

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: P331682

Luminaire Tested: **SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331682  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 530 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

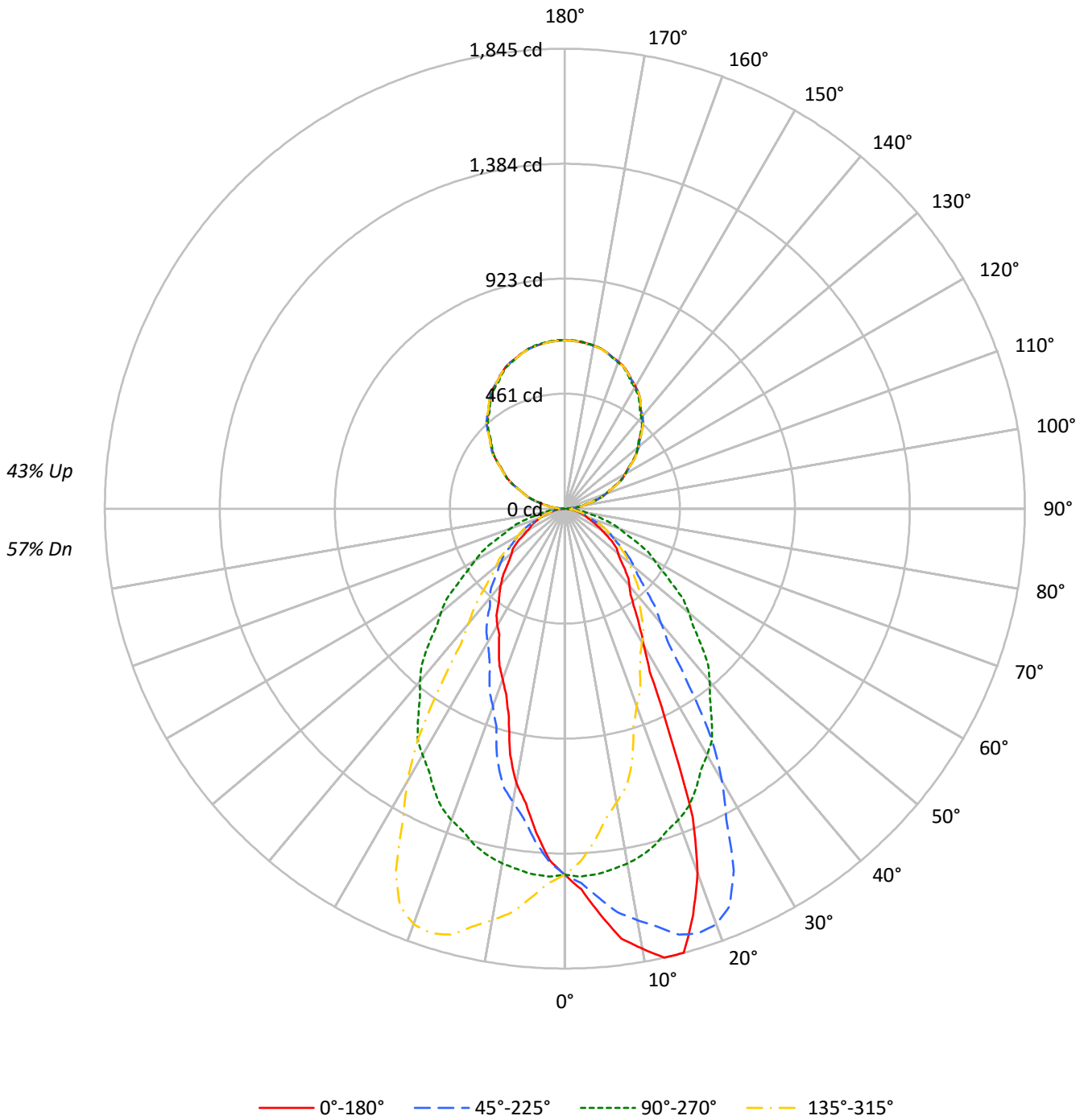
Lumens per Lamp: N/A  
Luminaire Lumens: 4431.1 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 40.3  
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	109	109	109	109	101	101	101	101	87	87	87	75	75	75	63	63	63	57				57
1	100	96	93	89	93	90	87	84	78	76	74	67	65	64	57	56	55	50				50
2	92	85	79	75	86	80	75	70	69	66	62	60	57	55	51	49	48	43				43
3	85	76	69	63	79	71	65	60	62	58	54	54	50	48	46	44	42	38				38
4	78	68	60	55	73	64	57	52	56	51	47	49	45	42	42	39	37	34				34
5	72	61	53	48	67	57	51	45	51	45	41	44	40	37	38	35	33	30				30
6	67	55	47	42	62	52	45	40	46	41	36	41	36	33	35	32	29	27				27
7	62	50	43	37	58	48	41	36	42	37	33	37	33	30	33	29	27	24				24
8	58	46	39	33	54	44	37	32	39	33	29	34	30	27	30	27	24	22				22
9	54	42	35	30	51	40	34	29	36	31	27	32	28	24	28	25	22	20				20
10	51	39	32	27	48	37	31	26	33	28	24	30	25	22	26	23	20	19				19

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

	0°	90°	180°	270°
0°	23720	23720	23720	23720
5°	26491	23869	21162	23869
10°	29391	23700	18344	23700
15°	30837	23353	14454	23353
20°	26734	22838	12507	22838
25°	17533	22133	11166	22133
30°	11801	21280	10107	21280
35°	9558	20203	9116	20203
40°	8500	19032	8435	19032
45°	7693	17657	7531	17657
50°	7001	16297	6975	16297
55°	6581	14787	6494	14787
60°	5506	13401	5438	13401
65°	4642	12168	5265	12168
70°	4291	10867	4966	10867
75°	4011	9457	4585	9457
80°	3701	7782	4082	7782
85°	3409	6150	3594	6150



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.3	3.1
10°-20°	388.0	8.8
20°-30°	500.0	11.3
30°-40°	475.2	10.7
40°-50°	407.1	9.2
50°-60°	310.0	7.0
60°-70°	196.0	4.4
70°-80°	97.9	2.2
80°-90°	28.2	0.6
90°-100°	42.8	1.0
100°-110°	133.0	3.0
110°-120°	227.3	5.1
120°-130°	298.9	6.7
130°-140°	335.5	7.6
140°-150°	329.0	7.4
150°-160°	275.9	6.2
160°-170°	183.0	4.1
170°-180°	64.0	1.4
0°-30°	1027.3	23.2
0°-40°	1502.5	33.9
0°-60°	2219.6	50.1
0°-90°	2541.6	57.4
90°-120°	403.1	9.1
90°-150°	1366.6	30.8
90°-180°	1889.0	42.6
0°-180°	4431.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1469	1469	1469	1469	1469	
5°	1634	1473	1306	1473	1634	161
15°	1845	1397	865	1397	1845	498
25°	984	1242	627	1242	984	467
35°	485	1025	462	1025	485	310
45°	337	773	330	773	337	261
55°	234	525	231	525	234	205
65°	122	318	138	318	122	124
75°	64	152	74	152	64	68
85°	18	33	19	33	18	20
90°	19	1	19	1	19	9
95°	35	30	35	30	35	39
105°	127	123	127	123	127	133
115°	228	228	228	228	228	225
125°	333	332	333	332	333	297
135°	434	429	434	429	434	334
145°	527	521	527	521	527	329
155°	600	596	600	596	600	276
165°	649	648	649	648	649	183
175°	672	675	672	675	672	64
180°	676	676	676	676	676	



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1528.7	1529.9	1531.2	1528.3	1528.3	1525.8	1520.5	1516.5	1505.0	1503.4	1503.4
5°	1634.5	1633.4	1635.5	1628.9	1619.7	1617.6	1607.9	1595.2	1581.9	1567.1	1564.0
7.5°	1739.6	1738.1	1734.0	1732.9	1725.8	1710.4	1694.8	1678.2	1656.1	1634.6	1623.8
10°	1792.7	1809.6	1799.3	1781.5	1785.1	1761.1	1748.3	1726.4	1708.0	1675.8	1668.7
12.5°	1845.0	1851.6	1848.4	1838.2	1833.6	1817.0	1799.8	1780.7	1746.8	1717.9	1692.8
15°	1844.8	1854.5	1857.0	1854.0	1856.5	1855.5	1846.3	1830.5	1800.9	1769.2	1741.7
17.5°	1708.6	1715.3	1732.1	1743.4	1757.7	1787.9	1802.8	1808.6	1804.2	1786.2	1766.8
20°	1555.9	1544.6	1591.6	1615.6	1636.0	1687.0	1730.9	1747.8	1774.8	1774.3	1769.2
22.5°	1339.4	1342.1	1386.6	1415.1	1474.7	1525.7	1575.8	1639.2	1691.5	1726.1	1746.4
25°	984.2	1003.6	1048.0	1086.8	1153.1	1248.1	1334.3	1434.4	1528.8	1603.3	1674.3
27.5°	739.1	740.6	775.8	811.6	851.0	928.8	1037.4	1156.9	1291.5	1402.6	1530.4
30°	633.0	629.9	644.7	666.7	700.3	760.6	842.2	959.7	1093.9	1261.3	1410.4
32.5°	557.8	558.0	569.2	585.4	613.4	654.0	709.9	805.3	932.2	1096.8	1271.5
35°	484.9	484.4	492.6	504.3	516.1	542.1	580.4	630.4	717.7	871.3	1050.0
37.5°	432.7	434.9	438.9	446.2	459.2	473.7	496.7	530.3	592.4	683.3	833.5
40°	403.3	404.3	409.9	416.0	423.7	434.9	453.8	480.8	526.3	598.8	708.5
42.5°	376.3	377.3	381.3	387.0	393.0	404.3	419.9	443.3	480.1	536.7	627.2
45°	336.9	336.9	340.5	343.0	349.7	359.9	372.6	392.0	417.6	459.4	519.6
47.5°	299.9	300.0	302.4	306.8	311.0	318.9	331.5	347.3	365.9	398.3	449.7
50°	278.7	279.2	280.7	284.3	286.9	294.0	303.7	317.5	336.9	361.9	404.8
52.5°	261.6	261.2	263.2	264.7	266.5	271.6	278.8	291.0	308.3	330.1	365.6
55°	233.8	231.7	234.8	237.4	238.9	240.9	245.0	252.7	267.5	285.9	312.4
57.5°	199.1	198.3	200.4	202.8	207.6	213.1	216.5	221.4	229.1	242.3	268.6
60°	170.5	170.5	175.1	176.6	182.2	189.4	196.5	200.6	208.3	216.9	236.3
62.5°	145.2	145.6	147.7	149.3	152.4	161.2	171.2	180.2	187.4	195.7	208.6
65°	121.5	122.5	122.5	123.5	125.6	127.6	131.7	138.8	151.6	163.3	173.0
67.5°	103.1	103.4	103.7	104.7	105.3	107.5	109.1	112.3	115.3	126.4	138.4
70°	90.9	92.4	91.9	92.9	93.4	94.4	96.5	98.0	102.6	105.2	112.3
72.5°	79.4	80.5	80.4	81.1	82.4	82.6	84.2	85.8	88.7	90.9	94.7
75°	64.3	63.8	64.3	65.3	65.8	66.4	66.4	68.4	69.9	72.0	74.5
77.5°	49.6	50.1	50.0	50.1	50.2	51.1	51.0	52.0	53.5	54.5	55.7
80°	39.8	40.3	39.8	40.3	40.8	41.3	40.8	41.3	42.9	43.9	43.9
82.5°	30.8	30.9	31.2	31.3	31.4	31.5	32.3	32.4	33.5	33.3	33.7
85°	18.4	17.9	17.9	17.9	18.4	18.9	18.4	18.4	18.9	18.9	18.9
87.5°	10.4	10.8	10.8	10.7	10.7	10.7	10.8	11.2	10.9	11.3	10.4
90°	19.4	19.3	19.1	19.0	18.9	18.9	19.2	19.5	19.7	20.0	17.2
92.5°	18.5	18.5	18.4	18.4	18.4	18.3	18.3	18.2	18.2	18.1	17.5
95°	35.4	35.6	35.9	36.1	36.4	36.5	36.5	36.5	36.5	36.5	36.2
97.5°	61.2	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	60.9
100°	78.1	78.3	78.4	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.3
102.5°	97.3	97.4	97.5	97.7	97.8	97.8	97.7	97.6	97.5	97.4	96.9
105°	126.6	126.6	126.6	126.6	126.6	126.5	126.2	126.0	125.7	125.5	125.2
107.5°	154.2	154.8	155.4	155.9	156.5	156.8	156.7	156.6	156.5	156.4	156.4
110°	175.6	176.0	176.4	176.8	177.2	177.3	177.3	177.3	177.3	177.3	177.3



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	196.2	196.4	196.7	197.0	197.3	197.6	197.9	198.2	198.5	198.8	198.9
115°	228.1	228.5	228.9	229.2	229.6	229.9	230.0	230.1	230.3	230.4	230.6
117.5°	258.5	258.9	259.3	259.7	260.1	260.4	260.7	261.0	261.3	261.6	262.3
120°	280.0	280.4	280.8	281.1	281.5	281.7	281.7	281.7	281.7	281.7	282.7
122.5°	301.0	301.3	301.5	301.8	302.1	302.4	302.7	303.0	303.3	303.6	304.3
125°	333.0	333.1	333.3	333.4	333.5	333.8	334.2	334.5	334.9	335.3	335.7
127.5°	362.2	362.6	363.0	363.4	363.8	364.3	364.7	365.2	365.6	366.1	366.6
130°	383.2	383.7	384.2	384.7	385.2	385.6	385.9	386.1	386.4	386.6	386.9
132.5°	403.3	403.7	404.1	404.5	404.9	405.4	405.9	406.5	407.1	407.6	407.6
135°	434.5	434.9	435.3	435.7	436.0	436.3	436.4	436.6	436.7	436.8	436.6
137.5°	462.8	463.3	463.8	464.3	464.8	465.1	465.2	465.3	465.4	465.5	465.2
140°	482.4	482.9	483.4	483.9	484.5	484.7	484.7	484.7	484.7	484.7	484.1
142.5°	500.2	500.7	501.2	501.7	502.2	502.4	502.3	502.2	502.1	502.0	501.6
145°	526.9	527.4	527.9	528.4	528.9	529.1	529.0	528.9	528.7	528.6	527.9
147.5°	550.7	551.2	551.7	552.2	552.7	552.8	552.5	552.2	551.9	551.7	551.1
150°	566.3	566.6	567.0	567.4	567.8	567.8	567.4	567.0	566.6	566.3	565.7
152.5°	580.9	581.3	581.8	582.3	582.8	582.8	582.3	581.8	581.3	580.9	580.2
155°	600.5	600.8	601.2	601.6	602.0	601.9	601.2	600.6	600.0	599.3	598.9
157.5°	617.3	618.0	618.6	619.2	619.8	619.7	618.8	617.9	617.1	616.2	616.0
160°	627.8	628.3	628.9	629.4	629.9	629.7	629.0	628.2	627.5	626.7	626.6
162.5°	637.0	637.6	638.2	638.8	639.4	639.3	638.4	637.5	636.7	635.8	635.7
165°	648.9	649.6	650.2	650.8	651.5	651.3	650.5	649.6	648.7	647.8	647.8
167.5°	658.7	659.4	660.1	660.7	661.4	661.3	660.4	659.5	658.6	657.7	657.7
170°	663.8	664.5	665.3	666.0	666.8	666.7	665.9	665.0	664.1	663.2	663.3
172.5°	667.9	668.6	669.4	670.2	670.9	670.8	670.0	669.1	668.2	667.3	667.4
175°	672.3	673.1	673.8	674.6	675.4	675.3	674.4	673.5	672.6	671.7	672.0
177.5°	674.4	675.0	675.6	676.2	676.8	676.8	676.2	675.6	675.0	674.4	674.6
180°	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1504.2	1500.9	1498.1	1490.7	1487.1	1478.9	1477.7	1477.3	1466.6	1456.4	1453.6
5°	1555.9	1547.7	1535.4	1521.1	1506.3	1491.0	1480.8	1472.7	1452.2	1432.8	1421.6
7.5°	1607.9	1590.4	1569.2	1542.2	1519.6	1494.3	1475.5	1458.7	1429.7	1401.9	1383.2
10°	1646.7	1618.1	1590.1	1552.8	1523.7	1495.1	1468.6	1445.6	1412.9	1376.2	1350.1
12.5°	1670.8	1639.4	1600.7	1564.2	1526.6	1490.2	1454.7	1425.2	1386.8	1348.8	1317.9
15°	1703.4	1669.7	1622.7	1570.7	1522.2	1474.7	1433.9	1397.1	1347.1	1301.7	1263.9
17.5°	1730.0	1683.7	1633.2	1573.0	1516.9	1456.5	1403.9	1357.0	1301.3	1246.5	1202.0
20°	1738.6	1692.7	1634.5	1574.2	1507.9	1436.9	1380.3	1329.2	1269.5	1209.8	1158.7
22.5°	1733.3	1697.6	1632.8	1560.8	1492.8	1418.5	1354.5	1295.3	1229.1	1168.1	1108.9
25°	1697.3	1685.0	1623.8	1545.1	1467.6	1381.3	1307.3	1242.4	1166.9	1101.6	1037.2
27.5°	1613.2	1639.7	1601.7	1518.0	1431.7	1339.2	1256.0	1182.2	1103.8	1030.3	966.2
30°	1532.4	1593.1	1576.8	1499.2	1402.7	1311.9	1218.5	1141.4	1057.7	982.1	918.8
32.5°	1421.7	1522.1	1538.0	1473.1	1373.3	1273.5	1175.6	1098.9	1011.5	931.9	870.2
35°	1245.5	1395.6	1464.5	1423.1	1323.1	1215.4	1114.3	1025.0	937.2	858.6	797.3
37.5°	1035.3	1239.7	1354.5	1357.5	1265.6	1153.6	1043.6	954.9	865.0	787.8	721.6
40°	898.9	1120.4	1270.0	1303.2	1225.6	1104.6	993.3	903.0	815.2	739.6	663.6
42.5°	776.4	997.1	1181.0	1238.7	1177.0	1056.8	945.2	850.7	765.4	693.9	616.2
45°	627.9	820.8	1023.5	1126.6	1092.4	981.1	863.2	773.3	693.2	631.4	556.9
47.5°	529.6	665.6	861.7	1001.2	1000.6	899.0	783.0	697.0	622.7	564.8	504.4
50°	473.7	592.1	758.0	916.3	929.5	844.3	734.0	648.8	579.4	518.6	470.1
52.5°	423.5	521.1	670.2	821.9	859.7	785.9	678.9	600.2	532.8	477.0	435.4
55°	357.8	433.4	546.7	688.6	745.8	693.7	598.8	525.3	470.6	423.7	387.9
57.5°	302.7	359.4	450.3	564.6	631.1	598.4	520.0	460.3	413.6	371.1	342.9
60°	268.0	314.4	391.5	487.0	560.5	537.5	470.6	415.0	375.2	338.4	311.9
62.5°	235.3	275.2	341.3	418.8	486.2	476.7	422.0	375.4	340.5	307.0	284.5
65°	189.4	218.5	270.0	330.8	384.9	389.5	350.2	318.5	287.4	260.8	240.9
67.5°	150.8	169.8	206.1	257.3	297.8	312.3	288.3	264.1	239.4	218.9	201.6
70°	127.1	142.4	169.0	210.3	247.6	262.9	249.1	230.2	208.8	191.9	177.1
72.5°	103.0	117.9	137.5	167.8	199.8	216.3	211.5	198.0	180.6	166.6	152.6
75°	77.6	82.2	95.5	115.9	140.9	155.2	158.8	151.6	137.8	127.1	118.9
77.5°	57.4	60.1	66.5	77.2	93.5	106.3	111.5	110.7	101.2	94.9	87.3
80°	45.9	47.5	50.5	55.1	67.4	80.1	83.7	83.7	77.1	74.5	66.9
82.5°	34.9	36.0	37.9	40.4	46.1	57.3	61.3	62.1	57.9	54.5	48.5
85°	19.9	19.4	20.4	21.9	23.0	26.0	32.2	33.2	32.2	28.1	26.5
87.5°	9.8	9.7	9.1	8.3	8.4	8.5	10.2	12.0	10.6	9.7	9.2
90°	14.4	11.6	8.8	6.7	5.1	3.6	2.1	0.6	2.1	3.6	5.1
92.5°	16.8	16.2	15.5	14.6	13.5	12.4	11.3	10.2	11.3	12.4	13.5
95°	36.0	35.7	35.5	34.7	33.5	32.2	30.9	29.7	30.9	32.2	33.5
97.5°	60.4	59.9	59.4	58.6	57.5	56.4	55.3	54.2	55.3	56.4	57.5
100°	77.9	77.6	77.2	76.5	75.5	74.4	73.4	72.4	73.4	74.4	75.5
102.5°	96.4	96.0	95.5	94.8	94.0	93.2	92.4	91.6	92.4	93.2	94.0
105°	124.9	124.7	124.4	124.1	123.7	123.4	123.0	122.6	123.0	123.4	123.7
107.5°	156.4	156.4	156.4	156.1	155.5	155.0	154.4	153.9	154.4	155.0	155.5
110°	177.3	177.3	177.3	177.0	176.2	175.4	174.7	173.9	174.7	175.4	176.2





TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	199.0	199.1	199.2	198.9	198.1	197.3	196.6	195.8	196.6	197.3	198.1
115°	230.9	231.1	231.4	231.1	230.4	229.6	228.9	228.1	228.9	229.6	230.4
117.5°	263.0	263.8	264.5	264.3	263.3	262.3	261.3	260.3	261.3	262.3	263.3
120°	283.7	284.7	285.8	285.8	284.7	283.7	282.7	281.7	282.7	283.7	284.7
122.5°	305.0	305.7	306.4	306.2	305.0	303.8	302.5	301.3	302.5	303.8	305.0
125°	336.1	336.4	336.8	336.4	335.3	334.2	333.0	331.9	333.0	334.2	335.3
127.5°	367.0	367.5	367.9	367.4	366.0	364.5	363.1	361.6	363.1	364.5	366.0
130°	387.1	387.4	387.6	386.9	385.3	383.6	382.0	380.4	382.0	383.6	385.3
132.5°	407.5	407.5	407.4	406.7	405.4	404.0	402.7	401.3	402.7	404.0	405.4
135°	436.3	436.0	435.8	435.0	433.6	432.2	430.8	429.4	430.8	432.2	433.6
137.5°	464.9	464.6	464.2	463.5	462.4	461.2	460.1	458.9	460.1	461.2	462.4
140°	483.4	482.8	482.2	481.3	480.1	479.0	477.9	476.7	477.9	479.0	480.1
142.5°	501.2	500.8	500.3	499.5	498.4	497.3	496.1	495.0	496.1	497.3	498.4
145°	527.1	526.3	525.6	524.8	523.9	523.0	522.1	521.2	522.1	523.0	523.9
147.5°	550.6	550.1	549.6	548.8	547.8	546.7	545.6	544.6	545.6	546.7	547.8
150°	565.2	564.7	564.2	563.6	562.8	562.1	561.3	560.6	561.3	562.1	562.8
152.5°	579.6	579.0	578.4	577.7	577.0	576.2	575.5	574.7	575.5	576.2	577.0
155°	598.6	598.2	597.8	597.4	597.0	596.7	596.3	595.9	596.3	596.7	597.0
157.5°	615.8	615.5	615.3	615.1	614.8	614.5	614.3	614.0	614.3	614.5	614.8
160°	626.4	626.3	626.2	626.0	625.7	625.5	625.2	625.0	625.2	625.5	625.7
162.5°	635.6	635.4	635.3	635.2	635.2	635.1	635.1	635.0	635.1	635.1	635.2
165°	647.8	647.8	647.8	647.9	648.0	648.1	648.2	648.4	648.2	648.1	648.0
167.5°	657.8	657.8	657.8	658.0	658.4	658.8	659.2	659.5	659.2	658.8	658.4
170°	663.4	663.6	663.7	664.0	664.3	664.7	665.1	665.5	665.1	664.7	664.3
172.5°	667.6	667.7	667.8	668.1	668.4	668.8	669.2	669.6	669.2	668.8	668.4
175°	672.3	672.5	672.8	673.1	673.5	673.8	674.2	674.6	674.2	673.8	673.5
177.5°	674.8	675.0	675.2	675.4	675.7	676.0	676.3	676.7	676.3	676.0	675.7
180°	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1448.3	1445.4	1440.1	1431.9	1427.0	1418.4	1412.7	1416.0	1416.8	1416.0	1415.2
5°	1409.4	1398.6	1383.8	1369.5	1356.3	1342.0	1333.8	1330.2	1323.1	1319.0	1317.0
7.5°	1362.3	1343.8	1322.9	1298.0	1276.8	1254.7	1243.4	1237.7	1223.1	1215.2	1208.2
10°	1327.2	1298.1	1277.2	1244.5	1224.6	1195.5	1175.6	1176.1	1156.2	1144.9	1136.8
12.5°	1288.4	1256.4	1221.6	1192.2	1164.5	1141.2	1117.2	1107.5	1086.3	1075.5	1053.5
15°	1224.1	1186.8	1150.1	1110.2	1082.2	1045.9	1011.2	968.8	934.6	905.0	896.9
17.5°	1153.8	1107.7	1070.8	1024.1	976.0	915.0	874.8	850.2	829.6	814.0	802.3
20°	1105.6	1058.7	1019.4	948.9	884.1	842.8	813.2	794.3	772.8	756.0	746.8
22.5°	1055.0	1006.0	952.4	873.8	823.3	790.1	763.7	742.0	727.5	714.3	706.0
25°	983.1	929.5	841.2	787.1	746.3	711.6	693.2	679.9	664.6	646.7	638.6
27.5°	907.2	821.9	758.5	718.3	679.3	656.7	640.2	620.4	606.7	598.7	590.2
30°	850.4	765.2	715.7	671.8	644.2	619.2	599.8	588.6	575.3	561.5	555.9
32.5°	787.1	719.0	671.6	635.0	607.0	585.7	570.4	552.2	542.6	534.1	522.4
35°	708.5	657.0	613.6	584.0	557.4	540.1	522.2	511.5	494.1	487.0	482.4
37.5°	641.9	597.2	564.9	533.6	512.6	493.4	482.5	465.4	457.9	448.0	438.3
40°	604.4	560.5	529.3	503.8	480.3	466.0	452.3	438.5	427.2	422.7	410.9
42.5°	566.0	530.3	499.1	471.1	455.4	440.3	422.9	412.8	401.1	393.7	386.4
45°	513.0	481.4	454.8	431.8	414.5	398.7	387.4	370.6	364.0	349.1	343.0
47.5°	466.5	437.0	411.7	389.9	372.9	362.6	346.2	333.0	322.4	313.3	305.5
50°	433.4	408.9	384.4	365.0	349.7	334.9	318.0	311.4	295.0	290.4	285.9
52.5°	403.2	379.9	357.4	338.4	323.1	308.7	293.9	285.2	274.2	269.6	266.3
55°	360.9	338.4	317.0	300.1	284.8	270.0	260.8	250.1	245.0	241.4	237.4
57.5°	318.4	298.2	281.8	264.7	249.3	237.6	226.9	220.5	215.2	210.5	205.6
60°	291.5	272.1	257.3	241.4	225.6	215.9	207.8	200.1	194.0	186.8	184.8
62.5°	262.9	245.9	232.4	216.9	203.2	194.3	186.5	179.3	171.9	161.5	158.6
65°	223.6	210.3	196.0	183.3	171.0	162.3	151.1	142.9	139.9	138.8	138.3
67.5°	188.1	175.5	163.2	150.2	139.0	131.0	125.3	124.0	121.9	121.3	119.9
70°	164.4	152.6	140.4	128.1	117.4	115.9	113.8	111.8	109.2	108.2	107.2
72.5°	143.1	131.0	118.7	108.9	104.3	102.4	100.4	98.3	96.6	95.6	94.9
75°	109.7	98.5	90.4	86.8	84.2	82.7	79.6	78.1	77.1	75.5	75.0
77.5°	79.0	72.7	68.9	66.7	64.0	62.4	60.6	59.1	58.0	57.7	56.9
80°	60.2	57.2	54.6	51.6	50.5	48.5	48.0	46.5	47.0	45.4	45.4
82.5°	46.8	42.9	40.7	39.3	38.3	36.7	36.1	35.4	35.5	34.4	34.4
85°	24.0	23.0	21.9	20.9	20.9	19.4	19.9	19.4	19.4	18.4	17.9
87.5°	9.1	9.1	8.9	9.4	10.0	10.1	10.1	9.6	9.6	9.5	9.1
90°	6.7	8.8	11.6	14.4	17.2	20.0	19.7	19.5	19.2	18.9	18.9
92.5°	14.6	15.5	16.2	16.8	17.5	18.1	18.2	18.2	18.3	18.3	18.4
95°	34.7	35.5	35.7	36.0	36.2	36.5	36.5	36.5	36.5	36.5	36.4
97.5°	58.6	59.4	59.9	60.4	60.9	61.4	61.4	61.4	61.4	61.4	61.3
100°	76.5	77.2	77.6	77.9	78.3	78.7	78.7	78.7	78.7	78.7	78.6
102.5°	94.8	95.5	96.0	96.4	96.9	97.4	97.5	97.6	97.7	97.8	97.8
105°	124.1	124.4	124.7	124.9	125.2	125.5	125.7	126.0	126.2	126.5	126.6
107.5°	156.1	156.4	156.4	156.4	156.4	156.4	156.5	156.6	156.7	156.8	156.5
110°	177.0	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.2



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	198.9	199.2	199.1	199.0	198.9	198.8	198.5	198.2	197.9	197.6	197.3
115°	231.1	231.4	231.1	230.9	230.6	230.4	230.3	230.1	230.0	229.9	229.6
117.5°	264.3	264.5	263.8	263.0	262.3	261.6	261.3	261.0	260.7	260.4	260.1
120°	285.8	285.8	284.7	283.7	282.7	281.7	281.7	281.7	281.7	281.7	281.5
122.5°	306.2	306.4	305.7	305.0	304.3	303.6	303.3	303.0	302.7	302.4	302.1
125°	336.4	336.8	336.4	336.1	335.7	335.3	334.9	334.5	334.2	333.8	333.5
127.5°	367.4	367.9	367.5	367.0	366.6	366.1	365.6	365.2	364.7	364.3	363.8
130°	386.9	387.6	387.4	387.1	386.9	386.6	386.4	386.1	385.9	385.6	385.2
132.5°	406.7	407.4	407.5	407.5	407.6	407.6	407.1	406.5	405.9	405.4	404.9
135°	435.0	435.8	436.0	436.3	436.6	436.8	436.7	436.6	436.4	436.3	436.0
137.5°	463.5	464.2	464.6	464.9	465.2	465.5	465.4	465.3	465.2	465.1	464.8
140°	481.3	482.2	482.8	483.4	484.1	484.7	484.7	484.7	484.7	484.7	484.5
142.5°	499.5	500.3	500.8	501.2	501.6	502.0	502.1	502.2	502.3	502.4	502.2
145°	524.8	525.6	526.3	527.1	527.9	528.6	528.7	528.9	529.0	529.1	528.9
147.5°	548.8	549.6	550.1	550.6	551.1	551.7	551.9	552.2	552.5	552.8	552.7
150°	563.6	564.2	564.7	565.2	565.7	566.3	566.6	567.0	567.4	567.8	567.8
152.5°	577.7	578.4	579.0	579.6	580.2	580.9	581.3	581.8	582.3	582.8	582.8
155°	597.4	597.8	598.2	598.6	598.9	599.3	600.0	600.6	601.2	601.9	602.0
157.5°	615.1	615.3	615.5	615.8	616.0	616.2	617.1	617.9	618.8	619.7	619.8
160°	626.0	626.2	626.3	626.4	626.6	626.7	627.5	628.2	629.0	629.7	629.9
162.5°	635.2	635.3	635.4	635.6	635.7	635.8	636.7	637.5	638.4	639.3	639.4
165°	647.9	647.8	647.8	647.8	647.8	647.8	648.7	649.6	650.5	651.3	651.5
167.5°	658.0	657.8	657.8	657.8	657.7	657.7	658.6	659.5	660.4	661.3	661.4
170°	664.0	663.7	663.6	663.4	663.3	663.2	664.1	665.0	665.9	666.7	666.8
172.5°	668.1	667.8	667.7	667.6	667.4	667.3	668.2	669.1	670.0	670.8	670.9
175°	673.1	672.8	672.5	672.3	672.0	671.7	672.6	673.5	674.4	675.3	675.4
177.5°	675.4	675.2	675.0	674.8	674.6	674.4	675.0	675.6	676.2	676.8	676.8
180°	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1410.7	1411.5	1410.3	1411.1	1410.3	1411.5	1410.7	1415.2	1416.0	1416.8	1416.0
5°	1314.4	1308.3	1307.3	1305.7	1307.3	1308.3	1314.4	1317.0	1319.0	1323.1	1330.2
7.5°	1199.5	1198.5	1196.0	1192.4	1196.0	1198.5	1199.5	1208.2	1215.2	1223.1	1237.7
10°	1125.5	1123.0	1122.5	1118.9	1122.5	1123.0	1125.5	1136.8	1144.9	1156.2	1176.1
12.5°	1039.0	1022.5	1020.8	1011.9	1020.8	1022.5	1039.0	1053.5	1075.5	1086.3	1107.5
15°	884.6	881.6	871.3	864.7	871.3	881.6	884.6	896.9	905.0	934.6	968.8
17.5°	796.4	786.4	783.2	781.8	783.2	786.4	796.4	802.3	814.0	829.6	850.2
20°	739.6	730.5	728.9	727.9	728.9	730.5	739.6	746.8	756.0	772.8	794.3
22.5°	700.4	690.8	686.9	683.8	686.9	690.8	700.4	706.0	714.3	727.5	742.0
25°	633.5	629.9	627.9	626.8	627.9	629.9	633.5	638.6	646.7	664.6	679.9
27.5°	581.1	573.2	571.7	569.1	571.7	573.2	581.1	590.2	598.7	606.7	620.4
30°	551.3	548.7	545.2	542.1	545.2	548.7	551.3	555.9	561.5	575.3	588.6
32.5°	516.2	514.0	510.9	509.4	510.9	514.0	516.2	522.4	534.1	542.6	552.2
35°	477.3	470.1	467.1	462.5	467.1	470.1	477.3	482.4	487.0	494.1	511.5
37.5°	436.1	432.4	428.1	429.6	428.1	432.4	436.1	438.3	448.0	457.9	465.4
40°	404.3	401.7	400.7	400.2	400.7	401.7	404.3	410.9	422.7	427.2	438.5
42.5°	379.0	371.9	369.3	369.2	369.3	371.9	379.0	386.4	393.7	401.1	412.8
45°	340.5	333.8	329.2	329.8	329.2	333.8	340.5	343.0	349.1	364.0	370.6
47.5°	301.1	300.9	298.0	298.9	298.0	300.9	301.1	305.5	313.3	322.4	333.0
50°	282.3	279.2	277.2	277.7	277.2	279.2	282.3	285.9	290.4	295.0	311.4
52.5°	264.3	261.7	260.0	262.2	260.0	261.7	264.3	266.3	269.6	274.2	285.2
55°	234.8	231.7	231.2	230.7	231.2	231.7	234.8	237.4	241.4	245.0	250.1
57.5°	201.8	199.8	196.7	195.4	196.7	199.8	201.8	205.6	210.5	215.2	220.5
60°	178.1	174.1	169.0	168.4	169.0	174.1	178.1	184.8	186.8	194.0	200.1
62.5°	156.5	155.7	154.7	154.6	154.7	155.7	156.5	158.6	161.5	171.9	179.3
65°	137.3	136.8	137.3	137.8	137.3	136.8	137.3	138.3	138.8	139.9	142.9
67.5°	119.7	118.7	117.8	118.2	117.8	118.7	119.7	119.9	121.3	121.9	124.0
70°	106.2	105.7	105.2	105.2	105.2	105.7	106.2	107.2	108.2	109.2	111.8
72.5°	93.1	93.0	92.5	92.1	92.5	93.0	93.1	94.9	95.6	96.6	98.3
75°	74.5	73.5	73.5	73.5	73.5	73.5	74.5	75.0	75.5	77.1	78.1
77.5°	56.8	56.3	55.7	55.3	55.7	56.3	56.8	56.9	57.7	58.0	59.1
80°	44.9	44.4	43.9	43.9	43.9	44.4	44.9	45.4	45.4	47.0	46.5
82.5°	34.3	33.8	33.7	33.3	33.7	33.8	34.3	34.4	34.4	35.5	35.4
85°	18.4	18.9	18.4	19.4	18.4	18.9	18.4	17.9	18.4	19.4	19.4
87.5°	9.1	8.7	9.2	8.8	9.2	8.7	9.1	9.1	9.5	9.6	9.6
90°	19.0	19.1	19.3	19.4	19.3	19.1	19.0	18.9	18.9	19.2	19.5
92.5°	18.4	18.4	18.5	18.5	18.5	18.4	18.4	18.4	18.3	18.3	18.2
95°	36.1	35.9	35.6	35.4	35.6	35.9	36.1	36.4	36.5	36.5	36.5
97.5°	61.3	61.3	61.3	61.2	61.3	61.3	61.3	61.3	61.4	61.4	61.4
100°	78.5	78.4	78.3	78.1	78.3	78.4	78.5	78.6	78.7	78.7	78.7
102.5°	97.7	97.5	97.4	97.3	97.4	97.5	97.7	97.8	97.8	97.7	97.6
105°	126.6	126.6	126.6	126.6	126.6	126.6	126.6	126.6	126.5	126.2	126.0
107.5°	155.9	155.4	154.8	154.2	154.8	155.4	155.9	156.5	156.8	156.7	156.6
110°	176.8	176.4	176.0	175.6	176.0	176.4	176.8	177.2	177.3	177.3	177.3



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	197.0	196.7	196.4	196.2	196.4	196.7	197.0	197.3	197.6	197.9	198.2
115°	229.2	228.9	228.5	228.1	228.5	228.9	229.2	229.6	229.9	230.0	230.1
117.5°	259.7	259.3	258.9	258.5	258.9	259.3	259.7	260.1	260.4	260.7	261.0
120°	281.1	280.8	280.4	280.0	280.4	280.8	281.1	281.5	281.7	281.7	281.7
122.5°	301.8	301.5	301.3	301.0	301.3	301.5	301.8	302.1	302.4	302.7	303.0
125°	333.4	333.3	333.1	333.0	333.1	333.3	333.4	333.5	333.8	334.2	334.5
127.5°	363.4	363.0	362.6	362.2	362.6	363.0	363.4	363.8	364.3	364.7	365.2
130°	384.7	384.2	383.7	383.2	383.7	384.2	384.7	385.2	385.6	385.9	386.1
132.5°	404.5	404.1	403.7	403.3	403.7	404.1	404.5	404.9	405.4	405.9	406.5
135°	435.7	435.3	434.9	434.5	434.9	435.3	435.7	436.0	436.3	436.4	436.6
137.5°	464.3	463.8	463.3	462.8	463.3	463.8	464.3	464.8	465.1	465.2	465.3
140°	483.9	483.4	482.9	482.4	482.9	483.4	483.9	484.5	484.7	484.7	484.7
142.5°	501.7	501.2	500.7	500.2	500.7	501.2	501.7	502.2	502.4	502.3	502.2
145°	528.4	527.9	527.4	526.9	527.4	527.9	528.4	528.9	529.1	529.0	528.9
147.5°	552.2	551.7	551.2	550.7	551.2	551.7	552.2	552.7	552.8	552.5	552.2
150°	567.4	567.0	566.6	566.3	566.6	567.0	567.4	567.8	567.8	567.4	567.0
152.5°	582.3	581.8	581.3	580.9	581.3	581.8	582.3	582.8	582.8	582.3	581.8
155°	601.6	601.2	600.8	600.5	600.8	601.2	601.6	602.0	601.9	601.2	600.6
157.5°	619.2	618.6	618.0	617.3	618.0	618.6	619.2	619.8	619.7	618.8	617.9
160°	629.4	628.9	628.3	627.8	628.3	628.9	629.4	629.9	629.7	629.0	628.2
162.5°	638.8	638.2	637.6	637.0	637.6	638.2	638.8	639.4	639.3	638.4	637.5
165°	650.8	650.2	649.6	648.9	649.6	650.2	650.8	651.5	651.3	650.5	649.6
167.5°	660.7	660.1	659.4	658.7	659.4	660.1	660.7	661.4	661.3	660.4	659.5
170°	666.0	665.3	664.5	663.8	664.5	665.3	666.0	666.8	666.7	665.9	665.0
172.5°	670.2	669.4	668.6	667.9	668.6	669.4	670.2	670.9	670.8	670.0	669.1
175°	674.6	673.8	673.1	672.3	673.1	673.8	674.6	675.4	675.3	674.4	673.5
177.5°	676.2	675.6	675.0	674.4	675.0	675.6	676.2	676.8	676.8	676.2	675.6
180°	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1412.7	1418.4	1427.0	1431.9	1440.1	1445.4	1448.3	1453.6	1456.4	1466.6	1477.3
5°	1333.8	1342.0	1356.3	1369.5	1383.8	1398.6	1409.4	1421.6	1432.8	1452.2	1472.7
7.5°	1243.4	1254.7	1276.8	1298.0	1322.9	1343.8	1362.3	1383.2	1401.9	1429.7	1458.7
10°	1175.6	1195.5	1224.6	1244.5	1277.2	1298.1	1327.2	1350.1	1376.2	1412.9	1445.6
12.5°	1117.2	1141.2	1164.5	1192.2	1221.6	1256.4	1288.4	1317.9	1348.8	1386.8	1425.2
15°	1011.2	1045.9	1082.2	1110.2	1150.1	1186.8	1224.1	1263.9	1301.7	1347.1	1397.1
17.5°	874.8	915.0	976.0	1024.1	1070.8	1107.7	1153.8	1202.0	1246.5	1301.3	1357.0
20°	813.2	842.8	884.1	948.9	1019.4	1058.7	1105.6	1158.7	1209.8	1269.5	1329.2
22.5°	763.7	790.1	823.3	873.8	952.4	1006.0	1055.0	1108.9	1168.1	1229.1	1295.3
25°	693.2	711.6	746.3	787.1	841.2	929.5	983.1	1037.2	1101.6	1166.9	1242.4
27.5°	640.2	656.7	679.3	718.3	758.5	821.9	907.2	966.2	1030.3	1103.8	1182.2
30°	599.8	619.2	644.2	671.8	715.7	765.2	850.4	918.8	982.1	1057.7	1141.4
32.5°	570.4	585.7	607.0	635.0	671.6	719.0	787.1	870.2	931.9	1011.5	1098.9
35°	522.2	540.1	557.4	584.0	613.6	657.0	708.5	797.3	858.6	937.2	1025.0
37.5°	482.5	493.4	512.6	533.6	564.9	597.2	641.9	721.6	787.8	865.0	954.9
40°	452.3	466.0	480.3	503.8	529.3	560.5	604.4	663.6	739.6	815.2	903.0
42.5°	422.9	440.3	455.4	471.1	499.1	530.3	566.0	616.2	693.9	765.4	850.7
45°	387.4	398.7	414.5	431.8	454.8	481.4	513.0	556.9	631.4	693.2	773.3
47.5°	346.2	362.6	372.9	389.9	411.7	437.0	466.5	504.4	564.8	622.7	697.0
50°	318.0	334.9	349.7	365.0	384.4	408.9	433.4	470.1	518.6	579.4	648.8
52.5°	293.9	308.7	323.1	338.4	357.4	379.9	403.2	435.4	477.0	532.8	600.2
55°	260.8	270.0	284.8	300.1	317.0	338.4	360.9	387.9	423.7	470.6	525.3
57.5°	226.9	237.6	249.3	264.7	281.8	298.2	318.4	342.9	371.1	413.6	460.3
60°	207.8	215.9	225.6	241.4	257.3	272.1	291.5	311.9	338.4	375.2	415.0
62.5°	186.5	194.3	203.2	216.9	232.4	245.9	262.9	284.5	307.0	340.5	375.4
65°	151.1	162.3	171.0	183.3	196.0	210.3	223.6	240.9	260.8	287.4	318.5
67.5°	125.3	131.0	139.0	150.2	163.2	175.5	188.1	201.6	218.9	239.4	264.1
70°	113.8	115.9	117.4	128.1	140.4	152.6	164.4	177.1	191.9	208.8	230.2
72.5°	100.4	102.4	104.3	108.9	118.7	131.0	143.1	152.6	166.6	180.6	198.0
75°	79.6	82.7	84.2	86.8	90.4	98.5	109.7	118.9	127.1	137.8	151.6
77.5°	60.6	62.4	64.0	66.7	68.9	72.7	79.0	87.3	94.9	101.2	110.7
80°	48.0	48.5	50.5	51.6	54.6	57.2	60.2	66.9	74.5	77.1	83.7
82.5°	36.1	36.7	38.3	39.3	40.7	42.9	46.8	48.5	54.5	57.9	62.1
85°	19.9	19.4	20.9	20.9	21.9	23.0	24.0	26.5	28.1	32.2	33.2
87.5°	10.1	10.1	10.0	9.4	8.9	9.1	9.1	9.2	9.7	10.6	12.0
90°	19.7	20.0	17.2	14.4	11.6	8.8	6.7	5.1	3.6	2.1	0.6
92.5°	18.2	18.1	17.5	16.8	16.2	15.5	14.6	13.5	12.4	11.3	10.2
95°	36.5	36.5	36.2	36.0	35.7	35.5	34.7	33.5	32.2	30.9	29.7
97.5°	61.4	61.4	60.9	60.4	59.9	59.4	58.6	57.5	56.4	55.3	54.2
100°	78.7	78.7	78.3	77.9	77.6	77.2	76.5	75.5	74.4	73.4	72.4
102.5°	97.5	97.4	96.9	96.4	96.0	95.5	94.8	94.0	93.2	92.4	91.6
105°	125.7	125.5	125.2	124.9	124.7	124.4	124.1	123.7	123.4	123.0	122.6
107.5°	156.5	156.4	156.4	156.4	156.4	156.4	156.1	155.5	155.0	154.4	153.9
110°	177.3	177.3	177.3	177.3	177.3	177.3	177.0	176.2	175.4	174.7	173.9



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	198.5	198.8	198.9	199.0	199.1	199.2	198.9	198.1	197.3	196.6	195.8
115°	230.3	230.4	230.6	230.9	231.1	231.4	231.1	230.4	229.6	228.9	228.1
117.5°	261.3	261.6	262.3	263.0	263.8	264.5	264.3	263.3	262.3	261.3	260.3
120°	281.7	281.7	282.7	283.7	284.7	285.8	285.8	284.7	283.7	282.7	281.7
122.5°	303.3	303.6	304.3	305.0	305.7	306.4	306.2	305.0	303.8	302.5	301.3
125°	334.9	335.3	335.7	336.1	336.4	336.8	336.4	335.3	334.2	333.0	331.9
127.5°	365.6	366.1	366.6	367.0	367.5	367.9	367.4	366.0	364.5	363.1	361.6
130°	386.4	386.6	386.9	387.1	387.4	387.6	386.9	385.3	383.6	382.0	380.4
132.5°	407.1	407.6	407.6	407.5	407.5	407.4	406.7	405.4	404.0	402.7	401.3
135°	436.7	436.8	436.6	436.3	436.0	435.8	435.0	433.6	432.2	430.8	429.4
137.5°	465.4	465.5	465.2	464.9	464.6	464.2	463.5	462.4	461.2	460.1	458.9
140°	484.7	484.7	484.1	483.4	482.8	482.2	481.3	480.1	479.0	477.9	476.7
142.5°	502.1	502.0	501.6	501.2	500.8	500.3	499.5	498.4	497.3	496.1	495.0
145°	528.7	528.6	527.9	527.1	526.3	525.6	524.8	523.9	523.0	522.1	521.2
147.5°	551.9	551.7	551.1	550.6	550.1	549.6	548.8	547.8	546.7	545.6	544.6
150°	566.6	566.3	565.7	565.2	564.7	564.2	563.6	562.8	562.1	561.3	560.6
152.5°	581.3	580.9	580.2	579.6	579.0	578.4	577.7	577.0	576.2	575.5	574.7
155°	600.0	599.3	598.9	598.6	598.2	597.8	597.4	597.0	596.7	596.3	595.9
157.5°	617.1	616.2	616.0	615.8	615.5	615.3	615.1	614.8	614.5	614.3	614.0
160°	627.5	626.7	626.6	626.4	626.3	626.2	626.0	625.7	625.5	625.2	625.0
162.5°	636.7	635.8	635.7	635.6	635.4	635.3	635.2	635.2	635.1	635.1	635.0
165°	648.7	647.8	647.8	647.8	647.8	647.8	647.9	648.0	648.1	648.2	648.4
167.5°	658.6	657.7	657.7	657.8	657.8	657.8	658.0	658.4	658.8	659.2	659.5
170°	664.1	663.2	663.3	663.4	663.6	663.7	664.0	664.3	664.7	665.1	665.5
172.5°	668.2	667.3	667.4	667.6	667.7	667.8	668.1	668.4	668.8	669.2	669.6
175°	672.6	671.7	672.0	672.3	672.5	672.8	673.1	673.5	673.8	674.2	674.6
177.5°	675.0	674.4	674.6	674.8	675.0	675.2	675.4	675.7	676.0	676.3	676.7
180°	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1477.7	1478.9	1487.1	1490.7	1498.1	1500.9	1504.2	1503.4	1503.4	1505.0	1516.5
5°	1480.8	1491.0	1506.3	1521.1	1535.4	1547.7	1555.9	1564.0	1567.1	1581.9	1595.2
7.5°	1475.5	1494.3	1519.6	1542.2	1569.2	1590.4	1607.9	1623.8	1634.6	1656.1	1678.2
10°	1468.6	1495.1	1523.7	1552.8	1590.1	1618.1	1646.7	1668.7	1675.8	1708.0	1726.4
12.5°	1454.7	1490.2	1526.6	1564.2	1600.7	1639.4	1670.8	1692.8	1717.9	1746.8	1780.7
15°	1433.9	1474.7	1522.2	1570.7	1622.7	1669.7	1703.4	1741.7	1769.2	1800.9	1830.5
17.5°	1403.9	1456.5	1516.9	1573.0	1633.2	1683.7	1730.0	1766.8	1786.2	1804.2	1808.6
20°	1380.3	1436.9	1507.9	1574.2	1634.5	1692.7	1738.6	1769.2	1774.3	1774.8	1747.8
22.5°	1354.5	1418.5	1492.8	1560.8	1632.8	1697.6	1733.3	1746.4	1726.1	1691.5	1639.2
25°	1307.3	1381.3	1467.6	1545.1	1623.8	1685.0	1697.3	1674.3	1603.3	1528.8	1434.4
27.5°	1256.0	1339.2	1431.7	1518.0	1601.7	1639.7	1613.2	1530.4	1402.6	1291.5	1156.9
30°	1218.5	1311.9	1402.7	1499.2	1576.8	1593.1	1532.4	1410.4	1261.3	1093.9	959.7
32.5°	1175.6	1273.5	1373.3	1473.1	1538.0	1522.1	1421.7	1271.5	1096.8	932.2	805.3
35°	1114.3	1215.4	1323.1	1423.1	1464.5	1395.6	1245.5	1050.0	871.3	717.7	630.4
37.5°	1043.6	1153.6	1265.6	1357.5	1354.5	1239.7	1035.3	833.5	683.3	592.4	530.3
40°	993.3	1104.6	1225.6	1303.2	1270.0	1120.4	898.9	708.5	598.8	526.3	480.8
42.5°	945.2	1056.8	1177.0	1238.7	1181.0	997.1	776.4	627.2	536.7	480.1	443.3
45°	863.2	981.1	1092.4	1126.6	1023.5	820.8	627.9	519.6	459.4	417.6	392.0
47.5°	783.0	899.0	1000.6	1001.2	861.7	665.6	529.6	449.7	398.3	365.9	347.3
50°	734.0	844.3	929.5	916.3	758.0	592.1	473.7	404.8	361.9	336.9	317.5
52.5°	678.9	785.9	859.7	821.9	670.2	521.1	423.5	365.6	330.1	308.3	291.0
55°	598.8	693.7	745.8	688.6	546.7	433.4	357.8	312.4	285.9	267.5	252.7
57.5°	520.0	598.4	631.1	564.6	450.3	359.4	302.7	268.6	242.3	229.1	221.4
60°	470.6	537.5	560.5	487.0	391.5	314.4	268.0	236.3	216.9	208.3	200.6
62.5°	422.0	476.7	486.2	418.8	341.3	275.2	235.3	208.6	195.7	187.4	180.2
65°	350.2	389.5	384.9	330.8	270.0	218.5	189.4	173.0	163.3	151.6	138.8
67.5°	288.3	312.3	297.8	257.3	206.1	169.8	150.8	138.4	126.4	115.3	112.3
70°	249.1	262.9	247.6	210.3	169.0	142.4	127.1	112.3	105.2	102.6	98.0
72.5°	211.5	216.3	199.8	167.8	137.5	117.9	103.0	94.7	90.9	88.7	85.8
75°	158.8	155.2	140.9	115.9	95.5	82.2	77.6	74.5	72.0	69.9	68.4
77.5°	111.5	106.3	93.5	77.2	66.5	60.1	57.4	55.7	54.5	53.5	52.0
80°	83.7	80.1	67.4	55.1	50.5	47.5	45.9	43.9	43.9	42.9	41.3
82.5°	61.3	57.3	46.1	40.4	37.9	36.0	34.9	33.7	33.3	33.5	32.4
85°	32.2	26.0	23.0	21.9	20.4	19.4	19.9	18.9	18.9	18.9	18.4
87.5°	10.2	8.5	8.4	8.3	9.1	9.7	9.8	10.4	11.3	10.9	11.2
90°	2.1	3.6	5.1	6.7	8.8	11.6	14.4	17.2	20.0	19.7	19.5
92.5°	11.3	12.4	13.5	14.6	15.5	16.2	16.8	17.5	18.1	18.2	18.2
95°	30.9	32.2	33.5	34.7	35.5	35.7	36.0	36.2	36.5	36.5	36.5
97.5°	55.3	56.4	57.5	58.6	59.4	59.9	60.4	60.9	61.4	61.4	61.4
100°	73.4	74.4	75.5	76.5	77.2	77.6	77.9	78.3	78.7	78.7	78.7
102.5°	92.4	93.2	94.0	94.8	95.5	96.0	96.4	96.9	97.4	97.5	97.6
105°	123.0	123.4	123.7	124.1	124.4	124.7	124.9	125.2	125.5	125.7	126.0
107.5°	154.4	155.0	155.5	156.1	156.4	156.4	156.4	156.4	156.4	156.5	156.6
110°	174.7	175.4	176.2	177.0	177.3	177.3	177.3	177.3	177.3	177.3	177.3





TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	196.6	197.3	198.1	198.9	199.2	199.1	199.0	198.9	198.8	198.5	198.2
115°	228.9	229.6	230.4	231.1	231.4	231.1	230.9	230.6	230.4	230.3	230.1
117.5°	261.3	262.3	263.3	264.3	264.5	263.8	263.0	262.3	261.6	261.3	261.0
120°	282.7	283.7	284.7	285.8	285.8	284.7	283.7	282.7	281.7	281.7	281.7
122.5°	302.5	303.8	305.0	306.2	306.4	305.7	305.0	304.3	303.6	303.3	303.0
125°	333.0	334.2	335.3	336.4	336.8	336.4	336.1	335.7	335.3	334.9	334.5
127.5°	363.1	364.5	366.0	367.4	367.9	367.5	367.0	366.6	366.1	365.6	365.2
130°	382.0	383.6	385.3	386.9	387.6	387.4	387.1	386.9	386.6	386.4	386.1
132.5°	402.7	404.0	405.4	406.7	407.4	407.5	407.5	407.6	407.6	407.1	406.5
135°	430.8	432.2	433.6	435.0	435.8	436.0	436.3	436.6	436.8	436.7	436.6
137.5°	460.1	461.2	462.4	463.5	464.2	464.6	464.9	465.2	465.5	465.4	465.3
140°	477.9	479.0	480.1	481.3	482.2	482.8	483.4	484.1	484.7	484.7	484.7
142.5°	496.1	497.3	498.4	499.5	500.3	500.8	501.2	501.6	502.0	502.1	502.2
145°	522.1	523.0	523.9	524.8	525.6	526.3	527.1	527.9	528.6	528.7	528.9
147.5°	545.6	546.7	547.8	548.8	549.6	550.1	550.6	551.1	551.7	551.9	552.2
150°	561.3	562.1	562.8	563.6	564.2	564.7	565.2	565.7	566.3	566.6	567.0
152.5°	575.5	576.2	577.0	577.7	578.4	579.0	579.6	580.2	580.9	581.3	581.8
155°	596.3	596.7	597.0	597.4	597.8	598.2	598.6	598.9	599.3	600.0	600.6
157.5°	614.3	614.5	614.8	615.1	615.3	615.5	615.8	616.0	616.2	617.1	617.9
160°	625.2	625.5	625.7	626.0	626.2	626.3	626.4	626.6	626.7	627.5	628.2
162.5°	635.1	635.1	635.2	635.2	635.3	635.4	635.6	635.7	635.8	636.7	637.5
165°	648.2	648.1	648.0	647.9	647.8	647.8	647.8	647.8	647.8	648.7	649.6
167.5°	659.2	658.8	658.4	658.0	657.8	657.8	657.8	657.7	657.7	658.6	659.5
170°	665.1	664.7	664.3	664.0	663.7	663.6	663.4	663.3	663.2	664.1	665.0
172.5°	669.2	668.8	668.4	668.1	667.8	667.7	667.6	667.4	667.3	668.2	669.1
175°	674.2	673.8	673.5	673.1	672.8	672.5	672.3	672.0	671.7	672.6	673.5
177.5°	676.3	676.0	675.7	675.4	675.2	675.0	674.8	674.6	674.4	675.0	675.6
180°	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1520.5	1525.8	1528.3	1528.3	1531.2	1529.9	1528.7
5°	1607.9	1617.6	1619.7	1628.9	1635.5	1633.4	1634.5
7.5°	1694.8	1710.4	1725.8	1732.9	1734.0	1738.1	1739.6
10°	1748.3	1761.1	1785.1	1781.5	1799.3	1809.6	1792.7
12.5°	1799.8	1817.0	1833.6	1838.2	1848.4	1851.6	1845.0
15°	1846.3	1855.5	1856.5	1854.0	1857.0	1854.5	1844.8
17.5°	1802.8	1787.9	1757.7	1743.4	1732.1	1715.3	1708.6
20°	1730.9	1687.0	1636.0	1615.6	1591.6	1544.6	1555.9
22.5°	1575.8	1525.7	1474.7	1415.1	1386.6	1342.1	1339.4
25°	1334.3	1248.1	1153.1	1086.8	1048.0	1003.6	984.2
27.5°	1037.4	928.8	851.0	811.6	775.8	740.6	739.1
30°	842.2	760.6	700.3	666.7	644.7	629.9	633.0
32.5°	709.9	654.0	613.4	585.4	569.2	558.0	557.8
35°	580.4	542.1	516.1	504.3	492.6	484.4	484.9
37.5°	496.7	473.7	459.2	446.2	438.9	434.9	432.7
40°	453.8	434.9	423.7	416.0	409.9	404.3	403.3
42.5°	419.9	404.3	393.0	387.0	381.3	377.3	376.3
45°	372.6	359.9	349.7	343.0	340.5	336.9	336.9
47.5°	331.5	318.9	311.0	306.8	302.4	300.0	299.9
50°	303.7	294.0	286.9	284.3	280.7	279.2	278.7
52.5°	278.8	271.6	266.5	264.7	263.2	261.2	261.6
55°	245.0	240.9	238.9	237.4	234.8	231.7	233.8
57.5°	216.5	213.1	207.6	202.8	200.4	198.3	199.1
60°	196.5	189.4	182.2	176.6	175.1	170.5	170.5
62.5°	171.2	161.2	152.4	149.3	147.7	145.6	145.2
65°	131.7	127.6	125.6	123.5	122.5	122.5	121.5
67.5°	109.1	107.5	105.3	104.7	103.7	103.4	103.1
70°	96.5	94.4	93.4	92.9	91.9	92.4	90.9
72.5°	84.2	82.6	82.4	81.1	80.4	80.5	79.4
75°	66.4	66.4	65.8	65.3	64.3	63.8	64.3
77.5°	51.0	51.1	50.2	50.1	50.0	50.1	49.6
80°	40.8	41.3	40.8	40.3	39.8	40.3	39.8
82.5°	32.3	31.5	31.4	31.3	31.2	30.9	30.8
85°	18.4	18.9	18.4	17.9	17.9	17.9	18.4
87.5°	10.8	10.7	10.7	10.7	10.8	10.8	10.4
90°	19.2	18.9	18.9	19.0	19.1	19.3	19.4
92.5°	18.3	18.3	18.4	18.4	18.4	18.5	18.5
95°	36.5	36.5	36.4	36.1	35.9	35.6	35.4
97.5°	61.4	61.4	61.3	61.3	61.3	61.3	61.2
100°	78.7	78.7	78.6	78.5	78.4	78.3	78.1
102.5°	97.7	97.8	97.8	97.7	97.5	97.4	97.3
105°	126.2	126.5	126.6	126.6	126.6	126.6	126.6
107.5°	156.7	156.8	156.5	155.9	155.4	154.8	154.2
110°	177.3	177.3	177.2	176.8	176.4	176.0	175.6



TEST NUMBER: P331682

CATALOG NUMBER: SA2XXRDIP-C675D530U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	197.9	197.6	197.3	197.0	196.7	196.4	196.2
115°	230.0	229.9	229.6	229.2	228.9	228.5	228.1
117.5°	260.7	260.4	260.1	259.7	259.3	258.9	258.5
120°	281.7	281.7	281.5	281.1	280.8	280.4	280.0
122.5°	302.7	302.4	302.1	301.8	301.5	301.3	301.0
125°	334.2	333.8	333.5	333.4	333.3	333.1	333.0
127.5°	364.7	364.3	363.8	363.4	363.0	362.6	362.2
130°	385.9	385.6	385.2	384.7	384.2	383.7	383.2
132.5°	405.9	405.4	404.9	404.5	404.1	403.7	403.3
135°	436.4	436.3	436.0	435.7	435.3	434.9	434.5
137.5°	465.2	465.1	464.8	464.3	463.8	463.3	462.8
140°	484.7	484.7	484.5	483.9	483.4	482.9	482.4
142.5°	502.3	502.4	502.2	501.7	501.2	500.7	500.2
145°	529.0	529.1	528.9	528.4	527.9	527.4	526.9
147.5°	552.5	552.8	552.7	552.2	551.7	551.2	550.7
150°	567.4	567.8	567.8	567.4	567.0	566.6	566.3
152.5°	582.3	582.8	582.8	582.3	581.8	581.3	580.9
155°	601.2	601.9	602.0	601.6	601.2	600.8	600.5
157.5°	618.8	619.7	619.8	619.2	618.6	618.0	617.3
160°	629.0	629.7	629.9	629.4	628.9	628.3	627.8
162.5°	638.4	639.3	639.4	638.8	638.2	637.6	637.0
165°	650.5	651.3	651.5	650.8	650.2	649.6	648.9
167.5°	660.4	661.3	661.4	660.7	660.1	659.4	658.7
170°	665.9	666.7	666.8	666.0	665.3	664.5	663.8
172.5°	670.0	670.8	670.9	670.2	669.4	668.6	667.9
175°	674.4	675.3	675.4	674.6	673.8	673.1	672.3
177.5°	676.2	676.8	676.8	676.2	675.6	675.0	674.4
180°	675.7	675.7	675.7	675.7	675.7	675.7	675.7

(END OF REPORT)