

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: P563553

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

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563553
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-4000K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING
Light Source: -
Ballast/Driver:

Summary

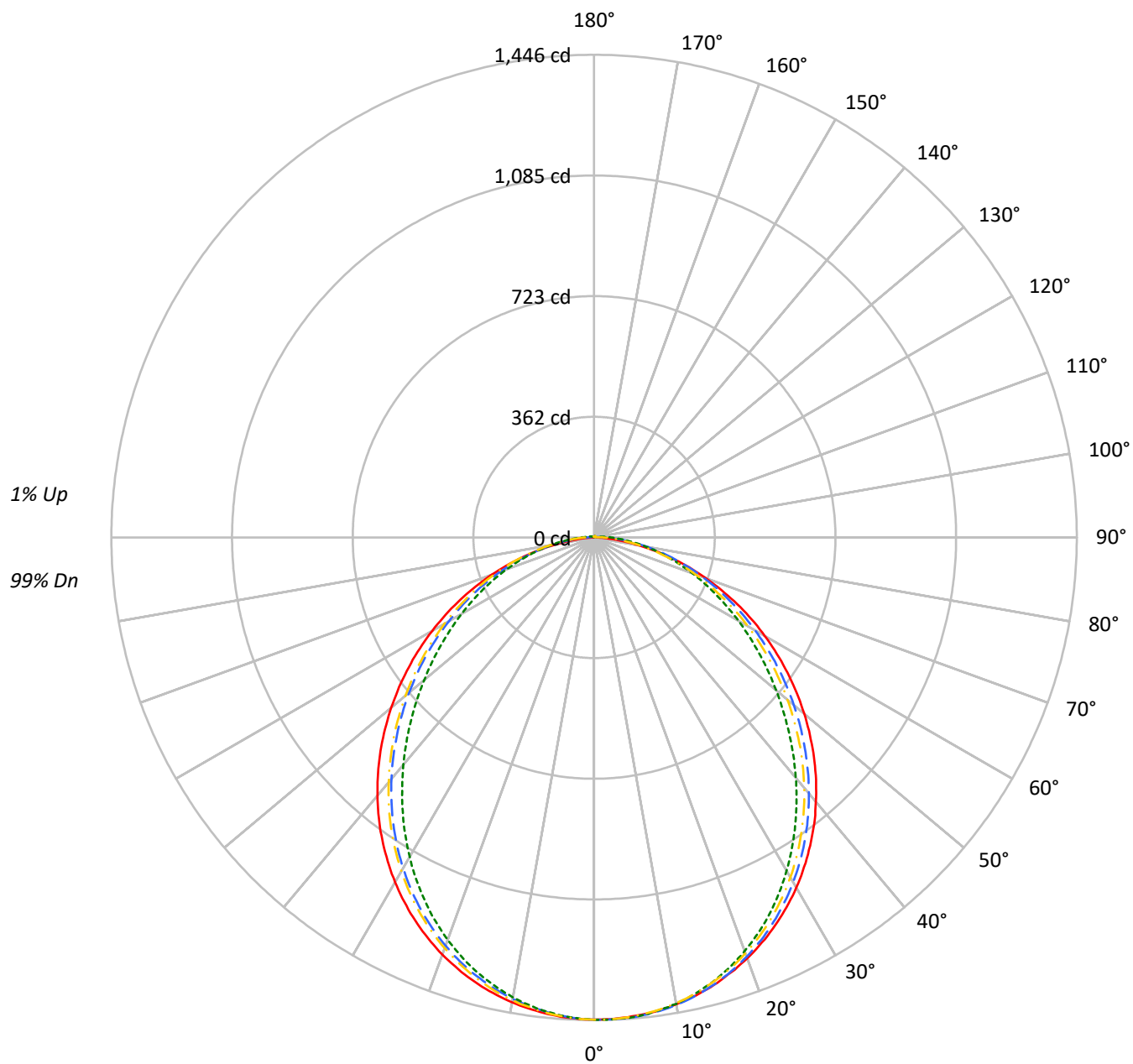
Lumens per Lamp: N/A
Luminaire Lumens: 3767.0 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.17 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 27.9
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	8782	8782	8782	8782
5°	8761	8650	8746	8586
10°	8734	8477	8696	8360
15°	8684	8254	8626	8084
20°	8613	7983	8537	7767
25°	8524	7669	8417	7401
30°	8403	7302	8269	7000
35°	8250	6891	8090	6558
40°	8060	6445	7872	6092
45°	7842	5975	7617	5612
50°	7584	5499	7317	5135
55°	7280	5041	6970	4667
60°	6933	4586	6569	4209
65°	6516	4122	6086	3743
70°	5986	3659	5471	3262
75°	5281	3175	4638	2747
80°	4269	2655	3473	2204
85°	2728	2121	1753	1684



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	3.6
10°-20°	387.0	10.3
20°-30°	574.8	15.3
30°-40°	670.0	17.8
40°-50°	663.3	17.6
50°-60°	569.6	15.1
60°-70°	416.9	11.1
70°-80°	236.7	6.3
80°-90°	78.8	2.1
90°-100°	14.3	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°	1.5	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	1098.2	29.2
0°-40°	1768.2	46.9
0°-60°	3001.2	79.7
0°-90°	3733.6	99.1
90°-120°	23.9	0.6
90°-150°	30.9	0.8
90°-180°	33.0	0.9
0°-180°	3767.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1445	1445	1445	1445	1445	
5°	1438	1441	1436	1430	1438	137
15°	1388	1378	1378	1349	1388	391
25°	1283	1243	1267	1200	1283	591
35°	1128	1051	1106	1000	1128	705
45°	931	825	904	775	931	718
55°	707	603	677	558	707	632
65°	473	402	442	365	473	468
75°	242	230	213	199	242	257
85°	48	96	31	76	48	58
90°	3	51	1	39	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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8
0.5°	1444.5	1444.5	1444.6	1444.8	1444.9	1445.0	1445.1	1445.2	1445.2	1445.2	1445.2
1°	1444.3	1444.5	1444.7	1445.0	1445.2	1445.3	1445.3	1445.3	1444.8	1444.3	1444.7
1.5°	1444.3	1444.9	1445.0	1444.5	1444.3	1444.4	1445.0	1445.3	1444.8	1445.5	1445.6
2°	1444.1	1444.5	1444.5	1444.5	1444.8	1445.2	1445.5	1445.5	1444.8	1444.8	1445.1
2.5°	1443.5	1443.9	1444.0	1444.1	1444.1	1443.7	1443.9	1443.7	1445.2	1444.3	1443.7
3°	1442.5	1442.8	1443.5	1443.8	1444.1	1444.2	1444.5	1444.7	1444.3	1444.1	1444.1
3.5°	1441.6	1442.3	1442.9	1444.0	1443.5	1443.8	1443.9	1443.5	1443.9	1442.9	1442.5
4°	1441.0	1442.2	1441.8	1443.1	1442.8	1443.1	1443.0	1442.7	1442.0	1443.5	1442.2
4.5°	1439.4	1440.6	1441.0	1441.8	1442.6	1442.4	1441.8	1442.5	1442.0	1442.1	1440.7
5°	1438.5	1439.6	1440.0	1440.6	1441.4	1441.4	1440.1	1440.6	1441.0	1440.9	1439.7
5.5°	1437.5	1438.6	1439.2	1439.4	1439.9	1439.4	1439.0	1439.0	1439.6	1439.3	1437.9
6°	1436.4	1437.3	1437.6	1438.3	1439.0	1438.3	1438.0	1437.6	1437.8	1437.3	1435.9
6.5°	1434.8	1436.0	1436.3	1436.7	1437.5	1436.9	1437.1	1436.1	1436.1	1436.0	1434.4
7°	1433.4	1434.1	1435.3	1434.9	1435.0	1434.2	1435.4	1434.1	1433.9	1433.8	1432.7
7.5°	1431.4	1432.2	1433.2	1434.0	1433.8	1433.1	1432.7	1432.2	1431.7	1430.6	1430.6
8°	1429.9	1430.0	1431.6	1431.8	1431.7	1431.1	1430.6	1430.2	1429.7	1428.9	1428.5
8.5°	1427.2	1427.5	1429.7	1429.3	1429.7	1429.3	1428.4	1427.8	1426.9	1426.4	1425.3
9°	1425.7	1427.0	1427.1	1427.7	1427.7	1427.1	1425.6	1425.4	1424.3	1424.7	1422.6
9.5°	1423.1	1424.3	1425.4	1425.1	1425.3	1424.1	1422.4	1422.4	1421.7	1420.3	1419.8
10°	1420.2	1421.9	1422.7	1422.8	1422.5	1421.6	1419.9	1419.0	1418.5	1418.8	1417.3
10.5°	1417.6	1418.9	1420.3	1420.4	1419.8	1418.7	1416.8	1415.8	1415.2	1415.0	1413.9
11°	1414.6	1415.6	1417.2	1417.3	1416.8	1416.1	1413.2	1412.9	1412.6	1411.6	1410.5
11.5°	1411.5	1413.5	1414.2	1414.5	1413.3	1412.9	1410.1	1409.8	1408.8	1408.1	1406.9
12°	1408.6	1410.3	1411.6	1411.8	1410.4	1409.3	1407.2	1406.1	1404.1	1404.5	1402.5
12.5°	1405.9	1407.2	1408.5	1408.5	1406.7	1405.9	1403.7	1402.3	1400.6	1400.2	1399.1
13°	1402.5	1404.4	1405.3	1404.8	1402.8	1402.5	1399.7	1398.5	1396.9	1395.4	1394.9
13.5°	1398.8	1401.0	1402.0	1401.6	1399.4	1398.6	1395.0	1394.0	1392.6	1391.0	1389.7
14°	1395.3	1397.4	1398.2	1398.4	1395.6	1394.0	1391.4	1389.6	1388.1	1386.3	1385.6
14.5°	1391.8	1393.7	1394.6	1394.6	1391.3	1390.2	1387.7	1385.1	1382.8	1382.3	1380.4
15°	1387.7	1390.1	1390.6	1390.3	1387.8	1386.1	1382.8	1380.5	1378.3	1377.6	1376.4
15.5°	1384.1	1386.3	1386.3	1385.7	1383.9	1381.8	1377.6	1376.1	1373.4	1372.7	1370.9
16°	1379.6	1382.3	1382.7	1381.7	1379.2	1376.9	1373.2	1370.9	1368.7	1367.0	1365.4
16.5°	1374.6	1378.0	1378.7	1377.7	1374.6	1372.0	1368.0	1365.4	1363.2	1361.0	1360.5
17°	1370.1	1373.8	1373.9	1373.3	1370.4	1367.2	1363.1	1359.9	1357.4	1356.2	1355.5
17.5°	1366.2	1369.0	1369.4	1368.4	1365.6	1361.9	1357.0	1354.5	1351.3	1350.7	1349.1
18°	1362.0	1364.2	1364.9	1363.5	1360.2	1356.8	1352.1	1348.8	1345.7	1344.1	1343.4
18.5°	1356.7	1360.2	1360.5	1358.9	1355.3	1351.6	1346.4	1342.7	1340.2	1338.1	1337.3
19°	1351.7	1355.4	1355.8	1353.6	1350.2	1345.9	1341.1	1336.7	1333.7	1331.7	1331.4
19.5°	1346.6	1350.0	1350.2	1348.4	1344.5	1339.9	1334.7	1330.8	1327.0	1326.1	1323.9
20°	1341.6	1344.7	1344.6	1343.0	1339.0	1334.0	1328.2	1324.2	1320.8	1318.4	1317.8
20.5°	1336.4	1339.7	1339.5	1337.5	1333.5	1328.4	1321.9	1317.4	1314.3	1311.9	1310.8
21°	1331.3	1334.4	1334.1	1331.8	1327.1	1322.0	1316.0	1310.8	1307.7	1304.6	1304.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1313.6	1316.9	1317.2	1314.0	1309.1	1302.9	1295.7	1290.1	1285.9	1283.5	1282.0
23°	1308.4	1311.2	1310.9	1307.8	1302.8	1296.4	1288.9	1282.8	1278.2	1276.6	1274.8
23.5°	1301.8	1305.2	1304.9	1301.6	1296.3	1289.2	1281.9	1275.1	1270.5	1268.2	1266.9
24°	1295.5	1299.1	1298.9	1295.0	1289.4	1282.4	1274.0	1267.5	1262.7	1260.3	1259.3
24.5°	1289.6	1292.7	1292.2	1288.6	1282.3	1275.1	1267.5	1260.2	1254.8	1252.2	1250.8
25°	1283.2	1286.6	1285.6	1281.9	1275.7	1267.7	1259.8	1252.3	1246.6	1243.4	1242.8
25.5°	1276.3	1279.7	1279.1	1275.0	1269.2	1260.3	1251.8	1244.2	1238.7	1235.5	1234.2
26°	1269.6	1272.5	1272.2	1267.5	1261.9	1252.5	1243.6	1235.6	1229.7	1226.2	1226.0
26.5°	1262.6	1266.0	1264.5	1261.0	1253.7	1244.8	1235.3	1227.4	1221.4	1218.2	1216.9
27°	1255.6	1259.5	1257.6	1253.2	1246.1	1237.1	1227.3	1219.0	1212.7	1208.8	1208.7
27.5°	1248.7	1252.3	1251.0	1245.6	1238.5	1228.7	1219.8	1210.2	1203.2	1200.5	1199.6
28°	1241.2	1245.1	1243.9	1238.5	1230.8	1220.7	1210.2	1201.8	1194.6	1191.2	1190.0
28.5°	1233.8	1237.7	1236.4	1231.1	1223.3	1212.8	1201.9	1193.0	1185.0	1181.0	1180.6
29°	1227.1	1230.4	1228.9	1223.2	1214.7	1204.2	1193.4	1183.7	1176.8	1172.6	1171.5
29.5°	1219.5	1223.0	1221.0	1215.7	1206.6	1195.7	1185.0	1174.5	1166.3	1162.9	1162.9
30°	1211.5	1214.6	1213.3	1207.1	1198.4	1186.9	1175.4	1165.3	1157.2	1153.0	1153.3
30.5°	1203.9	1206.9	1205.3	1199.6	1190.0	1177.9	1166.4	1155.9	1146.6	1143.5	1142.8
31°	1196.2	1199.5	1197.1	1191.5	1181.9	1169.4	1156.8	1146.2	1137.9	1133.8	1132.7
31.5°	1188.0	1191.6	1189.2	1182.7	1173.3	1160.7	1147.5	1136.2	1127.9	1123.5	1122.5
32°	1179.3	1182.8	1180.7	1173.9	1164.1	1151.1	1138.2	1126.8	1117.9	1113.1	1112.8
32.5°	1171.0	1174.4	1172.3	1165.1	1155.1	1141.8	1128.8	1117.1	1108.6	1102.9	1102.8
33°	1162.9	1166.3	1163.7	1157.1	1146.1	1132.9	1119.3	1106.9	1098.1	1093.0	1092.7
33.5°	1154.3	1157.6	1155.2	1148.4	1137.4	1123.5	1109.6	1097.2	1087.4	1082.3	1082.0
34°	1145.4	1149.3	1146.5	1139.1	1128.3	1113.6	1099.2	1086.7	1077.1	1071.7	1071.6
34.5°	1136.3	1140.4	1137.7	1130.2	1119.1	1104.0	1089.1	1075.8	1066.3	1061.4	1060.8
35°	1127.9	1131.6	1129.1	1121.3	1109.3	1094.3	1079.3	1065.5	1055.3	1050.6	1050.4
35.5°	1119.2	1122.5	1120.4	1112.2	1099.7	1084.2	1069.0	1055.2	1044.7	1040.0	1039.6
36°	1110.1	1114.0	1110.6	1102.9	1090.4	1074.4	1058.8	1044.7	1033.8	1029.2	1028.7
36.5°	1100.7	1104.3	1101.5	1093.0	1081.0	1064.6	1048.6	1033.9	1023.1	1017.7	1018.3
37°	1091.6	1094.8	1092.1	1083.8	1071.0	1054.7	1038.3	1023.5	1011.7	1006.8	1007.2
37.5°	1082.7	1085.4	1082.6	1074.3	1061.1	1044.5	1027.6	1012.6	1001.2	995.8	996.0
38°	1073.9	1076.0	1073.5	1064.2	1051.1	1034.0	1016.8	1001.7	990.4	984.5	984.4
38.5°	1063.9	1066.6	1063.1	1054.5	1040.9	1023.6	1006.2	990.6	979.4	974.0	973.6
39°	1053.5	1057.0	1053.6	1044.6	1030.8	1013.4	995.7	979.7	968.5	962.4	961.9
39.5°	1043.4	1047.6	1043.9	1034.8	1020.3	1002.4	985.0	968.7	956.7	951.5	951.4
40°	1033.5	1037.5	1034.2	1024.2	1010.1	991.6	973.6	957.7	945.5	940.0	940.0
40.5°	1024.2	1027.4	1024.3	1014.4	999.7	981.2	962.7	946.4	934.0	928.6	928.2
41°	1014.3	1017.3	1014.1	1004.0	989.2	970.3	951.8	935.4	922.8	917.3	916.7
41.5°	1003.9	1007.0	1003.6	994.0	978.7	959.6	940.5	923.8	910.9	905.5	905.5
42°	994.1	997.4	993.6	983.2	968.4	949.1	930.0	912.8	900.1	894.7	893.9
42.5°	984.2	987.1	983.2	973.3	957.0	938.0	918.8	901.6	888.8	882.9	882.5
43°	973.7	976.7	972.9	962.0	946.4	926.9	907.6	890.1	877.3	871.8	871.2
43.5°	962.8	966.4	962.3	952.0	936.2	916.0	896.2	878.7	865.7	859.9	859.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	931.2	934.5	930.3	919.4	903.6	882.7	862.5	844.6	831.3	825.4	825.2
45.5°	920.9	923.9	919.5	908.4	892.0	871.5	851.3	833.2	820.3	813.7	813.8
46°	909.8	913.1	908.9	897.6	881.0	860.2	839.7	821.8	809.2	801.9	802.6
46.5°	898.5	901.9	897.8	886.6	869.9	848.9	828.1	810.4	797.1	791.2	791.3
47°	887.5	891.3	887.5	875.6	859.0	837.6	816.9	798.9	785.5	779.7	779.5
47.5°	876.9	880.2	876.3	865.2	848.1	826.5	805.9	787.1	774.2	768.3	768.0
48°	866.3	869.4	865.1	854.2	837.2	815.1	794.5	776.0	763.2	756.5	757.1
48.5°	854.9	857.8	853.7	842.8	825.7	804.0	783.5	764.8	751.4	745.6	745.8
49°	844.3	847.7	842.6	831.0	814.4	792.8	771.9	753.6	740.4	734.0	734.0
49.5°	833.0	836.0	832.3	820.3	802.9	781.4	760.8	742.2	728.9	722.8	723.1
50°	821.8	825.2	820.7	809.4	791.5	769.9	749.7	730.9	718.3	711.4	711.7
50.5°	810.2	813.8	809.5	798.4	780.6	758.8	738.2	719.5	706.4	700.4	700.2
51°	799.2	802.6	797.9	786.3	769.4	747.5	727.0	708.7	696.0	689.1	688.8
51.5°	787.7	791.2	786.7	775.5	758.1	736.3	715.5	697.4	684.3	678.8	678.2
52°	776.7	780.1	775.7	764.0	746.7	725.3	704.6	686.6	673.6	667.1	667.2
52.5°	765.0	768.3	763.7	752.6	735.2	713.6	693.3	675.5	662.9	656.5	656.4
53°	753.6	757.1	752.7	741.1	723.8	702.4	682.1	664.5	652.0	645.3	645.0
53.5°	742.2	745.4	741.0	729.8	712.4	691.3	671.1	653.6	640.3	634.9	634.2
54°	730.8	733.8	729.8	718.7	701.3	680.0	660.1	642.5	629.9	623.6	623.8
54.5°	719.1	722.5	718.0	707.1	690.3	668.7	648.7	631.5	618.9	612.9	612.9
55°	707.3	711.1	706.9	695.8	678.6	657.3	637.7	620.6	608.5	603.1	601.9
55.5°	696.1	699.4	695.1	684.5	667.7	646.6	626.7	609.5	597.4	592.0	591.1
56°	684.2	687.6	683.9	672.9	656.4	635.8	616.2	598.8	587.0	581.2	580.8
56.5°	672.7	676.3	672.3	661.6	645.2	624.5	605.0	588.3	576.6	570.8	570.4
57°	661.5	664.5	660.6	650.0	633.5	613.4	594.1	577.7	565.8	560.5	559.9
57.5°	649.5	653.3	648.6	638.8	622.7	602.6	583.4	566.9	555.6	550.0	549.3
58°	637.7	641.2	637.8	626.9	610.8	591.7	572.9	556.7	545.2	539.3	539.4
58.5°	626.3	629.7	625.8	615.9	599.9	580.4	561.9	546.0	535.0	529.3	528.9
59°	614.4	618.4	614.3	604.5	588.8	569.5	551.2	535.4	525.0	519.6	518.7
59.5°	602.8	606.2	602.7	593.1	577.7	558.6	540.8	525.5	514.9	509.9	508.1
60°	590.8	594.6	591.4	581.6	566.3	547.8	530.1	515.4	504.9	499.7	498.1
60.5°	579.2	582.6	579.6	570.3	555.9	537.1	520.1	505.5	494.7	489.5	488.1
61°	567.5	570.7	568.0	559.1	544.8	526.6	506.9	495.2	484.5	479.3	478.1
61.5°	555.9	559.7	556.1	547.1	533.3	515.7	496.3	484.7	474.3	469.0	468.1
62°	544.1	548.0	545.2	536.1	521.8	504.6	486.7	474.5	464.2	458.8	458.1
62.5°	532.4	535.9	533.6	525.1	511.2	494.1	477.0	464.3	454.0	448.8	448.1
63°	520.6	524.4	521.8	513.8	500.2	483.5	467.3	454.0	444.4	439.4	438.6
63.5°	509.0	512.4	510.3	502.0	489.1	472.9	457.6	444.2	434.9	429.9	429.2
64°	497.1	500.6	498.3	491.9	478.0	462.3	447.2	434.7	425.4	420.5	419.6
64.5°	485.1	488.7	486.7	488.2	467.3	451.7	437.4	424.8	415.8	410.9	409.9
65°	473.2	476.8	475.1	474.6	457.1	441.2	427.5	415.2	406.3	401.8	400.7
65.5°	461.1	465.0	463.6	461.1	446.1	430.8	417.4	405.6	397.0	392.3	391.2
66°	449.1	453.1	452.0	447.6	435.1	420.6	407.5	396.0	387.9	383.1	382.2



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	414.2	417.9	417.5	412.3	402.9	390.4	378.5	368.4	360.4	355.9	354.8
68°	402.7	406.4	406.0	401.3	392.3	380.4	368.8	359.0	351.6	347.2	346.0
68.5°	390.9	394.8	394.9	389.9	381.7	370.3	359.5	349.8	342.7	338.6	336.6
69°	379.2	383.3	383.5	379.6	371.3	360.2	350.1	340.8	333.4	329.6	328.2
69.5°	367.7	372.1	372.2	368.7	361.2	350.4	340.6	331.6	324.7	320.7	319.3
70°	356.0	360.4	361.0	357.9	350.8	340.8	331.3	322.5	316.0	311.9	310.5
70.5°	344.4	348.8	349.8	346.9	340.9	331.3	322.2	313.8	307.6	303.6	301.8
71°	333.0	337.1	338.7	336.4	330.4	321.5	312.9	305.0	299.1	295.2	293.5
71.5°	321.5	326.0	327.3	325.5	320.3	311.9	303.9	296.4	290.3	286.6	285.2
72°	310.2	314.5	316.4	314.8	310.2	302.4	294.7	287.7	281.8	278.1	276.6
72.5°	298.8	303.1	305.5	304.3	299.9	292.7	285.9	278.9	273.5	270.2	268.3
73°	287.2	291.9	294.8	294.1	290.3	283.3	276.8	270.4	265.2	261.8	259.8
73.5°	275.6	280.7	283.6	283.6	280.3	274.6	268.0	262.0	256.9	253.6	251.8
74°	264.6	269.2	272.8	273.4	270.5	265.2	259.4	253.6	249.0	245.5	243.7
74.5°	253.4	258.4	262.0	262.9	260.9	255.8	250.8	245.3	240.9	237.7	236.0
75°	242.3	247.4	251.3	252.6	251.2	246.8	242.2	237.3	232.9	229.8	227.9
75.5°	231.0	236.6	240.6	242.5	241.7	237.8	233.7	229.0	224.9	222.1	220.1
76°	220.0	225.4	230.1	232.7	231.9	228.8	225.3	221.0	217.2	214.4	212.2
76.5°	209.2	214.9	219.6	222.5	222.7	220.1	216.8	213.0	209.6	206.8	204.6
77°	198.5	203.9	209.3	212.6	213.5	211.5	208.7	205.0	201.9	199.1	196.9
77.5°	187.5	193.4	199.1	202.9	204.3	203.0	200.6	197.4	194.2	191.8	189.5
78°	177.2	183.0	188.8	193.4	195.2	194.6	192.6	189.7	187.1	184.5	182.3
78.5°	166.5	172.7	178.8	183.9	186.3	186.1	184.6	182.2	179.8	177.3	175.1
79°	156.1	162.5	169.1	174.5	177.4	177.7	176.9	174.8	172.5	170.1	167.9
79.5°	145.9	152.1	159.2	165.2	168.8	169.6	169.3	167.5	165.5	163.3	161.0
80°	136.3	142.2	149.5	156.1	160.2	161.6	161.6	160.3	158.5	156.5	154.1
80.5°	126.3	132.6	140.2	147.1	151.8	153.8	154.2	153.2	151.7	149.6	147.4
81°	116.6	123.0	131.0	138.3	143.5	146.1	147.1	146.3	145.1	143.0	140.8
81.5°	107.1	113.6	122.0	129.6	135.5	138.4	139.9	139.7	138.6	136.8	134.4
82°	97.9	104.3	112.9	121.2	127.4	131.1	132.9	133.1	132.2	130.3	128.1
82.5°	88.4	95.4	104.4	113.0	119.6	123.9	126.1	126.5	125.8	124.1	121.7
83°	80.0	86.8	95.8	105.0	112.1	116.9	119.5	120.1	119.6	118.2	115.8
83.5°	71.6	78.4	87.6	97.2	104.8	109.8	113.0	114.0	113.9	112.3	110.0
84°	63.6	70.3	79.7	89.6	97.7	103.2	106.7	108.1	107.9	106.6	104.3
84.5°	55.7	62.4	72.2	82.2	90.7	96.7	100.4	102.2	102.3	101.0	98.7
85°	48.4	54.9	64.8	75.1	84.2	90.5	94.5	96.5	96.8	95.6	93.3
85.5°	42.1	48.2	57.9	68.5	77.7	84.4	88.7	90.9	91.3	90.2	88.1
86°	35.8	42.1	51.1	62.1	71.6	78.7	83.2	85.6	86.1	85.1	82.9
86.5°	29.5	36.0	45.7	56.0	65.7	73.1	77.8	80.5	81.2	80.3	78.1
87°	23.2	29.9	40.3	49.8	60.1	67.6	72.7	75.6	76.3	75.7	73.3
87.5°	17.8	23.7	35.0	45.1	54.7	62.5	67.7	70.8	71.7	71.0	68.8
88°	12.9	18.7	29.6	40.4	49.5	57.6	63.0	66.1	67.3	66.5	64.4
88.5°	8.7	14.3	24.2	35.7	45.4	52.8	58.4	61.7	62.9	62.3	60.2



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	2.8	5.1	13.4	23.4	33.1	41.2	47.0	49.8	51.2	50.6	49.1
90.5°	1.5	4.1	10.8	20.2	29.5	37.5	43.6	46.7	48.1	47.6	46.0
91°	0.3	3.2	8.7	17.3	26.3	34.0	40.1	43.5	45.0	44.6	42.9
91.5°	0.2	2.3	7.0	15.0	23.4	30.8	36.6	40.3	41.9	41.6	39.7
92°	0.2	1.4	5.8	12.9	20.8	27.9	33.4	37.1	38.8	38.6	36.6
92.5°	0.1	1.1	5.1	11.1	18.5	25.3	30.6	34.1	35.7	35.5	33.9
93°	0.1	0.9	4.5	9.6	16.5	23.0	28.1	31.5	33.1	33.0	31.4
93.5°	0.2	0.7	3.9	8.4	14.7	20.8	25.8	29.1	30.6	30.6	29.1
94°	0.2	0.6	3.3	7.4	13.1	18.9	23.6	26.8	28.4	28.4	27.0
94.5°	0.3	0.5	3.0	6.7	11.8	17.1	21.6	24.7	26.3	26.3	25.0
95°	0.3	0.5	2.7	6.1	10.6	15.6	19.8	22.9	24.4	24.4	23.1
95.5°	0.4	0.5	2.4	5.7	9.7	14.2	18.2	21.1	22.6	22.7	21.5
96°	0.4	0.5	2.2	5.3	9.0	13.1	16.8	19.5	20.9	21.0	19.9
96.5°	0.5	0.6	1.9	5.0	8.3	12.1	15.6	18.1	19.5	19.6	18.6
97°	0.5	0.6	1.8	4.6	7.9	11.2	14.4	16.9	18.2	18.3	17.4
97.5°	0.6	0.6	1.6	4.2	7.5	10.5	13.5	15.7	17.0	17.2	16.3
98°	0.6	0.6	1.5	4.0	7.1	10.0	12.7	14.8	16.0	16.2	15.3
98.5°	0.7	0.7	1.3	3.7	6.6	9.5	12.0	13.9	15.0	15.2	14.5
99°	0.7	0.7	1.2	3.5	6.3	9.1	11.4	13.2	14.3	14.5	13.8
99.5°	0.8	0.8	1.1	3.2	5.9	8.7	10.9	12.6	13.6	13.8	13.2
100°	0.9	0.8	1.1	3.0	5.6	8.2	10.5	12.1	13.0	13.2	12.7
100.5°	1.0	0.9	1.1	2.8	5.3	7.8	10.0	11.6	12.5	12.7	12.2
101°	1.1	1.0	1.1	2.6	5.0	7.5	9.6	11.2	12.1	12.2	11.8
101.5°	1.2	1.0	1.1	2.4	4.8	7.1	9.2	10.8	11.6	11.8	11.4
102°	1.3	1.1	1.1	2.2	4.5	6.8	8.8	10.3	11.2	11.4	11.0
102.5°	1.3	1.1	1.1	2.1	4.2	6.5	8.4	9.9	10.8	11.0	10.6
103°	1.4	1.2	1.1	1.9	4.0	6.1	8.0	9.5	10.4	10.6	10.2
103.5°	1.5	1.2	1.0	1.8	3.7	5.8	7.7	9.1	10.0	10.2	9.8
104°	1.5	1.3	1.0	1.7	3.4	5.5	7.3	8.8	9.6	9.8	9.4
104.5°	1.5	1.3	1.0	1.6	3.2	5.3	7.0	8.4	9.2	9.4	9.1
105°	1.5	1.5	1.0	1.5	3.0	5.0	6.7	8.1	8.9	9.1	8.7
105.5°	1.5	1.7	1.0	1.4	2.8	4.7	6.4	7.7	8.6	8.8	8.4
106°	1.5	1.6	1.0	1.4	2.7	4.5	6.1	7.4	8.2	8.5	8.1
106.5°	1.5	1.5	1.0	1.3	2.5	4.2	5.8	7.1	7.9	8.1	7.8
107°	1.5	1.5	1.0	1.3	2.4	4.0	5.6	6.8	7.6	7.8	7.5
107.5°	1.5	1.5	1.1	1.3	2.2	3.8	5.3	6.5	7.3	7.5	7.2
108°	1.5	1.5	1.1	1.2	2.1	3.6	5.0	6.2	7.0	7.2	6.9
108.5°	1.5	1.5	1.1	1.2	2.0	3.4	4.8	5.9	6.7	7.0	6.7
109°	1.5	1.6	1.1	1.2	1.9	3.2	4.5	5.7	6.5	6.7	6.4
109.5°	1.5	1.6	1.2	1.1	1.8	3.0	4.3	5.4	6.2	6.4	6.2
110°	1.6	1.6	1.2	1.1	1.7	2.9	4.1	5.2	5.9	6.2	5.9
110.5°	1.6	1.6	1.2	1.1	1.7	2.7	3.8	5.0	5.7	5.9	5.7
111°	1.6	1.6	1.3	1.1	1.6	2.5	3.7	4.7	5.5	5.7	5.5



TEST NUMBER: P563553

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

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	2.2	3.1	4.1	4.8	5.0	4.8
113°	1.6	1.5	1.4	1.2	1.5	2.1	3.0	3.9	4.5	4.7	4.6
113.5°	1.6	1.6	1.5	1.3	1.5	2.0	2.8	3.7	4.3	4.5	4.4
114°	1.7	1.6	1.5	1.3	1.4	1.9	2.7	3.5	4.1	4.3	4.2
114.5°	1.7	1.6	1.5	1.3	1.4	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	3.2	3.8	4.0	3.8
115.5°	1.7	1.7	1.6	1.4	1.3	1.8	2.3	3.0	3.6	3.8	3.7
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	1.8	1.4	1.3	1.7	2.2	2.8	3.3	3.5	3.4
117°	1.7	1.8	1.9	1.4	1.4	1.7	2.1	2.7	3.1	3.3	3.3
117.5°	1.7	1.8	2.0	1.5	1.4	1.6	2.1	2.6	3.0	3.2	3.1
118°	1.7	1.8	2.0	1.5	1.4	1.6	2.0	2.5	2.9	3.1	3.0
118.5°	1.7	1.9	2.1	1.5	1.4	1.5	2.0	2.4	2.8	3.0	2.9
119°	1.8	1.9	2.1	1.6	1.4	1.5	1.9	2.3	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	1.8	2.2	2.5	2.7	2.7
120.5°	1.8	1.9	2.0	1.7	1.5	1.5	1.8	2.1	2.5	2.7	2.6
121°	1.8	1.9	2.0	1.7	1.5	1.5	1.7	2.1	2.4	2.6	2.6
121.5°	1.8	2.0	2.0	1.7	1.6	1.6	1.6	2.0	2.3	2.5	2.5
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	1.6	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	1.9	2.2	2.4	2.4
123.5°	1.9	2.0	2.1	1.9	1.7	1.7	1.6	1.8	2.1	2.3	2.3
124°	1.9	2.1	2.1	1.9	1.8	1.7	1.6	1.7	2.1	2.3	2.3
124.5°	1.9	2.1	2.1	2.0	1.8	1.7	1.6	1.7	2.0	2.2	2.2
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	1.8	1.8	1.7	1.7	2.0	2.1	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	2.2	1.9	1.8	1.8	1.8	2.0	2.1	2.2
127°	2.0	2.1	2.2	2.3	1.9	1.9	1.8	1.8	2.0	2.1	2.2
127.5°	2.1	2.1	2.2	2.4	2.0	1.9	1.8	1.9	2.0	2.2	2.2
128°	2.1	2.1	2.2	2.5	2.0	1.9	1.9	1.9	2.0	2.2	2.3
128.5°	2.1	2.1	2.1	2.5	2.0	1.9	1.9	2.0	2.1	2.2	2.3
129°	2.1	2.1	2.1	2.5	2.1	2.0	2.0	2.0	2.1	2.3	2.3
129.5°	2.1	2.1	2.1	2.5	2.1	2.0	2.0	2.0	2.2	2.3	2.4
130°	2.1	2.1	2.1	2.5	2.2	2.1	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	2.4	2.4
131°	2.2	2.2	2.1	2.5	2.3	2.1	2.1	2.2	2.3	2.4	2.5
131.5°	2.2	2.2	2.1	2.5	2.3	2.2	2.2	2.2	2.3	2.4	2.5
132°	2.2	2.2	2.2	2.6	2.4	2.2	2.2	2.3	2.4	2.5	2.6
132.5°	2.2	2.2	2.2	2.6	2.5	2.3	2.3	2.3	2.4	2.5	2.6
133°	2.2	2.2	2.2	2.7	2.6	2.3	2.3	2.4	2.4	2.5	2.6
133.5°	2.2	2.3	2.2	2.7	2.7	2.4	2.4	2.4	2.5	2.6	2.7



TEST NUMBER: P563553

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

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	2.5	2.6	2.6	2.7	2.8
135.5°	2.2	2.3	2.3	2.8	2.9	2.6	2.6	2.6	2.6	2.7	2.8
136°	2.2	2.3	2.4	2.7	3.0	2.7	2.6	2.7	2.7	2.8	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	3.0	2.8	2.7	2.7	2.8	2.8	3.0
137.5°	2.2	2.4	2.4	2.7	3.0	2.9	2.8	2.8	2.8	2.9	3.0
138°	2.2	2.4	2.5	2.6	3.0	3.0	2.8	2.8	2.8	2.9	3.1
138.5°	2.2	2.5	2.5	2.6	3.0	3.1	2.9	2.9	2.9	3.0	3.1
139°	2.3	2.5	2.5	2.6	3.0	3.2	2.9	2.9	2.9	3.0	3.2
139.5°	2.3	2.5	2.5	2.6	3.1	3.3	3.0	3.0	3.0	3.0	3.2
140°	2.3	2.5	2.5	2.6	3.1	3.3	3.0	3.0	3.0	3.1	3.3
140.5°	2.3	2.6	2.5	2.5	3.1	3.3	3.1	3.0	3.0	3.1	3.3
141°	2.3	2.6	2.6	2.5	3.1	3.3	3.1	3.1	3.1	3.2	3.4
141.5°	2.3	2.6	2.6	2.5	3.1	3.4	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	3.2	3.2	3.3	3.5
142.5°	2.3	2.6	2.6	2.5	3.1	3.4	3.5	3.2	3.2	3.3	3.5
143°	2.3	2.6	2.6	2.5	3.1	3.4	3.5	3.3	3.3	3.4	3.6
143.5°	2.3	2.6	2.6	2.5	3.0	3.4	3.6	3.3	3.3	3.5	3.7
144°	2.3	2.7	2.6	2.5	3.0	3.4	3.6	3.4	3.4	3.5	3.7
144.5°	2.3	2.7	2.7	2.5	3.0	3.4	3.6	3.5	3.5	3.6	3.8
145°	2.3	2.7	2.7	2.5	2.9	3.4	3.6	3.7	3.5	3.6	3.8
145.5°	2.3	2.7	2.7	2.5	2.9	3.4	3.6	3.8	3.6	3.7	3.9
146°	2.3	2.7	2.7	2.5	2.9	3.4	3.6	3.8	3.8	3.8	4.0
146.5°	2.3	2.7	2.7	2.5	2.8	3.4	3.6	3.8	3.9	3.9	4.2
147°	2.3	2.7	2.7	2.5	2.8	3.3	3.5	3.8	4.0	4.0	4.3
147.5°	2.3	2.7	2.7	2.5	2.8	3.3	3.5	3.8	4.0	4.1	4.3
148°	2.3	2.7	2.7	2.5	2.7	3.3	3.5	3.8	3.9	4.1	4.3
148.5°	2.3	2.7	2.7	2.5	2.7	3.3	3.5	3.8	3.9	4.1	4.3
149°	2.2	2.7	2.7	2.5	2.7	3.2	3.5	3.7	3.9	4.1	4.3
149.5°	2.2	2.6	2.7	2.5	2.6	3.2	3.5	3.7	4.0	4.1	4.3
150°	2.2	2.6	2.7	2.5	2.6	3.2	3.5	3.7	4.0	4.1	4.2
150.5°	2.2	2.6	2.7	2.5	2.6	3.1	3.5	3.7	3.9	4.0	4.2
151°	2.1	2.6	2.7	2.5	2.6	3.1	3.5	3.7	3.9	4.0	4.1
151.5°	2.0	2.6	2.7	2.6	2.6	3.0	3.4	3.7	3.9	3.9	4.1
152°	2.0	2.5	2.7	2.6	2.6	2.9	3.4	3.7	3.9	3.9	4.1
152.5°	2.0	2.5	2.7	2.6	2.6	2.9	3.3	3.7	3.8	3.9	4.1
153°	2.0	2.5	2.7	2.6	2.6	2.8	3.3	3.6	3.8	3.9	4.1
153.5°	1.8	2.5	2.7	2.6	2.6	2.8	3.2	3.6	3.8	3.9	4.0
154°	1.7	2.4	2.7	2.6	2.6	2.8	3.2	3.5	3.7	3.8	3.9
154.5°	1.7	2.4	2.8	2.7	2.6	2.8	3.1	3.4	3.6	3.8	3.8
155°	1.7	2.4	2.8	2.7	2.6	2.7	3.0	3.4	3.6	3.7	3.7
155.5°	1.7	2.4	2.8	2.7	2.6	2.7	3.0	3.3	3.5	3.6	3.7
156°	1.6	2.4	2.8	2.7	2.7	2.7	2.9	3.2	3.4	3.5	3.6



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.5	2.3	2.8	2.7	2.7	2.7	2.8	3.0	3.2	3.3	3.3
158°	1.5	2.4	2.8	2.7	2.8	2.8	2.8	3.0	3.1	3.2	3.3
158.5°	1.5	2.4	2.8	2.8	2.8	2.8	2.8	2.9	3.1	3.2	3.2
159°	1.5	2.3	2.8	2.8	2.8	2.8	2.8	2.9	3.0	3.1	3.1
159.5°	1.5	2.3	2.7	2.8	2.8	2.8	2.8	2.9	3.0	3.0	3.1
160°	1.5	2.3	2.7	2.8	2.9	2.9	2.8	2.9	2.9	3.0	3.0
160.5°	1.5	2.3	2.7	2.8	2.9	2.9	2.8	2.8	2.9	3.0	3.0
161°	1.5	2.3	2.7	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0
161.5°	1.5	2.2	2.7	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0
162°	1.6	2.2	2.6	2.8	2.9	3.0	2.9	2.9	2.9	2.9	3.0
162.5°	1.6	2.2	2.6	2.8	2.9	3.0	2.9	2.9	2.9	2.9	3.0
163°	1.6	2.1	2.6	2.8	3.0	3.0	3.0	2.9	2.9	2.9	3.0
163.5°	1.6	2.1	2.6	2.8	3.0	3.0	3.0	3.0	2.9	2.9	3.0
164°	1.6	2.0	2.6	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0
164.5°	1.6	1.9	2.6	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0
165°	1.6	1.9	2.6	2.8	3.0	3.1	3.0	3.0	3.0	3.0	3.0
165.5°	1.6	1.9	2.5	2.7	3.0	3.1	3.1	3.0	3.0	3.0	3.1
166°	1.6	1.9	2.6	2.7	3.0	3.1	3.1	3.1	3.1	3.0	3.1
166.5°	1.6	1.9	2.7	2.7	3.0	3.1	3.1	3.1	3.1	3.1	3.1
167°	1.6	1.9	2.5	2.7	3.0	3.1	3.1	3.1	3.1	3.1	3.1
167.5°	1.6	2.0	2.4	2.7	2.9	3.1	3.1	3.1	3.1	3.1	3.1
168°	1.6	2.0	2.4	2.5	2.9	3.1	3.1	3.2	3.2	3.1	3.2
168.5°	1.7	1.9	2.5	2.5	2.9	3.1	3.1	3.2	3.2	3.2	3.2
169°	1.7	1.8	2.4	2.6	2.9	3.1	3.1	3.2	3.2	3.2	3.2
169.5°	1.7	1.9	2.1	2.7	2.6	3.0	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	2.1	2.4	2.4	2.9	3.0	3.1	3.2	3.2	3.2	3.2
171°	2.3	2.1	2.4	2.5	2.8	2.9	3.1	3.2	3.2	3.2	3.2
171.5°	2.3	2.3	2.3	2.5	2.4	2.6	3.0	3.1	3.2	3.2	3.2
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	3.1	3.1	3.1	3.1
173°	2.4	2.4	2.5	2.5	2.5	2.7	2.9	3.0	3.0	3.0	3.1
173.5°	2.4	2.5	2.5	2.5	2.5	2.5	2.9	3.0	3.0	3.0	3.0
174°	2.5	2.5	2.6	2.4	2.6	2.7	2.7	2.9	3.0	3.0	3.0
174.5°	2.6	2.6	2.6	2.5	2.4	2.5	2.6	2.8	2.9	2.9	3.0
175°	2.6	2.7	2.7	2.6	2.4	2.5	2.7	2.8	2.9	2.9	2.9
175.5°	2.7	2.7	2.7	2.6	2.5	2.4	2.6	2.9	2.9	2.9	2.9
176°	2.7	2.7	2.7	2.6	2.4	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	2.9	2.9	2.8
177°	2.7	2.7	2.8	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	2.5	2.6	2.7	2.8	2.7
178°	2.7	2.7	2.7	2.6	2.5	2.4	2.3	2.5	2.7	2.8	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: P563553
CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-4000K

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: P563553

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8
0.5°	1445.1	1445.1	1445.0	1444.8	1444.7	1444.5	1444.4	1444.3	1444.2	1444.2	1444.3
1°	1445.1	1445.3	1445.5	1445.6	1445.5	1445.2	1444.8	1444.4	1444.1	1443.9	1443.9
1.5°	1445.5	1445.4	1445.0	1444.3	1443.9	1443.8	1443.8	1443.7	1443.4	1443.1	1443.1
2°	1445.5	1444.4	1443.2	1443.2	1443.1	1442.6	1442.4	1442.5	1442.2	1442.1	1442.0
2.5°	1444.3	1444.2	1444.3	1443.4	1443.3	1443.0	1442.2	1442.0	1441.7	1441.5	1441.2
3°	1443.7	1443.4	1443.1	1442.5	1442.5	1442.2	1441.9	1441.4	1440.2	1439.3	1439.6
3.5°	1442.6	1442.3	1442.2	1442.3	1441.6	1440.5	1440.3	1440.6	1438.8	1438.2	1438.0
4°	1442.3	1441.6	1441.1	1441.1	1440.8	1440.1	1439.1	1439.4	1438.4	1437.3	1436.3
4.5°	1439.7	1440.5	1439.1	1439.9	1440.0	1439.0	1437.8	1437.1	1436.7	1435.7	1434.9
5°	1439.1	1439.0	1438.8	1438.0	1438.4	1437.8	1436.8	1435.9	1435.4	1434.5	1432.7
5.5°	1438.2	1437.6	1437.3	1436.5	1436.9	1435.8	1435.6	1434.6	1434.1	1433.0	1431.0
6°	1436.6	1435.9	1435.3	1435.0	1434.8	1434.3	1433.9	1432.8	1432.0	1431.2	1428.7
6.5°	1434.5	1434.0	1433.6	1433.1	1432.7	1433.2	1432.3	1431.0	1429.4	1429.3	1426.7
7°	1432.7	1431.8	1432.3	1431.3	1431.1	1431.2	1430.5	1428.7	1427.2	1426.5	1424.8
7.5°	1430.3	1429.7	1429.9	1429.9	1428.8	1428.9	1428.0	1427.1	1424.8	1424.4	1422.8
8°	1428.1	1427.8	1427.4	1427.5	1427.0	1427.1	1425.2	1424.3	1422.7	1422.1	1419.7
8.5°	1425.2	1425.2	1424.8	1424.6	1425.0	1424.1	1423.9	1422.0	1421.0	1419.3	1417.2
9°	1422.3	1422.6	1422.3	1422.2	1422.7	1421.5	1421.0	1420.0	1417.8	1416.4	1414.5
9.5°	1419.9	1420.1	1419.3	1419.4	1419.5	1419.3	1417.9	1416.8	1414.5	1413.3	1411.0
10°	1416.8	1416.9	1416.2	1417.1	1416.7	1415.4	1415.5	1414.1	1411.8	1410.4	1407.9
10.5°	1413.5	1413.9	1412.6	1414.1	1413.6	1412.9	1412.9	1411.4	1409.3	1406.7	1404.9
11°	1409.6	1410.8	1410.2	1411.4	1410.8	1410.3	1409.9	1408.4	1405.9	1403.2	1401.1
11.5°	1406.0	1407.3	1406.5	1407.5	1407.5	1407.6	1406.4	1404.6	1402.0	1400.2	1397.2
12°	1402.4	1403.2	1403.0	1403.6	1404.4	1403.7	1403.0	1401.3	1399.1	1397.0	1393.6
12.5°	1398.7	1399.7	1399.5	1399.8	1401.0	1400.2	1399.4	1398.0	1395.8	1392.6	1390.2
13°	1394.7	1395.6	1395.2	1395.7	1396.7	1396.4	1396.2	1394.5	1392.5	1388.7	1386.3
13.5°	1390.1	1390.7	1390.8	1392.1	1392.8	1392.5	1392.3	1390.7	1387.9	1384.6	1381.4
14°	1385.4	1386.4	1387.1	1388.2	1388.9	1388.7	1388.4	1387.2	1383.8	1380.5	1377.1
14.5°	1380.6	1381.8	1382.7	1383.8	1384.9	1384.8	1384.4	1382.9	1380.3	1376.0	1372.5
15°	1375.8	1377.6	1378.1	1379.4	1381.1	1380.4	1380.4	1378.3	1376.2	1371.0	1367.9
15.5°	1370.7	1373.2	1373.8	1375.1	1376.8	1375.8	1376.3	1374.0	1371.3	1366.8	1363.3
16°	1365.3	1367.7	1368.8	1370.2	1371.8	1371.7	1371.7	1369.9	1366.6	1362.8	1358.7
16.5°	1360.1	1362.7	1363.7	1365.2	1366.8	1367.2	1366.8	1365.7	1362.4	1358.0	1353.4
17°	1354.6	1357.0	1358.3	1360.1	1362.3	1362.2	1362.1	1361.0	1357.5	1352.8	1347.7
17.5°	1348.9	1351.8	1353.3	1354.9	1357.7	1357.7	1358.2	1355.9	1352.4	1347.8	1342.5
18°	1343.4	1345.5	1348.0	1350.4	1352.3	1352.4	1352.7	1350.6	1347.1	1342.6	1336.9
18.5°	1337.1	1339.2	1342.6	1344.7	1347.1	1346.9	1347.0	1345.7	1341.9	1336.7	1330.9
19°	1330.6	1333.1	1336.4	1338.5	1341.7	1342.1	1342.1	1340.5	1337.1	1331.1	1325.4
19.5°	1324.2	1327.0	1330.3	1333.2	1335.9	1336.3	1336.7	1335.0	1331.4	1325.6	1319.3
20°	1318.4	1321.4	1324.4	1327.4	1330.1	1331.1	1331.1	1329.7	1325.9	1319.8	1313.3
20.5°	1311.7	1314.7	1318.4	1321.0	1324.6	1325.2	1325.2	1324.2	1320.3	1314.0	1307.1
21°	1304.7	1308.6	1311.6	1314.8	1318.2	1319.7	1319.7	1318.1	1314.3	1307.6	1300.9



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1283.3	1286.8	1291.4	1296.0	1299.6	1301.6	1301.5	1299.5	1295.7	1288.3	1281.5
23°	1275.8	1279.7	1284.7	1289.1	1293.0	1294.9	1295.1	1293.0	1289.4	1282.2	1274.1
23.5°	1268.2	1272.3	1277.3	1281.7	1286.8	1288.8	1289.0	1287.0	1282.7	1275.9	1267.3
24°	1260.1	1265.2	1269.8	1274.9	1279.6	1281.9	1282.3	1280.6	1276.3	1269.0	1260.3
24.5°	1252.3	1257.2	1262.6	1267.6	1272.5	1275.3	1276.1	1274.0	1269.4	1261.9	1253.0
25°	1244.6	1249.3	1255.2	1260.4	1265.4	1268.5	1269.5	1267.2	1262.5	1254.5	1245.4
25.5°	1236.3	1241.6	1247.3	1252.7	1258.1	1261.4	1262.2	1260.1	1255.5	1247.4	1238.3
26°	1228.0	1233.6	1239.6	1244.9	1250.9	1254.0	1254.8	1253.5	1248.5	1240.1	1230.5
26.5°	1219.7	1224.9	1231.3	1237.2	1243.8	1247.2	1247.7	1246.2	1240.9	1232.8	1222.8
27°	1210.8	1216.8	1223.2	1229.6	1235.7	1239.5	1240.4	1238.4	1233.8	1225.2	1215.0
27.5°	1202.3	1208.0	1215.0	1221.5	1228.5	1231.8	1232.8	1231.1	1226.3	1217.6	1207.0
28°	1193.1	1199.7	1206.2	1213.8	1220.3	1223.9	1225.0	1223.6	1218.5	1209.8	1198.7
28.5°	1184.2	1190.6	1198.1	1205.5	1212.0	1216.3	1217.5	1216.2	1210.8	1201.8	1191.0
29°	1175.0	1181.7	1189.6	1196.6	1204.4	1209.0	1210.0	1208.2	1203.0	1193.9	1182.5
29.5°	1165.3	1172.1	1180.6	1188.1	1196.1	1200.2	1202.4	1200.3	1194.7	1185.6	1173.7
30°	1156.4	1163.5	1171.8	1179.9	1187.6	1193.0	1193.7	1192.3	1186.4	1177.3	1165.4
30.5°	1146.8	1153.4	1162.8	1171.5	1179.1	1184.3	1185.3	1183.7	1179.0	1168.9	1156.6
31°	1136.4	1144.6	1153.8	1162.2	1170.8	1175.5	1177.6	1176.2	1170.3	1160.1	1148.0
31.5°	1126.5	1135.1	1144.4	1153.0	1162.3	1167.4	1169.0	1167.4	1161.5	1152.0	1139.2
32°	1116.8	1125.1	1134.9	1144.4	1153.0	1158.6	1160.2	1159.0	1153.5	1143.1	1130.2
32.5°	1106.8	1115.7	1125.7	1135.1	1143.9	1150.0	1151.8	1150.7	1144.4	1134.4	1121.3
33°	1096.7	1105.5	1116.2	1125.9	1135.6	1140.9	1143.4	1141.6	1136.0	1125.5	1111.7
33.5°	1086.3	1095.6	1106.3	1116.8	1126.1	1132.2	1134.0	1133.1	1127.1	1116.3	1102.5
34°	1076.1	1085.5	1096.5	1107.1	1116.4	1123.1	1125.2	1124.6	1118.2	1107.2	1093.2
34.5°	1066.1	1075.2	1086.6	1097.4	1107.3	1114.4	1116.4	1115.3	1108.7	1098.4	1084.9
35°	1055.4	1064.6	1076.5	1087.4	1098.2	1104.8	1107.5	1106.1	1099.9	1089.0	1075.8
35.5°	1044.2	1054.7	1066.4	1077.7	1088.6	1094.9	1098.1	1096.9	1090.7	1080.2	1065.6
36°	1033.4	1044.0	1056.2	1068.2	1078.5	1086.1	1088.8	1088.0	1081.7	1070.3	1055.5
36.5°	1022.7	1033.1	1046.1	1058.4	1069.0	1076.8	1079.5	1078.8	1071.8	1060.4	1045.3
37°	1011.9	1022.8	1035.6	1047.6	1059.7	1067.4	1069.9	1069.0	1062.1	1050.6	1035.2
37.5°	1001.3	1011.8	1025.2	1037.9	1049.5	1057.5	1060.2	1059.2	1052.3	1040.7	1025.1
38°	990.1	1001.4	1015.0	1028.0	1039.8	1047.5	1050.5	1049.4	1042.6	1030.8	1015.1
38.5°	979.4	990.1	1004.6	1017.3	1028.9	1037.4	1040.8	1039.7	1032.8	1020.9	1004.7
39°	968.2	979.7	993.7	1006.8	1019.1	1027.3	1030.7	1029.7	1022.8	1010.9	994.7
39.5°	957.4	968.6	982.9	996.4	1008.8	1017.2	1020.4	1019.4	1012.5	1001.0	984.1
40°	945.9	957.4	972.0	985.9	998.5	1007.3	1010.6	1009.4	1002.6	990.6	973.9
40.5°	934.3	946.4	960.7	975.7	987.8	997.1	1000.4	999.0	992.4	980.5	963.6
41°	922.8	934.9	950.1	964.5	977.7	986.3	989.8	988.9	982.2	970.4	953.2
41.5°	912.0	923.9	939.2	953.6	966.8	976.0	979.7	978.7	972.1	959.5	942.2
42°	900.8	913.3	928.2	942.9	956.2	965.3	968.9	968.7	961.3	948.5	931.5
42.5°	889.6	901.9	917.2	932.2	945.3	954.7	958.6	957.9	951.1	938.3	920.6
43°	878.2	889.9	905.9	921.2	934.8	944.8	948.0	947.3	940.3	927.9	910.8
43.5°	866.4	879.2	895.0	910.3	924.2	933.6	937.4	936.7	929.4	917.1	899.7



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	832.6	845.2	861.3	877.0	891.7	901.2	904.8	904.5	897.5	884.3	866.7
45.5°	820.7	833.5	850.1	866.0	880.0	889.7	894.3	893.7	886.1	873.3	855.6
46°	809.3	821.9	838.7	854.6	868.9	879.3	883.0	882.5	875.0	862.6	844.6
46.5°	797.7	811.0	826.9	843.3	857.5	867.8	871.8	871.2	864.1	851.6	833.7
47°	786.5	799.1	815.7	832.3	846.9	857.2	861.1	860.2	852.9	840.3	822.4
47.5°	775.0	788.5	804.3	820.8	835.7	846.1	849.3	849.2	842.0	829.1	811.2
48°	763.6	776.3	792.9	809.5	824.3	834.8	838.3	837.6	830.8	818.2	800.1
48.5°	752.4	765.2	782.1	798.4	812.5	823.0	826.9	826.6	819.6	806.8	788.5
49°	740.8	754.0	770.9	786.9	801.9	811.9	815.8	815.5	808.6	795.4	777.6
49.5°	729.8	742.7	759.4	775.4	790.0	801.1	804.8	804.1	797.0	784.1	766.5
50°	718.6	730.9	747.9	763.7	779.2	789.5	793.5	792.9	785.7	773.1	755.1
50.5°	707.3	719.8	736.4	752.9	767.6	778.2	782.0	781.4	774.6	761.5	743.5
51°	695.8	708.6	725.1	741.7	756.5	766.5	770.3	769.9	762.6	750.1	732.3
51.5°	685.0	697.9	713.7	730.3	744.7	755.6	758.8	758.5	751.5	739.0	720.9
52°	673.8	686.1	702.5	718.5	733.5	743.3	747.7	747.1	740.0	727.1	709.5
52.5°	662.9	675.1	691.2	707.3	721.9	732.2	736.3	736.6	728.5	715.5	698.2
53°	651.9	664.0	679.8	696.1	710.7	720.6	725.5	725.0	716.9	704.2	686.9
53.5°	640.8	653.2	668.8	684.6	699.3	709.4	715.1	712.2	705.4	693.1	675.5
54°	629.9	641.2	657.8	673.1	687.9	697.6	702.7	700.6	693.5	681.3	664.4
54.5°	619.2	630.7	646.3	662.0	675.9	686.5	689.9	689.1	682.1	670.0	653.1
55°	608.0	619.9	635.3	650.7	664.8	674.7	678.3	677.2	670.4	658.5	641.5
55.5°	597.0	609.0	624.5	639.4	653.1	663.2	666.3	665.4	658.6	646.9	630.0
56°	586.3	597.9	613.2	627.9	641.7	651.1	654.7	655.1	647.3	635.3	618.8
56.5°	575.8	587.1	602.0	616.7	630.3	639.6	643.7	643.3	635.9	623.8	607.5
57°	565.4	576.2	590.6	605.6	618.8	628.1	633.4	630.2	624.5	612.3	596.1
57.5°	554.7	565.7	579.6	594.8	607.3	616.7	621.2	618.8	612.0	600.7	584.9
58°	544.1	555.0	569.1	583.4	595.7	605.1	607.7	607.1	600.4	589.2	573.5
58.5°	533.9	544.1	557.9	571.7	584.2	593.2	596.1	595.6	588.7	578.0	562.1
59°	523.6	533.5	546.7	560.3	573.1	581.6	584.7	584.0	577.3	566.2	550.7
59.5°	513.1	523.2	536.0	549.3	561.7	570.7	573.9	571.4	565.4	554.5	539.8
60°	503.1	512.8	525.2	538.5	551.2	559.2	561.8	559.8	553.7	543.1	528.1
60.5°	492.9	502.3	514.7	527.4	540.0	547.0	548.9	548.2	541.6	531.5	517.0
61°	482.8	491.9	504.3	516.4	527.9	534.8	536.9	536.6	530.2	519.9	505.8
61.5°	472.6	481.4	493.5	505.9	516.1	523.5	525.7	524.4	518.1	508.2	494.3
62°	462.4	470.9	482.7	494.7	508.1	513.2	514.7	512.8	506.4	497.0	483.2
62.5°	452.2	460.4	471.9	484.0	496.1	509.4	499.7	500.7	494.9	485.5	471.9
63°	442.2	450.3	461.0	472.6	485.0	495.3	488.1	489.3	483.4	473.9	461.2
63.5°	432.6	440.3	450.3	461.1	472.4	481.6	476.9	477.3	471.2	462.6	450.1
64°	423.0	430.3	439.8	449.9	459.8	467.9	465.5	465.2	459.8	451.2	438.9
64.5°	413.3	420.1	429.6	439.1	448.2	454.2	454.1	453.5	448.1	439.6	427.7
65°	403.7	410.4	419.5	428.6	436.7	442.1	442.5	442.0	436.6	428.2	417.1
65.5°	394.2	400.7	409.1	417.7	425.5	430.3	431.3	430.1	424.9	416.9	405.9
66°	384.7	391.0	398.7	407.3	414.4	419.9	419.7	418.3	413.4	405.6	394.9



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	357.1	362.0	369.2	375.8	381.6	384.7	384.4	383.4	378.7	371.8	362.6
68°	347.8	352.7	359.2	365.3	370.5	373.6	372.7	371.9	367.2	360.5	351.4
68.5°	338.8	343.2	349.0	354.9	359.6	362.2	361.6	360.2	355.4	349.2	341.0
69°	329.7	333.6	339.3	344.4	348.6	351.0	349.9	348.4	343.9	338.2	330.2
69.5°	320.5	324.1	329.6	334.3	338.2	340.0	338.5	336.6	332.6	327.2	319.9
70°	311.4	315.1	319.9	324.3	327.5	328.5	326.7	325.4	321.3	316.1	309.2
70.5°	302.9	306.0	310.4	314.1	316.7	317.2	315.4	313.9	309.6	305.3	298.6
71°	294.3	297.1	300.9	304.1	306.1	306.3	303.8	302.6	298.7	294.0	288.0
71.5°	285.5	288.2	291.4	294.0	295.6	295.2	292.6	291.1	287.3	283.2	277.8
72°	276.8	279.2	281.9	284.1	285.1	284.3	281.5	279.7	276.0	272.3	267.5
72.5°	268.4	270.1	272.6	274.2	275.0	273.5	270.3	268.3	264.8	261.7	257.4
73°	259.8	261.2	263.3	264.5	264.7	262.6	259.1	257.0	253.7	250.9	247.0
73.5°	251.5	252.5	254.2	254.8	254.5	252.0	248.1	245.9	242.8	240.3	237.0
74°	243.4	244.0	245.3	245.4	244.2	241.3	237.0	234.8	232.0	229.7	227.0
74.5°	235.2	235.5	236.3	235.8	234.1	230.8	226.0	223.6	221.1	219.1	217.3
75°	226.9	227.0	227.2	226.1	224.0	220.3	215.2	212.8	210.4	208.9	207.5
75.5°	219.0	218.7	218.4	216.9	214.2	209.8	204.6	202.0	199.6	198.8	198.0
76°	211.1	210.5	209.7	207.7	204.5	199.6	193.9	191.2	189.1	188.6	188.2
76.5°	203.3	202.2	201.0	198.4	194.9	189.5	183.2	180.4	178.7	178.7	179.0
77°	195.5	194.1	192.7	189.8	185.2	179.3	173.0	170.0	168.5	168.8	169.7
77.5°	187.8	186.2	184.3	180.8	175.8	169.4	162.6	159.7	158.1	159.2	160.6
78°	180.4	178.5	175.9	172.0	166.5	159.7	152.6	149.4	148.2	149.5	151.2
78.5°	173.0	170.7	167.9	163.5	157.5	150.1	142.7	139.4	138.4	140.1	142.7
79°	165.8	163.3	159.9	155.0	148.6	140.7	133.0	129.9	129.0	131.4	134.5
79.5°	158.6	155.7	152.0	146.4	139.8	131.4	123.2	120.4	119.8	122.7	126.3
80°	151.5	148.5	144.3	138.4	131.0	122.1	113.9	110.9	110.5	114.0	118.1
80.5°	144.6	141.3	136.8	130.1	122.5	113.4	104.8	101.4	101.2	105.2	110.0
81°	138.0	134.4	129.4	122.5	114.3	104.8	95.9	92.3	92.4	96.5	101.8
81.5°	131.4	127.5	122.2	114.8	106.4	96.4	87.2	83.2	84.0	88.3	94.1
82°	124.8	120.7	115.2	107.6	98.3	88.2	78.7	74.6	75.5	80.3	86.6
82.5°	118.5	114.2	108.3	100.2	90.8	80.2	70.7	66.7	67.6	72.8	79.5
83°	112.5	107.9	101.7	93.4	83.5	72.5	62.9	58.8	60.0	65.6	72.7
83.5°	106.4	101.8	95.3	86.7	76.4	65.3	55.5	51.4	52.9	58.6	66.1
84°	100.6	95.8	89.1	80.1	69.6	58.3	48.4	44.1	45.8	51.9	59.8
84.5°	95.1	90.0	83.0	73.7	63.1	51.6	42.4	37.4	39.3	45.6	53.9
85°	89.5	84.3	77.1	67.9	56.9	46.2	36.4	31.1	33.0	39.7	48.3
85.5°	84.2	78.9	71.6	62.2	51.2	40.8	30.5	25.3	27.4	34.3	43.1
86°	79.1	73.7	66.3	56.8	46.4	35.4	24.5	21.0	22.2	29.4	38.3
86.5°	74.2	68.8	61.2	51.7	41.7	30.0	19.3	16.7	18.7	24.8	33.7
87°	69.5	64.0	56.3	47.5	37.0	24.6	14.9	12.5	15.3	20.8	29.5
87.5°	64.9	59.3	51.8	43.3	32.3	20.4	11.2	8.2	11.8	18.2	25.7
88°	60.5	55.0	47.9	39.1	27.6	16.8	8.0	4.0	8.4	15.5	22.3
88.5°	56.3	50.6	44.1	34.9	23.9	13.7	5.5	1.8	5.1	12.9	19.4



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	45.7	40.3	33.0	24.3	15.2	7.1	2.5	0.6	2.2	6.5	13.6
90.5°	42.4	36.9	29.9	21.6	13.0	5.7	1.5	0.4	1.8	5.5	12.0
91°	39.2	33.9	27.1	19.1	11.2	5.1	1.1	0.3	1.6	4.9	10.4
91.5°	36.1	31.1	24.5	17.0	9.6	4.4	0.9	0.2	1.4	4.4	8.8
92°	33.3	28.4	22.1	15.1	8.4	3.8	0.7	0.2	1.3	4.1	8.1
92.5°	30.7	26.0	20.0	13.4	7.4	3.2	0.6	0.3	1.2	3.8	7.5
93°	28.4	23.8	18.2	12.1	6.6	2.8	0.5	0.3	1.1	3.5	7.0
93.5°	26.2	21.9	16.5	10.8	6.0	2.6	0.5	0.4	1.0	3.4	6.7
94°	24.2	20.0	15.0	9.9	5.6	2.3	0.5	0.4	1.0	3.3	6.4
94.5°	22.3	18.4	13.7	9.0	5.3	2.1	0.5	0.5	1.0	3.3	6.1
95°	20.6	16.9	12.6	8.4	4.9	2.0	0.5	0.5	1.0	3.2	5.9
95.5°	19.0	15.6	11.7	7.9	4.6	1.8	0.6	0.6	1.0	3.2	5.7
96°	17.7	14.5	10.9	7.5	4.3	1.7	0.7	0.7	1.0	3.1	5.6
96.5°	16.5	13.6	10.3	7.1	4.0	1.6	0.8	0.8	1.0	3.0	5.4
97°	15.4	12.7	9.7	6.7	3.8	1.5	0.8	0.8	1.0	2.8	5.3
97.5°	14.5	12.0	9.3	6.4	3.6	1.4	0.9	0.9	1.0	2.7	5.3
98°	13.7	11.4	8.9	6.1	3.4	1.3	1.0	1.0	1.0	2.7	5.2
98.5°	13.0	10.9	8.5	5.8	3.2	1.3	1.0	1.1	1.1	2.6	5.1
99°	12.4	10.5	8.1	5.5	3.1	1.2	1.1	1.2	1.1	2.6	5.0
99.5°	11.9	10.1	7.8	5.3	2.9	1.2	1.2	1.4	1.2	2.6	4.9
100°	11.5	9.7	7.5	5.0	2.7	1.2	1.3	1.5	1.3	2.6	4.8
100.5°	11.0	9.3	7.1	4.7	2.6	1.2	1.3	1.6	1.4	2.5	4.7
101°	10.7	8.9	6.8	4.5	2.4	1.2	1.4	1.7	1.5	2.5	4.6
101.5°	10.3	8.6	6.5	4.2	2.3	1.2	1.4	1.8	1.6	2.4	4.5
102°	9.9	8.2	6.3	4.0	2.2	1.2	1.5	1.8	1.6	2.3	4.4
102.5°	9.5	7.9	6.0	3.8	2.0	1.2	1.6	1.9	1.7	2.3	4.3
103°	9.1	7.6	5.7	3.7	1.9	1.3	1.7	1.9	1.8	2.2	4.2
103.5°	8.8	7.3	5.5	3.5	1.8	1.4	1.7	2.0	1.8	2.1	4.1
104°	8.5	7.0	5.2	3.3	1.8	1.5	1.8	2.0	1.9	2.1	4.0
104.5°	8.1	6.7	5.0	3.2	1.8	1.6	1.9	2.1	2.0	2.1	3.9
105°	7.8	6.4	4.8	3.0	1.8	1.6	2.1	2.1	2.0	2.0	3.8
105.5°	7.5	6.2	4.6	2.9	1.8	1.7	2.4	2.2	2.1	2.0	3.7
106°	7.2	5.9	4.4	2.7	1.7	1.7	2.7	2.3	2.2	2.0	3.5
106.5°	6.9	5.7	4.2	2.6	1.7	1.7	2.9	2.4	2.4	2.0	3.4
107°	6.6	5.5	4.0	2.5	1.7	1.8	3.1	2.4	2.7	1.9	3.3
107.5°	6.4	5.2	3.8	2.4	1.7	1.8	3.2	2.4	2.9	1.9	3.2
108°	6.1	5.0	3.6	2.3	1.7	1.9	3.2	2.5	2.8	1.9	3.1
108.5°	5.9	4.8	3.4	2.2	1.8	1.9	3.1	2.5	2.8	2.0	3.0
109°	5.6	4.5	3.3	2.2	1.8	2.0	3.0	2.6	2.8	2.0	2.9
109.5°	5.4	4.3	3.2	2.1	1.9	2.1	3.0	2.6	2.8	2.1	2.8
110°	5.2	4.1	3.0	2.0	1.9	2.1	3.0	2.6	2.9	2.2	2.8
110.5°	5.0	4.0	2.9	2.0	2.0	2.2	2.9	2.7	2.9	2.2	2.7
111°	4.8	3.8	2.8	2.0	2.0	2.3	3.0	2.7	3.0	2.3	2.7



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563553
CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-4000K

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: P563553

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8	1444.8
0.5°	1444.3	1444.3	1444.3	1444.4	1444.4	1444.4	1444.4	1444.5	1444.5	1444.5	1444.5
1°	1443.9	1443.9	1443.7	1443.4	1443.1	1442.9	1443.0	1443.3	1443.7	1444.0	1444.2
1.5°	1443.1	1443.1	1443.1	1443.0	1442.9	1442.8	1443.0	1443.2	1443.4	1443.5	1443.7
2°	1441.9	1441.9	1441.7	1441.4	1441.2	1441.2	1441.4	1441.7	1442.2	1442.5	1442.6
2.5°	1441.0	1440.9	1440.3	1439.7	1439.7	1440.0	1440.0	1440.1	1440.6	1441.2	1441.6
3°	1439.7	1439.4	1438.7	1438.4	1438.6	1438.9	1438.8	1438.7	1439.2	1439.8	1440.0
3.5°	1437.4	1437.2	1437.1	1436.6	1436.7	1437.2	1437.5	1437.7	1438.0	1438.5	1439.0
4°	1436.3	1436.1	1435.5	1435.0	1435.2	1435.7	1435.9	1436.0	1436.1	1436.7	1437.2
4.5°	1434.0	1433.7	1433.6	1433.6	1433.5	1433.3	1433.5	1433.9	1434.1	1435.0	1436.1
5°	1432.3	1432.0	1431.3	1430.9	1430.5	1430.3	1430.8	1431.6	1432.5	1433.6	1434.9
5.5°	1430.4	1429.8	1429.2	1428.7	1428.4	1428.7	1428.7	1429.4	1430.5	1431.9	1433.2
6°	1427.8	1427.2	1426.8	1426.4	1426.3	1426.0	1426.0	1426.5	1427.8	1428.9	1430.7
6.5°	1425.3	1424.3	1423.9	1423.5	1423.3	1423.5	1423.5	1424.3	1425.5	1426.8	1428.7
7°	1423.3	1422.3	1421.1	1420.4	1420.6	1420.8	1421.1	1421.8	1423.2	1424.3	1426.8
7.5°	1420.9	1419.8	1418.1	1417.7	1417.1	1416.6	1417.4	1418.6	1419.9	1421.7	1424.0
8°	1417.5	1416.7	1415.3	1414.3	1413.8	1413.9	1414.3	1415.5	1416.9	1418.5	1421.2
8.5°	1414.4	1412.8	1412.0	1411.1	1410.3	1410.6	1410.9	1412.2	1414.0	1415.7	1418.4
9°	1410.8	1409.5	1408.5	1407.3	1407.1	1407.1	1407.1	1408.3	1410.6	1413.1	1416.2
9.5°	1407.9	1406.4	1404.4	1403.7	1403.3	1403.0	1403.2	1404.8	1407.0	1409.6	1413.0
10°	1405.5	1402.8	1401.0	1399.7	1399.4	1399.3	1399.2	1400.8	1403.5	1406.3	1409.5
10.5°	1401.4	1399.2	1396.9	1395.5	1394.9	1394.2	1395.3	1397.2	1399.6	1402.7	1406.6
11°	1397.3	1395.1	1392.8	1391.5	1390.7	1390.6	1390.9	1392.6	1395.6	1398.6	1402.8
11.5°	1393.2	1390.8	1388.4	1386.9	1386.2	1385.6	1386.5	1388.3	1391.4	1395.5	1398.6
12°	1389.8	1386.4	1383.8	1382.4	1381.4	1381.1	1382.3	1384.4	1387.3	1391.7	1395.8
12.5°	1385.8	1382.2	1379.6	1378.0	1377.0	1375.9	1377.4	1379.5	1382.7	1387.0	1392.2
13°	1381.5	1377.5	1374.7	1372.8	1371.1	1370.7	1372.5	1374.6	1377.6	1382.5	1387.4
13.5°	1376.5	1372.5	1369.6	1367.4	1365.8	1365.6	1367.2	1369.1	1372.9	1377.6	1383.4
14°	1372.2	1367.8	1364.6	1362.2	1360.5	1361.0	1361.5	1364.1	1368.3	1373.7	1378.3
14.5°	1367.3	1362.5	1359.5	1357.1	1354.6	1354.9	1356.5	1358.7	1363.0	1368.7	1374.2
15°	1362.3	1357.5	1354.3	1351.3	1349.5	1349.2	1350.6	1353.6	1357.4	1363.3	1369.3
15.5°	1357.6	1352.5	1348.4	1345.2	1343.9	1343.1	1344.6	1347.6	1352.3	1358.1	1364.5
16°	1352.5	1347.1	1342.5	1339.0	1337.0	1336.9	1338.3	1341.6	1346.3	1352.4	1359.0
16.5°	1347.0	1341.5	1336.8	1333.1	1331.2	1331.3	1332.5	1335.5	1340.8	1346.9	1353.7
17°	1341.5	1335.7	1331.1	1327.3	1325.2	1324.8	1326.2	1329.4	1334.7	1341.8	1348.4
17.5°	1335.8	1329.8	1325.0	1321.0	1318.6	1318.0	1320.0	1322.9	1328.4	1335.8	1343.5
18°	1329.9	1323.5	1318.5	1314.1	1311.7	1310.9	1312.4	1316.9	1322.5	1329.8	1337.8
18.5°	1323.9	1317.5	1311.7	1307.0	1304.9	1304.5	1306.1	1310.3	1316.5	1323.7	1331.9
19°	1318.3	1310.8	1304.8	1300.2	1298.5	1297.0	1298.6	1303.1	1309.2	1317.3	1325.3
19.5°	1311.4	1304.1	1298.0	1293.1	1291.2	1289.9	1291.8	1295.9	1302.3	1311.2	1319.6
20°	1305.4	1297.9	1291.3	1286.0	1283.2	1282.7	1285.0	1289.0	1295.9	1304.6	1314.3
20.5°	1299.1	1291.0	1284.3	1278.6	1275.4	1275.1	1277.4	1282.2	1289.0	1298.1	1308.1
21°	1292.1	1284.2	1277.1	1271.1	1267.6	1267.4	1269.7	1274.6	1282.0	1291.6	1301.2



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1271.5	1262.1	1254.3	1248.3	1243.8	1243.2	1245.3	1250.5	1259.1	1270.3	1280.9
23°	1264.7	1254.7	1246.8	1240.1	1235.9	1235.6	1237.2	1242.9	1251.7	1262.9	1274.4
23.5°	1257.1	1246.7	1238.5	1231.8	1228.1	1226.6	1228.7	1234.5	1243.8	1255.1	1267.1
24°	1249.9	1239.2	1230.2	1222.8	1219.2	1217.7	1219.7	1226.5	1235.5	1247.2	1259.4
24.5°	1242.3	1231.5	1221.8	1214.1	1210.5	1208.6	1211.6	1218.8	1228.0	1239.6	1252.2
25°	1235.5	1223.5	1214.2	1206.0	1202.2	1199.9	1202.9	1210.2	1219.8	1231.8	1244.5
25.5°	1226.8	1215.1	1205.7	1197.3	1192.6	1191.0	1193.9	1200.9	1210.9	1223.5	1237.2
26°	1218.8	1206.7	1196.6	1188.6	1184.0	1181.9	1185.1	1192.1	1202.9	1215.8	1229.7
26.5°	1210.8	1198.5	1187.6	1179.5	1175.0	1172.7	1175.4	1183.2	1194.1	1207.6	1221.4
27°	1203.2	1190.6	1179.1	1169.9	1165.2	1163.9	1166.3	1173.9	1185.4	1198.9	1213.3
27.5°	1194.8	1181.2	1170.0	1160.5	1155.1	1154.6	1157.1	1164.6	1176.2	1190.8	1204.9
28°	1185.9	1172.5	1161.1	1151.2	1146.2	1144.7	1147.9	1156.1	1167.7	1182.0	1197.2
28.5°	1177.8	1164.2	1152.1	1142.4	1136.7	1134.9	1137.9	1146.4	1158.6	1173.0	1188.0
29°	1169.3	1154.9	1142.7	1132.4	1126.6	1125.8	1128.8	1136.3	1148.6	1163.8	1179.7
29.5°	1160.5	1145.6	1133.2	1122.7	1117.1	1115.2	1117.9	1126.8	1139.6	1155.3	1171.6
30°	1151.6	1136.3	1123.7	1113.0	1106.8	1105.2	1108.7	1117.4	1130.3	1146.5	1162.8
30.5°	1142.5	1127.3	1114.1	1103.1	1097.3	1095.1	1098.5	1107.3	1120.5	1136.9	1153.7
31°	1133.5	1117.9	1104.4	1093.3	1087.2	1085.0	1088.7	1097.7	1110.9	1127.5	1145.1
31.5°	1124.2	1108.4	1094.7	1083.2	1076.7	1074.5	1078.4	1087.9	1101.5	1118.4	1135.8
32°	1114.8	1099.1	1085.0	1072.7	1066.2	1064.0	1068.0	1077.5	1092.0	1109.0	1126.8
32.5°	1106.0	1089.5	1074.9	1062.2	1055.7	1053.5	1057.5	1067.0	1082.0	1099.7	1117.6
33°	1096.4	1079.5	1064.8	1051.6	1045.2	1043.0	1047.1	1056.6	1071.7	1090.2	1108.5
33.5°	1086.4	1069.3	1054.7	1041.0	1034.7	1032.5	1036.7	1046.2	1061.5	1080.4	1099.1
34°	1078.1	1059.4	1044.7	1031.1	1023.5	1021.8	1025.4	1035.6	1051.2	1070.4	1089.6
34.5°	1068.0	1049.5	1034.5	1021.1	1013.1	1010.7	1014.9	1025.6	1041.0	1060.5	1080.5
35°	1057.9	1039.2	1023.2	1010.4	1002.5	999.8	1004.4	1015.2	1030.8	1050.5	1070.8
35.5°	1047.8	1029.1	1012.9	999.8	991.7	989.1	993.5	1004.7	1020.2	1040.5	1061.0
36°	1037.8	1019.0	1002.7	988.5	980.4	978.1	982.4	993.0	1009.6	1030.5	1051.2
36.5°	1027.6	1008.5	991.3	977.6	969.1	967.2	971.4	982.6	998.9	1019.6	1041.5
37°	1017.3	997.5	980.8	967.0	958.0	955.6	960.2	972.0	988.3	1009.1	1031.3
37.5°	1007.0	987.0	970.1	956.1	947.7	944.6	949.3	960.7	977.3	998.5	1021.1
38°	996.4	976.2	959.0	944.4	935.9	934.0	937.9	949.9	967.0	988.1	1010.2
38.5°	986.0	965.8	948.1	933.7	925.0	922.0	927.1	938.8	956.1	977.7	1000.0
39°	975.6	955.3	937.1	922.5	913.9	911.2	916.2	928.0	945.2	967.1	989.7
39.5°	964.9	944.7	926.4	911.3	902.9	899.8	904.4	916.6	934.1	956.2	979.5
40°	954.6	933.7	915.4	900.5	891.3	888.6	893.5	905.5	923.1	945.5	968.9
40.5°	944.0	922.8	904.4	889.1	879.9	877.3	881.7	893.9	912.6	934.7	958.6
41°	933.3	911.8	893.2	877.6	868.7	865.9	871.0	883.2	901.2	924.0	947.7
41.5°	922.4	901.0	882.2	866.7	857.4	854.8	859.3	872.0	890.4	913.2	937.1
42°	911.4	889.8	870.8	855.5	845.7	843.2	848.3	860.5	879.2	902.0	926.9
42.5°	901.0	879.2	859.7	844.2	834.6	832.1	836.8	849.5	868.4	890.8	915.4
43°	890.3	867.7	848.8	832.9	822.9	821.0	825.9	838.4	857.2	880.3	904.9
43.5°	879.1	856.9	837.4	821.3	812.1	809.3	814.3	826.7	845.5	869.4	894.0



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	846.0	823.0	803.4	787.7	778.4	775.2	780.0	793.1	811.7	836.0	861.3
45.5°	835.0	812.2	792.7	776.3	767.0	764.1	769.2	782.0	800.7	824.8	850.1
46°	823.8	801.2	781.2	765.3	755.5	753.3	758.1	771.0	789.9	813.6	839.3
46.5°	812.6	789.9	770.1	754.0	744.4	741.9	746.7	759.9	778.9	802.5	827.9
47°	801.7	778.4	758.8	742.8	732.9	730.5	735.7	748.3	767.5	791.3	817.2
47.5°	790.2	767.4	747.8	731.6	721.9	719.7	724.5	737.2	756.2	780.2	805.9
48°	778.7	756.5	736.1	720.4	711.0	708.2	712.9	725.9	745.0	768.8	794.6
48.5°	767.6	745.1	725.3	709.5	700.1	697.2	702.3	714.8	733.8	757.7	783.1
49°	756.6	733.8	714.1	698.6	688.6	686.0	691.4	704.1	723.2	747.0	771.9
49.5°	745.9	722.6	703.3	687.6	677.6	675.5	680.3	693.0	711.6	735.6	761.2
50°	733.7	711.5	691.9	676.3	666.6	664.3	669.7	681.8	701.0	724.2	750.2
50.5°	723.1	700.3	680.3	665.1	656.1	653.6	658.0	670.5	689.7	713.0	738.8
51°	711.7	688.9	669.8	654.4	644.9	643.2	647.6	659.9	678.3	701.9	727.8
51.5°	700.2	677.9	659.0	643.7	634.1	632.1	637.0	649.4	667.7	691.0	716.3
52°	688.8	667.2	648.1	633.0	623.4	621.3	626.2	638.8	656.9	680.4	705.2
52.5°	677.7	656.1	637.2	622.1	613.1	611.2	615.4	627.9	646.2	669.2	694.0
53°	666.6	645.0	625.9	611.2	602.3	600.6	604.9	617.1	635.2	658.0	682.9
53.5°	655.5	634.0	615.0	600.6	591.6	589.7	594.7	606.2	624.5	647.1	672.3
54°	644.4	623.1	604.1	590.0	581.1	578.7	583.6	595.4	613.5	636.0	661.0
54.5°	633.2	611.8	593.4	579.3	570.6	568.8	573.6	584.9	602.8	625.0	649.5
55°	621.9	600.6	582.8	568.9	560.1	558.3	562.9	574.5	592.0	614.4	638.4
55.5°	611.1	589.9	572.1	558.3	550.2	548.3	552.9	564.0	581.3	603.4	627.0
56°	599.7	579.0	561.3	548.0	539.8	538.1	542.6	553.4	570.5	592.6	616.2
56.5°	588.5	567.9	551.0	537.7	529.2	527.6	532.4	543.3	560.2	581.7	605.0
57°	577.5	557.3	540.2	527.3	519.2	517.8	522.3	533.3	549.5	570.7	594.0
57.5°	566.1	546.7	530.0	516.9	509.0	507.5	511.7	522.6	539.1	559.8	582.8
58°	555.2	535.8	519.4	506.7	499.4	497.6	502.0	512.4	528.6	549.0	571.9
58.5°	544.0	525.4	509.1	496.6	489.2	487.9	492.1	502.3	518.4	538.5	561.2
59°	533.2	514.7	498.6	486.6	479.1	477.8	482.1	492.4	508.0	528.0	550.2
59.5°	522.3	503.9	488.6	476.4	469.1	467.9	472.7	482.4	497.9	517.3	539.2
60°	511.2	493.6	478.6	466.3	459.8	458.6	462.6	472.3	487.5	506.8	528.0
60.5°	500.5	483.0	468.2	456.5	449.9	448.6	452.7	462.4	477.5	496.2	516.9
61°	489.3	472.5	458.0	446.7	440.1	439.1	442.9	452.7	467.2	485.8	506.4
61.5°	478.6	462.1	448.1	437.3	431.2	429.6	433.7	443.0	457.4	475.3	495.3
62°	467.5	451.7	438.3	427.3	421.1	420.3	424.1	433.5	447.2	465.1	484.5
62.5°	457.1	441.5	428.1	417.6	411.5	411.0	414.6	423.7	437.4	454.8	473.8
63°	446.5	431.3	418.0	407.9	402.4	401.5	405.2	414.0	427.4	444.4	463.1
63.5°	435.9	420.9	408.1	398.4	393.2	392.3	396.0	404.5	417.6	434.3	452.7
64°	425.0	410.7	398.9	389.1	383.9	383.1	386.6	395.2	407.6	424.2	441.9
64.5°	414.5	400.7	389.0	379.6	374.5	374.0	377.5	385.7	398.0	413.8	431.4
65°	404.0	390.6	379.2	370.4	365.7	364.9	368.5	376.5	388.5	403.9	420.8
65.5°	393.5	380.7	370.0	361.3	356.5	355.9	359.5	367.2	379.1	393.8	410.3
66°	383.4	370.8	360.6	351.8	347.2	346.7	350.0	357.8	369.3	383.9	399.8



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	351.8	341.0	331.8	324.8	320.9	320.5	323.7	330.7	341.0	354.2	368.4
68°	341.6	331.4	322.6	315.8	312.3	312.0	315.1	321.8	331.6	344.5	358.5
68.5°	331.6	321.7	313.4	307.0	303.7	303.1	306.3	313.1	322.6	334.9	348.4
69°	321.5	312.0	304.3	298.3	295.0	294.9	297.7	304.2	313.4	325.2	338.4
69.5°	311.4	302.6	295.2	289.4	286.2	286.2	289.1	295.4	304.2	315.5	328.1
70°	301.6	293.2	286.3	280.6	277.9	278.1	280.7	286.6	295.1	305.9	317.9
70.5°	291.3	283.8	277.2	272.3	269.7	269.8	272.5	278.0	286.1	296.6	307.7
71°	281.5	274.4	268.5	263.9	261.4	261.5	264.1	269.5	277.3	287.1	298.1
71.5°	271.9	265.2	259.7	255.4	253.1	253.3	255.9	261.0	268.6	277.9	288.0
72°	262.1	256.1	251.0	247.0	245.0	245.5	247.8	252.7	259.8	268.7	278.4
72.5°	252.4	247.0	242.4	238.8	237.0	237.3	239.8	244.5	251.1	259.5	268.5
73°	243.0	238.1	233.8	230.6	228.9	229.3	231.6	236.2	242.3	250.4	259.3
73.5°	233.4	229.1	225.2	222.5	221.2	221.4	223.9	227.9	234.0	241.4	249.5
74°	223.9	220.2	217.1	214.6	213.3	214.1	216.0	220.0	225.6	232.6	239.9
74.5°	214.7	211.6	208.7	206.8	205.7	206.4	208.4	212.2	217.3	223.6	230.4
75°	205.6	203.1	200.7	198.9	198.1	198.8	200.7	204.2	209.0	214.9	221.4
75.5°	196.7	194.6	192.5	191.2	190.6	191.3	193.1	196.3	200.8	206.2	212.1
76°	187.5	186.2	184.8	183.5	183.0	183.9	185.6	188.8	192.9	197.7	203.1
76.5°	178.7	177.8	176.9	176.1	175.8	176.6	178.3	181.2	184.8	189.2	194.0
77°	170.1	169.6	169.4	168.8	168.6	169.5	171.1	173.7	177.1	180.8	185.2
77.5°	161.4	161.6	161.6	161.6	161.7	162.6	164.2	166.4	169.4	172.7	176.0
78°	153.0	154.0	154.2	154.5	155.0	155.8	157.1	159.3	162.0	164.7	167.6
78.5°	144.9	146.4	147.0	147.5	148.2	149.1	150.4	152.3	154.3	156.8	159.0
79°	136.8	138.7	139.9	140.8	141.5	142.5	143.7	145.4	147.1	149.0	150.8
79.5°	129.1	131.5	133.1	134.2	135.1	136.1	137.4	138.7	140.0	141.4	142.3
80°	121.6	124.7	126.7	128.0	129.2	129.9	130.9	132.0	133.3	134.0	134.4
80.5°	114.0	117.9	120.3	122.0	123.3	124.1	125.0	125.8	126.9	126.9	126.9
81°	106.4	111.1	114.0	116.0	117.4	118.3	119.1	119.9	120.5	120.1	119.5
81.5°	99.4	104.2	107.6	110.0	111.5	112.4	113.2	113.9	114.0	113.3	112.0
82°	92.8	97.7	101.3	104.0	105.6	106.6	107.4	107.9	107.6	106.4	104.5
82.5°	86.1	91.6	95.4	98.2	100.1	101.2	101.9	102.0	101.3	99.8	97.2
83°	79.5	85.4	89.7	92.7	94.7	95.9	96.4	96.4	95.4	93.4	90.5
83.5°	73.4	79.6	84.2	87.3	89.4	90.5	91.1	90.8	89.7	87.3	83.8
84°	67.5	74.0	78.8	82.2	84.3	85.6	86.0	85.6	84.1	81.3	77.4
84.5°	61.9	68.7	73.7	77.2	79.4	80.6	81.0	80.4	78.8	75.6	71.2
85°	56.6	63.6	68.7	72.3	74.7	75.9	76.2	75.5	73.5	70.2	65.4
85.5°	51.5	58.6	63.9	67.7	70.1	71.2	71.5	70.7	68.5	64.9	59.8
86°	46.7	53.9	59.4	63.3	65.7	66.9	67.2	66.2	63.7	59.9	54.5
86.5°	42.2	49.5	55.1	59.0	61.5	62.7	62.8	61.7	59.2	55.1	49.4
87°	38.0	45.4	51.0	55.0	57.6	58.8	58.8	57.5	54.9	50.6	44.7
87.5°	34.1	41.5	47.2	51.2	53.7	55.0	54.9	53.6	50.8	46.3	40.3
88°	30.6	37.9	43.6	47.6	50.2	51.3	51.3	49.9	46.9	42.4	36.2
88.5°	27.4	34.6	40.1	44.2	46.7	47.8	47.7	46.2	43.3	38.7	32.5



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	19.6	26.0	31.3	35.2	37.7	38.7	38.5	36.8	33.6	29.0	22.9
90.5°	17.6	23.7	28.8	32.6	35.1	36.0	35.7	34.1	31.0	26.4	20.4
91°	15.8	21.6	26.6	30.3	32.6	33.6	33.3	31.6	28.5	23.9	18.2
91.5°	14.3	19.8	24.5	28.1	30.4	31.3	30.9	29.3	26.2	21.8	16.3
92°	13.4	18.3	22.7	26.1	28.3	29.2	28.8	27.2	24.2	20.0	14.7
92.5°	12.5	16.9	21.1	24.3	26.5	27.2	26.9	25.2	22.3	18.3	13.6
93°	11.7	15.7	19.7	22.8	24.8	25.5	25.2	23.6	20.7	16.8	12.7
93.5°	10.8	14.7	18.5	21.4	23.3	24.0	23.6	22.1	19.3	15.6	11.7
94°	9.9	13.9	17.4	20.2	21.9	22.6	22.2	20.7	18.1	14.6	10.8
94.5°	9.5	13.2	16.5	19.1	20.8	21.4	21.0	19.5	17.0	13.7	9.8
95°	9.1	12.6	15.8	18.2	19.8	20.3	19.9	18.5	16.1	12.9	9.3
95.5°	8.8	12.1	15.1	17.4	18.9	19.4	19.0	17.6	15.3	12.3	8.9
96°	8.5	11.7	14.5	16.7	18.0	18.5	18.1	16.8	14.6	11.8	8.6
96.5°	8.2	11.4	13.9	16.0	17.3	17.8	17.4	16.1	14.0	11.4	8.3
97°	8.1	11.1	13.5	15.4	16.6	17.1	16.8	15.6	13.6	10.9	7.9
97.5°	7.9	10.7	13.1	14.9	16.1	16.5	16.2	15.1	13.2	10.5	7.6
98°	7.8	10.4	12.7	14.5	15.6	16.0	15.7	14.6	12.8	10.1	7.2
98.5°	7.7	10.1	12.3	14.0	15.1	15.5	15.2	14.2	12.3	9.7	7.0
99°	7.6	9.9	12.0	13.6	14.7	15.1	14.8	13.7	11.9	9.4	6.9
99.5°	7.5	9.8	11.7	13.3	14.3	14.6	14.3	13.3	11.6	9.0	6.8
100°	7.4	9.6	11.5	13.0	13.9	14.2	13.9	12.9	11.2	8.8	6.7
100.5°	7.3	9.5	11.3	12.7	13.6	13.9	13.5	12.5	10.9	8.7	6.6
101°	7.1	9.3	11.1	12.5	13.3	13.6	13.2	12.2	10.5	8.6	6.5
101.5°	7.0	9.2	10.9	12.2	13.0	13.3	12.9	11.8	10.2	8.4	6.4
102°	6.9	9.1	10.8	12.0	12.7	13.0	12.6	11.6	10.1	8.3	6.3
102.5°	6.8	9.0	10.6	11.8	12.5	12.7	12.3	11.4	10.0	8.2	6.2
103°	6.6	8.8	10.4	11.6	12.3	12.5	12.2	11.3	9.8	8.2	6.1
103.5°	6.5	8.7	10.3	11.4	12.1	12.4	12.0	11.2	9.7	8.1	5.9
104°	6.3	8.5	10.1	11.3	11.9	12.2	11.9	11.0	9.6	7.9	5.7
104.5°	6.2	8.4	10.0	11.1	11.8	12.0	11.7	10.9	9.5	7.8	5.6
105°	6.1	8.2	9.8	10.9	11.6	11.9	11.6	10.7	9.4	7.7	5.4
105.5°	5.9	8.0	9.6	10.7	11.4	11.7	11.4	10.6	9.3	7.5	5.2
106°	5.8	7.8	9.5	10.6	11.3	11.6	11.3	10.4	9.1	7.3	5.1
106.5°	5.7	7.7	9.3	10.4	11.1	11.4	11.1	10.3	9.0	7.1	4.9
107°	5.5	7.5	9.0	10.2	10.9	11.2	10.9	10.1	8.8	6.9	4.8
107.5°	5.4	7.4	8.8	10.0	10.7	11.0	10.7	9.9	8.6	6.7	4.7
108°	5.3	7.2	8.7	9.8	10.5	10.8	10.6	9.7	8.3	6.5	4.6
108.5°	5.1	7.1	8.5	9.6	10.3	10.6	10.4	9.5	8.1	6.3	4.5
109°	5.0	6.9	8.3	9.4	10.1	10.4	10.2	9.3	7.9	6.2	4.3
109.5°	4.8	6.8	8.2	9.2	9.8	10.2	9.9	9.0	7.7	6.0	4.2
110°	4.7	6.6	7.9	9.0	9.6	9.9	9.7	8.8	7.5	5.9	4.1
110.5°	4.6	6.4	7.8	8.8	9.4	9.7	9.4	8.6	7.3	5.7	4.0
111°	4.4	6.2	7.6	8.6	9.2	9.4	9.2	8.4	7.1	5.6	3.9



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	3.9	5.7	7.1	8.0	8.6	8.8	8.6	7.8	6.5	5.2	3.5
113°	3.8	5.6	7.0	7.8	8.4	8.6	8.4	7.6	6.4	5.1	3.4
113.5°	3.6	5.4	6.8	7.6	8.2	8.4	8.2	7.4	6.2	5.0	3.3
114°	3.5	5.2	6.6	7.5	8.0	8.2	8.0	7.2	6.0	4.8	3.2
114.5°	3.4	5.0	6.5	7.3	7.8	8.0	7.8	7.0	5.9	4.7	3.1
115°	3.3	4.8	6.3	7.2	7.6	7.8	7.6	6.9	5.7	4.5	3.0
115.5°	3.2	4.7	6.1	7.0	7.5	7.6	7.4	6.7	5.6	4.4	2.9
116°	3.2	4.5	5.9	6.8	7.3	7.4	7.2	6.5	5.4	4.2	2.8
116.5°	3.1	4.3	5.7	6.7	7.2	7.2	7.0	6.3	5.3	4.1	2.8
117°	3.1	4.2	5.5	6.5	7.0	7.0	6.8	6.1	5.1	3.9	2.7
117.5°	3.0	4.0	5.3	6.3	6.8	6.9	6.7	5.9	4.9	3.8	2.7
118°	3.0	3.9	5.1	6.1	6.6	6.7	6.5	5.8	4.7	3.7	2.6
118.5°	2.9	3.8	4.9	5.9	6.4	6.6	6.3	5.6	4.5	3.6	2.6
119°	2.8	3.7	4.7	5.7	6.3	6.4	6.1	5.4	4.4	3.5	2.4
119.5°	2.7	3.6	4.5	5.5	6.1	6.2	5.9	5.2	4.2	3.3	2.3
120°	2.6	3.5	4.4	5.3	5.9	6.0	5.7	5.0	4.0	3.2	2.2
120.5°	2.5	3.4	4.2	5.1	5.6	5.8	5.5	4.8	3.9	3.2	2.2
121°	2.4	3.3	4.1	4.9	5.4	5.6	5.3	4.6	3.8	3.1	2.1
121.5°	2.3	3.2	4.0	4.7	5.2	5.3	5.1	4.5	3.7	3.0	2.1
122°	2.4	3.2	3.8	4.5	5.0	5.1	4.9	4.3	3.5	2.9	2.1
122.5°	2.4	3.2	3.7	4.4	4.8	4.9	4.7	4.2	3.4	2.8	2.1
123°	2.4	3.1	3.6	4.2	4.6	4.8	4.6	4.0	3.3	2.7	2.2
123.5°	2.5	2.9	3.6	4.1	4.5	4.6	4.4	3.9	3.2	2.5	2.2
124°	2.5	2.8	3.5	4.0	4.3	4.4	4.3	3.8	3.2	2.4	2.3
124.5°	2.6	2.7	3.3	3.9	4.2	4.3	4.1	3.7	3.1	2.3	2.3
125°	2.6	2.5	3.3	3.8	4.1	4.1	4.0	3.6	3.0	2.2	2.3
125.5°	2.7	2.4	3.2	3.7	4.0	4.0	3.9	3.5	2.9	2.1	2.4
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	3.0	3.5	3.7	3.8	3.7	3.4	2.7	2.0	2.4
127°	2.8	2.4	2.8	3.4	3.7	3.7	3.6	3.3	2.5	2.0	2.5
127.5°	2.9	2.4	2.7	3.3	3.6	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	3.5	3.1	2.3	2.1	2.5
128.5°	3.0	2.5	2.4	3.1	3.4	3.4	3.4	2.9	2.2	2.1	2.5
129°	3.0	2.5	2.3	2.9	3.3	3.4	3.3	2.7	2.1	2.1	2.5
129.5°	3.1	2.6	2.3	2.8	3.2	3.3	3.1	2.6	2.1	2.2	2.5
130°	3.1	2.6	2.3	2.7	3.0	3.1	3.0	2.5	2.1	2.2	2.5
130.5°	3.1	2.6	2.4	2.5	2.9	2.9	2.8	2.4	2.1	2.3	2.5
131°	3.1	2.7	2.4	2.4	2.7	2.8	2.7	2.3	2.2	2.3	2.5
131.5°	3.2	2.7	2.4	2.3	2.6	2.7	2.5	2.2	2.2	2.3	2.6
132°	3.2	2.8	2.5	2.3	2.4	2.5	2.4	2.2	2.3	2.4	2.6
132.5°	3.3	2.8	2.5	2.3	2.3	2.4	2.3	2.2	2.3	2.4	2.7
133°	3.3	2.9	2.6	2.4	2.3	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	2.4	2.6	2.8



TEST NUMBER: P563553

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

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	2.3	2.4	2.4	2.5	2.7	3.1
135.5°	3.6	3.1	2.7	2.5	2.4	2.4	2.4	2.4	2.5	2.8	3.1
136°	3.7	3.1	2.8	2.6	2.5	2.4	2.5	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	2.9	3.2
137°	3.7	3.3	2.9	2.7	2.5	2.5	2.5	2.6	2.7	2.9	3.2
137.5°	3.7	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.7	3.0	3.1
138°	3.7	3.4	3.0	2.7	2.6	2.5	2.6	2.6	2.8	3.0	3.0
138.5°	3.6	3.4	3.0	2.8	2.6	2.6	2.6	2.7	2.9	3.1	3.0
139°	3.6	3.5	3.1	2.8	2.7	2.6	2.7	2.7	2.9	3.2	2.9
139.5°	3.6	3.5	3.1	2.8	2.7	2.6	2.7	2.8	3.0	3.3	2.9
140°	3.6	3.6	3.2	2.9	2.8	2.7	2.8	2.8	3.0	3.3	2.9
140.5°	3.5	3.6	3.3	2.9	2.8	2.7	2.8	2.9	3.1	3.3	2.9
141°	3.5	3.7	3.4	3.0	2.8	2.8	2.8	2.9	3.2	3.3	2.9
141.5°	3.5	3.7	3.5	3.0	2.9	2.8	2.9	3.0	3.3	3.3	2.9
142°	3.5	3.7	3.5	3.1	2.9	2.9	2.9	3.0	3.4	3.3	2.9
142.5°	3.5	3.6	3.5	3.2	3.0	2.9	3.0	3.1	3.4	3.2	2.9
143°	3.6	3.5	3.5	3.3	3.0	3.0	3.0	3.3	3.4	3.2	2.9
143.5°	3.6	3.5	3.6	3.4	3.1	3.1	3.1	3.4	3.4	3.1	2.9
144°	3.6	3.5	3.6	3.5	3.2	3.2	3.3	3.5	3.5	3.1	2.9
144.5°	3.5	3.4	3.7	3.5	3.4	3.3	3.4	3.5	3.5	3.1	2.9
145°	3.5	3.4	3.6	3.6	3.4	3.4	3.5	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	3.6	3.2	3.1	2.9
146.5°	3.5	3.4	3.4	3.6	3.6	3.6	3.6	3.6	3.2	3.1	2.9
147°	3.6	3.4	3.4	3.6	3.6	3.6	3.6	3.5	3.2	3.1	2.9
147.5°	3.5	3.5	3.4	3.5	3.6	3.7	3.6	3.4	3.2	3.1	2.9
148°	3.5	3.4	3.4	3.4	3.5	3.6	3.6	3.3	3.2	3.1	2.9
148.5°	3.6	3.4	3.4	3.4	3.4	3.5	3.5	3.3	3.2	3.0	2.9
149°	3.6	3.4	3.4	3.4	3.4	3.5	3.4	3.3	3.2	3.0	2.9
149.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.0	2.9
150°	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.0	2.9
150.5°	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.0	2.9
151°	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	2.9	2.9
151.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	2.9	2.9
152°	3.7	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.1	2.9	2.9
152.5°	3.7	3.4	3.3	3.4	3.4	3.4	3.4	3.3	3.1	2.9	2.9
153°	3.7	3.4	3.3	3.4	3.4	3.4	3.4	3.3	3.1	2.9	2.9
153.5°	3.7	3.4	3.3	3.3	3.4	3.4	3.4	3.3	3.1	3.0	2.9
154°	3.7	3.4	3.3	3.3	3.3	3.4	3.3	3.3	3.1	3.0	2.9
154.5°	3.8	3.4	3.3	3.3	3.3	3.4	3.3	3.3	3.1	3.0	3.0
155°	3.8	3.5	3.3	3.3	3.3	3.4	3.3	3.2	3.1	3.0	3.0
155.5°	3.7	3.6	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0	3.0
156°	3.6	3.6	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563553
CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-4000K

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: P563553

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1444.8	1444.8	1444.8	1444.8
0.5°	1444.5	1444.5	1444.5	1444.5
1°	1444.2	1444.3	1444.2	1444.3
1.5°	1443.9	1444.0	1444.1	1444.3
2°	1442.7	1443.4	1443.9	1444.1
2.5°	1441.5	1441.8	1443.0	1443.5
3°	1440.4	1441.3	1442.4	1442.5
3.5°	1439.8	1441.1	1441.4	1441.6
4°	1438.8	1440.3	1440.3	1441.0
4.5°	1436.7	1438.4	1438.8	1439.4
5°	1435.6	1436.6	1437.9	1438.5
5.5°	1434.6	1435.1	1436.5	1437.5
6°	1432.2	1434.1	1434.9	1436.4
6.5°	1430.1	1431.3	1433.2	1434.8
7°	1429.0	1429.4	1432.1	1433.4
7.5°	1426.3	1428.0	1428.9	1431.4
8°	1423.5	1425.5	1427.8	1429.9
8.5°	1420.6	1422.8	1425.7	1427.2
9°	1418.3	1420.3	1423.1	1425.7
9.5°	1415.5	1417.7	1420.4	1423.1
10°	1412.1	1414.4	1418.0	1420.2
10.5°	1409.2	1412.2	1414.6	1417.6
11°	1405.9	1409.7	1412.7	1414.6
11.5°	1402.5	1406.2	1409.9	1411.5
12°	1399.2	1402.9	1407.0	1408.6
12.5°	1395.2	1399.3	1403.4	1405.9
13°	1391.2	1395.5	1400.0	1402.5
13.5°	1387.3	1391.7	1396.7	1398.8
14°	1383.2	1388.0	1392.6	1395.3
14.5°	1378.8	1384.6	1388.7	1391.8
15°	1374.4	1380.1	1384.7	1387.7
15.5°	1369.6	1375.4	1380.6	1384.1
16°	1364.8	1371.1	1376.9	1379.6
16.5°	1359.9	1366.3	1372.8	1374.6
17°	1355.2	1361.6	1367.9	1370.1
17.5°	1350.1	1356.9	1362.6	1366.2
18°	1345.1	1352.2	1357.9	1362.0
18.5°	1339.9	1347.3	1353.2	1356.7
19°	1334.2	1342.0	1348.2	1351.7
19.5°	1327.8	1336.6	1343.0	1346.6
20°	1322.1	1331.0	1337.5	1341.6
20.5°	1316.6	1325.0	1332.2	1336.4
21°	1311.0	1319.0	1326.3	1331.3



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1291.3	1301.0	1309.3	1313.6
23°	1284.6	1294.8	1302.9	1308.4
23.5°	1277.9	1288.1	1296.4	1301.8
24°	1271.1	1281.7	1290.2	1295.5
24.5°	1263.9	1275.0	1283.9	1289.6
25°	1257.0	1267.9	1277.4	1283.2
25.5°	1249.2	1261.3	1270.3	1276.3
26°	1242.5	1254.1	1263.6	1269.6
26.5°	1234.9	1246.8	1256.6	1262.6
27°	1227.3	1239.6	1249.2	1255.6
27.5°	1219.2	1232.7	1242.0	1248.7
28°	1211.5	1224.5	1234.9	1241.2
28.5°	1203.4	1216.9	1227.3	1233.8
29°	1194.8	1208.9	1219.8	1227.1
29.5°	1187.3	1200.8	1211.9	1219.5
30°	1179.0	1193.2	1204.1	1211.5
30.5°	1170.2	1184.7	1196.3	1203.9
31°	1161.3	1176.8	1188.3	1196.2
31.5°	1153.1	1167.8	1179.9	1188.0
32°	1144.0	1159.4	1171.4	1179.3
32.5°	1135.3	1150.8	1163.1	1171.0
33°	1126.6	1142.5	1154.5	1162.9
33.5°	1117.9	1134.2	1145.8	1154.3
34°	1108.2	1125.0	1137.2	1145.4
34.5°	1099.3	1115.6	1128.0	1136.3
35°	1090.1	1106.9	1119.4	1127.9
35.5°	1080.4	1097.5	1110.4	1119.2
36°	1070.9	1088.4	1101.1	1110.1
36.5°	1061.4	1078.8	1092.7	1100.7
37°	1051.8	1069.3	1083.5	1091.6
37.5°	1042.3	1059.8	1074.4	1082.7
38°	1032.4	1050.3	1064.2	1073.9
38.5°	1021.6	1040.7	1054.2	1063.9
39°	1011.2	1030.7	1044.1	1053.5
39.5°	1001.2	1020.6	1034.2	1043.4
40°	991.1	1010.6	1024.8	1033.5
40.5°	981.1	1000.7	1015.2	1024.2
41°	970.4	990.3	1004.8	1014.3
41.5°	960.2	979.7	994.9	1003.9
42°	949.3	969.4	984.6	994.1
42.5°	938.7	959.2	974.1	984.2
43°	928.1	948.5	963.6	973.7
43.5°	917.5	937.8	953.5	962.8



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	884.9	906.3	921.7	931.2
45.5°	874.3	895.4	910.7	920.9
46°	863.2	884.6	899.9	909.8
46.5°	852.3	873.7	888.9	898.5
47°	841.7	862.8	878.3	887.5
47.5°	830.3	852.0	867.3	876.9
48°	819.5	840.4	856.0	866.3
48.5°	808.0	829.6	845.2	854.9
49°	797.0	818.6	834.2	844.3
49.5°	786.0	807.2	822.9	833.0
50°	774.5	795.9	811.5	821.8
50.5°	763.4	784.9	800.2	810.2
51°	752.7	773.3	789.2	799.2
51.5°	741.4	762.5	778.2	787.7
52°	729.8	751.0	766.3	776.7
52.5°	718.6	739.5	755.2	765.0
53°	707.2	728.3	743.5	753.6
53.5°	696.2	716.8	732.3	742.2
54°	685.0	705.4	720.8	730.8
54.5°	673.9	694.1	709.3	719.1
55°	662.8	682.8	697.9	707.3
55.5°	650.7	671.6	686.2	696.1
56°	639.5	659.5	674.5	684.2
56.5°	628.5	648.5	663.3	672.7
57°	617.4	637.0	651.7	661.5
57.5°	605.8	625.6	640.3	649.5
58°	594.6	613.6	628.2	637.7
58.5°	583.2	602.3	616.7	626.3
59°	572.5	590.8	605.1	614.4
59.5°	560.8	579.3	593.7	602.8
60°	549.6	567.7	582.1	590.8
60.5°	538.1	556.5	570.3	579.2
61°	527.3	545.1	558.5	567.5
61.5°	515.9	533.5	546.8	555.9
62°	504.7	522.1	535.2	544.1
62.5°	493.6	510.9	523.5	532.4
63°	482.8	499.3	511.8	520.6
63.5°	471.5	487.8	500.3	509.0
64°	460.1	476.5	488.6	497.1
64.5°	449.2	465.0	477.3	485.1
65°	438.5	453.5	465.6	473.2
65.5°	427.2	442.3	453.8	461.1
66°	416.7	431.3	442.2	449.1



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	383.9	397.4	407.8	414.2
68°	372.9	385.8	396.0	402.7
68.5°	362.1	374.8	384.3	390.9
69°	351.7	363.4	373.1	379.2
69.5°	341.0	352.3	361.5	367.7
70°	330.2	341.3	350.2	356.0
70.5°	319.6	330.3	338.7	344.4
71°	309.1	319.2	327.5	333.0
71.5°	298.6	308.2	316.0	321.5
72°	288.2	297.3	304.7	310.2
72.5°	277.7	286.6	293.2	298.8
73°	267.5	275.6	282.3	287.2
73.5°	257.6	265.1	271.2	275.6
74°	247.4	254.2	260.2	264.6
74.5°	237.2	243.6	249.1	253.4
75°	227.2	232.8	238.0	242.3
75.5°	217.4	222.6	227.0	231.0
76°	207.9	212.1	216.7	220.0
76.5°	198.1	202.1	205.7	209.2
77°	188.6	191.7	195.3	198.5
77.5°	179.0	181.9	184.7	187.5
78°	169.9	171.7	174.4	177.2
78.5°	160.8	162.2	163.9	166.5
79°	151.8	152.6	153.9	156.1
79.5°	143.0	143.3	144.3	145.9
80°	134.8	134.4	134.9	136.3
80.5°	126.5	125.5	125.6	126.3
81°	118.3	116.7	116.2	116.6
81.5°	110.1	107.8	106.8	107.1
82°	101.9	98.9	97.5	97.9
82.5°	94.2	90.8	88.7	88.4
83°	86.5	82.8	80.4	80.0
83.5°	79.3	74.9	72.0	71.6
84°	72.3	67.3	64.1	63.6
84.5°	65.8	60.3	56.5	55.7
85°	59.4	53.5	49.4	48.4
85.5°	53.5	47.0	42.5	42.1
86°	47.9	41.0	36.1	35.8
86.5°	42.6	35.4	30.1	29.5
87°	37.5	30.1	24.6	23.2
87.5°	33.0	25.4	20.8	17.8
88°	28.9	21.2	16.9	12.9
88.5°	25.1	18.4	13.0	8.7



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	16.0	10.0	3.7	2.8
90.5°	14.5	7.4	2.5	1.5
91°	12.9	6.0	1.8	0.3
91.5°	11.3	5.0	1.5	0.2
92°	9.8	4.4	1.3	0.2
92.5°	8.2	3.9	1.1	0.1
93°	7.5	3.6	1.0	0.1
93.5°	6.9	3.4	1.0	0.2
94°	6.5	3.1	0.9	0.2
94.5°	6.2	2.9	0.9	0.3
95°	5.9	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°	5.0	2.8	0.9	0.5
97°	4.8	2.7	0.8	0.5
97.5°	4.8	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	2.3	0.9	0.8
100°	4.6	2.2	0.9	0.9
100.5°	4.4	2.2	1.0	1.0
101°	4.3	2.2	1.1	1.1
101.5°	4.1	2.2	1.1	1.2
102°	4.0	2.2	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	1.4	1.5
104°	3.5	1.9	1.4	1.5
104.5°	3.4	1.8	1.4	1.5
105°	3.4	1.7	1.5	1.5
105.5°	3.3	1.7	1.5	1.5
106°	3.2	1.7	1.7	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°	2.7	1.5	1.9	1.5
109°	2.6	1.5	1.8	1.5
109.5°	2.4	1.5	1.8	1.5
110°	2.3	1.5	1.8	1.6
110.5°	2.3	1.5	1.8	1.6
111°	2.2	1.5	1.8	1.6



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	2.1	1.6	1.8	1.6
113°	2.1	1.7	1.8	1.6
113.5°	2.0	1.7	1.9	1.6
114°	1.9	1.8	1.9	1.7
114.5°	1.8	1.8	1.9	1.7
115°	1.8	1.8	1.9	1.7
115.5°	1.8	1.9	1.9	1.7
116°	1.8	1.9	1.9	1.7
116.5°	1.8	2.0	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	2.0	1.8
119.5°	2.1	2.4	2.0	1.8
120°	2.1	2.4	2.0	1.8
120.5°	2.1	2.4	2.1	1.8
121°	2.2	2.4	2.1	1.8
121.5°	2.2	2.4	2.1	1.8
122°	2.2	2.4	2.1	1.9
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	2.2	2.1	1.9
124.5°	2.4	2.2	2.2	1.9
125°	2.4	2.2	2.2	2.0
125.5°	2.6	2.3	2.2	2.0
126°	2.7	2.5	2.2	2.0
126.5°	2.8	2.5	2.3	2.0
127°	2.9	2.6	2.3	2.0
127.5°	3.0	2.6	2.3	2.1
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°	3.0	2.6	2.4	2.1
130°	3.0	2.6	2.4	2.1
130.5°	3.0	2.6	2.3	2.1
131°	2.9	2.6	2.2	2.2
131.5°	2.8	2.6	2.2	2.2
132°	2.8	2.6	2.2	2.2
132.5°	2.7	2.6	2.3	2.2
133°	2.7	2.6	2.4	2.2
133.5°	2.7	2.5	2.5	2.2



TEST NUMBER: P563553

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	2.7	2.5	2.3	2.3
135.5°	2.7	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°	2.8	2.5	2.3	2.2
138.5°	2.8	2.6	2.3	2.2
139°	2.8	2.6	2.3	2.3
139.5°	2.8	2.6	2.3	2.3
140°	2.8	2.6	2.4	2.3
140.5°	2.8	2.7	2.4	2.3
141°	2.8	2.7	2.4	2.3
141.5°	2.8	2.7	2.4	2.3
142°	2.8	2.7	2.4	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	2.7	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	2.8	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°	2.8	2.8	2.4	2.3
147°	2.8	2.8	2.4	2.3
147.5°	2.8	2.8	2.4	2.3
148°	2.9	2.8	2.4	2.3
148.5°	2.9	2.9	2.4	2.3
149°	2.9	2.9	2.4	2.2
149.5°	2.9	2.9	2.4	2.2
150°	2.9	2.9	2.4	2.2
150.5°	2.9	2.9	2.3	2.2
151°	2.9	2.9	2.3	2.1
151.5°	3.0	2.9	2.3	2.0
152°	3.0	2.8	2.3	2.0
152.5°	3.0	2.8	2.3	2.0
153°	3.0	2.8	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	2.7	2.0	1.7
155°	3.0	2.6	2.0	1.7
155.5°	3.0	2.5	1.9	1.7
156°	3.0	2.4	1.8	1.6



TEST NUMBER: P563553

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

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	2.3	1.7	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°	3.2	2.3	1.6	1.5
162°	3.2	2.3	1.6	1.6
162.5°	3.1	2.2	1.6	1.6
163°	3.1	2.1	1.6	1.6
163.5°	3.2	2.0	1.5	1.6
164°	3.2	2.0	1.5	1.6
164.5°	2.8	2.0	1.5	1.6
165°	2.7	1.9	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	1.6
167°	2.4	1.7	1.6	1.6
167.5°	2.8	1.9	1.6	1.6
168°	3.0	2.1	1.6	1.6
168.5°	2.7	2.1	1.7	1.7
169°	2.7	2.2	1.8	1.7
169.5°	2.8	2.3	1.8	1.7
170°	2.7	2.3	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	2.4	2.3
172°	2.9	2.6	2.5	2.3
172.5°	2.9	2.7	2.5	2.4
173°	2.8	2.7	2.5	2.4
173.5°	2.8	2.7	2.6	2.4
174°	2.8	2.7	2.6	2.5
174.5°	2.8	2.7	2.7	2.6
175°	2.8	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: P563553

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

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°	1325.8	1328.9	1328.6	1326.2	1321.3	1315.6	1309.5	1304.3	1300.0	1297.9	1297.0
22°	1319.5	1322.9	1322.9	1320.0	1315.3	1309.3	1302.5	1297.3	1293.4	1290.5	1289.8



44°	952.4	955.9	951.4	941.3	925.0	905.0	884.6	867.1	854.2	847.9	848.7
44.5°	941.9	944.8	941.1	930.4	914.1	893.7	873.6	855.9	843.0	836.8	836.8



66.5°	437.4	441.5	440.4	434.3	424.3	410.6	397.9	386.7	378.6	373.9	372.6
67°	425.7	429.5	429.1	423.4	413.5	400.6	388.5	377.4	369.3	364.9	364.0



89°	5.4	10.5	20.1	31.0	41.3	48.4	54.1	57.5	58.7	58.2	56.1
89.5°	4.0	7.4	16.5	27.0	37.2	44.8	50.5	53.4	54.8	54.4	52.2



111.5°	1.6	1.6	1.3	1.2	1.6	2.4	3.5	4.5	5.2	5.4	5.2
112°	1.6	1.6	1.3	1.2	1.5	2.3	3.3	4.3	5.0	5.2	5.0



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



156.5°	1.5	2.4	2.8	2.7	2.7	2.7	2.9	3.2	3.3	3.5	3.5
157°	1.5	2.3	2.8	2.7	2.7	2.7	2.8	3.1	3.3	3.4	3.4



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





21.5°	1298.3	1301.6	1304.7	1308.6	1312.2	1313.8	1313.9	1312.2	1308.2	1302.0	1294.2
22°	1291.1	1294.2	1298.1	1302.4	1306.3	1307.6	1307.9	1306.3	1301.8	1295.5	1287.5



44°	854.9	867.6	884.1	899.5	913.3	923.2	927.1	925.5	918.8	906.4	888.3
44.5°	843.9	856.9	872.9	888.1	902.3	912.3	915.7	915.0	908.3	895.4	877.1



66.5°	375.3	381.1	388.9	396.8	403.8	408.4	407.4	406.6	401.6	394.5	384.1
67°	366.4	371.6	379.0	386.3	392.6	396.3	396.1	395.0	390.2	383.2	373.3



89°	52.4	47.0	40.4	30.8	20.7	11.0	4.5	0.7	3.7	10.2	16.8
89.5°	48.9	43.7	36.6	27.4	17.7	8.9	3.5	0.6	2.7	7.7	15.2



111.5°	4.6	3.6	2.6	2.0	2.0	2.4	3.0	2.7	3.1	2.3	2.7
112°	4.4	3.5	2.5	2.0	2.0	2.5	3.0	2.7	3.2	2.4	2.7



134°	2.9	3.3	3.8	4.6	4.7	3.7	3.3	3.0	3.8	4.0	3.7
134.5°	3.0	3.3	3.9	4.7	4.7	3.7	3.3	3.1	3.8	4.0	3.7



156.5°	3.4	3.2	3.1	3.2	3.2	3.0	2.9	2.5	2.7	3.0	3.4
157°	3.3	3.2	3.1	3.2	3.2	3.0	2.8	2.5	2.7	3.0	3.4



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





21.5°	1285.8	1276.7	1269.3	1263.1	1260.1	1259.3	1261.1	1266.6	1274.5	1284.6	1294.8
22°	1279.0	1269.2	1261.2	1255.8	1252.5	1251.0	1253.5	1258.4	1266.8	1277.0	1287.8



44°	868.0	845.7	825.9	810.1	800.4	797.9	802.9	815.4	834.6	857.6	883.4
44.5°	857.3	834.2	814.6	798.9	788.9	786.3	791.5	804.4	823.4	846.8	871.9



66.5°	372.6	360.7	350.5	342.8	338.3	337.9	341.3	348.8	359.7	373.9	389.5
67°	362.1	350.8	341.2	334.0	329.8	329.4	332.3	339.9	350.4	363.9	379.2



89°	24.5	31.4	37.0	41.0	43.5	44.6	44.4	42.8	39.8	35.1	29.0
89.5°	21.9	28.6	34.0	38.0	40.5	41.6	41.3	39.7	36.6	31.9	25.8



111.5°	4.3	6.1	7.5	8.4	9.0	9.2	9.0	8.2	6.9	5.5	3.7
112°	4.1	5.9	7.3	8.2	8.8	9.0	8.8	8.0	6.7	5.3	3.6



134°	3.5	3.0	2.6	2.4	2.3	2.3	2.3	2.3	2.4	2.6	2.9
134.5°	3.5	3.0	2.7	2.5	2.3	2.3	2.3	2.4	2.5	2.7	3.0



156.5°	3.7	3.6	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1
157°	3.8	3.6	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1



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





21.5°	1304.5	1313.5	1320.5	1325.8
22°	1297.6	1307.9	1315.3	1319.5



44°	906.8	927.7	942.5	952.4
44.5°	896.6	916.7	932.2	941.9



66.5°	405.5	419.9	430.7	437.4
67°	394.5	408.6	419.4	425.7



89°	21.7	15.6	9.1	5.4
89.5°	18.7	12.8	5.4	4.0



111.5°	2.2	1.6	1.8	1.6
112°	2.1	1.6	1.8	1.6



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



(END OF REPORT)