

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: P332889-930

Luminaire Tested: **SA4XXRDIP-C350D1205U930-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332889-930  
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-C350D1205U930-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

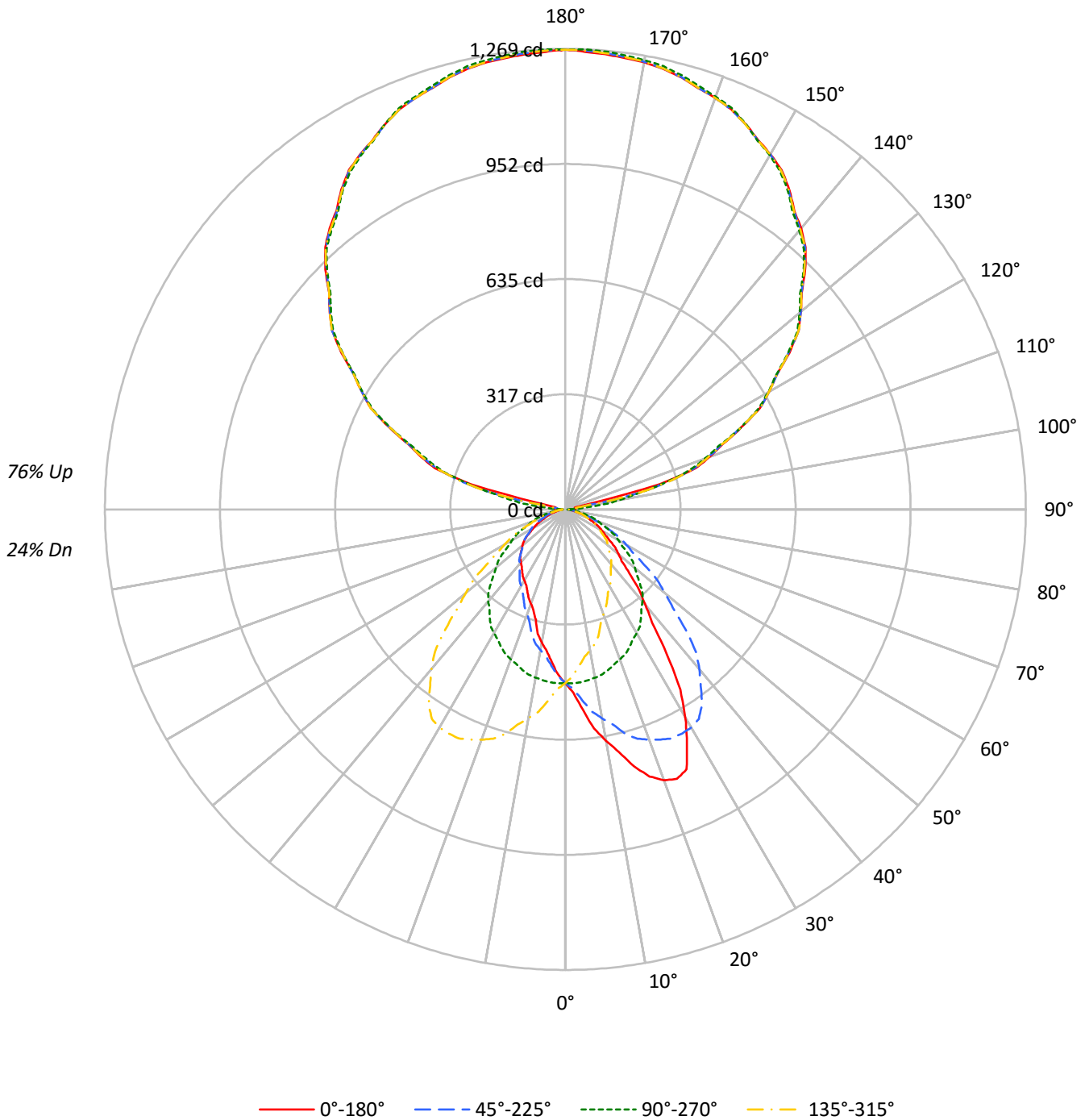
Lumens per Lamp: N/A  
Luminaire Lumens: 5132.2 lumens  
Efficiency: N/A  
Efficacy: 121.6 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 42.2  
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	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	32	32	32	24
1	92	88	84	81	82	78	75	73	60	58	57	44	43	41	28	28	27	20
2	84	77	71	66	74	69	64	60	53	50	47	39	37	35	25	24	23	17
3	77	68	61	55	68	61	55	50	47	43	40	34	32	30	23	21	20	15
4	70	60	53	47	62	54	47	43	42	37	34	31	28	26	20	19	17	13
5	64	53	46	40	57	48	41	36	37	33	29	27	24	22	18	17	15	11
6	59	48	40	35	52	43	36	32	34	29	25	25	22	19	17	15	13	10
7	55	43	35	30	48	39	32	28	30	26	22	23	19	17	15	13	12	9
8	51	39	32	27	45	35	29	24	28	23	20	21	17	15	14	12	11	8
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10	7
10	44	32	25	21	39	29	23	19	23	19	16	17	14	12	12	10	9	7

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

	0°	90°	180°	270°
0°	3866	3866	3866	3866
5°	4485	3878	3428	3878
10°	5305	3861	3059	3861
15°	6128	3825	2629	3825
20°	6823	3776	2377	3776
25°	7044	3728	2207	3728
30°	6166	3669	2105	3669
35°	4800	3582	2042	3582
40°	3599	3483	2009	3483
45°	2842	3323	1991	3323
50°	2399	3141	1934	3141
55°	2090	2939	1830	2939
60°	1881	2729	1621	2729
65°	1658	2502	1394	2502
70°	1494	2268	1256	2268
75°	1251	2009	1070	2009
80°	1055	1715	1004	1715
85°	889	1343	889	1343



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.4	0.9
10°-20°	140.0	2.7
20°-30°	218.9	4.3
30°-40°	243.4	4.7
40°-50°	215.9	4.2
50°-60°	168.3	3.3
60°-70°	110.2	2.1
70°-80°	54.2	1.1
80°-90°	17.0	0.3
90°-100°	43.3	0.8
100°-110°	276.2	5.4
110°-120°	528.4	10.3
120°-130°	670.8	13.1
130°-140°	717.7	14.0
140°-150°	671.1	13.1
150°-160°	541.2	10.5
160°-170°	349.1	6.8
170°-180°	120.3	2.3
0°-30°	405.3	7.9
0°-40°	648.7	12.6
0°-60°	1032.9	20.1
0°-90°	1214.2	23.7
90°-120°	847.9	16.5
90°-150°	2907.4	56.7
90°-180°	3918.0	76.3
0°-180°	5132.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	479	479	479	479	479	
5°	553	478	423	478	553	56
15°	733	458	314	458	733	208
25°	791	418	248	418	791	351
35°	487	364	207	364	487	305
45°	249	291	174	291	249	197
55°	148	209	130	209	148	135
65°	87	131	73	131	87	87
75°	40	64	34	64	40	44
85°	10	14	10	14	10	12
90°	28	3	28	3	28	13
95°	28	52	28	52	28	22
105°	270	285	270	285	270	236
115°	536	532	536	532	536	531
125°	754	748	754	748	754	672
135°	935	928	935	928	935	720
145°	1076	1070	1076	1070	1076	673
155°	1173	1174	1173	1174	1173	541
165°	1232	1238	1232	1238	1232	348
175°	1259	1267	1259	1267	1259	120
180°	1267	1267	1267	1267	1267	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	505.2	506.5	505.2	505.0	503.4	503.0	502.4	500.3	496.7	494.5	495.0
5°	553.4	558.2	555.5	555.1	550.9	546.7	544.0	537.8	531.2	526.8	523.1
7.5°	609.2	612.0	610.3	607.6	600.7	596.8	590.5	582.4	570.6	561.7	553.4
10°	647.2	649.5	648.7	643.7	638.7	628.4	622.6	611.3	596.4	584.7	573.6
12.5°	684.5	687.0	680.2	680.4	670.9	662.8	653.7	639.4	622.2	607.1	593.3
15°	733.2	730.1	730.1	726.3	715.7	704.5	695.0	680.0	658.4	640.3	621.1
17.5°	771.4	772.4	770.9	761.7	753.4	741.8	724.5	706.9	686.9	662.5	643.0
20°	794.2	794.2	792.5	786.3	775.5	763.1	744.4	725.3	699.9	675.3	653.4
22.5°	803.5	804.0	802.0	797.0	787.3	775.2	759.2	739.8	713.5	686.0	658.8
25°	790.8	794.4	794.8	793.4	790.5	783.2	769.5	749.7	726.1	696.2	666.8
27.5°	725.9	730.6	734.7	741.4	750.2	754.8	755.5	745.3	724.8	696.0	666.5
30°	661.5	665.3	677.8	694.2	706.9	718.5	728.6	731.3	719.7	693.9	662.8
32.5°	589.8	595.1	607.6	625.3	646.5	666.1	688.6	700.1	699.8	684.3	655.6
35°	487.0	490.9	502.5	521.0	546.4	575.6	611.3	639.0	657.9	656.6	639.0
37.5°	392.8	397.1	408.8	424.2	448.9	484.9	519.5	557.8	592.7	612.4	606.5
40°	341.5	341.7	353.1	368.9	392.1	423.5	461.1	503.6	542.6	574.5	580.6
42.5°	301.1	301.1	308.7	325.7	342.3	371.9	407.9	450.0	495.7	532.5	548.8
45°	248.9	250.6	256.8	267.0	280.1	305.2	334.0	373.2	424.3	467.9	495.1
47.5°	210.8	213.4	217.3	225.6	236.0	252.7	276.5	311.8	353.4	401.3	440.0
50°	191.0	191.4	196.4	201.1	210.1	223.5	244.3	273.6	311.9	357.9	401.0
52.5°	174.1	174.0	177.0	182.9	190.2	200.6	217.4	244.1	278.0	319.4	363.8
55°	148.5	149.5	151.9	156.5	162.1	169.4	182.7	202.8	229.4	264.7	305.1
57.5°	129.2	129.7	131.5	133.5	138.6	144.0	153.9	167.9	190.3	219.2	256.8
60°	116.5	116.8	117.3	120.2	124.3	129.3	136.1	147.8	166.7	193.1	222.9
62.5°	104.2	104.5	105.4	107.5	110.7	114.1	121.2	130.7	146.3	168.9	195.7
65°	86.8	87.0	88.4	89.1	91.6	94.7	100.0	106.3	117.2	136.1	156.3
67.5°	72.6	72.6	72.6	73.7	75.4	77.5	80.6	85.7	93.8	105.4	123.3
70°	63.3	63.3	63.7	64.2	65.2	66.9	68.7	72.6	78.5	88.0	101.7
72.5°	54.6	54.8	55.2	55.3	55.8	57.2	58.5	61.0	65.4	72.6	83.6
75°	40.1	40.7	41.7	42.5	43.5	43.2	44.6	46.1	47.5	51.7	58.0
77.5°	29.8	29.6	29.7	30.3	30.4	30.7	31.6	32.8	33.8	35.8	38.1
80°	22.7	22.7	23.3	23.6	23.3	23.6	24.5	25.1	25.4	26.3	28.4
82.5°	17.2	17.5	17.4	17.5	17.6	17.9	18.7	18.8	19.2	19.5	20.3
85°	9.6	9.9	10.0	9.6	9.6	9.6	10.0	10.2	10.6	10.4	10.8
87.5°	9.0	8.8	8.9	8.8	8.9	8.6	8.5	8.6	8.0	7.9	7.5
90°	28.5	28.0	27.6	27.1	26.7	25.9	24.6	23.4	22.1	20.9	19.2
92.5°	26.2	26.1	26.0	25.9	25.8	25.1	23.9	22.6	21.4	20.1	18.4
95°	27.5	27.2	27.1	26.8	26.7	25.9	24.6	23.4	22.1	20.9	20.6
97.5°	26.5	26.3	26.1	25.9	25.7	25.5	25.4	25.3	25.1	25.0	48.5
100°	26.5	26.3	26.1	25.9	25.7	27.4	31.0	34.5	38.1	41.7	70.8
102.5°	27.3	27.2	27.2	27.1	27.1	46.4	85.0	123.6	162.2	200.8	204.6
105°	270.0	277.6	285.1	292.7	300.3	303.1	301.3	299.4	297.5	295.5	294.5
107.5°	376.3	375.4	374.7	373.9	373.1	372.2	371.3	370.4	369.4	368.5	367.0
110°	422.5	421.9	421.3	420.6	420.0	419.5	419.1	418.7	418.2	417.8	416.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	468.7	468.0	467.2	466.4	465.5	465.2	465.3	465.4	465.5	465.5	465.0
115°	536.2	536.2	536.2	536.2	536.2	536.0	535.6	535.2	534.8	534.3	534.5
117.5°	604.8	604.9	605.0	605.0	605.1	605.2	605.3	605.4	605.4	605.5	605.1
120°	648.0	648.4	648.8	649.2	649.6	649.6	649.2	648.8	648.4	648.0	648.2
122.5°	690.4	690.8	691.3	691.7	692.1	692.2	691.9	691.7	691.5	691.2	690.9
125°	754.1	753.9	753.7	753.4	753.3	752.8	752.2	751.5	750.9	750.3	750.7
127.5°	810.0	810.2	810.3	810.5	810.7	810.8	810.9	811.1	811.1	811.3	810.3
130°	847.8	847.8	847.8	847.8	847.8	847.7	847.6	847.3	847.1	846.9	846.3
132.5°	882.7	882.9	883.1	883.2	883.4	883.4	883.2	883.0	882.7	882.6	881.7
135°	935.0	934.6	934.2	933.8	933.4	932.9	932.5	932.1	931.6	931.2	930.4
137.5°	979.7	979.8	980.0	980.2	980.2	980.1	979.6	979.2	978.7	978.2	977.3
140°	1010.8	1010.6	1010.4	1010.2	1010.0	1009.6	1008.9	1008.3	1007.6	1007.1	1006.6
142.5°	1036.6	1036.6	1036.5	1036.5	1036.4	1036.2	1035.7	1035.3	1034.8	1034.3	1034.0
145°	1076.2	1075.8	1075.3	1074.9	1074.5	1074.2	1074.0	1073.7	1073.6	1073.3	1073.3
147.5°	1109.0	1108.7	1108.6	1108.3	1108.1	1107.9	1107.7	1107.6	1107.4	1107.3	1107.4
150°	1130.2	1130.0	1129.8	1129.5	1129.4	1129.2	1129.2	1129.2	1129.2	1129.2	1129.4
152.5°	1148.3	1148.5	1148.6	1148.8	1148.8	1148.8	1148.4	1148.1	1147.8	1147.5	1147.8
155°	1172.8	1173.5	1174.0	1174.7	1175.3	1175.3	1174.4	1173.5	1172.7	1171.8	1172.5
157.5°	1193.3	1194.3	1195.5	1196.5	1197.7	1197.7	1196.5	1195.5	1194.3	1193.3	1194.0
160°	1206.9	1208.2	1209.4	1210.7	1211.9	1211.9	1210.7	1209.4	1208.2	1206.9	1207.1
162.5°	1217.5	1219.0	1220.4	1221.8	1223.3	1223.4	1222.1	1220.8	1219.5	1218.3	1218.5
165°	1232.5	1234.4	1236.2	1238.2	1240.1	1240.2	1238.5	1236.8	1235.1	1233.5	1233.5
167.5°	1243.7	1245.8	1247.9	1250.0	1252.1	1252.2	1250.3	1248.5	1246.7	1244.8	1245.0
170°	1250.5	1252.6	1254.7	1256.8	1258.9	1259.1	1257.4	1255.7	1254.1	1252.4	1252.1
172.5°	1254.3	1256.5	1258.8	1261.1	1263.4	1263.6	1262.0	1260.3	1258.6	1256.9	1256.7
175°	1259.0	1261.5	1264.0	1266.6	1269.1	1269.4	1267.5	1265.7	1263.7	1261.8	1261.7
177.5°	1262.1	1264.0	1266.1	1268.1	1270.2	1270.5	1269.1	1267.8	1266.4	1265.1	1264.8
180°	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	493.4	491.3	490.2	487.7	484.8	483.2	481.8	479.8	477.2	474.4	472.5
5°	518.4	513.8	508.0	501.1	495.0	488.9	483.7	478.5	472.5	466.4	460.2
7.5°	544.1	535.1	525.2	513.8	502.8	492.7	483.4	474.6	464.6	455.5	447.4
10°	562.1	549.8	536.1	521.5	507.1	494.6	482.2	471.0	458.7	447.7	438.4
12.5°	576.6	562.1	545.6	527.6	510.1	495.0	480.8	466.2	452.2	440.3	427.9
15°	600.6	580.8	558.6	537.0	514.5	493.7	474.7	457.7	441.6	424.9	413.1
17.5°	617.3	593.6	566.6	540.7	514.0	489.7	467.7	447.4	428.9	411.8	397.8
20°	627.1	601.0	571.1	541.6	511.7	485.7	461.9	439.5	420.4	401.9	387.4
22.5°	632.7	603.8	571.1	540.2	509.2	481.0	455.0	431.7	410.9	392.3	376.3
25°	634.5	603.6	570.2	534.7	500.8	470.8	443.8	418.5	395.3	376.8	359.9
27.5°	631.9	595.6	561.4	525.0	489.9	458.4	430.1	403.5	380.3	360.4	343.0
30°	628.3	589.3	552.6	514.8	479.3	449.0	419.1	393.6	369.5	348.9	331.3
32.5°	620.2	581.6	542.1	503.4	467.4	436.2	407.8	382.2	358.6	337.5	318.8
35°	604.3	565.2	522.4	482.6	447.3	414.8	388.2	363.5	341.0	318.4	298.7
37.5°	583.3	543.4	500.8	457.2	421.8	391.3	366.9	343.6	321.6	301.0	279.2
40°	563.6	527.2	483.1	439.9	403.7	374.1	351.6	330.5	308.3	287.9	266.1
42.5°	539.7	508.7	464.1	420.8	385.0	356.5	335.5	315.0	294.7	274.9	252.2
45°	499.8	476.2	434.6	392.9	356.8	328.6	309.3	291.1	273.5	254.5	233.1
47.5°	454.0	438.1	402.1	359.4	326.0	300.7	282.0	267.2	252.2	233.3	214.5
50°	422.2	412.0	377.2	338.3	306.4	283.1	264.0	250.1	237.5	219.4	202.6
52.5°	388.2	382.8	353.4	316.2	285.4	262.5	246.2	233.7	221.0	205.9	190.3
55°	336.5	339.4	314.5	282.3	253.3	234.1	219.2	208.8	198.0	185.2	173.1
57.5°	283.6	294.2	277.5	249.2	222.1	204.2	193.1	184.3	175.2	164.7	154.3
60°	252.0	260.9	251.4	226.5	202.8	186.2	175.8	169.0	160.0	150.3	142.4
62.5°	221.1	230.6	225.0	204.9	182.9	168.6	159.4	153.1	146.3	137.9	129.7
65°	182.4	188.5	185.8	171.9	156.3	144.1	135.7	131.0	124.8	118.7	111.4
67.5°	139.7	151.6	150.0	142.6	129.1	119.6	114.1	110.0	104.4	99.8	94.8
70°	114.8	125.8	125.6	119.6	112.3	103.5	99.5	96.1	91.1	86.7	82.6
72.5°	94.0	104.0	105.6	100.9	96.0	89.2	85.5	83.2	78.3	75.3	71.9
75°	65.8	73.1	75.1	75.1	72.7	69.3	66.0	64.4	61.0	58.3	56.3
77.5°	43.1	47.8	50.8	51.4	51.9	50.6	47.9	46.9	44.2	43.3	41.4
80°	30.5	33.6	37.0	38.2	39.1	38.8	37.7	36.9	34.3	33.3	32.6
82.5°	21.0	22.7	25.6	28.2	27.9	28.9	27.9	27.3	25.4	25.0	24.3
85°	11.0	11.2	11.6	13.3	14.3	14.7	14.8	14.5	13.9	13.9	12.6
87.5°	7.2	6.7	6.7	6.3	6.0	6.1	6.1	5.8	5.8	5.8	5.8
90°	17.4	15.8	14.1	12.1	9.8	7.5	5.1	2.9	5.1	7.5	9.8
92.5°	16.7	15.0	13.4	12.5	12.3	12.2	12.1	11.9	12.1	12.2	12.3
95°	20.4	20.2	20.0	23.5	30.7	37.7	44.9	52.1	44.9	37.7	30.7
97.5°	72.0	95.5	119.0	128.5	124.0	119.6	115.1	110.6	115.1	119.6	124.0
100°	99.8	128.8	157.9	170.6	166.7	163.0	159.1	155.4	159.1	163.0	166.7
102.5°	208.4	212.2	216.0	216.5	213.7	210.9	208.1	205.4	208.1	210.9	213.7
105°	293.4	292.4	291.4	290.2	288.9	287.6	286.4	285.1	286.4	287.6	288.9
107.5°	365.7	364.2	362.8	361.7	361.1	360.5	359.9	359.2	359.9	360.5	361.1
110°	415.2	414.0	412.7	411.8	411.2	410.5	409.9	409.3	409.9	410.5	411.2





TEST NUMBER: P332889-930

CATALOG NUMBER: SA4XXRDIP-C350D1205U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	464.3	463.7	463.2	462.3	461.1	460.0	458.9	457.8	458.9	460.0	461.1
115°	534.8	534.9	535.2	534.9	534.3	533.7	533.0	532.4	533.0	533.7	534.3
117.5°	604.6	604.1	603.6	603.0	602.2	601.4	600.5	599.7	600.5	601.4	602.2
120°	648.4	648.7	648.8	648.5	647.7	646.9	646.0	645.1	646.0	646.9	647.7
122.5°	690.6	690.3	690.0	689.6	689.1	688.6	688.1	687.5	688.1	688.6	689.1
125°	751.1	751.5	752.0	751.8	750.9	750.1	749.3	748.4	749.3	750.1	750.9
127.5°	809.3	808.4	807.4	806.8	806.7	806.4	806.2	806.0	806.2	806.4	806.7
130°	845.6	845.1	844.4	844.0	843.8	843.6	843.3	843.1	843.3	843.6	843.8
132.5°	880.9	880.1	879.4	878.7	878.4	878.0	877.6	877.3	877.6	878.0	878.4
135°	929.5	928.7	927.9	927.6	927.7	928.0	928.2	928.4	928.2	928.0	927.7
137.5°	976.4	975.4	974.5	974.0	974.0	973.9	973.8	973.7	973.8	973.9	974.0
140°	1006.2	1005.8	1005.3	1004.9	1004.5	1004.0	1003.6	1003.2	1003.6	1004.0	1004.5
142.5°	1033.8	1033.6	1033.3	1032.8	1032.0	1031.3	1030.5	1029.7	1030.5	1031.3	1032.0
145°	1073.3	1073.3	1073.3	1073.0	1072.4	1071.8	1071.1	1070.5	1071.1	1071.8	1072.4
147.5°	1107.7	1107.9	1108.1	1107.6	1106.4	1105.2	1104.1	1102.9	1104.1	1105.2	1106.4
150°	1129.7	1129.8	1130.1	1129.8	1128.9	1128.0	1127.2	1126.4	1127.2	1128.0	1128.9
152.5°	1148.2	1148.6	1148.9	1148.8	1148.1	1147.5	1146.8	1146.1	1146.8	1147.5	1148.1
155°	1173.1	1173.8	1174.4	1174.6	1174.4	1174.2	1173.9	1173.8	1173.9	1174.2	1174.4
157.5°	1194.7	1195.4	1196.1	1196.5	1196.7	1196.8	1196.9	1197.0	1196.9	1196.8	1196.7
160°	1207.3	1207.5	1207.8	1208.2	1208.8	1209.4	1210.1	1210.7	1210.1	1209.4	1208.8
162.5°	1218.7	1218.9	1219.1	1219.6	1220.4	1221.2	1222.1	1222.8	1222.1	1221.2	1220.4
165°	1233.5	1233.5	1233.5	1234.0	1235.0	1236.1	1237.1	1238.2	1237.1	1236.1	1235.0
167.5°	1245.0	1245.2	1245.3	1245.9	1247.0	1248.1	1249.2	1250.3	1249.2	1248.1	1247.0
170°	1252.0	1251.7	1251.6	1252.1	1253.4	1254.6	1255.9	1257.1	1255.9	1254.6	1253.4
172.5°	1256.5	1256.3	1256.1	1256.6	1257.8	1259.1	1260.4	1261.7	1260.4	1259.1	1257.8
175°	1261.4	1261.2	1261.0	1261.5	1262.8	1264.0	1265.3	1266.6	1265.3	1264.0	1262.8
177.5°	1264.4	1264.0	1263.7	1264.1	1265.3	1266.5	1267.7	1268.9	1267.7	1266.5	1265.3
180°	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6



TEST NUMBER: P332889-930

CATALOG NUMBER: SA4XXRDIP-C350D1205U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	470.3	468.7	466.8	464.4	461.6	459.2	458.0	459.0	459.5	458.2	458.0
5°	455.9	451.1	447.3	441.5	436.8	433.0	430.3	429.1	429.5	426.4	425.7
7.5°	439.9	434.1	427.8	420.9	414.6	408.9	405.9	404.3	401.0	399.6	397.2
10°	429.5	421.8	415.6	407.5	400.1	393.5	390.1	387.4	384.2	382.6	379.4
12.5°	418.9	409.9	403.1	394.7	387.2	379.1	375.9	371.0	365.8	362.6	358.3
15°	403.8	393.1	384.7	374.7	365.8	356.6	348.3	339.0	335.6	328.2	324.0
17.5°	386.3	375.4	365.1	351.6	337.9	326.4	317.6	308.7	303.4	298.7	296.5
20°	374.7	364.7	350.4	334.8	319.5	306.8	299.6	293.8	288.0	284.8	282.5
22.5°	363.8	350.9	334.4	317.5	302.2	292.3	286.3	280.3	275.6	272.5	269.4
25°	345.4	328.6	311.0	291.7	281.4	272.6	266.1	261.2	258.4	254.3	252.7
27.5°	326.5	306.1	286.8	273.9	263.0	255.0	249.3	245.7	242.1	239.5	237.4
30°	312.0	291.4	274.0	261.6	250.6	244.1	239.5	235.2	232.3	230.2	228.7
32.5°	297.7	277.0	262.4	249.2	240.4	234.1	229.1	225.9	223.6	220.9	220.0
35°	276.9	258.5	245.8	233.8	225.0	219.2	215.3	212.1	210.1	209.4	208.8
37.5°	256.9	241.9	228.2	218.4	210.5	205.9	201.4	199.7	198.4	197.1	197.7
40°	244.3	230.2	218.0	207.7	201.2	196.2	193.6	191.6	190.5	190.5	190.5
42.5°	233.3	219.6	207.7	198.4	192.0	187.8	184.7	183.1	182.7	182.5	183.5
45°	216.3	203.6	191.6	183.8	178.5	174.2	172.5	171.1	171.1	171.9	172.1
47.5°	199.4	187.5	177.9	169.3	164.3	161.7	160.1	159.5	159.6	160.3	161.2
50°	189.1	177.3	167.9	160.1	155.6	153.0	151.6	151.2	151.6	151.6	153.0
52.5°	177.8	167.3	158.0	151.5	146.3	143.9	143.2	142.6	142.8	143.5	144.1
55°	161.3	151.9	143.0	136.8	133.0	131.4	129.6	129.9	129.5	129.9	129.9
57.5°	144.7	136.2	128.0	123.1	119.7	117.5	115.6	116.1	115.5	115.4	115.1
60°	134.1	124.8	118.3	113.8	110.0	108.0	106.3	106.7	106.2	105.7	104.9
62.5°	122.5	114.8	108.5	104.3	101.2	99.0	97.2	96.9	95.5	94.2	92.5
65°	105.7	99.4	93.8	89.8	86.8	85.1	83.7	82.6	79.7	76.6	75.1
67.5°	89.4	84.8	79.6	76.1	73.8	71.6	69.0	67.0	64.3	62.6	61.6
70°	78.9	74.5	70.0	66.8	64.2	62.1	59.3	57.9	55.9	55.2	54.2
72.5°	68.9	64.7	60.7	57.6	55.0	53.3	51.0	49.7	48.8	48.5	47.6
75°	53.6	50.4	47.3	44.6	42.5	41.3	40.4	39.4	39.0	37.3	36.3
77.5°	39.1	36.9	35.1	33.1	31.6	30.8	28.9	27.9	27.2	26.4	26.2
80°	30.5	28.9	27.0	25.8	23.7	23.0	22.2	22.0	21.8	21.6	21.4
82.5°	22.9	21.4	19.5	18.8	18.2	17.7	17.3	17.0	16.9	17.0	17.0
85°	11.6	10.8	10.8	10.6	10.4	10.2	10.0	10.0	9.9	10.0	9.9
87.5°	6.3	6.5	6.8	6.9	7.4	7.7	7.8	8.1	8.5	8.4	8.6
90°	12.1	14.1	15.8	17.4	19.2	20.9	22.1	23.4	24.6	25.9	26.7
92.5°	12.5	13.4	15.0	16.7	18.4	20.1	21.4	22.6	23.9	25.1	25.8
95°	23.5	20.0	20.2	20.4	20.6	20.9	22.1	23.4	24.6	25.9	26.7
97.5°	128.5	119.0	95.5	72.0	48.5	25.0	25.1	25.3	25.4	25.5	25.7
100°	170.6	157.9	128.8	99.8	70.8	41.7	38.1	34.5	31.0	27.4	25.7
102.5°	216.5	216.0	212.2	208.4	204.6	200.8	162.2	123.6	85.0	46.4	27.1
105°	290.2	291.4	292.4	293.4	294.5	295.5	297.5	299.4	301.3	303.1	300.3
107.5°	361.7	362.8	364.2	365.7	367.0	368.5	369.4	370.4	371.3	372.2	373.1
110°	411.8	412.7	414.0	415.2	416.5	417.8	418.2	418.7	419.1	419.5	420.0



TEST NUMBER: P332889-930  
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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	462.3	463.2	463.7	464.3	465.0	465.5	465.5	465.4	465.3	465.2	465.5
115°	534.9	535.2	534.9	534.8	534.5	534.3	534.8	535.2	535.6	536.0	536.2
117.5°	603.0	603.6	604.1	604.6	605.1	605.5	605.4	605.4	605.3	605.2	605.1
120°	648.5	648.8	648.7	648.4	648.2	648.0	648.4	648.8	649.2	649.6	649.6
122.5°	689.6	690.0	690.3	690.6	690.9	691.2	691.5	691.7	691.9	692.2	692.1
125°	751.8	752.0	751.5	751.1	750.7	750.3	750.9	751.5	752.2	752.8	753.3
127.5°	806.8	807.4	808.4	809.3	810.3	811.3	811.1	811.1	810.9	810.8	810.7
130°	844.0	844.4	845.1	845.6	846.3	846.9	847.1	847.3	847.6	847.7	847.8
132.5°	878.7	879.4	880.1	880.9	881.7	882.6	882.7	883.0	883.2	883.4	883.4
135°	927.6	927.9	928.7	929.5	930.4	931.2	931.6	932.1	932.5	932.9	933.4
137.5°	974.0	974.5	975.4	976.4	977.3	978.2	978.7	979.2	979.6	980.1	980.2
140°	1004.9	1005.3	1005.8	1006.2	1006.6	1007.1	1007.6	1008.3	1008.9	1009.6	1010.0
142.5°	1032.8	1033.3	1033.6	1033.8	1034.0	1034.3	1034.8	1035.3	1035.7	1036.2	1036.4
145°	1073.0	1073.3	1073.3	1073.3	1073.3	1073.3	1073.6	1073.7	1074.0	1074.2	1074.5
147.5°	1107.6	1108.1	1107.9	1107.7	1107.4	1107.3	1107.4	1107.6	1107.7	1107.9	1108.1
150°	1129.8	1130.1	1129.8	1129.7	1129.4	1129.2	1129.2	1129.2	1129.2	1129.2	1129.4
152.5°	1148.8	1148.9	1148.6	1148.2	1147.8	1147.5	1147.8	1148.1	1148.4	1148.8	1148.8
155°	1174.6	1174.4	1173.8	1173.1	1172.5	1171.8	1172.7	1173.5	1174.4	1175.3	1175.3
157.5°	1196.5	1196.1	1195.4	1194.7	1194.0	1193.3	1194.3	1195.5	1196.5	1197.7	1197.7
160°	1208.2	1207.8	1207.5	1207.3	1207.1	1206.9	1208.2	1209.4	1210.7	1211.9	1211.9
162.5°	1219.6	1219.1	1218.9	1218.7	1218.5	1218.3	1219.5	1220.8	1222.1	1223.4	1223.3
165°	1234.0	1233.5	1233.5	1233.5	1233.5	1233.5	1235.1	1236.8	1238.5	1240.2	1240.1
167.5°	1245.9	1245.3	1245.2	1245.0	1245.0	1244.8	1246.7	1248.5	1250.3	1252.2	1252.1
170°	1252.1	1251.6	1251.7	1252.0	1252.1	1252.4	1254.1	1255.7	1257.4	1259.1	1258.9
172.5°	1256.6	1256.1	1256.3	1256.5	1256.7	1256.9	1258.6	1260.3	1262.0	1263.6	1263.4
175°	1261.5	1261.0	1261.2	1261.4	1261.7	1261.8	1263.7	1265.7	1267.5	1269.4	1269.1
177.5°	1264.1	1263.7	1264.0	1264.4	1264.8	1265.1	1266.4	1267.8	1269.1	1270.5	1270.2
180°	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6



TEST NUMBER: P332889-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	457.1	457.5	456.4	456.1	456.4	457.5	457.1	458.0	458.2	459.5	459.0
5°	424.1	423.7	422.7	423.0	422.7	423.7	424.1	425.7	426.4	429.5	429.1
7.5°	395.8	394.4	394.8	393.2	394.8	394.4	395.8	397.2	399.6	401.0	404.3
10°	378.5	376.4	374.7	373.2	374.7	376.4	378.5	379.4	382.6	384.2	387.4
12.5°	355.0	353.1	350.8	351.2	350.8	353.1	355.0	358.3	362.6	365.8	371.0
15°	321.5	318.5	314.0	314.5	314.0	318.5	321.5	324.0	328.2	335.6	339.0
17.5°	293.1	293.1	291.0	291.6	291.0	293.1	293.1	296.5	298.7	303.4	308.7
20°	278.4	277.1	277.3	276.7	277.3	277.1	278.4	282.5	284.8	288.0	293.8
22.5°	268.2	266.6	265.2	264.1	265.2	266.6	268.2	269.4	272.5	275.6	280.3
25°	251.0	249.9	248.2	247.8	248.2	249.9	251.0	252.7	254.3	258.4	261.2
27.5°	235.9	235.7	235.0	234.1	235.0	235.7	235.9	237.4	239.5	242.1	245.7
30°	227.1	226.7	226.3	225.8	226.3	226.7	227.1	228.7	230.2	232.3	235.2
32.5°	219.2	219.0	218.6	218.7	218.6	219.0	219.2	220.0	220.9	223.6	225.9
35°	208.0	207.8	207.4	207.2	207.4	207.8	208.0	208.8	209.4	210.1	212.1
37.5°	197.5	198.0	197.8	197.7	197.8	198.0	197.5	197.7	197.1	198.4	199.7
40°	190.3	190.5	190.9	190.6	190.9	190.5	190.3	190.5	190.5	190.5	191.6
42.5°	184.3	184.3	184.8	184.2	184.8	184.3	184.3	183.5	182.5	182.7	183.1
45°	173.5	174.6	174.4	174.4	174.4	174.6	173.5	172.1	171.9	171.1	171.1
47.5°	161.7	162.7	163.0	162.9	163.0	162.7	161.7	161.2	160.3	159.6	159.5
50°	154.0	153.6	154.2	154.0	154.2	153.6	154.0	153.0	151.6	151.6	151.2
52.5°	144.6	144.6	144.6	144.4	144.6	144.6	144.6	144.1	143.5	142.8	142.6
55°	130.0	130.3	129.9	130.0	129.9	130.3	130.0	129.9	129.9	129.5	129.9
57.5°	114.3	113.4	113.7	113.3	113.7	113.4	114.3	115.1	115.4	115.5	116.1
60°	103.1	101.5	101.1	100.4	101.1	101.5	103.1	104.9	105.7	106.2	106.7
62.5°	90.4	89.3	88.0	88.6	88.0	89.3	90.4	92.5	94.2	95.5	96.9
65°	73.5	72.7	72.2	73.0	72.2	72.7	73.5	75.1	76.6	79.7	82.6
67.5°	60.8	60.4	60.4	60.1	60.4	60.4	60.8	61.6	62.6	64.3	67.0
70°	54.2	53.6	53.6	53.2	53.6	53.6	54.2	54.2	55.2	55.9	57.9
72.5°	47.5	46.9	47.0	46.8	47.0	46.9	47.5	47.6	48.5	48.8	49.7
75°	35.1	34.2	34.2	34.3	34.2	34.2	35.1	36.3	37.3	39.0	39.4
77.5°	26.2	26.0	26.3	25.9	26.3	26.0	26.2	26.2	26.4	27.2	27.9
80°	21.4	21.2	21.0	21.6	21.0	21.2	21.4	21.4	21.6	21.8	22.0
82.5°	16.6	16.6	16.6	17.3	16.6	16.6	16.6	17.0	17.0	16.9	17.0
85°	10.0	9.6	10.0	9.6	10.0	9.6	10.0	9.9	10.0	9.9	10.0
87.5°	9.0	8.9	8.8	9.0	8.8	8.9	9.0	8.6	8.4	8.5	8.1
90°	27.1	27.6	28.0	28.5	28.0	27.6	27.1	26.7	25.9	24.6	23.4
92.5°	25.9	26.0	26.1	26.2	26.1	26.0	25.9	25.8	25.1	23.9	22.6
95°	26.8	27.1	27.2	27.5	27.2	27.1	26.8	26.7	25.9	24.6	23.4
97.5°	25.9	26.1	26.3	26.5	26.3	26.1	25.9	25.7	25.5	25.4	25.3
100°	25.9	26.1	26.3	26.5	26.3	26.1	25.9	25.7	27.4	31.0	34.5
102.5°	27.1	27.2	27.2	27.3	27.2	27.2	27.1	27.1	46.4	85.0	123.6
105°	292.7	285.1	277.6	270.0	277.6	285.1	292.7	300.3	303.1	301.3	299.4
107.5°	373.9	374.7	375.4	376.3	375.4	374.7	373.9	373.1	372.2	371.3	370.4
110°	420.6	421.3	421.9	422.5	421.9	421.3	420.6	420.0	419.5	419.1	418.7



TEST NUMBER: P332889-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	466.4	467.2	468.0	468.7	468.0	467.2	466.4	465.5	465.2	465.3	465.4
115°	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.0	535.6	535.2
117.5°	605.0	605.0	604.9	604.8	604.9	605.0	605.0	605.1	605.2	605.3	605.4
120°	649.2	648.8	648.4	648.0	648.4	648.8	649.2	649.6	649.6	649.2	648.8
122.5°	691.7	691.3	690.8	690.4	690.8	691.3	691.7	692.1	692.2	691.9	691.7
125°	753.4	753.7	753.9	754.1	753.9	753.7	753.4	753.3	752.8	752.2	751.5
127.5°	810.5	810.3	810.2	810.0	810.2	810.3	810.5	810.7	810.8	810.9	811.1
130°	847.8	847.8	847.8	847.8	847.8	847.8	847.8	847.8	847.7	847.6	847.3
132.5°	883.2	883.1	882.9	882.7	882.9	883.1	883.2	883.4	883.4	883.2	883.0
135°	933.8	934.2	934.6	935.0	934.6	934.2	933.8	933.4	932.9	932.5	932.1
137.5°	980.2	980.0	979.8	979.7	979.8	980.0	980.2	980.2	980.1	979.6	979.2
140°	1010.2	1010.4	1010.6	1010.8	1010.6	1010.4	1010.2	1010.0	1009.6	1008.9	1008.3
142.5°	1036.5	1036.5	1036.6	1036.6	1036.6	1036.5	1036.5	1036.4	1036.2	1035.7	1035.3
145°	1074.9	1075.3	1075.8	1076.2	1075.8	1075.3	1074.9	1074.5	1074.2	1074.0	1073.7
147.5°	1108.3	1108.6	1108.7	1109.0	1108.7	1108.6	1108.3	1108.1	1107.9	1107.7	1107.6
150°	1129.5	1129.8	1130.0	1130.2	1130.0	1129.8	1129.5	1129.4	1129.2	1129.2	1129.2
152.5°	1148.8	1148.6	1148.5	1148.3	1148.5	1148.6	1148.8	1148.8	1148.8	1148.4	1148.1
155°	1174.7	1174.0	1173.5	1172.8	1173.5	1174.0	1174.7	1175.3	1175.3	1174.4	1173.5
157.5°	1196.5	1195.5	1194.3	1193.3	1194.3	1195.5	1196.5	1197.7	1197.7	1196.5	1195.5
160°	1210.7	1209.4	1208.2	1206.9	1208.2	1209.4	1210.7	1211.9	1211.9	1210.7	1209.4
162.5°	1221.8	1220.4	1219.0	1217.5	1219.0	1220.4	1221.8	1223.3	1223.4	1222.1	1220.8
165°	1238.2	1236.2	1234.4	1232.5	1234.4	1236.2	1238.2	1240.1	1240.2	1238.5	1236.8
167.5°	1250.0	1247.9	1245.8	1243.7	1245.8	1247.9	1250.0	1252.1	1252.2	1250.3	1248.5
170°	1256.8	1254.7	1252.6	1250.5	1252.6	1254.7	1256.8	1258.9	1259.1	1257.4	1255.7
172.5°	1261.1	1258.8	1256.5	1254.3	1256.5	1258.8	1261.1	1263.4	1263.6	1262.0	1260.3
175°	1266.6	1264.0	1261.5	1259.0	1261.5	1264.0	1266.6	1269.1	1269.4	1267.5	1265.7
177.5°	1268.1	1266.1	1264.0	1262.1	1264.0	1266.1	1268.1	1270.2	1270.5	1269.1	1267.8
180°	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6



TEST NUMBER: P332889-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	458.0	459.2	461.6	464.4	466.8	468.7	470.3	472.5	474.4	477.2	479.8
5°	430.3	433.0	436.8	441.5	447.3	451.1	455.9	460.2	466.4	472.5	478.5
7.5°	405.9	408.9	414.6	420.9	427.8	434.1	439.9	447.4	455.5	464.6	474.6
10°	390.1	393.5	400.1	407.5	415.6	421.8	429.5	438.4	447.7	458.7	471.0
12.5°	375.9	379.1	387.2	394.7	403.1	409.9	418.9	427.9	440.3	452.2	466.2
15°	348.3	356.6	365.8	374.7	384.7	393.1	403.8	413.1	424.9	441.6	457.7
17.5°	317.6	326.4	337.9	351.6	365.1	375.4	386.3	397.8	411.8	428.9	447.4
20°	299.6	306.8	319.5	334.8	350.4	364.7	374.7	387.4	401.9	420.4	439.5
22.5°	286.3	292.3	302.2	317.5	334.4	350.9	363.8	376.3	392.3	410.9	431.7
25°	266.1	272.6	281.4	291.7	311.0	328.6	345.4	359.9	376.8	395.3	418.5
27.5°	249.3	255.0	263.0	273.9	286.8	306.1	326.5	343.0	360.4	380.3	403.5
30°	239.5	244.1	250.6	261.6	274.0	291.4	312.0	331.3	348.9	369.5	393.6
32.5°	229.1	234.1	240.4	249.2	262.4	277.0	297.7	318.8	337.5	358.6	382.2
35°	215.3	219.2	225.0	233.8	245.8	258.5	276.9	298.7	318.4	341.0	363.5
37.5°	201.4	205.9	210.5	218.4	228.2	241.9	256.9	279.2	301.0	321.6	343.6
40°	193.6	196.2	201.2	207.7	218.0	230.2	244.3	266.1	287.9	308.3	330.5
42.5°	184.7	187.8	192.0	198.4	207.7	219.6	233.3	252.2	274.9	294.7	315.0
45°	172.5	174.2	178.5	183.8	191.6	203.6	216.3	233.1	254.5	273.5	291.1
47.5°	160.1	161.7	164.3	169.3	177.9	187.5	199.4	214.5	233.3	252.2	267.2
50°	151.6	153.0	155.6	160.1	167.9	177.3	189.1	202.6	219.4	237.5	250.1
52.5°	143.2	143.9	146.3	151.5	158.0	167.3	177.8	190.3	205.9	221.0	233.7
55°	129.6	131.4	133.0	136.8	143.0	151.9	161.3	173.1	185.2	198.0	208.8
57.5°	115.6	117.5	119.7	123.1	128.0	136.2	144.7	154.3	164.7	175.2	184.3
60°	106.3	108.0	110.0	113.8	118.3	124.8	134.1	142.4	150.3	160.0	169.0
62.5°	97.2	99.0	101.2	104.3	108.5	114.8	122.5	129.7	137.9	146.3	153.1
65°	83.7	85.1	86.8	89.8	93.8	99.4	105.7	111.4	118.7	124.8	131.0
67.5°	69.0	71.6	73.8	76.1	79.6	84.8	89.4	94.8	99.8	104.4	110.0
70°	59.3	62.1	64.2	66.8	70.0	74.5	78.9	82.6	86.7	91.1	96.1
72.5°	51.0	53.3	55.0	57.6	60.7	64.7	68.9	71.9	75.3	78.3	83.2
75°	40.4	41.3	42.5	44.6	47.3	50.4	53.6	56.3	58.3	61.0	64.4
77.5°	28.9	30.8	31.6	33.1	35.1	36.9	39.1	41.4	43.3	44.2	46.9
80°	22.2	23.0	23.7	25.8	27.0	28.9	30.5	32.6	33.3	34.3	36.9
82.5°	17.3	17.7	18.2	18.8	19.5	21.4	22.9	24.3	25.0	25.4	27.3
85°	10.0	10.2	10.4	10.6	10.8	10.8	11.6	12.6	13.9	13.9	14.5
87.5°	7.8	7.7	7.4	6.9	6.8	6.5	6.3	5.8	5.8	5.8	5.8
90°	22.1	20.9	19.2	17.4	15.8	14.1	12.1	9.8	7.5	5.1	2.9
92.5°	21.4	20.1	18.4	16.7	15.0	13.4	12.5	12.3	12.2	12.1	11.9
95°	22.1	20.9	20.6	20.4	20.2	20.0	23.5	30.7	37.7	44.9	52.1
97.5°	25.1	25.0	48.5	72.0	95.5	119.0	128.5	124.0	119.6	115.1	110.6
100°	38.1	41.7	70.8	99.8	128.8	157.9	170.6	166.7	163.0	159.1	155.4
102.5°	162.2	200.8	204.6	208.4	212.2	216.0	216.5	213.7	210.9	208.1	205.4
105°	297.5	295.5	294.5	293.4	292.4	291.4	290.2	288.9	287.6	286.4	285.1
107.5°	369.4	368.5	367.0	365.7	364.2	362.8	361.7	361.1	360.5	359.9	359.2
110°	418.2	417.8	416.5	415.2	414.0	412.7	411.8	411.2	410.5	409.9	409.3



TEST NUMBER: P332889-930

CATALOG NUMBER: SA4XXRDIP-C350D1205U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	465.5	465.5	465.0	464.3	463.7	463.2	462.3	461.1	460.0	458.9	457.8
115°	534.8	534.3	534.5	534.8	534.9	535.2	534.9	534.3	533.7	533.0	532.4
117.5°	605.4	605.5	605.1	604.6	604.1	603.6	603.0	602.2	601.4	600.5	599.7
120°	648.4	648.0	648.2	648.4	648.7	648.8	648.5	647.7	646.9	646.0	645.1
122.5°	691.5	691.2	690.9	690.6	690.3	690.0	689.6	689.1	688.6	688.1	687.5
125°	750.9	750.3	750.7	751.1	751.5	752.0	751.8	750.9	750.1	749.3	748.4
127.5°	811.1	811.3	810.3	809.3	808.4	807.4	806.8	806.7	806.4	806.2	806.0
130°	847.1	846.9	846.3	845.6	845.1	844.4	844.0	843.8	843.6	843.3	843.1
132.5°	882.7	882.6	881.7	880.9	880.1	879.4	878.7	878.4	878.0	877.6	877.3
135°	931.6	931.2	930.4	929.5	928.7	927.9	927.6	927.7	928.0	928.2	928.4
137.5°	978.7	978.2	977.3	976.4	975.4	974.5	974.0	974.0	973.9	973.8	973.7
140°	1007.6	1007.1	1006.6	1006.2	1005.8	1005.3	1004.9	1004.5	1004.0	1003.6	1003.2
142.5°	1034.8	1034.3	1034.0	1033.8	1033.6	1033.3	1032.8	1032.0	1031.3	1030.5	1029.7
145°	1073.6	1073.3	1073.3	1073.3	1073.3	1073.3	1073.0	1072.4	1071.8	1071.1	1070.5
147.5°	1107.4	1107.3	1107.4	1107.7	1107.9	1108.1	1107.6	1106.4	1105.2	1104.1	1102.9
150°	1129.2	1129.2	1129.4	1129.7	1129.8	1130.1	1129.8	1128.9	1128.0	1127.2	1126.4
152.5°	1147.8	1147.5	1147.8	1148.2	1148.6	1148.9	1148.8	1148.1	1147.5	1146.8	1146.1
155°	1172.7	1171.8	1172.5	1173.1	1173.8	1174.4	1174.6	1174.4	1174.2	1173.9	1173.8
157.5°	1194.3	1193.3	1194.0	1194.7	1195.4	1196.1	1196.5	1196.7	1196.8	1196.9	1197.0
160°	1208.2	1206.9	1207.1	1207.3	1207.5	1207.8	1208.2	1208.8	1209.4	1210.1	1210.7
162.5°	1219.5	1218.3	1218.5	1218.7	1218.9	1219.1	1219.6	1220.4	1221.2	1222.1	1222.8
165°	1235.1	1233.5	1233.5	1233.5	1233.5	1233.5	1234.0	1235.0	1236.1	1237.1	1238.2
167.5°	1246.7	1244.8	1245.0	1245.0	1245.2	1245.3	1245.9	1247.0	1248.1	1249.2	1250.3
170°	1254.1	1252.4	1252.1	1252.0	1251.7	1251.6	1252.1	1253.4	1254.6	1255.9	1257.1
172.5°	1258.6	1256.9	1256.7	1256.5	1256.3	1256.1	1256.6	1257.8	1259.1	1260.4	1261.7
175°	1263.7	1261.8	1261.7	1261.4	1261.2	1261.0	1261.5	1262.8	1264.0	1265.3	1266.6
177.5°	1266.4	1265.1	1264.8	1264.4	1264.0	1263.7	1264.1	1265.3	1266.5	1267.7	1268.9
180°	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6



TEST NUMBER: P332889-930

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	481.8	483.2	484.8	487.7	490.2	491.3	493.4	495.0	494.5	496.7	500.3
5°	483.7	488.9	495.0	501.1	508.0	513.8	518.4	523.1	526.8	531.2	537.8
7.5°	483.4	492.7	502.8	513.8	525.2	535.1	544.1	553.4	561.7	570.6	582.4
10°	482.2	494.6	507.1	521.5	536.1	549.8	562.1	573.6	584.7	596.4	611.3
12.5°	480.8	495.0	510.1	527.6	545.6	562.1	576.6	593.3	607.1	622.2	639.4
15°	474.7	493.7	514.5	537.0	558.6	580.8	600.6	621.1	640.3	658.4	680.0
17.5°	467.7	489.7	514.0	540.7	566.6	593.6	617.3	643.0	662.5	686.9	706.9
20°	461.9	485.7	511.7	541.6	571.1	601.0	627.1	653.4	675.3	699.9	725.3
22.5°	455.0	481.0	509.2	540.2	571.1	603.8	632.7	658.8	686.0	713.5	739.8
25°	443.8	470.8	500.8	534.7	570.2	603.6	634.5	666.8	696.2	726.1	749.7
27.5°	430.1	458.4	489.9	525.0	561.4	595.6	631.9	666.5	696.0	724.8	745.3
30°	419.1	449.0	479.3	514.8	552.6	589.3	628.3	662.8	693.9	719.7	731.3
32.5°	407.8	436.2	467.4	503.4	542.1	581.6	620.2	655.6	684.3	699.8	700.1
35°	388.2	414.8	447.3	482.6	522.4	565.2	604.3	639.0	656.6	657.9	639.0
37.5°	366.9	391.3	421.8	457.2	500.8	543.4	583.3	606.5	612.4	592.7	557.8
40°	351.6	374.1	403.7	439.9	483.1	527.2	563.6	580.6	574.5	542.6	503.6
42.5°	335.5	356.5	385.0	420.8	464.1	508.7	539.7	548.8	532.5	495.7	450.0
45°	309.3	328.6	356.8	392.9	434.6	476.2	499.8	495.1	467.9	424.3	373.2
47.5°	282.0	300.7	326.0	359.4	402.1	438.1	454.0	440.0	401.3	353.4	311.8
50°	264.0	283.1	306.4	338.3	377.2	412.0	422.2	401.0	357.9	311.9	273.6
52.5°	246.2	262.5	285.4	316.2	353.4	382.8	388.2	363.8	319.4	278.0	244.1
55°	219.2	234.1	253.3	282.3	314.5	339.4	336.5	305.1	264.7	229.4	202.8
57.5°	193.1	204.2	222.1	249.2	277.5	294.2	283.6	256.8	219.2	190.3	167.9
60°	175.8	186.2	202.8	226.5	251.4	260.9	252.0	222.9	193.1	166.7	147.8
62.5°	159.4	168.6	182.9	204.9	225.0	230.6	221.1	195.7	168.9	146.3	130.7
65°	135.7	144.1	156.3	171.9	185.8	188.5	182.4	156.3	136.1	117.2	106.3
67.5°	114.1	119.6	129.1	142.6	150.0	151.6	139.7	123.3	105.4	93.8	85.7
70°	99.5	103.5	112.3	119.6	125.6	125.8	114.8	101.7	88.0	78.5	72.6
72.5°	85.5	89.2	96.0	100.9	105.6	104.0	94.0	83.6	72.6	65.4	61.0
75°	66.0	69.3	72.7	75.1	75.1	73.1	65.8	58.0	51.7	47.5	46.1
77.5°	47.9	50.6	51.9	51.4	50.8	47.8	43.1	38.1	35.8	33.8	32.8
80°	37.7	38.8	39.1	38.2	37.0	33.6	30.5	28.4	26.3	25.4	25.1
82.5°	27.9	28.9	27.9	28.2	25.6	22.7	21.0	20.3	19.5	19.2	18.8
85°	14.8	14.7	14.3	13.3	11.6	11.2	11.0	10.8	10.4	10.6	10.2
87.5°	6.1	6.1	6.0	6.3	6.7	6.7	7.2	7.5	7.9	8.0	8.6
90°	5.1	7.5	9.8	12.1	14.1	15.8	17.4	19.2	20.9	22.1	23.4
92.5°	12.1	12.2	12.3	12.5	13.4	15.0	16.7	18.4	20.1	21.4	22.6
95°	44.9	37.7	30.7	23.5	20.0	20.2	20.4	20.6	20.9	22.1	23.4
97.5°	115.1	119.6	124.0	128.5	119.0	95.5	72.0	48.5	25.0	25.1	25.3
100°	159.1	163.0	166.7	170.6	157.9	128.8	99.8	70.8	41.7	38.1	34.5
102.5°	208.1	210.9	213.7	216.5	216.0	212.2	208.4	204.6	200.8	162.2	123.6
105°	286.4	287.6	288.9	290.2	291.4	292.4	293.4	294.5	295.5	297.5	299.4
107.5°	359.9	360.5	361.1	361.7	362.8	364.2	365.7	367.0	368.5	369.4	370.4
110°	409.9	410.5	411.2	411.8	412.7	414.0	415.2	416.5	417.8	418.2	418.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	458.9	460.0	461.1	462.3	463.2	463.7	464.3	465.0	465.5	465.5	465.4
115°	533.0	533.7	534.3	534.9	535.2	534.9	534.8	534.5	534.3	534.8	535.2
117.5°	600.5	601.4	602.2	603.0	603.6	604.1	604.6	605.1	605.5	605.4	605.4
120°	646.0	646.9	647.7	648.5	648.8	648.7	648.4	648.2	648.0	648.4	648.8
122.5°	688.1	688.6	689.1	689.6	690.0	690.3	690.6	690.9	691.2	691.5	691.7
125°	749.3	750.1	750.9	751.8	752.0	751.5	751.1	750.7	750.3	750.9	751.5
127.5°	806.2	806.4	806.7	806.8	807.4	808.4	809.3	810.3	811.3	811.1	811.1
130°	843.3	843.6	843.8	844.0	844.4	845.1	845.6	846.3	846.9	847.1	847.3
132.5°	877.6	878.0	878.4	878.7	879.4	880.1	880.9	881.7	882.6	882.7	883.0
135°	928.2	928.0	927.7	927.6	927.9	928.7	929.5	930.4	931.2	931.6	932.1
137.5°	973.8	973.9	974.0	974.0	974.5	975.4	976.4	977.3	978.2	978.7	979.2
140°	1003.6	1004.0	1004.5	1004.9	1005.3	1005.8	1006.2	1006.6	1007.1	1007.6	1008.3
142.5°	1030.5	1031.3	1032.0	1032.8	1033.3	1033.6	1033.8	1034.0	1034.3	1034.8	1035.3
145°	1071.1	1071.8	1072.4	1073.0	1073.3	1073.3	1073.3	1073.3	1073.3	1073.6	1073.7
147.5°	1104.1	1105.2	1106.4	1107.6	1108.1	1107.9	1107.7	1107.4	1107.3	1107.4	1107.6
150°	1127.2	1128.0	1128.9	1129.8	1130.1	1129.8	1129.7	1129.4	1129.2	1129.2	1129.2
152.5°	1146.8	1147.5	1148.1	1148.8	1148.9	1148.6	1148.2	1147.8	1147.5	1147.8	1148.1
155°	1173.9	1174.2	1174.4	1174.6	1174.4	1173.8	1173.1	1172.5	1171.8	1172.7	1173.5
157.5°	1196.9	1196.8	1196.7	1196.5	1196.1	1195.4	1194.7	1194.0	1193.3	1194.3	1195.5
160°	1210.1	1209.4	1208.8	1208.2	1207.8	1207.5	1207.3	1207.1	1206.9	1208.2	1209.4
162.5°	1222.1	1221.2	1220.4	1219.6	1219.1	1218.9	1218.7	1218.5	1218.3	1219.5	1220.8
165°	1237.1	1236.1	1235.0	1234.0	1233.5	1233.5	1233.5	1233.5	1233.5	1235.1	1236.8
167.5°	1249.2	1248.1	1247.0	1245.9	1245.3	1245.2	1245.0	1245.0	1244.8	1246.7	1248.5
170°	1255.9	1254.6	1253.4	1252.1	1251.6	1251.7	1252.0	1252.1	1252.4	1254.1	1255.7
172.5°	1260.4	1259.1	1257.8	1256.6	1256.1	1256.3	1256.5	1256.7	1256.9	1258.6	1260.3
175°	1265.3	1264.0	1262.8	1261.5	1261.0	1261.2	1261.4	1261.7	1261.8	1263.7	1265.7
177.5°	1267.7	1266.5	1265.3	1264.1	1263.7	1264.0	1264.4	1264.8	1265.1	1266.4	1267.8
180°	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	502.4	503.0	503.4	505.0	505.2	506.5	505.2
5°	544.0	546.7	550.9	555.1	555.5	558.2	553.4
7.5°	590.5	596.8	600.7	607.6	610.3	612.0	609.2
10°	622.6	628.4	638.7	643.7	648.7	649.5	647.2
12.5°	653.7	662.8	670.9	680.4	680.2	687.0	684.5
15°	695.0	704.5	715.7	726.3	730.1	730.1	733.2
17.5°	724.5	741.8	753.4	761.7	770.9	772.4	771.4
20°	744.4	763.1	775.5	786.3	792.5	794.2	794.2
22.5°	759.2	775.2	787.3	797.0	802.0	804.0	803.5
25°	769.5	783.2	790.5	793.4	794.8	794.4	790.8
27.5°	755.5	754.8	750.2	741.4	734.7	730.6	725.9
30°	728.6	718.5	706.9	694.2	677.8	665.3	661.5
32.5°	688.6	666.1	646.5	625.3	607.6	595.1	589.8
35°	611.3	575.6	546.4	521.0	502.5	490.9	487.0
37.5°	519.5	484.9	448.9	424.2	408.8	397.1	392.8
40°	461.1	423.5	392.1	368.9	353.1	341.7	341.5
42.5°	407.9	371.9	342.3	325.7	308.7	301.1	301.1
45°	334.0	305.2	280.1	267.0	256.8	250.6	248.9
47.5°	276.5	252.7	236.0	225.6	217.3	213.4	210.8
50°	244.3	223.5	210.1	201.1	196.4	191.4	191.0
52.5°	217.4	200.6	190.2	182.9	177.0	174.0	174.1
55°	182.7	169.4	162.1	156.5	151.9	149.5	148.5
57.5°	153.9	144.0	138.6	133.5	131.5	129.7	129.2
60°	136.1	129.3	124.3	120.2	117.3	116.8	116.5
62.5°	121.2	114.1	110.7	107.5	105.4	104.5	104.2
65°	100.0	94.7	91.6	89.1	88.4	87.0	86.8
67.5°	80.6	77.5	75.4	73.7	72.6	72.6	72.6
70°	68.7	66.9	65.2	64.2	63.7	63.3	63.3
72.5°	58.5	57.2	55.8	55.3	55.2	54.8	54.6
75°	44.6	43.2	43.5	42.5	41.7	40.7	40.1
77.5°	31.6	30.7	30.4	30.3	29.7	29.6	29.8
80°	24.5	23.6	23.3	23.6	23.3	22.7	22.7
82.5°	18.7	17.9	17.6	17.5	17.4	17.5	17.2
85°	10.0	9.6	9.6	9.6	10.0	9.9	9.6
87.5°	8.5	8.6	8.9	8.8	8.9	8.8	9.0
90°	24.6	25.9	26.7	27.1	27.6	28.0	28.5
92.5°	23.9	25.1	25.8	25.9	26.0	26.1	26.2
95°	24.6	25.9	26.7	26.8	27.1	27.2	27.5
97.5°	25.4	25.5	25.7	25.9	26.1	26.3	26.5
100°	31.0	27.4	25.7	25.9	26.1	26.3	26.5
102.5°	85.0	46.4	27.1	27.1	27.2	27.2	27.3
105°	301.3	303.1	300.3	292.7	285.1	277.6	270.0
107.5°	371.3	372.2	373.1	373.9	374.7	375.4	376.3
110°	419.1	419.5	420.0	420.6	421.3	421.9	422.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	465.3	465.2	465.5	466.4	467.2	468.0	468.7
115°	535.6	536.0	536.2	536.2	536.2	536.2	536.2
117.5°	605.3	605.2	605.1	605.0	605.0	604.9	604.8
120°	649.2	649.6	649.6	649.2	648.8	648.4	648.0
122.5°	691.9	692.2	692.1	691.7	691.3	690.8	690.4
125°	752.2	752.8	753.3	753.4	753.7	753.9	754.1
127.5°	810.9	810.8	810.7	810.5	810.3	810.2	810.0
130°	847.6	847.7	847.8	847.8	847.8	847.8	847.8
132.5°	883.2	883.4	883.4	883.2	883.1	882.9	882.7
135°	932.5	932.9	933.4	933.8	934.2	934.6	935.0
137.5°	979.6	980.1	980.2	980.2	980.0	979.8	979.7
140°	1008.9	1009.6	1010.0	1010.2	1010.4	1010.6	1010.8
142.5°	1035.7	1036.2	1036.4	1036.5	1036.5	1036.6	1036.6
145°	1074.0	1074.2	1074.5	1074.9	1075.3	1075.8	1076.2
147.5°	1107.7	1107.9	1108.1	1108.3	1108.6	1108.7	1109.0
150°	1129.2	1129.2	1129.4	1129.5	1129.8	1130.0	1130.2
152.5°	1148.4	1148.8	1148.8	1148.8	1148.6	1148.5	1148.3
155°	1174.4	1175.3	1175.3	1174.7	1174.0	1173.5	1172.8
157.5°	1196.5	1197.7	1197.7	1196.5	1195.5	1194.3	1193.3
160°	1210.7	1211.9	1211.9	1210.7	1209.4	1208.2	1206.9
162.5°	1222.1	1223.4	1223.3	1221.8	1220.4	1219.0	1217.5
165°	1238.5	1240.2	1240.1	1238.2	1236.2	1234.4	1232.5
167.5°	1250.3	1252.2	1252.1	1250.0	1247.9	1245.8	1243.7
170°	1257.4	1259.1	1258.9	1256.8	1254.7	1252.6	1250.5
172.5°	1262.0	1263.6	1263.4	1261.1	1258.8	1256.5	1254.3
175°	1267.5	1269.4	1269.1	1266.6	1264.0	1261.5	1259.0
177.5°	1269.1	1270.5	1270.2	1268.1	1266.1	1264.0	1262.1
180°	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6	1266.6

(END OF REPORT)