168.2	165.7	162.2	157.3	150.7	142.7	135.0	131.8	130.9	133.3	136.5
79.5°	160.9	158.0	154.2	148.6	141.8	133.3	125.0	122.2	121.5	124.5	128.2
80°	153.7	150.7	146.5	140.4	132.9	123.9	115.6	112.5	112.1	115.6	119.9
80.5°	146.8	143.3	138.8	132.0	124.3	115.1	106.3	102.9	102.7	106.8	111.6
81°	140.1	136.3	131.3	124.3	115.9	106.3	97.3	93.7	93.8	97.9	103.3
81.5°	133.3	129.3	124.0	116.5	107.9	97.8	88.4	84.4	85.2	89.6	95.5
82°	126.7	122.4	116.9	109.2	99.8	89.4	79.9	75.7	76.6	81.5	87.9
82.5°	120.2	115.8	109.9	101.7	92.1	81.4	71.7	67.7	68.5	73.9	80.7
83°	114.1	109.4	103.2	94.8	84.7	73.6	63.8	59.6	60.9	66.6	73.7
83.5°	108.0	103.3	96.7	87.9	77.5	66.3	56.3	52.1	53.7	59.4	67.1
84°	102.1	97.2	90.4	81.3	70.6	59.1	49.1	44.8	46.5	52.6	60.7
84.5°	96.5	91.3	84.2	74.8	64.0	52.4	43.0	38.0	39.8	46.2	54.7
85°	90.8	85.6	78.2	68.9	57.8	46.8	37.0	31.6	33.5	40.3	49.0
85.5°	85.4	80.0	72.6	63.1	51.9	41.4	30.9	25.6	27.8	34.8	43.7
86°	80.2	74.8	67.3	57.6	47.1	35.9	24.8	21.3	22.5	29.8	38.8
86.5°	75.3	69.8	62.1	52.5	42.3	30.4	19.6	16.9	19.0	25.1	34.2
87°	70.5	64.9	57.1	48.2	37.6	24.9	15.1	12.6	15.5	21.1	29.9
87.5°	65.8	60.1	52.6	44.0	32.8	20.7	11.3	8.3	12.0	18.4	26.1
88°	61.4	55.8	48.6	39.7	28.0	17.0	8.1	4.0	8.5	15.7	22.7
88.5°	57.2	51.3	44.8	35.4	24.3	13.9	5.6	1.8	5.2	13.1	19.7



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	46.3	40.9	33.5	24.7	15.5	7.2	2.5	0.6	2.2	6.5	13.8
90.5°	43.1	37.5	30.3	21.9	13.2	5.8	1.5	0.4	1.9	5.6	12.2
91°	39.8	34.4	27.5	19.4	11.4	5.1	1.1	0.3	1.6	4.9	10.6
91.5°	36.6	31.5	24.9	17.2	9.8	4.5	0.9	0.2	1.4	4.5	9.0
92°	33.8	28.8	22.4	15.3	8.6	3.9	0.7	0.2	1.3	4.1	8.2
92.5°	31.1	26.4	20.3	13.6	7.5	3.2	0.6	0.3	1.2	3.9	7.6
93°	28.8	24.2	18.5	12.2	6.7	2.9	0.5	0.3	1.1	3.6	7.1
93.5°	26.6	22.2	16.7	11.0	6.1	2.6	0.5	0.4	1.0	3.4	6.8
94°	24.5	20.3	15.2	10.0	5.7	2.4	0.5	0.4	1.0	3.4	6.5
94.5°	22.6	18.7	13.9	9.2	5.3	2.2	0.5	0.5	1.0	3.3	6.2
95°	20.9	17.2	12.8	8.5	5.0	2.0	0.5	0.6	1.0	3.3	6.0
95.5°	19.3	15.9	11.8	8.0	4.7	1.8	0.6	0.6	1.0	3.2	5.8
96°	17.9	14.7	11.1	7.6	4.4	1.7	0.7	0.7	1.0	3.1	5.6
96.5°	16.7	13.8	10.4	7.2	4.1	1.6	0.8	0.8	1.0	3.0	5.5
97°	15.6	12.9	9.9	6.8	3.9	1.5	0.8	0.9	1.0	2.9	5.4
97.5°	14.7	12.2	9.4	6.5	3.7	1.4	0.9	0.9	1.0	2.8	5.4
98°	13.9	11.6	9.0	6.2	3.5	1.3	1.0	1.0	1.0	2.7	5.3
98.5°	13.2	11.1	8.6	5.9	3.3	1.3	1.0	1.1	1.1	2.6	5.2
99°	12.6	10.6	8.3	5.6	3.1	1.3	1.1	1.3	1.2	2.6	5.1
99.5°	12.1	10.2	7.9	5.3	2.9	1.2	1.2	1.4	1.3	2.6	5.0
100°	11.6	9.9	7.6	5.1	2.8	1.2	1.3	1.5	1.3	2.6	4.9
100.5°	11.2	9.4	7.3	4.8	2.6	1.2	1.3	1.6	1.4	2.6	4.7
101°	10.8	9.1	6.9	4.5	2.5	1.2	1.4	1.7	1.5	2.5	4.6
101.5°	10.4	8.7	6.6	4.3	2.3	1.2	1.5	1.8	1.6	2.4	4.5
102°	10.0	8.4	6.3	4.1	2.2	1.2	1.5	1.9	1.7	2.4	4.4
102.5°	9.6	8.0	6.1	3.9	2.1	1.2	1.6	1.9	1.7	2.3	4.4
103°	9.3	7.7	5.8	3.7	2.0	1.3	1.7	2.0	1.8	2.2	4.3
103.5°	8.9	7.4	5.6	3.5	1.9	1.4	1.8	2.0	1.9	2.1	4.2
104°	8.6	7.1	5.3	3.4	1.8	1.5	1.8	2.0	1.9	2.1	4.1
104.5°	8.3	6.8	5.1	3.2	1.8	1.6	1.9	2.1	2.0	2.1	4.0
105°	7.9	6.5	4.9	3.0	1.8	1.7	2.1	2.2	2.1	2.1	3.9
105.5°	7.6	6.3	4.6	2.9	1.8	1.7	2.4	2.3	2.1	2.1	3.7
106°	7.3	6.0	4.4	2.8	1.8	1.7	2.7	2.3	2.2	2.0	3.6
106.5°	7.0	5.8	4.2	2.6	1.7	1.8	2.9	2.4	2.4	2.0	3.5
107°	6.7	5.5	4.0	2.5	1.7	1.8	3.2	2.4	2.7	1.9	3.3
107.5°	6.5	5.3	3.8	2.4	1.7	1.8	3.2	2.5	2.9	1.9	3.2
108°	6.2	5.1	3.7	2.3	1.7	1.9	3.2	2.5	2.9	2.0	3.1
108.5°	6.0	4.8	3.5	2.3	1.8	2.0	3.1	2.6	2.8	2.0	3.0
109°	5.7	4.6	3.3	2.2	1.9	2.0	3.1	2.6	2.8	2.1	3.0
109.5°	5.5	4.4	3.2	2.1	1.9	2.1	3.0	2.6	2.9	2.1	2.9
110°	5.3	4.2	3.1	2.1	2.0	2.2	3.0	2.7	2.9	2.2	2.8
110.5°	5.1	4.0	2.9	2.0	2.0	2.2	3.0	2.7	3.0	2.2	2.8
111°	4.8	3.8	2.8	2.0	2.0	2.3	3.0	2.7	3.1	2.3	2.8



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9
0.5°	1465.4	1465.4	1465.4	1465.4	1465.5	1465.5	1465.5	1465.6	1465.6	1465.6	1465.6
1°	1465.0	1465.0	1464.7	1464.4	1464.1	1463.9	1464.1	1464.4	1464.7	1465.1	1465.2
1.5°	1464.2	1464.2	1464.2	1464.0	1463.9	1463.9	1464.0	1464.2	1464.4	1464.6	1464.8
2°	1462.9	1462.9	1462.8	1462.5	1462.3	1462.2	1462.4	1462.8	1463.2	1463.5	1463.6
2.5°	1462.1	1461.9	1461.3	1460.7	1460.7	1461.0	1461.0	1461.1	1461.6	1462.3	1462.6
3°	1460.7	1460.5	1459.7	1459.4	1459.6	1459.9	1459.8	1459.7	1460.2	1460.8	1461.0
3.5°	1458.4	1458.2	1458.1	1457.6	1457.7	1458.2	1458.5	1458.7	1459.0	1459.5	1460.1
4°	1457.2	1457.1	1456.5	1456.0	1456.2	1456.6	1456.9	1457.0	1457.1	1457.7	1458.2
4.5°	1455.0	1454.6	1454.5	1454.5	1454.5	1454.2	1454.4	1454.8	1455.1	1456.0	1457.1
5°	1453.2	1452.9	1452.2	1451.8	1451.3	1451.2	1451.7	1452.5	1453.4	1454.6	1455.9
5.5°	1451.3	1450.6	1450.1	1449.5	1449.3	1449.6	1449.6	1450.2	1451.4	1452.8	1454.2
6°	1448.7	1448.1	1447.7	1447.2	1447.1	1446.8	1446.8	1447.4	1448.7	1449.8	1451.6
6.5°	1446.1	1445.1	1444.6	1444.3	1444.0	1444.3	1444.3	1445.1	1446.3	1447.6	1449.6
7°	1444.1	1443.0	1441.8	1441.1	1441.3	1441.6	1441.9	1442.6	1444.0	1445.0	1447.7
7.5°	1441.6	1440.6	1438.8	1438.4	1437.8	1437.3	1438.0	1439.3	1440.7	1442.4	1444.8
8°	1438.2	1437.4	1435.9	1435.0	1434.4	1434.5	1435.0	1436.1	1437.6	1439.2	1442.0
8.5°	1435.1	1433.5	1432.6	1431.7	1430.9	1431.2	1431.5	1432.8	1434.7	1436.3	1439.1
9°	1431.4	1430.1	1429.1	1427.9	1427.6	1427.6	1427.7	1428.9	1431.2	1433.7	1436.9
9.5°	1428.5	1426.9	1424.9	1424.2	1423.8	1423.5	1423.7	1425.3	1427.5	1430.2	1433.7
10°	1426.0	1423.3	1421.5	1420.2	1419.8	1419.8	1419.7	1421.3	1424.0	1426.8	1430.1
10.5°	1421.8	1419.6	1417.3	1415.8	1415.2	1414.6	1415.6	1417.6	1420.0	1423.2	1427.2
11°	1417.7	1415.5	1413.2	1411.8	1411.0	1410.9	1411.2	1412.9	1415.9	1419.0	1423.3
11.5°	1413.6	1411.1	1408.7	1407.1	1406.5	1405.9	1406.8	1408.6	1411.7	1415.8	1419.0
12°	1410.1	1406.7	1404.1	1402.6	1401.6	1401.3	1402.5	1404.6	1407.5	1412.0	1416.1
12.5°	1406.1	1402.4	1399.8	1398.1	1397.1	1396.0	1397.5	1399.6	1402.9	1407.2	1412.5
13°	1401.7	1397.6	1394.8	1392.8	1391.1	1390.7	1392.5	1394.6	1397.8	1402.7	1407.7
13.5°	1396.6	1392.6	1389.6	1387.3	1385.7	1385.6	1387.1	1389.1	1393.0	1397.7	1403.6
14°	1392.2	1387.8	1384.6	1382.1	1380.4	1380.9	1381.4	1384.0	1388.3	1393.7	1398.5
14.5°	1387.3	1382.4	1379.4	1376.9	1374.4	1374.7	1376.3	1378.6	1382.9	1388.7	1394.2
15°	1382.2	1377.3	1374.1	1371.0	1369.3	1368.9	1370.3	1373.3	1377.2	1383.2	1389.3
15.5°	1377.5	1372.2	1368.1	1364.8	1363.5	1362.7	1364.2	1367.3	1372.0	1377.9	1384.4
16°	1372.2	1366.8	1362.1	1358.6	1356.5	1356.4	1357.8	1361.2	1366.0	1372.2	1378.9
16.5°	1366.6	1361.1	1356.3	1352.5	1350.6	1350.8	1352.0	1355.0	1360.4	1366.6	1373.4
17°	1361.1	1355.2	1350.5	1346.6	1344.5	1344.1	1345.6	1348.8	1354.2	1361.4	1368.1
17.5°	1355.3	1349.2	1344.3	1340.3	1337.9	1337.2	1339.2	1342.2	1347.8	1355.3	1363.1
18°	1349.3	1342.9	1337.7	1333.3	1330.8	1330.0	1331.6	1336.2	1341.8	1349.2	1357.4
18.5°	1343.2	1336.8	1330.8	1326.1	1324.0	1323.6	1325.1	1329.5	1335.8	1343.1	1351.4
19°	1337.6	1329.9	1323.8	1319.1	1317.4	1315.9	1317.5	1322.1	1328.3	1336.5	1344.7
19.5°	1330.5	1323.2	1316.9	1312.0	1310.0	1308.7	1310.6	1314.8	1321.3	1330.3	1338.9
20°	1324.5	1316.9	1310.1	1304.8	1302.0	1301.4	1303.8	1307.9	1314.8	1323.7	1333.4
20.5°	1318.0	1309.9	1303.1	1297.3	1294.0	1293.7	1296.1	1301.0	1307.9	1317.0	1327.2
21°	1311.0	1303.0	1295.7	1289.7	1286.1	1285.9	1288.3	1293.2	1300.8	1310.4	1320.2





TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1290.1	1280.6	1272.6	1266.5	1262.0	1261.4	1263.4	1268.8	1277.5	1288.8	1299.6
23°	1283.2	1273.0	1265.0	1258.2	1253.9	1253.6	1255.3	1261.0	1270.0	1281.3	1293.0
23.5°	1275.5	1264.9	1256.6	1249.8	1246.0	1244.5	1246.7	1252.6	1262.0	1273.4	1285.6
24°	1268.1	1257.2	1248.2	1240.6	1237.0	1235.4	1237.5	1244.4	1253.6	1265.4	1277.8
24.5°	1260.4	1249.5	1239.6	1231.9	1228.2	1226.2	1229.3	1236.5	1245.9	1257.7	1270.5
25°	1253.6	1241.4	1231.9	1223.6	1219.7	1217.4	1220.5	1227.9	1237.6	1249.8	1262.6
25.5°	1244.7	1232.9	1223.3	1214.8	1210.0	1208.4	1211.3	1218.4	1228.6	1241.4	1255.3
26°	1236.6	1224.3	1214.0	1205.9	1201.2	1199.1	1202.4	1209.5	1220.5	1233.6	1247.6
26.5°	1228.5	1216.0	1204.9	1196.7	1192.2	1189.9	1192.5	1200.5	1211.6	1225.2	1239.2
27°	1220.8	1208.0	1196.3	1187.0	1182.2	1180.9	1183.3	1191.0	1202.7	1216.4	1231.0
27.5°	1212.2	1198.4	1187.1	1177.4	1172.0	1171.5	1174.0	1181.6	1193.4	1208.2	1222.5
28°	1203.2	1189.7	1178.1	1168.0	1162.9	1161.4	1164.7	1173.0	1184.7	1199.2	1214.6
28.5°	1195.0	1181.2	1168.9	1159.1	1153.3	1151.4	1154.5	1163.1	1175.5	1190.1	1205.4
29°	1186.3	1171.7	1159.4	1148.9	1143.1	1142.2	1145.3	1152.9	1165.4	1180.8	1196.9
29.5°	1177.5	1162.3	1149.7	1139.1	1133.4	1131.5	1134.2	1143.2	1156.2	1172.2	1188.7
30°	1168.4	1152.9	1140.1	1129.3	1123.0	1121.4	1124.9	1133.7	1146.8	1163.2	1179.8
30.5°	1159.2	1143.8	1130.3	1119.2	1113.3	1111.1	1114.5	1123.5	1136.8	1153.5	1170.6
31°	1150.1	1134.2	1120.5	1109.3	1103.1	1100.8	1104.6	1113.8	1127.2	1143.9	1161.8
31.5°	1140.6	1124.6	1110.7	1099.0	1092.4	1090.2	1094.1	1103.8	1117.6	1134.8	1152.4
32°	1131.1	1115.2	1100.8	1088.4	1081.8	1079.5	1083.5	1093.2	1107.9	1125.2	1143.3
32.5°	1122.2	1105.4	1090.6	1077.7	1071.1	1068.9	1073.0	1082.6	1097.8	1115.8	1133.9
33°	1112.4	1095.2	1080.3	1067.0	1060.4	1058.3	1062.4	1072.0	1087.4	1106.1	1124.7
33.5°	1102.3	1084.9	1070.1	1056.2	1049.8	1047.6	1051.8	1061.4	1077.0	1096.2	1115.2
34°	1093.9	1074.9	1060.0	1046.1	1038.4	1036.8	1040.4	1050.8	1066.6	1086.1	1105.6
34.5°	1083.6	1064.8	1049.6	1036.0	1027.9	1025.5	1029.7	1040.6	1056.2	1075.9	1096.3
35°	1073.3	1054.4	1038.2	1025.1	1017.1	1014.4	1019.0	1030.0	1045.8	1065.8	1086.4
35.5°	1063.1	1044.1	1027.7	1014.4	1006.2	1003.6	1008.0	1019.4	1035.1	1055.7	1076.5
36°	1052.9	1033.9	1017.3	1002.9	994.7	992.3	996.7	1007.5	1024.4	1045.5	1066.6
36.5°	1042.6	1023.2	1005.8	991.9	983.3	981.3	985.6	997.0	1013.5	1034.5	1056.7
37°	1032.1	1012.1	995.2	981.1	972.0	969.5	974.2	986.2	1002.8	1023.9	1046.3
37.5°	1021.8	1001.4	984.3	970.1	961.5	958.4	963.2	974.7	991.6	1013.1	1036.0
38°	1010.9	990.5	973.0	958.2	949.6	947.6	951.6	963.8	981.1	1002.6	1024.9
38.5°	1000.4	979.9	962.0	947.3	938.5	935.5	940.6	952.5	970.0	992.0	1014.6
39°	989.8	969.2	950.7	935.9	927.2	924.5	929.6	941.5	959.0	981.2	1004.2
39.5°	979.0	958.5	940.0	924.6	916.1	913.0	917.6	929.9	947.8	970.2	993.8
40°	968.6	947.3	928.8	913.6	904.3	901.6	906.5	918.7	936.5	959.3	983.0
40.5°	957.8	936.2	917.6	902.1	892.7	890.1	894.5	907.0	926.0	948.4	972.6
41°	947.0	925.1	906.2	890.4	881.3	878.6	883.7	896.1	914.4	937.5	961.5
41.5°	935.9	914.1	895.1	879.4	869.9	867.3	871.8	884.8	903.4	926.5	950.7
42°	924.7	902.8	883.5	868.0	858.1	855.5	860.7	873.0	892.0	915.1	940.4
42.5°	914.2	892.0	872.2	856.5	846.8	844.2	849.0	861.9	881.1	903.8	928.8
43°	903.3	880.4	861.2	845.0	834.9	833.0	838.0	850.6	869.7	893.1	918.2
43.5°	892.0	869.4	849.7	833.3	824.0	821.2	826.2	838.8	857.8	882.1	907.1



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	858.3	835.0	815.1	799.2	789.8	786.5	791.4	804.7	823.6	848.2	873.9
45.5°	847.1	824.0	804.3	787.6	778.2	775.3	780.4	793.4	812.4	836.8	862.5
46°	835.9	812.9	792.6	776.5	766.5	764.3	769.1	782.2	801.5	825.5	851.5
46.5°	824.5	801.5	781.3	765.0	755.3	752.7	757.6	771.0	790.3	814.2	840.0
47°	813.4	789.8	769.8	753.6	743.6	741.2	746.4	759.2	778.7	802.8	829.2
47.5°	801.8	778.6	758.7	742.3	732.5	730.2	735.1	748.0	767.2	791.5	817.7
48°	790.1	767.5	746.8	730.9	721.4	718.5	723.3	736.5	755.9	780.0	806.2
48.5°	778.8	756.0	735.9	719.9	710.3	707.3	712.5	725.2	744.5	768.8	794.5
49°	767.6	744.5	724.5	708.8	698.7	696.1	701.5	714.3	733.7	757.9	783.2
49.5°	756.8	733.2	713.6	697.6	687.5	685.4	690.2	703.2	722.0	746.4	772.3
50°	744.4	721.9	702.0	686.1	676.3	674.0	679.4	691.7	711.2	734.8	761.1
50.5°	733.6	710.5	690.2	674.8	665.7	663.1	667.7	680.3	699.7	723.4	749.6
51°	722.0	698.9	679.6	664.0	654.4	652.6	657.0	669.5	688.2	712.2	738.4
51.5°	710.5	687.8	668.6	653.1	643.4	641.4	646.3	658.9	677.4	701.1	726.8
52°	698.8	676.9	657.5	642.2	632.6	630.4	635.3	648.1	666.5	690.3	715.5
52.5°	687.6	665.7	646.5	631.1	622.0	620.1	624.4	637.1	655.6	679.0	704.1
53°	676.3	654.4	635.1	620.1	611.0	609.4	613.8	626.1	644.4	667.6	692.9
53.5°	665.0	643.3	624.0	609.3	600.2	598.4	603.4	615.1	633.6	656.6	682.1
54°	653.8	632.2	613.0	598.6	589.6	587.2	592.1	604.1	622.4	645.3	670.7
54.5°	642.4	620.7	602.1	587.7	578.9	577.1	582.0	593.5	611.6	634.1	658.9
55°	631.0	609.3	591.3	577.2	568.2	566.5	571.1	582.9	600.6	623.3	647.7
55.5°	620.1	598.5	580.4	566.4	558.3	556.3	560.9	572.3	589.8	612.2	636.2
56°	608.5	587.5	569.5	556.0	547.6	546.0	550.5	561.5	578.8	601.2	625.2
56.5°	597.1	576.2	559.1	545.6	536.9	535.3	540.2	551.3	568.4	590.2	613.8
57°	586.0	565.4	548.1	535.0	526.8	525.4	529.9	541.1	557.5	579.0	602.7
57.5°	574.3	554.7	537.8	524.4	516.5	514.9	519.2	530.2	547.0	568.0	591.3
58°	563.3	543.6	527.0	514.1	506.7	504.9	509.4	519.9	536.3	557.0	580.2
58.5°	552.0	533.1	516.6	503.8	496.4	495.0	499.3	509.7	526.0	546.4	569.4
59°	540.9	522.2	505.9	493.7	486.1	484.8	489.1	499.6	515.4	535.7	558.3
59.5°	529.9	511.2	495.8	483.4	476.0	474.8	479.6	489.4	505.2	524.8	547.1
60°	518.7	500.8	485.6	473.2	466.5	465.3	469.3	479.2	494.6	514.2	535.7
60.5°	507.8	490.0	475.0	463.1	456.4	455.2	459.3	469.1	484.5	503.5	524.4
61°	496.5	479.4	464.6	453.2	446.5	445.5	449.4	459.3	474.0	492.9	513.8
61.5°	485.5	468.8	454.6	443.7	437.5	435.9	440.0	449.5	464.0	482.2	502.5
62°	474.3	458.3	444.7	433.5	427.3	426.4	430.3	439.8	453.8	471.9	491.6
62.5°	463.8	447.9	434.4	423.7	417.6	417.0	420.7	429.9	443.7	461.4	480.7
63°	453.0	437.6	424.1	413.9	408.2	407.3	411.1	420.0	433.6	450.9	469.9
63.5°	442.3	427.1	414.1	404.3	398.9	398.0	401.8	410.4	423.7	440.7	459.3
64°	431.2	416.7	404.7	394.8	389.5	388.7	392.2	400.9	413.6	430.4	448.3
64.5°	420.5	406.5	394.6	385.1	379.9	379.5	383.0	391.3	403.8	419.9	437.7
65°	409.9	396.3	384.8	375.8	371.0	370.2	373.9	382.0	394.2	409.8	427.0
65.5°	399.2	386.3	375.4	366.6	361.7	361.1	364.7	372.6	384.7	399.5	416.3
66°	388.9	376.2	365.9	357.0	352.3	351.8	355.2	363.0	374.7	389.5	405.6



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	357.0	346.0	336.7	329.5	325.6	325.1	328.4	335.6	346.0	359.4	373.8
68°	346.6	336.2	327.3	320.4	316.8	316.6	319.7	326.5	336.4	349.5	363.7
68.5°	336.5	326.4	318.0	311.5	308.1	307.6	310.8	317.6	327.3	339.8	353.5
69°	326.2	316.6	308.8	302.6	299.3	299.2	302.0	308.6	318.0	330.0	343.3
69.5°	315.9	307.0	299.5	293.6	290.4	290.4	293.3	299.7	308.7	320.1	332.8
70°	306.0	297.5	290.5	284.7	282.0	282.1	284.8	290.8	299.4	310.3	322.5
70.5°	295.5	287.9	281.3	276.3	273.7	273.8	276.4	282.1	290.3	300.9	312.1
71°	285.6	278.4	272.5	267.7	265.3	265.3	267.9	273.4	281.4	291.3	302.5
71.5°	275.8	269.1	263.5	259.1	256.8	256.9	259.7	264.8	272.5	281.9	292.3
72°	266.0	259.9	254.7	250.6	248.6	249.0	251.5	256.4	263.6	272.7	282.5
72.5°	256.1	250.6	246.0	242.3	240.5	240.8	243.3	248.1	254.8	263.3	272.4
73°	246.5	241.6	237.2	233.9	232.3	232.7	235.0	239.7	245.8	254.1	263.1
73.5°	236.8	232.5	228.5	225.7	224.4	224.7	227.1	231.2	237.4	244.9	253.1
74°	227.2	223.4	220.2	217.7	216.4	217.2	219.2	223.2	228.8	235.9	243.4
74.5°	217.8	214.6	211.7	209.8	208.7	209.4	211.4	215.3	220.5	226.9	233.7
75°	208.6	206.0	203.7	201.8	201.0	201.7	203.6	207.1	212.1	218.0	224.7
75.5°	199.5	197.4	195.3	194.0	193.4	194.1	195.9	199.2	203.7	209.2	215.2
76°	190.2	188.9	187.5	186.2	185.7	186.6	188.3	191.5	195.7	200.6	206.0
76.5°	181.3	180.4	179.5	178.6	178.4	179.2	180.9	183.9	187.5	191.9	196.8
77°	172.6	172.1	171.8	171.2	171.1	171.9	173.6	176.2	179.6	183.5	187.9
77.5°	163.7	164.0	163.9	164.0	164.1	164.9	166.6	168.8	171.9	175.2	178.6
78°	155.3	156.2	156.5	156.7	157.3	158.0	159.4	161.6	164.3	167.1	170.0
78.5°	147.1	148.6	149.2	149.6	150.3	151.2	152.6	154.5	156.6	159.1	161.3
79°	138.8	140.7	141.9	142.8	143.5	144.5	145.8	147.5	149.3	151.1	153.0
79.5°	131.0	133.4	135.0	136.2	137.1	138.0	139.4	140.7	142.1	143.5	144.3
80°	123.3	126.5	128.6	129.9	131.0	131.8	132.9	133.9	135.2	135.9	136.4
80.5°	115.7	119.6	122.1	123.8	125.1	125.9	126.8	127.6	128.7	128.7	128.8
81°	108.0	112.7	115.6	117.7	119.1	120.0	120.9	121.6	122.2	121.8	121.2
81.5°	100.8	105.7	109.1	111.6	113.1	114.1	114.9	115.5	115.7	114.9	113.6
82°	94.1	99.1	102.7	105.5	107.2	108.1	108.9	109.5	109.2	108.0	106.0
82.5°	87.3	92.9	96.8	99.6	101.6	102.7	103.4	103.5	102.8	101.3	98.6
83°	80.7	86.7	91.0	94.1	96.1	97.3	97.9	97.8	96.8	94.8	91.8
83.5°	74.5	80.7	85.4	88.6	90.7	91.8	92.5	92.2	91.0	88.6	85.0
84°	68.5	75.0	79.9	83.4	85.5	86.8	87.3	86.9	85.3	82.5	78.6
84.5°	62.8	69.7	74.8	78.3	80.6	81.8	82.2	81.6	79.9	76.7	72.2
85°	57.4	64.5	69.7	73.4	75.8	77.1	77.3	76.6	74.6	71.2	66.3
85.5°	52.3	59.5	64.9	68.7	71.1	72.3	72.5	71.7	69.5	65.9	60.7
86°	47.4	54.6	60.2	64.2	66.7	67.9	68.2	67.1	64.6	60.7	55.3
86.5°	42.8	50.3	55.9	59.9	62.4	63.6	63.8	62.6	60.1	55.9	50.1
87°	38.6	46.1	51.7	55.8	58.4	59.6	59.7	58.3	55.7	51.3	45.3
87.5°	34.6	42.1	47.9	52.0	54.5	55.8	55.7	54.4	51.5	47.0	40.9
88°	31.1	38.5	44.2	48.3	50.9	52.0	52.0	50.6	47.6	43.1	36.7
88.5°	27.8	35.1	40.7	44.9	47.4	48.5	48.4	46.9	43.9	39.3	32.9



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	19.8	26.4	31.8	35.7	38.2	39.3	39.0	37.4	34.1	29.5	23.3
90.5°	17.8	24.0	29.3	33.1	35.6	36.6	36.3	34.6	31.4	26.8	20.7
91°	16.0	22.0	27.0	30.8	33.1	34.1	33.8	32.1	28.9	24.3	18.5
91.5°	14.5	20.1	24.9	28.5	30.8	31.7	31.4	29.7	26.6	22.1	16.6
92°	13.6	18.5	23.0	26.5	28.7	29.6	29.3	27.6	24.5	20.2	14.9
92.5°	12.7	17.1	21.4	24.7	26.8	27.6	27.3	25.6	22.6	18.5	13.8
93°	11.9	15.9	20.0	23.1	25.1	25.9	25.5	23.9	21.0	17.1	12.9
93.5°	11.0	14.9	18.8	21.7	23.6	24.3	23.9	22.4	19.6	15.8	11.9
94°	10.1	14.1	17.7	20.5	22.3	23.0	22.6	21.0	18.4	14.8	10.9
94.5°	9.6	13.4	16.8	19.4	21.1	21.7	21.3	19.8	17.3	13.9	10.0
95°	9.2	12.8	16.0	18.5	20.1	20.6	20.2	18.8	16.3	13.1	9.4
95.5°	8.9	12.3	15.3	17.7	19.2	19.6	19.2	17.9	15.5	12.5	9.0
96°	8.6	11.9	14.7	16.9	18.3	18.8	18.4	17.1	14.8	12.0	8.7
96.5°	8.4	11.6	14.2	16.2	17.5	18.0	17.6	16.4	14.2	11.5	8.4
97°	8.2	11.2	13.7	15.6	16.9	17.3	17.0	15.8	13.8	11.1	8.0
97.5°	8.0	10.9	13.3	15.1	16.3	16.7	16.4	15.3	13.4	10.7	7.7
98°	7.9	10.5	12.8	14.7	15.8	16.2	15.9	14.8	13.0	10.2	7.4
98.5°	7.8	10.2	12.5	14.2	15.3	15.8	15.5	14.4	12.5	9.8	7.1
99°	7.7	10.1	12.2	13.8	14.9	15.3	15.0	13.9	12.1	9.5	7.0
99.5°	7.6	9.9	11.9	13.5	14.5	14.9	14.5	13.5	11.7	9.2	6.9
100°	7.5	9.8	11.7	13.2	14.1	14.5	14.1	13.1	11.4	8.9	6.8
100.5°	7.4	9.6	11.5	12.9	13.8	14.1	13.7	12.7	11.0	8.8	6.7
101°	7.3	9.5	11.3	12.6	13.5	13.8	13.4	12.3	10.7	8.7	6.6
101.5°	7.1	9.4	11.1	12.4	13.2	13.5	13.1	12.0	10.4	8.6	6.5
102°	7.0	9.2	10.9	12.2	12.9	13.2	12.8	11.8	10.3	8.5	6.4
102.5°	6.9	9.1	10.7	12.0	12.7	12.9	12.5	11.6	10.1	8.4	6.3
103°	6.7	9.0	10.5	11.8	12.5	12.7	12.3	11.5	10.0	8.3	6.1
103.5°	6.6	8.8	10.4	11.6	12.3	12.5	12.2	11.3	9.9	8.2	6.0
104°	6.4	8.7	10.3	11.4	12.1	12.4	12.0	11.2	9.8	8.1	5.8
104.5°	6.3	8.5	10.1	11.3	11.9	12.2	11.9	11.0	9.7	7.9	5.6
105°	6.1	8.3	9.9	11.1	11.8	12.0	11.7	10.9	9.5	7.8	5.5
105.5°	6.0	8.1	9.8	10.9	11.6	11.9	11.6	10.7	9.4	7.6	5.3
106°	5.9	8.0	9.6	10.7	11.4	11.7	11.5	10.6	9.3	7.4	5.2
106.5°	5.8	7.8	9.4	10.5	11.2	11.6	11.3	10.4	9.1	7.2	5.0
107°	5.6	7.6	9.2	10.4	11.0	11.4	11.1	10.3	8.9	7.0	4.9
107.5°	5.5	7.5	9.0	10.2	10.8	11.2	10.9	10.1	8.7	6.8	4.7
108°	5.4	7.3	8.8	10.0	10.7	11.0	10.7	9.9	8.4	6.6	4.6
108.5°	5.2	7.2	8.6	9.8	10.4	10.8	10.5	9.6	8.2	6.4	4.5
109°	5.1	7.0	8.5	9.5	10.2	10.5	10.3	9.4	8.0	6.3	4.4
109.5°	4.9	6.9	8.3	9.3	10.0	10.3	10.1	9.2	7.8	6.1	4.3
110°	4.8	6.7	8.1	9.1	9.8	10.1	9.8	8.9	7.6	5.9	4.2
110.5°	4.6	6.5	7.9	8.9	9.5	9.8	9.6	8.7	7.4	5.8	4.0
111°	4.5	6.3	7.7	8.7	9.3	9.6	9.4	8.5	7.2	5.7	3.9



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5





TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1465.9	1465.9	1465.9	1465.9
0.5°	1465.6	1465.6	1465.6	1465.6
1°	1465.3	1465.3	1465.3	1465.4
1.5°	1465.0	1465.1	1465.1	1465.4
2°	1463.8	1464.4	1465.0	1465.2
2.5°	1462.5	1462.9	1464.1	1464.6
3°	1461.5	1462.4	1463.5	1463.6
3.5°	1460.8	1462.1	1462.4	1462.6
4°	1459.8	1461.3	1461.4	1462.0
4.5°	1457.7	1459.4	1459.8	1460.4
5°	1456.6	1457.6	1458.9	1459.5
5.5°	1455.5	1456.0	1457.5	1458.5
6°	1453.1	1455.1	1455.8	1457.3
6.5°	1450.9	1452.2	1454.2	1455.8
7°	1449.8	1450.3	1453.0	1454.4
7.5°	1447.1	1448.9	1449.8	1452.3
8°	1444.3	1446.3	1448.7	1450.8
8.5°	1441.3	1443.6	1446.5	1448.1
9°	1439.0	1441.0	1443.8	1446.5
9.5°	1436.2	1438.4	1441.2	1443.9
10°	1432.7	1435.0	1438.7	1440.9
10.5°	1429.8	1432.8	1435.3	1438.3
11°	1426.4	1430.3	1433.3	1435.3
11.5°	1423.0	1426.8	1430.5	1432.2
12°	1419.6	1423.3	1427.6	1429.2
12.5°	1415.5	1419.7	1423.9	1426.4
13°	1411.5	1415.8	1420.4	1423.0
13.5°	1407.6	1412.0	1417.1	1419.2
14°	1403.4	1408.3	1413.0	1415.7
14.5°	1399.0	1404.8	1409.0	1412.1
15°	1394.5	1400.2	1404.9	1408.0
15.5°	1389.6	1395.5	1400.8	1404.3
16°	1384.7	1391.1	1397.0	1399.7
16.5°	1379.7	1386.2	1392.9	1394.7
17°	1375.0	1381.4	1387.8	1390.1
17.5°	1369.8	1376.7	1382.5	1386.2
18°	1364.7	1371.9	1377.7	1381.9
18.5°	1359.5	1367.0	1372.9	1376.5
19°	1353.6	1361.6	1367.9	1371.4
19.5°	1347.2	1356.1	1362.7	1366.3
20°	1341.4	1350.4	1357.0	1361.2
20.5°	1335.8	1344.3	1351.6	1355.9
21°	1330.2	1338.2	1345.6	1350.7



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
22.5°	1310.1	1320.0	1328.4	1332.8
23°	1303.4	1313.7	1321.9	1327.5
23.5°	1296.6	1306.9	1315.4	1320.8
24°	1289.6	1300.4	1309.0	1314.4
24.5°	1282.4	1293.6	1302.7	1308.4
25°	1275.3	1286.4	1296.1	1302.0
25.5°	1267.5	1279.7	1288.9	1295.0
26°	1260.7	1272.4	1282.0	1288.2
26.5°	1252.9	1265.0	1274.9	1281.0
27°	1245.2	1257.7	1267.5	1274.0
27.5°	1237.0	1250.7	1260.2	1266.9
28°	1229.2	1242.4	1252.9	1259.3
28.5°	1220.9	1234.6	1245.2	1251.9
29°	1212.2	1226.6	1237.6	1245.0
29.5°	1204.6	1218.3	1229.6	1237.3
30°	1196.2	1210.6	1221.6	1229.2
30.5°	1187.3	1202.0	1213.8	1221.5
31°	1178.2	1194.0	1205.6	1213.6
31.5°	1169.9	1184.9	1197.2	1205.4
32°	1160.7	1176.3	1188.5	1196.5
32.5°	1151.9	1167.6	1180.1	1188.1
33°	1143.1	1159.2	1171.3	1179.9
33.5°	1134.2	1150.7	1162.5	1171.1
34°	1124.4	1141.4	1153.8	1162.1
34.5°	1115.3	1131.9	1144.5	1152.9
35°	1106.0	1123.0	1135.8	1144.3
35.5°	1096.2	1113.5	1126.6	1135.5
36°	1086.5	1104.3	1117.2	1126.3
36.5°	1076.8	1094.6	1108.6	1116.8
37°	1067.2	1084.9	1099.3	1107.6
37.5°	1057.6	1075.2	1090.1	1098.5
38°	1047.5	1065.6	1079.8	1089.6
38.5°	1036.5	1055.9	1069.6	1079.4
39°	1026.0	1045.8	1059.3	1068.9
39.5°	1015.8	1035.5	1049.3	1058.6
40°	1005.6	1025.4	1039.8	1048.6
40.5°	995.4	1015.3	1030.0	1039.2
41°	984.6	1004.8	1019.5	1029.1
41.5°	974.2	994.0	1009.4	1018.6
42°	963.1	983.6	999.0	1008.6
42.5°	952.4	973.2	988.3	998.5
43°	941.6	962.4	977.7	987.9
43.5°	930.9	951.5	967.4	976.9



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
45°	897.8	919.6	935.2	944.8
45.5°	887.0	908.5	924.0	934.4
46°	875.8	897.5	913.1	923.1
46.5°	864.8	886.5	901.9	911.6
47°	854.0	875.4	891.1	900.5
47.5°	842.4	864.4	879.9	889.7
48°	831.4	852.6	868.5	878.9
48.5°	819.8	841.8	857.5	867.4
49°	808.6	830.6	846.4	856.6
49.5°	797.5	818.9	834.9	845.2
50°	785.8	807.5	823.4	833.8
50.5°	774.5	796.4	811.9	822.1
51°	763.7	784.6	800.7	810.8
51.5°	752.2	773.6	789.5	799.2
52°	740.5	761.9	777.5	788.0
52.5°	729.1	750.3	766.3	776.1
53°	717.5	738.9	754.4	764.6
53.5°	706.4	727.3	743.0	753.0
54°	695.0	715.7	731.3	741.4
54.5°	683.7	704.2	719.7	729.6
55°	672.5	692.8	708.1	717.6
55.5°	660.2	681.5	696.2	706.2
56°	648.8	669.1	684.3	694.2
56.5°	637.7	658.0	673.0	682.5
57°	626.4	646.3	661.2	671.2
57.5°	614.6	634.8	649.6	659.0
58°	603.2	622.6	637.4	647.0
58.5°	591.8	611.1	625.7	635.4
59°	580.8	599.4	614.0	623.4
59.5°	569.0	587.8	602.4	611.6
60°	557.6	576.0	590.6	599.5
60.5°	546.0	564.6	578.6	587.7
61°	535.0	553.0	566.6	575.8
61.5°	523.4	541.3	554.8	564.0
62°	512.1	529.7	543.0	552.0
62.5°	500.8	518.4	531.1	540.2
63°	489.8	506.6	519.3	528.2
63.5°	478.3	494.9	507.6	516.5
64°	466.8	483.4	495.7	504.4
64.5°	455.7	471.8	484.2	492.2
65°	444.9	460.1	472.4	480.1
65.5°	433.4	448.8	460.4	467.9
66°	422.7	437.6	448.6	455.7



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
67.5°	389.5	403.2	413.7	420.2
68°	378.4	391.5	401.8	408.6
68.5°	367.4	380.3	389.9	396.6
69°	356.9	368.7	378.5	384.8
69.5°	345.9	357.4	366.8	373.0
70°	335.0	346.3	355.4	361.2
70.5°	324.2	335.1	343.7	349.4
71°	313.7	323.8	332.3	337.9
71.5°	303.0	312.7	320.6	326.2
72°	292.4	301.7	309.1	314.7
72.5°	281.8	290.8	297.5	303.2
73°	271.4	279.6	286.4	291.4
73.5°	261.4	269.0	275.2	279.6
74°	251.0	257.9	264.0	268.4
74.5°	240.6	247.2	252.8	257.1
75°	230.6	236.2	241.4	245.8
75.5°	220.6	225.8	230.3	234.4
76°	210.9	215.2	219.9	223.3
76.5°	201.0	205.0	208.7	212.3
77°	191.4	194.5	198.1	201.4
77.5°	181.7	184.6	187.4	190.3
78°	172.3	174.2	177.0	179.8
78.5°	163.1	164.6	166.3	169.0
79°	154.0	154.9	156.2	158.4
79.5°	145.1	145.4	146.4	148.1
80°	136.7	136.4	136.9	138.3
80.5°	128.4	127.4	127.4	128.1
81°	120.0	118.4	117.9	118.3
81.5°	111.7	109.3	108.4	108.7
82°	103.3	100.4	98.9	99.3
82.5°	95.5	92.1	90.0	89.7
83°	87.8	84.0	81.6	81.2
83.5°	80.4	76.0	73.1	72.7
84°	73.4	68.3	65.0	64.6
84.5°	66.8	61.1	57.3	56.5
85°	60.2	54.2	50.1	49.1
85.5°	54.3	47.7	43.1	42.7
86°	48.6	41.6	36.6	36.3
86.5°	43.2	35.9	30.5	29.9
87°	38.1	30.5	25.0	23.6
87.5°	33.5	25.8	21.1	18.1
88°	29.3	21.5	17.1	13.1
88.5°	25.4	18.7	13.2	8.8



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
90°	16.3	10.2	3.7	2.8
90.5°	14.7	7.5	2.5	1.5
91°	13.1	6.1	1.8	0.3
91.5°	11.5	5.1	1.5	0.2
92°	9.9	4.5	1.3	0.2
92.5°	8.3	4.0	1.1	0.1
93°	7.6	3.7	1.0	0.1
93.5°	7.0	3.5	1.0	0.2
94°	6.6	3.2	0.9	0.2
94.5°	6.2	3.0	0.9	0.3
95°	6.0	2.9	0.9	0.3
95.5°	5.6	2.8	0.9	0.4
96°	5.3	2.8	0.9	0.4
96.5°	5.0	2.8	0.9	0.5
97°	4.9	2.8	0.8	0.5
97.5°	4.9	2.6	0.8	0.6
98°	4.8	2.5	0.8	0.6
98.5°	4.8	2.4	0.8	0.7
99°	4.8	2.4	0.8	0.8
99.5°	4.7	2.3	0.9	0.8
100°	4.6	2.3	0.9	0.9
100.5°	4.5	2.3	1.0	1.0
101°	4.3	2.2	1.1	1.1
101.5°	4.2	2.2	1.1	1.2
102°	4.0	2.2	1.2	1.3
102.5°	3.9	2.1	1.2	1.4
103°	3.8	2.1	1.3	1.4
103.5°	3.7	2.0	1.4	1.5
104°	3.6	1.9	1.4	1.5
104.5°	3.5	1.8	1.5	1.5
105°	3.4	1.8	1.5	1.6
105.5°	3.4	1.7	1.6	1.5
106°	3.3	1.7	1.7	1.5
106.5°	3.2	1.6	1.9	1.5
107°	3.1	1.5	2.0	1.5
107.5°	2.9	1.5	1.9	1.5
108°	2.8	1.5	1.9	1.5
108.5°	2.7	1.5	1.9	1.5
109°	2.6	1.5	1.9	1.6
109.5°	2.5	1.5	1.8	1.6
110°	2.4	1.5	1.8	1.6
110.5°	2.3	1.5	1.8	1.6
111°	2.2	1.6	1.8	1.6



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
157.5°	3.1	2.4	1.7	1.5
158°	3.1	2.4	1.7	1.5
158.5°	3.1	2.4	1.7	1.5
159°	3.1	2.3	1.7	1.5
159.5°	3.1	2.3	1.7	1.5
160°	3.2	2.3	1.6	1.6
160.5°	3.2	2.3	1.6	1.6
161°	3.2	2.3	1.6	1.6
161.5°	3.2	2.3	1.6	1.6
162°	3.2	2.3	1.6	1.6
162.5°	3.2	2.2	1.6	1.6
163°	3.1	2.1	1.6	1.6
163.5°	3.2	2.0	1.6	1.6
164°	3.2	2.0	1.6	1.6
164.5°	2.8	2.0	1.6	1.6
165°	2.7	2.0	1.6	1.6
165.5°	2.9	1.8	1.6	1.6
166°	3.0	1.7	1.6	1.6
166.5°	2.6	1.7	1.6	1.7
167°	2.4	1.7	1.6	1.7
167.5°	2.8	1.9	1.6	1.7
168°	3.0	2.2	1.7	1.7
168.5°	2.8	2.1	1.7	1.7
169°	2.8	2.2	1.8	1.7
169.5°	2.8	2.3	1.8	1.8
170°	2.7	2.3	2.1	1.8
170.5°	2.7	2.3	2.2	2.0
171°	2.9	2.6	2.2	2.3
171.5°	2.9	2.7	2.4	2.3
172°	2.9	2.7	2.6	2.3
172.5°	2.9	2.7	2.6	2.5
173°	2.9	2.7	2.6	2.5
173.5°	2.8	2.7	2.6	2.5
174°	2.8	2.8	2.7	2.5
174.5°	2.8	2.8	2.7	2.6
175°	2.8	2.8	2.7	2.7
175.5°	2.8	2.7	2.7	2.7
176°	2.8	2.7	2.7	2.7
176.5°	2.8	2.7	2.7	2.7
177°	2.8	2.7	2.7	2.7
177.5°	2.7	2.7	2.7	2.7
178°	2.7	2.7	2.7	2.7
178.5°	2.8	2.8	2.8	2.8





TEST NUMBER: P563545

CATALOG NUMBER: 4NWS3C3-UNV-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
180°	2.5	2.5	2.5	2.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	1345.1	1348.3	1348.0	1345.5	1340.6	1334.8	1328.6	1323.4	1319.0	1316.8	1316.0
22°	1338.7	1342.2	1342.2	1339.3	1334.5	1328.4	1321.5	1316.2	1312.3	1309.3	1308.7



44°	966.3	969.9	965.3	955.1	938.5	918.2	897.5	879.7	866.7	860.2	861.1
44.5°	955.6	958.6	954.8	944.0	927.4	906.7	886.4	868.4	855.3	849.0	849.0





66.5°	443.8	447.9	446.9	440.6	430.5	416.6	403.7	392.4	384.2	379.3	378.1
67°	431.9	435.7	435.3	429.6	419.6	406.4	394.2	383.0	374.7	370.2	369.3



89°	5.4	10.7	20.4	31.5	41.9	49.1	54.9	58.3	59.6	59.1	56.9
89.5°	4.1	7.5	16.7	27.4	37.7	45.5	51.3	54.2	55.6	55.1	53.0



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



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



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



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





21.5°	1317.2	1320.6	1323.8	1327.7	1331.3	1333.0	1333.0	1331.3	1327.3	1321.0	1313.1
22°	1309.9	1313.1	1317.1	1321.4	1325.4	1326.7	1327.0	1325.4	1320.8	1314.4	1306.3





44°	867.4	880.3	897.0	912.6	926.7	936.7	940.6	939.0	932.2	919.6	901.3
44.5°	856.3	869.4	885.7	901.1	915.5	925.6	929.0	928.3	921.5	908.5	889.9



66.5°	380.8	386.6	394.6	402.6	409.7	414.4	413.3	412.6	407.5	400.2	389.7
67°	371.8	377.0	384.5	391.9	398.3	402.1	401.9	400.8	395.9	388.8	378.8



89°	53.1	47.7	41.0	31.2	21.0	11.2	4.5	0.7	3.7	10.4	17.1
89.5°	49.6	44.3	37.1	27.8	18.0	9.0	3.5	0.6	2.7	7.8	15.4



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



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



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



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







21.5°	1304.6	1295.4	1287.9	1281.5	1278.4	1277.7	1279.5	1285.1	1293.1	1303.3	1313.7
22°	1297.7	1287.7	1279.7	1274.1	1270.8	1269.3	1271.9	1276.8	1285.3	1295.7	1306.6



44°	880.7	858.0	838.0	821.9	812.1	809.6	814.6	827.4	846.7	870.2	896.3
44.5°	869.8	846.3	826.5	810.6	800.4	797.8	803.1	816.1	835.4	859.1	884.6



66.5°	378.0	366.0	355.6	347.8	343.3	342.9	346.3	353.9	365.0	379.3	395.2
67°	367.4	355.9	346.2	338.8	334.6	334.2	337.1	344.8	355.5	369.2	384.7



89°	24.9	31.9	37.5	41.6	44.1	45.2	45.1	43.5	40.4	35.7	29.4
89.5°	22.2	29.0	34.5	38.5	41.1	42.2	41.9	40.3	37.1	32.4	26.2



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



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



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



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







21.5°	1323.6	1332.7	1339.8	1345.1
22°	1316.6	1326.9	1334.5	1338.7



44°	920.1	941.2	956.3	966.3
44.5°	909.7	930.1	945.8	955.6



66.5°	411.4	426.0	437.0	443.8
67°	400.3	414.6	425.6	431.9



89°	22.0	15.9	9.3	5.4
89.5°	18.9	13.0	5.5	4.1



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



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



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





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



(END OF REPORT)