

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: P332526-927

Luminaire Tested: **SA4XXDIP-C350D1205U927-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332526-927
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: SA4XXDIP-C350D1205U927-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5059.1 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

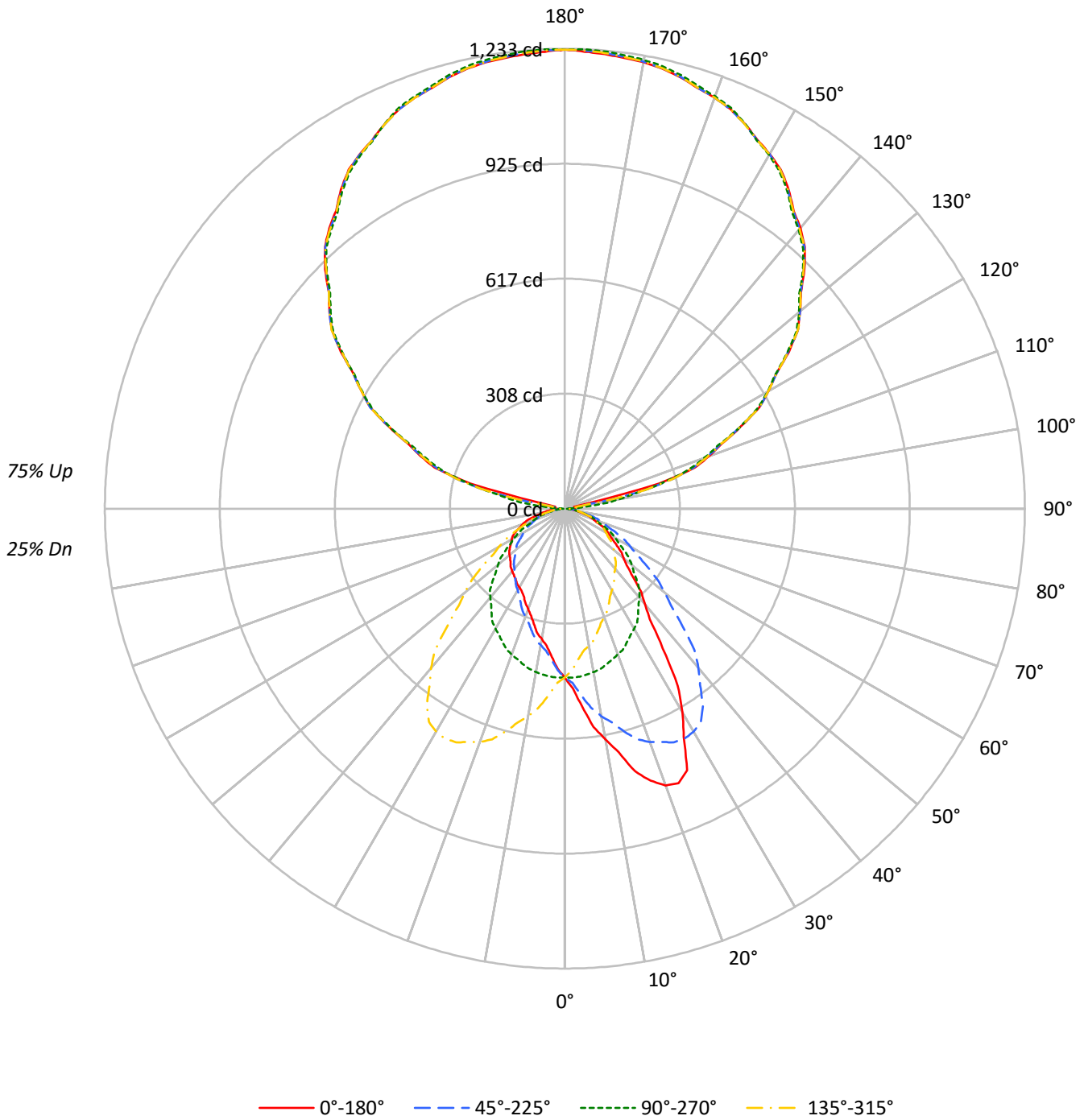
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	33	33	33	25				
1	92	88	84	81	82	79	75	73	61	59	57	44	43	42	29	29	28	21				
2	84	77	71	66	75	69	64	60	53	50	47	39	37	35	26	25	24	18				
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	21	20	15				
4	70	60	52	47	62	54	47	42	42	37	34	31	28	26	21	19	17	13				
5	64	53	45	40	57	48	41	36	37	33	29	28	24	22	19	17	15	11				
6	59	48	40	34	52	43	36	31	33	29	25	25	22	19	17	15	13	10				
7	54	43	35	30	48	38	32	27	30	26	22	23	19	17	15	13	12	9				
8	50	39	31	26	45	35	28	24	27	23	20	21	17	15	14	12	11	8				
9	47	35	28	23	42	32	26	21	25	21	17	19	16	13	13	11	10	7				
10	44	32	25	21	39	29	23	19	23	19	15	17	14	12	12	10	9	7				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3654	3654	3654	3654
5°	4302	3663	3233	3663
10°	5151	3647	2911	3647
15°	6095	3611	2674	3611
20°	6787	3572	2461	3572
25°	6897	3517	2314	3517
30°	5868	3464	2269	3464
35°	4512	3377	2269	3377
40°	3517	3276	2312	3276
45°	2932	3123	2351	3123
50°	2581	2936	2430	2936
55°	2365	2712	2528	2712
60°	2215	2512	2645	2512
65°	2063	2288	2743	2288
70°	1886	2065	2804	2065
75°	1684	1818	2773	1818
80°	1409	1492	2687	1492
85°	1037	1074	2566	1074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	0.9
10°-20°	135.9	2.7
20°-30°	215.5	4.3
30°-40°	239.8	4.7
40°-50°	218.3	4.3
50°-60°	178.4	3.5
60°-70°	127.4	2.5
70°-80°	70.1	1.4
80°-90°	22.7	0.4
90°-100°	42.1	0.8
100°-110°	268.4	5.3
110°-120°	513.4	10.1
120°-130°	651.7	12.9
130°-140°	697.3	13.8
140°-150°	652.1	12.9
150°-160°	525.8	10.4
160°-170°	339.2	6.7
170°-180°	116.9	2.3
0°-30°	395.5	7.8
0°-40°	635.3	12.6
0°-60°	1032.1	20.4
0°-90°	1252.3	24.8
90°-120°	823.9	16.3
90°-150°	2825.0	55.8
90°-180°	3807.0	75.3
0°-180°	5059.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	453	453	453	453	453	
5°	531	452	399	452	531	54
15°	729	432	320	432	729	206
25°	774	395	260	395	774	341
35°	458	343	230	343	458	291
45°	257	274	206	274	257	202
55°	168	193	180	193	168	152
65°	108	120	144	120	108	107
75°	54	58	89	58	54	57
85°	11	12	28	12	11	14
90°	28	3	28	3	28	12
95°	27	51	27	51	27	21
105°	262	277	262	277	262	229
115°	521	517	521	517	521	516
125°	733	727	733	727	733	653
135°	908	902	908	902	908	699
145°	1046	1040	1046	1040	1046	653
155°	1140	1140	1140	1140	1140	525
165°	1198	1203	1198	1203	1198	338
175°	1223	1231	1223	1231	1223	116
180°	1231	1231	1231	1231	1231	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	481.6	481.6	480.1	479.7	478.7	477.4	477.1	474.6	469.8	467.5	467.0
5°	530.9	534.7	529.8	528.9	528.3	522.1	519.0	515.2	506.6	501.5	497.6
7.5°	589.8	590.2	588.0	586.4	581.5	576.2	568.1	559.4	549.1	538.5	530.4
10°	628.4	629.9	627.5	627.2	617.6	611.6	599.6	589.5	577.8	564.9	553.1
12.5°	669.2	667.2	665.9	657.9	656.1	645.2	631.2	620.8	602.9	588.0	572.3
15°	729.3	725.2	722.5	711.5	706.1	690.9	676.0	664.6	641.2	618.9	602.0
17.5°	764.5	768.7	762.6	758.0	744.0	733.3	718.2	694.2	675.9	648.2	626.9
20°	790.0	790.4	787.0	782.4	771.3	757.8	741.3	715.1	693.2	665.6	636.3
22.5°	796.9	797.0	795.6	791.2	782.8	771.9	755.3	733.3	706.8	676.8	647.5
25°	774.3	773.6	775.2	780.1	777.0	773.6	764.0	747.7	722.9	691.3	659.7
27.5°	690.1	695.4	704.9	716.8	728.4	737.2	739.7	736.3	721.0	695.0	661.9
30°	629.5	636.0	643.1	655.1	678.3	691.7	706.2	717.3	711.1	690.3	659.6
32.5°	563.0	564.6	575.1	588.7	610.1	635.6	658.9	681.4	688.8	677.9	652.2
35°	457.8	460.5	471.9	485.4	511.4	542.8	577.7	608.8	634.5	644.8	631.6
37.5°	373.6	381.1	389.2	403.7	426.7	454.9	491.1	531.4	569.7	595.3	599.7
40°	333.7	338.4	344.2	355.3	374.8	402.5	433.6	479.7	520.5	557.2	569.2
42.5°	302.2	305.0	308.6	318.5	333.4	361.0	389.4	430.0	470.8	514.8	534.9
45°	256.8	259.7	265.7	271.5	282.7	301.8	328.3	361.6	402.7	445.0	482.2
47.5°	224.1	225.9	229.4	235.7	245.3	257.9	279.3	307.2	345.2	386.4	426.0
50°	205.5	207.0	209.8	215.4	222.8	234.0	251.6	277.7	307.4	348.9	387.7
52.5°	190.8	191.4	193.5	197.3	203.1	212.5	227.0	248.6	276.3	313.2	351.9
55°	168.0	168.7	170.6	173.4	178.5	184.5	195.5	211.7	235.8	267.9	301.5
57.5°	149.2	149.8	151.3	152.4	156.6	161.4	170.0	181.5	199.8	227.0	257.0
60°	137.2	136.9	138.7	139.7	142.5	146.6	153.2	164.2	180.1	202.1	229.7
62.5°	125.6	125.0	126.6	127.9	129.4	132.9	138.3	146.9	159.9	179.7	203.6
65°	108.0	107.3	108.2	109.7	111.1	113.0	117.0	124.7	135.0	149.2	167.4
67.5°	90.4	91.2	91.3	92.1	92.9	95.5	98.2	103.6	110.9	122.3	137.7
70°	79.9	80.1	80.8	80.8	81.4	83.7	85.9	89.0	96.2	106.7	119.2
72.5°	69.4	70.2	69.9	70.4	70.9	72.4	74.0	77.1	83.1	90.9	101.6
75°	54.0	54.6	54.6	54.7	55.3	55.8	57.2	59.4	63.8	69.6	76.8
77.5°	39.4	39.5	39.7	40.4	40.4	41.3	42.2	44.0	46.2	50.1	54.7
80°	30.3	30.7	30.6	31.0	31.0	31.7	32.1	34.3	35.3	37.9	41.4
82.5°	22.3	22.7	22.6	23.1	23.4	23.6	24.1	25.0	26.0	28.3	29.7
85°	11.2	11.6	11.2	11.6	12.2	12.4	12.9	13.2	13.9	14.4	15.8
87.5°	8.8	9.2	9.1	9.2	9.4	9.3	9.3	8.9	9.3	9.1	9.4
90°	27.6	27.2	26.8	26.4	26.0	25.2	23.9	22.7	21.5	20.3	18.6
92.5°	25.4	25.3	25.3	25.2	25.1	24.4	23.2	21.9	20.8	19.5	17.9
95°	26.7	26.5	26.3	26.1	25.9	25.2	23.9	22.7	21.5	20.3	20.0
97.5°	25.7	25.6	25.3	25.2	25.0	24.8	24.6	24.6	24.4	24.3	47.1
100°	25.7	25.6	25.3	25.2	25.0	26.6	30.1	33.5	37.0	40.5	68.8
102.5°	26.5	26.5	26.5	26.4	26.4	45.1	82.6	120.1	157.6	195.1	198.8
105°	262.4	269.7	277.0	284.4	291.8	294.5	292.7	290.9	289.1	287.2	286.1
107.5°	365.6	364.8	364.1	363.3	362.5	361.6	360.8	359.9	358.9	358.1	356.6
110°	410.5	410.0	409.3	408.7	408.1	407.6	407.2	406.8	406.3	405.9	404.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	455.4	454.7	453.9	453.1	452.3	452.0	452.1	452.2	452.3	452.3	451.8
115°	521.0	521.0	521.0	521.0	521.0	520.8	520.4	520.0	519.6	519.1	519.4
117.5°	587.6	587.7	587.8	587.9	588.0	588.0	588.1	588.2	588.3	588.4	588.0
120°	629.6	630.0	630.4	630.8	631.2	631.2	630.8	630.4	630.0	629.6	629.8
122.5°	670.8	671.2	671.7	672.1	672.5	672.6	672.3	672.1	671.8	671.6	671.3
125°	732.7	732.5	732.3	732.1	731.9	731.5	730.9	730.2	729.6	729.0	729.4
127.5°	787.0	787.2	787.3	787.5	787.7	787.8	787.9	788.1	788.1	788.3	787.3
130°	823.8	823.8	823.8	823.8	823.8	823.7	823.6	823.3	823.1	822.9	822.3
132.5°	857.7	857.9	858.0	858.2	858.3	858.3	858.2	857.9	857.7	857.5	856.7
135°	908.5	908.1	907.7	907.3	906.9	906.5	906.0	905.6	905.2	904.8	904.0
137.5°	952.0	952.0	952.2	952.4	952.4	952.3	951.8	951.4	950.9	950.5	949.6
140°	982.1	981.9	981.8	981.5	981.4	981.0	980.3	979.7	979.1	978.5	978.0
142.5°	1007.2	1007.2	1007.1	1007.1	1007.0	1006.8	1006.3	1005.9	1005.4	1005.0	1004.7
145°	1045.7	1045.3	1044.8	1044.4	1044.0	1043.7	1043.5	1043.3	1043.1	1042.9	1042.9
147.5°	1077.5	1077.3	1077.1	1076.9	1076.7	1076.5	1076.3	1076.2	1076.0	1075.9	1076.0
150°	1098.1	1098.0	1097.7	1097.5	1097.3	1097.2	1097.2	1097.2	1097.2	1097.2	1097.4
152.5°	1115.8	1115.9	1116.0	1116.2	1116.3	1116.2	1115.9	1115.6	1115.2	1114.9	1115.2
155°	1139.6	1140.2	1140.7	1141.4	1142.0	1141.9	1141.1	1140.3	1139.5	1138.6	1139.2
157.5°	1159.4	1160.5	1161.6	1162.6	1163.7	1163.7	1162.6	1161.6	1160.5	1159.4	1160.2
160°	1172.7	1173.9	1175.1	1176.4	1177.6	1177.6	1176.4	1175.1	1173.9	1172.7	1172.9
162.5°	1183.0	1184.4	1185.8	1187.2	1188.6	1188.7	1187.4	1186.2	1184.9	1183.8	1183.9
165°	1197.5	1199.4	1201.2	1203.1	1204.9	1205.0	1203.4	1201.7	1200.1	1198.5	1198.5
167.5°	1208.4	1210.5	1212.5	1214.6	1216.6	1216.7	1214.9	1213.1	1211.3	1209.5	1209.7
170°	1215.0	1217.1	1219.1	1221.1	1223.2	1223.4	1221.8	1220.1	1218.5	1216.9	1216.6
172.5°	1218.7	1220.9	1223.1	1225.3	1227.6	1227.8	1226.2	1224.6	1222.9	1221.3	1221.1
175°	1223.3	1225.7	1228.2	1230.7	1233.1	1233.4	1231.6	1229.8	1227.9	1226.1	1225.9
177.5°	1226.3	1228.2	1230.2	1232.2	1234.1	1234.5	1233.1	1231.8	1230.5	1229.2	1228.9
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	467.1	465.0	463.5	462.3	459.1	457.1	455.6	453.5	451.1	448.5	445.4
5°	493.6	487.3	482.6	475.5	468.7	463.1	457.2	452.0	445.7	438.7	433.6
7.5°	521.5	512.0	499.9	489.3	477.4	467.1	458.0	448.5	438.7	429.1	420.4
10°	539.2	527.0	513.5	497.6	482.6	469.3	456.9	444.9	433.2	421.7	411.7
12.5°	558.3	543.0	523.1	504.5	487.7	469.8	455.0	440.2	426.2	414.0	402.4
15°	583.8	561.9	538.8	513.9	491.8	471.0	450.5	432.0	416.2	400.1	388.8
17.5°	599.5	572.4	546.1	520.0	493.2	466.9	444.9	423.5	403.8	387.8	373.6
20°	609.9	582.9	550.1	524.0	492.2	465.2	439.7	415.8	395.2	378.2	363.5
22.5°	618.9	587.7	554.8	520.5	488.9	460.2	432.3	408.4	387.3	369.3	355.3
25°	623.8	588.0	552.3	518.2	482.2	448.3	422.9	394.8	372.3	353.4	338.4
27.5°	624.3	586.0	545.7	507.8	470.6	439.0	407.1	381.9	358.6	338.6	324.2
30°	622.7	582.7	539.4	498.4	461.1	426.7	398.9	371.6	347.8	327.9	312.9
32.5°	617.3	575.8	531.3	487.8	449.2	415.6	387.0	360.9	337.7	318.1	302.4
35°	602.2	561.1	513.7	468.5	429.0	395.1	369.2	342.7	319.5	301.0	285.7
37.5°	578.5	541.4	493.1	446.4	407.5	373.4	347.8	323.9	302.9	284.1	268.5
40°	557.8	525.1	476.7	431.2	389.2	356.8	332.8	310.9	290.0	272.2	257.4
42.5°	533.9	505.5	460.9	412.6	372.1	339.5	316.2	296.4	276.9	260.4	245.6
45°	491.4	472.6	430.6	386.0	343.8	313.1	290.8	273.5	257.1	240.9	228.5
47.5°	442.5	433.2	397.8	355.5	315.4	285.1	265.8	249.9	235.4	221.7	210.8
50°	409.6	405.1	374.6	333.7	295.5	267.0	247.5	233.8	221.4	209.5	199.1
52.5°	377.2	377.1	349.5	312.1	276.7	249.3	229.9	217.1	206.4	196.7	187.4
55°	327.7	333.0	311.4	278.1	246.4	221.6	204.1	192.7	185.2	177.2	170.2
57.5°	282.3	291.0	273.1	243.8	217.3	194.6	179.4	170.8	162.8	157.9	152.8
60°	252.5	260.8	246.9	222.2	197.3	177.8	163.3	155.6	148.7	145.3	141.7
62.5°	226.2	233.5	223.2	200.3	178.6	159.9	147.7	140.3	135.6	132.0	129.6
65°	188.5	194.6	185.8	169.1	150.5	135.5	125.6	119.8	115.3	113.8	111.1
67.5°	152.3	158.0	153.2	139.0	124.1	112.7	105.0	99.4	96.7	95.5	93.6
70°	130.9	136.5	131.4	119.1	107.6	98.1	90.7	87.5	84.8	84.2	81.6
72.5°	112.7	116.5	111.5	101.8	92.1	84.0	78.3	74.9	73.5	72.5	71.1
75°	84.5	87.9	84.5	77.1	70.1	64.5	59.7	58.3	56.6	56.1	55.1
77.5°	59.8	62.7	60.2	55.5	50.3	45.9	43.3	41.7	41.3	40.3	40.8
80°	45.7	47.6	45.2	42.0	37.9	34.9	33.0	32.1	31.0	30.6	31.3
82.5°	32.9	33.7	32.4	30.3	27.3	25.3	24.0	22.9	22.7	22.7	22.7
85°	17.0	16.9	16.7	14.8	13.9	12.6	11.8	11.6	11.4	11.8	12.2
87.5°	9.1	9.0	8.5	7.4	6.6	5.6	5.1	4.4	5.1	5.6	6.3
90°	17.0	15.4	13.7	11.7	9.5	7.3	5.0	2.8	5.0	7.3	9.5
92.5°	16.2	14.6	13.0	12.1	12.0	11.9	11.7	11.6	11.7	11.9	12.0
95°	19.8	19.6	19.4	22.8	29.8	36.7	43.6	50.6	43.6	36.7	29.8
97.5°	69.9	92.8	115.6	124.8	120.5	116.2	111.9	107.5	111.9	116.2	120.5
100°	97.0	125.2	153.4	165.7	162.0	158.4	154.6	151.0	154.6	158.4	162.0
102.5°	202.5	206.2	209.8	210.3	207.6	204.9	202.2	199.6	202.2	204.9	207.6
105°	285.1	284.2	283.1	281.9	280.7	279.5	278.3	277.0	278.3	279.5	280.7
107.5°	355.3	353.9	352.5	351.5	350.9	350.3	349.7	349.0	349.7	350.3	350.9
110°	403.5	402.3	401.0	400.1	399.5	398.9	398.2	397.7	398.2	398.9	399.5



TEST NUMBER: P332526-927

CATALOG NUMBER: SA4XXDIP-C350D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	451.1	450.6	450.0	449.2	448.1	446.9	445.9	444.8	445.9	446.9	448.1
115°	519.6	519.8	520.0	519.8	519.1	518.6	517.9	517.3	517.9	518.6	519.1
117.5°	587.5	587.0	586.5	585.9	585.1	584.3	583.4	582.7	583.4	584.3	585.1
120°	630.0	630.3	630.4	630.1	629.3	628.5	627.6	626.9	627.6	628.5	629.3
122.5°	671.0	670.7	670.4	670.0	669.6	669.1	668.6	668.0	668.6	669.1	669.6
125°	729.8	730.2	730.6	730.5	729.6	728.8	728.0	727.1	728.0	728.8	729.6
127.5°	786.4	785.4	784.5	783.9	783.8	783.5	783.3	783.2	783.3	783.5	783.8
130°	821.7	821.1	820.5	820.1	819.8	819.7	819.4	819.2	819.4	819.7	819.8
132.5°	856.0	855.2	854.4	853.8	853.5	853.1	852.7	852.4	852.7	853.1	853.5
135°	903.2	902.4	901.6	901.3	901.4	901.7	901.9	902.1	901.9	901.7	901.4
137.5°	948.7	947.8	946.9	946.4	946.3	946.3	946.2	946.1	946.2	946.3	946.3
140°	977.6	977.2	976.8	976.4	976.0	975.6	975.2	974.8	975.2	975.6	976.0
142.5°	1004.5	1004.2	1004.0	1003.5	1002.7	1002.0	1001.3	1000.5	1001.3	1002.0	1002.7
145°	1042.9	1042.9	1042.9	1042.6	1042.0	1041.4	1040.8	1040.1	1040.8	1041.4	1042.0
147.5°	1076.3	1076.5	1076.7	1076.2	1075.1	1073.9	1072.8	1071.6	1072.8	1073.9	1075.1
150°	1097.6	1097.8	1098.0	1097.7	1096.9	1096.1	1095.3	1094.5	1095.3	1096.1	1096.9
152.5°	1115.6	1116.0	1116.3	1116.2	1115.6	1114.9	1114.3	1113.6	1114.3	1114.9	1115.6
155°	1139.9	1140.5	1141.1	1141.3	1141.1	1140.9	1140.7	1140.5	1140.7	1140.9	1141.1
157.5°	1160.9	1161.5	1162.2	1162.6	1162.8	1162.8	1163.0	1163.1	1163.0	1162.8	1162.8
160°	1173.1	1173.3	1173.5	1173.9	1174.6	1175.1	1175.8	1176.4	1175.8	1175.1	1174.6
162.5°	1184.2	1184.3	1184.6	1185.0	1185.8	1186.6	1187.4	1188.1	1187.4	1186.6	1185.8
165°	1198.5	1198.5	1198.5	1199.0	1200.0	1201.0	1202.1	1203.1	1202.1	1201.0	1200.0
167.5°	1209.7	1209.9	1210.0	1210.6	1211.6	1212.8	1213.8	1214.8	1213.8	1212.8	1211.6
170°	1216.5	1216.2	1216.1	1216.6	1217.8	1219.0	1220.3	1221.5	1220.3	1219.0	1217.8
172.5°	1220.9	1220.7	1220.4	1221.0	1222.2	1223.4	1224.6	1225.9	1224.6	1223.4	1222.2
175°	1225.7	1225.4	1225.3	1225.7	1227.0	1228.2	1229.5	1230.7	1229.5	1228.2	1227.0
177.5°	1228.5	1228.2	1227.9	1228.3	1229.5	1230.6	1231.8	1232.9	1231.8	1230.6	1229.5
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7



TEST NUMBER: P332526-927

CATALOG NUMBER: SA4XXDIP-C350D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	443.9	442.5	440.6	437.9	435.6	433.2	432.6	431.7	433.6	432.1	431.6
5°	429.4	425.4	420.3	414.5	411.1	406.3	405.4	403.5	401.6	401.4	399.5
7.5°	413.9	408.1	401.5	395.6	390.1	384.8	381.3	380.6	377.8	376.1	374.3
10°	404.0	396.9	389.2	383.6	377.2	371.6	367.7	365.4	363.5	361.5	359.6
12.5°	392.4	384.8	378.4	372.3	364.8	360.5	354.0	350.1	349.7	349.7	344.9
15°	378.7	371.2	361.5	352.8	348.7	340.5	336.9	332.4	329.6	326.8	324.6
17.5°	363.1	353.8	346.2	336.3	328.4	321.9	317.2	314.5	310.2	306.3	303.4
20°	353.4	343.5	335.4	324.9	316.3	308.2	304.3	300.6	297.4	294.0	290.8
22.5°	343.5	333.1	323.3	313.1	305.1	296.5	292.7	287.6	284.6	282.7	279.6
25°	327.9	316.6	305.4	295.6	287.4	279.9	274.9	270.9	267.5	266.0	264.0
27.5°	310.9	299.8	288.9	277.8	268.5	263.0	259.0	256.0	254.1	252.1	251.1
30°	300.2	288.5	276.9	266.6	258.0	252.5	248.8	246.8	245.3	244.3	243.4
32.5°	289.2	277.7	265.5	256.1	248.3	243.5	240.7	238.6	237.9	237.6	237.2
35°	271.6	260.1	248.8	240.3	233.1	231.2	228.7	227.6	227.2	228.5	229.1
37.5°	254.7	243.9	233.5	225.4	220.5	217.9	217.0	217.1	218.4	219.5	220.9
40°	243.8	233.2	223.5	216.3	211.8	210.2	209.8	210.7	212.2	213.6	215.1
42.5°	233.1	222.8	213.9	207.2	204.1	202.5	202.7	203.7	205.8	207.4	209.6
45°	216.6	207.9	199.3	193.8	191.2	191.6	191.6	193.3	195.4	197.8	200.3
47.5°	201.0	192.3	185.2	180.6	179.3	179.0	180.0	182.2	185.1	188.1	191.5
50°	190.5	182.2	176.0	171.9	170.4	171.0	172.5	174.5	178.1	181.9	185.4
52.5°	179.8	172.3	166.6	162.8	161.7	162.7	164.2	167.5	170.6	174.7	179.0
55°	163.3	156.9	152.4	149.6	149.2	149.8	151.5	155.0	159.5	164.6	168.7
57.5°	146.9	141.5	137.4	135.5	135.6	136.2	138.9	143.1	148.0	153.4	158.7
60°	135.7	130.9	127.5	126.0	126.2	127.3	130.7	134.6	140.6	145.8	151.5
62.5°	125.2	121.0	117.7	116.4	116.1	118.6	121.8	125.9	131.9	137.8	143.9
65°	108.4	105.0	102.3	101.6	102.2	104.1	108.2	113.6	118.7	124.8	131.3
67.5°	91.9	89.1	87.3	87.6	88.3	91.1	94.5	99.2	105.0	111.4	117.6
70°	81.4	78.7	77.2	77.4	78.6	81.9	84.9	89.6	95.8	102.3	107.6
72.5°	70.6	68.8	67.5	68.3	69.4	71.7	75.5	80.2	85.6	91.7	97.3
75°	54.2	54.2	53.5	54.0	55.7	57.9	60.8	65.6	71.1	76.0	80.4
77.5°	40.2	39.8	40.2	41.0	41.9	44.6	47.8	51.3	55.4	60.3	64.0
80°	30.7	31.0	31.8	33.0	33.4	35.4	38.8	42.0	45.2	49.3	52.8
82.5°	23.1	23.3	23.8	25.2	25.6	27.8	29.9	33.1	36.0	38.8	41.7
85°	12.6	12.6	13.5	14.1	15.0	16.5	17.8	19.7	22.3	24.2	27.0
87.5°	7.1	7.5	8.5	9.1	9.9	10.9	11.5	13.4	14.3	15.2	16.7
90°	11.7	13.7	15.4	17.0	18.6	20.3	21.5	22.7	23.9	25.2	26.0
92.5°	12.1	13.0	14.6	16.2	17.9	19.5	20.8	21.9	23.2	24.4	25.1
95°	22.8	19.4	19.6	19.8	20.0	20.3	21.5	22.7	23.9	25.2	25.9
97.5°	124.8	115.6	92.8	69.9	47.1	24.3	24.4	24.6	24.6	24.8	25.0
100°	165.7	153.4	125.2	97.0	68.8	40.5	37.0	33.5	30.1	26.6	25.0
102.5°	210.3	209.8	206.2	202.5	198.8	195.1	157.6	120.1	82.6	45.1	26.4
105°	281.9	283.1	284.2	285.1	286.1	287.2	289.1	290.9	292.7	294.5	291.8
107.5°	351.5	352.5	353.9	355.3	356.6	358.1	358.9	359.9	360.8	361.6	362.5
110°	400.1	401.0	402.3	403.5	404.7	405.9	406.3	406.8	407.2	407.6	408.1



TEST NUMBER: P332526-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	449.2	450.0	450.6	451.1	451.8	452.3	452.3	452.2	452.1	452.0	452.3
115°	519.8	520.0	519.8	519.6	519.4	519.1	519.6	520.0	520.4	520.8	521.0
117.5°	585.9	586.5	587.0	587.5	588.0	588.4	588.3	588.2	588.1	588.0	588.0
120°	630.1	630.4	630.3	630.0	629.8	629.6	630.0	630.4	630.8	631.2	631.2
122.5°	670.0	670.4	670.7	671.0	671.3	671.6	671.8	672.1	672.3	672.6	672.5
125°	730.5	730.6	730.2	729.8	729.4	729.0	729.6	730.2	730.9	731.5	731.9
127.5°	783.9	784.5	785.4	786.4	787.3	788.3	788.1	788.1	787.9	787.8	787.7
130°	820.1	820.5	821.1	821.7	822.3	822.9	823.1	823.3	823.6	823.7	823.8
132.5°	853.8	854.4	855.2	856.0	856.7	857.5	857.7	857.9	858.2	858.3	858.3
135°	901.3	901.6	902.4	903.2	904.0	904.8	905.2	905.6	906.0	906.5	906.9
137.5°	946.4	946.9	947.8	948.7	949.6	950.5	950.9	951.4	951.8	952.3	952.4
140°	976.4	976.8	977.2	977.6	978.0	978.5	979.1	979.7	980.3	981.0	981.4
142.5°	1003.5	1004.0	1004.2	1004.5	1004.7	1005.0	1005.4	1005.9	1006.3	1006.8	1007.0
145°	1042.6	1042.9	1042.9	1042.9	1042.9	1042.9	1043.1	1043.3	1043.5	1043.7	1044.0
147.5°	1076.2	1076.7	1076.5	1076.3	1076.0	1075.9	1076.0	1076.2	1076.3	1076.5	1076.7
150°	1097.7	1098.0	1097.8	1097.6	1097.4	1097.2	1097.2	1097.2	1097.2	1097.2	1097.3
152.5°	1116.2	1116.3	1116.0	1115.6	1115.2	1114.9	1115.2	1115.6	1115.9	1116.2	1116.3
155°	1141.3	1141.1	1140.5	1139.9	1139.2	1138.6	1139.5	1140.3	1141.1	1141.9	1142.0
157.5°	1162.6	1162.2	1161.5	1160.9	1160.2	1159.4	1160.5	1161.6	1162.6	1163.7	1163.7
160°	1173.9	1173.5	1173.3	1173.1	1172.9	1172.7	1173.9	1175.1	1176.4	1177.6	1177.6
162.5°	1185.0	1184.6	1184.3	1184.2	1183.9	1183.8	1184.9	1186.2	1187.4	1188.7	1188.6
165°	1199.0	1198.5	1198.5	1198.5	1198.5	1198.5	1200.1	1201.7	1203.4	1205.0	1204.9
167.5°	1210.6	1210.0	1209.9	1209.7	1209.7	1209.5	1211.3	1213.1	1214.9	1216.7	1216.6
170°	1216.6	1216.1	1216.2	1216.5	1216.6	1216.9	1218.5	1220.1	1221.8	1223.4	1223.2
172.5°	1221.0	1220.4	1220.7	1220.9	1221.1	1221.3	1222.9	1224.6	1226.2	1227.8	1227.6
175°	1225.7	1225.3	1225.4	1225.7	1225.9	1226.1	1227.9	1229.8	1231.6	1233.4	1233.1
177.5°	1228.3	1227.9	1228.2	1228.5	1228.9	1229.2	1230.5	1231.8	1233.1	1234.5	1234.1
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7



TEST NUMBER: P332526-927

CATALOG NUMBER: SA4XXDIP-C350D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	431.3	431.0	429.9	429.8	429.9	431.0	431.3	431.6	432.1	433.6	431.7
5°	398.4	397.4	396.9	398.9	396.9	397.4	398.4	399.5	401.4	401.6	403.5
7.5°	373.6	372.9	371.2	370.7	371.2	372.9	373.6	374.3	376.1	377.8	380.6
10°	357.7	357.0	355.5	355.1	355.5	357.0	357.7	359.6	361.5	363.5	365.4
12.5°	342.4	341.0	340.6	341.0	340.6	341.0	342.4	344.9	349.7	349.7	350.1
15°	322.1	321.3	319.2	319.9	319.2	321.3	322.1	324.6	326.8	329.6	332.4
17.5°	302.1	301.2	298.7	300.9	298.7	301.2	302.1	303.4	306.3	310.2	314.5
20°	289.5	288.0	286.7	286.5	286.7	288.0	289.5	290.8	294.0	297.4	300.6
22.5°	277.5	276.2	276.0	274.8	276.0	276.2	277.5	279.6	282.7	284.6	287.6
25°	262.4	261.2	260.8	259.8	260.8	261.2	262.4	264.0	266.0	267.5	270.9
27.5°	251.0	250.3	249.6	249.9	249.6	250.3	251.0	251.1	252.1	254.1	256.0
30°	243.9	243.8	243.4	243.4	243.4	243.8	243.9	243.4	244.3	245.3	246.8
32.5°	238.1	238.1	238.3	238.3	238.3	238.1	238.1	237.2	237.6	237.9	238.6
35°	229.9	230.4	230.8	230.2	230.8	230.4	229.9	229.1	228.5	227.2	227.6
37.5°	222.4	223.0	223.6	224.2	223.6	223.0	222.4	220.9	219.5	218.4	217.1
40°	216.7	218.0	218.4	219.4	218.4	218.0	216.7	215.1	213.6	212.2	210.7
42.5°	211.4	212.8	213.7	214.0	213.7	212.8	211.4	209.6	207.4	205.8	203.7
45°	203.0	204.5	205.9	205.9	205.9	204.5	203.0	200.3	197.8	195.4	193.3
47.5°	194.5	196.6	198.0	198.3	198.0	196.6	194.5	191.5	188.1	185.1	182.2
50°	188.6	191.2	192.6	193.5	192.6	191.2	188.6	185.4	181.9	178.1	174.5
52.5°	182.9	185.5	187.3	187.7	187.3	185.5	182.9	179.0	174.7	170.6	167.5
55°	173.0	176.8	178.9	179.6	178.9	176.8	173.0	168.7	164.6	159.5	155.0
57.5°	163.7	167.2	169.6	170.2	169.6	167.2	163.7	158.7	153.4	148.0	143.1
60°	156.5	160.3	163.3	163.8	163.3	160.3	156.5	151.5	145.8	140.6	134.6
62.5°	149.2	153.1	155.8	157.2	155.8	153.1	149.2	143.9	137.8	131.9	125.9
65°	136.5	140.5	143.1	143.6	143.1	140.5	136.5	131.3	124.8	118.7	113.6
67.5°	122.6	126.6	128.3	129.4	128.3	126.6	122.6	117.6	111.4	105.0	99.2
70°	112.9	116.1	118.0	118.8	118.0	116.1	112.9	107.6	102.3	95.8	89.6
72.5°	101.8	105.1	107.3	107.5	107.3	105.1	101.8	97.3	91.7	85.6	80.2
75°	84.8	87.8	88.9	88.9	88.9	87.8	84.8	80.4	76.0	71.1	65.6
77.5°	67.1	68.6	70.0	70.3	70.0	68.6	67.1	64.0	60.3	55.4	51.3
80°	55.7	56.6	57.8	57.8	57.8	56.6	55.7	52.8	49.3	45.2	42.0
82.5°	44.0	44.8	45.9	45.7	45.9	44.8	44.0	41.7	38.8	36.0	33.1
85°	26.6	28.3	28.1	27.7	28.1	28.3	26.6	27.0	24.2	22.3	19.7
87.5°	17.3	17.5	18.1	18.5	18.1	17.5	17.3	16.7	15.2	14.3	13.4
90°	26.4	26.8	27.2	27.6	27.2	26.8	26.4	26.0	25.2	23.9	22.7
92.5°	25.2	25.3	25.3	25.4	25.3	25.3	25.2	25.1	24.4	23.2	21.9
95°	26.1	26.3	26.5	26.7	26.5	26.3	26.1	25.9	25.2	23.9	22.7
97.5°	25.2	25.3	25.6	25.7	25.6	25.3	25.2	25.0	24.8	24.6	24.6
100°	25.2	25.3	25.6	25.7	25.6	25.3	25.2	25.0	26.6	30.1	33.5
102.5°	26.4	26.5	26.5	26.5	26.5	26.5	26.4	26.4	45.1	82.6	120.1
105°	284.4	277.0	269.7	262.4	269.7	277.0	284.4	291.8	294.5	292.7	290.9
107.5°	363.3	364.1	364.8	365.6	364.8	364.1	363.3	362.5	361.6	360.8	359.9
110°	408.7	409.3	410.0	410.5	410.0	409.3	408.7	408.1	407.6	407.2	406.8



TEST NUMBER: P332526-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	453.1	453.9	454.7	455.4	454.7	453.9	453.1	452.3	452.0	452.1	452.2
115°	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	520.8	520.4	520.0
117.5°	587.9	587.8	587.7	587.6	587.7	587.8	587.9	588.0	588.0	588.1	588.2
120°	630.8	630.4	630.0	629.6	630.0	630.4	630.8	631.2	631.2	630.8	630.4
122.5°	672.1	671.7	671.2	670.8	671.2	671.7	672.1	672.5	672.6	672.3	672.1
125°	732.1	732.3	732.5	732.7	732.5	732.3	732.1	731.9	731.5	730.9	730.2
127.5°	787.5	787.3	787.2	787.0	787.2	787.3	787.5	787.7	787.8	787.9	788.1
130°	823.8	823.8	823.8	823.8	823.8	823.8	823.8	823.8	823.7	823.6	823.3
132.5°	858.2	858.0	857.9	857.7	857.9	858.0	858.2	858.3	858.3	858.2	857.9
135°	907.3	907.7	908.1	908.5	908.1	907.7	907.3	906.9	906.5	906.0	905.6
137.5°	952.4	952.2	952.0	952.0	952.0	952.2	952.4	952.4	952.3	951.8	951.4
140°	981.5	981.8	981.9	982.1	981.9	981.8	981.5	981.4	981.0	980.3	979.7
142.5°	1007.1	1007.1	1007.2	1007.2	1007.2	1007.1	1007.1	1007.0	1006.8	1006.3	1005.9
145°	1044.4	1044.8	1045.3	1045.7	1045.3	1044.8	1044.4	1044.0	1043.7	1043.5	1043.3
147.5°	1076.9	1077.1	1077.3	1077.5	1077.3	1077.1	1076.9	1076.7	1076.5	1076.3	1076.2
150°	1097.5	1097.7	1098.0	1098.1	1098.0	1097.7	1097.5	1097.3	1097.2	1097.2	1097.2
152.5°	1116.2	1116.0	1115.9	1115.8	1115.9	1116.0	1116.2	1116.3	1116.2	1115.9	1115.6
155°	1141.4	1140.7	1140.2	1139.6	1140.2	1140.7	1141.4	1142.0	1141.9	1141.1	1140.3
157.5°	1162.6	1161.6	1160.5	1159.4	1160.5	1161.6	1162.6	1163.7	1163.7	1162.6	1161.6
160°	1176.4	1175.1	1173.9	1172.7	1173.9	1175.1	1176.4	1177.6	1177.6	1176.4	1175.1
162.5°	1187.2	1185.8	1184.4	1183.0	1184.4	1185.8	1187.2	1188.6	1188.7	1187.4	1186.2
165°	1203.1	1201.2	1199.4	1197.5	1199.4	1201.2	1203.1	1204.9	1205.0	1203.4	1201.7
167.5°	1214.6	1212.5	1210.5	1208.4	1210.5	1212.5	1214.6	1216.6	1216.7	1214.9	1213.1
170°	1221.1	1219.1	1217.1	1215.0	1217.1	1219.1	1221.1	1223.2	1223.4	1221.8	1220.1
172.5°	1225.3	1223.1	1220.9	1218.7	1220.9	1223.1	1225.3	1227.6	1227.8	1226.2	1224.6
175°	1230.7	1228.2	1225.7	1223.3	1225.7	1228.2	1230.7	1233.1	1233.4	1231.6	1229.8
177.5°	1232.2	1230.2	1228.2	1226.3	1228.2	1230.2	1232.2	1234.1	1234.5	1233.1	1231.8
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7



TEST NUMBER: P332526-927

CATALOG NUMBER: SA4XXDIP-C350D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	432.6	433.2	435.6	437.9	440.6	442.5	443.9	445.4	448.5	451.1	453.5
5°	405.4	406.3	411.1	414.5	420.3	425.4	429.4	433.6	438.7	445.7	452.0
7.5°	381.3	384.8	390.1	395.6	401.5	408.1	413.9	420.4	429.1	438.7	448.5
10°	367.7	371.6	377.2	383.6	389.2	396.9	404.0	411.7	421.7	433.2	444.9
12.5°	354.0	360.5	364.8	372.3	378.4	384.8	392.4	402.4	414.0	426.2	440.2
15°	336.9	340.5	348.7	352.8	361.5	371.2	378.7	388.8	400.1	416.2	432.0
17.5°	317.2	321.9	328.4	336.3	346.2	353.8	363.1	373.6	387.8	403.8	423.5
20°	304.3	308.2	316.3	324.9	335.4	343.5	353.4	363.5	378.2	395.2	415.8
22.5°	292.7	296.5	305.1	313.1	323.3	333.1	343.5	355.3	369.3	387.3	408.4
25°	274.9	279.9	287.4	295.6	305.4	316.6	327.9	338.4	353.4	372.3	394.8
27.5°	259.0	263.0	268.5	277.8	288.9	299.8	310.9	324.2	338.6	358.6	381.9
30°	248.8	252.5	258.0	266.6	276.9	288.5	300.2	312.9	327.9	347.8	371.6
32.5°	240.7	243.5	248.3	256.1	265.5	277.7	289.2	302.4	318.1	337.7	360.9
35°	228.7	231.2	233.1	240.3	248.8	260.1	271.6	285.7	301.0	319.5	342.7
37.5°	217.0	217.9	220.5	225.4	233.5	243.9	254.7	268.5	284.1	302.9	323.9
40°	209.8	210.2	211.8	216.3	223.5	233.2	243.8	257.4	272.2	290.0	310.9
42.5°	202.7	202.5	204.1	207.2	213.9	222.8	233.1	245.6	260.4	276.9	296.4
45°	191.6	191.6	191.2	193.8	199.3	207.9	216.6	228.5	240.9	257.1	273.5
47.5°	180.0	179.0	179.3	180.6	185.2	192.3	201.0	210.8	221.7	235.4	249.9
50°	172.5	171.0	170.4	171.9	176.0	182.2	190.5	199.1	209.5	221.4	233.8
52.5°	164.2	162.7	161.7	162.8	166.6	172.3	179.8	187.4	196.7	206.4	217.1
55°	151.5	149.8	149.2	149.6	152.4	156.9	163.3	170.2	177.2	185.2	192.7
57.5°	138.9	136.2	135.6	135.5	137.4	141.5	146.9	152.8	157.9	162.8	170.8
60°	130.7	127.3	126.2	126.0	127.5	130.9	135.7	141.7	145.3	148.7	155.6
62.5°	121.8	118.6	116.1	116.4	117.7	121.0	125.2	129.6	132.0	135.6	140.3
65°	108.2	104.1	102.2	101.6	102.3	105.0	108.4	111.1	113.8	115.3	119.8
67.5°	94.5	91.1	88.3	87.6	87.3	89.1	91.9	93.6	95.5	96.7	99.4
70°	84.9	81.9	78.6	77.4	77.2	78.7	81.4	81.6	84.2	84.8	87.5
72.5°	75.5	71.7	69.4	68.3	67.5	68.8	70.6	71.1	72.5	73.5	74.9
75°	60.8	57.9	55.7	54.0	53.5	54.2	54.2	55.1	56.1	56.6	58.3
77.5°	47.8	44.6	41.9	41.0	40.2	39.8	40.2	40.8	40.3	41.3	41.7
80°	38.8	35.4	33.4	33.0	31.8	31.0	30.7	31.3	30.6	31.0	32.1
82.5°	29.9	27.8	25.6	25.2	23.8	23.3	23.1	22.7	22.7	22.7	22.9
85°	17.8	16.5	15.0	14.1	13.5	12.6	12.6	12.2	11.8	11.4	11.6
87.5°	11.5	10.9	9.9	9.1	8.5	7.5	7.1	6.3	5.6	5.1	4.4
90°	21.5	20.3	18.6	17.0	15.4	13.7	11.7	9.5	7.3	5.0	2.8
92.5°	20.8	19.5	17.9	16.2	14.6	13.0	12.1	12.0	11.9	11.7	11.6
95°	21.5	20.3	20.0	19.8	19.6	19.4	22.8	29.8	36.7	43.6	50.6
97.5°	24.4	24.3	47.1	69.9	92.8	115.6	124.8	120.5	116.2	111.9	107.5
100°	37.0	40.5	68.8	97.0	125.2	153.4	165.7	162.0	158.4	154.6	151.0
102.5°	157.6	195.1	198.8	202.5	206.2	209.8	210.3	207.6	204.9	202.2	199.6
105°	289.1	287.2	286.1	285.1	284.2	283.1	281.9	280.7	279.5	278.3	277.0
107.5°	358.9	358.1	356.6	355.3	353.9	352.5	351.5	350.9	350.3	349.7	349.0
110°	406.3	405.9	404.7	403.5	402.3	401.0	400.1	399.5	398.9	398.2	397.7



TEST NUMBER: P332526-927

CATALOG NUMBER: SA4XXDIP-C350D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	452.3	452.3	451.8	451.1	450.6	450.0	449.2	448.1	446.9	445.9	444.8
115°	519.6	519.1	519.4	519.6	519.8	520.0	519.8	519.1	518.6	517.9	517.3
117.5°	588.3	588.4	588.0	587.5	587.0	586.5	585.9	585.1	584.3	583.4	582.7
120°	630.0	629.6	629.8	630.0	630.3	630.4	630.1	629.3	628.5	627.6	626.9
122.5°	671.8	671.6	671.3	671.0	670.7	670.4	670.0	669.6	669.1	668.6	668.0
125°	729.6	729.0	729.4	729.8	730.2	730.6	730.5	729.6	728.8	728.0	727.1
127.5°	788.1	788.3	787.3	786.4	785.4	784.5	783.9	783.8	783.5	783.3	783.2
130°	823.1	822.9	822.3	821.7	821.1	820.5	820.1	819.8	819.7	819.4	819.2
132.5°	857.7	857.5	856.7	856.0	855.2	854.4	853.8	853.5	853.1	852.7	852.4
135°	905.2	904.8	904.0	903.2	902.4	901.6	901.3	901.4	901.7	901.9	902.1
137.5°	950.9	950.5	949.6	948.7	947.8	946.9	946.4	946.3	946.3	946.2	946.1
140°	979.1	978.5	978.0	977.6	977.2	976.8	976.4	976.0	975.6	975.2	974.8
142.5°	1005.4	1005.0	1004.7	1004.5	1004.2	1004.0	1003.5	1002.7	1002.0	1001.3	1000.5
145°	1043.1	1042.9	1042.9	1042.9	1042.9	1042.9	1042.6	1042.0	1041.4	1040.8	1040.1
147.5°	1076.0	1075.9	1076.0	1076.3	1076.5	1076.7	1076.2	1075.1	1073.9	1072.8	1071.6
150°	1097.2	1097.2	1097.4	1097.6	1097.8	1098.0	1097.7	1096.9	1096.1	1095.3	1094.5
152.5°	1115.2	1114.9	1115.2	1115.6	1116.0	1116.3	1116.2	1115.6	1114.9	1114.3	1113.6
155°	1139.5	1138.6	1139.2	1139.9	1140.5	1141.1	1141.3	1141.1	1140.9	1140.7	1140.5
157.5°	1160.5	1159.4	1160.2	1160.9	1161.5	1162.2	1162.6	1162.8	1162.8	1163.0	1163.1
160°	1173.9	1172.7	1172.9	1173.1	1173.3	1173.5	1173.9	1174.6	1175.1	1175.8	1176.4
162.5°	1184.9	1183.8	1183.9	1184.2	1184.3	1184.6	1185.0	1185.8	1186.6	1187.4	1188.1
165°	1200.1	1198.5	1198.5	1198.5	1198.5	1198.5	1199.0	1200.0	1201.0	1202.1	1203.1
167.5°	1211.3	1209.5	1209.7	1209.7	1209.9	1210.0	1210.6	1211.6	1212.8	1213.8	1214.8
170°	1218.5	1216.9	1216.6	1216.5	1216.2	1216.1	1216.6	1217.8	1219.0	1220.3	1221.5
172.5°	1222.9	1221.3	1221.1	1220.9	1220.7	1220.4	1221.0	1222.2	1223.4	1224.6	1225.9
175°	1227.9	1226.1	1225.9	1225.7	1225.4	1225.3	1225.7	1227.0	1228.2	1229.5	1230.7
177.5°	1230.5	1229.2	1228.9	1228.5	1228.2	1227.9	1228.3	1229.5	1230.6	1231.8	1232.9
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7



TEST NUMBER: P332526-927

CATALOG NUMBER: SA4XXDIP-C350D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	455.6	457.1	459.1	462.3	463.5	465.0	467.1	467.0	467.5	469.8	474.6
5°	457.2	463.1	468.7	475.5	482.6	487.3	493.6	497.6	501.5	506.6	515.2
7.5°	458.0	467.1	477.4	489.3	499.9	512.0	521.5	530.4	538.5	549.1	559.4
10°	456.9	469.3	482.6	497.6	513.5	527.0	539.2	553.1	564.9	577.8	589.5
12.5°	455.0	469.8	487.7	504.5	523.1	543.0	558.3	572.3	588.0	602.9	620.8
15°	450.5	471.0	491.8	513.9	538.8	561.9	583.8	602.0	618.9	641.2	664.6
17.5°	444.9	466.9	493.2	520.0	546.1	572.4	599.5	626.9	648.2	675.9	694.2
20°	439.7	465.2	492.2	524.0	550.1	582.9	609.9	636.3	665.6	693.2	715.1
22.5°	432.3	460.2	488.9	520.5	554.8	587.7	618.9	647.5	676.8	706.8	733.3
25°	422.9	448.3	482.2	518.2	552.3	588.0	623.8	659.7	691.3	722.9	747.7
27.5°	407.1	439.0	470.6	507.8	545.7	586.0	624.3	661.9	695.0	721.0	736.3
30°	398.9	426.7	461.1	498.4	539.4	582.7	622.7	659.6	690.3	711.1	717.3
32.5°	387.0	415.6	449.2	487.8	531.3	575.8	617.3	652.2	677.9	688.8	681.4
35°	369.2	395.1	429.0	468.5	513.7	561.1	602.2	631.6	644.8	634.5	608.8
37.5°	347.8	373.4	407.5	446.4	493.1	541.4	578.5	599.7	595.3	569.7	531.4
40°	332.8	356.8	389.2	431.2	476.7	525.1	557.8	569.2	557.2	520.5	479.7
42.5°	316.2	339.5	372.1	412.6	460.9	505.5	533.9	534.9	514.8	470.8	430.0
45°	290.8	313.1	343.8	386.0	430.6	472.6	491.4	482.2	445.0	402.7	361.6
47.5°	265.8	285.1	315.4	355.5	397.8	433.2	442.5	426.0	386.4	345.2	307.2
50°	247.5	267.0	295.5	333.7	374.6	405.1	409.6	387.7	348.9	307.4	277.7
52.5°	229.9	249.3	276.7	312.1	349.5	377.1	377.2	351.9	313.2	276.3	248.6
55°	204.1	221.6	246.4	278.1	311.4	333.0	327.7	301.5	267.9	235.8	211.7
57.5°	179.4	194.6	217.3	243.8	273.1	291.0	282.3	257.0	227.0	199.8	181.5
60°	163.3	177.8	197.3	222.2	246.9	260.8	252.5	229.7	202.1	180.1	164.2
62.5°	147.7	159.9	178.6	200.3	223.2	233.5	226.2	203.6	179.7	159.9	146.9
65°	125.6	135.5	150.5	169.1	185.8	194.6	188.5	167.4	149.2	135.0	124.7
67.5°	105.0	112.7	124.1	139.0	153.2	158.0	152.3	137.7	122.3	110.9	103.6
70°	90.7	98.1	107.6	119.1	131.4	136.5	130.9	119.2	106.7	96.2	89.0
72.5°	78.3	84.0	92.1	101.8	111.5	116.5	112.7	101.6	90.9	83.1	77.1
75°	59.7	64.5	70.1	77.1	84.5	87.9	84.5	76.8	69.6	63.8	59.4
77.5°	43.3	45.9	50.3	55.5	60.2	62.7	59.8	54.7	50.1	46.2	44.0
80°	33.0	34.9	37.9	42.0	45.2	47.6	45.7	41.4	37.9	35.3	34.3
82.5°	24.0	25.3	27.3	30.3	32.4	33.7	32.9	29.7	28.3	26.0	25.0
85°	11.8	12.6	13.9	14.8	16.7	16.9	17.0	15.8	14.4	13.9	13.2
87.5°	5.1	5.6	6.6	7.4	8.5	9.0	9.1	9.4	9.1	9.3	8.9
90°	5.0	7.3	9.5	11.7	13.7	15.4	17.0	18.6	20.3	21.5	22.7
92.5°	11.7	11.9	12.0	12.1	13.0	14.6	16.2	17.9	19.5	20.8	21.9
95°	43.6	36.7	29.8	22.8	19.4	19.6	19.8	20.0	20.3	21.5	22.7
97.5°	111.9	116.2	120.5	124.8	115.6	92.8	69.9	47.1	24.3	24.4	24.6
100°	154.6	158.4	162.0	165.7	153.4	125.2	97.0	68.8	40.5	37.0	33.5
102.5°	202.2	204.9	207.6	210.3	209.8	206.2	202.5	198.8	195.1	157.6	120.1
105°	278.3	279.5	280.7	281.9	283.1	284.2	285.1	286.1	287.2	289.1	290.9
107.5°	349.7	350.3	350.9	351.5	352.5	353.9	355.3	356.6	358.1	358.9	359.9
110°	398.2	398.9	399.5	400.1	401.0	402.3	403.5	404.7	405.9	406.3	406.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	445.9	446.9	448.1	449.2	450.0	450.6	451.1	451.8	452.3	452.3	452.2
115°	517.9	518.6	519.1	519.8	520.0	519.8	519.6	519.4	519.1	519.6	520.0
117.5°	583.4	584.3	585.1	585.9	586.5	587.0	587.5	588.0	588.4	588.3	588.2
120°	627.6	628.5	629.3	630.1	630.4	630.3	630.0	629.8	629.6	630.0	630.4
122.5°	668.6	669.1	669.6	670.0	670.4	670.7	671.0	671.3	671.6	671.8	672.1
125°	728.0	728.8	729.6	730.5	730.6	730.2	729.8	729.4	729.0	729.6	730.2
127.5°	783.3	783.5	783.8	783.9	784.5	785.4	786.4	787.3	788.3	788.1	788.1
130°	819.4	819.7	819.8	820.1	820.5	821.1	821.7	822.3	822.9	823.1	823.3
132.5°	852.7	853.1	853.5	853.8	854.4	855.2	856.0	856.7	857.5	857.7	857.9
135°	901.9	901.7	901.4	901.3	901.6	902.4	903.2	904.0	904.8	905.2	905.6
137.5°	946.2	946.3	946.3	946.4	946.9	947.8	948.7	949.6	950.5	950.9	951.4
140°	975.2	975.6	976.0	976.4	976.8	977.2	977.6	978.0	978.5	979.1	979.7
142.5°	1001.3	1002.0	1002.7	1003.5	1004.0	1004.2	1004.5	1004.7	1005.0	1005.4	1005.9
145°	1040.8	1041.4	1042.0	1042.6	1042.9	1042.9	1042.9	1042.9	1042.9	1043.1	1043.3
147.5°	1072.8	1073.9	1075.1	1076.2	1076.7	1076.5	1076.3	1076.0	1075.9	1076.0	1076.2
150°	1095.3	1096.1	1096.9	1097.7	1098.0	1097.8	1097.6	1097.4	1097.2	1097.2	1097.2
152.5°	1114.3	1114.9	1115.6	1116.2	1116.3	1116.0	1115.6	1115.2	1114.9	1115.2	1115.6
155°	1140.7	1140.9	1141.1	1141.3	1141.1	1140.5	1139.9	1139.2	1138.6	1139.5	1140.3
157.5°	1163.0	1162.8	1162.8	1162.6	1162.2	1161.5	1160.9	1160.2	1159.4	1160.5	1161.6
160°	1175.8	1175.1	1174.6	1173.9	1173.5	1173.3	1173.1	1172.9	1172.7	1173.9	1175.1
162.5°	1187.4	1186.6	1185.8	1185.0	1184.6	1184.3	1184.2	1183.9	1183.8	1184.9	1186.2
165°	1202.1	1201.0	1200.0	1199.0	1198.5	1198.5	1198.5	1198.5	1198.5	1200.1	1201.7
167.5°	1213.8	1212.8	1211.6	1210.6	1210.0	1209.9	1209.7	1209.7	1209.5	1211.3	1213.1
170°	1220.3	1219.0	1217.8	1216.6	1216.1	1216.2	1216.5	1216.6	1216.9	1218.5	1220.1
172.5°	1224.6	1223.4	1222.2	1221.0	1220.4	1220.7	1220.9	1221.1	1221.3	1222.9	1224.6
175°	1229.5	1228.2	1227.0	1225.7	1225.3	1225.4	1225.7	1225.9	1226.1	1227.9	1229.8
177.5°	1231.8	1230.6	1229.5	1228.3	1227.9	1228.2	1228.5	1228.9	1229.2	1230.5	1231.8
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	477.1	477.4	478.7	479.7	480.1	481.6	481.6
5°	519.0	522.1	528.3	528.9	529.8	534.7	530.9
7.5°	568.1	576.2	581.5	586.4	588.0	590.2	589.8
10°	599.6	611.6	617.6	627.2	627.5	629.9	628.4
12.5°	631.2	645.2	656.1	657.9	665.9	667.2	669.2
15°	676.0	690.9	706.1	711.5	722.5	725.2	729.3
17.5°	718.2	733.3	744.0	758.0	762.6	768.7	764.5
20°	741.3	757.8	771.3	782.4	787.0	790.4	790.0
22.5°	755.3	771.9	782.8	791.2	795.6	797.0	796.9
25°	764.0	773.6	777.0	780.1	775.2	773.6	774.3
27.5°	739.7	737.2	728.4	716.8	704.9	695.4	690.1
30°	706.2	691.7	678.3	655.1	643.1	636.0	629.5
32.5°	658.9	635.6	610.1	588.7	575.1	564.6	563.0
35°	577.7	542.8	511.4	485.4	471.9	460.5	457.8
37.5°	491.1	454.9	426.7	403.7	389.2	381.1	373.6
40°	433.6	402.5	374.8	355.3	344.2	338.4	333.7
42.5°	389.4	361.0	333.4	318.5	308.6	305.0	302.2
45°	328.3	301.8	282.7	271.5	265.7	259.7	256.8
47.5°	279.3	257.9	245.3	235.7	229.4	225.9	224.1
50°	251.6	234.0	222.8	215.4	209.8	207.0	205.5
52.5°	227.0	212.5	203.1	197.3	193.5	191.4	190.8
55°	195.5	184.5	178.5	173.4	170.6	168.7	168.0
57.5°	170.0	161.4	156.6	152.4	151.3	149.8	149.2
60°	153.2	146.6	142.5	139.7	138.7	136.9	137.2
62.5°	138.3	132.9	129.4	127.9	126.6	125.0	125.6
65°	117.0	113.0	111.1	109.7	108.2	107.3	108.0
67.5°	98.2	95.5	92.9	92.1	91.3	91.2	90.4
70°	85.9	83.7	81.4	80.8	80.8	80.1	79.9
72.5°	74.0	72.4	70.9	70.4	69.9	70.2	69.4
75°	57.2	55.8	55.3	54.7	54.6	54.6	54.0
77.5°	42.2	41.3	40.4	40.4	39.7	39.5	39.4
80°	32.1	31.7	31.0	31.0	30.6	30.7	30.3
82.5°	24.1	23.6	23.4	23.1	22.6	22.7	22.3
85°	12.9	12.4	12.2	11.6	11.2	11.6	11.2
87.5°	9.3	9.3	9.4	9.2	9.1	9.2	8.8
90°	23.9	25.2	26.0	26.4	26.8	27.2	27.6
92.5°	23.2	24.4	25.1	25.2	25.3	25.3	25.4
95°	23.9	25.2	25.9	26.1	26.3	26.5	26.7
97.5°	24.6	24.8	25.0	25.2	25.3	25.6	25.7
100°	30.1	26.6	25.0	25.2	25.3	25.6	25.7
102.5°	82.6	45.1	26.4	26.4	26.5	26.5	26.5
105°	292.7	294.5	291.8	284.4	277.0	269.7	262.4
107.5°	360.8	361.6	362.5	363.3	364.1	364.8	365.6
110°	407.2	407.6	408.1	408.7	409.3	410.0	410.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	452.1	452.0	452.3	453.1	453.9	454.7	455.4
115°	520.4	520.8	521.0	521.0	521.0	521.0	521.0
117.5°	588.1	588.0	588.0	587.9	587.8	587.7	587.6
120°	630.8	631.2	631.2	630.8	630.4	630.0	629.6
122.5°	672.3	672.6	672.5	672.1	671.7	671.2	670.8
125°	730.9	731.5	731.9	732.1	732.3	732.5	732.7
127.5°	787.9	787.8	787.7	787.5	787.3	787.2	787.0
130°	823.6	823.7	823.8	823.8	823.8	823.8	823.8
132.5°	858.2	858.3	858.3	858.2	858.0	857.9	857.7
135°	906.0	906.5	906.9	907.3	907.7	908.1	908.5
137.5°	951.8	952.3	952.4	952.4	952.2	952.0	952.0
140°	980.3	981.0	981.4	981.5	981.8	981.9	982.1
142.5°	1006.3	1006.8	1007.0	1007.1	1007.1	1007.2	1007.2
145°	1043.5	1043.7	1044.0	1044.4	1044.8	1045.3	1045.7
147.5°	1076.3	1076.5	1076.7	1076.9	1077.1	1077.3	1077.5
150°	1097.2	1097.2	1097.3	1097.5	1097.7	1098.0	1098.1
152.5°	1115.9	1116.2	1116.3	1116.2	1116.0	1115.9	1115.8
155°	1141.1	1141.9	1142.0	1141.4	1140.7	1140.2	1139.6
157.5°	1162.6	1163.7	1163.7	1162.6	1161.6	1160.5	1159.4
160°	1176.4	1177.6	1177.6	1176.4	1175.1	1173.9	1172.7
162.5°	1187.4	1188.7	1188.6	1187.2	1185.8	1184.4	1183.0
165°	1203.4	1205.0	1204.9	1203.1	1201.2	1199.4	1197.5
167.5°	1214.9	1216.7	1216.6	1214.6	1212.5	1210.5	1208.4
170°	1221.8	1223.4	1223.2	1221.1	1219.1	1217.1	1215.0
172.5°	1226.2	1227.8	1227.6	1225.3	1223.1	1220.9	1218.7
175°	1231.6	1233.4	1233.1	1230.7	1228.2	1225.7	1223.3
177.5°	1233.1	1234.5	1234.1	1232.2	1230.2	1228.2	1226.3
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7

(END OF REPORT)