

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: NEO-RAY

Report Number: P331822-940

Luminaire Tested: **S122RDIW-S675D1440U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331822-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S675D1440U940-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1440 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6724.7 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

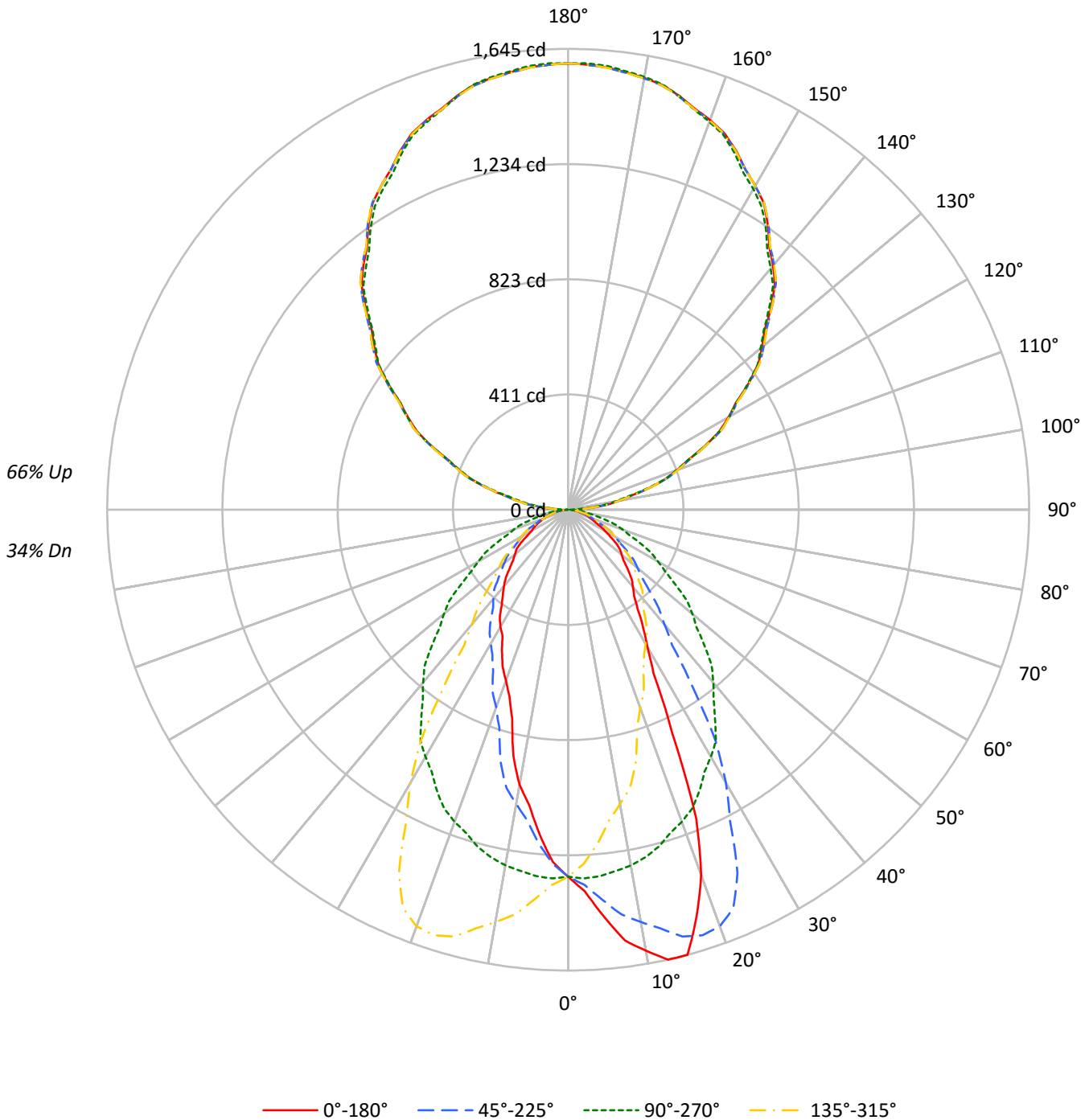
Input Watts (W): 68.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20					20					20					20					20	
RC	80					70					50					30					10	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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34				
1	95	91	87	84	85	82	79	76	66	64	62	51	50	48	37	36	36	29				
2	87	80	74	69	78	72	67	63	58	55	52	45	43	41	33	32	31	26				
3	79	71	64	58	71	64	58	54	52	48	44	41	38	36	30	28	27	22				
4	73	63	55	50	66	57	51	46	46	42	38	36	33	31	27	25	24	20				
5	67	56	49	43	60	51	45	40	42	37	33	33	30	27	25	23	21	18				
6	62	51	43	37	56	46	40	35	38	33	29	30	27	24	23	21	19	16				
7	57	46	38	33	52	42	35	31	34	30	26	27	24	21	21	19	17	14				
8	53	42	34	29	48	38	32	27	31	27	23	25	22	19	19	17	15	13				
9	50	38	31	26	45	35	29	24	29	24	21	23	20	17	18	16	14	12				
10	46	35	28	24	42	32	26	22	27	22	19	22	18	16	17	15	13	11				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	21151	21151	21151	21151
5°	23622	21284	18870	21284
10°	26209	21135	16357	21135
15°	27497	20824	12889	20824
20°	23838	20366	11153	20366
25°	15634	19737	9957	19737
30°	10524	18975	9012	18975
35°	8523	18015	8129	18015
40°	7579	16971	7522	16971
45°	6859	15746	6715	15746
50°	6242	14531	6219	14531
55°	5869	13185	5790	13185
60°	4908	11951	4850	11951
65°	4138	10850	4695	10850
70°	3829	9692	4428	9692
75°	3575	8434	4086	8434
80°	3301	6936	3636	6936
85°	3038	5483	3205	5483



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.2	1.8
10°-20°	346.0	5.1
20°-30°	445.9	6.6
30°-40°	423.7	6.3
40°-50°	363.0	5.4
50°-60°	276.4	4.1
60°-70°	174.7	2.6
70°-80°	87.3	1.3
80°-90°	29.1	0.4
90°-100°	100.9	1.5
100°-110°	313.5	4.7
110°-120°	535.9	8.0
120°-130°	704.7	10.5
130°-140°	791.0	11.8
140°-150°	775.6	11.5
150°-160°	650.5	9.7
160°-170°	431.5	6.4
170°-180°	150.8	2.2
0°-30°	916.1	13.6
0°-40°	1339.8	19.9
0°-60°	1979.2	29.4
0°-90°	2270.3	33.8
90°-120°	950.3	14.1
90°-150°	3221.6	47.9
90°-180°	4454.0	66.2
0°-180°	6724.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1310	1310	1310	1310	1310	
5°	1458	1313	1164	1313	1458	144
15°	1645	1246	771	1246	1645	444
25°	878	1108	559	1108	878	416
35°	432	914	412	914	432	277
45°	300	690	294	690	300	232
55°	208	468	206	468	208	183
65°	108	284	123	284	108	110
75°	57	135	66	135	57	61
85°	16	30	17	30	16	19
90°	46	1	46	1	46	21
95°	83	70	83	70	83	93
105°	298	289	298	289	298	314
115°	538	538	538	538	538	531
125°	785	782	785	782	785	700
135°	1024	1012	1024	1012	1024	789
145°	1242	1229	1242	1229	1242	776
155°	1416	1405	1416	1405	1416	651
165°	1530	1528	1530	1528	1530	431
175°	1585	1590	1585	1590	1585	151
180°	1593	1593	1593	1593	1593	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1363.2	1364.2	1365.4	1362.8	1362.8	1360.6	1355.8	1352.3	1342.0	1340.6	1340.6
5°	1457.5	1456.5	1458.4	1452.5	1444.3	1442.4	1433.8	1422.5	1410.6	1397.4	1394.6
7.5°	1551.2	1549.9	1546.2	1545.2	1538.9	1525.2	1511.3	1496.5	1476.8	1457.6	1448.0
10°	1598.6	1613.6	1604.5	1588.6	1591.8	1570.4	1559.0	1539.4	1523.0	1494.3	1488.0
12.5°	1645.2	1651.1	1648.2	1639.1	1635.0	1620.2	1604.9	1587.9	1557.6	1531.9	1509.5
15°	1645.0	1653.7	1655.9	1653.2	1655.5	1654.6	1646.4	1632.3	1605.9	1577.6	1553.1
17.5°	1523.6	1529.6	1544.5	1554.6	1567.4	1594.3	1607.6	1612.7	1608.8	1592.8	1575.5
20°	1387.4	1377.3	1419.2	1440.6	1458.8	1504.3	1543.5	1558.5	1582.6	1582.2	1577.6
22.5°	1194.4	1196.8	1236.4	1261.9	1315.0	1360.5	1405.2	1461.7	1508.3	1539.2	1557.3
25°	877.6	894.9	934.5	969.1	1028.2	1112.9	1189.8	1279.1	1363.2	1429.7	1493.0
27.5°	659.1	660.4	691.8	723.7	758.8	828.2	925.1	1031.6	1151.6	1250.7	1364.7
30°	564.5	561.7	574.9	594.5	624.5	678.2	751.0	855.8	975.4	1124.7	1257.7
32.5°	497.4	497.6	507.6	522.0	547.0	583.2	633.0	718.1	831.3	978.0	1133.8
35°	432.4	431.9	439.3	449.7	460.2	483.4	517.5	562.1	640.0	776.9	936.3
37.5°	385.8	387.8	391.4	397.9	409.5	422.4	442.9	472.9	528.2	609.3	743.2
40°	359.6	360.5	365.5	371.0	377.8	387.8	404.7	428.7	469.3	534.0	631.8
42.5°	335.6	336.4	340.0	345.1	350.4	360.5	374.4	395.3	428.1	478.6	559.3
45°	300.4	300.4	303.6	305.9	311.8	320.9	332.3	349.6	372.4	409.7	463.3
47.5°	267.4	267.5	269.7	273.6	277.3	284.4	295.6	309.7	326.3	355.2	401.0
50°	248.5	249.0	250.3	253.5	255.8	262.2	270.8	283.1	300.4	322.7	361.0
52.5°	233.3	232.9	234.7	236.0	237.6	242.2	248.6	259.5	274.9	294.4	326.0
55°	208.5	206.6	209.4	211.7	213.0	214.8	218.5	225.3	238.5	254.9	278.6
57.5°	177.5	176.8	178.7	180.8	185.1	190.0	193.1	197.4	204.3	216.1	239.5
60°	152.0	152.0	156.1	157.5	162.5	168.9	175.2	178.9	185.7	193.4	210.7
62.5°	129.5	129.8	131.7	133.1	135.9	143.7	152.7	160.7	167.1	174.5	186.0
65°	108.3	109.2	109.2	110.1	112.0	113.8	117.4	123.8	135.2	145.6	154.3
67.5°	91.9	92.2	92.5	93.4	93.9	95.9	97.3	100.1	102.8	112.7	123.4
70°	81.1	82.4	81.9	82.8	83.3	84.2	86.1	87.4	91.5	93.8	100.1
72.5°	70.8	71.8	71.7	72.3	73.5	73.7	75.1	76.5	79.1	81.1	84.4
75°	57.3	56.9	57.3	58.2	58.7	59.2	59.2	61.0	62.3	64.2	66.4
77.5°	44.2	44.7	44.6	44.7	44.8	45.6	45.5	46.4	47.7	48.6	49.7
80°	35.5	35.9	35.5	35.9	36.4	36.8	36.4	36.8	38.3	39.1	39.1
82.5°	27.5	27.6	27.8	27.9	28.0	28.1	28.8	28.9	29.9	29.7	30.1
85°	16.4	16.0	16.0	16.0	16.4	16.9	16.4	16.4	16.9	16.9	16.9
87.5°	15.0	15.2	15.2	15.2	15.1	15.2	15.2	15.7	15.5	16.0	14.3
90°	45.7	45.4	45.1	44.9	44.5	44.7	45.3	45.8	46.5	47.1	40.5
92.5°	43.5	43.5	43.4	43.3	43.3	43.2	43.1	43.0	42.9	42.7	41.2
95°	83.4	83.9	84.5	85.2	85.7	86.1	86.1	86.1	86.1	86.1	85.4
97.5°	144.4	144.5	144.5	144.5	144.6	144.6	144.6	144.6	144.6	144.6	143.5
100°	184.1	184.5	184.8	185.0	185.4	185.5	185.5	185.5	185.5	185.5	184.6
102.5°	229.3	229.6	230.0	230.2	230.5	230.6	230.3	230.1	229.9	229.6	228.5
105°	298.5	298.5	298.5	298.5	298.5	298.1	297.6	296.9	296.3	295.8	295.2
107.5°	363.5	364.9	366.2	367.7	369.0	369.5	369.3	369.1	368.8	368.6	368.6
110°	414.0	414.9	415.8	416.7	417.6	418.1	418.1	418.1	418.1	418.1	418.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	462.4	463.1	463.8	464.4	465.0	465.7	466.5	467.2	467.9	468.6	468.9
115°	537.7	538.6	539.5	540.4	541.3	541.9	542.2	542.5	542.8	543.1	543.7
117.5°	609.5	610.4	611.3	612.2	613.1	613.9	614.7	615.4	616.1	616.8	618.4
120°	660.0	660.9	661.8	662.7	663.6	664.1	664.1	664.1	664.1	664.1	666.5
122.5°	709.5	710.2	710.9	711.5	712.1	712.8	713.5	714.3	715.0	715.7	717.4
125°	785.1	785.4	785.7	786.0	786.3	786.8	787.7	788.6	789.5	790.4	791.4
127.5°	853.9	854.9	855.8	856.8	857.7	858.7	859.8	860.9	861.9	863.1	864.2
130°	903.4	904.6	905.8	907.0	908.1	909.0	909.6	910.3	910.9	911.4	912.0
132.5°	950.7	951.6	952.6	953.6	954.5	955.6	957.0	958.3	959.6	960.9	960.8
135°	1024.4	1025.3	1026.2	1027.1	1028.0	1028.6	1028.9	1029.1	1029.5	1029.7	1029.1
137.5°	1091.0	1092.3	1093.4	1094.7	1095.8	1096.5	1096.8	1097.0	1097.3	1097.5	1096.7
140°	1137.3	1138.4	1139.7	1140.9	1142.1	1142.6	1142.6	1142.6	1142.6	1142.6	1141.2
142.5°	1179.2	1180.4	1181.6	1182.9	1184.0	1184.5	1184.3	1184.0	1183.7	1183.6	1182.5
145°	1242.2	1243.3	1244.6	1245.7	1246.9	1247.3	1247.1	1246.8	1246.4	1246.2	1244.4
147.5°	1298.3	1299.5	1300.6	1301.7	1302.9	1303.1	1302.4	1301.8	1301.2	1300.5	1299.3
150°	1334.9	1335.8	1336.7	1337.6	1338.5	1338.5	1337.6	1336.7	1335.8	1334.9	1333.7
152.5°	1369.3	1370.5	1371.5	1372.7	1373.9	1373.9	1372.7	1371.5	1370.5	1369.3	1367.9
155°	1415.6	1416.5	1417.4	1418.3	1419.2	1418.8	1417.4	1415.9	1414.3	1412.8	1411.9
157.5°	1455.4	1456.8	1458.2	1459.6	1461.1	1460.8	1458.7	1456.7	1454.6	1452.7	1452.2
160°	1480.1	1481.3	1482.5	1483.6	1484.9	1484.5	1482.7	1481.0	1479.2	1477.4	1477.1
162.5°	1501.6	1503.1	1504.5	1505.9	1507.3	1507.0	1505.0	1503.0	1500.9	1498.9	1498.6
165°	1529.8	1531.3	1532.9	1534.3	1535.8	1535.5	1533.4	1531.3	1529.2	1527.1	1527.1
167.5°	1552.9	1554.5	1556.0	1557.6	1559.2	1558.9	1556.8	1554.7	1552.6	1550.5	1550.6
170°	1564.8	1566.6	1568.3	1570.1	1571.9	1571.8	1569.7	1567.6	1565.5	1563.4	1563.7
172.5°	1574.5	1576.3	1578.1	1579.8	1581.6	1581.4	1579.4	1577.3	1575.2	1573.1	1573.4
175°	1584.9	1586.7	1588.5	1590.3	1592.1	1592.0	1589.8	1587.8	1585.7	1583.6	1584.2
177.5°	1589.7	1591.2	1592.7	1594.1	1595.5	1595.5	1594.1	1592.7	1591.2	1589.7	1590.3
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1341.3	1338.4	1335.9	1329.3	1326.1	1318.8	1317.7	1317.3	1307.8	1298.7	1296.2
5°	1387.4	1380.1	1369.1	1356.4	1343.2	1329.5	1320.4	1313.2	1294.9	1277.6	1267.7
7.5°	1433.8	1418.2	1399.3	1375.2	1355.0	1332.5	1315.7	1300.7	1274.9	1250.1	1233.4
10°	1468.4	1442.9	1417.9	1384.6	1358.7	1333.2	1309.6	1289.1	1259.9	1227.2	1203.9
12.5°	1489.9	1461.9	1427.4	1394.8	1361.3	1328.8	1297.2	1270.9	1236.6	1202.7	1175.2
15°	1518.9	1488.9	1447.0	1400.6	1357.4	1315.0	1278.6	1245.8	1201.2	1160.7	1127.0
17.5°	1542.7	1501.4	1456.3	1402.7	1352.6	1298.8	1251.9	1210.1	1160.4	1111.5	1071.8
20°	1550.3	1509.4	1457.5	1403.7	1344.6	1281.3	1230.8	1185.3	1132.0	1078.8	1033.2
22.5°	1545.6	1513.8	1456.0	1391.8	1331.1	1264.9	1207.8	1155.0	1096.0	1041.6	988.8
25°	1513.5	1502.5	1448.0	1377.8	1308.7	1231.7	1165.7	1107.9	1040.5	982.3	924.9
27.5°	1438.5	1462.1	1428.3	1353.6	1276.7	1194.2	1120.0	1054.2	984.3	918.7	861.6
30°	1366.5	1420.6	1406.0	1336.9	1250.8	1169.8	1086.5	1017.8	943.2	875.7	819.3
32.5°	1267.7	1357.3	1371.5	1313.6	1224.6	1135.6	1048.3	979.9	902.0	831.0	776.0
35°	1110.6	1244.5	1305.9	1269.0	1179.8	1083.8	993.6	914.0	835.7	765.6	711.0
37.5°	923.2	1105.5	1207.8	1210.5	1128.5	1028.7	930.6	851.5	771.3	702.5	643.5
40°	801.6	999.1	1132.5	1162.1	1092.9	985.0	885.7	805.2	726.9	659.5	591.7
42.5°	692.3	889.1	1053.1	1104.6	1049.5	942.4	842.8	758.6	682.5	618.8	549.5
45°	559.9	731.9	912.7	1004.6	974.1	874.9	769.7	689.6	618.1	563.0	496.6
47.5°	472.3	593.5	768.4	892.8	892.2	801.6	698.2	621.5	555.3	503.6	449.8
50°	422.4	528.0	675.9	817.1	828.8	752.9	654.5	578.5	516.7	462.4	419.2
52.5°	377.6	464.7	597.6	732.9	766.6	700.8	605.4	535.2	475.1	425.3	388.3
55°	319.1	386.5	487.5	614.0	665.0	618.6	534.0	468.4	419.6	377.8	345.9
57.5°	269.9	320.5	401.5	503.5	562.8	533.6	463.7	410.5	368.8	330.9	305.8
60°	239.0	280.4	349.1	434.3	499.8	479.3	419.6	370.1	334.6	301.8	278.1
62.5°	209.8	245.4	304.3	373.4	433.5	425.1	376.3	334.7	303.6	273.8	253.7
65°	168.9	194.8	240.8	295.0	343.2	347.3	312.3	284.0	256.3	232.6	214.8
67.5°	134.5	151.4	183.8	229.4	265.6	278.5	257.1	235.5	213.5	195.2	179.8
70°	113.3	127.0	150.7	187.5	220.8	234.4	222.1	205.3	186.2	171.1	157.9
72.5°	91.8	105.1	122.6	149.6	178.2	192.9	188.6	176.6	161.0	148.6	136.1
75°	69.2	73.3	85.2	103.3	125.6	138.4	141.6	135.2	122.9	113.3	106.0
77.5°	51.2	53.6	59.3	68.8	83.4	94.8	99.4	98.7	90.2	84.6	77.8
80°	40.9	42.4	45.0	49.1	60.1	71.4	74.6	74.6	68.8	66.4	59.7
82.5°	31.1	32.1	33.8	36.0	41.1	51.1	54.7	55.4	51.6	48.6	43.2
85°	17.7	17.3	18.2	19.5	20.5	23.2	28.7	29.6	28.7	25.1	23.6
87.5°	12.9	12.0	10.7	9.4	9.0	8.6	9.7	10.8	10.1	9.7	9.7
90°	33.9	27.4	20.8	15.7	12.1	8.5	4.9	1.3	4.9	8.5	12.1
92.5°	39.7	38.1	36.6	34.4	31.8	29.2	26.6	23.9	26.6	29.2	31.8
95°	84.8	84.3	83.6	81.9	78.8	75.9	72.9	69.9	72.9	75.9	78.8
97.5°	142.4	141.2	140.1	138.2	135.6	133.0	130.4	127.7	130.4	133.0	135.6
100°	183.7	182.8	181.9	180.3	177.9	175.5	173.1	170.8	173.1	175.5	177.9
102.5°	227.3	226.2	225.1	223.6	221.6	219.7	217.8	215.9	217.8	219.7	221.6
105°	294.5	294.0	293.4	292.6	291.7	290.8	289.9	289.0	289.9	290.8	291.7
107.5°	368.6	368.6	368.6	367.9	366.7	365.3	364.0	362.7	364.0	365.3	366.7
110°	418.1	418.1	418.1	417.1	415.4	413.6	411.8	410.0	411.8	413.6	415.4





TEST NUMBER: P331822-940

CATALOG NUMBER: S122RDIW-S675D1440U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	469.1	469.3	469.6	468.8	467.0	465.2	463.4	461.6	463.4	465.2	467.0
115°	544.3	544.9	545.5	544.9	543.1	541.3	539.5	537.7	539.5	541.3	543.1
117.5°	620.1	621.8	623.5	623.1	620.7	618.3	615.9	613.6	615.9	618.3	620.7
120°	668.9	671.3	673.7	673.7	671.3	668.9	666.5	664.1	666.5	668.9	671.3
122.5°	719.1	720.8	722.4	721.8	718.9	716.0	713.2	710.3	713.2	716.0	718.9
125°	792.3	793.2	794.1	793.2	790.4	787.7	785.1	782.4	785.1	787.7	790.4
127.5°	865.2	866.3	867.4	866.2	862.8	859.3	856.0	852.6	856.0	859.3	862.8
130°	912.7	913.2	913.8	912.2	908.3	904.5	900.5	896.6	900.5	904.5	908.3
132.5°	960.6	960.6	960.5	958.8	955.6	952.4	949.3	946.1	949.3	952.4	955.6
135°	1028.6	1028.0	1027.3	1025.4	1022.1	1018.9	1015.6	1012.3	1015.6	1018.9	1022.1
137.5°	1095.9	1095.2	1094.4	1092.6	1089.9	1087.3	1084.6	1081.9	1084.6	1087.3	1089.9
140°	1139.7	1138.2	1136.7	1134.6	1131.9	1129.3	1126.5	1123.8	1126.5	1129.3	1131.9
142.5°	1181.5	1180.4	1179.5	1177.6	1174.9	1172.2	1169.6	1166.9	1169.6	1172.2	1174.9
145°	1242.6	1240.8	1239.0	1237.1	1234.9	1232.9	1230.8	1228.7	1230.8	1232.9	1234.9
147.5°	1298.1	1296.9	1295.7	1293.9	1291.4	1288.8	1286.3	1283.8	1286.3	1288.8	1291.4
150°	1332.5	1331.3	1330.1	1328.6	1326.9	1325.1	1323.2	1321.4	1323.2	1325.1	1326.9
152.5°	1366.5	1365.0	1363.6	1362.0	1360.1	1358.3	1356.6	1354.8	1356.6	1358.3	1360.1
155°	1411.0	1410.2	1409.3	1408.4	1407.5	1406.6	1405.7	1404.8	1405.7	1406.6	1407.5
157.5°	1451.6	1451.1	1450.5	1449.9	1449.4	1448.8	1448.1	1447.5	1448.1	1448.8	1449.4
160°	1476.8	1476.5	1476.2	1475.8	1475.2	1474.5	1474.0	1473.4	1474.0	1474.5	1475.2
162.5°	1498.3	1498.0	1497.7	1497.5	1497.4	1497.3	1497.2	1497.0	1497.2	1497.3	1497.4
165°	1527.1	1527.1	1527.1	1527.3	1527.6	1527.9	1528.2	1528.5	1528.2	1527.9	1527.6
167.5°	1550.7	1550.7	1550.8	1551.2	1552.1	1553.0	1553.9	1554.8	1553.9	1553.0	1552.1
170°	1564.1	1564.3	1564.6	1565.2	1566.1	1567.0	1567.9	1568.8	1567.9	1567.0	1566.1
172.5°	1573.7	1574.0	1574.3	1574.9	1575.8	1576.7	1577.6	1578.5	1577.6	1576.7	1575.8
175°	1584.7	1585.4	1586.0	1586.7	1587.6	1588.5	1589.4	1590.3	1589.4	1588.5	1587.6
177.5°	1590.7	1591.2	1591.7	1592.3	1593.0	1593.8	1594.5	1595.2	1594.5	1593.8	1593.0
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



TEST NUMBER: P331822-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1291.5	1288.9	1284.2	1276.8	1272.5	1264.8	1259.7	1262.7	1263.4	1262.7	1261.9
5°	1256.8	1247.1	1233.9	1221.2	1209.4	1196.7	1189.4	1186.2	1179.8	1176.2	1174.4
7.5°	1214.8	1198.3	1179.6	1157.4	1138.5	1118.8	1108.8	1103.7	1090.7	1083.6	1077.4
10°	1183.5	1157.5	1138.9	1109.7	1092.0	1066.0	1048.3	1048.7	1031.0	1020.9	1013.7
12.5°	1148.9	1120.3	1089.3	1063.1	1038.4	1017.6	996.2	987.6	968.7	959.0	939.4
15°	1091.5	1058.3	1025.6	990.0	965.0	932.6	901.7	863.9	833.4	807.0	799.8
17.5°	1028.9	987.7	954.8	913.2	870.3	815.9	780.1	758.1	739.8	725.9	715.4
20°	985.9	944.1	909.0	846.1	788.4	751.5	725.1	708.3	689.1	674.1	665.9
22.5°	940.8	897.1	849.3	779.2	734.1	704.5	681.0	661.6	648.7	636.9	629.5
25°	876.6	828.8	750.1	701.9	665.5	634.5	618.1	606.3	592.6	576.7	569.4
27.5°	809.0	732.9	676.4	640.5	605.7	585.6	570.9	553.2	541.0	533.9	526.3
30°	758.3	682.3	638.2	599.1	574.4	552.1	534.8	524.9	513.0	500.7	495.7
32.5°	701.9	641.1	598.9	566.2	541.3	522.3	508.6	492.4	483.8	476.3	465.8
35°	631.8	585.9	547.2	520.8	497.0	481.6	465.7	456.1	440.6	434.3	430.2
37.5°	572.4	532.5	503.7	475.8	457.1	440.0	430.3	415.0	408.3	399.5	390.8
40°	539.0	499.8	472.0	449.2	428.3	415.5	403.3	391.0	380.9	376.9	366.4
42.5°	504.7	472.9	445.1	420.1	406.1	392.6	377.1	368.1	357.7	351.1	344.6
45°	457.4	429.3	405.6	385.0	369.6	355.5	345.4	330.5	324.6	311.3	305.9
47.5°	416.0	389.7	367.1	347.7	332.5	323.3	308.7	296.9	287.5	279.4	272.4
50°	386.5	364.6	342.8	325.5	311.8	298.6	283.6	277.7	263.1	259.0	254.9
52.5°	359.5	338.8	318.7	301.8	288.1	275.3	262.1	254.3	244.5	240.4	237.5
55°	321.8	301.8	282.7	267.6	254.0	240.8	232.6	223.0	218.5	215.3	211.7
57.5°	283.9	265.9	251.3	236.0	222.3	211.9	202.3	196.6	191.9	187.7	183.3
60°	259.9	242.6	229.4	215.3	201.2	192.5	185.3	178.4	173.0	166.6	164.8
62.5°	234.4	219.3	207.2	193.4	181.2	173.3	166.3	159.9	153.3	144.0	141.4
65°	199.4	187.5	174.8	163.5	152.5	144.7	134.7	127.4	124.8	123.8	123.3
67.5°	167.7	156.5	145.5	133.9	123.9	116.8	111.7	110.6	108.7	108.2	106.9
70°	146.6	136.1	125.2	114.2	104.7	103.3	101.5	99.7	97.4	96.5	95.6
72.5°	127.6	116.8	105.8	97.1	93.0	91.3	89.5	87.7	86.1	85.2	84.6
75°	97.8	87.8	80.6	77.4	75.1	73.7	71.0	69.6	68.8	67.3	66.9
77.5°	70.4	64.8	61.4	59.5	57.1	55.6	54.0	52.7	51.7	51.5	50.7
80°	53.7	51.0	48.7	46.0	45.0	43.2	42.8	41.5	41.9	40.5	40.5
82.5°	41.7	38.3	36.3	35.0	34.2	32.7	32.2	31.6	31.7	30.7	30.7
85°	21.4	20.5	19.5	18.6	18.6	17.3	17.7	17.3	17.3	16.4	16.0
87.5°	10.1	10.7	11.3	12.6	13.9	14.9	14.7	14.3	14.2	14.0	13.6
90°	15.7	20.8	27.4	33.9	40.5	47.1	46.5	45.8	45.3	44.7	44.5
92.5°	34.4	36.6	38.1	39.7	41.2	42.7	42.9	43.0	43.1	43.2	43.3
95°	81.9	83.6	84.3	84.8	85.4	86.1	86.1	86.1	86.1	86.1	85.7
97.5°	138.2	140.1	141.2	142.4	143.5	144.6	144.6	144.6	144.6	144.6	144.6
100°	180.3	181.9	182.8	183.7	184.6	185.5	185.5	185.5	185.5	185.5	185.4
102.5°	223.6	225.1	226.2	227.3	228.5	229.6	229.9	230.1	230.3	230.6	230.5
105°	292.6	293.4	294.0	294.5	295.2	295.8	296.3	296.9	297.6	298.1	298.5
107.5°	367.9	368.6	368.6	368.6	368.6	368.6	368.8	369.1	369.3	369.5	369.0
110°	417.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1	417.6



TEST NUMBER: P331822-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	468.8	469.6	469.3	469.1	468.9	468.6	467.9	467.2	466.5	465.7	465.0
115°	544.9	545.5	544.9	544.3	543.7	543.1	542.8	542.5	542.2	541.9	541.3
117.5°	623.1	623.5	621.8	620.1	618.4	616.8	616.1	615.4	614.7	613.9	613.1
120°	673.7	673.7	671.3	668.9	666.5	664.1	664.1	664.1	664.1	664.1	663.6
122.5°	721.8	722.4	720.8	719.1	717.4	715.7	715.0	714.3	713.5	712.8	712.1
125°	793.2	794.1	793.2	792.3	791.4	790.4	789.5	788.6	787.7	786.8	786.3
127.5°	866.2	867.4	866.3	865.2	864.2	863.1	861.9	860.9	859.8	858.7	857.7
130°	912.2	913.8	913.2	912.7	912.0	911.4	910.9	910.3	909.6	909.0	908.1
132.5°	958.8	960.5	960.6	960.6	960.8	960.9	959.6	958.3	957.0	955.6	954.5
135°	1025.4	1027.3	1028.0	1028.6	1029.1	1029.7	1029.5	1029.1	1028.9	1028.6	1028.0
137.5°	1092.6	1094.4	1095.2	1095.9	1096.7	1097.5	1097.3	1097.0	1096.8	1096.5	1095.8
140°	1134.6	1136.7	1138.2	1139.7	1141.2	1142.6	1142.6	1142.6	1142.6	1142.6	1142.1
142.5°	1177.6	1179.5	1180.4	1181.5	1182.5	1183.6	1183.7	1184.0	1184.3	1184.5	1184.0
145°	1237.1	1239.0	1240.8	1242.6	1244.4	1246.2	1246.4	1246.8	1247.1	1247.3	1246.9
147.5°	1293.9	1295.7	1296.9	1298.1	1299.3	1300.5	1301.2	1301.8	1302.4	1303.1	1302.9
150°	1328.6	1330.1	1331.3	1332.5	1333.7	1334.9	1335.8	1336.7	1337.6	1338.5	1338.5
152.5°	1362.0	1363.6	1365.0	1366.5	1367.9	1369.3	1370.5	1371.5	1372.7	1373.9	1373.9
155°	1408.4	1409.3	1410.2	1411.0	1411.9	1412.8	1414.3	1415.9	1417.4	1418.8	1419.2
157.5°	1449.9	1450.5	1451.1	1451.6	1452.2	1452.7	1454.6	1456.7	1458.7	1460.8	1461.1
160°	1475.8	1476.2	1476.5	1476.8	1477.1	1477.4	1479.2	1481.0	1482.7	1484.5	1484.9
162.5°	1497.5	1497.7	1498.0	1498.3	1498.6	1498.9	1500.9	1503.0	1505.0	1507.0	1507.3
165°	1527.3	1527.1	1527.1	1527.1	1527.1	1527.1	1529.2	1531.3	1533.4	1535.5	1535.8
167.5°	1551.2	1550.8	1550.7	1550.7	1550.6	1550.5	1552.6	1554.7	1556.8	1558.9	1559.2
170°	1565.2	1564.6	1564.3	1564.1	1563.7	1563.4	1565.5	1567.6	1569.7	1571.8	1571.9
172.5°	1574.9	1574.3	1574.0	1573.7	1573.4	1573.1	1575.2	1577.3	1579.4	1581.4	1581.6
175°	1586.7	1586.0	1585.4	1584.7	1584.2	1583.6	1585.7	1587.8	1589.8	1592.0	1592.1
177.5°	1592.3	1591.7	1591.2	1590.7	1590.3	1589.7	1591.2	1592.7	1594.1	1595.5	1595.5
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1257.9	1258.6	1257.6	1258.3	1257.6	1258.6	1257.9	1261.9	1262.7	1263.4	1262.7
5°	1172.1	1166.6	1165.7	1164.3	1165.7	1166.6	1172.1	1174.4	1176.2	1179.8	1186.2
7.5°	1069.6	1068.7	1066.5	1063.3	1066.5	1068.7	1069.6	1077.4	1083.6	1090.7	1103.7
10°	1003.6	1001.4	1000.9	997.7	1000.9	1001.4	1003.6	1013.7	1020.9	1031.0	1048.7
12.5°	926.5	911.8	910.3	902.3	910.3	911.8	926.5	939.4	959.0	968.7	987.6
15°	788.8	786.1	776.9	771.1	776.9	786.1	788.8	799.8	807.0	833.4	863.9
17.5°	710.2	701.2	698.4	697.1	698.4	701.2	710.2	715.4	725.9	739.8	758.1
20°	659.5	651.4	650.0	649.1	650.0	651.4	659.5	665.9	674.1	689.1	708.3
22.5°	624.6	616.0	612.5	609.8	612.5	616.0	624.6	629.5	636.9	648.7	661.6
25°	564.9	561.7	559.9	558.9	559.9	561.7	564.9	569.4	576.7	592.6	606.3
27.5°	518.2	511.1	509.8	507.5	509.8	511.1	518.2	526.3	533.9	541.0	553.2
30°	491.6	489.3	486.2	483.4	486.2	489.3	491.6	495.7	500.7	513.0	524.9
32.5°	460.3	458.3	455.6	454.2	455.6	458.3	460.3	465.8	476.3	483.8	492.4
35°	425.6	419.2	416.5	412.4	416.5	419.2	425.6	430.2	434.3	440.6	456.1
37.5°	388.9	385.6	381.7	383.1	381.7	385.6	388.9	390.8	399.5	408.3	415.0
40°	360.5	358.2	357.3	356.9	357.3	358.2	360.5	366.4	376.9	380.9	391.0
42.5°	338.0	331.6	329.3	329.2	329.3	331.6	338.0	344.6	351.1	357.7	368.1
45°	303.6	297.7	293.6	294.1	293.6	297.7	303.6	305.9	311.3	324.6	330.5
47.5°	268.5	268.3	265.7	266.5	265.7	268.3	268.5	272.4	279.4	287.5	296.9
50°	251.7	249.0	247.2	247.6	247.2	249.0	251.7	254.9	259.0	263.1	277.7
52.5°	235.7	233.4	231.8	233.8	231.8	233.4	235.7	237.5	240.4	244.5	254.3
55°	209.4	206.6	206.2	205.7	206.2	206.6	209.4	211.7	215.3	218.5	223.0
57.5°	179.9	178.2	175.4	174.2	175.4	178.2	179.9	183.3	187.7	191.9	196.6
60°	158.8	155.2	150.7	150.2	150.7	155.2	158.8	164.8	166.6	173.0	178.4
62.5°	139.6	138.8	137.9	137.9	137.9	138.8	139.6	141.4	144.0	153.3	159.9
65°	122.4	122.0	122.4	122.9	122.4	122.0	122.4	123.3	123.8	124.8	127.4
67.5°	106.7	105.8	105.0	105.4	105.0	105.8	106.7	106.9	108.2	108.7	110.6
70°	94.7	94.3	93.8	93.8	93.8	94.3	94.7	95.6	96.5	97.4	99.7
72.5°	83.0	82.9	82.5	82.1	82.5	82.9	83.0	84.6	85.2	86.1	87.7
75°	66.4	65.5	65.5	65.5	65.5	65.5	66.4	66.9	67.3	68.8	69.6
77.5°	50.6	50.2	49.7	49.3	49.7	50.2	50.6	50.7	51.5	51.7	52.7
80°	40.0	39.6	39.1	39.1	39.1	39.6	40.0	40.5	40.5	41.9	41.5
82.5°	30.6	30.1	30.1	29.7	30.1	30.1	30.6	30.7	30.7	31.7	31.6
85°	16.4	16.9	16.4	17.3	16.4	16.9	16.4	16.0	16.4	17.3	17.3
87.5°	13.7	13.4	13.8	13.6	13.8	13.4	13.7	13.6	14.0	14.2	14.3
90°	44.9	45.1	45.4	45.7	45.4	45.1	44.9	44.5	44.7	45.3	45.8
92.5°	43.3	43.4	43.5	43.5	43.5	43.4	43.3	43.3	43.2	43.1	43.0
95°	85.2	84.5	83.9	83.4	83.9	84.5	85.2	85.7	86.1	86.1	86.1
97.5°	144.5	144.5	144.5	144.4	144.5	144.5	144.5	144.6	144.6	144.6	144.6
100°	185.0	184.8	184.5	184.1	184.5	184.8	185.0	185.4	185.5	185.5	185.5
102.5°	230.2	230.0	229.6	229.3	229.6	230.0	230.2	230.5	230.6	230.3	230.1
105°	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.1	297.6	296.9
107.5°	367.7	366.2	364.9	363.5	364.9	366.2	367.7	369.0	369.5	369.3	369.1
110°	416.7	415.8	414.9	414.0	414.9	415.8	416.7	417.6	418.1	418.1	418.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	464.4	463.8	463.1	462.4	463.1	463.8	464.4	465.0	465.7	466.5	467.2
115°	540.4	539.5	538.6	537.7	538.6	539.5	540.4	541.3	541.9	542.2	542.5
117.5°	612.2	611.3	610.4	609.5	610.4	611.3	612.2	613.1	613.9	614.7	615.4
120°	662.7	661.8	660.9	660.0	660.9	661.8	662.7	663.6	664.1	664.1	664.1
122.5°	711.5	710.9	710.2	709.5	710.2	710.9	711.5	712.1	712.8	713.5	714.3
125°	786.0	785.7	785.4	785.1	785.4	785.7	786.0	786.3	786.8	787.7	788.6
127.5°	856.8	855.8	854.9	853.9	854.9	855.8	856.8	857.7	858.7	859.8	860.9
130°	907.0	905.8	904.6	903.4	904.6	905.8	907.0	908.1	909.0	909.6	910.3
132.5°	953.6	952.6	951.6	950.7	951.6	952.6	953.6	954.5	955.6	957.0	958.3
135°	1027.1	1026.2	1025.3	1024.4	1025.3	1026.2	1027.1	1028.0	1028.6	1028.9	1029.1
137.5°	1094.7	1093.4	1092.3	1091.0	1092.3	1093.4	1094.7	1095.8	1096.5	1096.8	1097.0
140°	1140.9	1139.7	1138.4	1137.3	1138.4	1139.7	1140.9	1142.1	1142.6	1142.6	1142.6
142.5°	1182.9	1181.6	1180.4	1179.2	1180.4	1181.6	1182.9	1184.0	1184.5	1184.3	1184.0
145°	1245.7	1244.6	1243.3	1242.2	1243.3	1244.6	1245.7	1246.9	1247.3	1247.1	1246.8
147.5°	1301.7	1300.6	1299.5	1298.3	1299.5	1300.6	1301.7	1302.9	1303.1	1302.4	1301.8
150°	1337.6	1336.7	1335.8	1334.9	1335.8	1336.7	1337.6	1338.5	1338.5	1337.6	1336.7
152.5°	1372.7	1371.5	1370.5	1369.3	1370.5	1371.5	1372.7	1373.9	1373.9	1372.7	1371.5
155°	1418.3	1417.4	1416.5	1415.6	1416.5	1417.4	1418.3	1419.2	1418.8	1417.4	1415.9
157.5°	1459.6	1458.2	1456.8	1455.4	1456.8	1458.2	1459.6	1461.1	1460.8	1458.7	1456.7
160°	1483.6	1482.5	1481.3	1480.1	1481.3	1482.5	1483.6	1484.9	1484.5	1482.7	1481.0
162.5°	1505.9	1504.5	1503.1	1501.6	1503.1	1504.5	1505.9	1507.3	1507.0	1505.0	1503.0
165°	1534.3	1532.9	1531.3	1529.8	1531.3	1532.9	1534.3	1535.8	1535.5	1533.4	1531.3
167.5°	1557.6	1556.0	1554.5	1552.9	1554.5	1556.0	1557.6	1559.2	1558.9	1556.8	1554.7
170°	1570.1	1568.3	1566.6	1564.8	1566.6	1568.3	1570.1	1571.9	1571.8	1569.7	1567.6
172.5°	1579.8	1578.1	1576.3	1574.5	1576.3	1578.1	1579.8	1581.6	1581.4	1579.4	1577.3
175°	1590.3	1588.5	1586.7	1584.9	1586.7	1588.5	1590.3	1592.1	1592.0	1589.8	1587.8
177.5°	1594.1	1592.7	1591.2	1589.7	1591.2	1592.7	1594.1	1595.5	1595.5	1594.1	1592.7
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



TEST NUMBER: P331822-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1259.7	1264.8	1272.5	1276.8	1284.2	1288.9	1291.5	1296.2	1298.7	1307.8	1317.3
5°	1189.4	1196.7	1209.4	1221.2	1233.9	1247.1	1256.8	1267.7	1277.6	1294.9	1313.2
7.5°	1108.8	1118.8	1138.5	1157.4	1179.6	1198.3	1214.8	1233.4	1250.1	1274.9	1300.7
10°	1048.3	1066.0	1092.0	1109.7	1138.9	1157.5	1183.5	1203.9	1227.2	1259.9	1289.1
12.5°	996.2	1017.6	1038.4	1063.1	1089.3	1120.3	1148.9	1175.2	1202.7	1236.6	1270.9
15°	901.7	932.6	965.0	990.0	1025.6	1058.3	1091.5	1127.0	1160.7	1201.2	1245.8
17.5°	780.1	815.9	870.3	913.2	954.8	987.7	1028.9	1071.8	1111.5	1160.4	1210.1
20°	725.1	751.5	788.4	846.1	909.0	944.1	985.9	1033.2	1078.8	1132.0	1185.3
22.5°	681.0	704.5	734.1	779.2	849.3	897.1	940.8	988.8	1041.6	1096.0	1155.0
25°	618.1	634.5	665.5	701.9	750.1	828.8	876.6	924.9	982.3	1040.5	1107.9
27.5°	570.9	585.6	605.7	640.5	676.4	732.9	809.0	861.6	918.7	984.3	1054.2
30°	534.8	552.1	574.4	599.1	638.2	682.3	758.3	819.3	875.7	943.2	1017.8
32.5°	508.6	522.3	541.3	566.2	598.9	641.1	701.9	776.0	831.0	902.0	979.9
35°	465.7	481.6	497.0	520.8	547.2	585.9	631.8	711.0	765.6	835.7	914.0
37.5°	430.3	440.0	457.1	475.8	503.7	532.5	572.4	643.5	702.5	771.3	851.5
40°	403.3	415.5	428.3	449.2	472.0	499.8	539.0	591.7	659.5	726.9	805.2
42.5°	377.1	392.6	406.1	420.1	445.1	472.9	504.7	549.5	618.8	682.5	758.6
45°	345.4	355.5	369.6	385.0	405.6	429.3	457.4	496.6	563.0	618.1	689.6
47.5°	308.7	323.3	332.5	347.7	367.1	389.7	416.0	449.8	503.6	555.3	621.5
50°	283.6	298.6	311.8	325.5	342.8	364.6	386.5	419.2	462.4	516.7	578.5
52.5°	262.1	275.3	288.1	301.8	318.7	338.8	359.5	388.3	425.3	475.1	535.2
55°	232.6	240.8	254.0	267.6	282.7	301.8	321.8	345.9	377.8	419.6	468.4
57.5°	202.3	211.9	222.3	236.0	251.3	265.9	283.9	305.8	330.9	368.8	410.5
60°	185.3	192.5	201.2	215.3	229.4	242.6	259.9	278.1	301.8	334.6	370.1
62.5°	166.3	173.3	181.2	193.4	207.2	219.3	234.4	253.7	273.8	303.6	334.7
65°	134.7	144.7	152.5	163.5	174.8	187.5	199.4	214.8	232.6	256.3	284.0
67.5°	111.7	116.8	123.9	133.9	145.5	156.5	167.7	179.8	195.2	213.5	235.5
70°	101.5	103.3	104.7	114.2	125.2	136.1	146.6	157.9	171.1	186.2	205.3
72.5°	89.5	91.3	93.0	97.1	105.8	116.8	127.6	136.1	148.6	161.0	176.6
75°	71.0	73.7	75.1	77.4	80.6	87.8	97.8	106.0	113.3	122.9	135.2
77.5°	54.0	55.6	57.1	59.5	61.4	64.8	70.4	77.8	84.6	90.2	98.7
80°	42.8	43.2	45.0	46.0	48.7	51.0	53.7	59.7	66.4	68.8	74.6
82.5°	32.2	32.7	34.2	35.0	36.3	38.3	41.7	43.2	48.6	51.6	55.4
85°	17.7	17.3	18.6	18.6	19.5	20.5	21.4	23.6	25.1	28.7	29.6
87.5°	14.7	14.9	13.9	12.6	11.3	10.7	10.1	9.7	9.7	10.1	10.8
90°	46.5	47.1	40.5	33.9	27.4	20.8	15.7	12.1	8.5	4.9	1.3
92.5°	42.9	42.7	41.2	39.7	38.1	36.6	34.4	31.8	29.2	26.6	23.9
95°	86.1	86.1	85.4	84.8	84.3	83.6	81.9	78.8	75.9	72.9	69.9
97.5°	144.6	144.6	143.5	142.4	141.2	140.1	138.2	135.6	133.0	130.4	127.7
100°	185.5	185.5	184.6	183.7	182.8	181.9	180.3	177.9	175.5	173.1	170.8
102.5°	229.9	229.6	228.5	227.3	226.2	225.1	223.6	221.6	219.7	217.8	215.9
105°	296.3	295.8	295.2	294.5	294.0	293.4	292.6	291.7	290.8	289.9	289.0
107.5°	368.8	368.6	368.6	368.6	368.6	368.6	367.9	366.7	365.3	364.0	362.7
110°	418.1	418.1	418.1	418.1	418.1	418.1	417.1	415.4	413.6	411.8	410.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	467.9	468.6	468.9	469.1	469.3	469.6	468.8	467.0	465.2	463.4	461.6
115°	542.8	543.1	543.7	544.3	544.9	545.5	544.9	543.1	541.3	539.5	537.7
117.5°	616.1	616.8	618.4	620.1	621.8	623.5	623.1	620.7	618.3	615.9	613.6
120°	664.1	664.1	666.5	668.9	671.3	673.7	673.7	671.3	668.9	666.5	664.1
122.5°	715.0	715.7	717.4	719.1	720.8	722.4	721.8	718.9	716.0	713.2	710.3
125°	789.5	790.4	791.4	792.3	793.2	794.1	793.2	790.4	787.7	785.1	782.4
127.5°	861.9	863.1	864.2	865.2	866.3	867.4	866.2	862.8	859.3	856.0	852.6
130°	910.9	911.4	912.0	912.7	913.2	913.8	912.2	908.3	904.5	900.5	896.6
132.5°	959.6	960.9	960.8	960.6	960.6	960.5	958.8	955.6	952.4	949.3	946.1
135°	1029.5	1029.7	1029.1	1028.6	1028.0	1027.3	1025.4	1022.1	1018.9	1015.6	1012.3
137.5°	1097.3	1097.5	1096.7	1095.9	1095.2	1094.4	1092.6	1089.9	1087.3	1084.6	1081.9
140°	1142.6	1142.6	1141.2	1139.7	1138.2	1136.7	1134.6	1131.9	1129.3	1126.5	1123.8
142.5°	1183.7	1183.6	1182.5	1181.5	1180.4	1179.5	1177.6	1174.9	1172.2	1169.6	1166.9
145°	1246.4	1246.2	1244.4	1242.6	1240.8	1239.0	1237.1	1234.9	1232.9	1230.8	1228.7
147.5°	1301.2	1300.5	1299.3	1298.1	1296.9	1295.7	1293.9	1291.4	1288.8	1286.3	1283.8
150°	1335.8	1334.9	1333.7	1332.5	1331.3	1330.1	1328.6	1326.9	1325.1	1323.2	1321.4
152.5°	1370.5	1369.3	1367.9	1366.5	1365.0	1363.6	1362.0	1360.1	1358.3	1356.6	1354.8
155°	1414.3	1412.8	1411.9	1411.0	1410.2	1409.3	1408.4	1407.5	1406.6	1405.7	1404.8
157.5°	1454.6	1452.7	1452.2	1451.6	1451.1	1450.5	1449.9	1449.4	1448.8	1448.1	1447.5
160°	1479.2	1477.4	1477.1	1476.8	1476.5	1476.2	1475.8	1475.2	1474.5	1474.0	1473.4
162.5°	1500.9	1498.9	1498.6	1498.3	1498.0	1497.7	1497.5	1497.4	1497.3	1497.2	1497.0
165°	1529.2	1527.1	1527.1	1527.1	1527.1	1527.1	1527.3	1527.6	1527.9	1528.2	1528.5
167.5°	1552.6	1550.5	1550.6	1550.7	1550.7	1550.8	1551.2	1552.1	1553.0	1553.9	1554.8
170°	1565.5	1563.4	1563.7	1564.1	1564.3	1564.6	1565.2	1566.1	1567.0	1567.9	1568.8
172.5°	1575.2	1573.1	1573.4	1573.7	1574.0	1574.3	1574.9	1575.8	1576.7	1577.6	1578.5
175°	1585.7	1583.6	1584.2	1584.7	1585.4	1586.0	1586.7	1587.6	1588.5	1589.4	1590.3
177.5°	1591.2	1589.7	1590.3	1590.7	1591.2	1591.7	1592.3	1593.0	1593.8	1594.5	1595.2
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1317.7	1318.8	1326.1	1329.3	1335.9	1338.4	1341.3	1340.6	1340.6	1342.0	1352.3
5°	1320.4	1329.5	1343.2	1356.4	1369.1	1380.1	1387.4	1394.6	1397.4	1410.6	1422.5
7.5°	1315.7	1332.5	1355.0	1375.2	1399.3	1418.2	1433.8	1448.0	1457.6	1476.8	1496.5
10°	1309.6	1333.2	1358.7	1384.6	1417.9	1442.9	1468.4	1488.0	1494.3	1523.0	1539.4
12.5°	1297.2	1328.8	1361.3	1394.8	1427.4	1461.9	1489.9	1509.5	1531.9	1557.6	1587.9
15°	1278.6	1315.0	1357.4	1400.6	1447.0	1488.9	1518.9	1553.1	1577.6	1605.9	1632.3
17.5°	1251.9	1298.8	1352.6	1402.7	1456.3	1501.4	1542.7	1575.5	1592.8	1608.8	1612.7
20°	1230.8	1281.3	1344.6	1403.7	1457.5	1509.4	1550.3	1577.6	1582.2	1582.6	1558.5
22.5°	1207.8	1264.9	1331.1	1391.8	1456.0	1513.8	1545.6	1557.3	1539.2	1508.3	1461.7
25°	1165.7	1231.7	1308.7	1377.8	1448.0	1502.5	1513.5	1493.0	1429.7	1363.2	1279.1
27.5°	1120.0	1194.2	1276.7	1353.6	1428.3	1462.1	1438.5	1364.7	1250.7	1151.6	1031.6
30°	1086.5	1169.8	1250.8	1336.9	1406.0	1420.6	1366.5	1257.7	1124.7	975.4	855.8
32.5°	1048.3	1135.6	1224.6	1313.6	1371.5	1357.3	1267.7	1133.8	978.0	831.3	718.1
35°	993.6	1083.8	1179.8	1269.0	1305.9	1244.5	1110.6	936.3	776.9	640.0	562.1
37.5°	930.6	1028.7	1128.5	1210.5	1207.8	1105.5	923.2	743.2	609.3	528.2	472.9
40°	885.7	985.0	1092.9	1162.1	1132.5	999.1	801.6	631.8	534.0	469.3	428.7
42.5°	842.8	942.4	1049.5	1104.6	1053.1	889.1	692.3	559.3	478.6	428.1	395.3
45°	769.7	874.9	974.1	1004.6	912.7	731.9	559.9	463.3	409.7	372.4	349.6
47.5°	698.2	801.6	892.2	892.8	768.4	593.5	472.3	401.0	355.2	326.3	309.7
50°	654.5	752.9	828.8	817.1	675.9	528.0	422.4	361.0	322.7	300.4	283.1
52.5°	605.4	700.8	766.6	732.9	597.6	464.7	377.6	326.0	294.4	274.9	259.5
55°	534.0	618.6	665.0	614.0	487.5	386.5	319.1	278.6	254.9	238.5	225.3
57.5°	463.7	533.6	562.8	503.5	401.5	320.5	269.9	239.5	216.1	204.3	197.4
60°	419.6	479.3	499.8	434.3	349.1	280.4	239.0	210.7	193.4	185.7	178.9
62.5°	376.3	425.1	433.5	373.4	304.3	245.4	209.8	186.0	174.5	167.1	160.7
65°	312.3	347.3	343.2	295.0	240.8	194.8	168.9	154.3	145.6	135.2	123.8
67.5°	257.1	278.5	265.6	229.4	183.8	151.4	134.5	123.4	112.7	102.8	100.1
70°	222.1	234.4	220.8	187.5	150.7	127.0	113.3	100.1	93.8	91.5	87.4
72.5°	188.6	192.9	178.2	149.6	122.6	105.1	91.8	84.4	81.1	79.1	76.5
75°	141.6	138.4	125.6	103.3	85.2	73.3	69.2	66.4	64.2	62.3	61.0
77.5°	99.4	94.8	83.4	68.8	59.3	53.6	51.2	49.7	48.6	47.7	46.4
80°	74.6	71.4	60.1	49.1	45.0	42.4	40.9	39.1	39.1	38.3	36.8
82.5°	54.7	51.1	41.1	36.0	33.8	32.1	31.1	30.1	29.7	29.9	28.9
85°	28.7	23.2	20.5	19.5	18.2	17.3	17.7	16.9	16.9	16.9	16.4
87.5°	9.7	8.6	9.0	9.4	10.7	12.0	12.9	14.3	16.0	15.5	15.7
90°	4.9	8.5	12.1	15.7	20.8	27.4	33.9	40.5	47.1	46.5	45.8
92.5°	26.6	29.2	31.8	34.4	36.6	38.1	39.7	41.2	42.7	42.9	43.0
95°	72.9	75.9	78.8	81.9	83.6	84.3	84.8	85.4	86.1	86.1	86.1
97.5°	130.4	133.0	135.6	138.2	140.1	141.2	142.4	143.5	144.6	144.6	144.6
100°	173.1	175.5	177.9	180.3	181.9	182.8	183.7	184.6	185.5	185.5	185.5
102.5°	217.8	219.7	221.6	223.6	225.1	226.2	227.3	228.5	229.6	229.9	230.1
105°	289.9	290.8	291.7	292.6	293.4	294.0	294.5	295.2	295.8	296.3	296.9
107.5°	364.0	365.3	366.7	367.9	368.6	368.6	368.6	368.6	368.6	368.8	369.1
110°	411.8	413.6	415.4	417.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	463.4	465.2	467.0	468.8	469.6	469.3	469.1	468.9	468.6	467.9	467.2
115°	539.5	541.3	543.1	544.9	545.5	544.9	544.3	543.7	543.1	542.8	542.5
117.5°	615.9	618.3	620.7	623.1	623.5	621.8	620.1	618.4	616.8	616.1	615.4
120°	666.5	668.9	671.3	673.7	673.7	671.3	668.9	666.5	664.1	664.1	664.1
122.5°	713.2	716.0	718.9	721.8	722.4	720.8	719.1	717.4	715.7	715.0	714.3
125°	785.1	787.7	790.4	793.2	794.1	793.2	792.3	791.4	790.4	789.5	788.6
127.5°	856.0	859.3	862.8	866.2	867.4	866.3	865.2	864.2	863.1	861.9	860.9
130°	900.5	904.5	908.3	912.2	913.8	913.2	912.7	912.0	911.4	910.9	910.3
132.5°	949.3	952.4	955.6	958.8	960.5	960.6	960.6	960.8	960.9	959.6	958.3
135°	1015.6	1018.9	1022.1	1025.4	1027.3	1028.0	1028.6	1029.1	1029.7	1029.5	1029.1
137.5°	1084.6	1087.3	1089.9	1092.6	1094.4	1095.2	1095.9	1096.7	1097.5	1097.3	1097.0
140°	1126.5	1129.3	1131.9	1134.6	1136.7	1138.2	1139.7	1141.2	1142.6	1142.6	1142.6
142.5°	1169.6	1172.2	1174.9	1177.6	1179.5	1180.4	1181.5	1182.5	1183.6	1183.7	1184.0
145°	1230.8	1232.9	1234.9	1237.1	1239.0	1240.8	1242.6	1244.4	1246.2	1246.4	1246.8
147.5°	1286.3	1288.8	1291.4	1293.9	1295.7	1296.9	1298.1	1299.3	1300.5	1301.2	1301.8
150°	1323.2	1325.1	1326.9	1328.6	1330.1	1331.3	1332.5	1333.7	1334.9	1335.8	1336.7
152.5°	1356.6	1358.3	1360.1	1362.0	1363.6	1365.0	1366.5	1367.9	1369.3	1370.5	1371.5
155°	1405.7	1406.6	1407.5	1408.4	1409.3	1410.2	1411.0	1411.9	1412.8	1414.3	1415.9
157.5°	1448.1	1448.8	1449.4	1449.9	1450.5	1451.1	1451.6	1452.2	1452.7	1454.6	1456.7
160°	1474.0	1474.5	1475.2	1475.8	1476.2	1476.5	1476.8	1477.1	1477.4	1479.2	1481.0
162.5°	1497.2	1497.3	1497.4	1497.5	1497.7	1498.0	1498.3	1498.6	1498.9	1500.9	1503.0
165°	1528.2	1527.9	1527.6	1527.3	1527.1	1527.1	1527.1	1527.1	1527.1	1529.2	1531.3
167.5°	1553.9	1553.0	1552.1	1551.2	1550.8	1550.7	1550.7	1550.6	1550.5	1552.6	1554.7
170°	1567.9	1567.0	1566.1	1565.2	1564.6	1564.3	1564.1	1563.7	1563.4	1565.5	1567.6
172.5°	1577.6	1576.7	1575.8	1574.9	1574.3	1574.0	1573.7	1573.4	1573.1	1575.2	1577.3
175°	1589.4	1588.5	1587.6	1586.7	1586.0	1585.4	1584.7	1584.2	1583.6	1585.7	1587.8
177.5°	1594.5	1593.8	1593.0	1592.3	1591.7	1591.2	1590.7	1590.3	1589.7	1591.2	1592.7
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1355.8	1360.6	1362.8	1362.8	1365.4	1364.2	1363.2
5°	1433.8	1442.4	1444.3	1452.5	1458.4	1456.5	1457.5
7.5°	1511.3	1525.2	1538.9	1545.2	1546.2	1549.9	1551.2
10°	1559.0	1570.4	1591.8	1588.6	1604.5	1613.6	1598.6
12.5°	1604.9	1620.2	1635.0	1639.1	1648.2	1651.1	1645.2
15°	1646.4	1654.6	1655.5	1653.2	1655.9	1653.7	1645.0
17.5°	1607.6	1594.3	1567.4	1554.6	1544.5	1529.6	1523.6
20°	1543.5	1504.3	1458.8	1440.6	1419.2	1377.3	1387.4
22.5°	1405.2	1360.5	1315.0	1261.9	1236.4	1196.8	1194.4
25°	1189.8	1112.9	1028.2	969.1	934.5	894.9	877.6
27.5°	925.1	828.2	758.8	723.7	691.8	660.4	659.1
30°	751.0	678.2	624.5	594.5	574.9	561.7	564.5
32.5°	633.0	583.2	547.0	522.0	507.6	497.6	497.4
35°	517.5	483.4	460.2	449.7	439.3	431.9	432.4
37.5°	442.9	422.4	409.5	397.9	391.4	387.8	385.8
40°	404.7	387.8	377.8	371.0	365.5	360.5	359.6
42.5°	374.4	360.5	350.4	345.1	340.0	336.4	335.6
45°	332.3	320.9	311.8	305.9	303.6	300.4	300.4
47.5°	295.6	284.4	277.3	273.6	269.7	267.5	267.4
50°	270.8	262.2	255.8	253.5	250.3	249.0	248.5
52.5°	248.6	242.2	237.6	236.0	234.7	232.9	233.3
55°	218.5	214.8	213.0	211.7	209.4	206.6	208.5
57.5°	193.1	190.0	185.1	180.8	178.7	176.8	177.5
60°	175.2	168.9	162.5	157.5	156.1	152.0	152.0
62.5°	152.7	143.7	135.9	133.1	131.7	129.8	129.5
65°	117.4	113.8	112.0	110.1	109.2	109.2	108.3
67.5°	97.3	95.9	93.9	93.4	92.5	92.2	91.9
70°	86.1	84.2	83.3	82.8	81.9	82.4	81.1
72.5°	75.1	73.7	73.5	72.3	71.7	71.8	70.8
75°	59.2	59.2	58.7	58.2	57.3	56.9	57.3
77.5°	45.5	45.6	44.8	44.7	44.6	44.7	44.2
80°	36.4	36.8	36.4	35.9	35.5	35.9	35.5
82.5°	28.8	28.1	28.0	27.9	27.8	27.6	27.5
85°	16.4	16.9	16.4	16.0	16.0	16.0	16.4
87.5°	15.2	15.2	15.1	15.2	15.2	15.2	15.0
90°	45.3	44.7	44.5	44.9	45.1	45.4	45.7
92.5°	43.1	43.2	43.3	43.3	43.4	43.5	43.5
95°	86.1	86.1	85.7	85.2	84.5	83.9	83.4
97.5°	144.6	144.6	144.6	144.5	144.5	144.5	144.4
100°	185.5	185.5	185.4	185.0	184.8	184.5	184.1
102.5°	230.3	230.6	230.5	230.2	230.0	229.6	229.3
105°	297.6	298.1	298.5	298.5	298.5	298.5	298.5
107.5°	369.3	369.5	369.0	367.7	366.2	364.9	363.5
110°	418.1	418.1	417.6	416.7	415.8	414.9	414.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	466.5	465.7	465.0	464.4	463.8	463.1	462.4
115°	542.2	541.9	541.3	540.4	539.5	538.6	537.7
117.5°	614.7	613.9	613.1	612.2	611.3	610.4	609.5
120°	664.1	664.1	663.6	662.7	661.8	660.9	660.0
122.5°	713.5	712.8	712.1	711.5	710.9	710.2	709.5
125°	787.7	786.8	786.3	786.0	785.7	785.4	785.1
127.5°	859.8	858.7	857.7	856.8	855.8	854.9	853.9
130°	909.6	909.0	908.1	907.0	905.8	904.6	903.4
132.5°	957.0	955.6	954.5	953.6	952.6	951.6	950.7
135°	1028.9	1028.6	1028.0	1027.1	1026.2	1025.3	1024.4
137.5°	1096.8	1096.5	1095.8	1094.7	1093.4	1092.3	1091.0
140°	1142.6	1142.6	1142.1	1140.9	1139.7	1138.4	1137.3
142.5°	1184.3	1184.5	1184.0	1182.9	1181.6	1180.4	1179.2
145°	1247.1	1247.3	1246.9	1245.7	1244.6	1243.3	1242.2
147.5°	1302.4	1303.1	1302.9	1301.7	1300.6	1299.5	1298.3
150°	1337.6	1338.5	1338.5	1337.6	1336.7	1335.8	1334.9
152.5°	1372.7	1373.9	1373.9	1372.7	1371.5	1370.5	1369.3
155°	1417.4	1418.8	1419.2	1418.3	1417.4	1416.5	1415.6
157.5°	1458.7	1460.8	1461.1	1459.6	1458.2	1456.8	1455.4
160°	1482.7	1484.5	1484.9	1483.6	1482.5	1481.3	1480.1
162.5°	1505.0	1507.0	1507.3	1505.9	1504.5	1503.1	1501.6
165°	1533.4	1535.5	1535.8	1534.3	1532.9	1531.3	1529.8
167.5°	1556.8	1558.9	1559.2	1557.6	1556.0	1554.5	1552.9
170°	1569.7	1571.8	1571.9	1570.1	1568.3	1566.6	1564.8
172.5°	1579.4	1581.4	1581.6	1579.8	1578.1	1576.3	1574.5
175°	1589.8	1592.0	1592.1	1590.3	1588.5	1586.7	1584.9
177.5°	1594.1	1595.5	1595.5	1594.1	1592.7	1591.2	1589.7
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0

(END OF REPORT)