

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: P563552

Luminaire Tested: **4NWS3C3MS-NUV-LOW-3500K**

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563552
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-3500K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING
Light Source: -
Ballast/Driver:

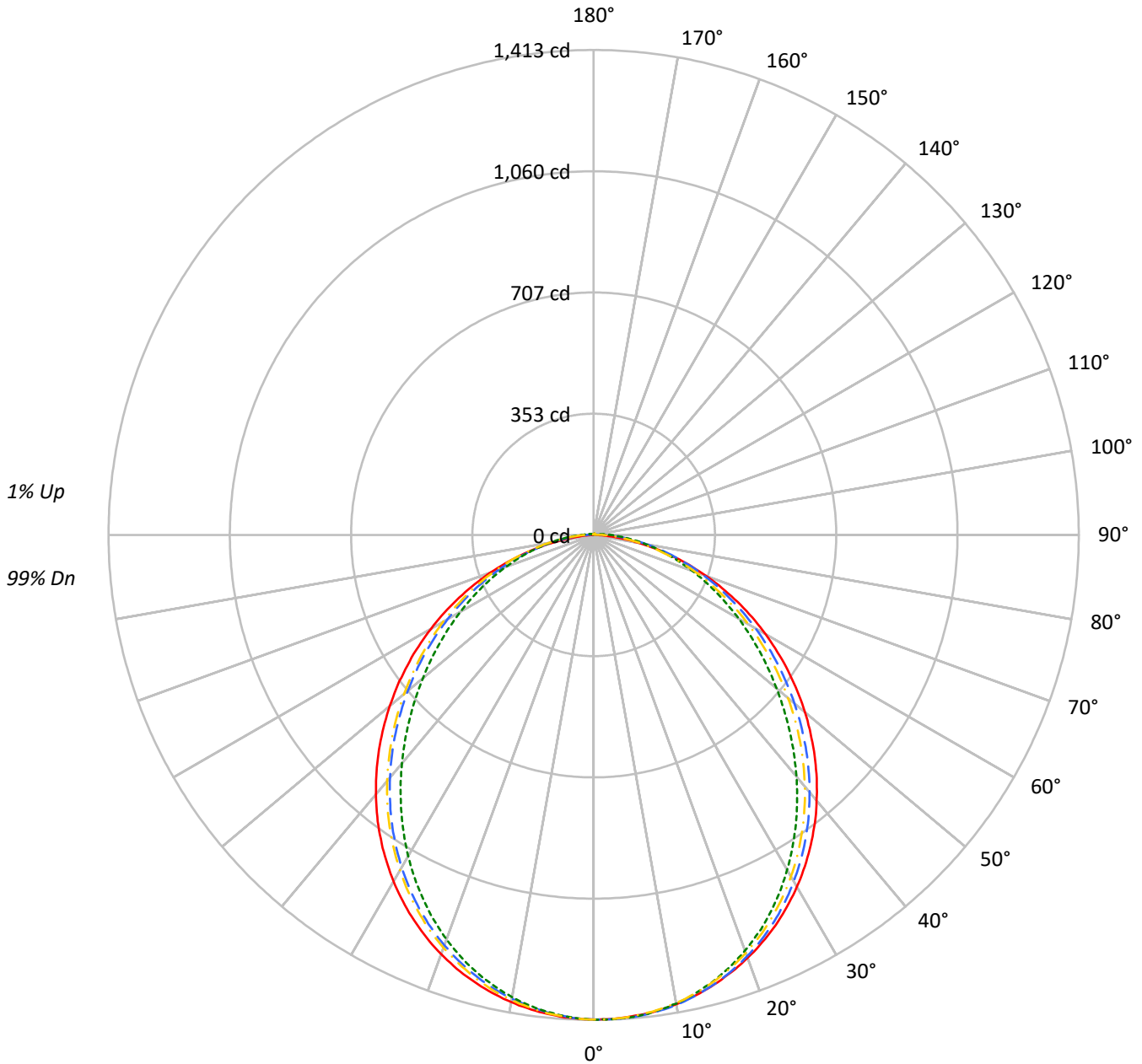
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3682.0 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.17 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 28.7
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	89	87	85				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	73	67	63	70	65	61				59																
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53				51																
5	77	64	55	48	74	63	54	48	60	53	48	58	52	47	56	51	46				44																
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41				39																
7	66	52	44	38	64	52	43	37	50	43	37	48	42	37	47	41	36				35																
8	61	48	39	34	60	47	39	34	46	38	33	44	38	33	43	37	33				31																
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30				28																
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27				25																

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8584	8584	8584	8584
5°	8563	8455	8548	8392
10°	8537	8286	8500	8172
15°	8488	8068	8431	7902
20°	8419	7803	8344	7592
25°	8332	7496	8227	7233
30°	8213	7137	8083	6842
35°	8063	6736	7907	6410
40°	7879	6300	7695	5955
45°	7665	5840	7445	5485
50°	7412	5374	7152	5019
55°	7115	4928	6813	4562
60°	6777	4482	6421	4114
65°	6369	4029	5950	3658
70°	5849	3575	5347	3188
75°	5162	3103	4534	2685
80°	4172	2596	3395	2155
85°	2666	2073	1714	1647



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	3.6
10°-20°	378.3	10.3
20°-30°	561.8	15.3
30°-40°	654.9	17.8
40°-50°	648.3	17.6
50°-60°	556.8	15.1
60°-70°	407.5	11.1
70°-80°	231.3	6.3
80°-90°	77.1	2.1
90°-100°	14.0	0.4
100°-110°	5.9	0.2
110°-120°	3.5	0.1
120°-130°	2.5	0.1
130°-140°	2.2	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°	1073.4	29.2
0°-40°	1728.3	46.9
0°-60°	2933.5	79.7
0°-90°	3649.4	99.1
90°-120°	23.4	0.6
90°-150°	30.1	0.8
90°-180°	33.0	0.9
0°-180°	3682.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1412	1412	1412	1412	1412	
5°	1406	1408	1404	1398	1406	134
15°	1356	1346	1347	1319	1356	383
25°	1254	1215	1239	1173	1254	578
35°	1102	1027	1081	977	1102	689
45°	910	807	884	758	910	702
55°	691	590	662	546	691	618
65°	462	393	432	357	462	458
75°	237	225	208	194	237	251
85°	47	93	30	74	47	56
90°	3	49	0	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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2
0.5°	1411.9	1411.9	1412.0	1412.2	1412.3	1412.4	1412.5	1412.5	1412.6	1412.6	1412.6
1°	1411.7	1411.9	1412.1	1412.4	1412.6	1412.7	1412.7	1412.7	1412.2	1411.8	1412.1
1.5°	1411.7	1412.3	1412.4	1411.9	1411.7	1411.8	1412.4	1412.7	1412.2	1412.9	1413.0
2°	1411.5	1411.9	1411.9	1411.9	1412.2	1412.6	1412.9	1412.9	1412.2	1412.2	1412.5
2.5°	1411.0	1411.3	1411.4	1411.5	1411.5	1411.1	1411.3	1411.1	1412.6	1411.7	1411.1
3°	1410.0	1410.3	1410.9	1411.2	1411.5	1411.6	1411.9	1412.1	1411.7	1411.5	1411.6
3.5°	1409.0	1409.7	1410.3	1411.4	1410.9	1411.3	1411.3	1410.9	1411.3	1410.4	1410.0
4°	1408.4	1409.7	1409.3	1410.6	1410.3	1410.5	1410.4	1410.2	1409.5	1411.0	1409.7
4.5°	1406.9	1408.0	1408.5	1409.3	1410.0	1409.9	1409.3	1410.0	1409.4	1409.5	1408.2
5°	1406.0	1407.1	1407.5	1408.1	1408.9	1408.8	1407.6	1408.1	1408.5	1408.4	1407.2
5.5°	1405.1	1406.2	1406.7	1406.9	1407.4	1407.0	1406.5	1406.5	1407.1	1406.8	1405.5
6°	1404.0	1404.9	1405.2	1405.9	1406.6	1405.9	1405.6	1405.2	1405.3	1404.9	1403.5
6.5°	1402.5	1403.6	1403.9	1404.3	1405.1	1404.5	1404.6	1403.7	1403.7	1403.6	1402.0
7°	1401.1	1401.7	1402.9	1402.6	1402.6	1401.8	1403.0	1401.7	1401.5	1401.5	1400.3
7.5°	1399.1	1399.8	1400.9	1401.6	1401.5	1400.8	1400.4	1399.9	1399.3	1398.3	1398.3
8°	1397.7	1397.7	1399.3	1399.5	1399.4	1398.9	1398.3	1397.9	1397.4	1396.7	1396.3
8.5°	1395.0	1395.3	1397.4	1397.1	1397.4	1397.0	1396.2	1395.6	1394.7	1394.2	1393.2
9°	1393.5	1394.8	1394.9	1395.4	1395.5	1394.9	1393.4	1393.2	1392.1	1392.5	1390.5
9.5°	1391.0	1392.2	1393.2	1392.9	1393.2	1391.9	1390.3	1390.3	1389.6	1388.3	1387.8
10°	1388.2	1389.8	1390.6	1390.7	1390.4	1389.5	1387.9	1386.9	1386.5	1386.8	1385.4
10.5°	1385.6	1386.9	1388.2	1388.3	1387.7	1386.7	1384.8	1383.9	1383.3	1383.1	1382.0
11°	1382.7	1383.6	1385.2	1385.3	1384.8	1384.2	1381.4	1381.0	1380.7	1379.8	1378.7
11.5°	1379.7	1381.6	1382.3	1382.6	1381.4	1381.0	1378.3	1378.0	1377.0	1376.4	1375.2
12°	1376.8	1378.5	1379.8	1379.9	1378.5	1377.5	1375.5	1374.4	1372.4	1372.8	1370.8
12.5°	1374.1	1375.4	1376.7	1376.8	1374.9	1374.2	1372.1	1370.6	1369.0	1368.6	1367.5
13°	1370.9	1372.7	1373.6	1373.1	1371.1	1370.8	1368.1	1366.9	1365.4	1364.0	1363.4
13.5°	1367.2	1369.4	1370.4	1370.0	1367.8	1367.1	1363.6	1362.5	1361.2	1359.6	1358.3
14°	1363.8	1365.8	1366.7	1366.8	1364.1	1362.5	1360.0	1358.3	1356.8	1355.0	1354.4
14.5°	1360.4	1362.3	1363.1	1363.1	1359.9	1358.8	1356.4	1353.8	1351.6	1351.1	1349.3
15°	1356.4	1358.7	1359.3	1358.9	1356.5	1354.8	1351.6	1349.3	1347.2	1346.5	1345.4
15.5°	1352.8	1355.0	1355.0	1354.4	1352.7	1350.6	1346.6	1345.1	1342.4	1341.7	1340.0
16°	1348.5	1351.1	1351.5	1350.5	1348.0	1345.8	1342.2	1340.0	1337.8	1336.1	1334.6
16.5°	1343.6	1347.0	1347.6	1346.6	1343.6	1341.1	1337.1	1334.6	1332.5	1330.3	1329.8
17°	1339.2	1342.8	1342.9	1342.3	1339.5	1336.4	1332.4	1329.2	1326.8	1325.6	1324.9
17.5°	1335.4	1338.1	1338.5	1337.5	1334.7	1331.2	1326.4	1323.9	1320.8	1320.2	1318.7
18°	1331.3	1333.4	1334.1	1332.8	1329.5	1326.2	1321.6	1318.4	1315.4	1313.8	1313.1
18.5°	1326.1	1329.5	1329.8	1328.3	1324.8	1321.1	1316.0	1312.4	1310.0	1307.9	1307.1
19°	1321.2	1324.9	1325.2	1323.1	1319.8	1315.5	1310.8	1306.6	1303.6	1301.7	1301.4
19.5°	1316.2	1319.5	1319.7	1318.0	1314.2	1309.6	1304.6	1300.8	1297.1	1296.2	1294.0
20°	1311.3	1314.3	1314.3	1312.7	1308.8	1303.9	1298.2	1294.3	1291.0	1288.6	1288.1
20.5°	1306.3	1309.4	1309.3	1307.3	1303.4	1298.4	1292.1	1287.7	1284.7	1282.3	1281.2
21°	1301.3	1304.3	1304.0	1301.8	1297.2	1292.2	1286.3	1281.2	1278.2	1275.2	1274.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1284.0	1287.2	1287.5	1284.3	1279.6	1273.5	1266.5	1261.0	1256.9	1254.5	1253.0
23°	1278.8	1281.6	1281.3	1278.3	1273.4	1267.1	1259.8	1253.9	1249.4	1247.8	1246.1
23.5°	1272.4	1275.8	1275.4	1272.2	1267.1	1260.2	1253.0	1246.4	1241.8	1239.6	1238.3
24°	1266.3	1269.8	1269.6	1265.7	1260.3	1253.4	1245.3	1238.9	1234.2	1231.9	1230.9
24.5°	1260.5	1263.6	1263.1	1259.6	1253.3	1246.3	1238.9	1231.8	1226.5	1223.9	1222.6
25°	1254.3	1257.6	1256.6	1253.0	1246.9	1239.1	1231.4	1224.1	1218.5	1215.4	1214.8
25.5°	1247.5	1250.9	1250.2	1246.2	1240.5	1231.9	1223.5	1216.1	1210.7	1207.7	1206.4
26°	1241.0	1243.8	1243.5	1238.9	1233.4	1224.2	1215.5	1207.7	1201.9	1198.5	1198.4
26.5°	1234.1	1237.4	1236.0	1232.5	1225.5	1216.7	1207.4	1199.7	1193.8	1190.7	1189.5
27°	1227.3	1231.1	1229.2	1225.0	1218.0	1209.2	1199.6	1191.5	1185.4	1181.5	1181.4
27.5°	1220.5	1224.1	1222.8	1217.5	1210.6	1201.0	1192.3	1182.9	1176.0	1173.4	1172.5
28°	1213.2	1217.0	1215.8	1210.5	1203.0	1193.2	1182.9	1174.7	1167.7	1164.3	1163.2
28.5°	1206.0	1209.7	1208.5	1203.3	1195.7	1185.4	1174.7	1166.0	1158.2	1154.4	1153.9
29°	1199.4	1202.6	1201.2	1195.6	1187.3	1177.0	1166.5	1157.0	1150.2	1146.2	1145.1
29.5°	1192.0	1195.4	1193.5	1188.3	1179.4	1168.8	1158.2	1148.0	1140.0	1136.6	1136.6
30°	1184.1	1187.2	1185.9	1179.9	1171.3	1160.2	1148.9	1139.0	1131.1	1126.9	1127.3
30.5°	1176.7	1179.7	1178.1	1172.5	1163.1	1151.3	1140.1	1129.8	1120.8	1117.7	1117.0
31°	1169.2	1172.5	1170.1	1164.6	1155.2	1143.1	1130.7	1120.3	1112.3	1108.2	1107.2
31.5°	1161.2	1164.7	1162.4	1156.0	1146.8	1134.5	1121.6	1110.6	1102.5	1098.2	1097.2
32°	1152.7	1156.1	1154.1	1147.4	1137.8	1125.1	1112.5	1101.4	1092.7	1088.0	1087.7
32.5°	1144.5	1147.9	1145.9	1138.8	1129.0	1116.1	1103.3	1091.9	1083.6	1078.0	1077.9
33°	1136.7	1140.0	1137.5	1131.0	1120.3	1107.3	1094.1	1081.9	1073.3	1068.3	1068.1
33.5°	1128.2	1131.5	1129.2	1122.5	1111.7	1098.1	1084.6	1072.4	1062.9	1057.9	1057.6
34°	1119.5	1123.4	1120.6	1113.4	1102.8	1088.5	1074.4	1062.2	1052.8	1047.5	1047.4
34.5°	1110.6	1114.6	1112.0	1104.7	1093.9	1079.1	1064.6	1051.5	1042.2	1037.4	1036.8
35°	1102.4	1106.1	1103.6	1096.0	1084.3	1069.6	1055.0	1041.5	1031.5	1026.9	1026.7
35.5°	1093.9	1097.2	1095.1	1087.1	1074.9	1059.8	1044.9	1031.4	1021.1	1016.5	1016.2
36°	1085.0	1088.9	1085.5	1078.1	1065.8	1050.1	1035.0	1021.1	1010.5	1006.0	1005.5
36.5°	1075.9	1079.4	1076.6	1068.4	1056.6	1040.6	1024.9	1010.5	1000.1	994.7	995.3
37°	1067.0	1070.1	1067.5	1059.3	1046.9	1030.9	1014.9	1000.4	988.9	984.1	984.4
37.5°	1058.3	1060.9	1058.2	1050.1	1037.1	1020.9	1004.4	989.7	978.6	973.3	973.5
38°	1049.6	1051.7	1049.3	1040.2	1027.4	1010.7	993.9	979.1	968.1	962.3	962.1
38.5°	1039.9	1042.5	1039.1	1030.7	1017.4	1000.6	983.5	968.2	957.3	952.1	951.6
39°	1029.8	1033.1	1029.9	1021.0	1007.5	990.5	973.2	957.6	946.7	940.7	940.2
39.5°	1019.9	1024.0	1020.3	1011.4	997.3	979.8	962.8	946.8	935.2	930.0	929.9
40°	1010.2	1014.0	1010.9	1001.1	987.3	969.3	951.6	936.1	924.2	918.8	918.8
40.5°	1001.1	1004.2	1001.2	991.5	977.1	959.1	941.0	925.0	912.9	907.6	907.2
41°	991.4	994.3	991.2	981.4	966.9	948.4	930.3	914.3	902.0	896.6	896.0
41.5°	981.3	984.3	980.9	971.6	956.6	938.0	919.2	903.0	890.3	885.1	885.0
42°	971.7	974.9	971.2	961.0	946.5	927.7	909.1	892.2	879.8	874.6	873.7
42.5°	961.9	964.9	961.1	951.3	935.5	916.8	898.1	881.3	868.7	863.0	862.6
43°	951.7	954.6	951.0	940.3	925.1	906.0	887.1	870.0	857.5	852.1	851.6
43.5°	941.1	944.6	940.6	930.5	915.1	895.3	876.0	858.9	846.2	840.5	840.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	910.2	913.4	909.4	898.6	883.2	862.8	843.1	825.5	812.6	806.8	806.6
45.5°	900.1	903.0	898.8	887.9	871.9	851.8	832.1	814.4	801.8	795.4	795.4
46°	889.3	892.5	888.4	877.4	861.1	840.8	820.7	803.3	790.9	783.8	784.5
46.5°	878.2	881.6	877.6	866.6	850.2	829.7	809.4	792.2	779.1	773.3	773.5
47°	867.5	871.2	867.5	855.9	839.6	818.7	798.4	780.8	767.8	762.1	761.9
47.5°	857.1	860.3	856.5	845.6	829.0	807.8	787.7	769.3	756.8	751.0	750.7
48°	846.7	849.8	845.6	834.9	818.3	796.7	776.6	758.5	746.0	739.5	740.0
48.5°	835.6	838.5	834.5	823.8	807.1	785.8	765.8	747.5	734.4	728.8	729.0
49°	825.2	828.5	823.6	812.3	796.0	774.9	754.5	736.6	723.7	717.5	717.5
49.5°	814.2	817.2	813.5	801.8	784.8	763.7	743.6	725.5	712.4	706.5	706.8
50°	803.2	806.6	802.2	791.1	773.7	752.6	732.8	714.4	702.0	695.3	695.6
50.5°	792.0	795.4	791.2	780.3	763.0	741.7	721.6	703.3	690.4	684.6	684.4
51°	781.1	784.4	779.9	768.6	752.1	730.7	710.6	692.7	680.3	673.6	673.2
51.5°	770.0	773.4	768.9	758.0	741.0	719.7	699.3	681.7	668.8	663.5	662.9
52°	759.2	762.5	758.2	746.8	729.8	709.0	688.7	671.1	658.4	652.0	652.2
52.5°	747.7	751.0	746.5	735.6	718.7	697.5	677.7	660.2	647.9	641.7	641.6
53°	736.6	740.0	735.7	724.4	707.5	686.5	666.7	649.5	637.3	630.7	630.5
53.5°	725.4	728.5	724.3	713.4	696.4	675.7	656.0	638.8	625.8	620.6	619.9
54°	714.3	717.2	713.3	702.5	685.5	664.6	645.3	628.0	615.7	609.5	609.8
54.5°	702.9	706.2	701.8	691.2	674.8	653.6	634.0	617.2	604.9	599.1	599.1
55°	691.3	695.0	691.0	680.1	663.2	642.5	623.3	606.6	594.7	589.5	588.3
55.5°	680.4	683.6	679.4	669.1	652.6	632.0	612.6	595.7	583.9	578.6	577.7
56°	668.7	672.1	668.4	657.8	641.6	621.4	602.3	585.2	573.8	568.1	567.7
56.5°	657.5	661.1	657.1	646.7	630.7	610.4	591.4	575.0	563.6	557.9	557.5
57°	646.6	649.5	645.7	635.4	619.2	599.6	580.7	564.6	553.0	547.9	547.2
57.5°	634.8	638.6	634.0	624.4	608.7	589.0	570.3	554.1	543.1	537.6	536.9
58°	623.3	626.8	623.4	612.8	597.0	578.3	559.9	544.1	532.9	527.1	527.3
58.5°	612.2	615.5	611.7	602.0	586.4	567.3	549.2	533.6	522.9	517.3	517.0
59°	600.5	604.5	600.5	590.8	575.5	556.7	538.8	523.3	513.2	507.9	507.0
59.5°	589.2	592.6	589.1	579.8	564.6	546.0	528.6	513.7	503.3	498.4	496.7
60°	577.5	581.2	578.1	568.5	553.5	535.4	518.1	503.8	493.5	488.4	486.9
60.5°	566.2	569.5	566.6	557.4	543.3	525.0	508.4	494.1	483.5	478.4	477.1
61°	554.7	557.9	555.2	546.5	532.5	514.7	495.5	484.0	473.6	468.4	467.3
61.5°	543.4	547.0	543.6	534.7	521.3	504.0	485.1	473.8	463.6	458.5	457.5
62°	531.8	535.6	532.9	524.0	510.1	493.2	475.7	463.8	453.7	448.5	447.8
62.5°	520.4	523.8	521.6	513.3	499.7	482.9	466.2	453.8	443.8	438.7	438.0
63°	508.9	512.6	510.1	502.2	488.9	472.6	456.7	443.8	434.4	429.5	428.7
63.5°	497.5	500.8	498.7	490.6	478.1	462.2	447.3	434.2	425.0	420.2	419.5
64°	485.9	489.3	487.0	480.8	467.2	451.9	437.1	424.9	415.8	411.0	410.1
64.5°	474.1	477.7	475.7	477.2	456.7	441.6	427.5	415.3	406.4	401.7	400.6
65°	462.5	466.1	464.4	463.9	446.8	431.2	417.9	405.9	397.2	392.8	391.6
65.5°	450.7	454.5	453.1	450.7	436.0	421.0	408.0	396.5	388.1	383.4	382.4
66°	439.0	442.9	441.8	437.5	425.3	411.1	398.3	387.1	379.1	374.4	373.6



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	404.8	408.5	408.1	403.0	393.8	381.6	370.0	360.1	352.3	347.9	346.7
68°	393.7	397.3	396.8	392.3	383.4	371.8	360.5	350.9	343.7	339.3	338.2
68.5°	382.1	385.9	386.0	381.1	373.1	361.9	351.3	341.9	335.0	330.9	329.0
69°	370.7	374.6	374.9	371.0	362.9	352.1	342.2	333.1	325.9	322.2	320.8
69.5°	359.4	363.7	363.8	360.4	353.0	342.5	333.0	324.1	317.3	313.4	312.1
70°	347.9	352.3	352.9	349.9	342.9	333.1	323.9	315.2	308.9	304.8	303.5
70.5°	336.6	340.9	341.9	339.1	333.2	323.8	314.9	306.8	300.6	296.7	295.0
71°	325.5	329.5	331.0	328.8	322.9	314.3	305.9	298.2	292.3	288.5	286.9
71.5°	314.2	318.6	319.9	318.2	313.1	304.9	297.1	289.8	283.7	280.2	278.7
72°	303.2	307.4	309.3	307.7	303.2	295.6	288.1	281.2	275.5	271.8	270.3
72.5°	292.1	296.2	298.6	297.4	293.2	286.1	279.5	272.6	267.3	264.1	262.2
73°	280.7	285.3	288.1	287.5	283.7	276.9	270.6	264.3	259.3	255.9	254.0
73.5°	269.4	274.4	277.2	277.2	274.0	268.4	262.0	256.0	251.1	247.9	246.1
74°	258.6	263.2	266.6	267.2	264.4	259.2	253.5	247.8	243.4	240.0	238.2
74.5°	247.7	252.6	256.1	256.9	255.0	250.0	245.2	239.8	235.5	232.3	230.7
75°	236.8	241.8	245.7	246.9	245.5	241.2	236.7	231.9	227.7	224.6	222.7
75.5°	225.8	231.2	235.1	237.0	236.3	232.5	228.4	223.9	219.8	217.1	215.1
76°	215.1	220.3	224.9	227.4	226.7	223.6	220.3	216.1	212.3	209.5	207.4
76.5°	204.5	210.0	214.7	217.5	217.7	215.2	211.9	208.2	204.8	202.2	200.0
77°	194.0	199.3	204.6	207.9	208.7	206.7	204.0	200.4	197.3	194.6	192.5
77.5°	183.3	189.1	194.6	198.3	199.7	198.4	196.0	193.0	189.8	187.5	185.3
78°	173.2	178.8	184.5	189.1	190.8	190.2	188.3	185.5	182.9	180.4	178.2
78.5°	162.8	168.8	174.7	179.7	182.1	181.9	180.4	178.1	175.8	173.3	171.2
79°	152.6	158.8	165.2	170.6	173.4	173.7	172.9	170.8	168.6	166.3	164.1
79.5°	142.6	148.6	155.6	161.5	165.0	165.8	165.5	163.7	161.7	159.6	157.3
80°	133.2	139.0	146.1	152.6	156.6	158.0	157.9	156.6	154.9	153.0	150.7
80.5°	123.4	129.6	137.0	143.8	148.4	150.3	150.7	149.8	148.3	146.2	144.1
81°	114.0	120.3	128.0	135.2	140.3	142.8	143.7	143.0	141.8	139.8	137.7
81.5°	104.7	111.0	119.2	126.7	132.4	135.2	136.8	136.5	135.5	133.7	131.4
82°	95.7	102.0	110.4	118.5	124.6	128.1	129.9	130.1	129.2	127.4	125.2
82.5°	86.4	93.2	102.1	110.4	116.9	121.1	123.2	123.7	123.0	121.3	119.0
83°	78.2	84.8	93.7	102.6	109.5	114.2	116.8	117.4	116.9	115.6	113.2
83.5°	70.0	76.6	85.6	95.0	102.5	107.4	110.5	111.5	111.3	109.7	107.5
84°	62.2	68.7	77.9	87.5	95.5	100.9	104.3	105.6	105.5	104.2	101.9
84.5°	54.4	61.0	70.6	80.3	88.7	94.6	98.1	99.9	99.9	98.7	96.5
85°	47.3	53.7	63.3	73.4	82.3	88.4	92.4	94.3	94.6	93.4	91.2
85.5°	41.1	47.1	56.6	67.0	75.9	82.5	86.7	88.9	89.3	88.2	86.1
86°	35.0	41.1	50.0	60.7	70.0	76.9	81.4	83.7	84.2	83.2	81.0
86.5°	28.8	35.2	44.7	54.7	64.2	71.4	76.1	78.7	79.4	78.5	76.3
87°	22.7	29.2	39.4	48.6	58.8	66.1	71.1	73.9	74.6	74.0	71.7
87.5°	17.4	23.2	34.2	44.1	53.5	61.1	66.2	69.2	70.0	69.4	67.2
88°	12.6	18.3	28.9	39.5	48.4	56.3	61.6	64.6	65.7	65.0	62.9
88.5°	8.5	14.0	23.7	34.9	44.4	51.6	57.1	60.3	61.5	60.9	58.8



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	2.7	5.0	13.1	22.9	32.4	40.3	46.0	48.7	50.0	49.4	48.0
90.5°	1.5	4.0	10.5	19.8	28.9	36.7	42.6	45.6	47.0	46.5	45.0
91°	0.3	3.1	8.5	16.9	25.7	33.2	39.2	42.5	44.0	43.6	41.9
91.5°	0.2	2.3	6.9	14.7	22.9	30.1	35.7	39.4	40.9	40.6	38.8
92°	0.2	1.4	5.6	12.6	20.3	27.3	32.7	36.3	37.9	37.7	35.8
92.5°	0.1	1.1	5.0	10.9	18.1	24.8	29.9	33.3	34.9	34.7	33.2
93°	0.1	0.9	4.4	9.4	16.1	22.4	27.5	30.8	32.4	32.3	30.7
93.5°	0.2	0.7	3.8	8.2	14.3	20.3	25.2	28.4	30.0	29.9	28.5
94°	0.2	0.6	3.2	7.3	12.8	18.4	23.1	26.2	27.7	27.8	26.4
94.5°	0.3	0.5	2.9	6.5	11.5	16.7	21.1	24.2	25.7	25.7	24.4
95°	0.3	0.4	2.6	6.0	10.4	15.2	19.4	22.3	23.8	23.9	22.6
95.5°	0.4	0.4	2.4	5.5	9.5	13.9	17.8	20.6	22.1	22.1	21.0
96°	0.4	0.5	2.1	5.2	8.8	12.8	16.4	19.1	20.5	20.6	19.5
96.5°	0.5	0.5	1.9	4.8	8.2	11.8	15.2	17.7	19.1	19.2	18.2
97°	0.5	0.6	1.7	4.5	7.7	11.0	14.1	16.5	17.8	17.9	17.0
97.5°	0.6	0.6	1.6	4.1	7.3	10.3	13.2	15.4	16.6	16.8	16.0
98°	0.6	0.6	1.4	3.9	6.9	9.7	12.4	14.5	15.6	15.8	15.0
98.5°	0.7	0.6	1.3	3.6	6.5	9.3	11.7	13.6	14.7	14.9	14.2
99°	0.7	0.7	1.2	3.4	6.1	8.9	11.1	12.9	13.9	14.1	13.5
99.5°	0.8	0.8	1.1	3.2	5.8	8.5	10.6	12.3	13.3	13.5	12.9
100°	0.9	0.8	1.1	2.9	5.5	8.1	10.2	11.8	12.7	12.9	12.4
100.5°	1.0	0.9	1.0	2.7	5.2	7.7	9.8	11.4	12.2	12.4	11.9
101°	1.1	0.9	1.0	2.5	4.9	7.3	9.4	10.9	11.8	12.0	11.5
101.5°	1.2	1.0	1.0	2.4	4.7	7.0	9.0	10.5	11.4	11.6	11.1
102°	1.2	1.1	1.0	2.2	4.4	6.6	8.6	10.1	11.0	11.2	10.7
102.5°	1.3	1.1	1.0	2.0	4.1	6.3	8.2	9.7	10.6	10.8	10.3
103°	1.4	1.1	1.0	1.9	3.9	6.0	7.9	9.3	10.1	10.3	10.0
103.5°	1.4	1.2	1.0	1.7	3.6	5.7	7.5	8.9	9.8	10.0	9.6
104°	1.4	1.2	1.0	1.6	3.4	5.4	7.2	8.6	9.4	9.6	9.2
104.5°	1.5	1.3	0.9	1.5	3.2	5.1	6.9	8.2	9.0	9.2	8.8
105°	1.5	1.4	0.9	1.5	2.9	4.9	6.6	7.9	8.7	8.9	8.5
105.5°	1.5	1.6	1.0	1.4	2.8	4.6	6.3	7.5	8.4	8.6	8.2
106°	1.5	1.6	1.0	1.3	2.6	4.4	6.0	7.2	8.1	8.3	7.9
106.5°	1.5	1.5	1.0	1.3	2.5	4.1	5.7	6.9	7.7	8.0	7.6
107°	1.5	1.4	1.0	1.3	2.3	3.9	5.4	6.6	7.4	7.7	7.3
107.5°	1.5	1.4	1.0	1.2	2.2	3.7	5.2	6.3	7.2	7.4	7.0
108°	1.5	1.4	1.1	1.2	2.0	3.5	4.9	6.1	6.9	7.1	6.8
108.5°	1.5	1.5	1.1	1.2	1.9	3.3	4.7	5.8	6.6	6.8	6.5
109°	1.5	1.5	1.1	1.2	1.8	3.1	4.4	5.5	6.3	6.5	6.3
109.5°	1.5	1.6	1.1	1.1	1.7	2.9	4.2	5.3	6.1	6.3	6.0
110°	1.5	1.6	1.2	1.1	1.7	2.8	4.0	5.1	5.8	6.0	5.8
110.5°	1.5	1.5	1.2	1.1	1.6	2.6	3.8	4.8	5.6	5.8	5.6
111°	1.5	1.5	1.2	1.1	1.6	2.5	3.6	4.6	5.3	5.5	5.3



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.6	1.5	1.3	1.2	1.5	2.1	3.1	4.0	4.7	4.8	4.7
113°	1.6	1.5	1.4	1.2	1.4	2.0	2.9	3.8	4.4	4.6	4.5
113.5°	1.6	1.5	1.4	1.2	1.4	1.9	2.7	3.6	4.2	4.4	4.3
114°	1.6	1.5	1.5	1.3	1.4	1.9	2.6	3.4	4.0	4.2	4.1
114.5°	1.6	1.6	1.5	1.3	1.3	1.8	2.5	3.3	3.8	4.0	3.9
115°	1.7	1.6	1.5	1.3	1.3	1.8	2.4	3.1	3.7	3.9	3.8
115.5°	1.7	1.6	1.6	1.3	1.3	1.7	2.3	2.9	3.5	3.7	3.6
116°	1.7	1.6	1.6	1.4	1.3	1.7	2.2	2.8	3.3	3.5	3.5
116.5°	1.7	1.7	1.7	1.4	1.3	1.7	2.1	2.7	3.2	3.4	3.3
117°	1.7	1.7	1.8	1.4	1.3	1.7	2.1	2.6	3.0	3.2	3.2
117.5°	1.7	1.8	1.9	1.4	1.3	1.6	2.0	2.5	2.9	3.1	3.1
118°	1.7	1.8	2.0	1.5	1.4	1.5	2.0	2.4	2.8	3.0	3.0
118.5°	1.7	1.8	2.0	1.5	1.4	1.5	1.9	2.3	2.7	2.9	2.9
119°	1.7	1.8	2.0	1.5	1.4	1.5	1.9	2.3	2.6	2.8	2.8
119.5°	1.7	1.9	1.9	1.6	1.4	1.5	1.9	2.2	2.5	2.7	2.7
120°	1.7	1.9	1.9	1.6	1.5	1.5	1.8	2.1	2.5	2.7	2.6
120.5°	1.8	1.9	1.9	1.6	1.5	1.5	1.7	2.1	2.4	2.6	2.6
121°	1.8	1.9	1.9	1.6	1.5	1.5	1.7	2.0	2.3	2.5	2.5
121.5°	1.8	1.9	1.9	1.7	1.5	1.5	1.6	2.0	2.3	2.5	2.5
122°	1.8	1.9	2.0	1.7	1.6	1.5	1.6	1.9	2.2	2.4	2.4
122.5°	1.8	1.9	2.0	1.8	1.6	1.6	1.6	1.9	2.2	2.4	2.4
123°	1.9	2.0	2.0	1.8	1.6	1.6	1.6	1.8	2.1	2.3	2.3
123.5°	1.9	2.0	2.1	1.8	1.7	1.6	1.6	1.7	2.1	2.3	2.3
124°	1.9	2.0	2.1	1.9	1.7	1.7	1.6	1.7	2.0	2.2	2.2
124.5°	1.9	2.0	2.1	1.9	1.7	1.7	1.6	1.7	2.0	2.2	2.2
125°	1.9	2.0	2.1	2.0	1.8	1.7	1.6	1.7	1.9	2.1	2.2
125.5°	1.9	2.0	2.1	2.0	1.8	1.7	1.6	1.7	1.9	2.1	2.1
126°	1.9	2.0	2.1	2.1	1.8	1.8	1.7	1.7	1.9	2.1	2.1
126.5°	2.0	2.0	2.1	2.2	1.9	1.8	1.7	1.7	1.9	2.1	2.1
127°	2.0	2.0	2.1	2.3	1.9	1.8	1.7	1.8	1.9	2.1	2.2
127.5°	2.0	2.0	2.1	2.3	1.9	1.8	1.8	1.8	2.0	2.1	2.2
128°	2.0	2.0	2.1	2.4	2.0	1.9	1.8	1.9	2.0	2.1	2.2
128.5°	2.1	2.1	2.1	2.4	2.0	1.9	1.9	1.9	2.0	2.2	2.3
129°	2.1	2.1	2.1	2.5	2.0	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	1.9	2.0	2.1	2.2	2.3
130°	2.1	2.1	2.1	2.4	2.1	2.0	2.0	2.0	2.2	2.3	2.4
130.5°	2.1	2.1	2.1	2.4	2.2	2.0	2.0	2.1	2.2	2.3	2.4
131°	2.1	2.1	2.1	2.5	2.2	2.1	2.1	2.1	2.2	2.3	2.4
131.5°	2.1	2.1	2.1	2.5	2.3	2.1	2.1	2.2	2.3	2.4	2.5
132°	2.1	2.1	2.1	2.5	2.3	2.2	2.2	2.2	2.3	2.4	2.5
132.5°	2.1	2.2	2.1	2.6	2.4	2.2	2.2	2.3	2.3	2.4	2.5
133°	2.1	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	2.6	2.6	2.3	2.3	2.4	2.4	2.5	2.6



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.2	2.3	2.3	2.7	2.8	2.5	2.5	2.5	2.5	2.6	2.7
135.5°	2.2	2.3	2.3	2.7	2.9	2.6	2.5	2.5	2.6	2.7	2.8
136°	2.2	2.3	2.3	2.7	2.9	2.6	2.6	2.6	2.6	2.7	2.8
136.5°	2.1	2.2	2.3	2.7	2.9	2.7	2.6	2.6	2.7	2.7	2.9
137°	2.2	2.3	2.4	2.6	2.9	2.7	2.7	2.7	2.7	2.8	2.9
137.5°	2.2	2.3	2.4	2.6	2.9	2.8	2.7	2.7	2.7	2.8	2.9
138°	2.2	2.4	2.4	2.6	2.9	2.9	2.8	2.8	2.8	2.9	3.0
138.5°	2.2	2.4	2.4	2.5	2.9	3.0	2.8	2.8	2.8	2.9	3.0
139°	2.2	2.4	2.4	2.5	3.0	3.1	2.8	2.8	2.9	2.9	3.1
139.5°	2.2	2.5	2.5	2.5	3.0	3.2	2.9	2.9	2.9	3.0	3.1
140°	2.2	2.5	2.5	2.5	3.0	3.2	2.9	2.9	2.9	3.0	3.2
140.5°	2.2	2.5	2.5	2.5	3.0	3.2	3.0	3.0	3.0	3.1	3.2
141°	2.2	2.5	2.5	2.5	3.1	3.3	3.1	3.0	3.0	3.1	3.3
141.5°	2.2	2.5	2.5	2.5	3.1	3.3	3.2	3.0	3.1	3.2	3.3
142°	2.2	2.5	2.5	2.5	3.0	3.3	3.3	3.1	3.1	3.2	3.4
142.5°	2.2	2.6	2.5	2.5	3.0	3.3	3.4	3.1	3.1	3.3	3.4
143°	2.2	2.6	2.6	2.5	3.0	3.3	3.5	3.2	3.2	3.3	3.5
143.5°	2.3	2.6	2.6	2.4	3.0	3.3	3.5	3.3	3.3	3.4	3.6
144°	2.2	2.6	2.6	2.4	2.9	3.3	3.5	3.4	3.3	3.5	3.7
144.5°	2.2	2.6	2.6	2.4	2.9	3.3	3.5	3.5	3.4	3.5	3.7
145°	2.2	2.6	2.6	2.4	2.9	3.3	3.5	3.6	3.4	3.5	3.8
145.5°	2.2	2.6	2.6	2.4	2.8	3.3	3.5	3.7	3.5	3.6	3.8
146°	2.2	2.6	2.6	2.4	2.8	3.3	3.5	3.7	3.7	3.7	4.0
146.5°	2.2	2.6	2.6	2.4	2.8	3.3	3.5	3.7	3.8	3.8	4.1
147°	2.2	2.6	2.6	2.4	2.7	3.3	3.4	3.7	3.9	3.9	4.2
147.5°	2.2	2.6	2.6	2.4	2.7	3.2	3.4	3.7	3.9	4.0	4.2
148°	2.2	2.6	2.7	2.4	2.7	3.2	3.4	3.7	3.9	4.0	4.2
148.5°	2.2	2.6	2.7	2.4	2.6	3.2	3.4	3.7	3.8	4.0	4.2
149°	2.2	2.6	2.7	2.4	2.6	3.2	3.4	3.7	3.8	4.0	4.2
149.5°	2.2	2.6	2.7	2.4	2.6	3.1	3.4	3.6	3.9	4.0	4.2
150°	2.2	2.6	2.7	2.5	2.6	3.1	3.4	3.6	3.9	4.0	4.1
150.5°	2.2	2.5	2.7	2.5	2.5	3.0	3.4	3.6	3.8	4.0	4.1
151°	2.1	2.5	2.7	2.5	2.5	3.0	3.4	3.6	3.8	3.9	4.0
151.5°	2.0	2.5	2.7	2.5	2.5	2.9	3.3	3.6	3.8	3.8	4.0
152°	2.0	2.5	2.7	2.5	2.5	2.9	3.3	3.6	3.8	3.8	4.1
152.5°	2.0	2.5	2.7	2.5	2.5	2.8	3.3	3.6	3.7	3.8	4.0
153°	1.9	2.4	2.7	2.5	2.5	2.8	3.2	3.5	3.7	3.8	4.0
153.5°	1.8	2.4	2.7	2.6	2.5	2.7	3.1	3.5	3.7	3.8	3.9
154°	1.7	2.3	2.7	2.6	2.5	2.7	3.1	3.4	3.6	3.8	3.8
154.5°	1.6	2.3	2.7	2.6	2.5	2.7	3.0	3.3	3.5	3.7	3.7
155°	1.6	2.3	2.7	2.6	2.6	2.7	3.0	3.3	3.5	3.6	3.6
155.5°	1.7	2.3	2.7	2.6	2.6	2.7	2.9	3.2	3.4	3.5	3.6
156°	1.6	2.3	2.7	2.6	2.6	2.7	2.8	3.1	3.3	3.5	3.5



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

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	2.7	2.9	3.1	3.2	3.3
158°	1.5	2.3	2.7	2.7	2.7	2.7	2.7	2.9	3.1	3.2	3.2
158.5°	1.5	2.3	2.7	2.7	2.7	2.7	2.7	2.8	3.0	3.1	3.1
159°	1.5	2.3	2.7	2.7	2.7	2.7	2.7	2.8	2.9	3.0	3.1
159.5°	1.5	2.2	2.7	2.7	2.8	2.8	2.7	2.8	2.9	3.0	3.0
160°	1.5	2.2	2.6	2.7	2.8	2.8	2.7	2.8	2.9	2.9	3.0
160.5°	1.5	2.2	2.6	2.7	2.8	2.8	2.8	2.8	2.8	2.9	2.9
161°	1.5	2.2	2.6	2.7	2.8	2.8	2.8	2.8	2.8	2.9	2.9
161.5°	1.5	2.2	2.6	2.7	2.8	2.9	2.8	2.8	2.8	2.9	2.9
162°	1.5	2.2	2.6	2.7	2.9	2.9	2.8	2.8	2.8	2.8	2.9
162.5°	1.5	2.1	2.6	2.7	2.9	2.9	2.9	2.8	2.8	2.8	2.9
163°	1.5	2.1	2.6	2.7	2.9	2.9	2.9	2.9	2.8	2.9	2.9
163.5°	1.5	2.0	2.5	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9
164°	1.5	1.9	2.5	2.7	2.9	3.0	2.9	2.9	2.9	2.9	2.9
164.5°	1.5	1.9	2.5	2.7	2.9	3.0	3.0	2.9	2.9	2.9	3.0
165°	1.6	1.8	2.5	2.7	2.9	3.0	3.0	3.0	2.9	2.9	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	2.5	2.6	2.9	3.0	3.0	3.0	3.0	3.0	3.0
166.5°	1.6	1.9	2.6	2.6	2.9	3.0	3.0	3.0	3.0	3.0	3.0
167°	1.6	1.9	2.5	2.6	2.9	3.0	3.0	3.0	3.0	3.0	3.1
167.5°	1.6	1.9	2.3	2.6	2.8	3.0	3.1	3.1	3.1	3.0	3.1
168°	1.6	2.0	2.4	2.4	2.8	3.0	3.1	3.1	3.1	3.1	3.1
168.5°	1.6	1.9	2.5	2.4	2.9	3.0	3.1	3.1	3.1	3.1	3.1
169°	1.7	1.7	2.3	2.5	2.8	3.0	3.1	3.1	3.1	3.1	3.1
169.5°	1.7	1.9	2.1	2.6	2.5	2.9	3.1	3.1	3.1	3.1	3.1
170°	1.7	2.1	2.2	2.5	2.6	2.8	3.0	3.1	3.1	3.1	3.1
170.5°	2.0	2.0	2.4	2.4	2.8	2.9	3.0	3.1	3.1	3.1	3.1
171°	2.2	2.1	2.4	2.5	2.7	2.8	3.0	3.1	3.1	3.1	3.1
171.5°	2.2	2.3	2.2	2.5	2.4	2.5	2.9	3.1	3.1	3.1	3.1
172°	2.3	2.3	2.3	2.4	2.5	2.5	2.9	3.0	3.1	3.1	3.1
172.5°	2.4	2.4	2.4	2.3	2.5	2.7	2.8	3.0	3.0	3.0	3.0
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	2.8	2.9	2.9	2.9	2.9
174°	2.5	2.5	2.5	2.3	2.5	2.6	2.7	2.9	2.9	2.9	2.9
174.5°	2.5	2.5	2.6	2.4	2.3	2.5	2.5	2.8	2.9	2.9	2.9
175°	2.6	2.6	2.6	2.5	2.3	2.4	2.6	2.8	2.9	2.8	2.9
175.5°	2.6	2.6	2.6	2.5	2.4	2.4	2.6	2.8	2.9	2.8	2.8
176°	2.6	2.6	2.6	2.5	2.3	2.3	2.4	2.7	2.9	2.9	2.8
176.5°	2.6	2.6	2.7	2.6	2.5	2.3	2.4	2.7	2.8	2.8	2.8
177°	2.6	2.6	2.7	2.7	2.5	2.3	2.5	2.6	2.7	2.8	2.7
177.5°	2.6	2.7	2.7	2.6	2.4	2.3	2.4	2.6	2.7	2.7	2.7
178°	2.6	2.7	2.6	2.6	2.4	2.3	2.3	2.4	2.6	2.7	2.6
178.5°	2.7	2.7	2.6	2.5	2.3	2.2	2.2	2.4	2.5	2.7	2.6



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2
0.5°	1412.5	1412.5	1412.4	1412.2	1412.1	1411.9	1411.8	1411.7	1411.6	1411.6	1411.7
1°	1412.5	1412.7	1412.9	1413.0	1412.8	1412.6	1412.2	1411.8	1411.5	1411.3	1411.3
1.5°	1412.9	1412.8	1412.4	1411.7	1411.3	1411.3	1411.3	1411.1	1410.8	1410.5	1410.5
2°	1412.9	1411.8	1410.6	1410.6	1410.5	1410.1	1409.9	1409.9	1409.7	1409.5	1409.5
2.5°	1411.7	1411.6	1411.7	1410.8	1410.8	1410.4	1409.6	1409.4	1409.2	1409.0	1408.6
3°	1411.2	1410.9	1410.6	1409.9	1409.9	1409.7	1409.4	1408.9	1407.7	1406.8	1407.1
3.5°	1410.1	1409.7	1409.7	1409.8	1409.1	1408.0	1407.8	1408.1	1406.4	1405.8	1405.5
4°	1409.7	1409.1	1408.5	1408.6	1408.3	1407.6	1406.6	1406.9	1406.0	1404.8	1403.9
4.5°	1407.2	1408.0	1406.6	1407.4	1407.5	1406.5	1405.4	1404.7	1404.2	1403.3	1402.6
5°	1406.6	1406.6	1406.3	1405.6	1405.9	1405.4	1404.4	1403.5	1403.0	1402.1	1400.3
5.5°	1405.8	1405.2	1404.9	1404.1	1404.4	1403.4	1403.2	1402.2	1401.7	1400.6	1398.7
6°	1404.2	1403.5	1402.9	1402.6	1402.4	1401.9	1401.5	1400.5	1399.7	1398.9	1396.4
6.5°	1402.2	1401.6	1401.3	1400.8	1400.3	1400.9	1400.0	1398.7	1397.1	1397.1	1394.5
7°	1400.4	1399.5	1400.0	1399.0	1398.8	1398.9	1398.2	1396.5	1395.0	1394.3	1392.6
7.5°	1398.1	1397.5	1397.6	1397.6	1396.5	1396.6	1395.8	1394.9	1392.7	1392.3	1390.7
8°	1395.9	1395.6	1395.2	1395.3	1394.8	1394.9	1393.0	1392.1	1390.6	1390.0	1387.7
8.5°	1393.0	1393.1	1392.6	1392.4	1392.8	1392.0	1391.8	1389.9	1389.0	1387.2	1385.3
9°	1390.2	1390.5	1390.2	1390.1	1390.5	1389.4	1389.0	1388.0	1385.8	1384.4	1382.6
9.5°	1387.9	1388.0	1387.2	1387.4	1387.5	1387.3	1385.9	1384.8	1382.5	1381.5	1379.2
10°	1384.8	1384.9	1384.3	1385.1	1384.7	1383.5	1383.6	1382.2	1380.0	1378.6	1376.1
10.5°	1381.7	1382.0	1380.7	1382.2	1381.7	1381.0	1381.0	1379.5	1377.5	1375.0	1373.2
11°	1377.8	1379.0	1378.4	1379.5	1379.0	1378.5	1378.1	1376.6	1374.1	1371.5	1369.5
11.5°	1374.3	1375.5	1374.8	1375.8	1375.7	1375.8	1374.7	1372.9	1370.4	1368.6	1365.7
12°	1370.8	1371.6	1371.3	1372.0	1372.8	1372.0	1371.4	1369.7	1367.5	1365.5	1362.1
12.5°	1367.1	1368.1	1368.0	1368.2	1369.4	1368.6	1367.9	1366.4	1364.3	1361.2	1358.8
13°	1363.2	1364.2	1363.7	1364.2	1365.2	1364.8	1364.7	1363.1	1361.1	1357.4	1355.0
13.5°	1358.7	1359.3	1359.4	1360.7	1361.3	1361.0	1360.9	1359.3	1356.6	1353.3	1350.2
14°	1354.1	1355.1	1355.8	1356.9	1357.6	1357.4	1357.1	1355.9	1352.6	1349.4	1346.0
14.5°	1349.5	1350.6	1351.5	1352.5	1353.7	1353.6	1353.2	1351.7	1349.2	1345.0	1341.5
15°	1344.7	1346.6	1347.0	1348.3	1350.0	1349.3	1349.3	1347.2	1345.1	1340.1	1337.1
15.5°	1339.8	1342.2	1342.8	1344.1	1345.8	1344.8	1345.3	1342.9	1340.4	1335.9	1332.5
16°	1334.5	1336.8	1337.9	1339.2	1340.9	1340.7	1340.8	1339.0	1335.8	1332.0	1328.0
16.5°	1329.5	1331.9	1332.9	1334.4	1336.0	1336.4	1335.9	1334.9	1331.7	1327.4	1322.8
17°	1324.0	1326.4	1327.7	1329.4	1331.6	1331.5	1331.4	1330.3	1326.9	1322.3	1317.3
17.5°	1318.5	1321.3	1322.7	1324.4	1327.0	1327.1	1327.6	1325.3	1321.9	1317.4	1312.3
18°	1313.1	1315.2	1317.6	1319.9	1321.8	1321.9	1322.2	1320.1	1316.7	1312.3	1306.7
18.5°	1307.0	1309.0	1312.3	1314.4	1316.7	1316.6	1316.6	1315.3	1311.7	1306.6	1300.8
19°	1300.6	1303.0	1306.3	1308.3	1311.4	1311.8	1311.8	1310.3	1306.9	1301.1	1295.5
19.5°	1294.3	1297.1	1300.3	1303.2	1305.7	1306.2	1306.5	1304.9	1301.4	1295.6	1289.6
20°	1288.7	1291.6	1294.5	1297.5	1300.0	1301.1	1301.1	1299.7	1296.0	1290.0	1283.7
20.5°	1282.1	1285.0	1288.7	1291.2	1294.7	1295.3	1295.3	1294.3	1290.5	1284.3	1277.6
21°	1275.3	1279.1	1282.0	1285.1	1288.5	1290.0	1289.9	1288.4	1284.6	1278.1	1271.5



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1254.3	1257.7	1262.2	1266.8	1270.3	1272.2	1272.2	1270.2	1266.5	1259.3	1252.6
23°	1247.0	1250.8	1255.7	1260.0	1263.9	1265.7	1265.9	1263.8	1260.3	1253.3	1245.3
23.5°	1239.6	1243.6	1248.5	1252.8	1257.7	1259.8	1259.9	1257.9	1253.8	1247.2	1238.7
24°	1231.7	1236.7	1241.1	1246.2	1250.7	1253.0	1253.4	1251.7	1247.5	1240.4	1231.8
24.5°	1224.0	1228.8	1234.1	1239.0	1243.8	1246.5	1247.3	1245.2	1240.8	1233.4	1224.7
25°	1216.6	1221.1	1226.9	1232.0	1236.9	1239.9	1240.8	1238.6	1234.0	1226.2	1217.3
25.5°	1208.5	1213.6	1219.1	1224.4	1229.7	1232.9	1233.7	1231.7	1227.2	1219.3	1210.4
26°	1200.3	1205.7	1211.6	1216.8	1222.7	1225.8	1226.4	1225.2	1220.3	1212.1	1202.8
26.5°	1192.2	1197.3	1203.5	1209.3	1215.8	1219.1	1219.6	1218.0	1212.9	1205.0	1195.2
27°	1183.5	1189.4	1195.6	1201.9	1207.8	1211.6	1212.4	1210.5	1205.9	1197.5	1187.6
27.5°	1175.1	1180.7	1187.6	1193.9	1200.7	1204.0	1204.9	1203.4	1198.6	1190.1	1179.7
28°	1166.2	1172.6	1179.0	1186.4	1192.8	1196.2	1197.4	1196.0	1191.0	1182.5	1171.7
28.5°	1157.5	1163.7	1171.0	1178.3	1184.7	1188.9	1190.1	1188.8	1183.5	1174.7	1164.1
29°	1148.5	1155.1	1162.8	1169.6	1177.2	1181.7	1182.7	1180.9	1175.8	1166.9	1155.8
29.5°	1139.0	1145.6	1154.0	1161.3	1169.1	1173.2	1175.3	1173.3	1167.7	1158.9	1147.3
30°	1130.3	1137.2	1145.4	1153.3	1160.8	1166.0	1166.8	1165.4	1159.6	1150.7	1139.1
30.5°	1120.9	1127.3	1136.5	1145.1	1152.5	1157.6	1158.6	1157.0	1152.4	1142.5	1130.6
31°	1110.8	1118.8	1127.8	1136.0	1144.3	1148.9	1151.0	1149.6	1143.9	1133.9	1122.1
31.5°	1101.1	1109.5	1118.6	1127.0	1136.1	1141.0	1142.6	1141.1	1135.3	1126.0	1113.5
32°	1091.6	1099.7	1109.3	1118.6	1127.0	1132.5	1134.0	1132.9	1127.5	1117.3	1104.7
32.5°	1081.8	1090.6	1100.3	1109.5	1118.1	1124.1	1125.8	1124.7	1118.6	1108.8	1096.0
33°	1071.9	1080.5	1091.0	1100.5	1110.0	1115.2	1117.6	1115.9	1110.3	1100.1	1086.6
33.5°	1061.8	1070.9	1081.3	1091.6	1100.7	1106.7	1108.4	1107.6	1101.6	1091.1	1077.6
34°	1051.8	1061.0	1071.8	1082.2	1091.2	1097.8	1099.8	1099.3	1092.9	1082.3	1068.6
34.5°	1042.0	1051.0	1062.1	1072.6	1082.3	1089.2	1091.2	1090.2	1083.6	1073.6	1060.4
35°	1031.6	1040.6	1052.2	1062.9	1073.4	1079.8	1082.5	1081.1	1075.0	1064.4	1051.5
35.5°	1020.6	1030.9	1042.3	1053.4	1064.0	1070.2	1073.3	1072.1	1066.1	1055.9	1041.6
36°	1010.1	1020.5	1032.4	1044.1	1054.2	1061.6	1064.2	1063.5	1057.2	1046.1	1031.6
36.5°	999.7	1009.8	1022.5	1034.5	1044.9	1052.5	1055.2	1054.5	1047.7	1036.5	1021.7
37°	989.1	999.7	1012.3	1023.9	1035.8	1043.3	1045.8	1044.9	1038.1	1026.8	1011.8
37.5°	978.7	989.0	1002.1	1014.5	1025.8	1033.7	1036.3	1035.3	1028.6	1017.2	1002.0
38°	967.7	978.8	992.1	1004.8	1016.3	1023.8	1026.8	1025.8	1019.1	1007.6	992.2
38.5°	957.3	967.8	981.9	994.4	1005.7	1013.9	1017.3	1016.2	1009.5	997.9	982.0
39°	946.4	957.6	971.2	984.1	996.1	1004.1	1007.5	1006.5	999.7	988.0	972.3
39.5°	935.8	946.7	960.7	973.9	986.1	994.3	997.4	996.4	989.7	978.4	961.9
40°	924.5	935.8	950.0	963.7	976.0	984.6	987.8	986.6	980.0	968.2	951.9
40.5°	913.2	925.0	939.1	953.7	965.5	974.6	977.8	976.4	970.0	958.3	941.8
41°	902.0	913.8	928.6	942.8	955.6	964.0	967.5	966.6	960.0	948.5	931.7
41.5°	891.4	903.1	918.0	932.1	945.0	954.0	957.6	956.6	950.2	937.8	920.9
42°	880.5	892.7	907.3	921.7	934.6	943.5	947.0	946.8	939.6	927.1	910.5
42.5°	869.5	881.6	896.5	911.1	924.0	933.2	936.9	936.3	929.6	917.2	899.8
43°	858.4	869.8	885.5	900.5	913.7	923.5	926.6	925.9	919.1	906.9	890.2
43.5°	846.8	859.4	874.8	889.8	903.4	912.5	916.2	915.5	908.5	896.4	879.4



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	813.8	826.1	841.9	857.3	871.6	880.9	884.4	884.1	877.3	864.4	847.2
45.5°	802.2	814.7	830.9	846.5	860.2	869.7	874.1	873.5	866.1	853.6	836.3
46°	791.0	803.4	819.8	835.4	849.3	859.5	863.0	862.6	855.2	843.1	825.6
46.5°	779.7	792.7	808.3	824.3	838.2	848.2	852.2	851.6	844.6	832.3	814.9
47°	768.7	781.0	797.2	813.6	827.8	837.8	841.6	840.8	833.7	821.3	803.9
47.5°	757.5	770.7	786.2	802.3	816.8	827.0	830.1	830.0	823.0	810.4	792.9
48°	746.4	758.8	775.0	791.2	805.7	815.9	819.4	818.7	812.1	799.7	782.0
48.5°	735.4	747.9	764.5	780.4	794.2	804.4	808.2	808.0	801.1	788.6	770.7
49°	724.1	737.0	753.5	769.2	783.8	793.6	797.4	797.1	790.3	777.5	760.0
49.5°	713.3	726.0	742.2	757.9	772.2	783.0	786.7	785.9	779.0	766.4	749.2
50°	702.4	714.4	731.0	746.5	761.7	771.7	775.6	775.0	768.0	755.6	738.0
50.5°	691.4	703.6	719.8	735.9	750.3	760.7	764.4	763.7	757.1	744.3	726.7
51°	680.1	692.6	708.8	725.0	739.4	749.2	753.0	752.5	745.4	733.1	715.8
51.5°	669.5	682.2	697.6	713.8	727.9	738.5	741.7	741.4	734.5	722.3	704.6
52°	658.6	670.6	686.7	702.3	717.0	726.5	730.8	730.2	723.3	710.7	693.5
52.5°	648.0	659.8	675.6	691.3	705.6	715.7	719.7	720.0	712.0	699.4	682.4
53°	637.2	649.0	664.5	680.4	694.7	704.3	709.1	708.7	700.7	688.3	671.4
53.5°	626.4	638.4	653.7	669.1	683.5	693.4	698.9	696.2	689.5	677.4	660.3
54°	615.6	626.7	642.9	657.9	672.3	681.9	686.8	684.7	677.9	665.9	649.4
54.5°	605.2	616.5	631.7	647.0	660.7	671.0	674.3	673.5	666.7	654.9	638.4
55°	594.3	605.9	620.9	636.0	649.8	659.5	663.0	661.9	655.3	643.6	627.1
55.5°	583.6	595.3	610.4	625.0	638.3	648.3	651.3	650.4	643.7	632.3	615.8
56°	573.1	584.4	599.4	613.8	627.2	636.5	639.9	640.3	632.7	620.9	604.8
56.5°	562.8	573.8	588.4	602.8	616.0	625.1	629.2	628.8	621.5	609.7	593.8
57°	552.7	563.2	577.3	591.9	604.9	614.0	619.1	615.9	610.4	598.5	582.7
57.5°	542.2	553.0	566.6	581.4	593.6	602.8	607.2	604.8	598.1	587.1	571.7
58°	531.8	542.5	556.3	570.3	582.2	591.4	594.0	593.4	586.9	575.9	560.6
58.5°	521.8	531.8	545.3	558.8	571.0	579.8	582.7	582.2	575.4	565.0	549.4
59°	511.8	521.4	534.4	547.7	560.1	568.4	571.5	570.9	564.3	553.4	538.3
59.5°	501.5	511.4	523.9	536.9	549.1	557.8	561.0	558.5	552.6	542.0	527.6
60°	491.7	501.3	513.3	526.3	538.7	546.6	549.1	547.2	541.3	530.9	516.1
60.5°	481.8	491.0	503.1	515.5	527.8	534.6	536.5	535.9	529.4	519.5	505.4
61°	471.9	480.8	492.9	504.8	516.0	522.7	524.8	524.5	518.2	508.1	494.4
61.5°	461.9	470.6	482.3	494.5	504.4	511.7	513.8	512.6	506.4	496.7	483.2
62°	452.0	460.3	471.8	483.6	496.7	501.6	503.1	501.2	494.9	485.8	472.3
62.5°	442.0	450.0	461.2	473.1	484.9	497.9	488.4	489.4	483.7	474.5	461.2
63°	432.2	440.1	450.6	461.9	474.0	484.1	477.1	478.2	472.5	463.3	450.8
63.5°	422.8	430.3	440.2	450.7	461.7	470.7	466.1	466.5	460.5	452.2	439.9
64°	413.5	420.6	429.9	439.8	449.4	457.4	455.0	454.7	449.4	441.0	429.0
64.5°	404.0	410.7	419.9	429.2	438.1	444.0	443.9	443.3	438.0	429.7	418.1
65°	394.6	401.2	410.0	418.9	426.9	432.1	432.5	432.1	426.8	418.5	407.7
65.5°	385.3	391.7	399.9	408.3	415.9	420.6	421.6	420.4	415.3	407.5	396.8
66°	376.0	382.2	389.7	398.1	405.0	410.4	410.3	408.9	404.0	396.5	386.0



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	349.1	353.8	360.8	367.4	372.9	376.1	375.7	374.7	370.1	363.5	354.4
68°	340.0	344.7	351.1	357.0	362.1	365.2	364.2	363.5	358.9	352.3	343.5
68.5°	331.2	335.4	341.1	346.8	351.5	354.0	353.4	352.0	347.4	341.3	333.3
69°	322.3	326.1	331.6	336.6	340.7	343.0	342.0	340.6	336.1	330.6	322.8
69.5°	313.3	316.8	322.1	326.7	330.5	332.3	330.9	329.0	325.1	319.8	312.6
70°	304.4	308.0	312.7	316.9	320.1	321.1	319.3	318.0	314.1	309.0	302.2
70.5°	296.1	299.1	303.4	307.0	309.6	310.1	308.3	306.8	302.6	298.4	291.8
71°	287.7	290.4	294.1	297.3	299.2	299.4	297.0	295.7	292.0	287.4	281.5
71.5°	279.1	281.7	284.8	287.3	288.9	288.5	286.0	284.5	280.8	276.9	271.5
72°	270.6	272.9	275.5	277.7	278.7	277.9	275.1	273.4	269.8	266.2	261.5
72.5°	262.4	264.0	266.5	268.0	268.8	267.4	264.2	262.2	258.8	255.8	251.6
73°	254.0	255.3	257.3	258.5	258.7	256.7	253.2	251.2	248.0	245.2	241.4
73.5°	245.8	246.8	248.4	249.1	248.7	246.3	242.5	240.4	237.3	234.9	231.7
74°	238.0	238.5	239.7	239.9	238.7	235.8	231.7	229.5	226.8	224.5	221.8
74.5°	229.9	230.2	230.9	230.5	228.8	225.6	220.9	218.5	216.1	214.1	212.4
75°	221.8	221.9	222.1	221.0	219.0	215.3	210.4	208.0	205.7	204.2	202.8
75.5°	214.1	213.7	213.5	212.0	209.4	205.1	199.9	197.4	195.1	194.3	193.5
76°	206.3	205.7	204.9	203.0	199.9	195.1	189.5	186.9	184.8	184.4	183.9
76.5°	198.7	197.6	196.5	193.9	190.5	185.2	179.0	176.4	174.7	174.7	174.9
77°	191.1	189.8	188.4	185.5	181.1	175.3	169.1	166.2	164.7	164.9	165.8
77.5°	183.6	182.0	180.1	176.7	171.8	165.6	159.0	156.1	154.5	155.6	157.0
78°	176.3	174.4	171.9	168.1	162.8	156.1	149.2	146.1	144.9	146.1	147.8
78.5°	169.1	166.9	164.1	159.8	153.9	146.7	139.5	136.3	135.2	136.9	139.5
79°	162.0	159.6	156.2	151.5	145.2	137.5	130.0	127.0	126.1	128.4	131.5
79.5°	155.0	152.2	148.6	143.1	136.6	128.4	120.4	117.7	117.1	119.9	123.5
80°	148.1	145.1	141.1	135.3	128.1	119.4	111.3	108.4	108.0	111.4	115.5
80.5°	141.4	138.1	133.7	127.2	119.7	110.9	102.4	99.1	98.9	102.9	107.5
81°	134.9	131.3	126.5	119.8	111.7	102.4	93.8	90.2	90.4	94.3	99.5
81.5°	128.5	124.6	119.4	112.3	104.0	94.2	85.2	81.3	82.1	86.3	92.0
82°	122.0	117.9	112.6	105.2	96.1	86.2	77.0	72.9	73.8	78.5	84.7
82.5°	115.8	111.6	105.9	98.0	88.7	78.4	69.1	65.2	66.0	71.2	77.8
83°	109.9	105.4	99.4	91.3	81.6	70.9	61.5	57.4	58.6	64.1	71.0
83.5°	104.0	99.5	93.1	84.7	74.7	63.9	54.2	50.2	51.7	57.3	64.6
84°	98.3	93.6	87.1	78.3	68.0	56.9	47.3	43.2	44.8	50.7	58.5
84.5°	93.0	87.9	81.1	72.0	61.7	50.5	41.4	36.6	38.4	44.5	52.7
85°	87.5	82.4	75.4	66.3	55.7	45.1	35.6	30.4	32.3	38.8	47.2
85.5°	82.3	77.1	70.0	60.8	50.0	39.8	29.8	24.7	26.8	33.5	42.1
86°	77.3	72.1	64.8	55.5	45.4	34.6	23.9	20.5	21.7	28.7	37.4
86.5°	72.6	67.3	59.8	50.5	40.8	29.3	18.9	16.3	18.3	24.2	33.0
87°	67.9	62.5	55.0	46.5	36.2	24.0	14.6	12.2	14.9	20.3	28.8
87.5°	63.4	57.9	50.7	42.3	31.6	19.9	10.9	8.0	11.6	17.7	25.1
88°	59.1	53.7	46.8	38.2	27.0	16.4	7.8	3.9	8.2	15.2	21.8
88.5°	55.1	49.4	43.2	34.1	23.4	13.4	5.4	1.8	5.0	12.6	18.9



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	44.6	39.4	32.3	23.8	14.9	6.9	2.4	0.5	2.1	6.3	13.3
90.5°	41.5	36.1	29.2	21.1	12.7	5.6	1.5	0.4	1.8	5.4	11.7
91°	38.3	33.1	26.5	18.7	10.9	5.0	1.1	0.3	1.6	4.7	10.2
91.5°	35.3	30.4	24.0	16.6	9.4	4.3	0.9	0.2	1.4	4.3	8.6
92°	32.5	27.8	21.6	14.8	8.2	3.7	0.7	0.2	1.3	4.0	7.9
92.5°	30.0	25.4	19.6	13.1	7.2	3.1	0.6	0.3	1.2	3.7	7.3
93°	27.7	23.3	17.8	11.8	6.5	2.8	0.5	0.3	1.0	3.5	6.9
93.5°	25.6	21.4	16.1	10.6	5.9	2.5	0.5	0.4	1.0	3.3	6.5
94°	23.6	19.6	14.7	9.6	5.5	2.3	0.4	0.4	0.9	3.2	6.2
94.5°	21.8	18.0	13.4	8.8	5.1	2.1	0.5	0.5	1.0	3.2	6.0
95°	20.1	16.5	12.3	8.2	4.8	1.9	0.5	0.5	1.0	3.1	5.7
95.5°	18.6	15.3	11.4	7.7	4.5	1.8	0.6	0.6	1.0	3.1	5.6
96°	17.3	14.2	10.7	7.3	4.2	1.6	0.7	0.7	1.0	3.0	5.4
96.5°	16.1	13.2	10.0	6.9	4.0	1.6	0.7	0.8	1.0	2.9	5.3
97°	15.0	12.4	9.5	6.6	3.7	1.5	0.8	0.8	0.9	2.8	5.2
97.5°	14.1	11.7	9.1	6.3	3.5	1.4	0.9	0.9	0.9	2.7	5.2
98°	13.4	11.2	8.7	6.0	3.3	1.3	0.9	1.0	0.9	2.6	5.1
98.5°	12.7	10.7	8.3	5.7	3.2	1.3	1.0	1.1	1.0	2.5	5.0
99°	12.1	10.3	8.0	5.4	3.0	1.2	1.1	1.2	1.1	2.5	4.9
99.5°	11.7	9.9	7.6	5.1	2.8	1.2	1.1	1.3	1.2	2.5	4.8
100°	11.2	9.5	7.3	4.9	2.7	1.2	1.2	1.5	1.3	2.5	4.7
100.5°	10.8	9.1	7.0	4.6	2.5	1.2	1.3	1.6	1.4	2.5	4.6
101°	10.4	8.7	6.7	4.4	2.4	1.2	1.3	1.7	1.5	2.4	4.5
101.5°	10.0	8.4	6.4	4.1	2.2	1.2	1.4	1.7	1.5	2.4	4.4
102°	9.6	8.1	6.1	3.9	2.1	1.2	1.4	1.8	1.6	2.3	4.3
102.5°	9.3	7.7	5.8	3.8	2.0	1.2	1.6	1.8	1.7	2.2	4.2
103°	8.9	7.4	5.6	3.6	1.9	1.2	1.7	1.9	1.7	2.1	4.1
103.5°	8.6	7.1	5.4	3.4	1.8	1.3	1.7	1.9	1.8	2.1	4.0
104°	8.3	6.8	5.1	3.2	1.8	1.4	1.8	2.0	1.9	2.0	3.9
104.5°	8.0	6.6	4.9	3.1	1.8	1.5	1.8	2.0	1.9	2.0	3.8
105°	7.6	6.3	4.7	2.9	1.7	1.6	2.0	2.1	2.0	2.0	3.7
105.5°	7.3	6.0	4.5	2.8	1.7	1.6	2.3	2.2	2.1	2.0	3.6
106°	7.0	5.8	4.3	2.7	1.7	1.7	2.6	2.2	2.2	2.0	3.5
106.5°	6.8	5.6	4.1	2.5	1.7	1.7	2.8	2.3	2.3	1.9	3.3
107°	6.5	5.3	3.9	2.4	1.7	1.7	3.1	2.4	2.6	1.9	3.2
107.5°	6.2	5.1	3.7	2.3	1.7	1.8	3.1	2.4	2.8	1.8	3.1
108°	6.0	4.9	3.5	2.3	1.7	1.8	3.1	2.4	2.8	1.9	3.0
108.5°	5.7	4.7	3.4	2.2	1.7	1.9	3.0	2.5	2.7	1.9	2.9
109°	5.5	4.4	3.2	2.1	1.8	1.9	3.0	2.5	2.7	2.0	2.8
109.5°	5.3	4.2	3.1	2.1	1.8	2.0	2.9	2.5	2.8	2.0	2.8
110°	5.1	4.1	2.9	2.0	1.9	2.1	2.9	2.6	2.8	2.1	2.7
110.5°	4.9	3.9	2.8	1.9	1.9	2.2	2.9	2.6	2.9	2.2	2.7
111°	4.7	3.7	2.7	1.9	1.9	2.3	2.9	2.6	3.0	2.2	2.7



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	2.9	3.3	3.9	4.7	4.5	3.6	3.2	3.0	3.7	4.0	3.6
135.5°	3.0	3.4	3.9	4.7	4.5	3.6	3.2	3.0	3.8	4.0	3.6
136°	3.0	3.4	4.0	4.7	4.5	3.6	3.3	3.0	3.8	4.0	3.6
136.5°	3.1	3.5	4.0	4.8	4.4	3.6	3.3	3.0	3.7	4.0	3.6
137°	3.1	3.5	4.1	4.8	4.3	3.6	3.3	3.0	3.7	4.0	3.7
137.5°	3.2	3.6	4.1	4.8	4.3	3.6	3.3	3.0	3.7	3.9	3.7
138°	3.2	3.7	4.2	4.9	4.2	3.6	3.3	3.0	3.6	3.9	3.7
138.5°	3.3	3.7	4.3	4.9	4.2	3.6	3.3	3.0	3.5	3.9	3.7
139°	3.4	3.8	4.4	4.9	4.1	3.6	3.3	3.0	3.5	3.9	3.7
139.5°	3.4	3.8	4.5	4.9	4.1	3.6	3.3	3.0	3.5	3.9	3.7
140°	3.5	3.9	4.6	4.8	4.0	3.6	3.4	3.0	3.6	3.9	3.7
140.5°	3.5	3.9	4.6	4.8	3.9	3.6	3.4	2.9	3.6	4.0	3.7
141°	3.6	4.0	4.6	4.7	3.9	3.6	3.3	2.9	3.6	4.0	3.7
141.5°	3.6	4.1	4.7	4.7	3.8	3.6	3.3	3.0	3.6	4.0	3.7
142°	3.7	4.2	4.7	4.6	3.8	3.6	3.4	2.9	3.5	4.0	3.7
142.5°	3.7	4.3	4.7	4.5	3.7	3.6	3.4	2.8	3.5	4.0	3.7
143°	3.8	4.4	4.7	4.5	3.7	3.6	3.3	2.8	3.5	4.0	3.6
143.5°	3.8	4.5	4.7	4.4	3.7	3.7	3.3	2.8	3.5	3.8	3.6
144°	3.9	4.5	4.7	4.3	3.6	3.6	3.3	2.9	3.5	3.9	3.7
144.5°	4.0	4.5	4.7	4.2	3.6	3.6	3.3	2.9	3.5	4.0	3.7
145°	4.2	4.5	4.6	4.1	3.6	3.6	3.3	2.9	3.4	4.0	3.7
145.5°	4.3	4.5	4.6	4.1	3.6	3.6	3.3	2.9	3.4	4.0	3.7
146°	4.3	4.5	4.5	4.0	3.6	3.6	3.3	2.9	3.4	4.1	3.7
146.5°	4.3	4.5	4.4	3.9	3.5	3.6	3.3	2.9	3.3	4.0	3.7
147°	4.3	4.4	4.4	3.8	3.5	3.6	3.3	2.9	3.3	4.0	3.8
147.5°	4.3	4.4	4.3	3.8	3.5	3.5	3.2	2.8	3.4	4.0	3.8
148°	4.3	4.4	4.2	3.7	3.5	3.4	3.2	2.9	3.4	4.0	3.9
148.5°	4.3	4.4	4.1	3.6	3.5	3.4	3.2	2.9	3.3	4.0	3.9
149°	4.3	4.3	4.1	3.6	3.4	3.5	3.3	2.9	3.3	3.9	3.9
149.5°	4.2	4.2	4.0	3.5	3.4	3.5	3.2	2.9	3.3	3.9	3.9
150°	4.2	4.2	3.9	3.5	3.4	3.5	3.2	2.9	3.3	3.9	3.9
150.5°	4.2	4.1	3.8	3.4	3.4	3.4	3.2	2.9	3.3	3.9	3.9
151°	4.2	4.0	3.7	3.4	3.3	3.4	3.2	2.9	3.2	3.9	3.8
151.5°	4.2	3.9	3.6	3.3	3.3	3.4	3.2	2.9	3.2	3.8	3.8
152°	4.1	3.9	3.5	3.3	3.3	3.4	3.1	2.9	3.2	3.8	3.9
152.5°	4.0	3.8	3.5	3.3	3.4	3.4	3.1	2.9	3.0	3.7	3.9
153°	3.9	3.7	3.4	3.2	3.3	3.3	3.1	2.8	2.8	3.6	3.9
153.5°	3.8	3.6	3.3	3.2	3.3	3.3	3.1	2.8	2.8	3.6	3.9
154°	3.7	3.5	3.3	3.2	3.3	3.3	3.1	2.7	2.8	3.5	3.9
154.5°	3.6	3.4	3.2	3.2	3.3	3.3	3.1	2.8	2.7	3.4	3.9
155°	3.6	3.4	3.2	3.2	3.3	3.2	3.1	2.7	2.7	3.2	3.7
155.5°	3.5	3.3	3.1	3.2	3.2	3.1	3.0	2.6	2.6	3.1	3.5
156°	3.4	3.2	3.1	3.2	3.2	3.0	2.9	2.5	2.6	3.0	3.4



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



TEST NUMBER: P563552
 CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2
0.5°	1411.7	1411.7	1411.8	1411.8	1411.8	1411.8	1411.8	1411.9	1411.9	1411.9	1411.9
1°	1411.3	1411.3	1411.1	1410.8	1410.5	1410.3	1410.5	1410.7	1411.1	1411.4	1411.6
1.5°	1410.5	1410.6	1410.6	1410.4	1410.3	1410.3	1410.4	1410.6	1410.8	1410.9	1411.1
2°	1409.3	1409.3	1409.2	1408.9	1408.7	1408.7	1408.8	1409.2	1409.6	1409.9	1410.0
2.5°	1408.5	1408.4	1407.8	1407.2	1407.2	1407.5	1407.5	1407.6	1408.1	1408.7	1409.1
3°	1407.2	1407.0	1406.2	1406.0	1406.2	1406.4	1406.3	1406.3	1406.7	1407.3	1407.5
3.5°	1405.0	1404.8	1404.7	1404.2	1404.3	1404.8	1405.0	1405.2	1405.6	1406.1	1406.6
4°	1403.9	1403.7	1403.1	1402.6	1402.8	1403.3	1403.5	1403.6	1403.7	1404.3	1404.8
4.5°	1401.7	1401.4	1401.3	1401.3	1401.2	1401.0	1401.1	1401.5	1401.8	1402.7	1403.7
5°	1400.0	1399.7	1399.0	1398.6	1398.2	1398.0	1398.6	1399.3	1400.2	1401.3	1402.5
5.5°	1398.2	1397.5	1397.0	1396.4	1396.2	1396.5	1396.5	1397.1	1398.2	1399.6	1400.9
6°	1395.6	1395.0	1394.6	1394.2	1394.1	1393.8	1393.8	1394.3	1395.6	1396.7	1398.4
6.5°	1393.1	1392.2	1391.7	1391.4	1391.1	1391.4	1391.4	1392.2	1393.3	1394.6	1396.5
7°	1391.2	1390.2	1389.0	1388.3	1388.5	1388.8	1389.1	1389.8	1391.1	1392.1	1394.6
7.5°	1388.8	1387.8	1386.1	1385.7	1385.2	1384.6	1385.4	1386.6	1387.9	1389.6	1391.9
8°	1385.6	1384.8	1383.3	1382.4	1381.9	1382.0	1382.4	1383.5	1384.9	1386.5	1389.2
8.5°	1382.5	1380.9	1380.1	1379.3	1378.5	1378.8	1379.0	1380.3	1382.1	1383.7	1386.4
9°	1379.0	1377.7	1376.7	1375.6	1375.4	1375.3	1375.4	1376.6	1378.8	1381.2	1384.3
9.5°	1376.2	1374.6	1372.7	1372.0	1371.6	1371.4	1371.6	1373.1	1375.2	1377.8	1381.1
10°	1373.8	1371.2	1369.4	1368.2	1367.8	1367.8	1367.7	1369.2	1371.8	1374.6	1377.7
10.5°	1369.8	1367.6	1365.4	1364.0	1363.4	1362.8	1363.8	1365.6	1368.0	1371.1	1374.9
11°	1365.8	1363.6	1361.4	1360.1	1359.3	1359.2	1359.5	1361.2	1364.1	1367.0	1371.2
11.5°	1361.8	1359.4	1357.1	1355.6	1355.0	1354.4	1355.3	1357.0	1360.0	1364.0	1367.0
12°	1358.4	1355.1	1352.6	1351.2	1350.2	1349.9	1351.1	1353.1	1356.0	1360.2	1364.3
12.5°	1354.6	1351.1	1348.5	1346.9	1345.9	1344.9	1346.3	1348.4	1351.5	1355.7	1360.8
13°	1350.4	1346.4	1343.7	1341.8	1340.2	1339.8	1341.5	1343.5	1346.6	1351.3	1356.1
13.5°	1345.4	1341.5	1338.7	1336.5	1335.0	1334.8	1336.3	1338.3	1341.9	1346.5	1352.2
14°	1341.2	1337.0	1333.8	1331.5	1329.8	1330.3	1330.8	1333.3	1337.4	1342.7	1347.2
14.5°	1336.5	1331.7	1328.8	1326.5	1324.0	1324.4	1325.9	1328.1	1332.2	1337.8	1343.2
15°	1331.6	1326.9	1323.8	1320.8	1319.1	1318.8	1320.1	1323.0	1326.8	1332.5	1338.4
15.5°	1327.0	1322.0	1318.0	1314.8	1313.6	1312.8	1314.3	1317.2	1321.7	1327.4	1333.7
16°	1322.0	1316.7	1312.3	1308.8	1306.8	1306.7	1308.1	1311.3	1315.9	1321.9	1328.4
16.5°	1316.6	1311.2	1306.6	1303.0	1301.1	1301.3	1302.4	1305.4	1310.5	1316.5	1323.1
17°	1311.2	1305.6	1301.0	1297.3	1295.3	1294.9	1296.3	1299.4	1304.6	1311.5	1318.0
17.5°	1305.7	1299.8	1295.1	1291.2	1288.9	1288.3	1290.2	1293.1	1298.4	1305.7	1313.2
18°	1299.9	1293.7	1288.7	1284.5	1282.1	1281.3	1282.8	1287.2	1292.6	1299.7	1307.6
18.5°	1294.0	1287.8	1282.1	1277.5	1275.5	1275.1	1276.6	1280.8	1286.8	1293.9	1301.9
19°	1288.6	1281.2	1275.3	1270.8	1269.2	1267.7	1269.3	1273.7	1279.7	1287.6	1295.4
19.5°	1281.8	1274.7	1268.7	1264.0	1262.1	1260.8	1262.6	1266.6	1272.9	1281.6	1289.8
20°	1276.0	1268.6	1262.1	1257.0	1254.3	1253.8	1256.0	1260.0	1266.7	1275.2	1284.6
20.5°	1269.7	1261.9	1255.4	1249.8	1246.6	1246.3	1248.6	1253.3	1260.0	1268.8	1278.5
21°	1263.0	1255.2	1248.3	1242.4	1239.0	1238.8	1241.1	1245.8	1253.1	1262.4	1271.8



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1242.9	1233.7	1226.0	1220.1	1215.8	1215.2	1217.2	1222.3	1230.7	1241.6	1252.0
23°	1236.2	1226.4	1218.6	1212.1	1208.0	1207.7	1209.3	1214.8	1223.5	1234.4	1245.7
23.5°	1228.8	1218.6	1210.5	1204.0	1200.4	1198.9	1201.0	1206.7	1215.8	1226.7	1238.5
24°	1221.7	1211.2	1202.5	1195.2	1191.7	1190.2	1192.2	1198.8	1207.6	1219.1	1231.0
24.5°	1214.2	1203.7	1194.2	1186.7	1183.2	1181.3	1184.3	1191.3	1200.3	1211.6	1224.0
25°	1207.7	1195.9	1186.8	1178.8	1175.1	1172.8	1175.8	1182.9	1192.3	1204.0	1216.4
25.5°	1199.1	1187.7	1178.5	1170.3	1165.7	1164.2	1167.0	1173.8	1183.6	1195.9	1209.3
26°	1191.3	1179.5	1169.6	1161.8	1157.2	1155.2	1158.3	1165.2	1175.8	1188.4	1201.9
26.5°	1183.5	1171.5	1160.8	1152.9	1148.5	1146.3	1148.8	1156.5	1167.2	1180.3	1193.9
27°	1176.0	1163.7	1152.5	1143.5	1138.9	1137.6	1140.0	1147.4	1158.6	1171.8	1186.0
27.5°	1167.8	1154.5	1143.6	1134.3	1129.1	1128.5	1131.0	1138.3	1149.7	1163.9	1177.7
28°	1159.1	1146.1	1134.9	1125.2	1120.3	1118.8	1122.0	1130.0	1141.3	1155.3	1170.2
28.5°	1151.2	1138.0	1126.1	1116.7	1111.0	1109.3	1112.2	1120.5	1132.5	1146.5	1161.2
29°	1142.9	1128.8	1116.9	1106.8	1101.2	1100.4	1103.4	1110.7	1122.7	1137.5	1153.0
29.5°	1134.3	1119.7	1107.6	1097.4	1091.9	1090.1	1092.6	1101.4	1113.9	1129.3	1145.2
30°	1125.6	1110.7	1098.3	1087.9	1081.8	1080.3	1083.7	1092.2	1104.8	1120.6	1136.6
30.5°	1116.7	1101.9	1088.9	1078.2	1072.6	1070.4	1073.7	1082.3	1095.2	1111.2	1127.7
31°	1107.9	1092.7	1079.5	1068.7	1062.7	1060.5	1064.2	1073.0	1085.9	1102.0	1119.3
31.5°	1098.8	1083.4	1070.0	1058.8	1052.4	1050.3	1054.1	1063.3	1076.7	1093.2	1110.2
32°	1089.6	1074.3	1060.5	1048.5	1042.1	1040.0	1043.9	1053.1	1067.4	1084.0	1101.4
32.5°	1081.1	1065.0	1050.6	1038.2	1031.9	1029.7	1033.7	1042.9	1057.6	1074.9	1092.4
33°	1071.6	1055.1	1040.8	1027.9	1021.6	1019.5	1023.5	1032.8	1047.6	1065.6	1083.5
33.5°	1061.9	1045.2	1030.9	1017.5	1011.3	1009.2	1013.3	1022.6	1037.5	1056.0	1074.3
34°	1053.8	1035.5	1021.1	1007.8	1000.4	998.8	1002.3	1012.3	1027.5	1046.3	1065.1
34.5°	1043.9	1025.8	1011.1	998.1	990.2	987.9	992.0	1002.4	1017.5	1036.5	1056.1
35°	1034.0	1015.8	1000.2	987.6	979.8	977.3	981.7	992.3	1007.5	1026.8	1046.6
35.5°	1024.2	1005.9	990.0	977.2	969.3	966.8	971.1	982.0	997.2	1017.0	1037.0
36°	1014.4	996.0	980.1	966.2	958.3	956.0	960.2	970.6	986.9	1007.2	1027.5
36.5°	1004.4	985.8	969.0	955.6	947.2	945.4	949.5	960.4	976.4	996.6	1018.0
37°	994.3	975.0	958.7	945.2	936.4	934.0	938.5	950.0	966.0	986.4	1008.0
37.5°	984.3	964.7	948.2	934.5	926.3	923.3	927.9	939.0	955.2	976.0	998.0
38°	973.9	954.2	937.4	923.1	914.8	912.9	916.8	928.5	945.1	965.8	987.4
38.5°	963.7	944.0	926.7	912.6	904.1	901.2	906.1	917.6	934.5	955.7	977.4
39°	953.6	933.7	915.9	901.6	893.3	890.7	895.5	907.0	923.9	945.3	967.4
39.5°	943.1	923.4	905.5	890.8	882.6	879.5	884.0	895.9	913.1	934.7	957.4
40°	933.1	912.6	894.8	880.1	871.2	868.6	873.3	885.1	902.2	924.2	947.0
40.5°	922.7	901.9	884.0	869.1	860.0	857.5	861.8	873.7	892.0	913.6	937.0
41°	912.3	891.2	873.0	857.7	849.1	846.4	851.4	863.3	880.9	903.2	926.3
41.5°	901.6	880.7	862.3	847.2	838.1	835.6	839.9	852.4	870.3	892.6	915.9
42°	890.8	869.7	851.1	836.2	826.6	824.2	829.2	841.1	859.3	881.6	906.0
42.5°	880.7	859.3	840.3	825.1	815.7	813.3	817.9	830.3	848.8	870.7	894.8
43°	870.2	848.2	829.6	814.1	804.3	802.5	807.3	819.5	837.9	860.4	884.5
43.5°	859.3	837.6	818.5	802.8	793.8	791.1	795.9	808.0	826.4	849.8	873.8



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	826.9	804.4	785.3	769.9	760.9	757.7	762.4	775.2	793.4	817.2	841.9
45.5°	816.1	793.8	774.9	758.8	749.6	746.9	751.8	764.3	782.6	806.2	830.9
46°	805.3	783.1	763.5	748.0	738.5	736.3	741.0	753.6	772.1	795.3	820.3
46.5°	794.3	772.1	752.7	737.0	727.6	725.2	729.9	742.8	761.3	784.4	809.2
47°	783.6	760.9	741.6	726.0	716.4	714.1	719.1	731.4	750.2	773.4	798.8
47.5°	772.4	750.0	730.9	715.1	705.6	703.4	708.1	720.6	739.1	762.5	787.7
48°	761.2	739.4	719.5	704.1	695.0	692.2	696.8	709.5	728.2	751.4	776.6
48.5°	750.2	728.3	709.0	693.5	684.3	681.4	686.4	698.7	717.2	740.6	765.4
49°	739.5	717.2	698.0	682.8	673.1	670.6	675.8	688.2	706.9	730.1	754.5
49.5°	729.1	706.3	687.5	672.1	662.3	660.3	664.9	677.4	695.5	719.0	744.0
50°	717.2	695.5	676.3	661.0	651.6	649.3	654.6	666.4	685.2	707.9	733.2
50.5°	706.8	684.5	664.9	650.1	641.3	638.8	643.2	655.4	674.1	696.9	722.1
51°	695.6	673.3	654.7	639.7	630.4	628.7	633.0	645.0	663.0	686.1	711.4
51.5°	684.4	662.6	644.1	629.2	619.8	617.9	622.6	634.8	652.6	675.4	700.2
52°	673.2	652.1	633.5	618.7	609.4	607.3	612.1	624.4	642.1	665.0	689.3
52.5°	662.4	641.3	622.8	608.0	599.2	597.4	601.5	613.8	631.6	654.1	678.3
53°	651.5	630.5	611.8	597.4	588.7	587.0	591.3	603.2	620.8	643.2	667.5
53.5°	640.7	619.7	601.1	587.0	578.2	576.4	581.3	592.5	610.4	632.5	657.1
54°	629.8	609.1	590.5	576.7	568.0	565.7	570.5	581.9	599.6	621.7	646.1
54.5°	618.9	598.0	580.0	566.2	557.7	556.0	560.7	571.7	589.2	610.9	634.8
55°	607.9	587.0	569.7	556.1	547.4	545.7	550.2	561.6	578.6	600.5	624.0
55.5°	597.3	576.6	559.2	545.7	537.8	535.9	540.4	551.3	568.2	589.8	612.9
56°	586.2	565.9	548.6	535.6	527.6	526.0	530.3	540.9	557.6	579.2	602.3
56.5°	575.2	555.1	538.6	525.6	517.3	515.7	520.4	531.1	547.6	568.6	591.3
57°	564.5	544.7	528.0	515.4	507.5	506.1	510.5	521.3	537.1	557.8	580.6
57.5°	553.3	534.4	518.1	505.2	497.6	496.0	500.2	510.8	527.0	547.2	569.6
58°	542.7	523.7	507.7	495.3	488.1	486.4	490.7	500.9	516.6	536.6	559.0
58.5°	531.8	513.5	497.7	485.3	478.2	476.9	481.0	491.0	506.7	526.4	548.6
59°	521.1	503.1	487.4	475.7	468.3	467.0	471.2	481.3	496.5	516.1	537.8
59.5°	510.5	492.5	477.6	465.7	458.5	457.4	462.0	471.5	486.7	505.6	527.1
60°	499.7	482.4	467.8	455.8	449.4	448.3	452.2	461.7	476.5	495.3	516.1
60.5°	489.2	472.1	457.6	446.2	439.7	438.5	442.5	451.9	466.7	485.0	505.2
61°	478.3	461.9	447.6	436.6	430.2	429.2	432.9	442.4	456.7	474.8	495.0
61.5°	467.8	451.7	438.0	427.4	421.4	419.9	423.9	433.0	447.0	464.6	484.1
62°	456.9	441.5	428.4	417.7	411.6	410.8	414.5	423.7	437.1	454.6	473.6
62.5°	446.8	431.5	418.5	408.2	402.3	401.7	405.3	414.1	427.5	444.5	463.1
63°	436.4	421.6	408.5	398.7	393.3	392.4	396.0	404.7	417.7	434.4	452.7
63.5°	426.1	411.4	398.9	389.4	384.3	383.4	387.0	395.4	408.1	424.5	442.5
64°	415.4	401.5	389.9	380.3	375.3	374.5	377.8	386.2	398.4	414.6	431.9
64.5°	405.1	391.6	380.2	371.0	366.0	365.6	369.0	377.0	389.0	404.5	421.7
65°	394.9	381.8	370.7	362.1	357.4	356.6	360.2	368.0	379.7	394.7	411.3
65.5°	384.6	372.1	361.7	353.2	348.5	347.9	351.4	358.9	370.6	384.9	401.1
66°	374.7	362.4	352.5	343.9	339.4	338.9	342.1	349.7	361.0	375.3	390.8



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	343.9	333.3	324.4	317.5	313.7	313.2	316.4	323.3	333.3	346.2	360.1
68°	333.9	323.9	315.3	308.6	305.2	305.0	308.0	314.6	324.1	336.7	350.4
68.5°	324.2	314.4	306.3	300.1	296.8	296.3	299.4	306.0	315.3	327.3	340.6
69°	314.2	305.0	297.5	291.6	288.4	288.2	291.0	297.3	306.3	317.9	330.8
69.5°	304.4	295.8	288.5	282.9	279.7	279.7	282.5	288.7	297.4	308.4	320.7
70°	294.8	286.6	279.8	274.3	271.7	271.8	274.4	280.2	288.4	299.0	310.7
70.5°	284.7	277.4	271.0	266.2	263.6	263.7	266.3	271.7	279.6	289.9	300.7
71°	275.2	268.2	262.5	257.9	255.5	255.6	258.1	263.4	271.1	280.6	291.4
71.5°	265.7	259.2	253.9	249.6	247.4	247.5	250.1	255.1	262.5	271.6	281.5
72°	256.2	250.4	245.4	241.5	239.5	239.9	242.2	247.0	254.0	262.7	272.1
72.5°	246.7	241.4	236.9	233.4	231.7	231.9	234.4	239.0	245.5	253.6	262.4
73°	237.5	232.7	228.5	225.4	223.8	224.2	226.4	230.9	236.8	244.8	253.5
73.5°	228.2	224.0	220.1	217.4	216.2	216.4	218.8	222.8	228.7	235.9	243.8
74°	218.9	215.3	212.2	209.8	208.5	209.3	211.1	215.0	220.5	227.3	234.5
74.5°	209.8	206.8	204.0	202.2	201.1	201.7	203.7	207.4	212.4	218.6	225.2
75°	201.0	198.5	196.2	194.4	193.6	194.3	196.2	199.5	204.3	210.0	216.4
75.5°	192.2	190.2	188.1	186.9	186.3	187.0	188.7	191.9	196.2	201.5	207.4
76°	183.3	182.0	180.6	179.4	178.9	179.7	181.4	184.5	188.6	193.2	198.5
76.5°	174.7	173.8	172.9	172.1	171.9	172.6	174.3	177.1	180.7	184.9	189.6
77°	166.3	165.8	165.5	165.0	164.8	165.6	167.3	169.8	173.1	176.8	181.0
77.5°	157.7	158.0	157.9	158.0	158.1	158.9	160.5	162.6	165.6	168.8	172.0
78°	149.6	150.5	150.7	151.0	151.5	152.2	153.6	155.7	158.3	161.0	163.8
78.5°	141.7	143.1	143.7	144.1	144.8	145.7	147.0	148.8	150.9	153.3	155.4
79°	133.7	135.6	136.7	137.6	138.3	139.2	140.5	142.1	143.8	145.6	147.4
79.5°	126.2	128.5	130.1	131.2	132.0	133.0	134.3	135.5	136.9	138.2	139.1
80°	118.8	121.9	123.9	125.1	126.2	127.0	128.0	129.0	130.3	130.9	131.4
80.5°	111.4	115.2	117.6	119.3	120.5	121.3	122.2	123.0	124.0	124.0	124.1
81°	104.0	108.6	111.4	113.4	114.7	115.6	116.4	117.1	117.8	117.4	116.8
81.5°	97.1	101.9	105.1	107.5	109.0	109.9	110.7	111.3	111.5	110.7	109.4
82°	90.7	95.5	99.0	101.6	103.2	104.2	104.9	105.5	105.2	104.0	102.1
82.5°	84.1	89.5	93.2	96.0	97.9	98.9	99.6	99.7	99.0	97.6	95.0
83°	77.8	83.5	87.7	90.6	92.6	93.7	94.3	94.2	93.2	91.3	88.4
83.5°	71.8	77.8	82.3	85.4	87.3	88.5	89.1	88.8	87.7	85.3	81.9
84°	66.0	72.3	77.0	80.3	82.4	83.6	84.1	83.7	82.2	79.5	75.7
84.5°	60.5	67.2	72.0	75.4	77.6	78.8	79.2	78.6	77.0	73.9	69.5
85°	55.3	62.1	67.1	70.7	73.1	74.2	74.5	73.8	71.8	68.6	63.9
85.5°	50.3	57.3	62.5	66.2	68.5	69.6	69.8	69.1	67.0	63.5	58.5
86°	45.7	52.6	58.0	61.9	64.2	65.4	65.7	64.7	62.2	58.5	53.3
86.5°	41.2	48.4	53.9	57.7	60.1	61.3	61.4	60.3	57.9	53.8	48.3
87°	37.2	44.4	49.8	53.8	56.3	57.4	57.5	56.2	53.6	49.5	43.7
87.5°	33.4	40.5	46.1	50.1	52.5	53.7	53.6	52.4	49.6	45.3	39.4
88°	30.0	37.0	42.6	46.6	49.0	50.1	50.1	48.7	45.8	41.5	35.4
88.5°	26.8	33.8	39.2	43.2	45.6	46.7	46.6	45.2	42.3	37.8	31.7



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	19.1	25.4	30.6	34.4	36.8	37.8	37.6	36.0	32.9	28.4	22.4
90.5°	17.2	23.2	28.2	31.9	34.3	35.2	34.9	33.3	30.3	25.8	20.0
91°	15.4	21.1	26.0	29.6	31.9	32.8	32.5	30.9	27.9	23.4	17.8
91.5°	14.0	19.4	24.0	27.5	29.7	30.6	30.2	28.6	25.6	21.3	16.0
92°	13.1	17.8	22.2	25.5	27.7	28.5	28.2	26.5	23.6	19.5	14.3
92.5°	12.3	16.5	20.6	23.8	25.9	26.6	26.3	24.7	21.8	17.9	13.3
93°	11.4	15.3	19.2	22.3	24.2	24.9	24.6	23.0	20.2	16.4	12.4
93.5°	10.6	14.3	18.1	20.9	22.7	23.4	23.1	21.6	18.9	15.2	11.5
94°	9.7	13.6	17.0	19.7	21.4	22.1	21.7	20.2	17.7	14.2	10.5
94.5°	9.3	12.9	16.2	18.7	20.4	20.9	20.5	19.1	16.6	13.4	9.6
95°	8.9	12.3	15.4	17.8	19.3	19.9	19.5	18.1	15.7	12.6	9.1
95.5°	8.6	11.9	14.7	17.0	18.5	18.9	18.5	17.2	14.9	12.0	8.7
96°	8.3	11.5	14.1	16.3	17.6	18.1	17.7	16.4	14.3	11.5	8.4
96.5°	8.1	11.1	13.6	15.6	16.9	17.4	17.0	15.8	13.7	11.1	8.1
97°	7.9	10.8	13.2	15.1	16.3	16.7	16.4	15.2	13.2	10.7	7.7
97.5°	7.7	10.5	12.8	14.6	15.7	16.1	15.8	14.7	12.9	10.3	7.4
98°	7.6	10.1	12.4	14.1	15.2	15.6	15.3	14.3	12.5	9.8	7.1
98.5°	7.5	9.9	12.0	13.7	14.8	15.2	14.9	13.9	12.1	9.5	6.8
99°	7.4	9.7	11.7	13.3	14.3	14.7	14.4	13.4	11.7	9.1	6.7
99.5°	7.3	9.5	11.5	13.0	13.9	14.3	14.0	13.0	11.3	8.8	6.6
100°	7.2	9.4	11.2	12.7	13.6	13.9	13.6	12.6	11.0	8.6	6.5
100.5°	7.1	9.3	11.0	12.4	13.3	13.6	13.2	12.2	10.6	8.5	6.5
101°	7.0	9.1	10.9	12.2	13.0	13.3	12.9	11.9	10.3	8.4	6.4
101.5°	6.9	9.0	10.7	11.9	12.7	13.0	12.6	11.6	10.0	8.2	6.3
102°	6.7	8.9	10.5	11.7	12.4	12.7	12.3	11.3	9.9	8.1	6.2
102.5°	6.6	8.8	10.3	11.5	12.2	12.4	12.0	11.2	9.8	8.1	6.1
103°	6.5	8.6	10.2	11.4	12.0	12.3	11.9	11.1	9.6	8.0	5.9
103.5°	6.3	8.5	10.0	11.2	11.8	12.1	11.7	10.9	9.5	7.9	5.8
104°	6.2	8.3	9.9	11.0	11.7	11.9	11.6	10.8	9.4	7.8	5.6
104.5°	6.1	8.2	9.7	10.8	11.5	11.7	11.4	10.6	9.3	7.6	5.4
105°	5.9	8.0	9.6	10.7	11.3	11.6	11.3	10.5	9.2	7.5	5.3
105.5°	5.8	7.8	9.4	10.5	11.2	11.5	11.2	10.3	9.1	7.3	5.1
106°	5.7	7.7	9.2	10.3	11.0	11.3	11.1	10.2	8.9	7.1	5.0
106.5°	5.5	7.5	9.1	10.2	10.8	11.2	10.9	10.1	8.8	6.9	4.8
107°	5.4	7.4	8.8	10.0	10.6	11.0	10.7	9.9	8.6	6.7	4.7
107.5°	5.3	7.2	8.6	9.8	10.4	10.8	10.5	9.7	8.4	6.5	4.6
108°	5.2	7.0	8.5	9.6	10.3	10.6	10.3	9.5	8.1	6.4	4.5
108.5°	5.0	6.9	8.3	9.4	10.1	10.4	10.1	9.3	7.9	6.2	4.4
109°	4.9	6.8	8.2	9.2	9.9	10.2	9.9	9.1	7.7	6.0	4.2
109.5°	4.7	6.6	8.0	9.0	9.6	9.9	9.7	8.8	7.5	5.9	4.1
110°	4.6	6.4	7.8	8.8	9.4	9.7	9.5	8.6	7.3	5.7	4.0
110.5°	4.5	6.3	7.6	8.6	9.2	9.5	9.2	8.4	7.1	5.6	3.9
111°	4.3	6.1	7.4	8.4	9.0	9.2	9.0	8.2	6.9	5.5	3.8



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	3.8	5.6	7.0	7.8	8.4	8.6	8.4	7.6	6.4	5.1	3.4
113°	3.7	5.4	6.8	7.6	8.2	8.4	8.2	7.4	6.2	5.0	3.3
113.5°	3.6	5.3	6.6	7.5	8.0	8.2	8.0	7.2	6.1	4.8	3.2
114°	3.4	5.1	6.5	7.3	7.8	8.0	7.8	7.1	5.9	4.7	3.1
114.5°	3.3	4.9	6.3	7.2	7.6	7.8	7.6	6.9	5.8	4.6	3.0
115°	3.2	4.7	6.1	7.0	7.5	7.6	7.4	6.7	5.6	4.4	2.9
115.5°	3.2	4.6	6.0	6.8	7.3	7.4	7.2	6.5	5.5	4.3	2.8
116°	3.1	4.4	5.8	6.7	7.1	7.2	7.1	6.3	5.3	4.1	2.8
116.5°	3.1	4.2	5.6	6.5	7.0	7.1	6.9	6.1	5.1	4.0	2.7
117°	3.0	4.1	5.4	6.3	6.8	6.9	6.7	6.0	5.0	3.8	2.7
117.5°	3.0	3.9	5.2	6.2	6.7	6.7	6.5	5.8	4.8	3.7	2.6
118°	2.9	3.8	5.0	6.0	6.5	6.6	6.3	5.6	4.6	3.6	2.6
118.5°	2.9	3.7	4.8	5.8	6.3	6.4	6.2	5.5	4.4	3.5	2.5
119°	2.8	3.6	4.6	5.6	6.1	6.2	6.0	5.3	4.3	3.4	2.4
119.5°	2.7	3.5	4.4	5.4	5.9	6.0	5.8	5.1	4.1	3.3	2.2
120°	2.6	3.4	4.3	5.1	5.7	5.9	5.6	4.9	3.9	3.2	2.2
120.5°	2.5	3.3	4.1	5.0	5.5	5.7	5.4	4.7	3.8	3.1	2.1
121°	2.3	3.2	4.0	4.8	5.3	5.4	5.2	4.5	3.7	3.0	2.1
121.5°	2.3	3.2	3.9	4.6	5.1	5.2	5.0	4.4	3.6	2.9	2.0
122°	2.3	3.1	3.8	4.4	4.9	5.0	4.8	4.2	3.5	2.9	2.0
122.5°	2.4	3.1	3.7	4.3	4.7	4.8	4.6	4.1	3.4	2.8	2.1
123°	2.4	3.0	3.6	4.1	4.5	4.6	4.4	4.0	3.3	2.6	2.1
123.5°	2.4	2.9	3.5	4.0	4.4	4.5	4.3	3.8	3.2	2.5	2.2
124°	2.5	2.8	3.4	3.9	4.2	4.3	4.2	3.7	3.1	2.3	2.2
124.5°	2.5	2.6	3.3	3.8	4.1	4.2	4.0	3.6	3.0	2.2	2.2
125°	2.6	2.5	3.2	3.7	4.0	4.1	3.9	3.5	3.0	2.1	2.3
125.5°	2.6	2.3	3.1	3.6	3.9	3.9	3.8	3.4	2.9	2.0	2.3
126°	2.7	2.2	3.0	3.5	3.8	3.8	3.7	3.4	2.7	1.9	2.3
126.5°	2.7	2.3	2.9	3.4	3.7	3.7	3.6	3.3	2.6	1.9	2.4
127°	2.8	2.3	2.8	3.3	3.6	3.6	3.5	3.2	2.5	1.9	2.4
127.5°	2.8	2.3	2.7	3.2	3.5	3.5	3.5	3.1	2.3	2.0	2.4
128°	2.9	2.4	2.5	3.1	3.4	3.5	3.4	3.0	2.2	2.0	2.4
128.5°	2.9	2.4	2.4	3.0	3.3	3.4	3.3	2.9	2.2	2.1	2.4
129°	3.0	2.5	2.3	2.8	3.2	3.3	3.2	2.7	2.1	2.1	2.4
129.5°	3.0	2.5	2.2	2.7	3.1	3.2	3.1	2.5	2.0	2.1	2.5
130°	3.0	2.5	2.3	2.6	2.9	3.0	2.9	2.4	2.1	2.2	2.5
130.5°	3.0	2.6	2.3	2.4	2.8	2.9	2.7	2.3	2.1	2.2	2.5
131°	3.1	2.6	2.3	2.3	2.7	2.7	2.6	2.2	2.1	2.2	2.5
131.5°	3.1	2.7	2.4	2.2	2.5	2.6	2.5	2.2	2.2	2.3	2.5
132°	3.1	2.7	2.4	2.2	2.4	2.5	2.3	2.2	2.2	2.3	2.5
132.5°	3.2	2.8	2.5	2.3	2.2	2.3	2.2	2.2	2.2	2.4	2.6
133°	3.2	2.8	2.5	2.3	2.2	2.2	2.2	2.2	2.3	2.4	2.7
133.5°	3.3	2.9	2.5	2.3	2.2	2.2	2.2	2.2	2.3	2.5	2.8



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1412.2	1412.2	1412.2	1412.2
0.5°	1411.9	1411.9	1411.9	1411.9
1°	1411.7	1411.7	1411.7	1411.7
1.5°	1411.4	1411.5	1411.5	1411.7
2°	1410.2	1410.8	1411.3	1411.5
2.5°	1409.0	1409.3	1410.5	1411.0
3°	1407.9	1408.8	1409.9	1410.0
3.5°	1407.3	1408.6	1408.9	1409.0
4°	1406.3	1407.8	1407.8	1408.4
4.5°	1404.3	1405.9	1406.3	1406.9
5°	1403.2	1404.2	1405.4	1406.0
5.5°	1402.2	1402.7	1404.1	1405.1
6°	1399.9	1401.8	1402.5	1404.0
6.5°	1397.8	1399.0	1400.9	1402.5
7°	1396.7	1397.1	1399.8	1401.1
7.5°	1394.1	1395.8	1396.7	1399.1
8°	1391.4	1393.3	1395.6	1397.7
8.5°	1388.5	1390.7	1393.6	1395.0
9°	1386.3	1388.2	1391.0	1393.5
9.5°	1383.6	1385.7	1388.4	1391.0
10°	1380.2	1382.4	1386.0	1388.2
10.5°	1377.4	1380.3	1382.7	1385.6
11°	1374.1	1377.9	1380.8	1382.7
11.5°	1370.8	1374.5	1378.1	1379.7
12°	1367.6	1371.2	1375.3	1376.8
12.5°	1363.7	1367.7	1371.8	1374.1
13°	1359.8	1364.0	1368.4	1370.9
13.5°	1356.0	1360.3	1365.2	1367.2
14°	1352.0	1356.7	1361.2	1363.8
14.5°	1347.7	1353.4	1357.4	1360.4
15°	1343.4	1348.9	1353.5	1356.4
15.5°	1338.7	1344.4	1349.4	1352.8
16°	1334.0	1340.1	1345.8	1348.5
16.5°	1329.2	1335.4	1341.9	1343.6
17°	1324.6	1330.8	1337.0	1339.2
17.5°	1319.6	1326.2	1331.8	1335.4
18°	1314.8	1321.7	1327.2	1331.3
18.5°	1309.7	1316.9	1322.6	1326.1
19°	1304.1	1311.7	1317.8	1321.2
19.5°	1297.9	1306.4	1312.7	1316.2
20°	1292.3	1300.9	1307.3	1311.3
20.5°	1286.9	1295.1	1302.1	1306.3
21°	1281.4	1289.2	1296.4	1301.3



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1262.1	1271.7	1279.7	1284.0
23°	1255.6	1265.6	1273.5	1278.8
23.5°	1249.1	1259.0	1267.2	1272.4
24°	1242.4	1252.8	1261.1	1266.3
24.5°	1235.4	1246.2	1254.9	1260.5
25°	1228.6	1239.3	1248.6	1254.3
25.5°	1221.0	1232.8	1241.7	1247.5
26°	1214.5	1225.8	1235.0	1241.0
26.5°	1207.0	1218.7	1228.2	1234.1
27°	1199.6	1211.6	1221.0	1227.3
27.5°	1191.7	1204.9	1214.0	1220.5
28°	1184.2	1196.9	1207.0	1213.2
28.5°	1176.2	1189.4	1199.6	1206.0
29°	1167.8	1181.7	1192.3	1199.4
29.5°	1160.5	1173.7	1184.5	1192.0
30°	1152.3	1166.3	1176.9	1184.1
30.5°	1143.8	1158.0	1169.3	1176.7
31°	1135.0	1150.2	1161.4	1169.2
31.5°	1127.1	1141.5	1153.3	1161.2
32°	1118.2	1133.2	1145.0	1152.7
32.5°	1109.7	1124.8	1136.8	1144.5
33°	1101.2	1116.7	1128.4	1136.7
33.5°	1092.7	1108.6	1120.0	1128.2
34°	1083.2	1099.6	1111.5	1119.5
34.5°	1074.4	1090.4	1102.6	1110.6
35°	1065.5	1081.9	1094.2	1102.4
35.5°	1056.1	1072.7	1085.3	1093.9
36°	1046.7	1063.8	1076.2	1085.0
36.5°	1037.4	1054.5	1068.0	1075.9
37°	1028.1	1045.1	1059.1	1067.0
37.5°	1018.8	1035.9	1050.1	1058.3
38°	1009.1	1026.6	1040.2	1049.6
38.5°	998.5	1017.3	1030.4	1039.9
39°	988.4	1007.5	1020.5	1029.8
39.5°	978.6	997.5	1010.9	1019.9
40°	968.8	987.8	1001.7	1010.2
40.5°	958.9	978.1	992.3	1001.1
41°	948.6	968.0	982.1	991.4
41.5°	938.5	957.6	972.5	981.3
42°	927.8	947.6	962.4	971.7
42.5°	917.5	937.6	952.1	961.9
43°	907.2	927.1	941.9	951.7
43.5°	896.8	916.7	932.0	941.1



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	864.9	885.9	900.9	910.2
45.5°	854.6	875.2	890.1	900.1
46°	843.7	864.7	879.6	889.3
46.5°	833.1	854.0	868.9	878.2
47°	822.7	843.4	858.4	867.5
47.5°	811.6	832.7	847.7	857.1
48°	801.0	821.4	836.7	846.7
48.5°	789.7	810.9	826.1	835.6
49°	779.0	800.1	815.4	825.2
49.5°	768.3	788.9	804.3	814.2
50°	757.0	777.9	793.2	803.2
50.5°	746.2	767.2	782.2	792.0
51°	735.7	755.9	771.4	781.1
51.5°	724.7	745.3	760.6	770.0
52°	713.3	734.0	749.0	759.2
52.5°	702.3	722.9	738.2	747.7
53°	691.2	711.8	726.8	736.6
53.5°	680.5	700.6	715.8	725.4
54°	669.5	689.5	704.5	714.3
54.5°	658.7	678.4	693.3	702.9
55°	647.8	667.4	682.1	691.3
55.5°	636.0	656.5	670.7	680.4
56°	625.1	644.6	659.2	668.7
56.5°	614.3	633.9	648.4	657.5
57°	603.5	622.6	636.9	646.6
57.5°	592.1	611.5	625.8	634.8
58°	581.1	599.8	614.1	623.3
58.5°	570.1	588.7	602.8	612.2
59°	559.6	577.4	591.5	600.5
59.5°	548.2	566.2	580.3	589.2
60°	537.2	554.9	569.0	577.5
60.5°	526.0	543.9	557.4	566.2
61°	515.4	532.8	545.9	554.7
61.5°	504.2	521.5	534.5	543.4
62°	493.4	510.3	523.1	531.8
62.5°	482.5	499.4	511.7	520.4
63°	471.9	488.0	500.3	508.9
63.5°	460.8	476.8	489.0	497.5
64°	449.7	465.7	477.5	485.9
64.5°	439.0	454.5	466.5	474.1
65°	428.6	443.2	455.1	462.5
65.5°	417.5	432.4	443.5	450.7
66°	407.3	421.5	432.2	439.0



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	375.2	388.4	398.6	404.8
68°	364.5	377.1	387.1	393.7
68.5°	353.9	366.4	375.6	382.1
69°	343.8	355.2	364.7	370.7
69.5°	333.3	344.3	353.3	359.4
70°	322.8	333.6	342.3	347.9
70.5°	312.4	322.8	331.1	336.6
71°	302.2	312.0	320.1	325.5
71.5°	291.9	301.2	308.9	314.2
72°	281.7	290.6	297.8	303.2
72.5°	271.5	280.1	286.6	292.1
73°	261.5	269.4	275.9	280.7
73.5°	251.8	259.1	265.1	269.4
74°	241.8	248.5	254.3	258.6
74.5°	231.8	238.1	243.5	247.7
75°	222.1	227.5	232.6	236.8
75.5°	212.5	217.6	221.9	225.8
76°	203.2	207.3	211.8	215.1
76.5°	193.6	197.5	201.1	204.5
77°	184.4	187.4	190.9	194.0
77.5°	175.0	177.8	180.5	183.3
78°	166.0	167.8	170.5	173.2
78.5°	157.2	158.5	160.2	162.8
79°	148.4	149.2	150.5	152.6
79.5°	139.8	140.1	141.1	142.6
80°	131.7	131.4	131.9	133.2
80.5°	123.7	122.7	122.7	123.4
81°	115.6	114.0	113.6	114.0
81.5°	107.6	105.3	104.4	104.7
82°	99.6	96.7	95.3	95.7
82.5°	92.0	88.7	86.7	86.4
83°	84.5	80.9	78.6	78.2
83.5°	77.5	73.2	70.4	70.0
84°	70.7	65.8	62.7	62.2
84.5°	64.3	58.9	55.2	54.4
85°	58.0	52.3	48.3	47.3
85.5°	52.3	46.0	41.5	41.1
86°	46.8	40.1	35.3	35.0
86.5°	41.6	34.6	29.4	28.8
87°	36.7	29.4	24.1	22.7
87.5°	32.3	24.8	20.3	17.4
88°	28.2	20.8	16.5	12.6
88.5°	24.5	18.0	12.7	8.5



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	15.7	9.8	3.6	2.7
90.5°	14.1	7.2	2.5	1.5
91°	12.6	5.9	1.8	0.3
91.5°	11.1	4.9	1.4	0.2
92°	9.5	4.3	1.2	0.2
92.5°	8.0	3.8	1.1	0.1
93°	7.3	3.6	1.0	0.1
93.5°	6.7	3.3	0.9	0.2
94°	6.3	3.1	0.9	0.2
94.5°	6.0	2.9	0.9	0.3
95°	5.7	2.8	0.9	0.3
95.5°	5.4	2.7	0.9	0.4
96°	5.1	2.7	0.9	0.4
96.5°	4.9	2.7	0.8	0.5
97°	4.7	2.7	0.8	0.5
97.5°	4.7	2.5	0.8	0.6
98°	4.6	2.4	0.8	0.6
98.5°	4.6	2.3	0.8	0.7
99°	4.6	2.3	0.8	0.7
99.5°	4.5	2.2	0.8	0.8
100°	4.5	2.2	0.9	0.9
100.5°	4.3	2.2	1.0	1.0
101°	4.2	2.2	1.0	1.1
101.5°	4.0	2.1	1.1	1.2
102°	3.9	2.1	1.1	1.2
102.5°	3.8	2.1	1.2	1.3
103°	3.6	2.0	1.3	1.4
103.5°	3.5	1.9	1.3	1.4
104°	3.4	1.8	1.4	1.4
104.5°	3.4	1.7	1.4	1.5
105°	3.3	1.7	1.5	1.5
105.5°	3.2	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°	2.8	1.5	1.8	1.5
108°	2.7	1.4	1.8	1.5
108.5°	2.6	1.4	1.9	1.5
109°	2.5	1.4	1.8	1.5
109.5°	2.4	1.4	1.7	1.5
110°	2.3	1.5	1.7	1.5
110.5°	2.2	1.5	1.7	1.5
111°	2.2	1.5	1.7	1.5



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

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



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P563552

CATALOG NUMBER: 4NWS3C3MS-NUV-LOW-3500K

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	2.4	2.4	2.4	2.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	1295.9	1298.9	1298.6	1296.2	1291.5	1285.9	1279.9	1274.9	1270.7	1268.6	1267.8
22°	1289.7	1293.1	1293.0	1290.2	1285.6	1279.7	1273.1	1268.0	1264.2	1261.3	1260.7



44°	930.9	934.3	930.0	920.1	904.1	884.6	864.6	847.5	835.0	828.7	829.6
44.5°	920.6	923.5	919.9	909.4	893.5	873.5	853.9	836.6	824.0	817.9	817.9



66.5°	427.5	431.5	430.5	424.5	414.8	401.3	388.9	378.0	370.1	365.5	364.2
67°	416.1	419.8	419.4	413.9	404.2	391.5	379.8	368.9	361.0	356.6	355.8



89°	5.2	10.3	19.6	30.3	40.4	47.3	52.9	56.2	57.4	56.9	54.8
89.5°	3.9	7.2	16.1	26.4	36.3	43.8	49.4	52.2	53.5	53.1	51.1



111.5°	1.5	1.5	1.3	1.1	1.5	2.3	3.4	4.4	5.1	5.3	5.1
112°	1.5	1.5	1.3	1.2	1.5	2.2	3.2	4.2	4.9	5.1	4.9



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



156.5°	1.5	2.3	2.7	2.6	2.6	2.7	2.8	3.1	3.3	3.4	3.4
157°	1.5	2.3	2.7	2.7	2.7	2.7	2.8	3.0	3.2	3.3	3.3



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





21.5°	1269.0	1272.3	1275.3	1279.0	1282.6	1284.1	1284.2	1282.6	1278.6	1272.6	1265.0
22°	1261.9	1265.0	1268.9	1273.0	1276.9	1278.1	1278.4	1276.8	1272.4	1266.3	1258.5



44°	835.6	848.1	864.1	879.2	892.7	902.4	906.2	904.6	898.0	885.9	868.2
44.5°	824.9	837.5	853.2	868.1	882.0	891.7	895.0	894.3	887.8	875.2	857.3



66.5°	366.9	372.5	380.1	387.9	394.7	399.2	398.2	397.4	392.6	385.6	375.4
67°	358.2	363.2	370.5	377.6	383.7	387.4	387.1	386.1	381.4	374.6	364.9



89°	51.2	46.0	39.5	30.1	20.2	10.8	4.4	0.7	3.6	10.0	16.4
89.5°	47.8	42.7	35.7	26.8	17.3	8.7	3.4	0.6	2.6	7.5	14.9



111.5°	4.4	3.5	2.6	1.9	2.0	2.4	2.9	2.6	3.0	2.3	2.6
112°	4.3	3.4	2.5	1.9	2.0	2.5	2.9	2.7	3.1	2.3	2.6



134°	2.8	3.2	3.7	4.5	4.6	3.6	3.2	3.0	3.7	3.9	3.6
134.5°	2.9	3.3	3.8	4.6	4.6	3.6	3.2	3.0	3.7	3.9	3.6



156.5°	3.3	3.2	3.1	3.2	3.2	3.0	2.8	2.5	2.6	3.0	3.3
157°	3.3	3.1	3.1	3.2	3.1	2.9	2.7	2.5	2.6	2.9	3.3



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





21.5°	1256.8	1247.9	1240.7	1234.6	1231.6	1230.9	1232.7	1238.1	1245.7	1255.6	1265.5
22°	1250.1	1240.5	1232.8	1227.5	1224.2	1222.8	1225.3	1230.0	1238.2	1248.2	1258.7



44°	848.4	826.6	807.3	791.8	782.4	779.9	784.8	797.0	815.7	838.3	863.4
44.5°	837.9	815.3	796.2	780.9	771.1	768.5	773.7	786.2	804.8	827.7	852.2



66.5°	364.2	352.6	342.6	335.0	330.7	330.3	333.6	340.9	351.6	365.5	380.7
67°	353.9	342.9	333.5	326.4	322.3	321.9	324.8	332.2	342.5	355.6	370.6



89°	24.0	30.7	36.1	40.0	42.5	43.6	43.4	41.9	38.9	34.4	28.3
89.5°	21.4	28.0	33.2	37.1	39.6	40.6	40.4	38.8	35.7	31.2	25.2



111.5°	4.2	5.9	7.3	8.2	8.8	9.0	8.8	8.0	6.7	5.3	3.7
112°	4.0	5.8	7.2	8.0	8.6	8.8	8.6	7.8	6.6	5.2	3.5



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°	3.4	2.9	2.6	2.4	2.3	2.2	2.3	2.3	2.4	2.6	3.0



156.5°	3.6	3.5	3.3	3.2	3.2	3.2	3.2	3.2	3.1	3.0	3.0
157°	3.7	3.5	3.4	3.3	3.2	3.2	3.2	3.2	3.1	3.1	3.0



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





21.5°	1275.1	1283.9	1290.7	1295.9
22°	1268.3	1278.3	1285.6	1289.7



44°	886.4	906.7	921.2	930.9
44.5°	876.4	896.0	911.2	920.6



66.5°	396.3	410.4	421.0	427.5
67°	385.6	399.4	410.0	416.1



89°	21.2	15.3	8.9	5.2
89.5°	18.2	12.5	5.3	3.9



111.5°	2.1	1.5	1.7	1.5
112°	2.1	1.6	1.8	1.5



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



156.5°	3.0	2.4	1.7	1.5
157°	3.0	2.3	1.7	1.5



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



(END OF REPORT)