

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: P563538

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

Issue Date: 7/18/2022



Test Information

Test Method: LM-79-08
Report Number: P563538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (s22030032e-01)
Test Lab: INNOVATION CENTER
Issue Date: 7/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4NWS3C3-NUV-LOW-5000K
Description: 4 FOOT NWS SELETABLE WRAP AT 3500K AND LOW LUMEN SETTING
Light Source: -
Ballast/Driver:

Summary

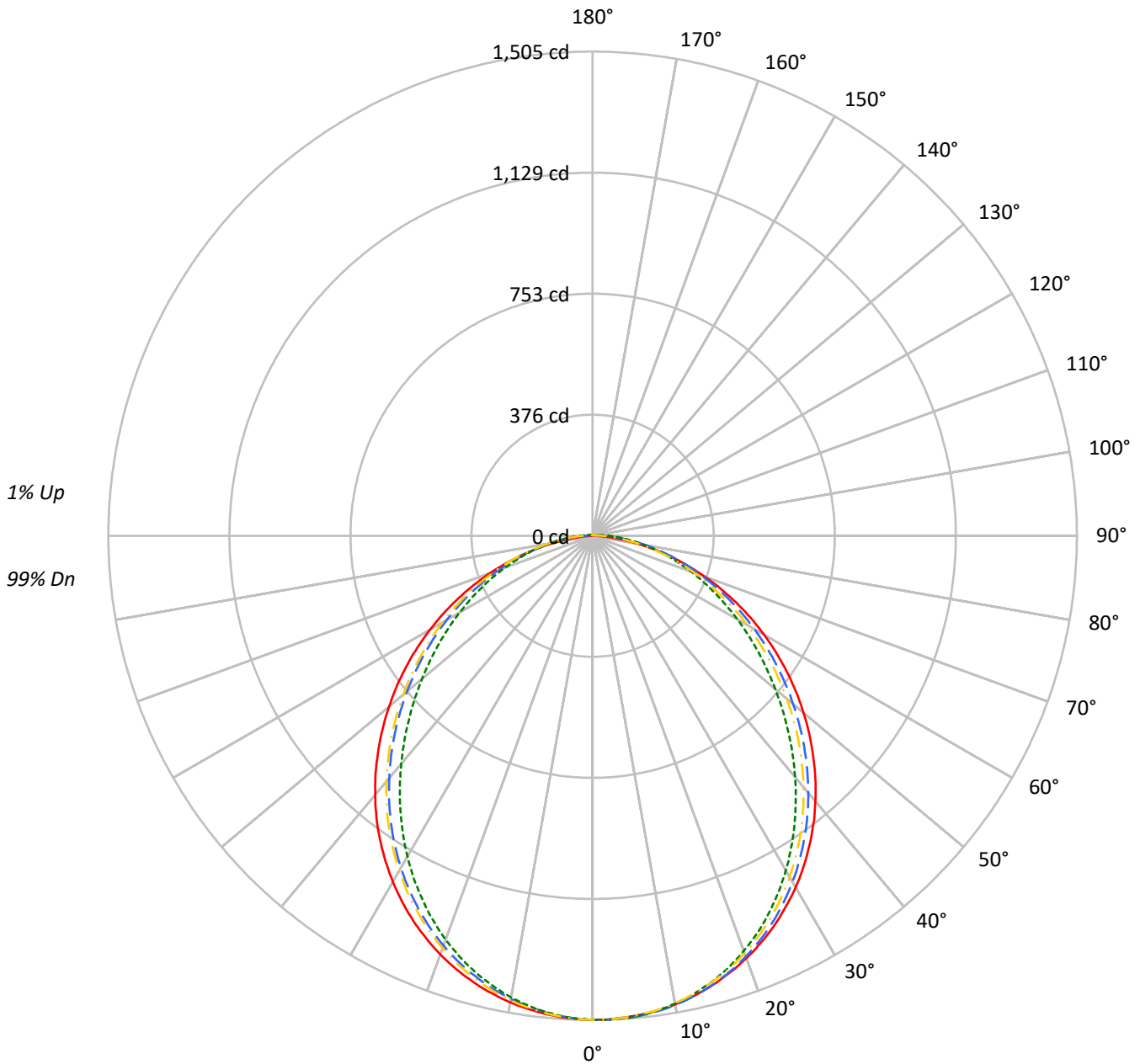
Lumens per Lamp: N/A
Luminaire Lumens: 3923.0 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.17 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 0.44' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 29.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P563538

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

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°	9146	9146	9146	9146
5°	9124	9008	9108	8942
10°	9095	8828	9056	8707
15°	9044	8596	8983	8419
20°	8969	8314	8890	8089
25°	8877	7986	8766	7707
30°	8750	7604	8611	7290
35°	8591	7177	8425	6830
40°	8394	6712	8198	6345
45°	8167	6223	7932	5844
50°	7897	5726	7620	5347
55°	7581	5250	7259	4860
60°	7221	4776	6842	4383
65°	6786	4293	6338	3898
70°	6233	3810	5698	3397
75°	5499	3306	4830	2860
80°	4444	2765	3617	2295
85°	2841	2208	1826	1755



TEST NUMBER: P563538

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.0	3.6
10°-20°	403.1	10.3
20°-30°	598.6	15.3
30°-40°	697.8	17.8
40°-50°	690.8	17.6
50°-60°	593.2	15.1
60°-70°	434.2	11.1
70°-80°	246.5	6.3
80°-90°	82.1	2.1
90°-100°	14.9	0.4
100°-110°	6.3	0.2
110°-120°	3.7	0.1
120°-130°	2.6	0.1
130°-140°	2.4	0.1
140°-150°	2.2	0.1
150°-160°	1.5	0.0
160°-170°	0.9	0.0
170°-180°	0.3	0.0
0°-30°	1143.7	29.2
0°-40°	1841.5	46.9
0°-60°	3125.5	79.7
0°-90°	3888.2	99.1
90°-120°	24.9	0.6
90°-150°	32.1	0.8
90°-180°	35.0	0.9
0°-180°	3923.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1505	1505	1505	1505	1505	
5°	1498	1501	1495	1490	1498	142
15°	1445	1435	1435	1405	1445	408
25°	1336	1295	1320	1250	1336	615
35°	1175	1094	1152	1041	1175	734
45°	970	860	942	807	970	748
55°	737	628	705	581	737	659
65°	493	418	460	380	493	488
75°	252	239	222	207	252	267
85°	50	100	32	79	50	60
90°	3	53	1	40	3	3
95°	0	25	1	21	0	0
105°	2	10	2	12	2	2
115°	2	4	3	8	2	2
125°	2	2	3	4	2	2
135°	2	3	3	2	2	2
145°	2	4	3	4	2	2
155°	2	4	3	4	2	1
165°	2	3	2	4	2	0
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7
0.5°	1504.3	1504.3	1504.5	1504.6	1504.7	1504.9	1504.9	1505.0	1505.0	1505.0	1505.0
1°	1504.1	1504.3	1504.6	1504.8	1505.1	1505.1	1505.2	1505.1	1504.7	1504.2	1504.5
1.5°	1504.2	1504.7	1504.8	1504.3	1504.1	1504.3	1504.8	1505.2	1504.7	1505.4	1505.5
2°	1503.9	1504.3	1504.3	1504.3	1504.6	1505.1	1505.4	1505.4	1504.6	1504.7	1505.0
2.5°	1503.3	1503.7	1503.8	1503.9	1503.9	1503.5	1503.7	1503.5	1505.0	1504.1	1503.5
3°	1502.3	1502.6	1503.2	1503.5	1503.9	1504.0	1504.3	1504.6	1504.1	1503.9	1504.0
3.5°	1501.3	1502.0	1502.6	1503.8	1503.3	1503.6	1503.7	1503.3	1503.7	1502.7	1502.3
4°	1500.6	1501.9	1501.5	1502.9	1502.6	1502.8	1502.7	1502.5	1501.7	1503.3	1501.9
4.5°	1499.0	1500.2	1500.6	1501.5	1502.3	1502.2	1501.5	1502.3	1501.7	1501.8	1500.4
5°	1498.0	1499.2	1499.7	1500.2	1501.1	1501.1	1499.7	1500.2	1500.6	1500.6	1499.3
5.5°	1497.1	1498.2	1498.8	1499.0	1499.5	1499.1	1498.6	1498.6	1499.2	1498.9	1497.5
6°	1495.9	1496.9	1497.1	1497.9	1498.6	1497.9	1497.6	1497.1	1497.3	1496.9	1495.3
6.5°	1494.3	1495.5	1495.7	1496.2	1497.1	1496.4	1496.6	1495.5	1495.5	1495.4	1493.8
7°	1492.8	1493.5	1494.7	1494.4	1494.4	1493.6	1494.9	1493.5	1493.3	1493.2	1492.0
7.5°	1490.7	1491.5	1492.5	1493.4	1493.2	1492.5	1492.1	1491.5	1490.9	1489.8	1489.9
8°	1489.1	1489.2	1490.9	1491.1	1491.0	1490.4	1489.9	1489.4	1488.9	1488.1	1487.7
8.5°	1486.3	1486.7	1488.9	1488.5	1488.9	1488.5	1487.6	1487.0	1486.0	1485.5	1484.3
9°	1484.7	1486.1	1486.2	1486.8	1486.8	1486.2	1484.7	1484.4	1483.3	1483.7	1481.5
9.5°	1482.0	1483.3	1484.4	1484.1	1484.4	1483.0	1481.3	1481.3	1480.6	1479.1	1478.6
10°	1479.0	1480.7	1481.6	1481.7	1481.4	1480.4	1478.7	1477.7	1477.3	1477.5	1476.0
10.5°	1476.3	1477.7	1479.1	1479.2	1478.6	1477.4	1475.5	1474.4	1473.8	1473.6	1472.4
11°	1473.2	1474.2	1475.9	1476.0	1475.5	1474.8	1471.8	1471.4	1471.1	1470.1	1468.9
11.5°	1470.0	1472.0	1472.7	1473.1	1471.9	1471.4	1468.5	1468.2	1467.2	1466.5	1465.2
12°	1467.0	1468.8	1470.1	1470.2	1468.8	1467.6	1465.5	1464.3	1462.3	1462.6	1460.6
12.5°	1464.1	1465.5	1466.8	1466.9	1464.9	1464.1	1461.9	1460.3	1458.6	1458.2	1457.0
13°	1460.6	1462.5	1463.5	1463.0	1460.8	1460.5	1457.7	1456.4	1454.8	1453.2	1452.7
13.5°	1456.7	1459.0	1460.1	1459.6	1457.4	1456.5	1452.8	1451.7	1450.3	1448.6	1447.3
14°	1453.1	1455.2	1456.2	1456.3	1453.4	1451.7	1449.1	1447.2	1445.6	1443.7	1443.0
14.5°	1449.4	1451.5	1452.3	1452.3	1448.9	1447.8	1445.1	1442.4	1440.0	1439.5	1437.6
15°	1445.2	1447.6	1448.2	1447.8	1445.3	1443.5	1440.1	1437.7	1435.4	1434.6	1433.4
15.5°	1441.4	1443.7	1443.7	1443.1	1441.2	1439.1	1434.7	1433.1	1430.2	1429.5	1427.7
16°	1436.7	1439.6	1439.9	1438.9	1436.3	1433.9	1430.0	1427.7	1425.4	1423.6	1421.9
16.5°	1431.6	1435.1	1435.8	1434.7	1431.5	1428.9	1424.7	1421.9	1419.7	1417.4	1416.9
17°	1426.8	1430.7	1430.8	1430.2	1427.2	1423.8	1419.6	1416.2	1413.6	1412.4	1411.7
17.5°	1422.8	1425.7	1426.1	1425.0	1422.1	1418.3	1413.2	1410.6	1407.3	1406.7	1405.0
18°	1418.4	1420.7	1421.4	1420.0	1416.6	1413.0	1408.1	1404.7	1401.5	1399.8	1399.1
18.5°	1412.9	1416.5	1416.8	1415.2	1411.5	1407.6	1402.1	1398.3	1395.7	1393.5	1392.6
19°	1407.7	1411.6	1411.9	1409.7	1406.2	1401.6	1396.6	1392.1	1388.9	1386.9	1386.5
19.5°	1402.4	1405.9	1406.1	1404.2	1400.2	1395.3	1390.0	1385.9	1382.0	1381.0	1378.7
20°	1397.1	1400.4	1400.3	1398.6	1394.5	1389.2	1383.2	1379.0	1375.5	1373.0	1372.4
20.5°	1391.8	1395.1	1395.0	1392.9	1388.7	1383.4	1376.7	1372.0	1368.8	1366.2	1365.0
21°	1386.4	1389.7	1389.4	1387.0	1382.1	1376.8	1370.5	1365.1	1361.8	1358.7	1358.1



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
22.5°	1368.0	1371.5	1371.7	1368.4	1363.3	1356.8	1349.4	1343.5	1339.1	1336.6	1335.0
23°	1362.5	1365.5	1365.2	1362.0	1356.7	1350.0	1342.3	1335.9	1331.2	1329.5	1327.6
23.5°	1355.7	1359.3	1358.9	1355.5	1350.0	1342.6	1335.0	1327.9	1323.1	1320.7	1319.4
24°	1349.2	1352.9	1352.7	1348.6	1342.8	1335.5	1326.8	1320.0	1315.0	1312.5	1311.5
24.5°	1343.0	1346.3	1345.7	1342.0	1335.4	1327.9	1320.0	1312.4	1306.7	1304.0	1302.6
25°	1336.4	1339.9	1338.8	1335.0	1328.5	1320.2	1312.0	1304.2	1298.3	1294.9	1294.3
25.5°	1329.2	1332.7	1332.0	1327.8	1321.7	1312.5	1303.6	1295.7	1290.0	1286.7	1285.3
26°	1322.2	1325.2	1324.9	1320.0	1314.1	1304.4	1295.1	1286.8	1280.6	1277.0	1276.8
26.5°	1314.9	1318.4	1316.9	1313.2	1305.7	1296.3	1286.5	1278.3	1271.9	1268.6	1267.3
27°	1307.6	1311.7	1309.7	1305.1	1297.7	1288.3	1278.1	1269.4	1263.0	1258.8	1258.8
27.5°	1300.4	1304.2	1302.8	1297.2	1289.8	1279.6	1270.3	1260.3	1253.0	1250.2	1249.3
28°	1292.6	1296.7	1295.4	1289.7	1281.8	1271.3	1260.3	1251.6	1244.1	1240.5	1239.3
28.5°	1284.9	1288.9	1287.6	1282.1	1274.0	1263.0	1251.6	1242.4	1234.0	1229.9	1229.5
29°	1277.9	1281.4	1279.8	1273.9	1265.1	1254.1	1242.8	1232.7	1225.5	1221.2	1220.1
29.5°	1270.0	1273.7	1271.6	1266.1	1256.6	1245.3	1234.1	1223.2	1214.6	1211.0	1211.0
30°	1261.6	1264.9	1263.5	1257.1	1248.0	1236.1	1224.1	1213.5	1205.1	1200.7	1201.1
30.5°	1253.7	1256.9	1255.3	1249.3	1239.3	1226.7	1214.7	1203.7	1194.1	1190.8	1190.2
31°	1245.7	1249.2	1246.7	1240.9	1230.9	1217.9	1204.7	1193.6	1185.1	1180.8	1179.6
31.5°	1237.2	1241.0	1238.5	1231.7	1221.9	1208.8	1195.0	1183.3	1174.6	1170.0	1169.0
32°	1228.1	1231.7	1229.6	1222.5	1212.3	1198.8	1185.4	1173.5	1164.2	1159.2	1158.9
32.5°	1219.4	1223.0	1220.9	1213.3	1202.9	1189.1	1175.5	1163.4	1154.5	1148.6	1148.4
33°	1211.1	1214.6	1211.9	1205.0	1193.6	1179.8	1165.7	1152.8	1143.6	1138.2	1138.0
33.5°	1202.1	1205.6	1203.1	1196.0	1184.5	1170.0	1155.6	1142.6	1132.5	1127.2	1126.8
34°	1192.8	1196.9	1194.0	1186.3	1175.0	1159.7	1144.7	1131.7	1121.7	1116.0	1116.0
34.5°	1183.3	1187.6	1184.8	1177.0	1165.4	1149.7	1134.2	1120.3	1110.5	1105.3	1104.7
35°	1174.6	1178.5	1175.8	1167.7	1155.3	1139.6	1124.0	1109.6	1099.0	1094.1	1093.9
35.5°	1165.5	1169.0	1166.8	1158.2	1145.2	1129.1	1113.3	1098.9	1088.0	1083.0	1082.7
36°	1156.0	1160.1	1156.5	1148.6	1135.5	1118.9	1102.7	1088.0	1076.6	1071.9	1071.3
36.5°	1146.3	1150.0	1147.1	1138.3	1125.8	1108.7	1092.0	1076.7	1065.5	1059.8	1060.4
37°	1136.8	1140.2	1137.3	1128.6	1115.4	1098.4	1081.3	1065.9	1053.6	1048.5	1048.9
37.5°	1127.6	1130.3	1127.5	1118.8	1105.0	1087.7	1070.1	1054.5	1042.6	1037.1	1037.2
38°	1118.3	1120.6	1118.0	1108.3	1094.7	1076.8	1058.9	1043.2	1031.4	1025.3	1025.1
38.5°	1107.9	1110.7	1107.1	1098.2	1084.0	1066.0	1047.8	1031.6	1020.0	1014.4	1013.9
39°	1097.2	1100.7	1097.3	1087.8	1073.5	1055.3	1036.9	1020.2	1008.6	1002.3	1001.8
39.5°	1086.6	1091.0	1087.1	1077.6	1062.6	1044.0	1025.8	1008.8	996.4	990.9	990.8
40°	1076.3	1080.4	1077.1	1066.6	1052.0	1032.7	1013.9	997.4	984.7	978.9	979.0
40.5°	1066.7	1069.9	1066.7	1056.4	1041.1	1021.8	1002.5	985.6	972.7	967.0	966.6
41°	1056.3	1059.4	1056.1	1045.6	1030.2	1010.4	991.2	974.1	961.1	955.3	954.6
41.5°	1045.5	1048.7	1045.1	1035.2	1019.2	999.4	979.4	962.1	948.6	943.0	943.0
42°	1035.3	1038.7	1034.8	1023.9	1008.5	988.4	968.6	950.6	937.4	931.8	930.9
42.5°	1024.9	1028.0	1024.0	1013.6	996.7	976.8	956.9	939.0	925.6	919.5	919.0
43°	1014.0	1017.1	1013.2	1001.9	985.6	965.2	945.1	927.0	913.6	907.9	907.3
43.5°	1002.7	1006.4	1002.1	991.4	975.0	953.9	933.3	915.1	901.6	895.5	895.5



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
45°	969.8	973.2	968.9	957.5	941.0	919.2	898.3	879.6	865.8	859.6	859.4
45.5°	959.0	962.1	957.6	946.0	929.0	907.6	886.6	867.7	854.2	847.4	847.5
46°	947.5	950.9	946.6	934.8	917.5	895.8	874.4	855.9	842.7	835.1	835.8
46.5°	935.7	939.3	935.0	923.3	905.9	884.0	862.4	844.0	830.1	823.9	824.1
47°	924.3	928.2	924.3	911.9	894.5	872.3	850.7	831.9	818.0	812.0	811.8
47.5°	913.3	916.6	912.6	901.0	883.2	860.7	839.3	819.7	806.3	800.1	799.8
48°	902.2	905.4	901.0	889.6	871.8	848.9	827.4	808.2	794.8	787.9	788.5
48.5°	890.3	893.3	889.1	877.7	859.9	837.3	815.9	796.4	782.5	776.5	776.7
49°	879.2	882.8	877.5	865.5	848.2	825.6	803.9	784.8	771.1	764.4	764.4
49.5°	867.5	870.7	866.8	854.3	836.2	813.7	792.3	772.9	759.1	752.7	753.1
50°	855.8	859.4	854.7	842.9	824.3	801.8	780.7	761.1	748.0	740.8	741.2
50.5°	843.8	847.5	843.0	831.4	812.9	790.2	768.8	749.3	735.6	729.4	729.2
51°	832.2	835.8	831.0	818.9	801.3	778.5	757.1	738.1	724.8	717.6	717.3
51.5°	820.3	824.0	819.3	807.6	789.5	766.8	745.1	726.3	712.6	707.0	706.3
52°	808.8	812.4	807.9	795.7	777.6	755.4	733.8	715.1	701.5	694.7	694.9
52.5°	796.6	800.1	795.3	783.8	765.7	743.2	722.1	703.5	690.3	683.7	683.6
53°	784.8	788.5	783.9	771.8	753.8	731.5	710.3	692.0	679.0	672.0	671.7
53.5°	772.9	776.2	771.7	760.1	741.9	719.9	698.9	680.7	666.8	661.2	660.4
54°	761.0	764.2	760.0	748.5	730.3	708.1	687.5	669.1	656.0	649.4	649.7
54.5°	748.9	752.5	747.8	736.4	718.9	696.3	675.5	657.6	644.5	638.3	638.3
55°	736.6	740.5	736.2	724.6	706.7	684.5	664.1	646.3	633.7	628.1	626.8
55.5°	724.9	728.4	723.9	712.9	695.3	673.3	652.7	634.7	622.2	616.5	615.5
56°	712.5	716.1	712.2	700.8	683.6	662.1	641.7	623.5	611.4	605.2	604.9
56.5°	700.6	704.3	700.1	689.0	671.9	650.4	630.1	612.7	600.5	594.4	594.0
57°	688.9	692.0	687.9	677.0	659.8	638.8	618.7	601.6	589.2	583.7	583.0
57.5°	676.4	680.4	675.5	665.3	648.5	627.6	607.6	590.4	578.6	572.8	572.1
58°	664.1	667.8	664.2	652.9	636.1	616.2	596.6	579.7	567.8	561.6	561.8
58.5°	652.2	655.8	651.7	641.4	624.8	604.4	585.1	568.6	557.1	551.2	550.8
59°	639.9	644.0	639.8	629.5	613.2	593.1	574.0	557.5	546.8	541.2	540.2
59.5°	627.8	631.3	627.7	617.7	601.6	581.8	563.2	547.3	536.2	531.0	529.2
60°	615.3	619.3	615.9	605.7	589.7	570.5	552.0	536.8	525.8	520.4	518.7
60.5°	603.2	606.8	603.6	593.9	578.9	559.3	541.7	526.5	515.2	509.8	508.3
61°	591.0	594.4	591.5	582.2	567.4	548.4	527.9	515.7	504.6	499.1	497.9
61.5°	578.9	582.9	579.2	569.7	555.4	537.0	516.9	504.8	494.0	488.5	487.5
62°	566.6	570.7	567.7	558.3	543.5	525.5	506.8	494.2	483.4	477.8	477.1
62.5°	554.4	558.1	555.7	546.9	532.4	514.5	496.7	483.5	472.8	467.4	466.7
63°	542.2	546.1	543.4	535.0	520.9	503.5	486.6	472.8	462.8	457.6	456.7
63.5°	530.1	533.6	531.4	522.7	509.4	492.5	476.6	462.6	452.9	447.7	447.0
64°	517.7	521.3	518.9	512.3	497.8	481.4	465.7	452.7	443.0	437.9	437.0
64.5°	505.2	508.9	506.8	508.4	486.6	470.5	455.5	442.4	433.1	428.0	426.9
65°	492.8	496.6	494.8	494.3	476.1	459.4	445.2	432.4	423.2	418.5	417.3
65.5°	480.2	484.2	482.8	480.2	464.6	448.6	434.7	422.4	413.5	408.5	407.4
66°	467.7	471.9	470.7	466.2	453.1	438.0	424.4	412.5	403.9	399.0	398.1



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
67.5°	431.3	435.2	434.8	429.3	419.6	406.6	394.2	383.6	375.4	370.7	369.4
68°	419.4	423.3	422.8	417.9	408.5	396.1	384.1	373.9	366.2	361.5	360.3
68.5°	407.1	411.2	411.3	406.1	397.5	385.6	374.3	364.2	356.9	352.6	350.5
69°	394.9	399.2	399.4	395.3	386.7	375.1	364.5	354.9	347.2	343.3	341.7
69.5°	382.9	387.5	387.6	384.0	376.2	364.9	354.7	345.3	338.1	333.9	332.5
70°	370.7	375.3	376.0	372.8	365.3	354.9	345.0	335.9	329.1	324.8	323.4
70.5°	358.6	363.3	364.3	361.3	355.0	345.0	335.5	326.8	320.3	316.1	314.3
71°	346.8	351.1	352.7	350.4	344.1	334.8	325.9	317.7	311.5	307.4	305.7
71.5°	334.8	339.5	340.8	339.0	333.6	324.8	316.5	308.7	302.3	298.5	297.0
72°	323.0	327.6	329.5	327.8	323.0	314.9	306.9	299.6	293.5	289.6	288.0
72.5°	311.2	315.6	318.2	316.9	312.4	304.9	297.7	290.4	284.8	281.4	279.4
73°	299.1	304.0	307.0	306.3	302.3	295.1	288.3	281.6	276.2	272.6	270.6
73.5°	287.0	292.4	295.3	295.3	291.9	285.9	279.1	272.8	267.6	264.1	262.2
74°	275.5	280.4	284.1	284.7	281.7	276.2	270.1	264.1	259.3	255.7	253.7
74.5°	263.9	269.1	272.9	273.7	271.7	266.4	261.2	255.5	250.9	247.5	245.8
75°	252.3	257.6	261.7	263.1	261.6	257.0	252.2	247.1	242.6	239.3	237.3
75.5°	240.6	246.4	250.5	252.5	251.7	247.7	243.4	238.5	234.2	231.3	229.2
76°	229.2	234.8	239.6	242.3	241.5	238.3	234.7	230.2	226.2	223.3	221.0
76.5°	217.9	223.8	228.7	231.8	231.9	229.2	225.8	221.8	218.2	215.4	213.1
77°	206.7	212.3	218.0	221.5	222.4	220.3	217.4	213.5	210.2	207.3	205.1
77.5°	195.3	201.4	207.4	211.3	212.8	211.4	208.9	205.6	202.2	199.7	197.4
78°	184.5	190.5	196.6	201.5	203.3	202.6	200.6	197.6	194.8	192.2	189.9
78.5°	173.4	179.9	186.2	191.5	194.0	193.8	192.2	189.8	187.3	184.6	182.4
79°	162.6	169.2	176.1	181.7	184.8	185.1	184.2	182.0	179.6	177.2	174.9
79.5°	152.0	158.4	165.8	172.0	175.7	176.6	176.3	174.4	172.3	170.1	167.6
80°	141.9	148.1	155.6	162.6	166.9	168.3	168.3	166.9	165.1	163.0	160.5
80.5°	131.5	138.1	146.0	153.2	158.1	160.1	160.5	159.6	158.0	155.8	153.5
81°	121.4	128.1	136.4	144.0	149.5	152.1	153.1	152.4	151.1	148.9	146.7
81.5°	111.6	118.3	127.0	135.0	141.1	144.1	145.7	145.5	144.4	142.4	140.0
82°	101.9	108.6	117.6	126.3	132.7	136.5	138.4	138.6	137.7	135.7	133.4
82.5°	92.1	99.3	108.8	117.7	124.6	129.1	131.3	131.8	131.0	129.2	126.8
83°	83.4	90.4	99.8	109.3	116.7	121.7	124.4	125.1	124.6	123.1	120.6
83.5°	74.6	81.6	91.2	101.2	109.2	114.4	117.7	118.8	118.6	116.9	114.5
84°	66.3	73.2	83.0	93.3	101.7	107.5	111.1	112.6	112.4	111.0	108.6
84.5°	58.0	65.0	75.2	85.6	94.5	100.7	104.6	106.4	106.5	105.2	102.8
85°	50.4	57.2	67.4	78.3	87.6	94.2	98.4	100.5	100.8	99.5	97.1
85.5°	43.8	50.2	60.3	71.4	80.9	87.9	92.4	94.7	95.1	93.9	91.7
86°	37.3	43.8	53.3	64.7	74.6	81.9	86.7	89.1	89.7	88.7	86.3
86.5°	30.7	37.5	47.6	58.3	68.4	76.1	81.0	83.8	84.5	83.6	81.3
87°	24.2	31.1	42.0	51.8	62.6	70.4	75.7	78.7	79.5	78.8	76.4
87.5°	18.6	24.7	36.4	46.9	57.0	65.1	70.5	73.7	74.6	73.9	71.7
88°	13.4	19.5	30.8	42.1	51.6	60.0	65.6	68.8	70.0	69.3	67.0
88.5°	9.0	14.9	25.2	37.2	47.3	55.0	60.8	64.3	65.5	64.8	62.7



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
90°	2.9	5.3	13.9	24.4	34.5	42.9	49.0	51.9	53.3	52.7	51.2
90.5°	1.6	4.3	11.2	21.1	30.8	39.1	45.4	48.6	50.1	49.5	47.9
91°	0.3	3.3	9.1	18.1	27.4	35.4	41.7	45.3	46.8	46.4	44.6
91.5°	0.3	2.4	7.3	15.6	24.4	32.1	38.1	42.0	43.6	43.3	41.4
92°	0.2	1.5	6.0	13.4	21.7	29.1	34.8	38.7	40.4	40.1	38.2
92.5°	0.1	1.1	5.3	11.6	19.3	26.4	31.9	35.5	37.2	37.0	35.3
93°	0.1	0.9	4.7	10.0	17.1	23.9	29.3	32.8	34.5	34.4	32.7
93.5°	0.2	0.8	4.0	8.7	15.3	21.6	26.8	30.3	31.9	31.8	30.3
94°	0.2	0.6	3.4	7.7	13.6	19.6	24.6	27.9	29.6	29.6	28.1
94.5°	0.3	0.5	3.1	6.9	12.2	17.8	22.5	25.8	27.4	27.4	26.0
95°	0.3	0.5	2.8	6.4	11.1	16.2	20.6	23.8	25.4	25.4	24.1
95.5°	0.4	0.5	2.5	5.9	10.1	14.8	19.0	22.0	23.5	23.6	22.4
96°	0.4	0.5	2.2	5.5	9.3	13.6	17.5	20.3	21.8	21.9	20.7
96.5°	0.5	0.6	2.0	5.2	8.7	12.6	16.2	18.9	20.3	20.5	19.4
97°	0.6	0.6	1.8	4.8	8.2	11.7	15.0	17.6	19.0	19.1	18.1
97.5°	0.6	0.7	1.7	4.4	7.8	10.9	14.0	16.4	17.7	17.9	17.0
98°	0.7	0.7	1.5	4.1	7.4	10.4	13.2	15.4	16.6	16.8	16.0
98.5°	0.7	0.7	1.4	3.9	6.9	9.9	12.5	14.5	15.7	15.9	15.1
99°	0.8	0.7	1.3	3.6	6.5	9.5	11.9	13.8	14.9	15.1	14.4
99.5°	0.9	0.8	1.2	3.4	6.2	9.0	11.3	13.1	14.1	14.4	13.7
100°	1.0	0.9	1.1	3.1	5.8	8.6	10.9	12.6	13.6	13.7	13.2
100.5°	1.0	0.9	1.1	2.9	5.6	8.2	10.4	12.1	13.0	13.2	12.7
101°	1.1	1.0	1.1	2.7	5.3	7.8	10.0	11.6	12.6	12.8	12.3
101.5°	1.2	1.1	1.1	2.5	5.0	7.4	9.6	11.2	12.1	12.3	11.8
102°	1.3	1.1	1.1	2.3	4.7	7.1	9.1	10.8	11.7	11.9	11.4
102.5°	1.4	1.2	1.1	2.2	4.4	6.7	8.8	10.3	11.2	11.5	11.0
103°	1.5	1.2	1.1	2.0	4.1	6.4	8.4	9.9	10.8	11.0	10.6
103.5°	1.5	1.3	1.1	1.9	3.8	6.1	8.0	9.5	10.4	10.6	10.2
104°	1.5	1.3	1.0	1.7	3.6	5.8	7.7	9.1	10.0	10.2	9.8
104.5°	1.6	1.4	1.0	1.6	3.4	5.5	7.3	8.8	9.6	9.8	9.4
105°	1.6	1.5	1.0	1.5	3.1	5.2	7.0	8.4	9.3	9.5	9.1
105.5°	1.6	1.7	1.0	1.5	3.0	4.9	6.7	8.0	8.9	9.1	8.7
106°	1.6	1.7	1.0	1.4	2.8	4.6	6.4	7.7	8.6	8.8	8.4
106.5°	1.5	1.6	1.1	1.4	2.6	4.4	6.1	7.4	8.2	8.5	8.1
107°	1.5	1.5	1.1	1.4	2.5	4.1	5.8	7.1	7.9	8.2	7.8
107.5°	1.6	1.5	1.1	1.3	2.3	3.9	5.5	6.7	7.6	7.9	7.5
108°	1.6	1.5	1.1	1.3	2.2	3.7	5.3	6.5	7.3	7.5	7.2
108.5°	1.6	1.6	1.2	1.3	2.1	3.5	5.0	6.2	7.0	7.2	6.9
109°	1.6	1.6	1.2	1.2	1.9	3.3	4.7	5.9	6.7	7.0	6.7
109.5°	1.6	1.7	1.2	1.2	1.9	3.1	4.5	5.7	6.5	6.7	6.4
110°	1.6	1.7	1.2	1.2	1.8	3.0	4.2	5.4	6.2	6.4	6.2
110.5°	1.6	1.6	1.3	1.2	1.7	2.8	4.0	5.2	5.9	6.2	5.9
111°	1.6	1.6	1.3	1.2	1.7	2.6	3.8	4.9	5.7	5.9	5.7



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1.7	1.6	1.4	1.3	1.5	2.2	3.3	4.3	5.0	5.2	5.0
113°	1.7	1.6	1.5	1.3	1.5	2.1	3.1	4.0	4.7	4.9	4.7
113.5°	1.7	1.6	1.5	1.3	1.5	2.1	2.9	3.8	4.5	4.7	4.5
114°	1.7	1.6	1.5	1.3	1.5	2.0	2.8	3.7	4.3	4.5	4.3
114.5°	1.7	1.7	1.6	1.4	1.4	1.9	2.6	3.5	4.1	4.3	4.2
115°	1.8	1.7	1.6	1.4	1.4	1.9	2.5	3.3	3.9	4.1	4.0
115.5°	1.8	1.7	1.7	1.4	1.4	1.8	2.4	3.1	3.7	3.9	3.8
116°	1.8	1.7	1.7	1.4	1.4	1.8	2.3	3.0	3.5	3.8	3.7
116.5°	1.8	1.8	1.8	1.5	1.4	1.8	2.3	2.9	3.4	3.6	3.5
117°	1.8	1.8	1.9	1.5	1.4	1.8	2.2	2.8	3.2	3.5	3.4
117.5°	1.8	1.9	2.0	1.5	1.4	1.7	2.2	2.7	3.1	3.3	3.3
118°	1.8	1.9	2.1	1.5	1.5	1.6	2.1	2.6	3.0	3.2	3.2
118.5°	1.8	1.9	2.2	1.6	1.5	1.6	2.0	2.5	2.9	3.1	3.1
119°	1.8	2.0	2.1	1.6	1.5	1.6	2.0	2.4	2.8	3.0	3.0
119.5°	1.8	2.0	2.1	1.7	1.5	1.5	2.0	2.4	2.7	2.9	2.9
120°	1.9	2.0	2.0	1.7	1.6	1.6	1.9	2.3	2.6	2.8	2.8
120.5°	1.9	2.0	2.0	1.7	1.6	1.6	1.9	2.2	2.6	2.8	2.8
121°	1.9	2.0	2.0	1.8	1.6	1.6	1.8	2.2	2.5	2.7	2.7
121.5°	1.9	2.0	2.1	1.8	1.6	1.6	1.7	2.1	2.4	2.6	2.6
122°	1.9	2.1	2.1	1.8	1.7	1.6	1.7	2.1	2.4	2.6	2.6
122.5°	1.9	2.1	2.1	1.9	1.7	1.7	1.7	2.0	2.3	2.5	2.5
123°	2.0	2.1	2.2	1.9	1.7	1.7	1.7	1.9	2.3	2.5	2.5
123.5°	2.0	2.1	2.2	2.0	1.8	1.7	1.7	1.9	2.2	2.4	2.4
124°	2.0	2.1	2.2	2.0	1.8	1.8	1.7	1.8	2.2	2.4	2.4
124.5°	2.0	2.2	2.2	2.0	1.9	1.8	1.7	1.8	2.1	2.3	2.3
125°	2.0	2.2	2.2	2.1	1.9	1.8	1.7	1.8	2.1	2.3	2.3
125.5°	2.1	2.2	2.3	2.2	1.9	1.9	1.8	1.8	2.0	2.2	2.3
126°	2.1	2.2	2.3	2.2	2.0	1.9	1.8	1.8	2.0	2.2	2.3
126.5°	2.1	2.2	2.3	2.3	2.0	1.9	1.8	1.9	2.0	2.2	2.3
127°	2.1	2.2	2.3	2.4	2.0	1.9	1.9	1.9	2.1	2.2	2.3
127.5°	2.2	2.2	2.2	2.5	2.1	1.9	1.9	1.9	2.1	2.2	2.3
128°	2.2	2.2	2.2	2.6	2.1	2.0	1.9	2.0	2.1	2.3	2.4
128.5°	2.2	2.2	2.2	2.6	2.1	2.0	2.0	2.0	2.2	2.3	2.4
129°	2.2	2.2	2.2	2.6	2.2	2.0	2.0	2.1	2.2	2.3	2.4
129.5°	2.2	2.2	2.2	2.6	2.2	2.1	2.1	2.1	2.3	2.4	2.5
130°	2.2	2.2	2.2	2.6	2.3	2.1	2.1	2.2	2.3	2.4	2.5
130.5°	2.2	2.2	2.2	2.6	2.3	2.2	2.2	2.2	2.3	2.5	2.5
131°	2.2	2.2	2.2	2.6	2.4	2.2	2.2	2.3	2.4	2.5	2.6
131.5°	2.3	2.3	2.2	2.6	2.4	2.3	2.2	2.3	2.4	2.5	2.6
132°	2.3	2.3	2.2	2.7	2.5	2.3	2.3	2.4	2.5	2.6	2.7
132.5°	2.3	2.3	2.3	2.7	2.6	2.4	2.4	2.4	2.5	2.6	2.7
133°	2.3	2.3	2.3	2.8	2.7	2.4	2.4	2.5	2.5	2.6	2.7
133.5°	2.3	2.3	2.3	2.8	2.8	2.5	2.5	2.5	2.6	2.7	2.8



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
135°	2.3	2.4	2.4	2.9	3.0	2.7	2.6	2.7	2.7	2.8	2.9
135.5°	2.3	2.4	2.4	2.9	3.1	2.7	2.7	2.7	2.7	2.8	3.0
136°	2.3	2.4	2.5	2.9	3.1	2.8	2.7	2.8	2.8	2.9	3.0
136.5°	2.3	2.4	2.5	2.8	3.1	2.8	2.8	2.8	2.8	2.9	3.0
137°	2.3	2.4	2.5	2.8	3.1	2.9	2.9	2.9	2.9	3.0	3.1
137.5°	2.3	2.5	2.5	2.8	3.1	3.0	2.9	2.9	2.9	3.0	3.1
138°	2.3	2.5	2.6	2.7	3.1	3.1	2.9	2.9	3.0	3.0	3.2
138.5°	2.3	2.6	2.6	2.7	3.1	3.2	3.0	3.0	3.0	3.1	3.2
139°	2.4	2.6	2.6	2.7	3.1	3.3	3.0	3.0	3.0	3.1	3.3
139.5°	2.4	2.6	2.6	2.7	3.2	3.4	3.1	3.1	3.1	3.2	3.3
140°	2.4	2.6	2.6	2.7	3.2	3.4	3.1	3.1	3.1	3.2	3.4
140.5°	2.4	2.7	2.6	2.6	3.2	3.5	3.2	3.2	3.2	3.3	3.5
141°	2.4	2.7	2.7	2.6	3.3	3.5	3.3	3.2	3.2	3.3	3.5
141.5°	2.4	2.7	2.7	2.6	3.3	3.5	3.4	3.2	3.3	3.4	3.6
142°	2.4	2.7	2.7	2.6	3.2	3.5	3.5	3.3	3.3	3.4	3.6
142.5°	2.4	2.7	2.7	2.6	3.2	3.6	3.6	3.3	3.3	3.5	3.7
143°	2.4	2.7	2.7	2.6	3.2	3.5	3.7	3.4	3.4	3.5	3.8
143.5°	2.4	2.8	2.7	2.6	3.1	3.5	3.7	3.5	3.5	3.6	3.8
144°	2.4	2.8	2.7	2.6	3.1	3.5	3.7	3.6	3.5	3.7	3.9
144.5°	2.4	2.8	2.8	2.6	3.1	3.5	3.7	3.7	3.6	3.7	3.9
145°	2.4	2.8	2.8	2.6	3.1	3.5	3.7	3.8	3.7	3.8	4.0
145.5°	2.4	2.8	2.8	2.6	3.0	3.5	3.8	3.9	3.8	3.8	4.1
146°	2.4	2.8	2.8	2.6	3.0	3.5	3.7	4.0	3.9	3.9	4.2
146.5°	2.4	2.8	2.8	2.6	3.0	3.5	3.7	4.0	4.1	4.1	4.3
147°	2.4	2.8	2.8	2.6	2.9	3.5	3.7	3.9	4.1	4.2	4.4
147.5°	2.4	2.8	2.8	2.6	2.9	3.5	3.6	3.9	4.1	4.3	4.5
148°	2.4	2.8	2.8	2.6	2.9	3.4	3.6	3.9	4.1	4.3	4.5
148.5°	2.4	2.8	2.8	2.6	2.8	3.4	3.6	3.9	4.1	4.3	4.4
149°	2.3	2.8	2.8	2.6	2.8	3.4	3.7	3.9	4.1	4.3	4.4
149.5°	2.3	2.8	2.8	2.6	2.8	3.3	3.7	3.9	4.1	4.3	4.4
150°	2.3	2.7	2.8	2.6	2.7	3.3	3.6	3.8	4.1	4.3	4.4
150.5°	2.3	2.7	2.8	2.6	2.7	3.2	3.6	3.8	4.1	4.2	4.3
151°	2.2	2.7	2.8	2.6	2.7	3.2	3.6	3.8	4.0	4.1	4.3
151.5°	2.1	2.7	2.8	2.7	2.7	3.1	3.6	3.8	4.0	4.1	4.3
152°	2.1	2.6	2.9	2.7	2.7	3.1	3.5	3.8	4.0	4.1	4.3
152.5°	2.1	2.6	2.9	2.7	2.7	3.0	3.5	3.8	4.0	4.1	4.3
153°	2.1	2.6	2.9	2.7	2.7	3.0	3.4	3.8	4.0	4.1	4.2
153.5°	1.9	2.6	2.9	2.7	2.7	2.9	3.3	3.7	3.9	4.1	4.2
154°	1.8	2.5	2.9	2.7	2.7	2.9	3.3	3.6	3.8	4.0	4.1
154.5°	1.7	2.5	2.9	2.8	2.7	2.9	3.2	3.6	3.8	3.9	4.0
155°	1.7	2.4	2.9	2.8	2.7	2.8	3.1	3.5	3.7	3.8	3.9
155.5°	1.8	2.4	2.9	2.8	2.8	2.8	3.1	3.4	3.6	3.8	3.8
156°	1.7	2.5	2.9	2.8	2.8	2.8	3.0	3.3	3.6	3.7	3.7



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
157.5°	1.5	2.4	2.9	2.8	2.9	2.9	2.9	3.1	3.3	3.4	3.5
158°	1.6	2.5	2.9	2.9	2.9	2.9	2.9	3.1	3.3	3.4	3.4
158.5°	1.6	2.5	2.9	2.9	2.9	2.9	2.9	3.0	3.2	3.3	3.3
159°	1.6	2.4	2.9	2.9	2.9	2.9	2.9	3.0	3.1	3.2	3.3
159.5°	1.6	2.4	2.8	2.9	3.0	2.9	2.9	3.0	3.1	3.2	3.2
160°	1.6	2.4	2.8	2.9	3.0	3.0	2.9	3.0	3.0	3.1	3.2
160.5°	1.6	2.3	2.8	2.9	3.0	3.0	2.9	3.0	3.0	3.1	3.1
161°	1.6	2.3	2.8	2.9	3.0	3.0	3.0	3.0	3.0	3.1	3.1
161.5°	1.6	2.3	2.8	2.9	3.0	3.1	3.0	3.0	3.0	3.0	3.1
162°	1.6	2.3	2.8	2.9	3.0	3.1	3.0	3.0	3.0	3.0	3.1
162.5°	1.6	2.3	2.7	2.9	3.1	3.1	3.1	3.0	3.0	3.0	3.1
163°	1.6	2.2	2.7	2.9	3.1	3.1	3.1	3.1	3.0	3.1	3.1
163.5°	1.6	2.2	2.7	2.9	3.1	3.1	3.1	3.1	3.1	3.1	3.1
164°	1.6	2.1	2.7	2.9	3.1	3.1	3.1	3.1	3.1	3.1	3.1
164.5°	1.6	2.0	2.7	2.9	3.1	3.2	3.1	3.1	3.1	3.1	3.1
165°	1.7	1.9	2.7	2.9	3.1	3.2	3.2	3.1	3.1	3.1	3.2
165.5°	1.7	2.0	2.6	2.9	3.1	3.2	3.2	3.2	3.2	3.1	3.2
166°	1.7	2.0	2.7	2.8	3.1	3.2	3.2	3.2	3.2	3.2	3.2
166.5°	1.7	2.0	2.8	2.8	3.1	3.2	3.2	3.2	3.2	3.2	3.2
167°	1.7	2.0	2.6	2.8	3.1	3.2	3.2	3.2	3.2	3.2	3.3
167.5°	1.7	2.1	2.5	2.8	3.0	3.2	3.3	3.3	3.3	3.2	3.3
168°	1.7	2.1	2.5	2.6	3.0	3.2	3.3	3.3	3.3	3.3	3.3
168.5°	1.7	2.0	2.6	2.6	3.1	3.2	3.3	3.3	3.3	3.3	3.3
169°	1.8	1.8	2.5	2.7	3.0	3.2	3.3	3.3	3.3	3.3	3.3
169.5°	1.8	2.0	2.2	2.8	2.7	3.1	3.3	3.3	3.3	3.3	3.3
170°	1.9	2.2	2.3	2.6	2.7	3.0	3.2	3.3	3.3	3.3	3.3
170.5°	2.1	2.1	2.5	2.5	3.0	3.1	3.2	3.3	3.3	3.3	3.3
171°	2.4	2.2	2.5	2.6	2.9	3.0	3.2	3.3	3.3	3.3	3.3
171.5°	2.4	2.4	2.4	2.6	2.5	2.7	3.1	3.3	3.3	3.3	3.3
172°	2.4	2.5	2.4	2.5	2.6	2.6	3.1	3.2	3.3	3.3	3.3
172.5°	2.5	2.5	2.5	2.5	2.7	2.9	3.0	3.2	3.2	3.2	3.2
173°	2.5	2.5	2.6	2.6	2.6	2.8	3.0	3.1	3.2	3.2	3.2
173.5°	2.5	2.6	2.6	2.6	2.6	2.6	3.0	3.1	3.1	3.1	3.1
174°	2.6	2.6	2.7	2.5	2.7	2.8	2.9	3.0	3.1	3.1	3.1
174.5°	2.7	2.7	2.7	2.6	2.5	2.6	2.7	2.9	3.1	3.1	3.1
175°	2.7	2.8	2.8	2.7	2.5	2.6	2.8	3.0	3.1	3.0	3.1
175.5°	2.8	2.8	2.8	2.7	2.6	2.5	2.8	3.0	3.1	3.0	3.0
176°	2.8	2.8	2.8	2.7	2.5	2.4	2.6	2.9	3.1	3.0	3.0
176.5°	2.8	2.8	2.8	2.8	2.6	2.5	2.6	2.8	3.0	3.0	3.0
177°	2.8	2.8	2.9	2.9	2.6	2.5	2.6	2.8	2.9	2.9	2.9
177.5°	2.8	2.8	2.9	2.8	2.5	2.4	2.6	2.7	2.9	2.9	2.8
178°	2.8	2.8	2.8	2.7	2.6	2.4	2.4	2.6	2.8	2.9	2.7
178.5°	2.9	2.9	2.8	2.6	2.4	2.3	2.3	2.5	2.7	2.9	2.7



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
180°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7
0.5°	1505.0	1504.9	1504.8	1504.7	1504.5	1504.3	1504.2	1504.1	1504.0	1504.0	1504.1
1°	1505.0	1505.1	1505.3	1505.5	1505.3	1505.0	1504.6	1504.2	1503.9	1503.7	1503.7
1.5°	1505.4	1505.2	1504.8	1504.1	1503.6	1503.6	1503.6	1503.5	1503.1	1502.9	1502.8
2°	1505.3	1504.2	1502.9	1503.0	1502.9	1502.3	1502.1	1502.2	1501.9	1501.8	1501.7
2.5°	1504.1	1504.0	1504.1	1503.2	1503.1	1502.8	1501.9	1501.7	1501.4	1501.2	1500.8
3°	1503.5	1503.2	1502.9	1502.2	1502.2	1501.9	1501.6	1501.1	1499.9	1498.9	1499.2
3.5°	1502.3	1502.0	1501.9	1502.0	1501.3	1500.2	1500.0	1500.2	1498.4	1497.8	1497.5
4°	1502.0	1501.3	1500.7	1500.8	1500.5	1499.8	1498.7	1499.0	1498.0	1496.8	1495.8
4.5°	1499.3	1500.1	1498.7	1499.6	1499.6	1498.6	1497.4	1496.7	1496.2	1495.1	1494.4
5°	1498.7	1498.6	1498.3	1497.6	1497.9	1497.4	1496.3	1495.4	1494.8	1493.9	1492.0
5.5°	1497.8	1497.2	1496.9	1496.0	1496.4	1495.3	1495.1	1494.0	1493.5	1492.3	1490.2
6°	1496.1	1495.4	1494.7	1494.4	1494.2	1493.7	1493.3	1492.1	1491.3	1490.5	1487.8
6.5°	1493.9	1493.4	1493.0	1492.4	1492.0	1492.6	1491.6	1490.3	1488.6	1488.5	1485.8
7°	1492.1	1491.1	1491.6	1490.6	1490.3	1490.5	1489.8	1487.9	1486.3	1485.6	1483.8
7.5°	1489.6	1488.9	1489.1	1489.1	1487.9	1488.0	1487.1	1486.2	1483.8	1483.4	1481.8
8°	1487.2	1486.9	1486.5	1486.6	1486.1	1486.2	1484.2	1483.2	1481.6	1481.0	1478.5
8.5°	1484.2	1484.3	1483.8	1483.6	1484.0	1483.1	1482.9	1480.9	1479.9	1478.0	1475.9
9°	1481.2	1481.5	1481.2	1481.1	1481.6	1480.3	1479.9	1478.8	1476.5	1475.1	1473.1
9.5°	1478.7	1478.9	1478.0	1478.2	1478.3	1478.1	1476.6	1475.4	1473.0	1471.9	1469.4
10°	1475.4	1475.6	1474.9	1475.8	1475.3	1474.1	1474.2	1472.6	1470.3	1468.8	1466.2
10.5°	1472.1	1472.5	1471.1	1472.7	1472.2	1471.4	1471.4	1469.8	1467.7	1465.0	1463.0
11°	1468.0	1469.3	1468.6	1469.8	1469.2	1468.8	1468.3	1466.7	1464.1	1461.3	1459.1
11.5°	1464.2	1465.6	1464.7	1465.8	1465.8	1465.9	1464.7	1462.8	1460.1	1458.2	1455.1
12°	1460.5	1461.3	1461.1	1461.8	1462.6	1461.8	1461.1	1459.3	1457.0	1454.8	1451.3
12.5°	1456.6	1457.6	1457.5	1457.8	1459.0	1458.2	1457.4	1455.9	1453.7	1450.3	1447.8
13°	1452.4	1453.4	1453.0	1453.5	1454.6	1454.2	1454.0	1452.3	1450.2	1446.2	1443.7
13.5°	1447.7	1448.3	1448.4	1449.7	1450.4	1450.1	1450.0	1448.3	1445.4	1441.9	1438.6
14°	1442.7	1443.8	1444.6	1445.7	1446.4	1446.2	1445.9	1444.7	1441.1	1437.7	1434.1
14.5°	1437.8	1439.0	1440.0	1441.1	1442.3	1442.2	1441.8	1440.2	1437.5	1433.0	1429.4
15°	1432.7	1434.7	1435.1	1436.5	1438.3	1437.6	1437.6	1435.4	1433.2	1427.8	1424.6
15.5°	1427.5	1430.1	1430.7	1432.1	1433.8	1432.8	1433.3	1430.8	1428.1	1423.4	1419.7
16°	1421.8	1424.3	1425.4	1426.9	1428.7	1428.5	1428.5	1426.7	1423.2	1419.2	1414.9
16.5°	1416.5	1419.1	1420.2	1421.8	1423.4	1423.8	1423.4	1422.2	1418.9	1414.3	1409.4
17°	1410.7	1413.2	1414.6	1416.4	1418.7	1418.6	1418.5	1417.3	1413.7	1408.8	1403.5
17.5°	1404.8	1407.8	1409.3	1411.0	1413.9	1414.0	1414.5	1412.1	1408.4	1403.6	1398.1
18°	1399.0	1401.3	1403.8	1406.3	1408.3	1408.4	1408.8	1406.5	1402.8	1398.2	1392.2
18.5°	1392.5	1394.7	1398.2	1400.4	1402.9	1402.7	1402.7	1401.4	1397.5	1392.1	1386.0
19°	1385.7	1388.3	1391.8	1394.0	1397.3	1397.6	1397.7	1396.0	1392.5	1386.2	1380.3
19.5°	1379.0	1382.0	1385.4	1388.5	1391.2	1391.7	1392.1	1390.3	1386.6	1380.5	1374.0
20°	1373.0	1376.1	1379.3	1382.4	1385.1	1386.2	1386.2	1384.8	1380.8	1374.5	1367.7
20.5°	1366.1	1369.1	1373.0	1375.7	1379.4	1380.1	1380.1	1379.1	1374.9	1368.4	1361.2
21°	1358.7	1362.8	1365.9	1369.2	1372.8	1374.4	1374.4	1372.7	1368.7	1361.8	1354.7



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
22.5°	1336.4	1340.1	1344.8	1349.7	1353.4	1355.5	1355.4	1353.3	1349.4	1341.7	1334.5
23°	1328.6	1332.7	1337.9	1342.5	1346.6	1348.5	1348.7	1346.6	1342.8	1335.3	1326.8
23.5°	1320.7	1325.0	1330.2	1334.8	1340.1	1342.2	1342.4	1340.3	1335.8	1328.8	1319.7
24°	1312.3	1317.6	1322.3	1327.7	1332.6	1335.0	1335.4	1333.6	1329.2	1321.6	1312.5
24.5°	1304.1	1309.3	1314.9	1320.1	1325.2	1328.1	1328.9	1326.7	1322.0	1314.2	1304.9
25°	1296.2	1301.0	1307.2	1312.6	1317.8	1321.1	1322.0	1319.7	1314.8	1306.5	1297.0
25.5°	1287.5	1293.1	1298.9	1304.6	1310.2	1313.6	1314.5	1312.3	1307.5	1299.1	1289.6
26°	1278.9	1284.7	1290.9	1296.5	1302.7	1306.0	1306.7	1305.4	1300.2	1291.4	1281.5
26.5°	1270.2	1275.7	1282.3	1288.5	1295.3	1298.9	1299.4	1297.8	1292.3	1283.9	1273.5
27°	1260.9	1267.2	1273.9	1280.5	1286.9	1290.9	1291.8	1289.7	1284.9	1275.9	1265.3
27.5°	1252.0	1258.0	1265.3	1272.1	1279.3	1282.8	1283.8	1282.1	1277.0	1268.0	1256.9
28°	1242.5	1249.4	1256.1	1264.0	1270.9	1274.5	1275.8	1274.3	1269.0	1259.9	1248.3
28.5°	1233.2	1239.9	1247.7	1255.4	1262.2	1266.7	1268.0	1266.6	1261.0	1251.5	1240.3
29°	1223.6	1230.7	1238.9	1246.1	1254.3	1259.0	1260.2	1258.2	1252.8	1243.3	1231.5
29.5°	1213.6	1220.6	1229.5	1237.3	1245.6	1249.9	1252.2	1250.1	1244.1	1234.7	1222.4
30°	1204.2	1211.6	1220.3	1228.8	1236.8	1242.4	1243.1	1241.6	1235.5	1226.1	1213.7
30.5°	1194.3	1201.1	1210.9	1220.0	1227.9	1233.4	1234.4	1232.7	1227.8	1217.3	1204.5
31°	1183.5	1192.0	1201.6	1210.4	1219.2	1224.1	1226.4	1224.9	1218.8	1208.1	1195.6
31.5°	1173.2	1182.1	1191.8	1200.7	1210.5	1215.7	1217.4	1215.7	1209.6	1199.7	1186.4
32°	1163.0	1171.7	1181.9	1191.8	1200.8	1206.6	1208.2	1207.0	1201.3	1190.5	1177.0
32.5°	1152.6	1161.9	1172.3	1182.1	1191.3	1197.6	1199.5	1198.4	1191.8	1181.4	1167.7
33°	1142.1	1151.3	1162.5	1172.5	1182.7	1188.2	1190.7	1188.9	1183.0	1172.2	1157.7
33.5°	1131.3	1140.9	1152.1	1163.0	1172.8	1179.1	1181.0	1180.1	1173.7	1162.5	1148.1
34°	1120.7	1130.4	1141.9	1153.0	1162.6	1169.6	1171.8	1171.2	1164.5	1153.1	1138.5
34.5°	1110.2	1119.8	1131.6	1142.8	1153.2	1160.5	1162.7	1161.5	1154.6	1143.9	1129.8
35°	1099.1	1108.7	1121.1	1132.4	1143.7	1150.5	1153.4	1151.9	1145.4	1134.1	1120.4
35.5°	1087.4	1098.4	1110.6	1122.3	1133.7	1140.3	1143.5	1142.3	1135.9	1125.0	1109.7
36°	1076.2	1087.3	1100.0	1112.4	1123.2	1131.0	1133.9	1133.1	1126.4	1114.6	1099.2
36.5°	1065.1	1075.9	1089.4	1102.2	1113.3	1121.3	1124.2	1123.5	1116.2	1104.3	1088.6
37°	1053.8	1065.2	1078.5	1090.9	1103.6	1111.6	1114.2	1113.3	1106.1	1094.1	1078.1
37.5°	1042.7	1053.7	1067.6	1080.9	1093.0	1101.3	1104.1	1103.1	1095.9	1083.8	1067.6
38°	1031.1	1042.9	1057.0	1070.5	1082.9	1090.8	1094.0	1092.9	1085.8	1073.5	1057.1
38.5°	1020.0	1031.1	1046.2	1059.5	1071.5	1080.3	1083.9	1082.7	1075.6	1063.2	1046.3
39°	1008.3	1020.2	1034.8	1048.5	1061.3	1069.8	1073.4	1072.3	1065.1	1052.7	1035.9
39.5°	997.0	1008.7	1023.6	1037.6	1050.6	1059.3	1062.7	1061.6	1054.5	1042.4	1024.9
40°	985.0	997.0	1012.2	1026.7	1039.9	1049.0	1052.5	1051.2	1044.1	1031.6	1014.3
40.5°	972.9	985.6	1000.5	1016.1	1028.7	1038.4	1041.8	1040.3	1033.5	1021.1	1003.5
41°	961.0	973.6	989.4	1004.5	1018.2	1027.1	1030.8	1029.9	1022.8	1010.6	992.7
41.5°	949.7	962.2	978.1	993.1	1006.8	1016.4	1020.3	1019.2	1012.4	999.2	981.2
42°	938.2	951.1	966.6	982.0	995.8	1005.3	1009.0	1008.8	1001.1	987.8	970.1
42.5°	926.4	939.3	955.2	970.8	984.5	994.2	998.3	997.6	990.5	977.2	958.7
43°	914.6	926.8	943.4	959.4	973.5	984.0	987.2	986.5	979.2	966.3	948.5
43.5°	902.2	915.6	932.0	948.0	962.5	972.3	976.2	975.5	967.9	955.1	936.9



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
45°	867.1	880.2	897.0	913.4	928.7	938.5	942.3	941.9	934.7	920.9	902.6
45.5°	854.7	868.0	885.3	901.9	916.5	926.6	931.3	930.7	922.8	909.5	891.1
46°	842.8	856.0	873.5	890.0	904.9	915.7	919.5	919.1	911.2	898.3	879.6
46.5°	830.8	844.6	861.2	878.3	893.0	903.7	907.9	907.3	899.9	886.8	868.2
47°	819.1	832.2	849.4	866.8	881.9	892.7	896.7	895.9	888.2	875.1	856.5
47.5°	807.1	821.1	837.6	854.8	870.3	881.1	884.4	884.3	876.9	863.5	844.8
48°	795.2	808.5	825.8	843.0	858.5	869.3	873.0	872.3	865.2	852.0	833.2
48.5°	783.5	796.8	814.5	831.5	846.2	857.1	861.1	860.8	853.5	840.2	821.2
49°	771.4	785.2	802.8	819.5	835.1	845.6	849.6	849.3	842.1	828.3	809.8
49.5°	760.0	773.5	790.8	807.6	822.7	834.2	838.2	837.4	830.0	816.6	798.3
50°	748.3	761.2	778.9	795.4	811.5	822.2	826.4	825.7	818.3	805.1	786.3
50.5°	736.6	749.6	766.9	784.0	799.4	810.4	814.4	813.7	806.7	793.0	774.3
51°	724.6	737.9	755.2	772.4	787.8	798.3	802.2	801.8	794.2	781.1	762.6
51.5°	713.3	726.8	743.3	760.5	775.5	786.9	790.3	789.9	782.6	769.6	750.8
52°	701.7	714.5	731.6	748.3	763.9	774.1	778.6	778.0	770.7	757.2	738.9
52.5°	690.4	703.0	719.9	736.5	751.8	762.5	766.8	767.1	758.6	745.1	727.1
53°	678.9	691.5	708.0	724.9	740.2	750.4	755.5	755.1	746.5	733.4	715.4
53.5°	667.4	680.2	696.5	712.9	728.3	738.8	744.7	741.7	734.6	721.8	703.5
54°	655.9	667.7	685.0	701.0	716.4	726.5	731.8	729.6	722.2	709.5	691.9
54.5°	644.9	656.8	673.1	689.4	703.9	714.9	718.5	717.6	710.4	697.7	680.1
55°	633.2	645.6	661.6	677.6	692.3	702.6	706.4	705.3	698.2	685.8	668.1
55.5°	621.8	634.3	650.3	665.9	680.1	690.7	693.9	693.0	685.9	673.7	656.1
56°	610.6	622.7	638.6	653.9	668.2	678.1	681.8	682.2	674.2	661.6	644.4
56.5°	599.6	611.4	626.9	642.3	656.4	666.0	670.4	670.0	662.2	649.6	632.6
57°	588.8	600.1	615.1	630.7	644.4	654.2	659.7	656.3	650.3	637.7	620.8
57.5°	577.7	589.2	603.6	619.4	632.5	642.3	646.9	644.4	637.3	625.5	609.1
58°	566.6	578.0	592.7	607.6	620.3	630.1	632.9	632.2	625.3	613.6	597.2
58.5°	556.0	566.7	581.0	595.4	608.3	617.8	620.8	620.3	613.1	602.0	585.4
59°	545.3	555.6	569.4	583.5	596.8	605.6	608.9	608.2	601.3	589.6	573.5
59.5°	534.3	544.9	558.2	572.1	585.0	594.3	597.7	595.1	588.8	577.5	562.1
60°	523.9	534.1	546.9	560.8	574.0	582.4	585.1	583.0	576.7	565.6	549.9
60.5°	513.3	523.1	536.0	549.2	562.4	569.6	571.7	570.9	564.1	553.5	538.4
61°	502.7	512.3	525.1	537.8	549.8	556.9	559.2	558.8	552.1	541.4	526.8
61.5°	492.2	501.4	513.9	526.9	537.4	545.2	547.4	546.1	539.5	529.2	514.8
62°	481.6	490.4	502.7	515.2	529.2	534.5	536.1	534.0	527.3	517.6	503.2
62.5°	470.9	479.5	491.4	504.0	516.6	530.5	520.4	521.4	515.4	505.6	491.4
63°	460.5	468.9	480.1	492.2	505.0	515.8	508.3	509.5	503.4	493.6	480.3
63.5°	450.5	458.5	469.0	480.2	492.0	501.6	496.6	497.0	490.7	481.8	468.7
64°	440.5	448.2	458.1	468.5	478.8	487.3	484.8	484.5	478.8	469.9	457.1
64.5°	430.4	437.5	447.4	457.3	466.8	473.1	472.9	472.3	466.7	457.8	445.4
65°	420.5	427.4	436.9	446.3	454.8	460.4	460.8	460.3	454.7	445.9	434.4
65.5°	410.6	417.3	426.1	435.0	443.1	448.1	449.2	447.9	442.5	434.2	422.7
66°	400.6	407.2	415.2	424.1	431.5	437.2	437.1	435.7	430.5	422.4	411.2



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
67.5°	371.9	377.0	384.4	391.4	397.4	400.7	400.3	399.3	394.4	387.2	377.6
68°	362.2	367.3	374.1	380.4	385.8	389.1	388.1	387.3	382.4	375.4	366.0
68.5°	352.9	357.4	363.4	369.5	374.5	377.2	376.6	375.1	370.1	363.6	355.1
69°	343.4	347.4	353.3	358.6	363.0	365.5	364.4	362.9	358.1	352.3	343.9
69.5°	333.8	337.6	343.2	348.1	352.2	354.1	352.5	350.5	346.4	340.8	333.1
70°	324.3	328.2	333.2	337.7	341.0	342.1	340.2	338.9	334.6	329.2	322.0
70.5°	315.5	318.7	323.3	327.1	329.8	330.4	328.5	326.9	322.4	317.9	310.9
71°	306.5	309.4	313.4	316.7	318.8	319.0	316.4	315.1	311.1	306.2	299.9
71.5°	297.3	300.2	303.4	306.1	307.8	307.4	304.7	303.1	299.2	295.0	289.3
72°	288.3	290.7	293.6	295.9	296.9	296.1	293.1	291.3	287.4	283.6	278.6
72.5°	279.5	281.3	283.9	285.5	286.4	284.9	281.4	279.4	275.8	272.5	268.0
73°	270.6	272.0	274.2	275.4	275.7	273.5	269.8	267.7	264.2	261.3	257.2
73.5°	261.9	262.9	264.7	265.4	265.0	262.4	258.3	256.1	252.9	250.3	246.8
74°	253.5	254.1	255.4	255.6	254.3	251.3	246.8	244.6	241.6	239.2	236.4
74.5°	244.9	245.3	246.0	245.6	243.8	240.3	235.3	232.8	230.2	228.2	226.3
75°	236.3	236.4	236.6	235.5	233.3	229.4	224.2	221.6	219.1	217.6	216.1
75.5°	228.1	227.7	227.5	225.9	223.1	218.5	213.0	210.3	207.8	207.0	206.2
76°	219.9	219.2	218.3	216.3	213.0	207.9	201.9	199.1	196.9	196.5	196.0
76.5°	211.7	210.6	209.4	206.6	203.0	197.3	190.8	187.9	186.1	186.1	186.4
77°	203.6	202.2	200.7	197.7	192.9	186.8	180.2	177.0	175.4	175.7	176.7
77.5°	195.6	193.9	191.9	188.3	183.1	176.4	169.4	166.3	164.7	165.8	167.3
78°	187.9	185.9	183.2	179.1	173.4	166.3	159.0	155.6	154.4	155.7	157.5
78.5°	180.2	177.8	174.8	170.2	164.0	156.3	148.7	145.2	144.1	145.9	148.6
79°	172.6	170.0	166.5	161.4	154.7	146.5	138.5	135.3	134.4	136.8	140.1
79.5°	165.2	162.2	158.3	152.5	145.6	136.8	128.3	125.4	124.7	127.8	131.5
80°	157.8	154.6	150.3	144.1	136.4	127.2	118.6	115.5	115.0	118.7	123.0
80.5°	150.6	147.1	142.4	135.5	127.6	118.1	109.1	105.6	105.4	109.6	114.5
81°	143.8	139.9	134.8	127.6	119.0	109.1	99.9	96.1	96.3	100.5	106.0
81.5°	136.9	132.7	127.2	119.6	110.8	100.4	90.8	86.6	87.5	92.0	98.0
82°	130.0	125.7	120.0	112.1	102.4	91.8	82.0	77.7	78.7	83.7	90.2
82.5°	123.4	118.9	112.8	104.4	94.5	83.5	73.6	69.4	70.4	75.8	82.8
83°	117.1	112.3	105.9	97.3	87.0	75.5	65.5	61.2	62.5	68.3	75.7
83.5°	110.9	106.0	99.2	90.2	79.6	68.0	57.8	53.5	55.1	61.0	68.8
84°	104.8	99.8	92.8	83.5	72.5	60.7	50.4	46.0	47.7	54.0	62.3
84.5°	99.0	93.7	86.4	76.7	65.7	53.8	44.2	39.0	40.9	47.4	56.1
85°	93.2	87.8	80.3	70.7	59.3	48.1	37.9	32.4	34.4	41.4	50.3
85.5°	87.7	82.2	74.5	64.7	53.3	42.4	31.7	26.3	28.5	35.7	44.9
86°	82.4	76.8	69.0	59.1	48.4	36.8	25.5	21.8	23.1	30.6	39.9
86.5°	77.3	71.7	63.7	53.8	43.5	31.2	20.1	17.4	19.5	25.8	35.1
87°	72.3	66.6	58.6	49.5	38.6	25.6	15.5	13.0	15.9	21.6	30.7
87.5°	67.6	61.7	54.0	45.1	33.7	21.2	11.6	8.5	12.3	18.9	26.8
88°	63.0	57.2	49.9	40.7	28.8	17.5	8.3	4.1	8.7	16.2	23.3
88.5°	58.7	52.7	46.0	36.3	24.9	14.3	5.8	1.9	5.3	13.4	20.2



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
90°	47.6	42.0	34.4	25.4	15.9	7.4	2.6	0.6	2.2	6.7	14.2
90.5°	44.2	38.5	31.2	22.5	13.6	6.0	1.5	0.5	1.9	5.8	12.5
91°	40.8	35.3	28.2	19.9	11.7	5.3	1.2	0.3	1.7	5.1	10.9
91.5°	37.6	32.3	25.5	17.7	10.0	4.6	0.9	0.2	1.5	4.6	9.2
92°	34.7	29.6	23.0	15.7	8.8	4.0	0.8	0.3	1.3	4.2	8.4
92.5°	32.0	27.1	20.9	14.0	7.7	3.3	0.6	0.3	1.3	4.0	7.8
93°	29.5	24.8	18.9	12.6	6.9	2.9	0.5	0.4	1.1	3.7	7.3
93.5°	27.3	22.8	17.2	11.3	6.3	2.7	0.5	0.4	1.0	3.5	7.0
94°	25.2	20.8	15.6	10.3	5.8	2.4	0.5	0.5	1.0	3.4	6.6
94.5°	23.2	19.2	14.3	9.4	5.5	2.2	0.5	0.5	1.0	3.4	6.3
95°	21.4	17.6	13.1	8.7	5.1	2.0	0.5	0.6	1.0	3.3	6.1
95.5°	19.8	16.3	12.1	8.2	4.8	1.9	0.6	0.7	1.0	3.3	5.9
96°	18.4	15.1	11.3	7.8	4.5	1.8	0.7	0.7	1.0	3.2	5.8
96.5°	17.2	14.1	10.7	7.4	4.2	1.7	0.8	0.8	1.0	3.1	5.7
97°	16.0	13.2	10.1	7.0	4.0	1.6	0.8	0.9	1.0	2.9	5.6
97.5°	15.1	12.5	9.7	6.7	3.8	1.5	0.9	1.0	1.0	2.8	5.5
98°	14.2	11.9	9.2	6.4	3.5	1.4	1.0	1.1	1.0	2.8	5.4
98.5°	13.5	11.4	8.8	6.1	3.4	1.3	1.1	1.2	1.1	2.7	5.4
99°	12.9	10.9	8.5	5.8	3.2	1.3	1.1	1.3	1.2	2.7	5.2
99.5°	12.4	10.5	8.1	5.5	3.0	1.3	1.2	1.4	1.3	2.7	5.1
100°	11.9	10.1	7.8	5.2	2.8	1.3	1.3	1.5	1.4	2.7	5.0
100.5°	11.5	9.7	7.4	4.9	2.7	1.3	1.4	1.7	1.5	2.6	4.9
101°	11.1	9.3	7.1	4.7	2.5	1.3	1.4	1.8	1.5	2.6	4.8
101.5°	10.7	8.9	6.8	4.4	2.4	1.3	1.5	1.8	1.6	2.5	4.7
102°	10.3	8.6	6.5	4.2	2.2	1.3	1.5	1.9	1.7	2.4	4.6
102.5°	9.9	8.2	6.2	4.0	2.1	1.3	1.7	2.0	1.8	2.4	4.5
103°	9.5	7.9	6.0	3.8	2.0	1.3	1.8	2.0	1.8	2.3	4.4
103.5°	9.1	7.6	5.7	3.6	1.9	1.4	1.8	2.1	1.9	2.2	4.3
104°	8.8	7.3	5.5	3.5	1.9	1.5	1.9	2.1	2.0	2.2	4.2
104.5°	8.5	7.0	5.2	3.3	1.9	1.6	2.0	2.2	2.1	2.1	4.1
105°	8.1	6.7	5.0	3.1	1.9	1.7	2.1	2.2	2.1	2.1	4.0
105.5°	7.8	6.4	4.8	3.0	1.8	1.7	2.5	2.3	2.2	2.1	3.8
106°	7.5	6.2	4.6	2.8	1.8	1.8	2.8	2.4	2.3	2.1	3.7
106.5°	7.2	5.9	4.4	2.7	1.8	1.8	3.0	2.5	2.5	2.0	3.5
107°	6.9	5.7	4.1	2.6	1.8	1.8	3.3	2.5	2.8	2.0	3.4
107.5°	6.6	5.4	4.0	2.5	1.8	1.9	3.3	2.5	3.0	2.0	3.3
108°	6.4	5.2	3.8	2.4	1.8	1.9	3.3	2.6	3.0	2.0	3.2
108.5°	6.1	5.0	3.6	2.3	1.8	2.0	3.2	2.6	2.9	2.1	3.1
109°	5.9	4.7	3.4	2.3	1.9	2.1	3.1	2.7	2.9	2.1	3.0
109.5°	5.6	4.5	3.3	2.2	2.0	2.1	3.1	2.7	2.9	2.2	3.0
110°	5.4	4.3	3.1	2.1	2.0	2.2	3.1	2.7	3.0	2.2	2.9
110.5°	5.2	4.1	3.0	2.1	2.0	2.3	3.1	2.8	3.1	2.3	2.9
111°	5.0	3.9	2.9	2.1	2.1	2.4	3.1	2.8	3.1	2.4	2.8



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	4.4	3.5	2.6	2.0	2.1	2.7	3.1	2.9	3.4	2.5	2.7
113°	4.2	3.3	2.5	2.0	2.2	2.9	3.2	2.9	3.5	2.6	2.7
113.5°	4.0	3.2	2.4	2.0	2.2	3.0	3.2	2.9	3.5	2.6	2.6
114°	3.8	3.1	2.4	2.0	2.3	3.2	3.3	3.0	3.6	2.6	2.5
114.5°	3.7	3.0	2.4	2.1	2.4	3.3	3.3	3.0	3.6	2.7	2.4
115°	3.6	2.9	2.4	2.1	2.5	3.4	3.4	3.0	3.6	2.7	2.3
115.5°	3.4	2.9	2.4	2.2	2.6	3.6	3.4	3.0	3.7	2.8	2.3
116°	3.3	2.8	2.3	2.2	2.7	3.7	3.4	3.0	3.7	2.9	2.3
116.5°	3.2	2.8	2.3	2.3	2.7	3.8	3.5	3.0	3.7	2.9	2.4
117°	3.1	2.7	2.3	2.4	2.8	3.9	3.5	3.0	3.8	3.0	2.4
117.5°	3.0	2.7	2.3	2.5	2.9	3.9	3.5	3.0	3.8	3.1	2.5
118°	2.9	2.6	2.3	2.5	3.0	3.9	3.6	3.0	3.8	3.1	2.5
118.5°	2.9	2.6	2.3	2.6	3.1	4.1	3.7	3.0	3.9	3.1	2.6
119°	2.8	2.5	2.3	2.7	3.1	4.2	3.7	3.0	3.9	3.2	2.6
119.5°	2.7	2.5	2.3	2.7	3.2	4.4	3.7	3.0	3.9	3.3	2.7
120°	2.7	2.4	2.4	2.8	3.3	4.4	3.8	3.0	3.9	3.4	2.8
120.5°	2.6	2.4	2.4	2.9	3.3	4.5	3.8	3.0	4.0	3.5	2.8
121°	2.6	2.3	2.5	2.9	3.4	4.6	3.8	3.0	4.0	3.6	2.9
121.5°	2.5	2.3	2.5	3.0	3.5	4.7	3.8	3.0	4.0	3.6	2.9
122°	2.5	2.3	2.6	3.0	3.6	4.7	3.8	3.0	4.0	3.6	3.0
122.5°	2.4	2.3	2.6	3.1	3.7	4.6	3.8	3.0	4.0	3.6	3.0
123°	2.4	2.4	2.7	3.1	3.8	4.5	3.7	3.0	4.0	3.6	3.1
123.5°	2.3	2.4	2.7	3.2	3.8	4.5	3.7	3.0	4.1	3.6	3.1
124°	2.3	2.4	2.8	3.2	3.9	4.4	3.7	3.0	4.1	3.7	3.2
124.5°	2.3	2.5	2.9	3.3	4.0	4.3	3.6	3.0	4.1	3.7	3.2
125°	2.3	2.5	2.9	3.4	4.1	4.3	3.6	3.0	4.1	3.8	3.2
125.5°	2.3	2.6	3.0	3.4	4.3	4.2	3.6	3.0	4.1	3.8	3.3
126°	2.4	2.6	3.0	3.5	4.4	4.2	3.5	3.0	4.1	3.8	3.3
126.5°	2.4	2.6	3.1	3.5	4.5	4.1	3.5	3.1	4.1	3.9	3.4
127°	2.4	2.7	3.1	3.6	4.6	4.1	3.5	3.1	4.1	3.9	3.4
127.5°	2.5	2.7	3.2	3.7	4.6	4.1	3.5	3.1	4.1	4.0	3.4
128°	2.5	2.8	3.2	3.8	4.6	4.0	3.5	3.1	4.1	4.0	3.5
128.5°	2.5	2.8	3.3	3.8	4.7	4.0	3.5	3.1	4.1	4.0	3.5
129°	2.6	2.9	3.3	3.9	4.8	4.0	3.5	3.1	4.1	4.0	3.7
129.5°	2.6	2.9	3.4	4.0	4.8	4.0	3.5	3.1	4.1	4.0	3.8
130°	2.7	3.0	3.4	4.1	4.9	4.0	3.5	3.1	4.0	4.0	3.9
130.5°	2.7	3.0	3.5	4.2	4.9	4.0	3.5	3.1	4.1	4.1	3.9
131°	2.8	3.1	3.6	4.2	5.0	4.0	3.4	3.1	4.1	4.1	3.9
131.5°	2.8	3.1	3.6	4.3	5.0	4.0	3.4	3.1	4.1	4.1	3.8
132°	2.8	3.2	3.7	4.4	5.0	4.0	3.4	3.1	4.1	4.1	3.8
132.5°	2.9	3.2	3.7	4.5	5.0	4.0	3.4	3.1	4.1	4.2	3.8
133°	2.9	3.3	3.8	4.6	5.0	3.9	3.4	3.2	4.1	4.2	3.9
133.5°	3.0	3.4	3.9	4.7	5.0	3.9	3.4	3.2	4.0	4.2	3.8



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
135°	3.1	3.5	4.1	5.0	4.8	3.9	3.4	3.2	4.0	4.2	3.8
135.5°	3.2	3.6	4.2	5.0	4.8	3.9	3.4	3.2	4.0	4.2	3.8
136°	3.2	3.6	4.2	5.0	4.7	3.9	3.5	3.2	4.0	4.2	3.9
136.5°	3.3	3.7	4.3	5.1	4.7	3.9	3.5	3.2	4.0	4.2	3.9
137°	3.3	3.8	4.3	5.1	4.6	3.9	3.5	3.2	3.9	4.2	3.9
137.5°	3.4	3.8	4.4	5.1	4.6	3.9	3.5	3.2	3.9	4.2	3.9
138°	3.5	3.9	4.5	5.2	4.5	3.9	3.5	3.2	3.9	4.2	3.9
138.5°	3.5	4.0	4.6	5.2	4.4	3.9	3.5	3.2	3.8	4.1	3.9
139°	3.6	4.0	4.7	5.2	4.4	3.9	3.5	3.2	3.7	4.2	3.9
139.5°	3.6	4.1	4.8	5.2	4.3	3.9	3.6	3.2	3.7	4.2	3.9
140°	3.7	4.1	4.9	5.1	4.2	3.9	3.6	3.2	3.8	4.2	4.0
140.5°	3.7	4.2	4.9	5.1	4.2	3.9	3.6	3.1	3.8	4.2	4.0
141°	3.8	4.2	4.9	5.0	4.1	3.9	3.5	3.1	3.8	4.3	3.9
141.5°	3.9	4.3	5.0	5.0	4.1	3.9	3.5	3.1	3.8	4.3	3.9
142°	3.9	4.4	5.0	4.9	4.0	3.9	3.6	3.1	3.8	4.3	3.9
142.5°	4.0	4.5	5.0	4.8	4.0	3.9	3.6	3.0	3.8	4.3	3.9
143°	4.0	4.7	5.1	4.7	3.9	3.9	3.5	3.0	3.7	4.2	3.8
143.5°	4.1	4.7	5.1	4.7	3.9	3.9	3.5	3.0	3.7	4.1	3.8
144°	4.2	4.8	5.0	4.6	3.9	3.9	3.5	3.1	3.7	4.1	3.9
144.5°	4.3	4.8	5.0	4.5	3.8	3.8	3.5	3.1	3.7	4.2	4.0
145°	4.4	4.8	4.9	4.4	3.8	3.8	3.6	3.1	3.7	4.3	4.0
145.5°	4.6	4.8	4.9	4.3	3.8	3.8	3.6	3.1	3.6	4.3	3.9
146°	4.6	4.8	4.8	4.3	3.8	3.8	3.6	3.1	3.6	4.3	3.9
146.5°	4.6	4.8	4.7	4.2	3.8	3.8	3.5	3.1	3.6	4.3	4.0
147°	4.6	4.7	4.7	4.1	3.7	3.8	3.5	3.0	3.5	4.3	4.0
147.5°	4.6	4.7	4.6	4.0	3.7	3.8	3.4	3.0	3.6	4.3	4.1
148°	4.6	4.7	4.5	3.9	3.7	3.6	3.4	3.1	3.6	4.2	4.1
148.5°	4.6	4.7	4.4	3.9	3.7	3.6	3.4	3.1	3.5	4.2	4.1
149°	4.5	4.6	4.3	3.8	3.7	3.7	3.5	3.1	3.5	4.2	4.1
149.5°	4.5	4.5	4.2	3.7	3.6	3.7	3.5	3.1	3.5	4.2	4.2
150°	4.5	4.5	4.1	3.7	3.6	3.7	3.4	3.1	3.5	4.2	4.2
150.5°	4.5	4.4	4.0	3.6	3.6	3.6	3.4	3.1	3.5	4.1	4.1
151°	4.5	4.3	3.9	3.6	3.5	3.6	3.4	3.1	3.4	4.1	4.0
151.5°	4.4	4.2	3.8	3.6	3.5	3.6	3.4	3.1	3.4	4.1	4.0
152°	4.4	4.1	3.8	3.5	3.6	3.6	3.3	3.1	3.4	4.0	4.1
152.5°	4.3	4.0	3.7	3.5	3.6	3.6	3.3	3.1	3.2	3.9	4.2
153°	4.2	3.9	3.6	3.5	3.6	3.6	3.3	3.0	3.0	3.9	4.2
153.5°	4.1	3.8	3.5	3.4	3.6	3.6	3.3	2.9	3.0	3.8	4.2
154°	4.0	3.8	3.5	3.4	3.6	3.5	3.3	2.9	2.9	3.8	4.2
154.5°	3.9	3.7	3.4	3.4	3.5	3.5	3.3	2.9	2.9	3.6	4.1
155°	3.8	3.6	3.4	3.4	3.5	3.4	3.3	2.9	2.8	3.4	3.9
155.5°	3.7	3.5	3.3	3.4	3.4	3.3	3.2	2.8	2.8	3.3	3.8
156°	3.6	3.4	3.3	3.4	3.4	3.2	3.1	2.7	2.8	3.2	3.6



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
157.5°	3.4	3.3	3.2	3.3	3.3	3.2	2.7	2.6	2.8	3.1	3.6
158°	3.3	3.2	3.2	3.4	3.4	3.2	2.6	2.7	2.7	3.1	3.5
158.5°	3.3	3.2	3.2	3.4	3.4	3.1	2.6	2.7	2.7	3.0	3.5
159°	3.2	3.2	3.2	3.3	3.4	3.1	2.6	2.6	2.7	3.0	3.4
159.5°	3.2	3.2	3.2	3.3	3.3	3.1	2.6	2.6	2.7	3.0	3.3
160°	3.2	3.2	3.2	3.2	3.2	3.1	2.6	2.6	2.7	2.9	3.3
160.5°	3.1	3.2	3.2	3.2	3.2	3.1	2.6	2.6	2.7	2.9	3.3
161°	3.1	3.2	3.3	3.2	3.3	3.1	2.6	2.6	2.7	2.9	3.2
161.5°	3.1	3.2	3.3	3.3	3.3	2.8	2.6	2.6	2.7	2.8	3.2
162°	3.1	3.2	3.3	3.4	3.2	2.7	2.6	2.6	2.7	2.8	3.1
162.5°	3.1	3.2	3.3	3.4	3.1	2.6	2.6	2.6	2.6	2.8	3.1
163°	3.2	3.2	3.3	3.4	3.1	2.6	2.5	2.5	2.6	2.8	3.1
163.5°	3.2	3.2	3.3	3.3	2.9	2.6	2.5	2.5	2.6	2.8	3.0
164°	3.2	3.3	3.3	3.2	2.7	2.5	2.5	2.5	2.6	2.7	3.0
164.5°	3.2	3.3	3.4	3.2	2.7	2.5	2.5	2.5	2.6	2.7	3.0
165°	3.2	3.3	3.4	3.2	2.6	2.5	2.5	2.5	2.6	2.7	2.9
165.5°	3.2	3.3	3.4	3.1	2.6	2.5	2.5	2.5	2.6	2.7	2.9
166°	3.3	3.3	3.3	3.1	2.6	2.5	2.5	2.5	2.6	2.7	2.9
166.5°	3.3	3.3	3.3	3.1	2.6	2.5	2.5	2.5	2.6	2.7	2.9
167°	3.3	3.4	3.3	3.0	2.6	2.5	2.6	2.5	2.6	2.7	2.9
167.5°	3.3	3.4	3.3	2.8	2.6	2.5	2.6	2.5	2.6	2.7	2.8
168°	3.4	3.4	3.2	2.7	2.6	2.5	2.6	2.6	2.6	2.7	2.8
168.5°	3.4	3.4	3.1	2.6	2.5	2.6	2.6	2.6	2.6	2.7	2.8
169°	3.4	3.3	3.1	2.6	2.5	2.6	2.6	2.6	2.6	2.7	2.8
169.5°	3.4	3.3	3.1	2.6	2.5	2.6	2.6	2.6	2.6	2.7	2.8
170°	3.3	3.3	3.0	2.6	2.6	2.6	2.8	2.7	2.6	2.7	2.9
170.5°	3.3	3.2	2.7	2.6	2.6	2.7	2.9	2.9	2.6	2.9	3.2
171°	3.3	3.1	2.6	2.5	2.6	2.8	3.0	2.9	2.6	3.1	3.1
171.5°	3.3	3.0	2.6	2.5	2.6	2.8	3.0	2.9	2.9	3.1	3.1
172°	3.2	2.9	2.6	2.5	2.6	3.0	3.0	2.9	2.9	3.1	3.1
172.5°	3.1	2.9	2.5	2.5	2.7	3.0	3.0	2.9	2.9	3.1	3.1
173°	3.1	2.9	2.5	2.5	2.7	3.0	3.0	3.0	2.9	3.0	3.1
173.5°	3.0	2.8	2.5	2.5	2.8	3.0	3.0	3.0	2.9	3.0	3.1
174°	3.0	2.6	2.5	2.6	2.8	3.0	3.0	3.0	3.0	3.0	3.1
174.5°	2.9	2.5	2.5	2.6	2.9	3.0	3.0	3.0	3.0	3.0	3.1
175°	2.9	2.5	2.5	2.6	2.9	3.0	3.0	2.9	3.0	3.0	3.0
175.5°	2.8	2.6	2.5	2.6	2.9	3.0	3.0	3.0	3.0	3.0	3.0
176°	2.8	2.6	2.5	2.7	2.9	3.0	3.0	3.0	3.0	3.0	3.0
176.5°	2.8	2.6	2.6	2.7	2.8	3.0	3.0	2.9	3.0	3.0	3.0
177°	2.8	2.7	2.6	2.7	2.9	3.0	3.0	2.9	2.9	2.9	3.0
177.5°	2.7	2.6	2.5	2.7	2.9	3.0	3.0	2.9	2.9	2.9	2.9
178°	2.5	2.4	2.4	2.5	2.7	2.8	2.9	2.9	2.9	2.8	2.8
178.5°	2.6	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.8	2.8	2.9



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
180°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7
0.5°	1504.1	1504.1	1504.2	1504.2	1504.2	1504.2	1504.2	1504.3	1504.3	1504.4	1504.4
1°	1503.7	1503.7	1503.4	1503.1	1502.8	1502.6	1502.8	1503.1	1503.4	1503.8	1504.0
1.5°	1502.9	1502.9	1502.9	1502.7	1502.6	1502.6	1502.7	1502.9	1503.1	1503.3	1503.5
2°	1501.6	1501.6	1501.4	1501.1	1500.9	1500.9	1501.1	1501.4	1501.9	1502.2	1502.3
2.5°	1500.7	1500.6	1499.9	1499.3	1499.4	1499.6	1499.6	1499.7	1500.2	1500.9	1501.3
3°	1499.3	1499.1	1498.3	1498.0	1498.2	1498.4	1498.4	1498.3	1498.8	1499.4	1499.6
3.5°	1496.9	1496.8	1496.6	1496.1	1496.2	1496.8	1497.0	1497.2	1497.6	1498.1	1498.6
4°	1495.7	1495.6	1495.0	1494.4	1494.7	1495.1	1495.4	1495.5	1495.6	1496.2	1496.7
4.5°	1493.4	1493.1	1493.0	1493.0	1492.9	1492.7	1492.8	1493.2	1493.5	1494.5	1495.6
5°	1491.6	1491.3	1490.5	1490.2	1489.7	1489.5	1490.1	1490.9	1491.8	1493.0	1494.3
5.5°	1489.7	1489.0	1488.4	1487.8	1487.6	1487.9	1487.9	1488.6	1489.7	1491.2	1492.6
6°	1486.9	1486.3	1485.9	1485.5	1485.4	1485.1	1485.0	1485.6	1487.0	1488.1	1490.0
6.5°	1484.3	1483.3	1482.8	1482.5	1482.2	1482.4	1482.4	1483.3	1484.5	1485.9	1487.9
7°	1482.2	1481.2	1479.9	1479.2	1479.4	1479.7	1480.0	1480.7	1482.2	1483.2	1485.9
7.5°	1479.7	1478.6	1476.9	1476.4	1475.8	1475.3	1476.1	1477.3	1478.7	1480.5	1483.0
8°	1476.3	1475.4	1473.9	1472.9	1472.3	1472.4	1472.9	1474.1	1475.6	1477.3	1480.1
8.5°	1473.0	1471.3	1470.5	1469.5	1468.7	1469.0	1469.3	1470.7	1472.6	1474.3	1477.1
9°	1469.2	1467.9	1466.9	1465.6	1465.4	1465.4	1465.4	1466.7	1469.0	1471.6	1474.9
9.5°	1466.2	1464.6	1462.6	1461.8	1461.4	1461.1	1461.4	1463.0	1465.2	1468.0	1471.5
10°	1463.7	1460.9	1459.0	1457.7	1457.3	1457.3	1457.2	1458.9	1461.6	1464.5	1467.9
10.5°	1459.4	1457.2	1454.8	1453.3	1452.6	1452.0	1453.1	1455.0	1457.5	1460.8	1464.9
11°	1455.2	1452.9	1450.5	1449.1	1448.3	1448.2	1448.5	1450.2	1453.4	1456.5	1460.9
11.5°	1450.9	1448.3	1445.9	1444.3	1443.7	1443.0	1444.0	1445.8	1449.0	1453.3	1456.5
12°	1447.3	1443.8	1441.2	1439.7	1438.6	1438.3	1439.5	1441.7	1444.7	1449.3	1453.6
12.5°	1443.2	1439.5	1436.8	1435.0	1434.0	1432.9	1434.4	1436.6	1440.0	1444.4	1449.8
13°	1438.8	1434.6	1431.7	1429.6	1427.9	1427.5	1429.3	1431.5	1434.7	1439.8	1444.9
13.5°	1433.5	1429.4	1426.4	1424.0	1422.3	1422.2	1423.8	1425.8	1429.8	1434.7	1440.7
14°	1429.0	1424.5	1421.2	1418.6	1416.8	1417.4	1417.9	1420.6	1424.9	1430.6	1435.4
14.5°	1424.0	1418.9	1415.8	1413.3	1410.7	1411.0	1412.7	1415.0	1419.4	1425.4	1431.1
15°	1418.7	1413.7	1410.4	1407.2	1405.4	1405.1	1406.5	1409.6	1413.6	1419.7	1426.0
15.5°	1413.9	1408.5	1404.2	1400.9	1399.6	1398.7	1400.3	1403.4	1408.3	1414.3	1421.0
16°	1408.5	1402.9	1398.1	1394.5	1392.4	1392.2	1393.7	1397.2	1402.1	1408.4	1415.3
16.5°	1402.7	1397.0	1392.2	1388.3	1386.3	1386.5	1387.7	1390.9	1396.3	1402.7	1409.7
17°	1397.1	1391.0	1386.2	1382.2	1380.1	1379.7	1381.1	1384.4	1390.0	1397.4	1404.3
17.5°	1391.1	1384.9	1379.8	1375.7	1373.2	1372.6	1374.6	1377.7	1383.4	1391.1	1399.1
18°	1385.0	1378.3	1373.1	1368.6	1366.0	1365.2	1366.7	1371.5	1377.2	1384.8	1393.2
18.5°	1378.7	1372.1	1366.0	1361.1	1359.0	1358.5	1360.2	1364.6	1371.1	1378.6	1387.1
19°	1372.9	1365.1	1358.8	1354.0	1352.3	1350.7	1352.3	1357.0	1363.4	1371.8	1380.2
19.5°	1365.7	1358.1	1351.7	1346.7	1344.7	1343.3	1345.3	1349.6	1356.3	1365.4	1374.3
20°	1359.5	1351.7	1344.8	1339.3	1336.4	1335.8	1338.2	1342.4	1349.6	1358.7	1368.7
20.5°	1352.9	1344.5	1337.5	1331.6	1328.2	1327.9	1330.3	1335.3	1342.4	1351.8	1362.2
21°	1345.6	1337.4	1330.0	1323.7	1320.1	1319.9	1322.3	1327.3	1335.1	1345.0	1355.0



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
22.5°	1324.2	1314.4	1306.2	1300.0	1295.4	1294.7	1296.8	1302.3	1311.2	1322.9	1333.9
23°	1317.1	1306.7	1298.4	1291.4	1287.0	1286.8	1288.5	1294.4	1303.5	1315.2	1327.2
23.5°	1309.2	1298.3	1289.8	1282.8	1279.0	1277.4	1279.6	1285.7	1295.4	1307.0	1319.6
24°	1301.6	1290.5	1281.2	1273.4	1269.7	1268.1	1270.2	1277.3	1286.7	1298.9	1311.6
24.5°	1293.7	1282.5	1272.4	1264.4	1260.7	1258.6	1261.8	1269.2	1278.8	1290.9	1304.1
25°	1286.7	1274.2	1264.4	1256.0	1252.0	1249.6	1252.7	1260.4	1270.3	1282.8	1296.0
25.5°	1277.6	1265.5	1255.6	1246.9	1242.0	1240.4	1243.4	1250.6	1261.0	1274.2	1288.4
26°	1269.3	1256.7	1246.1	1237.8	1233.0	1230.8	1234.1	1241.4	1252.8	1266.2	1280.6
26.5°	1261.0	1248.2	1236.8	1228.3	1223.7	1221.3	1224.0	1232.2	1243.6	1257.6	1272.0
27°	1253.0	1239.9	1227.9	1218.4	1213.5	1212.1	1214.6	1222.5	1234.5	1248.5	1263.6
27.5°	1244.2	1230.1	1218.4	1208.5	1203.0	1202.4	1205.1	1212.8	1224.9	1240.1	1254.8
28°	1235.0	1221.1	1209.2	1198.8	1193.7	1192.1	1195.5	1204.0	1216.0	1230.9	1246.7
28.5°	1226.6	1212.5	1199.8	1189.7	1183.8	1181.9	1185.0	1193.9	1206.6	1221.6	1237.2
29°	1217.7	1202.7	1190.0	1179.3	1173.3	1172.4	1175.6	1183.4	1196.2	1212.0	1228.5
29.5°	1208.6	1193.0	1180.1	1169.2	1163.3	1161.4	1164.1	1173.4	1186.8	1203.2	1220.1
30°	1199.3	1183.4	1170.2	1159.1	1152.7	1151.0	1154.6	1163.7	1177.1	1194.0	1211.0
30.5°	1189.8	1174.0	1160.2	1148.8	1142.8	1140.5	1143.9	1153.2	1166.9	1184.0	1201.5
31°	1180.4	1164.2	1150.1	1138.6	1132.2	1129.9	1133.8	1143.2	1156.9	1174.1	1192.6
31.5°	1170.8	1154.3	1140.0	1128.1	1121.3	1119.0	1123.0	1132.9	1147.1	1164.8	1182.8
32°	1161.0	1144.6	1129.9	1117.2	1110.3	1108.1	1112.2	1122.1	1137.2	1155.0	1173.5
32.5°	1151.8	1134.7	1119.4	1106.2	1099.4	1097.1	1101.3	1111.2	1126.8	1145.2	1163.9
33°	1141.8	1124.2	1108.9	1095.2	1088.5	1086.2	1090.5	1100.3	1116.1	1135.3	1154.4
33.5°	1131.4	1113.6	1098.4	1084.1	1077.5	1075.3	1079.6	1089.5	1105.4	1125.1	1144.7
34°	1122.8	1103.3	1088.0	1073.8	1065.9	1064.2	1067.9	1078.5	1094.8	1114.8	1134.8
34.5°	1112.2	1092.9	1077.3	1063.4	1055.0	1052.6	1057.0	1068.1	1084.1	1104.4	1125.3
35°	1101.7	1082.2	1065.6	1052.2	1044.0	1041.2	1046.0	1057.2	1073.5	1094.0	1115.1
35.5°	1091.2	1071.7	1054.8	1041.2	1032.8	1030.1	1034.7	1046.3	1062.4	1083.6	1104.9
36°	1080.7	1061.2	1044.2	1029.4	1021.0	1018.6	1023.1	1034.1	1051.4	1073.2	1094.8
36.5°	1070.1	1050.3	1032.4	1018.1	1009.2	1007.2	1011.7	1023.3	1040.3	1061.8	1084.6
37°	1059.4	1038.8	1021.4	1007.0	997.7	995.2	1000.0	1012.2	1029.3	1050.9	1074.0
37.5°	1048.8	1027.9	1010.3	995.7	986.9	983.8	988.6	1000.5	1017.8	1039.8	1063.3
38°	1037.6	1016.7	998.7	983.5	974.7	972.7	976.8	989.3	1007.0	1029.0	1052.0
38.5°	1026.8	1005.8	987.4	972.4	963.3	960.2	965.5	977.7	995.7	1018.2	1041.4
39°	1016.0	994.8	975.9	960.7	951.7	949.0	954.1	966.4	984.4	1007.2	1030.7
39.5°	1004.8	983.9	964.8	949.1	940.3	937.1	941.8	954.5	972.8	995.8	1020.0
40°	994.1	972.3	953.3	937.8	928.2	925.4	930.5	943.0	961.3	984.7	1009.0
40.5°	983.1	961.0	941.8	925.9	916.3	913.6	918.2	930.9	950.4	973.4	998.3
41°	972.0	949.5	930.2	913.9	904.6	901.8	907.1	919.8	938.5	962.3	986.9
41.5°	960.6	938.3	918.8	902.6	892.9	890.2	894.8	908.2	927.2	951.0	975.9
42°	949.2	926.6	906.8	890.9	880.7	878.2	883.5	896.1	915.6	939.3	965.3
42.5°	938.3	915.6	895.3	879.1	869.1	866.5	871.5	884.7	904.4	927.7	953.4
43°	927.2	903.7	883.9	867.4	857.0	855.0	860.1	873.1	892.7	916.7	942.4
43.5°	915.6	892.4	872.1	855.3	845.7	842.9	848.0	860.9	880.5	905.4	931.0



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
45°	881.0	857.1	836.7	820.3	810.7	807.3	812.3	825.9	845.3	870.6	897.0
45.5°	869.5	845.8	825.6	808.5	798.7	795.8	801.1	814.4	833.8	858.9	885.3
46°	858.0	834.4	813.5	797.0	786.8	784.5	789.4	802.9	822.7	847.3	874.0
46.5°	846.3	822.6	802.0	785.3	775.2	772.6	777.6	791.4	811.1	835.7	862.2
47°	834.9	810.7	790.2	773.6	763.2	760.8	766.1	779.3	799.3	824.0	851.1
47.5°	822.9	799.1	778.8	761.9	751.8	749.5	754.5	767.7	787.5	812.5	839.3
48°	811.0	787.8	766.6	750.2	740.4	737.5	742.4	755.9	775.8	800.6	827.5
48.5°	799.4	776.0	755.4	738.9	729.1	726.0	731.4	744.4	764.2	789.1	815.5
49°	787.9	764.2	743.7	727.5	717.2	714.4	720.1	733.2	753.1	777.9	803.9
49.5°	776.8	752.5	732.5	716.0	705.6	703.5	708.4	721.7	741.1	766.1	792.7
50°	764.1	741.0	720.5	704.3	694.2	691.8	697.4	710.0	730.0	754.2	781.2
50.5°	753.0	729.3	708.5	692.7	683.3	680.6	685.3	698.3	718.2	742.5	769.4
51°	741.1	717.4	697.5	681.5	671.7	669.8	674.4	687.2	706.4	731.0	757.9
51.5°	729.2	706.0	686.3	670.4	660.4	658.3	663.4	676.3	695.3	719.6	746.0
52°	717.3	694.8	674.9	659.2	649.3	647.0	652.1	665.2	684.1	708.6	734.4
52.5°	705.7	683.3	663.5	647.8	638.4	636.5	640.9	653.9	672.9	696.9	722.7
53°	694.2	671.7	651.8	636.5	627.2	625.5	630.0	642.7	661.5	685.3	711.2
53.5°	682.6	660.3	640.5	625.4	616.1	614.2	619.4	631.3	650.3	673.9	700.2
54°	671.0	648.9	629.2	614.5	605.2	602.7	607.8	620.0	638.9	662.4	688.4
54.5°	659.4	637.1	618.0	603.3	594.2	592.4	597.4	609.1	627.8	650.9	676.3
55°	647.7	625.4	606.9	592.5	583.2	581.4	586.2	598.3	616.5	639.8	664.8
55.5°	636.4	614.4	595.8	581.4	573.0	571.0	575.8	587.4	605.4	628.4	653.0
56°	624.6	603.0	584.6	570.7	562.1	560.4	565.0	576.3	594.1	617.1	641.7
56.5°	612.9	591.4	573.8	560.0	551.1	549.4	554.5	565.9	583.5	605.8	630.0
57°	601.5	580.4	562.6	549.2	540.7	539.3	543.9	555.4	572.3	594.3	618.6
57.5°	589.5	569.4	552.0	538.3	530.1	528.5	532.9	544.3	561.5	583.0	606.9
58°	578.2	558.0	540.9	527.7	520.1	518.3	522.8	533.7	550.5	571.7	595.6
58.5°	566.6	547.1	530.2	517.1	509.5	508.1	512.5	523.1	539.9	560.8	584.5
59°	555.2	536.0	519.3	506.8	499.0	497.6	502.0	512.8	529.0	549.8	573.0
59.5°	543.9	524.7	508.9	496.2	488.5	487.3	492.3	502.4	518.6	538.7	561.6
60°	532.4	514.0	498.4	485.7	478.8	477.6	481.7	491.9	507.7	527.7	549.8
60.5°	521.2	503.0	487.6	475.4	468.5	467.2	471.5	481.5	497.3	516.8	538.3
61°	509.6	492.1	476.9	465.2	458.3	457.3	461.3	471.4	486.5	505.9	527.4
61.5°	498.4	481.2	466.6	455.4	449.0	447.4	451.6	461.3	476.3	495.0	515.8
62°	486.8	470.4	456.4	445.0	438.6	437.7	441.6	451.4	465.7	484.3	504.6
62.5°	476.0	459.8	445.8	434.9	428.6	428.0	431.8	441.2	455.5	473.6	493.4
63°	465.0	449.1	435.3	424.8	419.0	418.1	421.9	431.1	445.1	462.8	482.3
63.5°	454.0	438.4	425.0	414.9	409.5	408.5	412.4	421.2	434.9	452.3	471.5
64°	442.6	427.7	415.4	405.2	399.8	399.0	402.6	411.5	424.5	441.7	460.2
64.5°	431.6	417.2	405.1	395.3	390.0	389.5	393.2	401.6	414.5	431.0	449.3
65°	420.7	406.8	394.9	385.8	380.8	380.0	383.8	392.1	404.6	420.6	438.3
65.5°	409.8	396.5	385.4	376.3	371.3	370.6	374.4	382.4	394.8	410.1	427.3
66°	399.2	386.2	375.5	366.4	361.6	361.1	364.5	372.6	384.6	399.8	416.4



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
67.5°	366.4	355.1	345.6	338.2	334.2	333.7	337.1	344.4	355.1	368.9	383.6
68°	355.8	345.1	335.9	328.8	325.2	324.9	328.1	335.2	345.3	358.8	373.3
68.5°	345.4	335.0	326.4	319.7	316.2	315.7	319.0	326.0	335.9	348.8	362.9
69°	334.8	324.9	316.9	310.6	307.2	307.1	310.0	316.8	326.4	338.7	352.4
69.5°	324.3	315.1	307.4	301.4	298.0	298.0	301.0	307.6	316.8	328.6	341.6
70°	314.1	305.3	298.2	292.3	289.5	289.6	292.4	298.5	307.3	318.5	331.1
70.5°	303.3	295.5	288.7	283.6	280.9	281.0	283.7	289.5	297.9	308.9	320.4
71°	293.2	285.8	279.7	274.8	272.3	272.3	275.0	280.7	288.8	299.0	310.5
71.5°	283.1	276.2	270.5	266.0	263.6	263.7	266.5	271.8	279.7	289.4	300.0
72°	273.0	266.7	261.4	257.3	255.2	255.6	258.1	263.2	270.6	279.9	290.0
72.5°	262.8	257.2	252.5	248.7	246.9	247.1	249.7	254.6	261.5	270.2	279.6
73°	253.0	247.9	243.5	240.1	238.4	238.8	241.2	246.0	252.3	260.8	270.1
73.5°	243.1	238.6	234.5	231.7	230.4	230.6	233.1	237.3	243.6	251.3	259.8
74°	233.2	229.3	226.1	223.5	222.1	223.0	225.0	229.1	234.9	242.2	249.9
74.5°	223.6	220.3	217.3	215.4	214.2	214.9	217.0	221.0	226.3	232.9	239.9
75°	214.2	211.5	209.0	207.1	206.3	207.0	209.0	212.6	217.7	223.8	230.6
75.5°	204.8	202.6	200.4	199.1	198.5	199.2	201.1	204.5	209.1	214.7	220.9
76°	195.3	193.9	192.5	191.1	190.6	191.5	193.3	196.6	200.9	205.9	211.5
76.5°	186.1	185.1	184.2	183.3	183.1	183.9	185.7	188.7	192.5	197.0	202.0
77°	177.2	176.6	176.4	175.7	175.6	176.5	178.2	180.9	184.4	188.3	192.8
77.5°	168.1	168.3	168.2	168.3	168.4	169.3	171.0	173.3	176.4	179.9	183.3
78°	159.4	160.3	160.6	160.9	161.4	162.2	163.6	165.9	168.7	171.6	174.5
78.5°	151.0	152.5	153.1	153.6	154.3	155.2	156.6	158.6	160.7	163.3	165.6
79°	142.5	144.4	145.7	146.6	147.3	148.4	149.7	151.4	153.2	155.1	157.0
79.5°	134.5	136.9	138.6	139.8	140.7	141.7	143.1	144.4	145.8	147.3	148.2
80°	126.6	129.9	132.0	133.3	134.5	135.3	136.4	137.4	138.8	139.5	140.0
80.5°	118.7	122.8	125.3	127.1	128.4	129.2	130.2	131.0	132.1	132.1	132.2
81°	110.8	115.7	118.7	120.8	122.3	123.1	124.1	124.8	125.5	125.1	124.4
81.5°	103.5	108.5	112.0	114.6	116.1	117.1	117.9	118.6	118.8	118.0	116.6
82°	96.6	101.7	105.5	108.3	110.0	111.0	111.8	112.4	112.1	110.8	108.8
82.5°	89.6	95.4	99.3	102.3	104.3	105.4	106.1	106.2	105.5	104.0	101.2
83°	82.8	89.0	93.4	96.6	98.6	99.9	100.4	100.3	99.3	97.3	94.2
83.5°	76.5	82.9	87.7	91.0	93.1	94.3	94.9	94.6	93.4	90.9	87.2
84°	70.3	77.0	82.0	85.6	87.8	89.1	89.6	89.1	87.5	84.7	80.6
84.5°	64.4	71.6	76.7	80.4	82.7	84.0	84.4	83.8	82.0	78.8	74.1
85°	58.9	66.2	71.5	75.3	77.8	79.1	79.4	78.6	76.5	73.1	68.1
85.5°	53.6	61.0	66.6	70.5	73.0	74.2	74.4	73.6	71.4	67.6	62.3
86°	48.7	56.1	61.8	65.9	68.4	69.7	70.0	68.9	66.3	62.3	56.8
86.5°	43.9	51.6	57.4	61.5	64.0	65.3	65.5	64.3	61.7	57.3	51.4
87°	39.6	47.3	53.1	57.3	60.0	61.2	61.2	59.9	57.2	52.7	46.5
87.5°	35.6	43.2	49.1	53.4	56.0	57.2	57.2	55.8	52.9	48.3	42.0
88°	31.9	39.5	45.4	49.6	52.2	53.4	53.4	51.9	48.8	44.2	37.7
88.5°	28.5	36.0	41.8	46.1	48.6	49.8	49.7	48.1	45.1	40.3	33.8



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
90°	20.4	27.1	32.6	36.7	39.2	40.3	40.1	38.3	35.0	30.3	23.9
90.5°	18.3	24.7	30.0	34.0	36.5	37.5	37.2	35.5	32.3	27.5	21.3
91°	16.4	22.5	27.7	31.6	34.0	35.0	34.7	32.9	29.7	24.9	19.0
91.5°	14.9	20.7	25.6	29.3	31.7	32.6	32.2	30.5	27.3	22.7	17.0
92°	14.0	19.0	23.7	27.2	29.5	30.4	30.0	28.3	25.2	20.8	15.3
92.5°	13.1	17.6	21.9	25.4	27.5	28.4	28.0	26.3	23.2	19.0	14.2
93°	12.2	16.3	20.5	23.7	25.8	26.6	26.2	24.5	21.6	17.5	13.2
93.5°	11.3	15.3	19.3	22.3	24.2	25.0	24.6	23.0	20.1	16.2	12.2
94°	10.4	14.5	18.2	21.0	22.8	23.6	23.2	21.6	18.8	15.2	11.2
94.5°	9.9	13.8	17.2	19.9	21.7	22.3	21.9	20.3	17.7	14.2	10.2
95°	9.5	13.2	16.4	19.0	20.6	21.2	20.7	19.3	16.8	13.5	9.7
95.5°	9.1	12.6	15.7	18.1	19.7	20.2	19.8	18.3	15.9	12.8	9.3
96°	8.8	12.2	15.1	17.3	18.8	19.3	18.9	17.5	15.2	12.3	9.0
96.5°	8.6	11.9	14.5	16.6	18.0	18.5	18.1	16.8	14.6	11.8	8.6
97°	8.4	11.5	14.1	16.0	17.3	17.8	17.4	16.2	14.1	11.4	8.2
97.5°	8.2	11.1	13.6	15.5	16.7	17.2	16.9	15.7	13.7	10.9	7.9
98°	8.1	10.8	13.2	15.1	16.2	16.6	16.3	15.2	13.3	10.5	7.5
98.5°	8.0	10.5	12.8	14.6	15.7	16.2	15.9	14.8	12.9	10.1	7.3
99°	7.9	10.3	12.5	14.2	15.3	15.7	15.4	14.3	12.4	9.7	7.1
99.5°	7.8	10.2	12.2	13.8	14.9	15.3	14.9	13.8	12.1	9.4	7.1
100°	7.7	10.0	12.0	13.5	14.5	14.8	14.5	13.4	11.7	9.2	7.0
100.5°	7.6	9.9	11.8	13.3	14.2	14.5	14.1	13.0	11.3	9.0	6.9
101°	7.4	9.7	11.6	13.0	13.8	14.1	13.7	12.7	11.0	8.9	6.8
101.5°	7.3	9.6	11.4	12.7	13.5	13.8	13.4	12.3	10.7	8.8	6.7
102°	7.2	9.5	11.2	12.5	13.3	13.5	13.1	12.1	10.5	8.7	6.6
102.5°	7.0	9.3	11.0	12.3	13.0	13.3	12.8	11.9	10.4	8.6	6.5
103°	6.9	9.2	10.8	12.1	12.8	13.1	12.7	11.8	10.2	8.5	6.3
103.5°	6.7	9.1	10.7	11.9	12.6	12.9	12.5	11.6	10.1	8.4	6.1
104°	6.6	8.9	10.5	11.7	12.4	12.7	12.3	11.5	10.0	8.3	6.0
104.5°	6.5	8.7	10.4	11.6	12.2	12.5	12.2	11.3	9.9	8.1	5.8
105°	6.3	8.5	10.2	11.4	12.1	12.4	12.0	11.2	9.8	8.0	5.6
105.5°	6.2	8.3	10.0	11.2	11.9	12.2	11.9	11.0	9.7	7.8	5.5
106°	6.0	8.2	9.9	11.0	11.7	12.1	11.8	10.9	9.5	7.6	5.3
106.5°	5.9	8.0	9.6	10.8	11.5	11.9	11.6	10.7	9.3	7.4	5.1
107°	5.8	7.8	9.4	10.6	11.3	11.7	11.4	10.5	9.1	7.2	5.0
107.5°	5.6	7.7	9.2	10.4	11.1	11.5	11.2	10.3	8.9	7.0	4.9
108°	5.5	7.5	9.0	10.2	10.9	11.3	11.0	10.1	8.7	6.8	4.8
108.5°	5.3	7.4	8.9	10.0	10.7	11.0	10.8	9.9	8.4	6.6	4.6
109°	5.2	7.2	8.7	9.8	10.5	10.8	10.6	9.7	8.2	6.4	4.5
109.5°	5.0	7.0	8.5	9.6	10.3	10.6	10.3	9.4	8.0	6.3	4.4
110°	4.9	6.9	8.3	9.3	10.0	10.3	10.1	9.2	7.8	6.1	4.3
110.5°	4.7	6.7	8.1	9.1	9.8	10.1	9.8	8.9	7.6	6.0	4.1
111°	4.6	6.5	7.9	8.9	9.6	9.8	9.6	8.7	7.4	5.8	4.0



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	4.1	6.0	7.4	8.3	8.9	9.1	8.9	8.1	6.8	5.4	3.6
113°	3.9	5.8	7.2	8.1	8.7	8.9	8.7	7.9	6.6	5.3	3.5
113.5°	3.8	5.6	7.1	8.0	8.5	8.7	8.5	7.7	6.5	5.2	3.4
114°	3.7	5.4	6.9	7.8	8.3	8.5	8.3	7.5	6.3	5.0	3.3
114.5°	3.5	5.2	6.7	7.6	8.1	8.3	8.1	7.3	6.1	4.9	3.2
115°	3.5	5.0	6.5	7.5	8.0	8.1	7.9	7.1	6.0	4.7	3.1
115.5°	3.4	4.9	6.3	7.3	7.8	7.9	7.7	6.9	5.8	4.5	3.0
116°	3.3	4.7	6.2	7.1	7.6	7.7	7.5	6.7	5.6	4.4	3.0
116.5°	3.3	4.5	6.0	6.9	7.5	7.5	7.3	6.5	5.5	4.2	2.9
117°	3.2	4.3	5.8	6.7	7.3	7.3	7.1	6.4	5.3	4.1	2.9
117.5°	3.2	4.2	5.5	6.6	7.1	7.2	6.9	6.2	5.1	4.0	2.8
118°	3.1	4.0	5.3	6.4	6.9	7.0	6.7	6.0	4.9	3.8	2.7
118.5°	3.1	3.9	5.1	6.2	6.7	6.8	6.6	5.8	4.7	3.7	2.7
119°	3.0	3.8	4.9	5.9	6.5	6.6	6.4	5.7	4.5	3.6	2.5
119.5°	2.9	3.7	4.7	5.7	6.3	6.4	6.2	5.4	4.4	3.5	2.4
120°	2.7	3.6	4.5	5.5	6.1	6.3	6.0	5.2	4.2	3.4	2.3
120.5°	2.6	3.5	4.4	5.3	5.9	6.0	5.8	5.0	4.1	3.3	2.3
121°	2.5	3.4	4.2	5.1	5.6	5.8	5.5	4.8	3.9	3.2	2.2
121.5°	2.4	3.4	4.1	4.9	5.4	5.5	5.3	4.6	3.8	3.1	2.2
122°	2.5	3.3	4.0	4.7	5.2	5.3	5.1	4.5	3.7	3.1	2.2
122.5°	2.5	3.3	3.9	4.5	5.0	5.1	4.9	4.3	3.6	2.9	2.2
123°	2.5	3.2	3.8	4.4	4.8	4.9	4.7	4.2	3.5	2.8	2.3
123.5°	2.6	3.1	3.7	4.3	4.7	4.8	4.6	4.1	3.4	2.6	2.3
124°	2.6	2.9	3.6	4.2	4.5	4.6	4.4	4.0	3.3	2.5	2.3
124.5°	2.7	2.8	3.5	4.0	4.4	4.5	4.3	3.9	3.2	2.4	2.4
125°	2.7	2.6	3.4	3.9	4.2	4.3	4.2	3.8	3.1	2.3	2.4
125.5°	2.8	2.5	3.3	3.8	4.1	4.2	4.1	3.7	3.1	2.2	2.5
126°	2.8	2.4	3.2	3.7	4.0	4.1	4.0	3.6	2.9	2.1	2.5
126.5°	2.9	2.4	3.1	3.6	3.9	4.0	3.9	3.5	2.8	2.0	2.5
127°	2.9	2.5	3.0	3.5	3.8	3.9	3.8	3.4	2.6	2.1	2.6
127.5°	3.0	2.5	2.8	3.5	3.7	3.8	3.7	3.3	2.5	2.1	2.6
128°	3.0	2.5	2.7	3.3	3.6	3.7	3.6	3.2	2.4	2.1	2.6
128.5°	3.1	2.6	2.5	3.2	3.5	3.6	3.5	3.0	2.3	2.2	2.6
129°	3.2	2.6	2.4	3.0	3.4	3.5	3.4	2.9	2.2	2.2	2.6
129.5°	3.2	2.7	2.4	2.9	3.3	3.4	3.3	2.7	2.2	2.3	2.6
130°	3.2	2.7	2.4	2.8	3.1	3.2	3.1	2.6	2.2	2.3	2.6
130.5°	3.2	2.7	2.4	2.6	3.0	3.1	2.9	2.5	2.2	2.4	2.6
131°	3.3	2.8	2.5	2.4	2.8	2.9	2.8	2.4	2.3	2.4	2.6
131.5°	3.3	2.8	2.5	2.4	2.7	2.8	2.6	2.3	2.3	2.4	2.7
132°	3.3	2.9	2.6	2.4	2.5	2.6	2.5	2.3	2.4	2.5	2.7
132.5°	3.4	2.9	2.6	2.4	2.4	2.5	2.4	2.3	2.4	2.5	2.8
133°	3.5	3.0	2.7	2.5	2.3	2.3	2.3	2.4	2.4	2.6	2.9
133.5°	3.5	3.0	2.7	2.5	2.4	2.3	2.4	2.4	2.5	2.7	3.0



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
135°	3.7	3.2	2.8	2.6	2.5	2.4	2.5	2.5	2.6	2.8	3.2
135.5°	3.8	3.2	2.9	2.6	2.5	2.5	2.5	2.5	2.6	2.9	3.2
136°	3.8	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.7	2.9	3.3
136.5°	3.9	3.3	2.9	2.7	2.6	2.5	2.6	2.6	2.7	3.0	3.3
137°	3.9	3.4	3.0	2.8	2.6	2.6	2.6	2.7	2.8	3.0	3.3
137.5°	3.9	3.4	3.0	2.8	2.7	2.6	2.7	2.7	2.9	3.1	3.2
138°	3.8	3.5	3.1	2.8	2.7	2.6	2.7	2.7	2.9	3.2	3.1
138.5°	3.7	3.6	3.1	2.9	2.7	2.7	2.8	2.8	3.0	3.3	3.1
139°	3.7	3.6	3.2	2.9	2.8	2.7	2.8	2.8	3.0	3.3	3.1
139.5°	3.7	3.7	3.2	3.0	2.8	2.8	2.8	2.9	3.1	3.4	3.0
140°	3.7	3.7	3.3	3.0	2.9	2.8	2.9	2.9	3.1	3.4	3.0
140.5°	3.7	3.8	3.4	3.1	2.9	2.9	2.9	3.0	3.2	3.4	3.0
141°	3.7	3.8	3.5	3.1	3.0	2.9	3.0	3.0	3.3	3.5	3.0
141.5°	3.7	3.8	3.6	3.2	3.0	3.0	3.0	3.1	3.5	3.5	3.0
142°	3.7	3.8	3.7	3.2	3.0	3.0	3.1	3.2	3.5	3.4	3.0
142.5°	3.7	3.8	3.7	3.3	3.1	3.0	3.1	3.3	3.5	3.3	3.0
143°	3.7	3.7	3.7	3.4	3.2	3.1	3.2	3.4	3.5	3.3	3.0
143.5°	3.7	3.6	3.7	3.6	3.2	3.2	3.3	3.5	3.6	3.3	3.1
144°	3.7	3.6	3.8	3.6	3.4	3.3	3.4	3.6	3.6	3.3	3.0
144.5°	3.7	3.6	3.8	3.7	3.5	3.4	3.5	3.6	3.6	3.2	3.0
145°	3.7	3.6	3.8	3.7	3.6	3.5	3.6	3.7	3.5	3.2	3.0
145.5°	3.6	3.6	3.7	3.7	3.6	3.6	3.7	3.7	3.4	3.2	3.0
146°	3.7	3.6	3.6	3.8	3.7	3.7	3.7	3.7	3.4	3.2	3.0
146.5°	3.7	3.6	3.5	3.8	3.7	3.7	3.7	3.7	3.4	3.2	3.0
147°	3.7	3.6	3.5	3.7	3.8	3.8	3.8	3.6	3.4	3.2	3.0
147.5°	3.7	3.6	3.6	3.6	3.8	3.8	3.8	3.5	3.3	3.2	3.0
148°	3.7	3.6	3.5	3.5	3.7	3.8	3.7	3.5	3.3	3.2	3.0
148.5°	3.7	3.6	3.5	3.5	3.6	3.7	3.6	3.5	3.3	3.2	3.0
149°	3.7	3.6	3.5	3.5	3.5	3.6	3.6	3.5	3.3	3.1	3.0
149.5°	3.7	3.6	3.5	3.5	3.5	3.6	3.5	3.5	3.3	3.1	3.0
150°	3.7	3.6	3.6	3.5	3.5	3.6	3.5	3.4	3.3	3.1	3.0
150.5°	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.1	3.0
151°	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.1	3.0
151.5°	3.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.3	3.1	3.0
152°	3.8	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.1	3.0
152.5°	3.8	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.1	3.0
153°	3.8	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.2	3.1	3.0
153.5°	3.9	3.5	3.4	3.5	3.5	3.5	3.5	3.4	3.2	3.1	3.0
154°	3.9	3.5	3.4	3.5	3.5	3.5	3.5	3.4	3.2	3.1	3.1
154.5°	3.9	3.6	3.4	3.4	3.5	3.5	3.4	3.4	3.2	3.1	3.1
155°	3.9	3.7	3.5	3.4	3.4	3.5	3.4	3.4	3.3	3.1	3.1
155.5°	3.8	3.7	3.5	3.4	3.4	3.5	3.4	3.4	3.3	3.2	3.1
156°	3.7	3.8	3.5	3.4	3.4	3.5	3.4	3.4	3.3	3.2	3.2



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
157.5°	3.9	3.7	3.6	3.5	3.4	3.5	3.5	3.4	3.4	3.3	3.2
158°	3.8	3.6	3.7	3.5	3.4	3.5	3.5	3.5	3.4	3.4	3.3
158.5°	3.6	3.6	3.7	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.3
159°	3.5	3.5	3.7	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.3
159.5°	3.5	3.6	3.8	3.6	3.5	3.5	3.5	3.6	3.6	3.5	3.4
160°	3.4	3.6	3.8	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.4
160.5°	3.4	3.6	3.8	3.8	3.6	3.6	3.6	3.6	3.7	3.6	3.5
161°	3.4	3.5	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.5
161.5°	3.4	3.5	3.7	3.9	3.7	3.7	3.7	3.8	3.8	3.7	3.5
162°	3.4	3.4	3.6	3.9	3.8	3.8	3.8	3.8	3.9	3.8	3.5
162.5°	3.3	3.4	3.6	3.9	3.8	3.8	3.8	3.9	3.9	3.8	3.5
163°	3.3	3.4	3.6	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.5
163.5°	3.3	3.4	3.5	3.8	4.0	3.9	3.9	3.9	4.0	3.8	3.6
164°	3.3	3.4	3.4	3.7	4.0	4.0	4.0	4.0	4.0	3.9	3.5
164.5°	3.2	3.4	3.4	3.7	4.0	4.0	4.0	4.0	4.0	3.9	3.1
165°	3.2	3.3	3.4	3.6	4.0	4.0	4.1	4.1	4.0	3.6	3.0
165.5°	3.2	3.3	3.4	3.6	4.0	4.1	4.1	4.1	4.0	3.1	3.4
166°	3.1	3.3	3.4	3.4	3.9	4.1	4.1	4.1	3.9	3.2	3.5
166.5°	3.1	3.4	3.4	3.3	3.9	4.1	4.1	4.1	3.9	3.7	3.1
167°	3.1	3.5	3.4	3.3	3.8	4.1	4.1	4.2	3.5	3.5	2.7
167.5°	3.1	3.6	3.5	3.3	3.7	4.1	4.1	4.1	3.1	3.0	3.1
168°	3.1	3.6	3.6	3.3	3.7	4.1	4.1	4.1	3.5	2.8	3.5
168.5°	3.3	3.7	3.8	3.3	3.4	4.0	4.0	4.0	3.8	3.5	3.2
169°	3.2	3.6	3.8	3.4	3.3	4.0	4.0	4.0	3.0	3.5	3.2
169.5°	3.2	3.5	3.7	3.4	3.2	3.9	4.0	3.7	2.7	3.5	3.4
170°	3.3	3.5	3.6	3.6	3.2	3.8	4.0	3.2	3.5	3.5	3.4
170.5°	3.3	3.4	3.6	3.6	3.2	3.7	3.9	3.1	3.6	3.5	3.3
171°	3.3	3.4	3.5	3.6	3.2	3.6	3.9	3.1	3.4	3.5	3.3
171.5°	3.2	3.3	3.5	3.6	3.2	3.5	3.8	2.7	3.5	3.4	3.3
172°	3.2	3.3	3.4	3.5	3.3	3.1	3.7	2.9	3.5	3.4	3.2
172.5°	3.2	3.3	3.3	3.4	3.4	3.0	3.6	3.3	3.4	3.3	3.2
173°	3.1	3.2	3.3	3.4	3.4	3.0	3.4	3.3	3.4	3.2	3.1
173.5°	3.1	3.2	3.2	3.3	3.3	2.9	2.9	3.3	3.3	3.1	3.0
174°	3.1	3.2	3.2	3.3	3.3	2.9	2.5	3.2	3.2	3.1	3.0
174.5°	3.1	3.1	3.2	3.2	3.3	2.8	2.3	3.2	3.1	3.0	2.9
175°	3.1	3.1	3.1	3.2	3.2	2.7	2.7	3.1	3.0	2.9	2.9
175.5°	3.0	3.1	3.1	3.1	3.1	2.8	3.0	3.0	2.9	2.9	2.9
176°	3.0	3.0	3.0	3.1	3.1	2.7	3.0	2.9	2.9	2.9	2.9
176.5°	3.0	3.0	3.0	3.0	3.0	2.7	2.9	2.9	2.9	2.9	2.9
177°	2.9	2.9	2.9	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9
177.5°	2.9	2.9	2.8	2.8	2.9	1.1	2.9	2.9	2.9	2.9	2.8
178°	2.8	2.8	2.8	2.9	2.9	1.7	2.9	2.9	2.8	2.8	2.8
178.5°	2.9	2.9	2.9	2.8	2.6	2.2	2.7	2.8	2.9	2.9	2.8



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
180°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1504.7	1504.7	1504.7	1504.7
0.5°	1504.3	1504.3	1504.3	1504.3
1°	1504.1	1504.1	1504.1	1504.1
1.5°	1503.7	1503.8	1503.9	1504.2
2°	1502.5	1503.1	1503.7	1503.9
2.5°	1501.2	1501.5	1502.8	1503.3
3°	1500.1	1501.0	1502.1	1502.3
3.5°	1499.4	1500.8	1501.1	1501.3
4°	1498.4	1499.9	1500.0	1500.6
4.5°	1496.2	1498.0	1498.4	1499.0
5°	1495.0	1496.1	1497.4	1498.0
5.5°	1494.0	1494.5	1496.0	1497.1
6°	1491.5	1493.5	1494.3	1495.9
6.5°	1489.3	1490.6	1492.6	1494.3
7°	1488.1	1488.6	1491.4	1492.8
7.5°	1485.4	1487.2	1488.1	1490.7
8°	1482.5	1484.5	1486.9	1489.1
8.5°	1479.4	1481.7	1484.8	1486.3
9°	1477.0	1479.1	1482.0	1484.7
9.5°	1474.1	1476.4	1479.3	1482.0
10°	1470.6	1472.9	1476.7	1479.0
10.5°	1467.6	1470.7	1473.2	1476.3
11°	1464.1	1468.1	1471.2	1473.2
11.5°	1460.6	1464.5	1468.3	1470.0
12°	1457.1	1461.0	1465.3	1467.0
12.5°	1452.9	1457.2	1461.6	1464.1
13°	1448.8	1453.3	1458.0	1460.6
13.5°	1444.8	1449.4	1454.5	1456.7
14°	1440.5	1445.5	1450.3	1453.1
14.5°	1435.9	1441.9	1446.2	1449.4
15°	1431.3	1437.2	1442.0	1445.2
15.5°	1426.3	1432.4	1437.8	1441.4
16°	1421.3	1427.8	1433.9	1436.7
16.5°	1416.2	1422.8	1429.7	1431.6
17°	1411.4	1417.9	1424.5	1426.8
17.5°	1406.0	1413.0	1419.0	1422.8
18°	1400.8	1408.2	1414.1	1418.4
18.5°	1395.4	1403.1	1409.2	1412.9
19°	1389.4	1397.5	1404.1	1407.7
19.5°	1382.8	1391.9	1398.7	1402.4
20°	1376.8	1386.1	1392.9	1397.1
20.5°	1371.2	1379.8	1387.3	1391.8
21°	1365.3	1373.6	1381.2	1386.4



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
22.5°	1344.7	1354.9	1363.5	1368.0
23°	1337.8	1348.4	1356.8	1362.5
23.5°	1330.9	1341.4	1350.1	1355.7
24°	1323.7	1334.8	1343.6	1349.2
24.5°	1316.2	1327.8	1337.1	1343.0
25°	1309.0	1320.4	1330.3	1336.4
25.5°	1301.0	1313.5	1322.9	1329.2
26°	1294.0	1306.0	1315.9	1322.2
26.5°	1286.0	1298.4	1308.6	1314.9
27°	1278.1	1290.9	1301.0	1307.6
27.5°	1269.7	1283.8	1293.5	1300.4
28°	1261.7	1275.3	1286.0	1292.6
28.5°	1253.2	1267.3	1278.2	1284.9
29°	1244.2	1259.0	1270.3	1277.9
29.5°	1236.4	1250.5	1262.1	1270.0
30°	1227.8	1242.6	1253.9	1261.6
30.5°	1218.6	1233.8	1245.8	1253.7
31°	1209.3	1225.5	1237.5	1245.7
31.5°	1200.8	1216.2	1228.8	1237.2
32°	1191.4	1207.4	1219.9	1228.1
32.5°	1182.4	1198.4	1211.2	1219.4
33°	1173.3	1189.8	1202.3	1211.1
33.5°	1164.2	1181.1	1193.3	1202.1
34°	1154.1	1171.6	1184.2	1192.8
34.5°	1144.8	1161.8	1174.7	1183.3
35°	1135.3	1152.7	1165.8	1174.6
35.5°	1125.2	1143.0	1156.3	1165.5
36°	1115.2	1133.5	1146.7	1156.0
36.5°	1105.3	1123.5	1137.9	1146.3
37°	1095.4	1113.5	1128.4	1136.8
37.5°	1085.5	1103.7	1118.9	1127.6
38°	1075.2	1093.8	1108.3	1118.3
38.5°	1063.9	1083.8	1097.8	1107.9
39°	1053.1	1073.4	1087.3	1097.2
39.5°	1042.6	1062.8	1077.0	1086.6
40°	1032.2	1052.5	1067.3	1076.3
40.5°	1021.7	1042.1	1057.2	1066.7
41°	1010.6	1031.3	1046.4	1056.3
41.5°	999.9	1020.3	1036.1	1045.5
42°	988.6	1009.6	1025.4	1035.3
42.5°	977.6	998.9	1014.4	1024.9
43°	966.5	987.8	1003.6	1014.0
43.5°	955.5	976.7	993.0	1002.7



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
45°	921.5	943.9	959.9	969.8
45.5°	910.5	932.5	948.4	959.0
46°	898.9	921.3	937.2	947.5
46.5°	887.6	909.9	925.8	935.7
47°	876.6	898.6	914.6	924.3
47.5°	864.7	887.2	903.2	913.3
48°	853.4	875.2	891.5	902.2
48.5°	841.4	864.0	880.2	890.3
49°	830.0	852.5	868.8	879.2
49.5°	818.6	840.6	857.0	867.5
50°	806.6	828.8	845.1	855.8
50.5°	795.0	817.4	833.4	843.8
51°	783.8	805.4	821.9	832.2
51.5°	772.1	794.0	810.4	820.3
52°	760.0	782.1	798.0	808.8
52.5°	748.3	770.2	786.5	796.6
53°	736.5	758.4	774.3	784.8
53.5°	725.1	746.5	762.6	772.9
54°	713.4	734.6	750.6	761.0
54.5°	701.8	722.8	738.7	748.9
55°	690.2	711.1	726.8	736.6
55.5°	677.6	699.5	714.6	724.9
56°	666.0	686.8	702.4	712.5
56.5°	654.5	675.4	690.8	700.6
57°	643.0	663.4	678.6	688.9
57.5°	630.9	651.5	666.8	676.4
58°	619.2	639.0	654.3	664.1
58.5°	607.4	627.3	642.2	652.2
59°	596.2	615.2	630.2	639.9
59.5°	584.1	603.3	618.3	627.8
60°	572.4	591.2	606.2	615.3
60.5°	560.4	579.5	593.9	603.2
61°	549.2	567.6	581.6	591.0
61.5°	537.2	555.6	569.4	578.9
62°	525.6	543.7	557.4	566.6
62.5°	514.1	532.1	545.2	554.4
63°	502.8	520.0	533.0	542.2
63.5°	491.0	508.0	521.0	530.1
64°	479.2	496.2	508.8	517.7
64.5°	467.8	484.3	497.0	505.2
65°	456.6	472.2	484.9	492.8
65.5°	444.9	460.7	472.6	480.2
66°	433.9	449.1	460.5	467.7



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
67.5°	399.8	413.8	424.7	431.3
68°	388.4	401.8	412.4	419.4
68.5°	377.1	390.3	400.2	407.1
69°	366.3	378.4	388.5	394.9
69.5°	355.1	366.8	376.5	382.9
70°	343.9	355.5	364.7	370.7
70.5°	332.8	344.0	352.8	358.6
71°	321.9	332.4	341.1	346.8
71.5°	311.0	320.9	329.1	334.8
72°	300.1	309.7	317.3	323.0
72.5°	289.3	298.5	305.4	311.2
73°	278.6	287.0	293.9	299.1
73.5°	268.3	276.1	282.4	287.0
74°	257.7	264.7	271.0	275.5
74.5°	247.0	253.7	259.4	263.9
75°	236.7	242.4	247.8	252.3
75.5°	226.4	231.8	236.4	240.6
76°	216.5	220.9	225.7	229.2
76.5°	206.3	210.4	214.2	217.9
77°	196.4	199.7	203.4	206.7
77.5°	186.5	189.4	192.3	195.3
78°	176.9	178.8	181.7	184.5
78.5°	167.5	168.9	170.7	173.4
79°	158.1	159.0	160.3	162.6
79.5°	148.9	149.2	150.3	152.0
80°	140.3	140.0	140.5	141.9
80.5°	131.8	130.7	130.8	131.5
81°	123.2	121.5	121.0	121.4
81.5°	114.6	112.2	111.3	111.6
82°	106.1	103.0	101.5	101.9
82.5°	98.1	94.5	92.3	92.1
83°	90.1	86.2	83.8	83.4
83.5°	82.6	78.0	75.0	74.6
84°	75.3	70.1	66.8	66.3
84.5°	68.5	62.7	58.8	58.0
85°	61.8	55.7	51.5	50.4
85.5°	55.8	49.0	44.2	43.8
86°	49.9	42.7	37.6	37.3
86.5°	44.3	36.9	31.3	30.7
87°	39.1	31.4	25.6	24.2
87.5°	34.4	26.4	21.6	18.6
88°	30.1	22.1	17.6	13.4
88.5°	26.1	19.2	13.6	9.0



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
90°	16.7	10.4	3.8	2.9
90.5°	15.1	7.7	2.6	1.6
91°	13.4	6.3	1.9	0.3
91.5°	11.8	5.3	1.5	0.3
92°	10.2	4.6	1.3	0.2
92.5°	8.5	4.1	1.2	0.1
93°	7.8	3.8	1.1	0.1
93.5°	7.2	3.5	1.0	0.2
94°	6.7	3.3	1.0	0.2
94.5°	6.4	3.1	0.9	0.3
95°	6.1	3.0	0.9	0.3
95.5°	5.8	2.9	0.9	0.4
96°	5.4	2.9	0.9	0.4
96.5°	5.2	2.9	0.9	0.5
97°	5.0	2.8	0.9	0.6
97.5°	5.0	2.7	0.8	0.6
98°	4.9	2.6	0.8	0.7
98.5°	4.9	2.5	0.8	0.7
99°	4.9	2.4	0.8	0.8
99.5°	4.8	2.4	0.9	0.9
100°	4.7	2.3	1.0	1.0
100.5°	4.6	2.3	1.0	1.0
101°	4.5	2.3	1.1	1.1
101.5°	4.3	2.3	1.1	1.2
102°	4.1	2.2	1.2	1.3
102.5°	4.0	2.2	1.3	1.4
103°	3.9	2.1	1.3	1.5
103.5°	3.8	2.0	1.4	1.5
104°	3.7	1.9	1.5	1.5
104.5°	3.6	1.9	1.5	1.6
105°	3.5	1.8	1.5	1.6
105.5°	3.4	1.8	1.6	1.6
106°	3.4	1.7	1.7	1.6
106.5°	3.3	1.7	2.0	1.5
107°	3.1	1.6	2.1	1.5
107.5°	3.0	1.6	2.0	1.6
108°	2.9	1.5	1.9	1.6
108.5°	2.8	1.5	2.0	1.6
109°	2.7	1.5	1.9	1.6
109.5°	2.5	1.5	1.9	1.6
110°	2.4	1.6	1.8	1.6
110.5°	2.4	1.6	1.8	1.6
111°	2.3	1.6	1.9	1.6



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	2.2	1.7	1.9	1.7
113°	2.2	1.7	1.9	1.7
113.5°	2.0	1.8	1.9	1.7
114°	1.9	1.8	1.9	1.7
114.5°	1.9	1.9	2.0	1.7
115°	1.9	1.9	2.0	1.8
115.5°	1.8	1.9	2.0	1.8
116°	1.8	2.0	2.0	1.8
116.5°	1.9	2.0	2.0	1.8
117°	1.9	2.1	2.0	1.8
117.5°	2.0	2.3	2.0	1.8
118°	2.0	2.4	2.0	1.8
118.5°	2.1	2.5	2.0	1.8
119°	2.1	2.5	2.0	1.8
119.5°	2.1	2.5	2.1	1.8
120°	2.2	2.5	2.1	1.9
120.5°	2.2	2.5	2.1	1.9
121°	2.2	2.5	2.2	1.9
121.5°	2.3	2.5	2.2	1.9
122°	2.3	2.5	2.2	1.9
122.5°	2.3	2.4	2.2	1.9
123°	2.3	2.4	2.2	2.0
123.5°	2.3	2.3	2.2	2.0
124°	2.4	2.2	2.2	2.0
124.5°	2.5	2.3	2.3	2.0
125°	2.5	2.3	2.3	2.0
125.5°	2.7	2.4	2.3	2.1
126°	2.8	2.6	2.3	2.1
126.5°	2.9	2.6	2.4	2.1
127°	3.0	2.7	2.4	2.1
127.5°	3.1	2.7	2.4	2.2
128°	3.2	2.7	2.4	2.2
128.5°	3.2	2.7	2.4	2.2
129°	3.1	2.7	2.5	2.2
129.5°	3.1	2.7	2.5	2.2
130°	3.1	2.7	2.5	2.2
130.5°	3.1	2.7	2.4	2.2
131°	3.0	2.7	2.2	2.2
131.5°	2.9	2.7	2.2	2.3
132°	2.9	2.7	2.3	2.3
132.5°	2.8	2.7	2.4	2.3
133°	2.8	2.7	2.5	2.3
133.5°	2.8	2.6	2.6	2.3



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
135°	2.8	2.6	2.4	2.3
135.5°	2.8	2.6	2.4	2.3
136°	2.8	2.6	2.5	2.3
136.5°	2.8	2.6	2.5	2.3
137°	2.9	2.6	2.5	2.3
137.5°	2.9	2.6	2.4	2.3
138°	2.9	2.6	2.3	2.3
138.5°	2.9	2.7	2.4	2.3
139°	2.9	2.7	2.4	2.4
139.5°	2.9	2.7	2.4	2.4
140°	2.9	2.7	2.5	2.4
140.5°	2.9	2.8	2.5	2.4
141°	2.9	2.8	2.5	2.4
141.5°	2.9	2.8	2.5	2.4
142°	2.9	2.8	2.5	2.4
142.5°	2.9	2.8	2.5	2.4
143°	2.9	2.8	2.5	2.4
143.5°	2.9	2.8	2.5	2.4
144°	2.9	2.9	2.5	2.4
144.5°	2.9	2.9	2.5	2.4
145°	2.9	2.9	2.5	2.4
145.5°	2.9	2.9	2.5	2.4
146°	2.9	2.9	2.5	2.4
146.5°	2.9	2.9	2.5	2.4
147°	3.0	2.9	2.5	2.4
147.5°	3.0	2.9	2.5	2.4
148°	3.0	3.0	2.5	2.4
148.5°	3.0	3.0	2.5	2.4
149°	3.0	3.0	2.5	2.3
149.5°	3.0	3.0	2.5	2.3
150°	3.0	3.0	2.5	2.3
150.5°	3.1	3.0	2.4	2.3
151°	3.1	3.0	2.4	2.2
151.5°	3.1	3.0	2.4	2.1
152°	3.1	3.0	2.4	2.1
152.5°	3.1	2.9	2.4	2.1
153°	3.1	2.9	2.3	2.1
153.5°	3.1	2.8	2.2	1.9
154°	3.1	2.8	2.1	1.8
154.5°	3.1	2.8	2.1	1.7
155°	3.1	2.7	2.1	1.7
155.5°	3.1	2.6	2.0	1.8
156°	3.2	2.5	1.8	1.7



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
157.5°	3.2	2.5	1.7	1.5
158°	3.2	2.4	1.7	1.6
158.5°	3.2	2.4	1.7	1.6
159°	3.2	2.4	1.7	1.6
159.5°	3.2	2.4	1.7	1.6
160°	3.2	2.4	1.7	1.6
160.5°	3.3	2.4	1.7	1.6
161°	3.3	2.4	1.7	1.6
161.5°	3.3	2.4	1.7	1.6
162°	3.3	2.4	1.6	1.6
162.5°	3.3	2.3	1.6	1.6
163°	3.2	2.2	1.6	1.6
163.5°	3.3	2.1	1.6	1.6
164°	3.3	2.1	1.6	1.6
164.5°	2.9	2.1	1.6	1.6
165°	2.8	2.0	1.6	1.7
165.5°	3.0	1.9	1.6	1.7
166°	3.1	1.8	1.6	1.7
166.5°	2.7	1.7	1.6	1.7
167°	2.5	1.8	1.6	1.7
167.5°	2.9	2.0	1.7	1.7
168°	3.1	2.2	1.7	1.7
168.5°	2.9	2.2	1.8	1.7
169°	2.8	2.2	1.8	1.8
169.5°	2.9	2.4	1.9	1.8
170°	2.8	2.4	2.2	1.9
170.5°	2.8	2.4	2.3	2.1
171°	3.0	2.6	2.3	2.4
171.5°	3.0	2.7	2.5	2.4
172°	3.0	2.7	2.6	2.4
172.5°	3.0	2.8	2.6	2.5
173°	2.9	2.8	2.6	2.5
173.5°	2.9	2.8	2.7	2.5
174°	2.9	2.8	2.8	2.6
174.5°	2.9	2.8	2.8	2.7
175°	2.9	2.8	2.8	2.7
175.5°	2.9	2.8	2.8	2.8
176°	2.8	2.8	2.8	2.8
176.5°	2.8	2.8	2.8	2.8
177°	2.8	2.8	2.8	2.8
177.5°	2.8	2.8	2.8	2.8
178°	2.8	2.8	2.8	2.8
178.5°	2.8	2.8	2.8	2.9



TEST NUMBER: P563538

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
180°	2.6	2.6	2.6	2.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	1380.7	1384.0	1383.6	1381.1	1376.1	1370.1	1363.7	1358.4	1353.8	1351.6	1350.7
22°	1374.1	1377.7	1377.6	1374.7	1369.7	1363.5	1356.5	1351.0	1346.9	1343.9	1343.2



44°	991.8	995.5	990.8	980.3	963.3	942.5	921.2	903.0	889.6	883.0	883.9
44.5°	980.9	983.9	980.1	969.0	951.9	930.7	909.8	891.3	877.9	871.4	871.4



66.5°	455.5	459.8	458.7	452.3	441.9	427.6	414.4	402.8	394.3	389.4	388.1
67°	443.3	447.2	446.8	441.0	430.7	417.1	404.6	393.1	384.6	380.0	379.1



89°	5.6	10.9	20.9	32.3	43.0	50.4	56.4	59.8	61.1	60.6	58.4
89.5°	4.2	7.7	17.2	28.2	38.7	46.7	52.6	55.6	57.0	56.6	54.4



111.5°	1.6	1.6	1.3	1.2	1.6	2.5	3.6	4.7	5.4	5.7	5.5
112°	1.6	1.6	1.4	1.2	1.6	2.4	3.4	4.5	5.2	5.4	5.2



134°	2.3	2.4	2.3	2.8	2.9	2.6	2.5	2.6	2.6	2.7	2.8
134.5°	2.3	2.4	2.4	2.9	3.0	2.6	2.6	2.6	2.7	2.7	2.9



156.5°	1.6	2.5	2.9	2.8	2.8	2.8	3.0	3.3	3.5	3.6	3.6
157°	1.5	2.4	2.9	2.8	2.8	2.8	2.9	3.2	3.4	3.5	3.5



179°	2.8	2.7	2.6	2.4	2.2	2.1	2.3	2.4	2.6	2.8	2.8
179.5°	2.6	2.5	2.5	2.4	2.4	2.4	2.5	2.5	2.6	2.6	2.6





21.5°	1352.0	1355.5	1358.7	1362.8	1366.5	1368.2	1368.3	1366.5	1362.3	1355.9	1347.8
22°	1344.5	1347.8	1351.9	1356.3	1360.4	1361.8	1362.1	1360.4	1355.7	1349.2	1340.8



44°	890.3	903.6	920.7	936.8	951.1	961.5	965.5	963.8	956.8	943.9	925.1
44.5°	878.9	892.4	909.1	924.9	939.7	950.1	953.6	952.9	945.9	932.5	913.4



66.5°	390.9	396.8	405.0	413.3	420.5	425.4	424.3	423.5	418.3	410.8	400.0
67°	381.6	387.0	394.7	402.3	408.8	412.7	412.5	411.4	406.4	399.1	388.8



89°	54.5	49.0	42.0	32.1	21.5	11.5	4.7	0.7	3.8	10.7	17.5
89.5°	50.9	45.5	38.1	28.6	18.5	9.2	3.6	0.7	2.8	8.0	15.9



111.5°	4.7	3.8	2.7	2.0	2.1	2.5	3.1	2.8	3.2	2.4	2.8
112°	4.5	3.6	2.6	2.0	2.1	2.6	3.1	2.9	3.3	2.5	2.8



134°	3.0	3.4	3.9	4.8	4.9	3.9	3.4	3.2	4.0	4.2	3.8
134.5°	3.1	3.5	4.0	4.9	4.9	3.9	3.4	3.2	4.0	4.2	3.8



156.5°	3.5	3.4	3.3	3.4	3.4	3.2	3.0	2.6	2.8	3.2	3.5
157°	3.5	3.3	3.3	3.4	3.3	3.1	2.9	2.6	2.8	3.1	3.5



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





21.5°	1339.0	1329.6	1321.9	1315.4	1312.2	1311.5	1313.3	1319.1	1327.3	1337.8	1348.4
22°	1332.0	1321.7	1313.5	1307.8	1304.4	1302.8	1305.5	1310.6	1319.3	1329.9	1341.1



44°	904.0	880.7	860.1	843.6	833.6	830.9	836.1	849.2	869.1	893.2	919.9
44.5°	892.8	868.7	848.3	832.0	821.5	818.8	824.3	837.7	857.5	881.8	908.0



66.5°	388.0	375.6	365.0	357.0	352.3	351.9	355.4	363.2	374.6	389.4	405.7
67°	377.1	365.3	355.3	347.8	343.4	343.0	346.0	354.0	364.9	378.9	394.9



89°	25.5	32.8	38.5	42.7	45.3	46.4	46.3	44.6	41.5	36.6	30.2
89.5°	22.8	29.8	35.4	39.5	42.2	43.3	43.0	41.3	38.1	33.2	26.8



111.5°	4.4	6.3	7.8	8.7	9.3	9.6	9.4	8.5	7.2	5.7	3.9
112°	4.3	6.1	7.6	8.5	9.1	9.4	9.1	8.3	7.0	5.6	3.8



134°	3.6	3.1	2.7	2.5	2.4	2.4	2.4	2.4	2.5	2.7	3.1
134.5°	3.7	3.1	2.8	2.6	2.4	2.4	2.4	2.5	2.6	2.8	3.1



156.5°	3.8	3.8	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.2
157°	3.9	3.8	3.6	3.5	3.4	3.4	3.4	3.4	3.3	3.3	3.2



179°	2.8	2.7	2.6	2.5	2.5	2.6	2.6	2.7	2.8	2.9	2.9
179.5°	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.7	2.7





21.5°	1358.5	1367.9	1375.2	1380.7
22°	1351.4	1362.0	1369.7	1374.1



44°	944.4	966.1	981.5	991.8
44.5°	933.7	954.7	970.8	980.9



66.5°	422.2	437.3	448.5	455.5
67°	410.9	425.5	436.8	443.3



89°	22.6	16.3	9.5	5.6
89.5°	19.4	13.4	5.6	4.2



111.5°	2.2	1.6	1.9	1.6
112°	2.2	1.7	1.9	1.6



134°	2.8	2.6	2.5	2.3
134.5°	2.8	2.6	2.5	2.3



156.5°	3.2	2.5	1.8	1.6
157°	3.2	2.5	1.8	1.5



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



(END OF REPORT)