

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: P563554

Luminaire Tested: **4NWS3C3MS-NUV-LOW-5000K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563554
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-LOW-5000K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING
Light Source: -
Ballast/Driver:

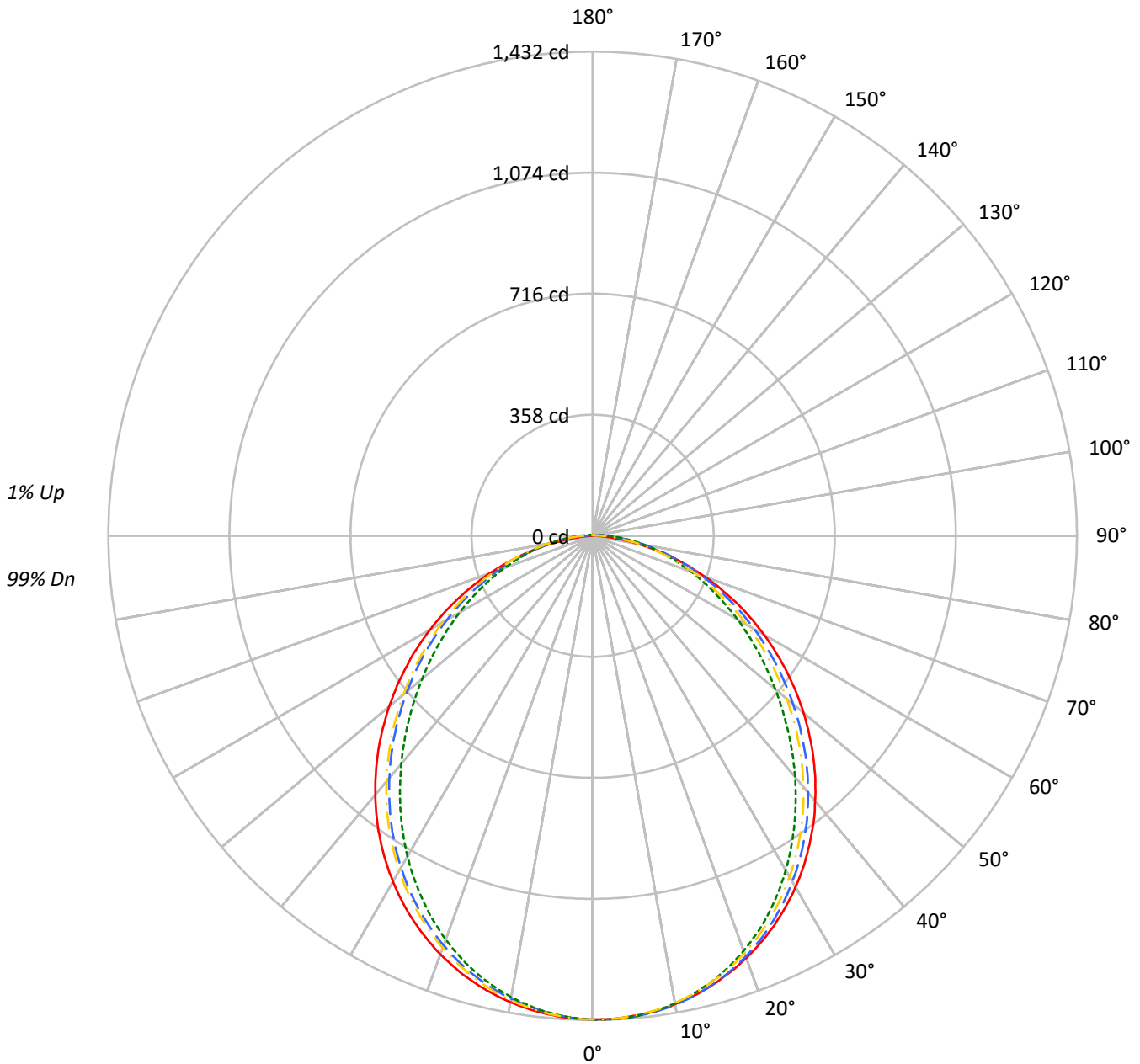
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3731.0 lumens
Efficiency: N/A
Efficacy: 130.9 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

TEST NUMBER: P563554
CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

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°	8698	8698	8698	8698
5°	8677	8568	8662	8504
10°	8650	8396	8613	8281
15°	8602	8175	8543	8008
20°	8531	7907	8455	7693
25°	8443	7596	8337	7330
30°	8322	7232	8190	6933
35°	8171	6825	8013	6496
40°	7984	6383	7797	6034
45°	7767	5919	7544	5558
50°	7511	5446	7247	5086
55°	7210	4993	6904	4623
60°	6867	4542	6507	4168
65°	6454	4083	6029	3707
70°	5928	3623	5419	3230
75°	5231	3145	4595	2721
80°	4228	2630	3439	2183
85°	2706	2101	1736	1669



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	3.6
10°-20°	383.3	10.3
20°-30°	569.3	15.3
30°-40°	663.6	17.8
40°-50°	657.0	17.6
50°-60°	564.2	15.1
60°-70°	412.9	11.1
70°-80°	234.4	6.3
80°-90°	78.1	2.1
90°-100°	14.1	0.4
100°-110°	6.0	0.2
110°-120°	3.6	0.1
120°-130°	2.5	0.1
130°-140°	2.3	0.1
140°-150°	2.1	0.1
150°-160°	1.4	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	1087.7	29.2
0°-40°	1751.3	46.9
0°-60°	2972.5	79.7
0°-90°	3697.9	99.1
90°-120°	23.7	0.6
90°-150°	30.6	0.8
90°-180°	33.0	0.9
0°-180°	3731.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1431	1431	1431	1431	1431	
5°	1425	1427	1422	1417	1425	135
15°	1374	1364	1365	1336	1374	388
25°	1271	1232	1255	1188	1271	585
35°	1117	1040	1096	990	1117	699
45°	922	818	896	768	922	711
55°	700	597	671	553	700	626
65°	469	398	438	361	469	464
75°	240	228	211	197	240	254
85°	48	95	31	75	48	57
90°	3	50	1	38	3	2
95°	0	24	0	20	0	0
105°	2	9	2	12	2	1
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	3	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	



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0
0.5°	1430.7	1430.7	1430.8	1431.0	1431.1	1431.2	1431.3	1431.3	1431.4	1431.4	1431.4
1°	1430.5	1430.6	1430.9	1431.2	1431.4	1431.5	1431.5	1431.5	1431.0	1430.5	1430.9
1.5°	1430.5	1431.1	1431.2	1430.7	1430.5	1430.6	1431.2	1431.5	1431.0	1431.7	1431.8
2°	1430.3	1430.7	1430.7	1430.7	1431.0	1431.4	1431.7	1431.7	1430.9	1431.0	1431.3
2.5°	1429.7	1430.1	1430.2	1430.3	1430.3	1429.9	1430.1	1429.9	1431.4	1430.5	1429.9
3°	1428.7	1429.0	1429.7	1430.0	1430.3	1430.4	1430.7	1430.9	1430.5	1430.3	1430.3
3.5°	1427.8	1428.5	1429.1	1430.2	1429.7	1430.0	1430.1	1429.7	1430.1	1429.1	1428.8
4°	1427.2	1428.4	1428.1	1429.4	1429.0	1429.3	1429.2	1428.9	1428.2	1429.7	1428.4
4.5°	1425.6	1426.8	1427.2	1428.0	1428.8	1428.7	1428.1	1428.7	1428.2	1428.3	1426.9
5°	1424.7	1425.8	1426.3	1426.8	1427.6	1427.6	1426.3	1426.8	1427.2	1427.2	1426.0
5.5°	1423.8	1424.9	1425.4	1425.7	1426.2	1425.7	1425.2	1425.2	1425.8	1425.5	1424.2
6°	1422.7	1423.6	1423.9	1424.6	1425.3	1424.6	1424.3	1423.9	1424.0	1423.6	1422.2
6.5°	1421.1	1422.3	1422.5	1423.0	1423.8	1423.2	1423.3	1422.3	1422.4	1422.2	1420.7
7°	1419.7	1420.4	1421.6	1421.2	1421.3	1420.5	1421.7	1420.4	1420.2	1420.1	1419.0
7.5°	1417.7	1418.5	1419.5	1420.3	1420.1	1419.4	1419.1	1418.5	1418.0	1416.9	1417.0
8°	1416.3	1416.3	1417.9	1418.1	1418.0	1417.5	1416.9	1416.5	1416.0	1415.3	1414.9
8.5°	1413.6	1413.9	1416.0	1415.7	1416.0	1415.6	1414.8	1414.2	1413.3	1412.7	1411.7
9°	1412.1	1413.3	1413.5	1414.0	1414.1	1413.5	1412.0	1411.7	1410.7	1411.1	1409.0
9.5°	1409.5	1410.7	1411.7	1411.4	1411.7	1410.4	1408.8	1408.8	1408.1	1406.7	1406.2
10°	1406.6	1408.3	1409.1	1409.2	1408.9	1408.0	1406.4	1405.4	1405.0	1405.2	1403.8
10.5°	1404.0	1405.4	1406.7	1406.8	1406.2	1405.1	1403.3	1402.3	1401.7	1401.5	1400.3
11°	1401.1	1402.0	1403.7	1403.8	1403.3	1402.6	1399.7	1399.4	1399.1	1398.1	1397.0
11.5°	1398.1	1400.0	1400.7	1401.0	1399.8	1399.4	1396.6	1396.3	1395.4	1394.7	1393.5
12°	1395.2	1396.9	1398.1	1398.3	1396.9	1395.8	1393.8	1392.7	1390.7	1391.0	1389.1
12.5°	1392.4	1393.8	1395.0	1395.1	1393.2	1392.5	1390.3	1388.9	1387.2	1386.8	1385.7
13°	1389.1	1390.9	1391.9	1391.4	1389.4	1389.1	1386.3	1385.1	1383.6	1382.1	1381.6
13.5°	1385.4	1387.6	1388.6	1388.2	1386.0	1385.3	1381.7	1380.7	1379.3	1377.7	1376.4
14°	1382.0	1384.0	1384.9	1385.0	1382.3	1380.7	1378.1	1376.3	1374.8	1373.0	1372.4
14.5°	1378.5	1380.4	1381.2	1381.2	1378.0	1376.9	1374.4	1371.8	1369.6	1369.0	1367.2
15°	1374.5	1376.8	1377.3	1377.0	1374.5	1372.8	1369.6	1367.3	1365.2	1364.4	1363.3
15.5°	1370.8	1373.0	1373.1	1372.5	1370.7	1368.6	1364.5	1363.0	1360.2	1359.6	1357.8
16°	1366.4	1369.1	1369.5	1368.5	1366.0	1363.7	1360.0	1357.8	1355.6	1353.9	1352.4
16.5°	1361.5	1364.9	1365.6	1364.5	1361.4	1358.9	1354.9	1352.3	1350.2	1348.0	1347.5
17°	1357.0	1360.7	1360.7	1360.2	1357.3	1354.2	1350.1	1346.9	1344.4	1343.3	1342.6
17.5°	1353.2	1356.0	1356.3	1355.3	1352.5	1348.9	1344.1	1341.5	1338.4	1337.8	1336.2
18°	1349.0	1351.2	1351.9	1350.5	1347.2	1343.9	1339.1	1335.9	1332.9	1331.3	1330.6
18.5°	1343.8	1347.2	1347.5	1346.0	1342.4	1338.7	1333.5	1329.9	1327.4	1325.3	1324.5
19°	1338.8	1342.5	1342.8	1340.7	1337.3	1333.0	1328.2	1324.0	1320.9	1319.0	1318.7
19.5°	1333.7	1337.1	1337.3	1335.5	1331.7	1327.0	1321.9	1318.1	1314.3	1313.4	1311.2
20°	1328.8	1331.8	1331.8	1330.2	1326.3	1321.3	1315.5	1311.5	1308.2	1305.8	1305.2
20.5°	1323.7	1326.9	1326.7	1324.7	1320.7	1315.7	1309.3	1304.8	1301.8	1299.4	1298.2
21°	1318.6	1321.7	1321.4	1319.1	1314.5	1309.4	1303.4	1298.3	1295.2	1292.2	1291.6



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1301.1	1304.3	1304.6	1301.4	1296.6	1290.4	1283.4	1277.8	1273.6	1271.2	1269.7
23°	1295.9	1298.7	1298.3	1295.3	1290.3	1284.0	1276.6	1270.6	1266.0	1264.4	1262.7
23.5°	1289.3	1292.8	1292.4	1289.1	1283.9	1276.9	1269.7	1262.9	1258.4	1256.1	1254.8
24°	1283.1	1286.7	1286.5	1282.6	1277.1	1270.1	1261.9	1255.4	1250.6	1248.3	1247.3
24.5°	1277.3	1280.4	1279.9	1276.3	1270.0	1262.9	1255.4	1248.2	1242.8	1240.2	1238.9
25°	1271.0	1274.3	1273.3	1269.7	1263.5	1255.5	1247.8	1240.4	1234.7	1231.6	1231.0
25.5°	1264.1	1267.5	1266.8	1262.8	1257.0	1248.3	1239.8	1232.3	1226.8	1223.7	1222.4
26°	1257.5	1260.3	1260.0	1255.4	1249.8	1240.5	1231.7	1223.8	1217.9	1214.5	1214.3
26.5°	1250.5	1253.9	1252.4	1248.9	1241.8	1232.9	1223.5	1215.7	1209.7	1206.6	1205.3
27°	1243.6	1247.5	1245.6	1241.3	1234.2	1225.3	1215.6	1207.3	1201.2	1197.2	1197.2
27.5°	1236.8	1240.4	1239.0	1233.7	1226.7	1217.0	1208.1	1198.7	1191.7	1189.0	1188.1
28°	1229.3	1233.2	1232.0	1226.6	1219.0	1209.1	1198.6	1190.3	1183.2	1179.8	1178.7
28.5°	1222.0	1225.8	1224.6	1219.4	1211.6	1201.2	1190.4	1181.6	1173.6	1169.7	1169.3
29°	1215.3	1218.6	1217.2	1211.5	1203.1	1192.7	1182.0	1172.4	1165.5	1161.4	1160.3
29.5°	1207.9	1211.3	1209.4	1204.1	1195.1	1184.3	1173.7	1163.3	1155.1	1151.8	1151.8
30°	1199.9	1203.0	1201.7	1195.6	1186.9	1175.6	1164.2	1154.1	1146.1	1141.9	1142.3
30.5°	1192.4	1195.4	1193.8	1188.1	1178.6	1166.6	1155.2	1144.8	1135.7	1132.6	1131.9
31°	1184.7	1188.1	1185.7	1180.1	1170.6	1158.3	1145.8	1135.2	1127.1	1123.0	1121.9
31.5°	1176.7	1180.2	1177.9	1171.4	1162.1	1149.6	1136.5	1125.4	1117.2	1112.8	1111.8
32°	1168.0	1171.5	1169.4	1162.7	1153.0	1140.1	1127.3	1116.0	1107.2	1102.5	1102.2
32.5°	1159.8	1163.1	1161.1	1153.9	1144.1	1130.9	1118.0	1106.4	1098.0	1092.4	1092.2
33°	1151.8	1155.2	1152.6	1146.0	1135.2	1122.0	1108.7	1096.3	1087.6	1082.5	1082.3
33.5°	1143.3	1146.6	1144.2	1137.5	1126.5	1112.8	1099.0	1086.7	1077.0	1072.0	1071.7
34°	1134.4	1138.3	1135.5	1128.2	1117.5	1102.9	1088.7	1076.3	1066.8	1061.4	1061.4
34.5°	1125.4	1129.5	1126.8	1119.4	1108.4	1093.4	1078.7	1065.5	1056.1	1051.2	1050.6
35°	1117.1	1120.8	1118.3	1110.5	1098.7	1083.8	1069.0	1055.3	1045.2	1040.5	1040.4
35.5°	1108.5	1111.8	1109.7	1101.6	1089.2	1073.9	1058.8	1045.1	1034.7	1030.0	1029.7
36°	1099.4	1103.3	1099.9	1092.4	1080.0	1064.1	1048.7	1034.7	1023.9	1019.4	1018.9
36.5°	1090.2	1093.7	1090.9	1082.6	1070.7	1054.5	1038.5	1024.0	1013.4	1008.0	1008.5
37°	1081.2	1084.4	1081.7	1073.4	1060.8	1044.6	1028.4	1013.7	1002.0	997.2	997.5
37.5°	1072.4	1075.0	1072.3	1064.1	1050.9	1034.5	1017.7	1002.9	991.6	986.3	986.5
38°	1063.6	1065.7	1063.3	1054.1	1041.1	1024.1	1007.1	992.1	981.0	975.1	975.0
38.5°	1053.7	1056.4	1052.9	1044.4	1030.9	1013.9	996.5	981.1	970.0	964.7	964.3
39°	1043.5	1046.9	1043.6	1034.6	1020.9	1003.7	986.2	970.3	959.3	953.2	952.8
39.5°	1033.4	1037.6	1033.9	1024.9	1010.6	992.9	975.6	959.4	947.6	942.4	942.3
40°	1023.7	1027.5	1024.3	1014.4	1000.5	982.2	964.3	948.6	936.5	931.0	931.1
40.5°	1014.4	1017.6	1014.5	1004.7	990.1	971.8	953.5	937.4	925.1	919.7	919.3
41°	1004.6	1007.6	1004.4	994.4	979.8	961.0	942.7	926.4	914.0	908.6	907.9
41.5°	994.4	997.4	994.0	984.5	969.4	950.5	931.5	915.0	902.2	896.9	896.8
42°	984.6	987.9	984.1	973.8	959.1	940.0	921.1	904.0	891.5	886.2	885.4
42.5°	974.7	977.7	973.8	964.0	947.9	929.0	910.0	893.0	880.3	874.5	874.0
43°	964.4	967.3	963.6	952.8	937.4	918.0	898.9	881.6	868.9	863.4	862.9
43.5°	953.6	957.2	953.1	942.9	927.2	907.2	887.6	870.3	857.5	851.7	851.7



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	922.3	925.5	921.5	910.6	894.9	874.2	854.3	836.5	823.4	817.6	817.4
45.5°	912.1	915.0	910.7	899.7	883.5	863.2	843.2	825.2	812.4	806.0	806.0
46°	901.1	904.4	900.2	889.1	872.6	852.0	831.6	814.0	801.5	794.2	794.9
46.5°	889.9	893.3	889.2	878.1	861.5	840.8	820.2	802.7	789.5	783.6	783.8
47°	879.0	882.8	879.0	867.3	850.8	829.6	809.1	791.2	778.0	772.3	772.0
47.5°	868.6	871.7	867.9	856.9	840.0	818.6	798.2	779.6	766.8	761.0	760.6
48°	858.0	861.1	856.9	846.0	829.2	807.3	786.9	768.6	755.9	749.3	749.9
48.5°	846.7	849.6	845.6	834.7	817.8	796.3	776.0	757.5	744.2	738.5	738.7
49°	836.2	839.6	834.5	823.1	806.6	785.2	764.5	746.4	733.3	727.0	727.0
49.5°	825.0	828.0	824.3	812.5	795.3	773.9	753.5	735.1	721.9	715.9	716.2
50°	813.9	817.3	812.9	801.6	784.0	762.6	742.5	723.9	711.4	704.6	704.9
50.5°	802.5	806.0	801.7	790.7	773.1	751.6	731.2	712.7	699.6	693.7	693.5
51°	791.5	794.9	790.3	778.8	762.1	740.4	720.1	701.9	689.3	682.5	682.2
51.5°	780.2	783.7	779.2	768.1	750.9	729.2	708.6	690.7	677.7	672.4	671.7
52°	769.3	772.7	768.3	756.7	739.5	718.4	697.9	680.1	667.2	660.7	660.9
52.5°	757.7	761.0	756.4	745.4	728.2	706.8	686.7	669.0	656.5	650.3	650.1
53°	746.4	749.9	745.5	734.0	716.9	695.7	675.6	658.1	645.8	639.1	638.9
53.5°	735.1	738.2	734.0	722.9	705.6	684.7	664.7	647.3	634.2	628.9	628.1
54°	723.8	726.8	722.8	711.8	694.6	673.5	653.8	636.4	623.9	617.7	617.9
54.5°	712.2	715.6	711.2	700.4	683.7	662.3	642.5	625.4	612.9	607.1	607.0
55°	700.5	704.3	700.2	689.1	672.1	651.0	631.6	614.6	602.6	597.3	596.1
55.5°	689.4	692.7	688.5	678.0	661.3	640.4	620.7	603.7	591.7	586.3	585.4
56°	677.6	681.1	677.3	666.5	650.1	629.7	610.3	593.0	581.4	575.6	575.3
56.5°	666.3	669.9	665.9	655.3	639.1	618.6	599.3	582.7	571.1	565.3	565.0
57°	655.2	658.1	654.3	643.8	627.5	607.5	588.5	572.1	560.3	555.1	554.5
57.5°	643.3	647.1	642.4	632.7	616.8	596.9	577.8	561.5	550.3	544.7	544.1
58°	631.6	635.1	631.7	620.9	604.9	586.0	567.4	551.4	540.0	534.1	534.3
58.5°	620.3	623.7	619.8	610.0	594.2	574.8	556.5	540.7	529.8	524.2	523.9
59°	608.5	612.5	608.4	598.7	583.2	564.1	545.9	530.3	520.0	514.7	513.8
59.5°	597.0	600.4	596.9	587.5	572.2	553.3	535.6	520.5	510.0	505.0	503.3
60°	585.2	588.9	585.8	576.0	560.9	542.6	525.0	510.5	500.0	494.9	493.4
60.5°	573.7	577.1	574.1	564.9	550.5	532.0	515.1	500.7	490.0	484.8	483.4
61°	562.1	565.3	562.6	553.7	539.6	521.6	502.1	490.4	479.9	474.7	473.5
61.5°	550.6	554.3	550.8	541.8	528.2	510.7	491.6	480.1	469.8	464.6	463.6
62°	538.9	542.8	540.0	531.0	516.9	499.8	482.0	470.0	459.7	454.4	453.7
62.5°	527.3	530.8	528.5	520.1	506.3	489.3	472.4	459.8	449.7	444.6	443.8
63°	515.6	519.4	516.8	508.8	495.4	478.9	462.8	449.7	440.2	435.2	434.4
63.5°	504.2	507.5	505.4	497.2	484.5	468.4	453.2	440.0	430.7	425.8	425.1
64°	492.4	495.8	493.5	487.2	473.4	457.9	443.0	430.5	421.3	416.5	415.6
64.5°	480.5	484.0	482.0	483.5	462.8	447.4	433.2	420.8	411.9	407.0	406.0
65°	468.7	472.3	470.6	470.1	452.8	437.0	423.4	411.3	402.5	398.0	396.8
65.5°	456.7	460.5	459.1	456.7	441.9	426.6	413.4	401.7	393.2	388.5	387.5
66°	444.8	448.8	447.7	443.4	430.9	416.6	403.6	392.3	384.2	379.4	378.6



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	410.2	413.9	413.5	408.3	399.0	386.7	374.9	364.9	357.0	352.5	351.4
68°	398.9	402.6	402.1	397.5	388.5	376.7	365.3	355.6	348.3	343.8	342.7
68.5°	387.2	391.0	391.1	386.2	378.0	366.7	356.0	346.4	339.5	335.3	333.4
69°	375.6	379.6	379.9	376.0	367.8	356.8	346.7	337.5	330.2	326.5	325.0
69.5°	364.2	368.5	368.6	365.2	357.7	347.1	337.4	328.4	321.6	317.6	316.3
70°	352.6	357.0	357.6	354.5	347.5	337.5	328.2	319.4	313.0	308.9	307.6
70.5°	341.1	345.5	346.5	343.6	337.6	328.1	319.1	310.8	304.6	300.7	298.9
71°	329.8	333.9	335.5	333.2	327.2	318.5	309.9	302.1	296.2	292.3	290.7
71.5°	318.4	322.8	324.1	322.4	317.2	308.9	301.0	293.6	287.5	283.9	282.4
72°	307.2	311.5	313.4	311.7	307.2	299.5	291.9	284.9	279.1	275.4	273.9
72.5°	296.0	300.2	302.6	301.4	297.1	289.9	283.2	276.2	270.8	267.6	265.7
73°	284.5	289.1	291.9	291.3	287.5	280.6	274.2	267.8	262.7	259.3	257.4
73.5°	272.9	278.1	280.9	280.9	277.6	271.9	265.5	259.5	254.5	251.2	249.4
74°	262.1	266.7	270.2	270.8	268.0	262.6	256.9	251.1	246.6	243.2	241.3
74.5°	251.0	256.0	259.5	260.4	258.4	253.4	248.4	243.0	238.6	235.4	233.8
75°	240.0	245.0	248.9	250.2	248.8	244.4	239.9	235.0	230.7	227.6	225.7
75.5°	228.8	234.3	238.3	240.2	239.4	235.6	231.5	226.8	222.7	220.0	218.0
76°	217.9	223.3	227.9	230.4	229.7	226.6	223.2	218.9	215.2	212.3	210.2
76.5°	207.2	212.8	217.5	220.4	220.6	218.0	214.7	211.0	207.6	204.9	202.7
77°	196.6	201.9	207.3	210.6	211.5	209.5	206.7	203.1	199.9	197.2	195.1
77.5°	185.8	191.6	197.2	200.9	202.4	201.1	198.6	195.5	192.3	190.0	187.7
78°	175.5	181.2	187.0	191.6	193.4	192.7	190.8	187.9	185.3	182.8	180.6
78.5°	164.9	171.1	177.1	182.1	184.5	184.3	182.8	180.5	178.1	175.6	173.5
79°	154.6	160.9	167.4	172.8	175.7	176.0	175.2	173.1	170.8	168.5	166.3
79.5°	144.5	150.6	157.7	163.6	167.1	168.0	167.7	165.9	163.9	161.8	159.4
80°	135.0	140.9	148.0	154.7	158.7	160.1	160.0	158.7	157.0	155.0	152.7
80.5°	125.1	131.3	138.9	145.7	150.3	152.3	152.7	151.8	150.3	148.2	146.0
81°	115.5	121.9	129.7	137.0	142.1	144.7	145.7	144.9	143.7	141.7	139.5
81.5°	106.1	112.5	120.8	128.4	134.2	137.0	138.6	138.3	137.3	135.5	133.1
82°	97.0	103.3	111.8	120.1	126.2	129.8	131.6	131.8	130.9	129.1	126.9
82.5°	87.6	94.5	103.4	111.9	118.5	122.7	124.9	125.3	124.6	122.9	120.6
83°	79.3	85.9	94.9	104.0	111.0	115.7	118.3	119.0	118.5	117.1	114.7
83.5°	70.9	77.6	86.8	96.3	103.8	108.8	111.9	112.9	112.8	111.2	108.9
84°	63.0	69.7	78.9	88.7	96.7	102.2	105.7	107.0	106.9	105.5	103.3
84.5°	55.1	61.8	71.5	81.4	89.8	95.8	99.4	101.2	101.3	100.0	97.8
85°	48.0	54.4	64.1	74.4	83.4	89.6	93.6	95.6	95.9	94.7	92.4
85.5°	41.7	47.7	57.3	67.9	76.9	83.6	87.9	90.1	90.5	89.3	87.2
86°	35.5	41.7	50.7	61.5	71.0	77.9	82.4	84.8	85.3	84.3	82.1
86.5°	29.2	35.6	45.3	55.4	65.1	72.4	77.1	79.7	80.4	79.5	77.3
87°	23.0	29.6	40.0	49.3	59.6	67.0	72.0	74.9	75.6	75.0	72.6
87.5°	17.7	23.5	34.6	44.6	54.2	61.9	67.1	70.1	71.0	70.3	68.1
88°	12.8	18.5	29.3	40.0	49.0	57.1	62.4	65.5	66.6	65.9	63.7
88.5°	8.6	14.2	24.0	35.4	45.0	52.3	57.8	61.1	62.3	61.7	59.6



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	2.7	5.0	13.2	23.2	32.8	40.8	46.6	49.4	50.7	50.1	48.7
90.5°	1.5	4.1	10.7	20.0	29.3	37.2	43.1	46.2	47.6	47.1	45.6
91°	0.3	3.2	8.6	17.2	26.1	33.7	39.7	43.1	44.5	44.1	42.5
91.5°	0.2	2.3	7.0	14.8	23.2	30.5	36.2	39.9	41.5	41.2	39.4
92°	0.2	1.4	5.7	12.7	20.6	27.7	33.1	36.8	38.4	38.2	36.3
92.5°	0.1	1.1	5.0	11.0	18.3	25.1	30.3	33.8	35.4	35.2	33.6
93°	0.1	0.9	4.4	9.5	16.3	22.7	27.8	31.2	32.8	32.7	31.1
93.5°	0.2	0.7	3.8	8.3	14.5	20.6	25.5	28.8	30.4	30.3	28.9
94°	0.2	0.6	3.2	7.4	13.0	18.7	23.4	26.6	28.1	28.1	26.7
94.5°	0.3	0.5	2.9	6.6	11.6	16.9	21.4	24.5	26.0	26.1	24.8
95°	0.3	0.5	2.7	6.0	10.5	15.4	19.6	22.6	24.2	24.2	22.9
95.5°	0.4	0.5	2.4	5.6	9.6	14.1	18.1	20.9	22.4	22.4	21.3
96°	0.4	0.5	2.1	5.3	8.9	12.9	16.7	19.3	20.7	20.8	19.7
96.5°	0.5	0.6	1.9	4.9	8.3	12.0	15.4	17.9	19.3	19.4	18.4
97°	0.5	0.6	1.7	4.6	7.8	11.1	14.3	16.7	18.0	18.2	17.2
97.5°	0.6	0.6	1.6	4.2	7.4	10.4	13.4	15.6	16.9	17.0	16.2
98°	0.6	0.6	1.5	3.9	7.0	9.9	12.5	14.6	15.8	16.0	15.2
98.5°	0.7	0.7	1.3	3.7	6.6	9.4	11.9	13.8	14.9	15.1	14.4
99°	0.7	0.7	1.2	3.4	6.2	9.0	11.3	13.1	14.1	14.3	13.7
99.5°	0.8	0.8	1.1	3.2	5.9	8.6	10.8	12.5	13.5	13.7	13.1
100°	0.9	0.8	1.1	3.0	5.6	8.2	10.4	12.0	12.9	13.1	12.5
100.5°	1.0	0.9	1.1	2.8	5.3	7.8	9.9	11.5	12.4	12.6	12.1
101°	1.1	1.0	1.0	2.6	5.0	7.4	9.5	11.1	11.9	12.1	11.7
101.5°	1.2	1.0	1.0	2.4	4.7	7.1	9.1	10.7	11.5	11.7	11.3
102°	1.3	1.1	1.1	2.2	4.4	6.7	8.7	10.2	11.1	11.3	10.9
102.5°	1.3	1.1	1.1	2.1	4.2	6.4	8.3	9.8	10.7	10.9	10.5
103°	1.4	1.2	1.0	1.9	3.9	6.1	8.0	9.4	10.3	10.5	10.1
103.5°	1.4	1.2	1.0	1.8	3.7	5.8	7.6	9.0	9.9	10.1	9.7
104°	1.5	1.2	1.0	1.7	3.4	5.5	7.3	8.7	9.5	9.7	9.3
104.5°	1.5	1.3	1.0	1.6	3.2	5.2	7.0	8.3	9.1	9.4	9.0
105°	1.5	1.5	1.0	1.5	3.0	4.9	6.6	8.0	8.8	9.0	8.6
105.5°	1.5	1.6	1.0	1.4	2.8	4.7	6.3	7.6	8.5	8.7	8.3
106°	1.5	1.6	1.0	1.4	2.6	4.4	6.0	7.3	8.2	8.4	8.0
106.5°	1.5	1.5	1.0	1.3	2.5	4.2	5.8	7.0	7.8	8.1	7.7
107°	1.5	1.4	1.0	1.3	2.3	3.9	5.5	6.7	7.5	7.8	7.4
107.5°	1.5	1.4	1.1	1.3	2.2	3.7	5.3	6.4	7.2	7.5	7.1
108°	1.5	1.5	1.1	1.2	2.1	3.5	5.0	6.1	6.9	7.2	6.9
108.5°	1.5	1.5	1.1	1.2	2.0	3.3	4.7	5.9	6.7	6.9	6.6
109°	1.5	1.6	1.1	1.2	1.9	3.1	4.5	5.6	6.4	6.6	6.3
109.5°	1.5	1.6	1.1	1.1	1.8	3.0	4.2	5.4	6.1	6.4	6.1
110°	1.5	1.6	1.2	1.1	1.7	2.8	4.0	5.1	5.9	6.1	5.9
110.5°	1.5	1.6	1.2	1.1	1.6	2.7	3.8	4.9	5.6	5.9	5.6
111°	1.5	1.6	1.2	1.1	1.6	2.5	3.6	4.7	5.4	5.6	5.4



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.6	1.5	1.4	1.2	1.5	2.1	3.1	4.0	4.7	4.9	4.7
113°	1.6	1.5	1.4	1.2	1.5	2.0	2.9	3.8	4.5	4.7	4.5
113.5°	1.6	1.5	1.4	1.3	1.4	2.0	2.8	3.7	4.3	4.5	4.3
114°	1.6	1.6	1.5	1.3	1.4	1.9	2.6	3.5	4.1	4.3	4.1
114.5°	1.7	1.6	1.5	1.3	1.3	1.9	2.5	3.3	3.9	4.1	4.0
115°	1.7	1.6	1.6	1.3	1.3	1.8	2.4	3.1	3.7	3.9	3.8
115.5°	1.7	1.6	1.6	1.4	1.3	1.8	2.3	3.0	3.5	3.8	3.6
116°	1.7	1.7	1.7	1.4	1.3	1.7	2.2	2.9	3.4	3.6	3.5
116.5°	1.7	1.7	1.7	1.4	1.3	1.7	2.2	2.7	3.2	3.4	3.4
117°	1.7	1.7	1.8	1.4	1.4	1.7	2.1	2.6	3.1	3.3	3.2
117.5°	1.7	1.8	1.9	1.4	1.4	1.6	2.0	2.5	3.0	3.2	3.1
118°	1.7	1.8	2.0	1.5	1.4	1.6	2.0	2.4	2.8	3.0	3.0
118.5°	1.7	1.8	2.1	1.5	1.4	1.5	1.9	2.4	2.7	2.9	2.9
119°	1.7	1.9	2.0	1.5	1.4	1.5	1.9	2.3	2.7	2.9	2.8
119.5°	1.8	1.9	2.0	1.6	1.5	1.5	1.9	2.2	2.6	2.8	2.8
120°	1.8	1.9	1.9	1.6	1.5	1.5	1.8	2.2	2.5	2.7	2.7
120.5°	1.8	1.9	1.9	1.6	1.5	1.5	1.8	2.1	2.4	2.6	2.6
121°	1.8	1.9	1.9	1.7	1.5	1.5	1.7	2.1	2.4	2.6	2.6
121.5°	1.8	1.9	2.0	1.7	1.6	1.5	1.6	2.0	2.3	2.5	2.5
122°	1.8	2.0	2.0	1.7	1.6	1.6	1.6	2.0	2.3	2.4	2.5
122.5°	1.9	2.0	2.0	1.8	1.6	1.6	1.6	1.9	2.2	2.4	2.4
123°	1.9	2.0	2.1	1.8	1.7	1.6	1.6	1.8	2.2	2.3	2.4
123.5°	1.9	2.0	2.1	1.9	1.7	1.6	1.6	1.8	2.1	2.3	2.3
124°	1.9	2.0	2.1	1.9	1.7	1.7	1.6	1.7	2.1	2.3	2.3
124.5°	1.9	2.1	2.1	1.9	1.8	1.7	1.6	1.7	2.0	2.2	2.2
125°	1.9	2.1	2.1	2.0	1.8	1.7	1.6	1.7	2.0	2.2	2.2
125.5°	2.0	2.1	2.1	2.1	1.8	1.8	1.7	1.7	1.9	2.1	2.2
126°	2.0	2.1	2.1	2.1	1.9	1.8	1.7	1.7	1.9	2.1	2.2
126.5°	2.0	2.1	2.1	2.2	1.9	1.8	1.7	1.8	1.9	2.1	2.2
127°	2.0	2.1	2.1	2.3	1.9	1.8	1.8	1.8	2.0	2.1	2.2
127.5°	2.0	2.1	2.1	2.4	2.0	1.9	1.8	1.9	2.0	2.1	2.2
128°	2.1	2.1	2.1	2.4	2.0	1.9	1.8	1.9	2.0	2.2	2.3
128.5°	2.1	2.1	2.1	2.5	2.0	1.9	1.9	1.9	2.1	2.2	2.3
129°	2.1	2.1	2.1	2.5	2.1	1.9	1.9	2.0	2.1	2.2	2.3
129.5°	2.1	2.1	2.1	2.5	2.1	2.0	2.0	2.0	2.1	2.3	2.3
130°	2.1	2.1	2.1	2.5	2.2	2.0	2.0	2.1	2.2	2.3	2.4
130.5°	2.1	2.1	2.1	2.5	2.2	2.1	2.1	2.1	2.2	2.3	2.4
131°	2.1	2.1	2.1	2.5	2.3	2.1	2.1	2.2	2.3	2.4	2.5
131.5°	2.2	2.1	2.1	2.5	2.3	2.2	2.1	2.2	2.3	2.4	2.5
132°	2.2	2.2	2.1	2.5	2.4	2.2	2.2	2.3	2.3	2.4	2.5
132.5°	2.2	2.2	2.2	2.6	2.4	2.3	2.2	2.3	2.4	2.5	2.6
133°	2.2	2.2	2.2	2.6	2.5	2.3	2.3	2.3	2.4	2.5	2.6
133.5°	2.2	2.2	2.2	2.7	2.6	2.4	2.3	2.4	2.4	2.5	2.6



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.2	2.3	2.3	2.7	2.9	2.5	2.5	2.5	2.6	2.6	2.8
135.5°	2.2	2.3	2.3	2.7	2.9	2.6	2.6	2.6	2.6	2.7	2.8
136°	2.2	2.3	2.3	2.7	2.9	2.6	2.6	2.6	2.7	2.7	2.9
136.5°	2.2	2.3	2.4	2.7	2.9	2.7	2.7	2.7	2.7	2.8	2.9
137°	2.2	2.3	2.4	2.7	2.9	2.8	2.7	2.7	2.7	2.8	2.9
137.5°	2.2	2.3	2.4	2.6	2.9	2.9	2.8	2.8	2.8	2.9	3.0
138°	2.2	2.4	2.4	2.6	3.0	3.0	2.8	2.8	2.8	2.9	3.0
138.5°	2.2	2.4	2.5	2.6	3.0	3.1	2.8	2.8	2.9	2.9	3.1
139°	2.2	2.4	2.5	2.6	3.0	3.2	2.9	2.9	2.9	3.0	3.1
139.5°	2.2	2.5	2.5	2.5	3.0	3.2	2.9	2.9	2.9	3.0	3.2
140°	2.3	2.5	2.5	2.5	3.1	3.3	3.0	3.0	3.0	3.1	3.2
140.5°	2.3	2.5	2.5	2.5	3.1	3.3	3.0	3.0	3.0	3.1	3.3
141°	2.3	2.5	2.5	2.5	3.1	3.3	3.1	3.0	3.1	3.2	3.3
141.5°	2.3	2.6	2.5	2.5	3.1	3.3	3.2	3.1	3.1	3.2	3.4
142°	2.3	2.6	2.6	2.5	3.1	3.4	3.3	3.1	3.1	3.3	3.4
142.5°	2.3	2.6	2.6	2.5	3.1	3.4	3.4	3.2	3.2	3.3	3.5
143°	2.3	2.6	2.6	2.5	3.0	3.4	3.5	3.2	3.2	3.4	3.6
143.5°	2.3	2.6	2.6	2.5	3.0	3.3	3.5	3.3	3.3	3.4	3.6
144°	2.3	2.6	2.6	2.5	3.0	3.3	3.6	3.4	3.4	3.5	3.7
144.5°	2.3	2.6	2.6	2.5	2.9	3.3	3.6	3.5	3.4	3.5	3.7
145°	2.3	2.6	2.6	2.4	2.9	3.3	3.6	3.6	3.5	3.6	3.8
145.5°	2.3	2.6	2.6	2.4	2.9	3.3	3.6	3.7	3.6	3.6	3.9
146°	2.3	2.6	2.7	2.4	2.8	3.3	3.6	3.8	3.7	3.7	4.0
146.5°	2.3	2.6	2.7	2.4	2.8	3.3	3.5	3.8	3.9	3.9	4.1
147°	2.2	2.7	2.7	2.4	2.8	3.3	3.5	3.8	3.9	4.0	4.2
147.5°	2.2	2.7	2.7	2.4	2.7	3.3	3.5	3.7	3.9	4.1	4.2
148°	2.3	2.7	2.7	2.4	2.7	3.3	3.5	3.7	3.9	4.1	4.2
148.5°	2.3	2.6	2.7	2.4	2.7	3.2	3.5	3.7	3.9	4.1	4.2
149°	2.2	2.6	2.7	2.5	2.6	3.2	3.5	3.7	3.9	4.1	4.2
149.5°	2.2	2.6	2.7	2.5	2.6	3.2	3.5	3.7	3.9	4.1	4.2
150°	2.2	2.6	2.7	2.5	2.6	3.1	3.5	3.7	3.9	4.1	4.2
150.5°	2.2	2.6	2.7	2.5	2.6	3.1	3.4	3.7	3.9	4.0	4.1
151°	2.1	2.6	2.7	2.5	2.6	3.0	3.4	3.7	3.8	3.9	4.1
151.5°	2.0	2.5	2.7	2.5	2.6	3.0	3.4	3.7	3.8	3.9	4.1
152°	2.0	2.5	2.7	2.5	2.5	2.9	3.3	3.7	3.8	3.9	4.1
152.5°	2.0	2.5	2.7	2.6	2.5	2.9	3.3	3.6	3.8	3.9	4.1
153°	2.0	2.5	2.7	2.6	2.5	2.8	3.2	3.6	3.8	3.9	4.0
153.5°	1.8	2.4	2.7	2.6	2.5	2.8	3.2	3.5	3.7	3.9	3.9
154°	1.7	2.4	2.7	2.6	2.6	2.8	3.1	3.5	3.7	3.8	3.9
154.5°	1.6	2.3	2.7	2.6	2.6	2.7	3.1	3.4	3.6	3.7	3.8
155°	1.6	2.3	2.7	2.6	2.6	2.7	3.0	3.3	3.5	3.7	3.7
155.5°	1.7	2.3	2.7	2.7	2.6	2.7	2.9	3.3	3.5	3.6	3.6
156°	1.6	2.4	2.7	2.7	2.6	2.7	2.9	3.2	3.4	3.5	3.5



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-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: P563554
 CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0
0.5°	1431.3	1431.3	1431.2	1431.0	1430.9	1430.7	1430.5	1430.5	1430.4	1430.4	1430.5
1°	1431.3	1431.5	1431.7	1431.8	1431.6	1431.3	1431.0	1430.6	1430.3	1430.1	1430.1
1.5°	1431.7	1431.6	1431.2	1430.5	1430.1	1430.0	1430.0	1429.9	1429.6	1429.3	1429.3
2°	1431.7	1430.6	1429.4	1429.4	1429.3	1428.8	1428.6	1428.7	1428.4	1428.3	1428.2
2.5°	1430.5	1430.4	1430.5	1429.6	1429.5	1429.2	1428.4	1428.2	1427.9	1427.7	1427.4
3°	1429.9	1429.6	1429.4	1428.7	1428.7	1428.4	1428.1	1427.6	1426.5	1425.5	1425.8
3.5°	1428.8	1428.5	1428.4	1428.5	1427.9	1426.8	1426.6	1426.8	1425.1	1424.5	1424.2
4°	1428.5	1427.9	1427.3	1427.3	1427.1	1426.4	1425.3	1425.6	1424.7	1423.5	1422.6
4.5°	1425.9	1426.7	1425.3	1426.2	1426.2	1425.2	1424.1	1423.4	1422.9	1421.9	1421.2
5°	1425.3	1425.3	1425.0	1424.3	1424.6	1424.1	1423.1	1422.2	1421.7	1420.8	1419.0
5.5°	1424.5	1423.9	1423.6	1422.8	1423.1	1422.1	1421.9	1420.9	1420.4	1419.3	1417.3
6°	1422.8	1422.2	1421.5	1421.3	1421.1	1420.6	1420.2	1419.1	1418.3	1417.6	1415.0
6.5°	1420.8	1420.3	1419.9	1419.4	1419.0	1419.5	1418.6	1417.3	1415.7	1415.6	1413.1
7°	1419.0	1418.1	1418.6	1417.7	1417.4	1417.5	1416.9	1415.0	1413.5	1412.9	1411.2
7.5°	1416.7	1416.1	1416.2	1416.2	1415.1	1415.2	1414.3	1413.5	1411.2	1410.8	1409.2
8°	1414.4	1414.1	1413.7	1413.8	1413.4	1413.4	1411.6	1410.6	1409.1	1408.5	1406.2
8.5°	1411.5	1411.6	1411.2	1411.0	1411.3	1410.5	1410.3	1408.4	1407.5	1405.7	1403.7
9°	1408.7	1409.0	1408.7	1408.6	1409.1	1407.9	1407.4	1406.4	1404.2	1402.9	1401.0
9.5°	1406.4	1406.5	1405.7	1405.8	1405.9	1405.7	1404.3	1403.2	1400.9	1399.8	1397.5
10°	1403.2	1403.3	1402.7	1403.5	1403.1	1401.9	1402.0	1400.6	1398.4	1396.9	1394.4
10.5°	1400.0	1400.4	1399.1	1400.6	1400.1	1399.4	1399.4	1397.9	1395.8	1393.3	1391.4
11°	1396.2	1397.4	1396.8	1397.9	1397.3	1396.9	1396.4	1394.9	1392.4	1389.8	1387.7
11.5°	1392.6	1393.8	1393.1	1394.1	1394.0	1394.1	1393.0	1391.2	1388.6	1386.8	1383.9
12°	1389.0	1389.8	1389.5	1390.2	1391.0	1390.3	1389.6	1387.9	1385.7	1383.6	1380.2
12.5°	1385.3	1386.3	1386.2	1386.4	1387.6	1386.8	1386.1	1384.6	1382.5	1379.3	1376.9
13°	1381.4	1382.3	1381.9	1382.3	1383.4	1383.0	1382.8	1381.2	1379.2	1375.4	1373.1
13.5°	1376.8	1377.4	1377.5	1378.8	1379.4	1379.2	1379.0	1377.4	1374.6	1371.3	1368.2
14°	1372.1	1373.2	1373.9	1375.0	1375.6	1375.4	1375.1	1374.0	1370.6	1367.4	1363.9
14.5°	1367.4	1368.6	1369.5	1370.5	1371.7	1371.6	1371.2	1369.7	1367.1	1362.9	1359.4
15°	1362.6	1364.5	1364.9	1366.2	1367.9	1367.2	1367.2	1365.1	1363.0	1357.9	1354.9
15.5°	1357.6	1360.1	1360.7	1362.0	1363.7	1362.6	1363.2	1360.8	1358.2	1353.7	1350.3
16°	1352.2	1354.6	1355.7	1357.1	1358.7	1358.6	1358.6	1356.8	1353.6	1349.8	1345.7
16.5°	1347.1	1349.7	1350.7	1352.2	1353.8	1354.1	1353.7	1352.6	1349.4	1345.1	1340.4
17°	1341.6	1344.0	1345.3	1347.1	1349.3	1349.2	1349.1	1348.0	1344.5	1339.9	1334.8
17.5°	1336.0	1338.9	1340.3	1342.0	1344.7	1344.8	1345.2	1343.0	1339.5	1335.0	1329.7
18°	1330.5	1332.7	1335.1	1337.5	1339.4	1339.5	1339.8	1337.7	1334.2	1329.8	1324.1
18.5°	1324.4	1326.4	1329.8	1331.9	1334.3	1334.1	1334.1	1332.8	1329.1	1324.0	1318.2
19°	1317.9	1320.3	1323.6	1325.8	1328.9	1329.2	1329.3	1327.7	1324.3	1318.4	1312.8
19.5°	1311.5	1314.3	1317.6	1320.5	1323.1	1323.6	1323.9	1322.3	1318.7	1312.9	1306.7
20°	1305.8	1308.7	1311.8	1314.8	1317.3	1318.4	1318.4	1317.0	1313.2	1307.2	1300.8
20.5°	1299.2	1302.1	1305.8	1308.3	1311.9	1312.5	1312.6	1311.6	1307.6	1301.4	1294.6
21°	1292.2	1296.1	1299.0	1302.2	1305.6	1307.1	1307.1	1305.5	1301.7	1295.1	1288.4



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1271.0	1274.5	1279.0	1283.6	1287.2	1289.1	1289.1	1287.1	1283.3	1276.0	1269.2
23°	1263.6	1267.5	1272.4	1276.8	1280.7	1282.5	1282.7	1280.7	1277.0	1270.0	1261.9
23.5°	1256.1	1260.2	1265.1	1269.5	1274.5	1276.5	1276.7	1274.7	1270.4	1263.8	1255.1
24°	1248.1	1253.1	1257.6	1262.8	1267.4	1269.7	1270.1	1268.4	1264.1	1256.9	1248.2
24.5°	1240.3	1245.2	1250.5	1255.5	1260.4	1263.1	1263.9	1261.8	1257.3	1249.9	1241.0
25°	1232.7	1237.4	1243.2	1248.3	1253.3	1256.4	1257.3	1255.1	1250.5	1242.6	1233.5
25.5°	1224.5	1229.8	1235.3	1240.7	1246.0	1249.3	1250.1	1248.1	1243.5	1235.5	1226.5
26°	1216.3	1221.8	1227.7	1233.0	1239.0	1242.1	1242.8	1241.5	1236.6	1228.2	1218.8
26.5°	1208.0	1213.2	1219.6	1225.4	1231.9	1235.3	1235.8	1234.3	1229.1	1221.1	1211.2
27°	1199.2	1205.2	1211.5	1217.8	1223.9	1227.7	1228.5	1226.6	1222.0	1213.5	1203.4
27.5°	1190.8	1196.4	1203.4	1209.8	1216.7	1220.1	1221.0	1219.4	1214.5	1206.0	1195.4
28°	1181.7	1188.2	1194.7	1202.2	1208.7	1212.2	1213.3	1211.9	1206.9	1198.3	1187.2
28.5°	1172.9	1179.2	1186.6	1194.0	1200.4	1204.7	1205.9	1204.6	1199.2	1190.3	1179.6
29°	1163.8	1170.4	1178.3	1185.1	1192.9	1197.4	1198.5	1196.6	1191.5	1182.5	1171.2
29.5°	1154.2	1160.9	1169.3	1176.7	1184.6	1188.8	1190.9	1188.9	1183.2	1174.3	1162.5
30°	1145.3	1152.3	1160.6	1168.6	1176.3	1181.6	1182.3	1180.9	1175.0	1166.1	1154.3
30.5°	1135.9	1142.3	1151.6	1160.3	1167.8	1173.0	1174.0	1172.4	1167.7	1157.7	1145.6
31°	1125.5	1133.7	1142.8	1151.1	1159.6	1164.2	1166.3	1164.9	1159.1	1149.0	1137.0
31.5°	1115.7	1124.3	1133.5	1142.0	1151.2	1156.2	1157.8	1156.2	1150.4	1141.0	1128.3
32°	1106.1	1114.4	1124.0	1133.5	1142.0	1147.5	1149.1	1148.0	1142.5	1132.2	1119.4
32.5°	1096.2	1105.1	1115.0	1124.3	1133.0	1139.0	1140.8	1139.7	1133.5	1123.6	1110.6
33°	1086.2	1094.9	1105.6	1115.1	1124.8	1130.0	1132.4	1130.7	1125.1	1114.8	1101.1
33.5°	1076.0	1085.1	1095.7	1106.1	1115.4	1121.4	1123.2	1122.3	1116.3	1105.6	1091.9
34°	1065.8	1075.1	1086.1	1096.6	1105.7	1112.4	1114.5	1113.9	1107.5	1096.7	1082.8
34.5°	1055.9	1065.0	1076.2	1086.9	1096.7	1103.7	1105.8	1104.7	1098.1	1087.9	1074.5
35°	1045.3	1054.4	1066.2	1077.0	1087.7	1094.2	1096.9	1095.5	1089.3	1078.6	1065.5
35.5°	1034.2	1044.6	1056.2	1067.4	1078.2	1084.5	1087.6	1086.4	1080.3	1069.9	1055.4
36°	1023.6	1034.1	1046.1	1058.0	1068.2	1075.7	1078.4	1077.7	1071.3	1060.1	1045.4
36.5°	1013.0	1023.3	1036.1	1048.3	1058.8	1066.5	1069.2	1068.5	1061.6	1050.3	1035.3
37°	1002.2	1013.0	1025.7	1037.5	1049.6	1057.2	1059.7	1058.8	1051.9	1040.5	1025.3
37.5°	991.7	1002.2	1015.4	1028.0	1039.5	1047.4	1050.1	1049.1	1042.3	1030.7	1015.3
38°	980.6	991.8	1005.3	1018.1	1029.9	1037.4	1040.4	1039.4	1032.6	1021.0	1005.4
38.5°	970.1	980.6	995.0	1007.6	1019.1	1027.4	1030.8	1029.7	1022.9	1011.1	995.1
39°	959.0	970.3	984.2	997.2	1009.3	1017.4	1020.9	1019.8	1013.0	1001.2	985.2
39.5°	948.2	959.3	973.5	986.9	999.2	1007.5	1010.7	1009.6	1002.8	991.4	974.7
40°	936.8	948.2	962.7	976.5	989.0	997.7	1000.9	999.7	993.0	981.1	964.6
40.5°	925.3	937.3	951.5	966.4	978.4	987.6	990.8	989.4	982.9	971.1	954.4
41°	914.0	926.0	941.0	955.3	968.3	976.9	980.4	979.5	972.8	961.1	944.1
41.5°	903.3	915.1	930.2	944.5	957.5	966.7	970.4	969.3	962.8	950.3	933.2
42°	892.2	904.6	919.3	933.9	947.1	956.1	959.6	959.4	952.1	939.5	922.6
42.5°	881.1	893.3	908.5	923.3	936.3	945.6	949.4	948.8	942.0	929.4	911.8
43°	869.8	881.4	897.2	912.4	925.8	935.8	938.9	938.2	931.3	919.0	902.1
43.5°	858.1	870.8	886.4	901.6	915.4	924.7	928.4	927.7	920.6	908.3	891.1



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	824.6	837.1	853.1	868.7	883.2	892.6	896.2	895.8	889.0	875.9	858.4
45.5°	812.9	825.5	842.0	857.7	871.6	881.2	885.7	885.1	877.7	865.0	847.5
46°	801.5	814.1	830.7	846.5	860.6	870.9	874.5	874.1	866.6	854.4	836.6
46.5°	790.1	803.2	819.0	835.3	849.3	859.5	863.5	862.9	855.8	843.4	825.7
47°	779.0	791.4	807.9	824.4	838.8	849.0	852.9	852.0	844.8	832.3	814.6
47.5°	767.6	780.9	796.6	813.0	827.7	838.0	841.2	841.1	833.9	821.2	803.5
48°	756.3	768.9	785.3	801.7	816.5	826.8	830.3	829.6	822.9	810.3	792.4
48.5°	745.2	757.8	774.6	790.8	804.7	815.1	819.0	818.7	811.7	799.1	781.0
49°	733.7	746.8	763.5	779.4	794.2	804.2	808.0	807.7	800.8	787.8	770.2
49.5°	722.8	735.7	752.1	768.0	782.5	793.4	797.2	796.4	789.4	776.6	759.2
50°	711.7	723.9	740.7	756.4	771.8	782.0	785.9	785.3	778.2	765.7	747.8
50.5°	700.6	712.9	729.4	745.7	760.3	770.8	774.5	773.9	767.2	754.2	736.4
51°	689.2	701.8	718.2	734.6	749.3	759.2	763.0	762.5	755.3	742.9	725.3
51.5°	678.4	691.2	706.9	723.3	737.6	748.3	751.6	751.2	744.3	732.0	714.0
52°	667.4	679.6	695.8	711.7	726.5	736.2	740.5	739.9	733.0	720.2	702.7
52.5°	656.6	668.6	684.6	700.5	715.0	725.2	729.3	729.6	721.5	708.7	691.5
53°	645.7	657.7	673.3	689.4	703.9	713.7	718.6	718.1	710.0	697.5	680.4
53.5°	634.7	646.9	662.4	678.0	692.6	702.6	708.2	705.4	698.7	686.4	669.1
54°	623.8	635.0	651.5	666.7	681.3	690.9	696.0	693.9	686.9	674.8	658.1
54.5°	613.3	624.7	640.2	655.6	669.5	679.9	683.3	682.5	675.6	663.6	646.9
55°	602.2	614.0	629.2	644.5	658.4	668.3	671.8	670.8	664.0	652.2	635.4
55.5°	591.3	603.2	618.5	633.3	646.8	656.9	659.9	659.0	652.3	640.7	624.0
56°	580.7	592.2	607.3	621.9	635.5	644.9	648.4	648.8	641.2	629.2	612.9
56.5°	570.3	581.4	596.2	610.8	624.2	633.4	637.6	637.2	629.8	617.8	601.7
57°	560.0	570.7	585.0	599.8	612.9	622.1	627.4	624.1	618.5	606.5	590.4
57.5°	549.4	560.3	574.1	589.1	601.5	610.8	615.3	612.9	606.1	594.9	579.3
58°	538.9	549.7	563.7	577.9	590.0	599.3	601.9	601.3	594.7	583.6	568.0
58.5°	528.8	538.9	552.5	566.3	578.6	587.5	590.4	589.9	583.0	572.5	556.7
59°	518.6	528.4	541.5	555.0	567.6	576.0	579.1	578.4	571.8	560.7	545.4
59.5°	508.2	518.2	530.9	544.1	556.4	565.3	568.5	566.0	559.9	549.2	534.6
60°	498.3	507.9	520.2	533.3	545.9	553.9	556.4	554.5	548.5	538.0	523.0
60.5°	488.2	497.5	509.7	522.3	534.9	541.7	543.7	543.0	536.5	526.4	512.1
61°	478.1	487.2	499.4	511.5	522.9	529.6	531.8	531.5	525.1	514.9	501.0
61.5°	468.1	476.8	488.7	501.1	511.1	518.5	520.6	519.4	513.1	503.3	489.6
62°	458.0	466.4	478.1	490.0	503.3	508.3	509.8	507.9	501.5	492.2	478.6
62.5°	447.9	456.0	467.4	479.4	491.3	504.6	494.9	495.9	490.2	480.8	467.3
63°	437.9	446.0	456.6	468.1	480.3	490.5	483.4	484.6	478.7	469.4	456.8
63.5°	428.5	436.1	446.0	456.7	467.9	477.0	472.3	472.7	466.7	458.2	445.8
64°	419.0	426.2	435.6	445.6	455.4	463.4	461.1	460.8	455.4	446.9	434.7
64.5°	409.4	416.1	425.5	434.9	443.9	449.9	449.8	449.2	443.8	435.4	423.6
65°	399.9	406.5	415.5	424.5	432.5	437.8	438.2	437.8	432.5	424.1	413.1
65.5°	390.5	396.9	405.2	413.7	421.4	426.2	427.2	426.0	420.8	412.9	402.0
66°	381.0	387.2	394.9	403.4	410.4	415.8	415.7	414.3	409.4	401.7	391.1



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	353.7	358.5	365.6	372.2	377.9	381.1	380.7	379.7	375.1	368.3	359.1
68°	344.5	349.3	355.8	361.8	367.0	370.1	369.1	368.3	363.6	357.0	348.1
68.5°	335.6	339.9	345.7	351.5	356.2	358.7	358.1	356.7	352.0	345.8	337.7
69°	326.6	330.4	336.1	341.1	345.3	347.6	346.6	345.1	340.6	335.0	327.1
69.5°	317.5	321.0	326.4	331.1	334.9	336.8	335.3	333.4	329.4	324.1	316.8
70°	308.5	312.1	316.9	321.2	324.3	325.4	323.6	322.3	318.3	313.1	306.2
70.5°	300.0	303.1	307.5	311.1	313.7	314.2	312.4	310.9	306.7	302.4	295.7
71°	291.5	294.2	298.0	301.2	303.2	303.4	300.9	299.7	295.8	291.2	285.2
71.5°	282.8	285.5	288.6	291.2	292.8	292.3	289.8	288.3	284.6	280.5	275.1
72°	274.2	276.5	279.2	281.4	282.4	281.6	278.8	277.0	273.4	269.7	265.0
72.5°	265.9	267.5	270.0	271.5	272.3	270.9	267.7	265.7	262.3	259.2	254.9
73°	257.3	258.7	260.8	261.9	262.2	260.1	256.6	254.6	251.3	248.5	244.6
73.5°	249.1	250.1	251.7	252.4	252.0	249.6	245.7	243.6	240.5	238.0	234.7
74°	241.1	241.7	242.9	243.1	241.9	239.0	234.7	232.6	229.8	227.5	224.8
74.5°	232.9	233.3	234.0	233.6	231.9	228.6	223.8	221.5	219.0	217.0	215.2
75°	224.8	224.8	225.1	224.0	221.9	218.1	213.2	210.8	208.4	206.9	205.5
75.5°	216.9	216.6	216.3	214.8	212.2	207.8	202.6	200.0	197.7	196.9	196.1
76°	209.1	208.5	207.7	205.7	202.6	197.7	192.0	189.4	187.3	186.8	186.4
76.5°	201.4	200.3	199.1	196.5	193.0	187.6	181.4	178.7	177.0	177.0	177.3
77°	193.6	192.3	190.9	188.0	183.5	177.6	171.4	168.4	166.8	167.1	168.0
77.5°	186.0	184.5	182.5	179.1	174.1	167.8	161.1	158.2	156.6	157.7	159.1
78°	178.7	176.8	174.2	170.4	164.9	158.1	151.2	148.0	146.8	148.1	149.8
78.5°	171.4	169.1	166.3	161.9	156.0	148.7	141.4	138.1	137.0	138.8	141.3
79°	164.2	161.7	158.3	153.5	147.1	139.3	131.8	128.7	127.8	130.1	133.2
79.5°	157.1	154.3	150.6	145.0	138.5	130.1	122.0	119.3	118.6	121.5	125.1
80°	150.1	147.1	143.0	137.1	129.8	121.0	112.8	109.8	109.4	112.9	117.0
80.5°	143.3	139.9	135.5	128.9	121.3	112.3	103.8	100.4	100.2	104.2	108.9
81°	136.7	133.1	128.2	121.4	113.2	103.8	95.0	91.4	91.6	95.6	100.8
81.5°	130.2	126.3	121.0	113.8	105.3	95.5	86.3	82.4	83.2	87.5	93.2
82°	123.7	119.5	114.1	106.6	97.4	87.3	78.0	73.9	74.8	79.6	85.8
82.5°	117.3	113.1	107.3	99.3	89.9	79.5	70.0	66.0	66.9	72.1	78.8
83°	111.4	106.8	100.7	92.5	82.7	71.9	62.3	58.2	59.4	65.0	72.0
83.5°	105.4	100.8	94.4	85.8	75.7	64.7	55.0	50.9	52.4	58.0	65.5
84°	99.6	94.9	88.3	79.4	68.9	57.7	48.0	43.7	45.4	51.4	59.3
84.5°	94.2	89.1	82.2	73.0	62.5	51.1	42.0	37.1	38.9	45.1	53.4
85°	88.7	83.5	76.4	67.2	56.4	45.7	36.1	30.8	32.7	39.4	47.9
85.5°	83.4	78.1	70.9	61.6	50.7	40.4	30.2	25.0	27.1	34.0	42.7
86°	78.3	73.0	65.7	56.2	46.0	35.0	24.3	20.8	22.0	29.1	37.9
86.5°	73.5	68.2	60.6	51.2	41.3	29.7	19.2	16.5	18.6	24.5	33.4
87°	68.8	63.4	55.7	47.1	36.7	24.3	14.8	12.3	15.1	20.6	29.2
87.5°	64.3	58.7	51.3	42.9	32.0	20.2	11.0	8.1	11.7	18.0	25.5
88°	59.9	54.4	47.5	38.7	27.4	16.6	7.9	3.9	8.3	15.4	22.1
88.5°	55.8	50.1	43.7	34.5	23.7	13.6	5.5	1.8	5.1	12.8	19.2



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	45.2	39.9	32.7	24.1	15.1	7.0	2.5	0.6	2.1	6.4	13.5
90.5°	42.0	36.6	29.6	21.4	12.9	5.7	1.5	0.4	1.8	5.5	11.9
91°	38.8	33.5	26.8	19.0	11.1	5.0	1.1	0.3	1.6	4.8	10.3
91.5°	35.8	30.8	24.3	16.8	9.5	4.4	0.9	0.2	1.4	4.3	8.8
92°	33.0	28.1	21.9	15.0	8.4	3.8	0.7	0.2	1.3	4.0	8.0
92.5°	30.4	25.8	19.9	13.3	7.3	3.1	0.6	0.3	1.2	3.8	7.4
93°	28.1	23.6	18.0	11.9	6.6	2.8	0.5	0.3	1.1	3.5	7.0
93.5°	25.9	21.7	16.3	10.7	6.0	2.5	0.5	0.4	1.0	3.3	6.6
94°	23.9	19.8	14.9	9.8	5.5	2.3	0.5	0.4	1.0	3.3	6.3
94.5°	22.1	18.2	13.6	9.0	5.2	2.1	0.5	0.5	1.0	3.2	6.0
95°	20.4	16.8	12.5	8.3	4.9	1.9	0.5	0.5	1.0	3.2	5.8
95.5°	18.9	15.5	11.6	7.8	4.6	1.8	0.6	0.6	1.0	3.1	5.6
96°	17.5	14.4	10.8	7.4	4.3	1.7	0.7	0.7	1.0	3.0	5.5
96.5°	16.3	13.4	10.2	7.0	4.0	1.6	0.7	0.8	1.0	2.9	5.4
97°	15.2	12.6	9.6	6.7	3.8	1.5	0.8	0.8	1.0	2.8	5.3
97.5°	14.3	11.9	9.2	6.4	3.6	1.4	0.9	0.9	0.9	2.7	5.2
98°	13.5	11.3	8.8	6.1	3.4	1.3	0.9	1.0	1.0	2.6	5.2
98.5°	12.9	10.8	8.4	5.8	3.2	1.3	1.0	1.1	1.0	2.6	5.1
99°	12.3	10.4	8.1	5.5	3.0	1.2	1.1	1.2	1.1	2.6	5.0
99.5°	11.8	10.0	7.7	5.2	2.9	1.2	1.2	1.3	1.2	2.5	4.9
100°	11.4	9.6	7.4	4.9	2.7	1.2	1.2	1.5	1.3	2.5	4.7
100.5°	10.9	9.2	7.1	4.7	2.5	1.2	1.3	1.6	1.4	2.5	4.6
101°	10.6	8.9	6.8	4.4	2.4	1.2	1.4	1.7	1.5	2.5	4.5
101.5°	10.2	8.5	6.5	4.2	2.3	1.2	1.4	1.8	1.5	2.4	4.4
102°	9.8	8.2	6.2	4.0	2.1	1.2	1.5	1.8	1.6	2.3	4.3
102.5°	9.4	7.8	5.9	3.8	2.0	1.2	1.6	1.9	1.7	2.2	4.3
103°	9.0	7.5	5.7	3.6	1.9	1.3	1.7	1.9	1.7	2.2	4.2
103.5°	8.7	7.2	5.4	3.5	1.8	1.4	1.7	2.0	1.8	2.1	4.1
104°	8.4	6.9	5.2	3.3	1.8	1.4	1.8	2.0	1.9	2.1	4.0
104.5°	8.1	6.7	5.0	3.1	1.8	1.5	1.9	2.0	2.0	2.0	3.9
105°	7.7	6.4	4.7	3.0	1.8	1.6	2.0	2.1	2.0	2.0	3.8
105.5°	7.4	6.1	4.5	2.8	1.7	1.7	2.3	2.2	2.1	2.0	3.7
106°	7.1	5.9	4.3	2.7	1.7	1.7	2.6	2.3	2.2	2.0	3.5
106.5°	6.8	5.6	4.1	2.6	1.7	1.7	2.9	2.3	2.4	1.9	3.4
107°	6.6	5.4	3.9	2.5	1.7	1.8	3.1	2.4	2.6	1.9	3.2
107.5°	6.3	5.2	3.8	2.4	1.7	1.8	3.2	2.4	2.8	1.9	3.2
108°	6.1	4.9	3.6	2.3	1.7	1.9	3.1	2.5	2.8	1.9	3.1
108.5°	5.8	4.7	3.4	2.2	1.8	1.9	3.1	2.5	2.7	2.0	3.0
109°	5.6	4.5	3.3	2.2	1.8	2.0	3.0	2.5	2.7	2.0	2.9
109.5°	5.4	4.3	3.1	2.1	1.9	2.0	3.0	2.6	2.8	2.1	2.8
110°	5.2	4.1	3.0	2.0	1.9	2.1	2.9	2.6	2.8	2.1	2.8
110.5°	4.9	3.9	2.9	2.0	1.9	2.2	2.9	2.6	2.9	2.2	2.7
111°	4.7	3.7	2.7	2.0	2.0	2.3	2.9	2.7	3.0	2.2	2.7



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	4.1	3.3	2.4	1.9	2.0	2.6	3.0	2.8	3.2	2.4	2.6
113°	4.0	3.2	2.4	1.9	2.1	2.7	3.0	2.8	3.3	2.4	2.5
113.5°	3.8	3.1	2.3	1.9	2.1	2.9	3.1	2.8	3.3	2.5	2.4
114°	3.7	3.0	2.3	1.9	2.2	3.0	3.1	2.8	3.4	2.5	2.4
114.5°	3.5	2.9	2.3	2.0	2.3	3.2	3.2	2.8	3.4	2.5	2.3
115°	3.4	2.8	2.3	2.0	2.4	3.3	3.2	2.8	3.5	2.6	2.2
115.5°	3.3	2.7	2.3	2.1	2.4	3.4	3.2	2.8	3.5	2.6	2.2
116°	3.1	2.7	2.2	2.1	2.5	3.6	3.3	2.8	3.5	2.7	2.2
116.5°	3.0	2.6	2.2	2.2	2.6	3.7	3.3	2.8	3.5	2.8	2.2
117°	2.9	2.6	2.2	2.3	2.7	3.7	3.3	2.8	3.6	2.8	2.3
117.5°	2.9	2.5	2.1	2.3	2.8	3.7	3.4	2.9	3.6	2.9	2.3
118°	2.8	2.5	2.1	2.4	2.8	3.8	3.4	2.9	3.7	3.0	2.4
118.5°	2.7	2.4	2.2	2.5	2.9	3.9	3.5	2.9	3.7	3.0	2.5
119°	2.6	2.4	2.2	2.5	3.0	4.0	3.5	2.9	3.7	3.1	2.5
119.5°	2.6	2.3	2.2	2.6	3.0	4.2	3.5	2.9	3.7	3.1	2.5
120°	2.5	2.3	2.2	2.7	3.1	4.2	3.6	2.9	3.8	3.3	2.6
120.5°	2.5	2.3	2.3	2.7	3.2	4.3	3.6	2.9	3.8	3.4	2.7
121°	2.4	2.2	2.3	2.8	3.2	4.4	3.6	2.9	3.8	3.4	2.7
121.5°	2.4	2.2	2.4	2.8	3.3	4.4	3.6	2.9	3.8	3.4	2.8
122°	2.3	2.2	2.4	2.9	3.4	4.5	3.6	2.9	3.8	3.4	2.8
122.5°	2.3	2.2	2.5	2.9	3.5	4.4	3.6	2.9	3.8	3.4	2.9
123°	2.3	2.2	2.6	3.0	3.6	4.3	3.5	2.9	3.8	3.4	2.9
123.5°	2.2	2.3	2.6	3.0	3.7	4.2	3.5	2.9	3.9	3.5	3.0
124°	2.2	2.3	2.7	3.1	3.7	4.2	3.5	2.9	3.9	3.5	3.0
124.5°	2.2	2.3	2.7	3.1	3.8	4.1	3.5	2.9	3.9	3.6	3.0
125°	2.2	2.4	2.8	3.2	3.9	4.1	3.4	2.9	3.9	3.6	3.1
125.5°	2.2	2.4	2.8	3.3	4.1	4.0	3.4	2.9	3.9	3.6	3.1
126°	2.3	2.5	2.9	3.3	4.2	4.0	3.4	2.9	3.9	3.7	3.2
126.5°	2.3	2.5	2.9	3.4	4.3	3.9	3.4	2.9	3.9	3.7	3.2
127°	2.3	2.6	3.0	3.4	4.4	3.9	3.3	2.9	3.9	3.7	3.2
127.5°	2.3	2.6	3.0	3.5	4.3	3.9	3.3	2.9	3.9	3.8	3.3
128°	2.4	2.7	3.1	3.6	4.4	3.8	3.3	2.9	3.9	3.8	3.3
128.5°	2.4	2.7	3.1	3.7	4.5	3.8	3.3	2.9	3.9	3.8	3.4
129°	2.5	2.7	3.2	3.7	4.6	3.8	3.3	2.9	3.9	3.8	3.5
129.5°	2.5	2.8	3.2	3.8	4.6	3.8	3.3	2.9	3.9	3.8	3.6
130°	2.5	2.8	3.3	3.9	4.6	3.8	3.3	3.0	3.9	3.8	3.7
130.5°	2.6	2.9	3.3	4.0	4.7	3.8	3.3	3.0	3.9	3.9	3.7
131°	2.6	2.9	3.4	4.0	4.7	3.8	3.3	3.0	3.9	3.9	3.7
131.5°	2.7	3.0	3.4	4.1	4.8	3.8	3.3	3.0	3.9	3.9	3.7
132°	2.7	3.0	3.5	4.2	4.8	3.8	3.3	3.0	3.9	3.9	3.6
132.5°	2.7	3.1	3.6	4.3	4.7	3.8	3.3	3.0	3.9	4.0	3.7
133°	2.8	3.1	3.6	4.4	4.7	3.7	3.3	3.0	3.9	4.0	3.7
133.5°	2.8	3.2	3.7	4.5	4.7	3.7	3.3	3.0	3.8	4.0	3.7



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-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: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0
0.5°	1430.5	1430.5	1430.5	1430.6	1430.6	1430.6	1430.6	1430.7	1430.7	1430.7	1430.7
1°	1430.1	1430.1	1429.9	1429.6	1429.3	1429.1	1429.2	1429.5	1429.9	1430.2	1430.4
1.5°	1429.3	1429.3	1429.4	1429.2	1429.1	1429.0	1429.2	1429.4	1429.6	1429.7	1429.9
2°	1428.1	1428.1	1427.9	1427.7	1427.4	1427.4	1427.6	1427.9	1428.4	1428.7	1428.8
2.5°	1427.2	1427.1	1426.5	1425.9	1426.0	1426.2	1426.2	1426.3	1426.8	1427.4	1427.8
3°	1425.9	1425.7	1424.9	1424.7	1424.9	1425.1	1425.0	1425.0	1425.4	1426.0	1426.2
3.5°	1423.7	1423.5	1423.3	1422.9	1423.0	1423.5	1423.7	1423.9	1424.3	1424.8	1425.3
4°	1422.5	1422.4	1421.8	1421.3	1421.5	1422.0	1422.2	1422.3	1422.4	1423.0	1423.5
4.5°	1420.3	1420.0	1419.9	1419.9	1419.8	1419.6	1419.8	1420.2	1420.4	1421.3	1422.4
5°	1418.6	1418.4	1417.6	1417.2	1416.8	1416.6	1417.2	1418.0	1418.8	1419.9	1421.2
5.5°	1416.8	1416.1	1415.6	1415.0	1414.8	1415.1	1415.1	1415.7	1416.8	1418.2	1419.6
6°	1414.2	1413.6	1413.2	1412.8	1412.7	1412.4	1412.3	1412.9	1414.2	1415.3	1417.0
6.5°	1411.7	1410.7	1410.2	1409.9	1409.7	1409.9	1409.9	1410.7	1411.9	1413.2	1415.1
7°	1409.7	1408.7	1407.5	1406.8	1407.0	1407.3	1407.6	1408.3	1409.6	1410.6	1413.2
7.5°	1407.3	1406.3	1404.6	1404.1	1403.6	1403.1	1403.8	1405.0	1406.4	1408.1	1410.4
8°	1404.0	1403.2	1401.8	1400.8	1400.3	1400.4	1400.8	1402.0	1403.4	1405.0	1407.6
8.5°	1400.9	1399.3	1398.5	1397.6	1396.8	1397.1	1397.4	1398.7	1400.5	1402.1	1404.8
9°	1397.3	1396.0	1395.1	1393.9	1393.7	1393.6	1393.7	1394.9	1397.1	1399.6	1402.7
9.5°	1394.5	1392.9	1391.0	1390.2	1389.9	1389.6	1389.8	1391.4	1393.5	1396.1	1399.5
10°	1392.0	1389.4	1387.6	1386.4	1386.0	1386.0	1385.9	1387.5	1390.1	1392.9	1396.0
10.5°	1388.0	1385.8	1383.6	1382.1	1381.5	1380.9	1381.9	1383.8	1386.2	1389.3	1393.2
11°	1384.0	1381.8	1379.5	1378.2	1377.4	1377.3	1377.6	1379.3	1382.2	1385.2	1389.4
11.5°	1379.9	1377.5	1375.2	1373.6	1373.0	1372.4	1373.3	1375.0	1378.1	1382.1	1385.2
12°	1376.5	1373.2	1370.6	1369.2	1368.2	1367.9	1369.1	1371.1	1374.0	1378.4	1382.4
12.5°	1372.6	1369.0	1366.4	1364.8	1363.8	1362.8	1364.2	1366.3	1369.5	1373.7	1378.9
13°	1368.3	1364.4	1361.6	1359.6	1358.0	1357.6	1359.4	1361.4	1364.5	1369.3	1374.2
13.5°	1363.3	1359.4	1356.5	1354.3	1352.7	1352.6	1354.1	1356.1	1359.8	1364.5	1370.2
14°	1359.1	1354.8	1351.6	1349.2	1347.5	1348.0	1348.5	1351.0	1355.2	1360.6	1365.2
14.5°	1354.3	1349.5	1346.5	1344.1	1341.6	1342.0	1343.6	1345.8	1350.0	1355.6	1361.0
15°	1349.3	1344.5	1341.4	1338.4	1336.7	1336.4	1337.7	1340.6	1344.4	1350.2	1356.2
15.5°	1344.7	1339.6	1335.5	1332.3	1331.1	1330.3	1331.8	1334.7	1339.3	1345.1	1351.4
16°	1339.5	1334.3	1329.7	1326.2	1324.2	1324.1	1325.5	1328.8	1333.5	1339.5	1346.0
16.5°	1334.1	1328.7	1324.0	1320.3	1318.4	1318.6	1319.8	1322.8	1328.0	1334.1	1340.7
17°	1328.7	1322.9	1318.3	1314.6	1312.5	1312.1	1313.5	1316.7	1322.0	1329.0	1335.5
17.5°	1323.0	1317.1	1312.3	1308.3	1306.0	1305.4	1307.3	1310.3	1315.7	1323.0	1330.6
18°	1317.2	1310.9	1305.9	1301.6	1299.2	1298.3	1299.9	1304.3	1309.8	1317.0	1325.0
18.5°	1311.2	1304.9	1299.1	1294.5	1292.5	1292.0	1293.6	1297.8	1304.0	1311.1	1319.2
19°	1305.7	1298.2	1292.3	1287.7	1286.1	1284.6	1286.1	1290.6	1296.7	1304.7	1312.7
19.5°	1298.9	1291.7	1285.6	1280.8	1278.8	1277.6	1279.4	1283.5	1289.9	1298.6	1307.0
20°	1292.9	1285.5	1278.9	1273.8	1271.0	1270.4	1272.8	1276.7	1283.5	1292.2	1301.7
20.5°	1286.6	1278.7	1272.1	1266.4	1263.2	1262.9	1265.2	1270.0	1276.7	1285.7	1295.6
21°	1279.8	1271.9	1264.9	1258.9	1255.5	1255.3	1257.6	1262.4	1269.8	1279.2	1288.7



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1259.4	1250.1	1242.3	1236.4	1232.0	1231.3	1233.4	1238.6	1247.0	1258.2	1268.6
23°	1252.6	1242.7	1234.9	1228.2	1224.0	1223.8	1225.4	1231.0	1239.7	1250.8	1262.2
23.5°	1245.1	1234.8	1226.6	1220.0	1216.4	1214.9	1217.0	1222.7	1232.0	1243.1	1255.0
24°	1237.9	1227.3	1218.5	1211.1	1207.5	1206.0	1208.0	1214.8	1223.7	1235.3	1247.4
24.5°	1230.4	1219.7	1210.1	1202.5	1199.0	1197.0	1200.1	1207.1	1216.3	1227.7	1240.3
25°	1223.7	1211.8	1202.5	1194.5	1190.7	1188.4	1191.4	1198.7	1208.1	1220.0	1232.6
25.5°	1215.1	1203.5	1194.2	1185.8	1181.2	1179.7	1182.5	1189.4	1199.3	1211.8	1225.4
26°	1207.1	1195.2	1185.1	1177.2	1172.6	1170.6	1173.7	1180.7	1191.5	1204.2	1217.9
26.5°	1199.3	1187.1	1176.2	1168.2	1163.8	1161.5	1164.1	1171.9	1182.7	1196.0	1209.7
27°	1191.7	1179.2	1167.8	1158.8	1154.1	1152.7	1155.2	1162.7	1174.0	1187.4	1201.7
27.5°	1183.3	1169.9	1158.8	1149.4	1144.1	1143.6	1146.1	1153.4	1165.0	1179.4	1193.4
28°	1174.6	1161.3	1150.0	1140.2	1135.2	1133.7	1137.0	1145.1	1156.5	1170.7	1185.7
28.5°	1166.5	1153.1	1141.1	1131.5	1125.8	1124.0	1127.0	1135.4	1147.5	1161.8	1176.7
29°	1158.1	1143.8	1131.8	1121.6	1115.9	1115.0	1118.1	1125.5	1137.6	1152.7	1168.4
29.5°	1149.4	1134.6	1122.4	1112.0	1106.4	1104.6	1107.2	1116.0	1128.7	1144.3	1160.4
30°	1140.6	1125.5	1112.9	1102.4	1096.2	1094.7	1098.1	1106.7	1119.5	1135.5	1151.7
30.5°	1131.6	1116.6	1103.4	1092.6	1086.8	1084.7	1088.0	1096.7	1109.7	1126.0	1142.7
31°	1122.7	1107.2	1093.8	1082.9	1076.8	1074.6	1078.3	1087.2	1100.3	1116.7	1134.2
31.5°	1113.5	1097.8	1084.2	1072.9	1066.4	1064.2	1068.1	1077.5	1091.0	1107.8	1124.9
32°	1104.1	1088.6	1074.6	1062.5	1056.0	1053.8	1057.7	1067.2	1081.6	1098.4	1116.1
32.5°	1095.5	1079.1	1064.6	1052.0	1045.6	1043.4	1047.4	1056.8	1071.7	1089.2	1106.9
33°	1085.9	1069.1	1054.6	1041.6	1035.2	1033.1	1037.1	1046.5	1061.5	1079.8	1097.9
33.5°	1076.0	1059.1	1044.6	1031.1	1024.8	1022.7	1026.8	1036.2	1051.3	1070.1	1088.6
34°	1067.8	1049.3	1034.7	1021.2	1013.7	1012.1	1015.6	1025.7	1041.2	1060.2	1079.2
34.5°	1057.8	1039.4	1024.6	1011.3	1003.4	1001.1	1005.2	1015.8	1031.1	1050.3	1070.2
35°	1047.8	1029.3	1013.5	1000.7	992.9	990.3	994.8	1005.5	1020.9	1040.5	1060.5
35.5°	1037.8	1019.2	1003.2	990.2	982.2	979.7	984.0	995.1	1010.4	1030.5	1050.8
36°	1027.9	1009.3	993.1	979.0	971.1	968.7	973.0	983.5	1000.0	1020.6	1041.2
36.5°	1017.7	998.9	981.9	968.3	959.9	957.9	962.2	973.2	989.4	1009.9	1031.5
37°	1007.6	988.0	971.5	957.8	948.8	946.5	951.0	962.7	978.9	999.5	1021.4
37.5°	997.4	977.6	960.8	947.0	938.6	935.6	940.3	951.5	968.0	988.9	1011.3
38°	986.8	966.9	949.8	935.4	927.0	925.1	929.0	940.9	957.7	978.7	1000.5
38.5°	976.6	956.6	939.1	924.8	916.1	913.2	918.2	929.9	946.9	968.4	990.4
39°	966.3	946.1	928.1	913.6	905.2	902.5	907.4	919.1	936.2	957.9	980.3
39.5°	955.7	935.7	917.6	902.6	894.3	891.2	895.7	907.8	925.2	947.1	970.1
40°	945.5	924.7	906.7	891.9	882.8	880.1	885.0	896.9	914.2	936.5	959.6
40.5°	935.0	913.9	895.7	880.6	871.5	868.9	873.2	885.4	903.9	925.8	949.4
41°	924.4	903.1	884.7	869.2	860.4	857.6	862.7	874.8	892.6	915.2	938.6
41.5°	913.6	892.4	873.8	858.4	849.2	846.7	851.0	863.7	881.9	904.5	928.1
42°	902.7	881.3	862.4	847.3	837.6	835.2	840.2	852.3	870.8	893.3	918.0
42.5°	892.4	870.8	851.5	836.1	826.6	824.1	828.8	841.4	860.1	882.3	906.7
43°	881.8	859.5	840.7	824.9	815.0	813.1	818.0	830.4	849.0	871.9	896.3
43.5°	870.7	848.7	829.4	813.5	804.3	801.6	806.5	818.8	837.4	861.1	885.5



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	837.9	815.2	795.7	780.2	771.0	767.8	772.5	785.5	804.0	828.0	853.1
45.5°	827.0	804.4	785.2	768.9	759.6	756.8	761.8	774.5	793.0	816.9	842.0
46°	816.0	793.5	773.7	758.0	748.3	746.1	750.8	763.6	782.4	805.9	831.2
46.5°	804.8	782.4	762.7	746.8	737.3	734.8	739.6	752.7	771.4	794.8	820.0
47°	794.0	771.0	751.5	735.7	725.9	723.6	728.6	741.2	760.1	783.7	809.4
47.5°	782.7	760.0	740.7	724.7	715.0	712.8	717.6	730.2	749.0	772.7	798.2
48°	771.3	749.2	729.0	713.5	704.2	701.4	706.1	718.9	737.9	761.4	787.0
48.5°	760.2	738.0	718.4	702.7	693.4	690.5	695.6	708.0	726.8	750.5	775.6
49°	749.4	726.8	707.3	691.9	682.1	679.5	684.8	697.3	716.3	739.8	764.6
49.5°	738.8	715.7	696.6	681.0	671.1	669.1	673.8	686.4	704.8	728.6	753.9
50°	726.7	704.7	685.3	669.8	660.2	658.0	663.3	675.3	694.3	717.3	743.0
50.5°	716.2	693.6	673.8	658.8	649.8	647.3	651.8	664.1	683.1	706.2	731.7
51°	704.8	682.3	663.4	648.2	638.8	637.0	641.4	653.6	671.8	695.2	720.8
51.5°	693.6	671.4	652.7	637.6	628.1	626.1	630.9	643.2	661.3	684.4	709.5
52°	682.2	660.8	641.9	626.9	617.5	615.4	620.2	632.7	650.6	673.9	698.5
52.5°	671.2	649.8	631.1	616.1	607.2	605.4	609.5	621.9	640.0	662.8	687.4
53°	660.2	638.9	619.9	605.3	596.5	594.8	599.2	611.2	629.1	651.7	676.4
53.5°	649.2	627.9	609.1	594.8	585.9	584.1	589.1	600.4	618.5	640.9	665.9
54°	638.2	617.2	598.4	584.4	575.6	573.2	578.0	589.7	607.6	630.0	654.7
54.5°	627.1	605.9	587.7	573.7	565.1	563.4	568.1	579.3	597.1	619.0	643.2
55°	616.0	594.8	577.2	563.5	554.7	553.0	557.5	569.1	586.3	608.5	632.3
55.5°	605.3	584.3	566.6	553.0	545.0	543.1	547.6	558.6	575.7	597.7	621.0
56°	594.0	573.5	555.9	542.8	534.6	533.0	537.4	548.1	565.1	586.9	610.3
56.5°	582.9	562.5	545.7	532.6	524.1	522.5	527.3	538.2	554.9	576.1	599.2
57°	572.0	552.0	535.0	522.3	514.3	512.9	517.3	528.2	544.3	565.2	588.3
57.5°	560.7	541.5	525.0	511.9	504.2	502.6	506.8	517.6	534.0	554.5	577.2
58°	549.9	530.7	514.4	501.9	494.6	492.9	497.2	507.5	523.5	543.7	566.4
58.5°	538.8	520.4	504.3	491.8	484.6	483.2	487.4	497.5	513.4	533.4	555.9
59°	528.1	509.8	493.8	482.0	474.6	473.3	477.5	487.7	503.1	522.9	545.0
59.5°	517.3	499.0	484.0	471.9	464.6	463.5	468.2	477.8	493.2	512.3	534.1
60°	506.3	488.9	474.0	461.9	455.4	454.2	458.2	467.8	482.9	501.9	522.9
60.5°	495.7	478.4	463.7	452.1	445.6	444.3	448.4	458.0	472.9	491.5	511.9
61°	484.7	468.0	453.6	442.4	435.9	434.9	438.7	448.3	462.7	481.1	501.6
61.5°	474.0	457.7	443.8	433.1	427.0	425.5	429.5	438.8	453.0	470.7	490.6
62°	463.0	447.4	434.1	423.2	417.1	416.2	420.0	429.3	443.0	460.6	479.9
62.5°	452.7	437.3	424.0	413.6	407.6	407.0	410.7	419.6	433.2	450.4	469.3
63°	442.2	427.2	414.0	404.0	398.5	397.6	401.3	410.0	423.3	440.1	458.7
63.5°	431.8	416.9	404.2	394.6	389.4	388.5	392.2	400.6	413.6	430.2	448.4
64°	420.9	406.8	395.1	385.4	380.3	379.5	382.9	391.4	403.8	420.1	437.7
64.5°	410.5	396.8	385.2	376.0	370.9	370.5	373.9	382.0	394.2	409.9	427.3
65°	400.1	386.9	375.6	366.9	362.2	361.4	365.0	372.9	384.8	400.0	416.8
65.5°	389.7	377.1	366.5	357.9	353.1	352.5	356.0	363.7	375.5	390.0	406.4
66°	379.7	367.3	357.1	348.5	343.9	343.4	346.7	354.3	365.8	380.3	396.0



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	348.5	337.7	328.7	321.7	317.8	317.4	320.6	327.6	337.8	350.8	364.9
68°	338.3	328.2	319.5	312.7	309.3	309.0	312.1	318.8	328.4	341.2	355.1
68.5°	328.5	318.6	310.4	304.1	300.8	300.2	303.4	310.1	319.5	331.7	345.1
69°	318.4	309.0	301.4	295.4	292.2	292.0	294.8	301.3	310.4	322.1	335.2
69.5°	308.4	299.7	292.3	286.6	283.4	283.4	286.3	292.6	301.3	312.5	324.9
70°	298.7	290.4	283.6	278.0	275.3	275.4	278.1	283.9	292.3	302.9	314.9
70.5°	288.5	281.0	274.6	269.7	267.1	267.2	269.9	275.3	283.4	293.8	304.7
71°	278.8	271.8	266.0	261.3	259.0	259.0	261.6	266.9	274.7	284.4	295.3
71.5°	269.3	262.7	257.2	252.9	250.7	250.8	253.5	258.5	266.0	275.2	285.3
72°	259.6	253.7	248.6	244.7	242.7	243.1	245.5	250.3	257.3	266.2	275.8
72.5°	250.0	244.6	240.1	236.5	234.8	235.0	237.5	242.2	248.7	257.0	265.9
73°	240.6	235.8	231.6	228.4	226.7	227.2	229.4	234.0	240.0	248.0	256.8
73.5°	231.2	227.0	223.1	220.3	219.1	219.3	221.7	225.7	231.7	239.0	247.1
74°	221.8	218.1	215.0	212.6	211.2	212.0	214.0	217.9	223.4	230.3	237.6
74.5°	212.6	209.5	206.7	204.8	203.7	204.4	206.4	210.1	215.2	221.5	228.2
75°	203.7	201.1	198.8	196.9	196.2	196.9	198.8	202.2	207.0	212.8	219.3
75.5°	194.8	192.7	190.6	189.4	188.8	189.4	191.3	194.5	198.8	204.2	210.1
76°	185.7	184.4	183.0	181.8	181.3	182.1	183.8	187.0	191.1	195.8	201.1
76.5°	177.0	176.1	175.2	174.4	174.1	174.9	176.6	179.5	183.1	187.4	192.2
77°	168.5	168.0	167.7	167.1	167.0	167.8	169.5	172.0	175.4	179.1	183.4
77.5°	159.8	160.1	160.0	160.1	160.2	161.0	162.6	164.8	167.8	171.1	174.3
78°	151.6	152.5	152.7	153.0	153.5	154.3	155.6	157.8	160.4	163.2	166.0
78.5°	143.6	145.0	145.6	146.1	146.8	147.6	148.9	150.8	152.9	155.3	157.5
79°	135.5	137.4	138.5	139.4	140.1	141.1	142.3	144.0	145.7	147.5	149.3
79.5°	127.9	130.2	131.8	132.9	133.8	134.8	136.1	137.3	138.7	140.1	140.9
80°	120.4	123.5	125.5	126.8	127.9	128.7	129.7	130.7	132.0	132.7	133.2
80.5°	112.9	116.8	119.2	120.9	122.1	122.9	123.8	124.6	125.7	125.7	125.7
81°	105.4	110.0	112.9	114.9	116.3	117.1	118.0	118.7	119.3	118.9	118.3
81.5°	98.4	103.2	106.5	108.9	110.4	111.3	112.2	112.8	113.0	112.2	110.9
82°	91.9	96.7	100.3	103.0	104.6	105.6	106.3	106.9	106.6	105.4	103.5
82.5°	85.2	90.7	94.5	97.3	99.2	100.2	100.9	101.0	100.3	98.9	96.2
83°	78.8	84.6	88.8	91.8	93.8	95.0	95.5	95.4	94.5	92.5	89.6
83.5°	72.7	78.8	83.4	86.5	88.5	89.7	90.3	90.0	88.8	86.4	83.0
84°	66.9	73.2	78.0	81.4	83.5	84.7	85.2	84.8	83.3	80.5	76.7
84.5°	61.3	68.1	73.0	76.4	78.7	79.9	80.3	79.7	78.0	74.9	70.5
85°	56.0	63.0	68.0	71.7	74.0	75.2	75.5	74.7	72.8	69.5	64.8
85.5°	51.0	58.1	63.3	67.1	69.4	70.6	70.8	70.0	67.9	64.3	59.3
86°	46.3	53.3	58.8	62.7	65.1	66.3	66.5	65.5	63.1	59.3	54.0
86.5°	41.8	49.1	54.6	58.5	60.9	62.1	62.2	61.1	58.7	54.5	48.9
87°	37.7	45.0	50.5	54.5	57.0	58.2	58.2	57.0	54.4	50.1	44.3
87.5°	33.8	41.1	46.7	50.8	53.2	54.4	54.4	53.1	50.3	45.9	39.9
88°	30.3	37.5	43.1	47.2	49.7	50.8	50.8	49.4	46.4	42.0	35.8
88.5°	27.1	34.2	39.8	43.8	46.2	47.4	47.3	45.8	42.9	38.3	32.2



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	19.4	25.8	31.0	34.9	37.3	38.3	38.1	36.5	33.3	28.8	22.7
90.5°	17.4	23.5	28.6	32.3	34.7	35.7	35.4	33.8	30.7	26.1	20.2
91°	15.6	21.4	26.3	30.0	32.3	33.3	33.0	31.3	28.2	23.7	18.1
91.5°	14.2	19.6	24.3	27.8	30.1	31.0	30.6	29.0	26.0	21.6	16.2
92°	13.3	18.1	22.5	25.9	28.0	28.9	28.6	26.9	24.0	19.8	14.5
92.5°	12.4	16.7	20.9	24.1	26.2	27.0	26.6	25.0	22.1	18.1	13.5
93°	11.6	15.5	19.5	22.6	24.5	25.3	24.9	23.3	20.5	16.6	12.6
93.5°	10.7	14.5	18.3	21.2	23.1	23.8	23.4	21.8	19.1	15.5	11.6
94°	9.9	13.7	17.3	20.0	21.7	22.4	22.0	20.5	17.9	14.4	10.7
94.5°	9.4	13.1	16.4	19.0	20.6	21.2	20.8	19.3	16.9	13.5	9.7
95°	9.0	12.5	15.6	18.1	19.6	20.2	19.7	18.3	15.9	12.8	9.2
95.5°	8.7	12.0	14.9	17.2	18.7	19.2	18.8	17.4	15.1	12.2	8.8
96°	8.4	11.6	14.3	16.5	17.9	18.3	17.9	16.7	14.5	11.7	8.5
96.5°	8.2	11.3	13.8	15.8	17.1	17.6	17.2	16.0	13.9	11.3	8.2
97°	8.0	10.9	13.4	15.3	16.5	16.9	16.6	15.4	13.4	10.8	7.8
97.5°	7.8	10.6	12.9	14.8	15.9	16.3	16.0	14.9	13.0	10.4	7.5
98°	7.7	10.3	12.5	14.3	15.4	15.8	15.5	14.5	12.7	10.0	7.2
98.5°	7.6	10.0	12.2	13.9	15.0	15.4	15.1	14.0	12.2	9.6	6.9
99°	7.5	9.8	11.9	13.5	14.5	14.9	14.6	13.6	11.8	9.3	6.8
99.5°	7.4	9.7	11.6	13.2	14.1	14.5	14.2	13.2	11.5	9.0	6.7
100°	7.3	9.5	11.4	12.9	13.8	14.1	13.8	12.8	11.1	8.7	6.6
100.5°	7.2	9.4	11.2	12.6	13.5	13.8	13.4	12.4	10.8	8.6	6.5
101°	7.1	9.3	11.0	12.3	13.2	13.5	13.1	12.0	10.4	8.5	6.5
101.5°	7.0	9.1	10.8	12.1	12.9	13.2	12.7	11.7	10.1	8.4	6.4
102°	6.8	9.0	10.7	11.9	12.6	12.9	12.4	11.5	10.0	8.3	6.3
102.5°	6.7	8.9	10.5	11.7	12.4	12.6	12.2	11.3	9.9	8.2	6.2
103°	6.6	8.8	10.3	11.5	12.2	12.4	12.1	11.2	9.7	8.1	6.0
103.5°	6.4	8.6	10.2	11.3	12.0	12.2	11.9	11.1	9.6	8.0	5.8
104°	6.3	8.5	10.0	11.2	11.8	12.1	11.7	10.9	9.5	7.9	5.7
104.5°	6.1	8.3	9.9	11.0	11.6	11.9	11.6	10.8	9.4	7.7	5.5
105°	6.0	8.1	9.7	10.8	11.5	11.8	11.4	10.6	9.3	7.6	5.3
105.5°	5.9	7.9	9.5	10.6	11.3	11.6	11.3	10.5	9.2	7.4	5.2
106°	5.7	7.8	9.4	10.5	11.1	11.5	11.2	10.3	9.0	7.2	5.0
106.5°	5.6	7.6	9.2	10.3	11.0	11.3	11.0	10.2	8.9	7.0	4.9
107°	5.5	7.5	9.0	10.1	10.8	11.1	10.8	10.0	8.7	6.8	4.8
107.5°	5.4	7.3	8.8	9.9	10.6	10.9	10.6	9.8	8.5	6.6	4.6
108°	5.2	7.1	8.6	9.7	10.4	10.7	10.5	9.6	8.2	6.5	4.5
108.5°	5.1	7.0	8.4	9.5	10.2	10.5	10.3	9.4	8.0	6.3	4.4
109°	4.9	6.8	8.3	9.3	10.0	10.3	10.1	9.2	7.8	6.1	4.3
109.5°	4.8	6.7	8.1	9.1	9.8	10.1	9.8	8.9	7.6	6.0	4.2
110°	4.7	6.5	7.9	8.9	9.5	9.8	9.6	8.7	7.4	5.8	4.1
110.5°	4.5	6.4	7.7	8.7	9.3	9.6	9.4	8.5	7.2	5.7	3.9
111°	4.4	6.2	7.5	8.5	9.1	9.4	9.1	8.3	7.0	5.5	3.8



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	3.9	5.7	7.1	7.9	8.5	8.7	8.5	7.7	6.5	5.2	3.5
113°	3.7	5.5	6.9	7.7	8.3	8.5	8.3	7.5	6.3	5.0	3.3
113.5°	3.6	5.3	6.7	7.6	8.1	8.3	8.1	7.3	6.2	4.9	3.2
114°	3.5	5.2	6.6	7.4	7.9	8.1	7.9	7.2	6.0	4.8	3.1
114.5°	3.4	5.0	6.4	7.2	7.7	7.9	7.7	7.0	5.8	4.7	3.0
115°	3.3	4.8	6.2	7.1	7.6	7.7	7.5	6.8	5.7	4.5	2.9
115.5°	3.2	4.6	6.0	6.9	7.4	7.5	7.3	6.6	5.5	4.3	2.9
116°	3.2	4.4	5.9	6.8	7.2	7.3	7.1	6.4	5.4	4.2	2.8
116.5°	3.1	4.3	5.7	6.6	7.1	7.2	7.0	6.2	5.2	4.0	2.8
117°	3.0	4.1	5.5	6.4	6.9	7.0	6.8	6.0	5.0	3.9	2.7
117.5°	3.0	4.0	5.3	6.2	6.8	6.8	6.6	5.9	4.9	3.8	2.7
118°	3.0	3.8	5.0	6.1	6.6	6.7	6.4	5.7	4.7	3.7	2.6
118.5°	2.9	3.7	4.8	5.9	6.4	6.5	6.2	5.6	4.5	3.5	2.5
119°	2.8	3.6	4.7	5.7	6.2	6.3	6.1	5.4	4.3	3.4	2.4
119.5°	2.7	3.5	4.5	5.4	6.0	6.1	5.9	5.2	4.1	3.3	2.3
120°	2.6	3.4	4.3	5.2	5.8	5.9	5.7	4.9	4.0	3.2	2.2
120.5°	2.5	3.3	4.2	5.0	5.6	5.7	5.5	4.8	3.9	3.1	2.2
121°	2.4	3.3	4.0	4.8	5.4	5.5	5.3	4.6	3.7	3.0	2.1
121.5°	2.3	3.2	3.9	4.6	5.1	5.3	5.0	4.4	3.6	3.0	2.1
122°	2.3	3.2	3.8	4.5	4.9	5.1	4.9	4.3	3.5	2.9	2.1
122.5°	2.4	3.1	3.7	4.3	4.7	4.9	4.7	4.1	3.4	2.8	2.1
123°	2.4	3.0	3.6	4.2	4.6	4.7	4.5	4.0	3.3	2.7	2.2
123.5°	2.5	2.9	3.5	4.1	4.4	4.5	4.4	3.9	3.2	2.5	2.2
124°	2.5	2.8	3.4	3.9	4.3	4.4	4.2	3.8	3.1	2.4	2.2
124.5°	2.5	2.7	3.3	3.8	4.2	4.2	4.1	3.7	3.1	2.3	2.3
125°	2.6	2.5	3.2	3.7	4.0	4.1	4.0	3.6	3.0	2.2	2.3
125.5°	2.6	2.4	3.2	3.6	3.9	4.0	3.9	3.5	2.9	2.1	2.3
126°	2.7	2.3	3.1	3.6	3.8	3.9	3.8	3.4	2.8	2.0	2.4
126.5°	2.8	2.3	2.9	3.5	3.7	3.8	3.7	3.3	2.6	1.9	2.4
127°	2.8	2.3	2.8	3.4	3.6	3.7	3.6	3.3	2.5	2.0	2.4
127.5°	2.9	2.4	2.7	3.3	3.5	3.6	3.5	3.2	2.4	2.0	2.5
128°	2.9	2.4	2.6	3.2	3.5	3.5	3.4	3.1	2.3	2.0	2.5
128.5°	2.9	2.5	2.4	3.0	3.4	3.4	3.3	2.9	2.2	2.1	2.5
129°	3.0	2.5	2.3	2.9	3.3	3.3	3.2	2.7	2.1	2.1	2.5
129.5°	3.0	2.5	2.3	2.8	3.1	3.2	3.1	2.6	2.1	2.2	2.5
130°	3.1	2.6	2.3	2.6	3.0	3.1	2.9	2.5	2.1	2.2	2.5
130.5°	3.1	2.6	2.3	2.5	2.8	2.9	2.8	2.4	2.1	2.2	2.5
131°	3.1	2.7	2.4	2.3	2.7	2.8	2.6	2.3	2.2	2.3	2.5
131.5°	3.1	2.7	2.4	2.3	2.5	2.6	2.5	2.2	2.2	2.3	2.5
132°	3.2	2.7	2.5	2.3	2.4	2.5	2.4	2.2	2.2	2.4	2.6
132.5°	3.2	2.8	2.5	2.3	2.3	2.3	2.3	2.2	2.3	2.4	2.6
133°	3.3	2.8	2.5	2.3	2.2	2.2	2.2	2.3	2.3	2.5	2.7
133.5°	3.4	2.9	2.6	2.4	2.3	2.2	2.3	2.3	2.3	2.5	2.8



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	3.5	3.0	2.7	2.5	2.4	2.3	2.4	2.4	2.5	2.7	3.0
135.5°	3.6	3.1	2.7	2.5	2.4	2.3	2.4	2.4	2.5	2.7	3.1
136°	3.6	3.1	2.7	2.6	2.4	2.4	2.4	2.5	2.6	2.8	3.1
136.5°	3.7	3.2	2.8	2.6	2.5	2.4	2.5	2.5	2.6	2.8	3.1
137°	3.7	3.2	2.8	2.6	2.5	2.5	2.5	2.5	2.7	2.9	3.1
137.5°	3.7	3.3	2.9	2.7	2.5	2.5	2.5	2.6	2.7	2.9	3.1
138°	3.6	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.8	3.0	3.0
138.5°	3.5	3.4	3.0	2.7	2.6	2.5	2.6	2.6	2.8	3.1	2.9
139°	3.5	3.5	3.0	2.8	2.7	2.6	2.7	2.7	2.9	3.2	2.9
139.5°	3.5	3.5	3.1	2.8	2.7	2.6	2.7	2.7	2.9	3.2	2.9
140°	3.5	3.5	3.1	2.9	2.7	2.7	2.7	2.8	3.0	3.2	2.9
140.5°	3.5	3.6	3.2	2.9	2.8	2.7	2.8	2.8	3.1	3.3	2.9
141°	3.5	3.6	3.3	3.0	2.8	2.8	2.8	2.9	3.2	3.3	2.9
141.5°	3.5	3.7	3.4	3.0	2.8	2.8	2.9	3.0	3.3	3.3	2.9
142°	3.5	3.6	3.5	3.1	2.9	2.9	2.9	3.0	3.3	3.3	2.9
142.5°	3.5	3.6	3.5	3.2	2.9	2.9	3.0	3.1	3.4	3.2	2.9
143°	3.5	3.5	3.5	3.3	3.0	3.0	3.0	3.2	3.4	3.1	2.9
143.5°	3.5	3.4	3.6	3.4	3.1	3.0	3.1	3.3	3.4	3.1	2.9
144°	3.5	3.4	3.6	3.5	3.2	3.1	3.2	3.4	3.4	3.1	2.9
144.5°	3.5	3.4	3.6	3.5	3.3	3.2	3.4	3.5	3.4	3.1	2.9
145°	3.5	3.4	3.6	3.5	3.4	3.4	3.4	3.5	3.4	3.1	2.9
145.5°	3.5	3.4	3.5	3.6	3.5	3.5	3.5	3.5	3.3	3.1	2.9
146°	3.5	3.4	3.4	3.6	3.5	3.5	3.5	3.5	3.2	3.1	2.9
146.5°	3.5	3.4	3.4	3.6	3.6	3.5	3.6	3.5	3.2	3.1	2.9
147°	3.5	3.4	3.4	3.5	3.6	3.6	3.6	3.5	3.2	3.0	2.8
147.5°	3.5	3.4	3.4	3.4	3.6	3.6	3.6	3.4	3.2	3.0	2.8
148°	3.5	3.4	3.4	3.4	3.5	3.6	3.5	3.3	3.2	3.0	2.8
148.5°	3.5	3.4	3.4	3.4	3.4	3.5	3.4	3.3	3.2	3.0	2.8
149°	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.0	2.8
149.5°	3.5	3.4	3.4	3.4	3.3	3.4	3.4	3.3	3.2	3.0	2.8
150°	3.5	3.4	3.4	3.4	3.3	3.4	3.4	3.3	3.2	3.0	2.8
150.5°	3.5	3.4	3.4	3.4	3.3	3.4	3.4	3.3	3.2	2.9	2.8
151°	3.4	3.4	3.4	3.4	3.3	3.4	3.3	3.3	3.1	2.9	2.8
151.5°	3.5	3.3	3.3	3.4	3.3	3.3	3.4	3.3	3.1	2.9	2.8
152°	3.6	3.3	3.3	3.4	3.3	3.4	3.4	3.3	3.1	2.9	2.9
152.5°	3.7	3.3	3.3	3.3	3.3	3.4	3.4	3.2	3.1	2.9	2.9
153°	3.7	3.3	3.3	3.3	3.3	3.4	3.4	3.2	3.1	2.9	2.9
153.5°	3.7	3.3	3.3	3.3	3.3	3.4	3.3	3.2	3.1	2.9	2.9
154°	3.7	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1	2.9	2.9
154.5°	3.7	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0	2.9
155°	3.8	3.5	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0	3.0
155.5°	3.6	3.5	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0	3.0
156°	3.6	3.6	3.3	3.3	3.2	3.3	3.3	3.2	3.1	3.0	3.0



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	3.8	3.5	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1
158°	3.6	3.5	3.5	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1
158.5°	3.4	3.4	3.5	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1
159°	3.3	3.4	3.5	3.4	3.3	3.3	3.3	3.4	3.3	3.3	3.2
159.5°	3.3	3.4	3.6	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.2
160°	3.3	3.4	3.6	3.5	3.4	3.4	3.4	3.4	3.5	3.4	3.3
160.5°	3.2	3.4	3.6	3.6	3.5	3.4	3.4	3.4	3.5	3.4	3.3
161°	3.2	3.4	3.6	3.6	3.5	3.5	3.5	3.5	3.6	3.5	3.3
161.5°	3.2	3.3	3.5	3.7	3.5	3.5	3.5	3.6	3.6	3.5	3.4
162°	3.2	3.2	3.4	3.7	3.6	3.6	3.6	3.6	3.7	3.6	3.4
162.5°	3.2	3.2	3.4	3.7	3.7	3.6	3.7	3.7	3.7	3.6	3.3
163°	3.1	3.2	3.4	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.3
163.5°	3.1	3.2	3.3	3.6	3.8	3.7	3.8	3.8	3.8	3.6	3.4
164°	3.1	3.2	3.2	3.5	3.8	3.8	3.8	3.8	3.8	3.7	3.4
164.5°	3.1	3.2	3.2	3.5	3.8	3.8	3.8	3.9	3.8	3.7	3.0
165°	3.0	3.2	3.2	3.5	3.8	3.8	3.9	3.9	3.8	3.5	2.8
165.5°	3.0	3.2	3.2	3.4	3.8	3.9	3.9	3.9	3.8	3.0	3.2
166°	3.0	3.2	3.2	3.2	3.7	3.9	3.9	3.9	3.7	3.0	3.4
166.5°	2.9	3.2	3.2	3.2	3.7	3.9	3.9	3.9	3.8	3.5	3.0
167°	2.9	3.4	3.2	3.2	3.6	3.9	3.9	4.0	3.3	3.4	2.6
167.5°	2.9	3.4	3.3	3.1	3.5	3.9	3.9	3.9	3.0	2.8	3.0
168°	3.0	3.4	3.4	3.1	3.5	3.9	3.9	3.9	3.3	2.6	3.3
168.5°	3.1	3.5	3.6	3.1	3.2	3.8	3.9	3.8	3.6	3.3	3.1
169°	3.1	3.4	3.6	3.2	3.1	3.8	3.8	3.8	2.9	3.4	3.1
169.5°	3.0	3.4	3.5	3.3	3.1	3.7	3.8	3.5	2.5	3.3	3.2
170°	3.1	3.3	3.5	3.4	3.0	3.6	3.8	3.0	3.4	3.3	3.2
170.5°	3.1	3.3	3.4	3.5	3.0	3.5	3.7	2.9	3.4	3.4	3.2
171°	3.1	3.2	3.3	3.4	3.0	3.4	3.7	2.9	3.2	3.3	3.1
171.5°	3.1	3.2	3.3	3.4	3.0	3.3	3.6	2.6	3.4	3.3	3.1
172°	3.0	3.1	3.2	3.3	3.2	3.0	3.5	2.7	3.4	3.2	3.1
172.5°	3.0	3.1	3.2	3.3	3.2	2.9	3.4	3.1	3.3	3.2	3.0
173°	3.0	3.1	3.1	3.2	3.2	2.8	3.2	3.1	3.2	3.1	2.9
173.5°	3.0	3.0	3.1	3.2	3.2	2.8	2.8	3.2	3.1	3.0	2.9
174°	2.9	3.0	3.0	3.1	3.1	2.7	2.4	3.1	3.0	2.9	2.8
174.5°	2.9	3.0	3.0	3.1	3.1	2.7	2.2	3.0	2.9	2.8	2.8
175°	2.9	2.9	3.0	3.0	3.0	2.6	2.6	2.9	2.9	2.8	2.8
175.5°	2.9	2.9	2.9	3.0	3.0	2.7	2.9	2.9	2.8	2.8	2.7
176°	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.8	2.7	2.8	2.7
176.5°	2.8	2.9	2.9	2.8	2.8	2.6	2.8	2.7	2.8	2.8	2.7
177°	2.8	2.8	2.7	2.7	2.6	2.7	2.8	2.8	2.7	2.7	2.7
177.5°	2.7	2.7	2.7	2.7	2.7	1.1	2.7	2.7	2.7	2.7	2.7
178°	2.7	2.7	2.7	2.7	2.7	1.6	2.8	2.7	2.7	2.7	2.7
178.5°	2.7	2.7	2.8	2.7	2.5	2.1	2.6	2.7	2.7	2.7	2.7



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-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: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1431.0	1431.0	1431.0	1431.0
0.5°	1430.7	1430.7	1430.7	1430.7
1°	1430.4	1430.5	1430.4	1430.5
1.5°	1430.1	1430.2	1430.3	1430.5
2°	1428.9	1429.6	1430.1	1430.3
2.5°	1427.7	1428.0	1429.2	1429.7
3°	1426.7	1427.5	1428.6	1428.7
3.5°	1426.0	1427.3	1427.6	1427.8
4°	1425.0	1426.5	1426.6	1427.2
4.5°	1423.0	1424.7	1425.0	1425.6
5°	1421.9	1422.9	1424.1	1424.7
5.5°	1420.9	1421.4	1422.8	1423.8
6°	1418.5	1420.4	1421.2	1422.7
6.5°	1416.4	1417.7	1419.6	1421.1
7°	1415.3	1415.7	1418.4	1419.7
7.5°	1412.7	1414.4	1415.3	1417.7
8°	1409.9	1411.8	1414.2	1416.3
8.5°	1407.0	1409.2	1412.1	1413.6
9°	1404.7	1406.7	1409.5	1412.1
9.5°	1402.0	1404.2	1406.9	1409.5
10°	1398.6	1400.8	1404.4	1406.6
10.5°	1395.8	1398.7	1401.1	1404.0
11°	1392.4	1396.2	1399.2	1401.1
11.5°	1389.1	1392.8	1396.4	1398.1
12°	1385.8	1389.5	1393.6	1395.2
12.5°	1381.8	1385.9	1390.0	1392.4
13°	1377.9	1382.1	1386.6	1389.1
13.5°	1374.1	1378.4	1383.3	1385.4
14°	1370.0	1374.7	1379.3	1382.0
14.5°	1365.7	1371.4	1375.4	1378.5
15°	1361.3	1366.9	1371.5	1374.5
15.5°	1356.5	1362.2	1367.4	1370.8
16°	1351.8	1358.0	1363.7	1366.4
16.5°	1346.9	1353.2	1359.7	1361.5
17°	1342.3	1348.5	1354.8	1357.0
17.5°	1337.2	1343.9	1349.5	1353.2
18°	1332.3	1339.3	1344.9	1349.0
18.5°	1327.1	1334.4	1340.2	1343.8
19°	1321.4	1329.1	1335.3	1338.8
19.5°	1315.1	1323.8	1330.2	1333.7
20°	1309.5	1318.2	1324.7	1328.8
20.5°	1304.0	1312.3	1319.4	1323.7
21°	1298.5	1306.4	1313.6	1318.6



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1278.9	1288.6	1296.8	1301.1
23°	1272.3	1282.4	1290.4	1295.9
23.5°	1265.7	1275.8	1284.1	1289.3
24°	1258.9	1269.4	1277.9	1283.1
24.5°	1251.8	1262.8	1271.6	1277.3
25°	1245.0	1255.8	1265.2	1271.0
25.5°	1237.3	1249.2	1258.2	1264.1
26°	1230.7	1242.1	1251.5	1257.5
26.5°	1223.1	1234.9	1244.6	1250.5
27°	1215.6	1227.8	1237.3	1243.6
27.5°	1207.6	1220.9	1230.2	1236.8
28°	1199.9	1212.8	1223.1	1229.3
28.5°	1191.9	1205.2	1215.6	1222.0
29°	1183.3	1197.4	1208.1	1215.3
29.5°	1175.9	1189.3	1200.3	1207.9
30°	1167.7	1181.8	1192.6	1199.9
30.5°	1159.0	1173.4	1184.9	1192.4
31°	1150.2	1165.5	1176.9	1184.7
31.5°	1142.1	1156.6	1168.7	1176.7
32°	1133.1	1148.3	1160.2	1168.0
32.5°	1124.5	1139.8	1152.0	1159.8
33°	1115.9	1131.6	1143.4	1151.8
33.5°	1107.2	1123.3	1134.9	1143.3
34°	1097.6	1114.3	1126.3	1134.4
34.5°	1088.7	1105.0	1117.2	1125.4
35°	1079.7	1096.3	1108.7	1117.1
35.5°	1070.1	1087.0	1099.7	1108.5
36°	1060.7	1078.0	1090.6	1099.4
36.5°	1051.2	1068.5	1082.2	1090.2
37°	1041.8	1059.0	1073.1	1081.2
37.5°	1032.4	1049.6	1064.1	1072.4
38°	1022.6	1040.3	1054.1	1063.6
38.5°	1011.8	1030.8	1044.1	1053.7
39°	1001.6	1020.9	1034.1	1043.5
39.5°	991.6	1010.8	1024.3	1033.4
40°	981.7	1001.0	1015.0	1023.7
40.5°	971.7	991.1	1005.5	1014.4
41°	961.2	980.8	995.2	1004.6
41.5°	951.0	970.3	985.4	994.4
42°	940.2	960.2	975.2	984.6
42.5°	929.7	950.0	964.8	974.7
43°	919.2	939.4	954.4	964.4
43.5°	908.7	928.9	944.4	953.6



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	876.4	897.7	912.9	922.3
45.5°	865.9	886.8	902.0	912.1
46°	855.0	876.2	891.3	901.1
46.5°	844.2	865.4	880.4	889.9
47°	833.7	854.6	869.9	879.0
47.5°	822.4	843.8	859.0	868.6
48°	811.6	832.3	847.8	858.0
48.5°	800.3	821.7	837.1	846.7
49°	789.4	810.8	826.3	836.2
49.5°	778.5	799.4	815.0	825.0
50°	767.1	788.3	803.8	813.9
50.5°	756.1	777.4	792.6	802.5
51°	745.5	765.9	781.7	791.5
51.5°	734.3	755.2	770.7	780.2
52°	722.8	743.8	759.0	769.3
52.5°	711.7	732.5	748.0	757.7
53°	700.4	721.3	736.4	746.4
53.5°	689.6	710.0	725.3	735.1
54°	678.4	698.6	713.9	723.8
54.5°	667.4	687.4	702.5	712.2
55°	656.5	676.3	691.2	700.5
55.5°	644.5	665.2	679.7	689.4
56°	633.4	653.2	668.0	677.6
56.5°	622.5	642.3	657.0	666.3
57°	611.5	630.9	645.4	655.2
57.5°	600.0	619.6	634.1	643.3
58°	588.9	607.8	622.2	631.6
58.5°	577.7	596.6	610.8	620.3
59°	567.0	585.1	599.4	608.5
59.5°	555.5	573.8	588.0	597.0
60°	544.4	562.3	576.5	585.2
60.5°	533.0	551.1	564.9	573.7
61°	522.3	539.9	553.1	562.1
61.5°	510.9	528.4	541.6	550.6
62°	499.9	517.1	530.1	538.9
62.5°	488.9	506.0	518.5	527.3
63°	478.1	494.5	507.0	515.6
63.5°	466.9	483.1	495.5	504.2
64°	455.7	471.9	483.9	492.4
64.5°	444.9	460.6	472.7	480.5
65°	434.3	449.1	461.1	468.7
65.5°	423.1	438.1	449.4	456.7
66°	412.7	427.2	438.0	444.8



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	380.2	393.6	403.9	410.2
68°	369.4	382.1	392.2	398.9
68.5°	358.6	371.2	380.6	387.2
69°	348.4	359.9	369.5	375.6
69.5°	337.7	348.9	358.0	364.2
70°	327.1	338.1	346.9	352.6
70.5°	316.5	327.1	335.5	341.1
71°	306.2	316.1	324.4	329.8
71.5°	295.8	305.2	313.0	318.4
72°	285.4	294.5	301.8	307.2
72.5°	275.1	283.9	290.4	296.0
73°	264.9	272.9	279.6	284.5
73.5°	255.1	262.6	268.6	272.9
74°	245.1	251.8	257.7	262.1
74.5°	234.9	241.3	246.7	251.0
75°	225.1	230.6	235.7	240.0
75.5°	215.4	220.5	224.9	228.8
76°	205.9	210.1	214.6	217.9
76.5°	196.2	200.1	203.7	207.2
77°	186.8	189.9	193.4	196.6
77.5°	177.3	180.2	182.9	185.8
78°	168.2	170.1	172.8	175.5
78.5°	159.3	160.6	162.3	164.9
79°	150.3	151.2	152.5	154.6
79.5°	141.7	141.9	142.9	144.5
80°	133.5	133.1	133.7	135.0
80.5°	125.3	124.3	124.4	125.1
81°	117.2	115.5	115.1	115.5
81.5°	109.0	106.7	105.8	106.1
82°	100.9	98.0	96.6	97.0
82.5°	93.3	89.9	87.8	87.6
83°	85.7	82.0	79.7	79.3
83.5°	78.5	74.2	71.4	70.9
84°	71.6	66.7	63.5	63.0
84.5°	65.2	59.7	55.9	55.1
85°	58.8	53.0	48.9	48.0
85.5°	53.0	46.6	42.1	41.7
86°	47.4	40.6	35.8	35.5
86.5°	42.2	35.1	29.8	29.2
87°	37.2	29.8	24.4	23.0
87.5°	32.7	25.1	20.6	17.7
88°	28.6	21.0	16.7	12.8
88.5°	24.8	18.3	12.9	8.6



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	15.9	9.9	3.7	2.7
90.5°	14.3	7.3	2.5	1.5
91°	12.8	6.0	1.8	0.3
91.5°	11.2	5.0	1.4	0.2
92°	9.7	4.3	1.2	0.2
92.5°	8.1	3.9	1.1	0.1
93°	7.4	3.6	1.0	0.1
93.5°	6.8	3.4	1.0	0.2
94°	6.4	3.1	0.9	0.2
94.5°	6.1	2.9	0.9	0.3
95°	5.8	2.8	0.9	0.3
95.5°	5.5	2.8	0.9	0.4
96°	5.2	2.8	0.9	0.4
96.5°	4.9	2.7	0.8	0.5
97°	4.8	2.7	0.8	0.5
97.5°	4.7	2.6	0.8	0.6
98°	4.7	2.5	0.8	0.6
98.5°	4.7	2.4	0.8	0.7
99°	4.7	2.3	0.8	0.7
99.5°	4.6	2.2	0.8	0.8
100°	4.5	2.2	0.9	0.9
100.5°	4.4	2.2	1.0	1.0
101°	4.2	2.2	1.0	1.1
101.5°	4.1	2.2	1.1	1.2
102°	3.9	2.1	1.2	1.3
102.5°	3.8	2.1	1.2	1.3
103°	3.7	2.0	1.3	1.4
103.5°	3.6	1.9	1.3	1.4
104°	3.5	1.8	1.4	1.5
104.5°	3.4	1.8	1.4	1.5
105°	3.3	1.7	1.5	1.5
105.5°	3.3	1.7	1.5	1.5
106°	3.2	1.6	1.6	1.5
106.5°	3.1	1.6	1.9	1.5
107°	3.0	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°	2.6	1.4	1.9	1.5
109°	2.5	1.5	1.8	1.5
109.5°	2.4	1.5	1.8	1.5
110°	2.3	1.5	1.7	1.5
110.5°	2.3	1.5	1.8	1.5
111°	2.2	1.5	1.8	1.5



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-5000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563554

CATALOG NUMBER: 4NWS3C3MS-NUV-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°	1313.1	1316.2	1315.9	1313.5	1308.7	1303.0	1297.0	1291.9	1287.6	1285.5	1284.6
22°	1306.9	1310.3	1310.2	1307.4	1302.7	1296.8	1290.1	1284.9	1281.0	1278.1	1277.5



44°	943.3	946.8	942.3	932.3	916.2	896.3	876.1	858.8	846.1	839.8	840.6
44.5°	932.9	935.8	932.1	921.5	905.4	885.1	865.3	847.7	834.9	828.8	828.8



66.5°	433.2	437.3	436.2	430.1	420.3	406.6	394.1	383.0	375.0	370.3	369.1
67°	421.6	425.4	425.0	419.4	409.6	396.7	384.8	373.8	365.8	361.4	360.5



89°	5.3	10.4	19.9	30.7	40.9	47.9	53.6	56.9	58.2	57.7	55.6
89.5°	4.0	7.3	16.3	26.8	36.8	44.4	50.0	52.9	54.2	53.8	51.7



111.5°	1.6	1.5	1.3	1.1	1.5	2.4	3.4	4.5	5.2	5.4	5.2
112°	1.6	1.5	1.3	1.2	1.5	2.2	3.3	4.3	4.9	5.1	5.0



134°	2.2	2.2	2.2	2.7	2.7	2.4	2.4	2.4	2.5	2.6	2.7
134.5°	2.2	2.3	2.3	2.7	2.8	2.5	2.5	2.5	2.5	2.6	2.7



156.5°	1.5	2.3	2.7	2.7	2.7	2.7	2.8	3.1	3.3	3.4	3.5
157°	1.5	2.3	2.7	2.7	2.7	2.7	2.8	3.1	3.2	3.3	3.4



179°	2.7	2.6	2.5	2.3	2.1	2.0	2.2	2.3	2.5	2.7	2.6
179.5°	2.4	2.4	2.3	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5





21.5°	1285.9	1289.2	1292.2	1296.1	1299.6	1301.2	1301.3	1299.6	1295.7	1289.6	1281.8
22°	1278.7	1281.8	1285.7	1290.0	1293.9	1295.1	1295.4	1293.8	1289.3	1283.1	1275.2



44°	846.8	859.4	875.6	890.9	904.6	914.4	918.2	916.6	910.0	897.7	879.8
44.5°	835.9	848.7	864.6	879.6	893.7	903.6	906.9	906.2	899.6	886.9	868.7



66.5°	371.7	377.4	385.2	393.0	399.9	404.5	403.5	402.7	397.8	390.7	380.4
67°	362.9	368.0	375.4	382.6	388.8	392.5	392.3	391.2	386.5	379.5	369.8



89°	51.9	46.6	40.0	30.5	20.5	10.9	4.4	0.7	3.6	10.1	16.7
89.5°	48.4	43.3	36.2	27.2	17.6	8.8	3.4	0.6	2.7	7.6	15.1



111.5°	4.5	3.6	2.6	1.9	2.0	2.4	2.9	2.7	3.1	2.3	2.7
112°	4.3	3.4	2.5	1.9	2.0	2.5	3.0	2.7	3.2	2.3	2.6



134°	2.9	3.2	3.8	4.6	4.7	3.7	3.3	3.0	3.8	4.0	3.6
134.5°	2.9	3.3	3.8	4.7	4.6	3.7	3.3	3.0	3.8	4.0	3.6



156.5°	3.4	3.2	3.1	3.2	3.2	3.0	2.9	2.5	2.7	3.0	3.3
157°	3.3	3.1	3.1	3.2	3.1	3.0	2.7	2.5	2.6	3.0	3.3



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





21.5°	1273.5	1264.5	1257.2	1251.0	1248.0	1247.3	1249.1	1254.5	1262.3	1272.3	1282.4
22°	1266.8	1257.0	1249.2	1243.8	1240.5	1239.1	1241.6	1246.4	1254.7	1264.8	1275.4



44°	859.7	837.6	818.0	802.3	792.8	790.3	795.2	807.7	826.6	849.4	874.9
44.5°	849.1	826.2	806.8	791.3	781.3	778.8	784.0	796.7	815.6	838.7	863.5



66.5°	369.0	357.3	347.1	339.5	335.1	334.7	338.0	345.5	356.3	370.3	385.8
67°	358.6	347.4	337.9	330.8	326.6	326.2	329.1	336.6	347.0	360.4	375.6



89°	24.3	31.1	36.6	40.6	43.1	44.2	44.0	42.4	39.4	34.8	28.7
89.5°	21.7	28.3	33.7	37.6	40.1	41.2	40.9	39.3	36.2	31.6	25.5



111.5°	4.2	6.0	7.4	8.3	8.9	9.1	8.9	8.1	6.8	5.4	3.7
112°	4.1	5.8	7.2	8.1	8.7	8.9	8.7	7.9	6.6	5.3	3.6



134°	3.4	2.9	2.6	2.4	2.3	2.2	2.3	2.3	2.4	2.6	2.9
134.5°	3.5	3.0	2.6	2.4	2.3	2.3	2.3	2.3	2.4	2.6	3.0



156.5°	3.6	3.6	3.4	3.3	3.2	3.3	3.3	3.2	3.2	3.1	3.0
157°	3.7	3.6	3.4	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1



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





21.5°	1292.0	1301.0	1307.9	1313.1
22°	1285.2	1295.4	1302.7	1306.9



44°	898.2	918.8	933.5	943.3
44.5°	888.0	907.9	923.3	932.9



66.5°	401.6	415.9	426.6	433.2
67°	390.8	404.7	415.4	421.6



89°	21.5	15.5	9.0	5.3
89.5°	18.5	12.7	5.4	4.0



111.5°	2.1	1.6	1.8	1.6
112°	2.1	1.6	1.8	1.6



134°	2.6	2.5	2.4	2.2
134.5°	2.6	2.5	2.4	2.2



156.5°	3.0	2.4	1.7	1.5
157°	3.0	2.4	1.7	1.5



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



(END OF REPORT)