

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: P332913-930

Luminaire Tested: **SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332913-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

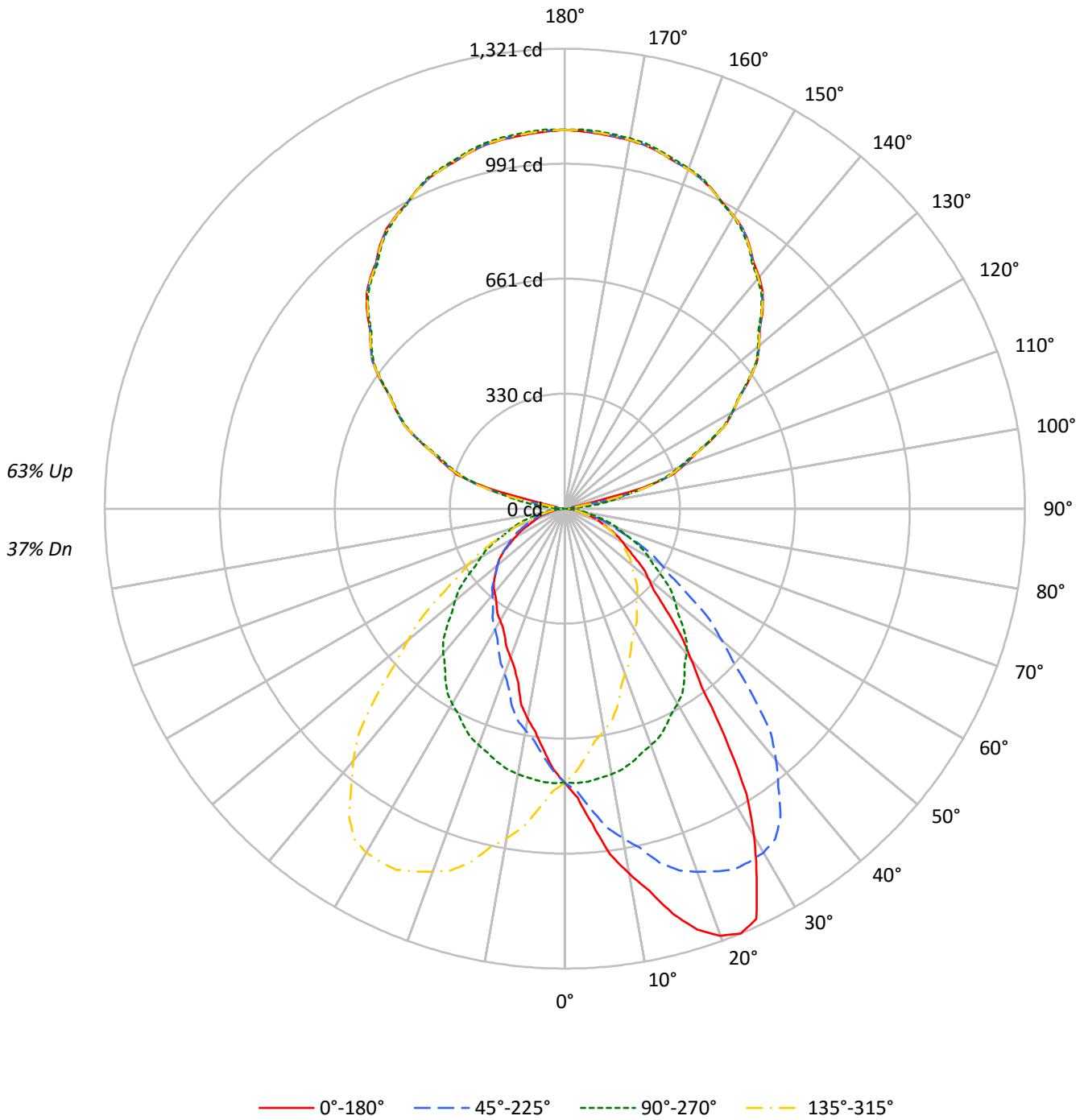
Lumens per Lamp: N/A
Luminaire Lumens: 5359.4 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 44.5
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



TEST NUMBER: P332913-930
CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37				
1	95	91	87	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32				
2	87	80	74	69	79	73	68	64	59	56	53	47	45	42	35	34	33	27				
3	80	71	64	58	72	64	58	53	53	48	45	42	39	36	32	30	28	24				
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	28	26	24	20				
5	67	56	48	42	60	51	44	39	42	37	33	34	30	27	26	23	21	18				
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16				
7	57	45	37	32	52	41	35	30	34	29	26	28	24	21	21	19	17	14				
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13				
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14	12				
10	46	34	27	23	42	32	25	21	26	22	18	21	18	15	17	14	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6356	6356	6356	6356
5°	7373	6375	5635	6375
10°	8722	6347	5029	6347
15°	10074	6288	4322	6288
20°	11217	6208	3908	6208
25°	11580	6128	3628	6128
30°	10137	6032	3459	6032
35°	7890	5889	3358	5889
40°	5917	5727	3303	5727
45°	4672	5465	3273	5465
50°	3945	5163	3180	5163
55°	3438	4830	3009	4830
60°	3094	4487	2662	4487
65°	2728	4115	2290	4115
70°	2455	3729	2068	3729
75°	2059	3306	1762	3306
80°	1739	2817	1650	2817
85°	1473	2205	1473	2205



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	1.4
10°-20°	230.1	4.3
20°-30°	359.9	6.7
30°-40°	400.1	7.5
40°-50°	355.0	6.6
50°-60°	276.6	5.2
60°-70°	181.1	3.4
70°-80°	89.1	1.7
80°-90°	25.1	0.5
90°-100°	37.2	0.7
100°-110°	237.3	4.4
110°-120°	453.9	8.5
120°-130°	576.3	10.8
130°-140°	616.6	11.5
140°-150°	576.6	10.8
150°-160°	464.9	8.7
160°-170°	299.9	5.6
170°-180°	103.4	1.9
0°-30°	666.3	12.4
0°-40°	1066.4	19.9
0°-60°	1698.1	31.7
0°-90°	1993.3	37.2
90°-120°	728.5	13.6
90°-150°	2497.9	46.6
90°-180°	3366.0	62.8
0°-180°	5359.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	787	787	787	787	787	
5°	910	787	695	787	910	92
15°	1205	752	517	752	1205	343
25°	1300	688	407	688	1300	577
35°	801	598	341	598	801	502
45°	409	479	287	479	409	324
55°	244	343	214	343	244	222
65°	143	215	120	215	143	144
75°	66	106	56	106	66	73
85°	16	24	16	24	16	19
90°	24	2	24	2	24	11
95°	24	45	24	45	24	19
105°	232	245	232	245	232	202
115°	461	457	461	457	461	456
125°	648	643	648	643	648	577
135°	803	798	803	798	803	618
145°	924	920	924	920	924	578
155°	1008	1008	1008	1008	1008	465
165°	1059	1064	1059	1064	1059	299
175°	1082	1088	1082	1088	1082	103
180°	1088	1088	1088	1088	1088	



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	830.5	832.7	830.5	830.2	827.7	827.0	825.9	822.6	816.5	812.9	813.8
5°	909.8	917.7	913.3	912.6	905.6	898.7	894.2	884.1	873.3	866.0	860.0
7.5°	1001.5	1006.1	1003.3	998.8	987.6	981.1	970.9	957.5	938.2	923.3	909.9
10°	1064.0	1067.7	1066.5	1058.3	1050.0	1033.1	1023.7	1004.9	980.5	961.2	943.1
12.5°	1125.4	1129.4	1118.3	1118.7	1103.0	1089.7	1074.6	1051.2	1022.9	997.9	975.3
15°	1205.4	1200.4	1200.4	1194.0	1176.6	1158.1	1142.6	1117.9	1082.3	1052.6	1021.2
17.5°	1268.1	1269.9	1267.3	1252.3	1238.6	1219.6	1191.1	1162.2	1129.2	1089.2	1057.1
20°	1305.7	1305.7	1302.8	1292.7	1274.9	1254.6	1223.8	1192.5	1150.6	1110.3	1074.1
22.5°	1320.9	1321.9	1318.6	1310.2	1294.2	1274.4	1248.2	1216.3	1173.1	1127.8	1083.0
25°	1300.0	1305.9	1306.6	1304.4	1299.7	1287.6	1265.1	1232.4	1193.7	1144.5	1096.3
27.5°	1193.5	1201.1	1207.8	1218.7	1233.3	1241.0	1241.9	1225.3	1191.6	1144.3	1095.8
30°	1087.4	1093.7	1114.4	1141.3	1162.3	1181.3	1197.8	1202.2	1183.2	1140.7	1089.6
32.5°	969.6	978.3	998.9	1027.9	1062.8	1095.0	1132.1	1151.0	1150.5	1124.9	1077.7
35°	800.6	807.0	826.1	856.5	898.4	946.2	1004.9	1050.6	1081.7	1079.5	1050.6
37.5°	645.7	652.9	672.1	697.4	738.0	797.3	854.1	917.0	974.5	1006.8	997.1
40°	561.5	561.8	580.5	606.5	644.6	696.3	758.1	827.9	892.0	944.4	954.5
42.5°	495.0	495.0	507.4	535.5	562.9	611.6	670.6	739.9	814.9	875.3	902.2
45°	409.2	412.1	422.2	439.0	460.6	501.8	549.1	613.5	697.6	769.2	814.0
47.5°	346.5	350.7	357.2	370.9	388.1	415.6	454.6	512.5	580.9	659.7	723.4
50°	314.1	314.7	322.9	330.5	345.4	367.4	401.6	449.8	512.7	588.4	659.2
52.5°	286.2	286.0	291.0	300.6	312.7	329.8	357.4	401.4	457.1	525.0	598.0
55°	244.3	245.8	249.6	257.2	266.4	278.5	300.4	333.4	377.2	435.2	501.5
57.5°	212.4	213.2	216.2	219.5	227.9	236.7	253.1	276.0	312.9	360.4	422.2
60°	191.6	191.9	192.9	197.6	204.3	212.5	223.6	243.0	274.1	317.6	366.4
62.5°	171.3	171.9	173.3	176.8	182.0	187.7	199.3	214.8	240.6	277.7	321.7
65°	142.8	143.1	145.3	146.6	150.7	155.7	164.3	174.8	192.6	223.6	257.0
67.5°	119.3	119.3	119.4	121.2	124.0	127.3	132.5	140.9	154.3	173.3	202.7
70°	104.0	104.0	104.7	105.7	107.2	110.1	112.9	119.3	129.1	144.6	167.1
72.5°	89.8	90.1	90.7	90.9	91.7	94.1	96.2	100.2	107.5	119.3	137.5
75°	66.0	66.9	68.5	69.8	71.3	71.1	73.3	75.8	78.0	85.0	95.5
77.5°	49.1	48.6	48.8	49.9	50.1	50.4	51.9	53.9	55.6	58.9	62.6
80°	37.4	37.4	38.4	38.7	38.4	38.7	40.3	41.3	41.9	43.1	46.6
82.5°	28.3	28.8	28.5	28.8	29.0	29.4	30.7	30.8	31.5	32.0	33.4
85°	15.9	16.1	16.5	15.9	15.9	15.9	16.5	16.8	17.4	17.1	17.8
87.5°	10.4	10.1	10.4	10.3	10.4	10.0	10.1	10.4	9.6	9.7	9.4
90°	24.4	24.1	23.7	23.3	23.0	22.3	21.2	20.1	19.0	17.9	16.5
92.5°	22.5	22.4	22.3	22.3	22.2	21.6	20.5	19.4	18.3	17.3	15.8
95°	23.6	23.4	23.2	23.1	22.9	22.3	21.2	20.1	19.0	17.9	17.7
97.5°	22.8	22.6	22.4	22.3	22.1	21.9	21.9	21.7	21.6	21.5	41.7
100°	22.8	22.6	22.4	22.3	22.1	23.5	26.6	29.7	32.8	35.8	60.7
102.5°	23.5	23.4	23.4	23.3	23.3	39.9	73.1	106.2	139.3	172.5	175.8
105°	232.0	238.5	245.0	251.5	258.0	260.4	258.8	257.2	255.6	254.0	253.1
107.5°	323.3	322.6	321.9	321.2	320.5	319.8	319.0	318.2	317.4	316.6	315.4
110°	363.0	362.5	361.9	361.3	360.9	360.4	360.0	359.6	359.3	358.9	357.8



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	402.7	402.0	401.4	400.6	400.0	399.7	399.7	399.8	399.9	399.9	399.4
115°	460.6	460.6	460.6	460.6	460.6	460.5	460.2	459.7	459.4	459.0	459.2
117.5°	519.6	519.7	519.8	519.8	519.9	519.9	520.0	520.1	520.2	520.2	519.8
120°	556.7	557.1	557.4	557.7	558.2	558.2	557.7	557.4	557.1	556.7	556.8
122.5°	593.1	593.5	593.9	594.3	594.6	594.7	594.4	594.3	594.0	593.8	593.5
125°	647.8	647.7	647.5	647.3	647.1	646.8	646.2	645.7	645.1	644.6	645.0
127.5°	695.9	696.0	696.2	696.3	696.4	696.6	696.7	696.8	696.9	697.0	696.2
130°	728.5	728.5	728.5	728.5	728.5	728.3	728.1	728.0	727.8	727.7	727.1
132.5°	758.4	758.6	758.6	758.8	759.0	759.0	758.8	758.6	758.4	758.2	757.5
135°	803.3	802.9	802.6	802.3	801.8	801.5	801.1	800.8	800.4	800.1	799.3
137.5°	841.7	841.8	842.0	842.0	842.1	842.0	841.6	841.2	840.8	840.4	839.6
140°	868.5	868.2	868.0	867.9	867.7	867.3	866.8	866.3	865.7	865.2	864.8
142.5°	890.6	890.6	890.5	890.5	890.4	890.2	889.8	889.4	889.0	888.6	888.4
145°	924.5	924.2	923.8	923.5	923.2	922.8	922.7	922.5	922.3	922.1	922.1
147.5°	952.8	952.6	952.4	952.2	952.0	951.9	951.7	951.5	951.5	951.3	951.5
150°	970.9	970.8	970.6	970.5	970.2	970.1	970.1	970.1	970.1	970.1	970.4
152.5°	986.6	986.7	986.8	986.9	987.0	986.9	986.7	986.3	986.1	985.8	986.1
155°	1007.6	1008.1	1008.7	1009.3	1009.7	1009.7	1008.9	1008.2	1007.5	1006.8	1007.3
157.5°	1025.2	1026.1	1027.0	1028.0	1028.9	1028.9	1028.0	1027.0	1026.1	1025.2	1025.8
160°	1036.9	1038.0	1039.1	1040.2	1041.2	1041.2	1040.2	1039.1	1038.0	1036.9	1037.1
162.5°	1046.0	1047.3	1048.5	1049.7	1050.9	1051.0	1049.9	1048.8	1047.7	1046.7	1046.8
165°	1058.8	1060.5	1062.1	1063.7	1065.4	1065.4	1064.0	1062.6	1061.1	1059.6	1059.6
167.5°	1068.4	1070.2	1072.1	1073.9	1075.7	1075.8	1074.2	1072.6	1071.1	1069.4	1069.6
170°	1074.3	1076.1	1078.0	1079.8	1081.6	1081.7	1080.3	1078.9	1077.4	1076.0	1075.8
172.5°	1077.6	1079.5	1081.5	1083.5	1085.4	1085.7	1084.2	1082.8	1081.3	1079.9	1079.7
175°	1081.7	1083.9	1086.0	1088.2	1090.3	1090.6	1089.0	1087.4	1085.7	1084.1	1083.9
177.5°	1084.3	1086.0	1087.8	1089.5	1091.2	1091.5	1090.3	1089.2	1088.0	1086.9	1086.5
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	811.2	807.6	805.8	801.8	797.0	794.4	792.1	788.9	784.6	780.0	776.7
5°	852.4	844.7	835.2	823.8	813.7	803.8	795.2	786.7	776.9	766.7	756.6
7.5°	894.6	879.6	863.5	844.7	826.6	810.0	794.8	780.2	763.7	748.9	735.4
10°	924.1	903.8	881.3	857.5	833.6	813.0	792.7	774.3	754.0	736.0	720.7
12.5°	947.9	924.1	897.0	867.3	838.7	813.8	790.4	766.5	743.4	723.7	703.4
15°	987.5	954.8	918.4	882.8	845.7	811.8	780.3	752.4	726.1	698.5	679.1
17.5°	1014.7	975.9	931.6	888.9	845.1	805.0	768.8	735.6	705.2	677.0	654.0
20°	1030.9	988.1	939.0	890.4	841.2	798.4	759.5	722.6	691.2	660.8	637.0
22.5°	1040.1	992.7	939.0	888.1	837.2	790.8	748.0	709.7	675.5	645.1	618.7
25°	1043.0	992.2	937.3	879.0	823.2	774.0	729.6	688.0	650.0	619.5	591.6
27.5°	1038.9	979.2	923.0	863.1	805.5	753.7	707.0	663.3	625.3	592.6	563.9
30°	1032.8	968.8	908.5	846.4	788.0	738.2	689.0	647.1	607.5	573.6	544.7
32.5°	1019.7	956.1	891.3	827.5	768.4	717.1	670.5	628.4	589.5	554.7	524.1
35°	993.5	929.1	858.7	793.4	735.3	682.0	638.2	597.6	560.5	523.4	491.1
37.5°	959.0	893.3	823.2	751.7	693.6	643.3	603.1	565.0	528.7	494.9	459.0
40°	926.6	866.7	794.3	723.3	663.7	615.1	578.0	543.4	507.0	473.3	437.4
42.5°	887.3	836.2	763.1	691.8	632.9	586.1	551.5	517.8	484.6	452.0	414.6
45°	821.6	782.9	714.4	645.9	586.5	540.2	508.5	478.7	449.5	418.4	383.2
47.5°	746.3	720.2	661.0	590.8	536.0	494.3	463.7	439.3	414.6	383.5	352.6
50°	694.1	677.3	620.2	556.1	503.8	465.4	434.0	411.1	390.5	360.7	333.0
52.5°	638.2	629.3	581.1	519.8	469.2	431.6	404.8	384.3	363.4	338.6	312.7
55°	553.3	558.0	517.1	464.1	416.5	384.8	360.4	343.2	325.5	304.5	284.5
57.5°	466.3	483.7	456.2	409.7	365.1	335.8	317.4	303.0	288.1	270.7	253.6
60°	414.3	428.8	413.4	372.4	333.4	306.1	289.0	277.9	262.9	247.1	234.1
62.5°	363.5	379.1	369.9	336.9	300.7	277.2	262.1	251.8	240.7	226.8	213.3
65°	299.8	309.9	305.5	282.7	257.0	236.9	223.0	215.4	205.2	195.1	183.0
67.5°	229.6	249.2	246.6	234.5	212.3	196.7	187.5	180.8	171.5	164.0	155.8
70°	188.7	206.8	206.5	196.7	184.6	170.0	163.7	158.0	149.7	142.4	135.7
72.5°	154.5	171.0	173.5	166.0	157.8	146.7	140.6	136.6	128.7	123.7	118.2
75°	108.2	120.3	123.4	123.4	119.6	113.9	108.5	106.0	100.2	95.8	92.6
77.5°	70.9	78.5	83.5	84.6	85.2	83.3	78.8	77.0	72.7	71.1	68.1
80°	50.1	55.2	60.9	62.8	64.4	63.8	61.9	60.6	56.5	54.9	53.6
82.5°	34.7	37.4	42.2	46.3	45.9	47.5	45.9	44.8	41.7	41.2	39.9
85°	18.1	18.4	19.0	21.9	23.5	24.1	24.5	23.8	22.8	22.8	20.6
87.5°	9.1	8.6	8.8	8.4	8.3	8.9	9.3	9.1	8.7	8.4	8.0
90°	15.0	13.5	12.1	10.4	8.4	6.4	4.4	2.4	4.4	6.4	8.4
92.5°	14.3	12.9	11.5	10.7	10.6	10.4	10.4	10.3	10.4	10.4	10.6
95°	17.5	17.4	17.2	20.1	26.3	32.4	38.6	44.8	38.6	32.4	26.3
97.5°	61.9	82.0	102.2	110.4	106.6	102.7	98.9	95.1	98.9	102.7	106.6
100°	85.8	110.7	135.7	146.5	143.2	140.0	136.7	133.5	136.7	140.0	143.2
102.5°	179.0	182.3	185.6	186.0	183.6	181.2	178.9	176.4	178.9	181.2	183.6
105°	252.1	251.2	250.3	249.3	248.3	247.1	246.1	245.0	246.1	247.1	248.3
107.5°	314.1	312.9	311.7	310.8	310.2	309.7	309.2	308.6	309.2	309.7	310.2
110°	356.8	355.6	354.6	353.8	353.2	352.7	352.1	351.6	352.1	352.7	353.2



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	398.9	398.4	397.9	397.2	396.2	395.3	394.3	393.3	394.3	395.3	396.2
115°	459.4	459.6	459.7	459.6	459.0	458.5	458.0	457.4	458.0	458.5	459.0
117.5°	519.4	519.0	518.6	518.1	517.4	516.7	515.9	515.2	515.9	516.7	517.4
120°	557.1	557.3	557.4	557.2	556.4	555.7	555.0	554.2	555.0	555.7	556.4
122.5°	593.3	593.0	592.8	592.5	592.0	591.6	591.2	590.7	591.2	591.6	592.0
125°	645.3	645.7	646.0	645.9	645.1	644.4	643.7	642.9	643.7	644.4	645.1
127.5°	695.4	694.6	693.7	693.2	693.0	692.8	692.6	692.4	692.6	692.8	693.0
130°	726.5	726.0	725.5	725.0	724.9	724.7	724.6	724.4	724.6	724.7	724.9
132.5°	756.8	756.2	755.5	755.0	754.6	754.3	754.0	753.7	754.0	754.3	754.6
135°	798.6	797.9	797.1	796.9	797.0	797.3	797.4	797.6	797.4	797.3	797.0
137.5°	838.9	838.0	837.2	836.8	836.7	836.7	836.6	836.5	836.6	836.7	836.7
140°	864.5	864.1	863.7	863.3	863.0	862.7	862.3	861.9	862.3	862.7	863.0
142.5°	888.2	887.9	887.7	887.3	886.6	886.0	885.3	884.7	885.3	886.0	886.6
145°	922.1	922.1	922.1	921.9	921.3	920.8	920.2	919.7	920.2	920.8	921.3
147.5°	951.6	951.8	952.0	951.6	950.6	949.6	948.5	947.5	948.5	949.6	950.6
150°	970.5	970.7	970.9	970.6	969.9	969.1	968.4	967.7	968.4	969.1	969.9
152.5°	986.4	986.8	987.1	986.9	986.3	985.8	985.2	984.6	985.2	985.8	986.3
155°	1007.9	1008.4	1008.9	1009.1	1008.9	1008.8	1008.6	1008.4	1008.6	1008.8	1008.9
157.5°	1026.4	1027.0	1027.6	1028.0	1028.1	1028.2	1028.3	1028.4	1028.3	1028.2	1028.1
160°	1037.2	1037.5	1037.6	1038.0	1038.5	1039.1	1039.6	1040.2	1039.6	1039.1	1038.5
162.5°	1047.0	1047.2	1047.4	1047.8	1048.5	1049.2	1049.9	1050.6	1049.9	1049.2	1048.5
165°	1059.6	1059.6	1059.6	1060.1	1061.0	1061.9	1062.8	1063.7	1062.8	1061.9	1061.0
167.5°	1069.7	1069.8	1069.9	1070.4	1071.4	1072.3	1073.3	1074.2	1073.3	1072.3	1071.4
170°	1075.6	1075.4	1075.2	1075.7	1076.8	1077.8	1079.0	1080.0	1079.0	1077.8	1076.8
172.5°	1079.5	1079.3	1079.1	1079.6	1080.7	1081.7	1082.9	1083.9	1082.9	1081.7	1080.7
175°	1083.8	1083.5	1083.4	1083.9	1084.9	1086.0	1087.1	1088.2	1087.1	1086.0	1084.9
177.5°	1086.3	1086.0	1085.7	1086.1	1087.1	1088.1	1089.1	1090.1	1089.1	1088.1	1087.1
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	773.1	770.6	767.3	763.4	758.9	754.9	753.1	754.6	755.4	753.3	753.1
5°	749.6	741.7	735.3	725.8	718.2	711.8	707.4	705.5	706.1	701.1	699.8
7.5°	723.1	713.7	703.4	692.0	681.5	672.2	667.3	664.6	659.3	657.0	653.1
10°	706.1	693.4	683.3	669.9	657.9	646.8	641.4	637.0	631.6	629.0	623.6
12.5°	688.6	673.9	662.8	648.9	636.6	623.2	618.1	609.8	601.4	596.1	589.1
15°	663.9	646.2	632.5	616.0	601.4	586.2	572.6	557.3	551.6	539.6	532.6
17.5°	635.0	617.0	600.1	578.0	555.5	536.6	522.0	507.5	498.7	491.1	487.5
20°	616.0	599.6	576.1	550.4	525.3	504.3	492.6	483.1	473.6	468.2	464.4
22.5°	598.0	577.0	549.7	522.0	496.9	480.5	470.6	460.8	453.1	447.9	442.9
25°	567.9	540.2	511.4	479.6	462.5	448.3	437.4	429.5	424.8	418.1	415.6
27.5°	536.8	503.4	471.5	450.2	432.4	419.3	409.9	404.0	397.9	393.6	390.4
30°	512.9	479.0	450.5	430.2	412.1	401.3	393.6	386.7	382.0	378.5	375.9
32.5°	489.3	455.4	431.4	409.6	395.3	384.8	376.7	371.5	367.7	363.2	361.7
35°	455.2	425.1	404.1	384.5	369.9	360.4	354.0	348.6	345.4	344.2	343.2
37.5°	422.4	397.7	375.2	359.1	346.1	338.6	331.1	328.5	326.3	324.0	325.1
40°	401.6	378.5	358.5	341.4	330.8	322.6	318.1	315.0	313.1	313.1	313.1
42.5°	383.6	360.9	341.4	326.1	315.6	308.7	303.7	301.0	300.4	300.1	301.7
45°	355.6	334.7	315.0	302.3	293.4	286.4	283.6	281.4	281.4	282.7	283.0
47.5°	327.9	308.3	292.4	278.3	270.1	265.8	263.3	262.1	262.3	263.5	265.0
50°	310.9	291.6	276.0	263.3	255.7	251.5	249.3	248.7	249.3	249.3	251.5
52.5°	292.4	275.0	259.8	249.1	240.4	236.6	235.4	234.5	234.9	235.9	236.8
55°	265.2	249.6	235.1	224.9	218.6	216.1	213.2	213.5	212.9	213.5	213.5
57.5°	238.0	224.0	210.4	202.4	196.8	193.1	190.0	190.9	190.0	189.8	189.3
60°	220.5	205.2	194.4	187.2	180.8	177.7	174.8	175.5	174.5	173.8	172.6
62.5°	201.5	188.7	178.5	171.5	166.3	162.7	159.8	159.1	156.9	154.8	152.0
65°	173.8	163.4	154.2	147.5	142.8	139.9	137.7	135.7	131.0	126.0	123.4
67.5°	147.0	139.4	130.9	125.2	121.4	117.6	113.4	110.1	105.7	102.9	101.3
70°	129.7	122.5	115.1	109.7	105.7	102.2	97.3	95.1	92.0	90.7	89.1
72.5°	113.2	106.5	99.6	94.8	90.4	87.6	84.0	81.7	80.3	79.8	78.2
75°	88.2	82.8	77.7	73.3	69.8	67.9	66.3	64.7	64.1	61.2	59.6
77.5°	64.3	60.7	57.6	54.5	51.9	50.7	47.6	45.8	44.8	43.4	43.0
80°	50.1	47.6	44.4	42.5	39.1	37.7	36.4	36.2	35.9	35.5	35.2
82.5°	37.7	35.1	32.0	30.8	29.9	29.1	28.4	28.0	27.7	27.9	27.9
85°	19.0	17.8	17.8	17.4	17.1	16.8	16.5	16.5	16.1	16.5	16.1
87.5°	8.4	8.5	8.8	8.6	9.1	9.5	9.4	9.6	10.1	9.8	9.9
90°	10.4	12.1	13.5	15.0	16.5	17.9	19.0	20.1	21.2	22.3	23.0
92.5°	10.7	11.5	12.9	14.3	15.8	17.3	18.3	19.4	20.5	21.6	22.2
95°	20.1	17.2	17.4	17.5	17.7	17.9	19.0	20.1	21.2	22.3	22.9
97.5°	110.4	102.2	82.0	61.9	41.7	21.5	21.6	21.7	21.9	21.9	22.1
100°	146.5	135.7	110.7	85.8	60.7	35.8	32.8	29.7	26.6	23.5	22.1
102.5°	186.0	185.6	182.3	179.0	175.8	172.5	139.3	106.2	73.1	39.9	23.3
105°	249.3	250.3	251.2	252.1	253.1	254.0	255.6	257.2	258.8	260.4	258.0
107.5°	310.8	311.7	312.9	314.1	315.4	316.6	317.4	318.2	319.0	319.8	320.5
110°	353.8	354.6	355.6	356.8	357.8	358.9	359.3	359.6	360.0	360.4	360.9



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	397.2	397.9	398.4	398.9	399.4	399.9	399.9	399.8	399.7	399.7	400.0
115°	459.6	459.7	459.6	459.4	459.2	459.0	459.4	459.7	460.2	460.5	460.6
117.5°	518.1	518.6	519.0	519.4	519.8	520.2	520.2	520.1	520.0	519.9	519.9
120°	557.2	557.4	557.3	557.1	556.8	556.7	557.1	557.4	557.7	558.2	558.2
122.5°	592.5	592.8	593.0	593.3	593.5	593.8	594.0	594.3	594.4	594.7	594.6
125°	645.9	646.0	645.7	645.3	645.0	644.6	645.1	645.7	646.2	646.8	647.1
127.5°	693.2	693.7	694.6	695.4	696.2	697.0	696.9	696.8	696.7	696.6	696.4
130°	725.0	725.5	726.0	726.5	727.1	727.7	727.8	728.0	728.1	728.3	728.5
132.5°	755.0	755.5	756.2	756.8	757.5	758.2	758.4	758.6	758.8	759.0	759.0
135°	796.9	797.1	797.9	798.6	799.3	800.1	800.4	800.8	801.1	801.5	801.8
137.5°	836.8	837.2	838.0	838.9	839.6	840.4	840.8	841.2	841.6	842.0	842.1
140°	863.3	863.7	864.1	864.5	864.8	865.2	865.7	866.3	866.8	867.3	867.7
142.5°	887.3	887.7	887.9	888.2	888.4	888.6	889.0	889.4	889.8	890.2	890.4
145°	921.9	922.1	922.1	922.1	922.1	922.1	922.3	922.5	922.7	922.8	923.2
147.5°	951.6	952.0	951.8	951.6	951.5	951.3	951.5	951.5	951.7	951.9	952.0
150°	970.6	970.9	970.7	970.5	970.4	970.1	970.1	970.1	970.1	970.1	970.2
152.5°	986.9	987.1	986.8	986.4	986.1	985.8	986.1	986.3	986.7	986.9	987.0
155°	1009.1	1008.9	1008.4	1007.9	1007.3	1006.8	1007.5	1008.2	1008.9	1009.7	1009.7
157.5°	1028.0	1027.6	1027.0	1026.4	1025.8	1025.2	1026.1	1027.0	1028.0	1028.9	1028.9
160°	1038.0	1037.6	1037.5	1037.2	1037.1	1036.9	1038.0	1039.1	1040.2	1041.2	1041.2
162.5°	1047.8	1047.4	1047.2	1047.0	1046.8	1046.7	1047.7	1048.8	1049.9	1051.0	1050.9
165°	1060.1	1059.6	1059.6	1059.6	1059.6	1059.6	1061.1	1062.6	1064.0	1065.4	1065.4
167.5°	1070.4	1069.9	1069.8	1069.7	1069.6	1069.4	1071.1	1072.6	1074.2	1075.8	1075.7
170°	1075.7	1075.2	1075.4	1075.6	1075.8	1076.0	1077.4	1078.9	1080.3	1081.7	1081.6
172.5°	1079.6	1079.1	1079.3	1079.5	1079.7	1079.9	1081.3	1082.8	1084.2	1085.7	1085.4
175°	1083.9	1083.4	1083.5	1083.8	1083.9	1084.1	1085.7	1087.4	1089.0	1090.6	1090.3
177.5°	1086.1	1085.7	1086.0	1086.3	1086.5	1086.9	1088.0	1089.2	1090.3	1091.5	1091.2
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	751.5	752.0	750.3	749.7	750.3	752.0	751.5	753.1	753.3	755.4	754.6
5°	697.2	696.6	695.0	695.4	695.0	696.6	697.2	699.8	701.1	706.1	705.5
7.5°	650.8	648.3	649.1	646.5	649.1	648.3	650.8	653.1	657.0	659.3	664.6
10°	622.4	618.9	616.0	613.5	616.0	618.9	622.4	623.6	629.0	631.6	637.0
12.5°	583.6	580.6	576.7	577.5	576.7	580.6	583.6	589.1	596.1	601.4	609.8
15°	528.5	523.7	516.1	517.1	516.1	523.7	528.5	532.6	539.6	551.6	557.3
17.5°	481.8	481.9	478.4	479.2	478.4	481.9	481.8	487.5	491.1	498.7	507.5
20°	457.7	455.5	455.8	454.9	455.8	455.5	457.7	464.4	468.2	473.6	483.1
22.5°	441.0	438.3	436.0	434.1	436.0	438.3	441.0	442.9	447.9	453.1	460.8
25°	412.7	410.8	408.0	407.3	408.0	410.8	412.7	415.6	418.1	424.8	429.5
27.5°	387.8	387.4	386.3	384.8	386.3	387.4	387.8	390.4	393.6	397.9	404.0
30°	373.3	372.8	372.1	371.1	372.1	372.8	373.3	375.9	378.5	382.0	386.7
32.5°	360.4	360.0	359.4	359.5	359.4	360.0	360.4	361.7	363.2	367.7	371.5
35°	341.9	341.6	341.0	340.7	341.0	341.6	341.9	343.2	344.2	345.4	348.6
37.5°	324.7	325.5	325.1	325.1	325.1	325.5	324.7	325.1	324.0	326.3	328.5
40°	312.7	313.1	313.7	313.4	313.7	313.1	312.7	313.1	313.1	313.1	315.0
42.5°	302.9	303.0	303.9	302.7	303.9	303.0	302.9	301.7	300.1	300.4	301.0
45°	285.2	287.1	286.7	286.7	286.7	287.1	285.2	283.0	282.7	281.4	281.4
47.5°	265.8	267.5	267.9	267.8	267.9	267.5	265.8	265.0	263.5	262.3	262.1
50°	253.2	252.5	253.5	253.2	253.5	252.5	253.2	251.5	249.3	249.3	248.7
52.5°	237.7	237.8	237.7	237.4	237.7	237.8	237.7	236.8	235.9	234.9	234.5
55°	213.8	214.1	213.5	213.8	213.5	214.1	213.8	213.5	213.5	212.9	213.5
57.5°	187.9	186.4	187.0	186.3	187.0	186.4	187.9	189.3	189.8	190.0	190.9
60°	169.4	166.9	166.2	164.9	166.2	166.9	169.4	172.6	173.8	174.5	175.5
62.5°	148.5	146.8	144.6	145.7	144.6	146.8	148.5	152.0	154.8	156.9	159.1
65°	120.8	119.6	118.6	119.9	118.6	119.6	120.8	123.4	126.0	131.0	135.7
67.5°	100.0	99.4	99.4	98.7	99.4	99.4	100.0	101.3	102.9	105.7	110.1
70°	89.1	88.2	88.2	87.6	88.2	88.2	89.1	89.1	90.7	92.0	95.1
72.5°	77.9	77.0	77.3	76.9	77.3	77.0	77.9	78.2	79.8	80.3	81.7
75°	57.7	56.2	56.2	56.5	56.2	56.2	57.7	59.6	61.2	64.1	64.7
77.5°	43.0	42.7	43.2	42.6	43.2	42.7	43.0	43.0	43.4	44.8	45.8
80°	35.2	34.9	34.6	35.5	34.6	34.9	35.2	35.2	35.5	35.9	36.2
82.5°	27.3	27.3	27.2	28.5	27.2	27.3	27.3	27.9	27.9	27.7	28.0
85°	16.5	15.9	16.5	15.9	16.5	15.9	16.5	16.1	16.5	16.1	16.5
87.5°	10.5	10.4	10.1	10.4	10.1	10.4	10.5	9.9	9.8	10.1	9.6
90°	23.3	23.7	24.1	24.4	24.1	23.7	23.3	23.0	22.3	21.2	20.1
92.5°	22.3	22.3	22.4	22.5	22.4	22.3	22.3	22.2	21.6	20.5	19.4
95°	23.1	23.2	23.4	23.6	23.4	23.2	23.1	22.9	22.3	21.2	20.1
97.5°	22.3	22.4	22.6	22.8	22.6	22.4	22.3	22.1	21.9	21.9	21.7
100°	22.3	22.4	22.6	22.8	22.6	22.4	22.3	22.1	23.5	26.6	29.7
102.5°	23.3	23.4	23.4	23.5	23.4	23.4	23.3	23.3	39.9	73.1	106.2
105°	251.5	245.0	238.5	232.0	238.5	245.0	251.5	258.0	260.4	258.8	257.2
107.5°	321.2	321.9	322.6	323.3	322.6	321.9	321.2	320.5	319.8	319.0	318.2
110°	361.3	361.9	362.5	363.0	362.5	361.9	361.3	360.9	360.4	360.0	359.6



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	400.6	401.4	402.0	402.7	402.0	401.4	400.6	400.0	399.7	399.7	399.8
115°	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.6	460.5	460.2	459.7
117.5°	519.8	519.8	519.7	519.6	519.7	519.8	519.8	519.9	519.9	520.0	520.1
120°	557.7	557.4	557.1	556.7	557.1	557.4	557.7	558.2	558.2	557.7	557.4
122.5°	594.3	593.9	593.5	593.1	593.5	593.9	594.3	594.6	594.7	594.4	594.3
125°	647.3	647.5	647.7	647.8	647.7	647.5	647.3	647.1	646.8	646.2	645.7
127.5°	696.3	696.2	696.0	695.9	696.0	696.2	696.3	696.4	696.6	696.7	696.8
130°	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.3	728.1	728.0
132.5°	758.8	758.6	758.6	758.4	758.6	758.6	758.8	759.0	759.0	758.8	758.6
135°	802.3	802.6	802.9	803.3	802.9	802.6	802.3	801.8	801.5	801.1	800.8
137.5°	842.0	842.0	841.8	841.7	841.8	842.0	842.0	842.1	842.0	841.6	841.2
140°	867.9	868.0	868.2	868.5	868.2	868.0	867.9	867.7	867.3	866.8	866.3
142.5°	890.5	890.5	890.6	890.6	890.6	890.5	890.5	890.4	890.2	889.8	889.4
145°	923.5	923.8	924.2	924.5	924.2	923.8	923.5	923.2	922.8	922.7	922.5
147.5°	952.2	952.4	952.6	952.8	952.6	952.4	952.2	952.0	951.9	951.7	951.5
150°	970.5	970.6	970.8	970.9	970.8	970.6	970.5	970.2	970.1	970.1	970.1
152.5°	986.9	986.8	986.7	986.6	986.7	986.8	986.9	987.0	986.9	986.7	986.3
155°	1009.3	1008.7	1008.1	1007.6	1008.1	1008.7	1009.3	1009.7	1009.7	1008.9	1008.2
157.5°	1028.0	1027.0	1026.1	1025.2	1026.1	1027.0	1028.0	1028.9	1028.9	1028.0	1027.0
160°	1040.2	1039.1	1038.0	1036.9	1038.0	1039.1	1040.2	1041.2	1041.2	1040.2	1039.1
162.5°	1049.7	1048.5	1047.3	1046.0	1047.3	1048.5	1049.7	1050.9	1051.0	1049.9	1048.8
165°	1063.7	1062.1	1060.5	1058.8	1060.5	1062.1	1063.7	1065.4	1065.4	1064.0	1062.6
167.5°	1073.9	1072.1	1070.2	1068.4	1070.2	1072.1	1073.9	1075.7	1075.8	1074.2	1072.6
170°	1079.8	1078.0	1076.1	1074.3	1076.1	1078.0	1079.8	1081.6	1081.7	1080.3	1078.9
172.5°	1083.5	1081.5	1079.5	1077.6	1079.5	1081.5	1083.5	1085.4	1085.7	1084.2	1082.8
175°	1088.2	1086.0	1083.9	1081.7	1083.9	1086.0	1088.2	1090.3	1090.6	1089.0	1087.4
177.5°	1089.5	1087.8	1086.0	1084.3	1086.0	1087.8	1089.5	1091.2	1091.5	1090.3	1089.2
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	753.1	754.9	758.9	763.4	767.3	770.6	773.1	776.7	780.0	784.6	788.9
5°	707.4	711.8	718.2	725.8	735.3	741.7	749.6	756.6	766.7	776.9	786.7
7.5°	667.3	672.2	681.5	692.0	703.4	713.7	723.1	735.4	748.9	763.7	780.2
10°	641.4	646.8	657.9	669.9	683.3	693.4	706.1	720.7	736.0	754.0	774.3
12.5°	618.1	623.2	636.6	648.9	662.8	673.9	688.6	703.4	723.7	743.4	766.5
15°	572.6	586.2	601.4	616.0	632.5	646.2	663.9	679.1	698.5	726.1	752.4
17.5°	522.0	536.6	555.5	578.0	600.1	617.0	635.0	654.0	677.0	705.2	735.6
20°	492.6	504.3	525.3	550.4	576.1	599.6	616.0	637.0	660.8	691.2	722.6
22.5°	470.6	480.5	496.9	522.0	549.7	577.0	598.0	618.7	645.1	675.5	709.7
25°	437.4	448.3	462.5	479.6	511.4	540.2	567.9	591.6	619.5	650.0	688.0
27.5°	409.9	419.3	432.4	450.2	471.5	503.4	536.8	563.9	592.6	625.3	663.3
30°	393.6	401.3	412.1	430.2	450.5	479.0	512.9	544.7	573.6	607.5	647.1
32.5°	376.7	384.8	395.3	409.6	431.4	455.4	489.3	524.1	554.7	589.5	628.4
35°	354.0	360.4	369.9	384.5	404.1	425.1	455.2	491.1	523.4	560.5	597.6
37.5°	331.1	338.6	346.1	359.1	375.2	397.7	422.4	459.0	494.9	528.7	565.0
40°	318.1	322.6	330.8	341.4	358.5	378.5	401.6	437.4	473.3	507.0	543.4
42.5°	303.7	308.7	315.6	326.1	341.4	360.9	383.6	414.6	452.0	484.6	517.8
45°	283.6	286.4	293.4	302.3	315.0	334.7	355.6	383.2	418.4	449.5	478.7
47.5°	263.3	265.8	270.1	278.3	292.4	308.3	327.9	352.6	383.5	414.6	439.3
50°	249.3	251.5	255.7	263.3	276.0	291.6	310.9	333.0	360.7	390.5	411.1
52.5°	235.4	236.6	240.4	249.1	259.8	275.0	292.4	312.7	338.6	363.4	384.3
55°	213.2	216.1	218.6	224.9	235.1	249.6	265.2	284.5	304.5	325.5	343.2
57.5°	190.0	193.1	196.8	202.4	210.4	224.0	238.0	253.6	270.7	288.1	303.0
60°	174.8	177.7	180.8	187.2	194.4	205.2	220.5	234.1	247.1	262.9	277.9
62.5°	159.8	162.7	166.3	171.5	178.5	188.7	201.5	213.3	226.8	240.7	251.8
65°	137.7	139.9	142.8	147.5	154.2	163.4	173.8	183.0	195.1	205.2	215.4
67.5°	113.4	117.6	121.4	125.2	130.9	139.4	147.0	155.8	164.0	171.5	180.8
70°	97.3	102.2	105.7	109.7	115.1	122.5	129.7	135.7	142.4	149.7	158.0
72.5°	84.0	87.6	90.4	94.8	99.6	106.5	113.2	118.2	123.7	128.7	136.6
75°	66.3	67.9	69.8	73.3	77.7	82.8	88.2	92.6	95.8	100.2	106.0
77.5°	47.6	50.7	51.9	54.5	57.6	60.7	64.3	68.1	71.1	72.7	77.0
80°	36.4	37.7	39.1	42.5	44.4	47.6	50.1	53.6	54.9	56.5	60.6
82.5°	28.4	29.1	29.9	30.8	32.0	35.1	37.7	39.9	41.2	41.7	44.8
85°	16.5	16.8	17.1	17.4	17.8	17.8	19.0	20.6	22.8	22.8	23.8
87.5°	9.4	9.5	9.1	8.6	8.8	8.5	8.4	8.0	8.4	8.7	9.1
90°	19.0	17.9	16.5	15.0	13.5	12.1	10.4	8.4	6.4	4.4	2.4
92.5°	18.3	17.3	15.8	14.3	12.9	11.5	10.7	10.6	10.4	10.4	10.3
95°	19.0	17.9	17.7	17.5	17.4	17.2	20.1	26.3	32.4	38.6	44.8
97.5°	21.6	21.5	41.7	61.9	82.0	102.2	110.4	106.6	102.7	98.9	95.1
100°	32.8	35.8	60.7	85.8	110.7	135.7	146.5	143.2	140.0	136.7	133.5
102.5°	139.3	172.5	175.8	179.0	182.3	185.6	186.0	183.6	181.2	178.9	176.4
105°	255.6	254.0	253.1	252.1	251.2	250.3	249.3	248.3	247.1	246.1	245.0
107.5°	317.4	316.6	315.4	314.1	312.9	311.7	310.8	310.2	309.7	309.2	308.6
110°	359.3	358.9	357.8	356.8	355.6	354.6	353.8	353.2	352.7	352.1	351.6



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	399.9	399.9	399.4	398.9	398.4	397.9	397.2	396.2	395.3	394.3	393.3
115°	459.4	459.0	459.2	459.4	459.6	459.7	459.6	459.0	458.5	458.0	457.4
117.5°	520.2	520.2	519.8	519.4	519.0	518.6	518.1	517.4	516.7	515.9	515.2
120°	557.1	556.7	556.8	557.1	557.3	557.4	557.2	556.4	555.7	555.0	554.2
122.5°	594.0	593.8	593.5	593.3	593.0	592.8	592.5	592.0	591.6	591.2	590.7
125°	645.1	644.6	645.0	645.3	645.7	646.0	645.9	645.1	644.4	643.7	642.9
127.5°	696.9	697.0	696.2	695.4	694.6	693.7	693.2	693.0	692.8	692.6	692.4
130°	727.8	727.7	727.1	726.5	726.0	725.5	725.0	724.9	724.7	724.6	724.4
132.5°	758.4	758.2	757.5	756.8	756.2	755.5	755.0	754.6	754.3	754.0	753.7
135°	800.4	800.1	799.3	798.6	797.9	797.1	796.9	797.0	797.3	797.4	797.6
137.5°	840.8	840.4	839.6	838.9	838.0	837.2	836.8	836.7	836.7	836.6	836.5
140°	865.7	865.2	864.8	864.5	864.1	863.7	863.3	863.0	862.7	862.3	861.9
142.5°	889.0	888.6	888.4	888.2	887.9	887.7	887.3	886.6	886.0	885.3	884.7
145°	922.3	922.1	922.1	922.1	922.1	922.1	921.9	921.3	920.8	920.2	919.7
147.5°	951.5	951.3	951.5	951.6	951.8	952.0	951.6	950.6	949.6	948.5	947.5
150°	970.1	970.1	970.4	970.5	970.7	970.9	970.6	969.9	969.1	968.4	967.7
152.5°	986.1	985.8	986.1	986.4	986.8	987.1	986.9	986.3	985.8	985.2	984.6
155°	1007.5	1006.8	1007.3	1007.9	1008.4	1008.9	1009.1	1008.9	1008.8	1008.6	1008.4
157.5°	1026.1	1025.2	1025.8	1026.4	1027.0	1027.6	1028.0	1028.1	1028.2	1028.3	1028.4
160°	1038.0	1036.9	1037.1	1037.2	1037.5	1037.6	1038.0	1038.5	1039.1	1039.6	1040.2
162.5°	1047.7	1046.7	1046.8	1047.0	1047.2	1047.4	1047.8	1048.5	1049.2	1049.9	1050.6
165°	1061.1	1059.6	1059.6	1059.6	1059.6	1059.6	1060.1	1061.0	1061.9	1062.8	1063.7
167.5°	1071.1	1069.4	1069.6	1069.7	1069.8	1069.9	1070.4	1071.4	1072.3	1073.3	1074.2
170°	1077.4	1076.0	1075.8	1075.6	1075.4	1075.2	1075.7	1076.8	1077.8	1079.0	1080.0
172.5°	1081.3	1079.9	1079.7	1079.5	1079.3	1079.1	1079.6	1080.7	1081.7	1082.9	1083.9
175°	1085.7	1084.1	1083.9	1083.8	1083.5	1083.4	1083.9	1084.9	1086.0	1087.1	1088.2
177.5°	1088.0	1086.9	1086.5	1086.3	1086.0	1085.7	1086.1	1087.1	1088.1	1089.1	1090.1
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	792.1	794.4	797.0	801.8	805.8	807.6	811.2	813.8	812.9	816.5	822.6
5°	795.2	803.8	813.7	823.8	835.2	844.7	852.4	860.0	866.0	873.3	884.1
7.5°	794.8	810.0	826.6	844.7	863.5	879.6	894.6	909.9	923.3	938.2	957.5
10°	792.7	813.0	833.6	857.5	881.3	903.8	924.1	943.1	961.2	980.5	1004.9
12.5°	790.4	813.8	838.7	867.3	897.0	924.1	947.9	975.3	997.9	1022.9	1051.2
15°	780.3	811.8	845.7	882.8	918.4	954.8	987.5	1021.2	1052.6	1082.3	1117.9
17.5°	768.8	805.0	845.1	888.9	931.6	975.9	1014.7	1057.1	1089.2	1129.2	1162.2
20°	759.5	798.4	841.2	890.4	939.0	988.1	1030.9	1074.1	1110.3	1150.6	1192.5
22.5°	748.0	790.8	837.2	888.1	939.0	992.7	1040.1	1083.0	1127.8	1173.1	1216.3
25°	729.6	774.0	823.2	879.0	937.3	992.2	1043.0	1096.3	1144.5	1193.7	1232.4
27.5°	707.0	753.7	805.5	863.1	923.0	979.2	1038.9	1095.8	1144.3	1191.6	1225.3
30°	689.0	738.2	788.0	846.4	908.5	968.8	1032.8	1089.6	1140.7	1183.2	1202.2
32.5°	670.5	717.1	768.4	827.5	891.3	956.1	1019.7	1077.7	1124.9	1150.5	1151.0
35°	638.2	682.0	735.3	793.4	858.7	929.1	993.5	1050.6	1079.5	1081.7	1050.6
37.5°	603.1	643.3	693.6	751.7	823.2	893.3	959.0	997.1	1006.8	974.5	917.0
40°	578.0	615.1	663.7	723.3	794.3	866.7	926.6	954.5	944.4	892.0	827.9
42.5°	551.5	586.1	632.9	691.8	763.1	836.2	887.3	902.2	875.3	814.9	739.9
45°	508.5	540.2	586.5	645.9	714.4	782.9	821.6	814.0	769.2	697.6	613.5
47.5°	463.7	494.3	536.0	590.8	661.0	720.2	746.3	723.4	659.7	580.9	512.5
50°	434.0	465.4	503.8	556.1	620.2	677.3	694.1	659.2	588.4	512.7	449.8
52.5°	404.8	431.6	469.2	519.8	581.1	629.3	638.2	598.0	525.0	457.1	401.4
55°	360.4	384.8	416.5	464.1	517.1	558.0	553.3	501.5	435.2	377.2	333.4
57.5°	317.4	335.8	365.1	409.7	456.2	483.7	466.3	422.2	360.4	312.9	276.0
60°	289.0	306.1	333.4	372.4	413.4	428.8	414.3	366.4	317.6	274.1	243.0
62.5°	262.1	277.2	300.7	336.9	369.9	379.1	363.5	321.7	277.7	240.6	214.8
65°	223.0	236.9	257.0	282.7	305.5	309.9	299.8	257.0	223.6	192.6	174.8
67.5°	187.5	196.7	212.3	234.5	246.6	249.2	229.6	202.7	173.3	154.3	140.9
70°	163.7	170.0	184.6	196.7	206.5	206.8	188.7	167.1	144.6	129.1	119.3
72.5°	140.6	146.7	157.8	166.0	173.5	171.0	154.5	137.5	119.3	107.5	100.2
75°	108.5	113.9	119.6	123.4	123.4	120.3	108.2	95.5	85.0	78.0	75.8
77.5°	78.8	83.3	85.2	84.6	83.5	78.5	70.9	62.6	58.9	55.6	53.9
80°	61.9	63.8	64.4	62.8	60.9	55.2	50.1	46.6	43.1	41.9	41.3
82.5°	45.9	47.5	45.9	46.3	42.2	37.4	34.7	33.4	32.0	31.5	30.8
85°	24.5	24.1	23.5	21.9	19.0	18.4	18.1	17.8	17.1	17.4	16.8
87.5°	9.3	8.9	8.3	8.4	8.8	8.6	9.1	9.4	9.7	9.6	10.4
90°	4.4	6.4	8.4	10.4	12.1	13.5	15.0	16.5	17.9	19.0	20.1
92.5°	10.4	10.4	10.6	10.7	11.5	12.9	14.3	15.8	17.3	18.3	19.4
95°	38.6	32.4	26.3	20.1	17.2	17.4	17.5	17.7	17.9	19.0	20.1
97.5°	98.9	102.7	106.6	110.4	102.2	82.0	61.9	41.7	21.5	21.6	21.7
100°	136.7	140.0	143.2	146.5	135.7	110.7	85.8	60.7	35.8	32.8	29.7
102.5°	178.9	181.2	183.6	186.0	185.6	182.3	179.0	175.8	172.5	139.3	106.2
105°	246.1	247.1	248.3	249.3	250.3	251.2	252.1	253.1	254.0	255.6	257.2
107.5°	309.2	309.7	310.2	310.8	311.7	312.9	314.1	315.4	316.6	317.4	318.2
110°	352.1	352.7	353.2	353.8	354.6	355.6	356.8	357.8	358.9	359.3	359.6



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	394.3	395.3	396.2	397.2	397.9	398.4	398.9	399.4	399.9	399.9	399.8
115°	458.0	458.5	459.0	459.6	459.7	459.6	459.4	459.2	459.0	459.4	459.7
117.5°	515.9	516.7	517.4	518.1	518.6	519.0	519.4	519.8	520.2	520.2	520.1
120°	555.0	555.7	556.4	557.2	557.4	557.3	557.1	556.8	556.7	557.1	557.4
122.5°	591.2	591.6	592.0	592.5	592.8	593.0	593.3	593.5	593.8	594.0	594.3
125°	643.7	644.4	645.1	645.9	646.0	645.7	645.3	645.0	644.6	645.1	645.7
127.5°	692.6	692.8	693.0	693.2	693.7	694.6	695.4	696.2	697.0	696.9	696.8
130°	724.6	724.7	724.9	725.0	725.5	726.0	726.5	727.1	727.7	727.8	728.0
132.5°	754.0	754.3	754.6	755.0	755.5	756.2	756.8	757.5	758.2	758.4	758.6
135°	797.4	797.3	797.0	796.9	797.1	797.9	798.6	799.3	800.1	800.4	800.8
137.5°	836.6	836.7	836.7	836.8	837.2	838.0	838.9	839.6	840.4	840.8	841.2
140°	862.3	862.7	863.0	863.3	863.7	864.1	864.5	864.8	865.2	865.7	866.3
142.5°	885.3	886.0	886.6	887.3	887.7	887.9	888.2	888.4	888.6	889.0	889.4
145°	920.2	920.8	921.3	921.9	922.1	922.1	922.1	922.1	922.1	922.3	922.5
147.5°	948.5	949.6	950.6	951.6	952.0	951.8	951.6	951.5	951.3	951.5	951.5
150°	968.4	969.1	969.9	970.6	970.9	970.7	970.5	970.4	970.1	970.1	970.1
152.5°	985.2	985.8	986.3	986.9	987.1	986.8	986.4	986.1	985.8	986.1	986.3
155°	1008.6	1008.8	1008.9	1009.1	1008.9	1008.4	1007.9	1007.3	1006.8	1007.5	1008.2
157.5°	1028.3	1028.2	1028.1	1028.0	1027.6	1027.0	1026.4	1025.8	1025.2	1026.1	1027.0
160°	1039.6	1039.1	1038.5	1038.0	1037.6	1037.5	1037.2	1037.1	1036.9	1038.0	1039.1
162.5°	1049.9	1049.2	1048.5	1047.8	1047.4	1047.2	1047.0	1046.8	1046.7	1047.7	1048.8
165°	1062.8	1061.9	1061.0	1060.1	1059.6	1059.6	1059.6	1059.6	1059.6	1061.1	1062.6
167.5°	1073.3	1072.3	1071.4	1070.4	1069.9	1069.8	1069.7	1069.6	1069.4	1071.1	1072.6
170°	1079.0	1077.8	1076.8	1075.7	1075.2	1075.4	1075.6	1075.8	1076.0	1077.4	1078.9
172.5°	1082.9	1081.7	1080.7	1079.6	1079.1	1079.3	1079.5	1079.7	1079.9	1081.3	1082.8
175°	1087.1	1086.0	1084.9	1083.9	1083.4	1083.5	1083.8	1083.9	1084.1	1085.7	1087.4
177.5°	1089.1	1088.1	1087.1	1086.1	1085.7	1086.0	1086.3	1086.5	1086.9	1088.0	1089.2
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2



TEST NUMBER: P332913-930
 CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	787.3	787.3	787.3	787.3	787.3	787.3	787.3
2.5°	825.9	827.0	827.7	830.2	830.5	832.7	830.5
5°	894.2	898.7	905.6	912.6	913.3	917.7	909.8
7.5°	970.9	981.1	987.6	998.8	1003.3	1006.1	1001.5
10°	1023.7	1033.1	1050.0	1058.3	1066.5	1067.7	1064.0
12.5°	1074.6	1089.7	1103.0	1118.7	1118.3	1129.4	1125.4
15°	1142.6	1158.1	1176.6	1194.0	1200.4	1200.4	1205.4
17.5°	1191.1	1219.6	1238.6	1252.3	1267.3	1269.9	1268.1
20°	1223.8	1254.6	1274.9	1292.7	1302.8	1305.7	1305.7
22.5°	1248.2	1274.4	1294.2	1310.2	1318.6	1321.9	1320.9
25°	1265.1	1287.6	1299.7	1304.4	1306.6	1305.9	1300.0
27.5°	1241.9	1241.0	1233.3	1218.7	1207.8	1201.1	1193.5
30°	1197.8	1181.3	1162.3	1141.3	1114.4	1093.7	1087.4
32.5°	1132.1	1095.0	1062.8	1027.9	998.9	978.3	969.6
35°	1004.9	946.2	898.4	856.5	826.1	807.0	800.6
37.5°	854.1	797.3	738.0	697.4	672.1	652.9	645.7
40°	758.1	696.3	644.6	606.5	580.5	561.8	561.5
42.5°	670.6	611.6	562.9	535.5	507.4	495.0	495.0
45°	549.1	501.8	460.6	439.0	422.2	412.1	409.2
47.5°	454.6	415.6	388.1	370.9	357.2	350.7	346.5
50°	401.6	367.4	345.4	330.5	322.9	314.7	314.1
52.5°	357.4	329.8	312.7	300.6	291.0	286.0	286.2
55°	300.4	278.5	266.4	257.2	249.6	245.8	244.3
57.5°	253.1	236.7	227.9	219.5	216.2	213.2	212.4
60°	223.6	212.5	204.3	197.6	192.9	191.9	191.6
62.5°	199.3	187.7	182.0	176.8	173.3	171.9	171.3
65°	164.3	155.7	150.7	146.6	145.3	143.1	142.8
67.5°	132.5	127.3	124.0	121.2	119.4	119.3	119.3
70°	112.9	110.1	107.2	105.7	104.7	104.0	104.0
72.5°	96.2	94.1	91.7	90.9	90.7	90.1	89.8
75°	73.3	71.1	71.3	69.8	68.5	66.9	66.0
77.5°	51.9	50.4	50.1	49.9	48.8	48.6	49.1
80°	40.3	38.7	38.4	38.7	38.4	37.4	37.4
82.5°	30.7	29.4	29.0	28.8	28.5	28.8	28.3
85°	16.5	15.9	15.9	15.9	16.5	16.1	15.9
87.5°	10.1	10.0	10.4	10.3	10.4	10.1	10.4
90°	21.2	22.3	23.0	23.3	23.7	24.1	24.4
92.5°	20.5	21.6	22.2	22.3	22.3	22.4	22.5
95°	21.2	22.3	22.9	23.1	23.2	23.4	23.6
97.5°	21.9	21.9	22.1	22.3	22.4	22.6	22.8
100°	26.6	23.5	22.1	22.3	22.4	22.6	22.8
102.5°	73.1	39.9	23.3	23.3	23.4	23.4	23.5
105°	258.8	260.4	258.0	251.5	245.0	238.5	232.0
107.5°	319.0	319.8	320.5	321.2	321.9	322.6	323.3
110°	360.0	360.4	360.9	361.3	361.9	362.5	363.0



TEST NUMBER: P332913-930

CATALOG NUMBER: SA4XXRDIP-C575D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	399.7	399.7	400.0	400.6	401.4	402.0	402.7
115°	460.2	460.5	460.6	460.6	460.6	460.6	460.6
117.5°	520.0	519.9	519.9	519.8	519.8	519.7	519.6
120°	557.7	558.2	558.2	557.7	557.4	557.1	556.7
122.5°	594.4	594.7	594.6	594.3	593.9	593.5	593.1
125°	646.2	646.8	647.1	647.3	647.5	647.7	647.8
127.5°	696.7	696.6	696.4	696.3	696.2	696.0	695.9
130°	728.1	728.3	728.5	728.5	728.5	728.5	728.5
132.5°	758.8	759.0	759.0	758.8	758.6	758.6	758.4
135°	801.1	801.5	801.8	802.3	802.6	802.9	803.3
137.5°	841.6	842.0	842.1	842.0	842.0	841.8	841.7
140°	866.8	867.3	867.7	867.9	868.0	868.2	868.5
142.5°	889.8	890.2	890.4	890.5	890.5	890.6	890.6
145°	922.7	922.8	923.2	923.5	923.8	924.2	924.5
147.5°	951.7	951.9	952.0	952.2	952.4	952.6	952.8
150°	970.1	970.1	970.2	970.5	970.6	970.8	970.9
152.5°	986.7	986.9	987.0	986.9	986.8	986.7	986.6
155°	1008.9	1009.7	1009.7	1009.3	1008.7	1008.1	1007.6
157.5°	1028.0	1028.9	1028.9	1028.0	1027.0	1026.1	1025.2
160°	1040.2	1041.2	1041.2	1040.2	1039.1	1038.0	1036.9
162.5°	1049.9	1051.0	1050.9	1049.7	1048.5	1047.3	1046.0
165°	1064.0	1065.4	1065.4	1063.7	1062.1	1060.5	1058.8
167.5°	1074.2	1075.8	1075.7	1073.9	1072.1	1070.2	1068.4
170°	1080.3	1081.7	1081.6	1079.8	1078.0	1076.1	1074.3
172.5°	1084.2	1085.7	1085.4	1083.5	1081.5	1079.5	1077.6
175°	1089.0	1090.6	1090.3	1088.2	1086.0	1083.9	1081.7
177.5°	1090.3	1091.5	1091.2	1089.5	1087.8	1086.0	1084.3
180°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2

(END OF REPORT)