

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: P332572-927

Luminaire Tested: **SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332572-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

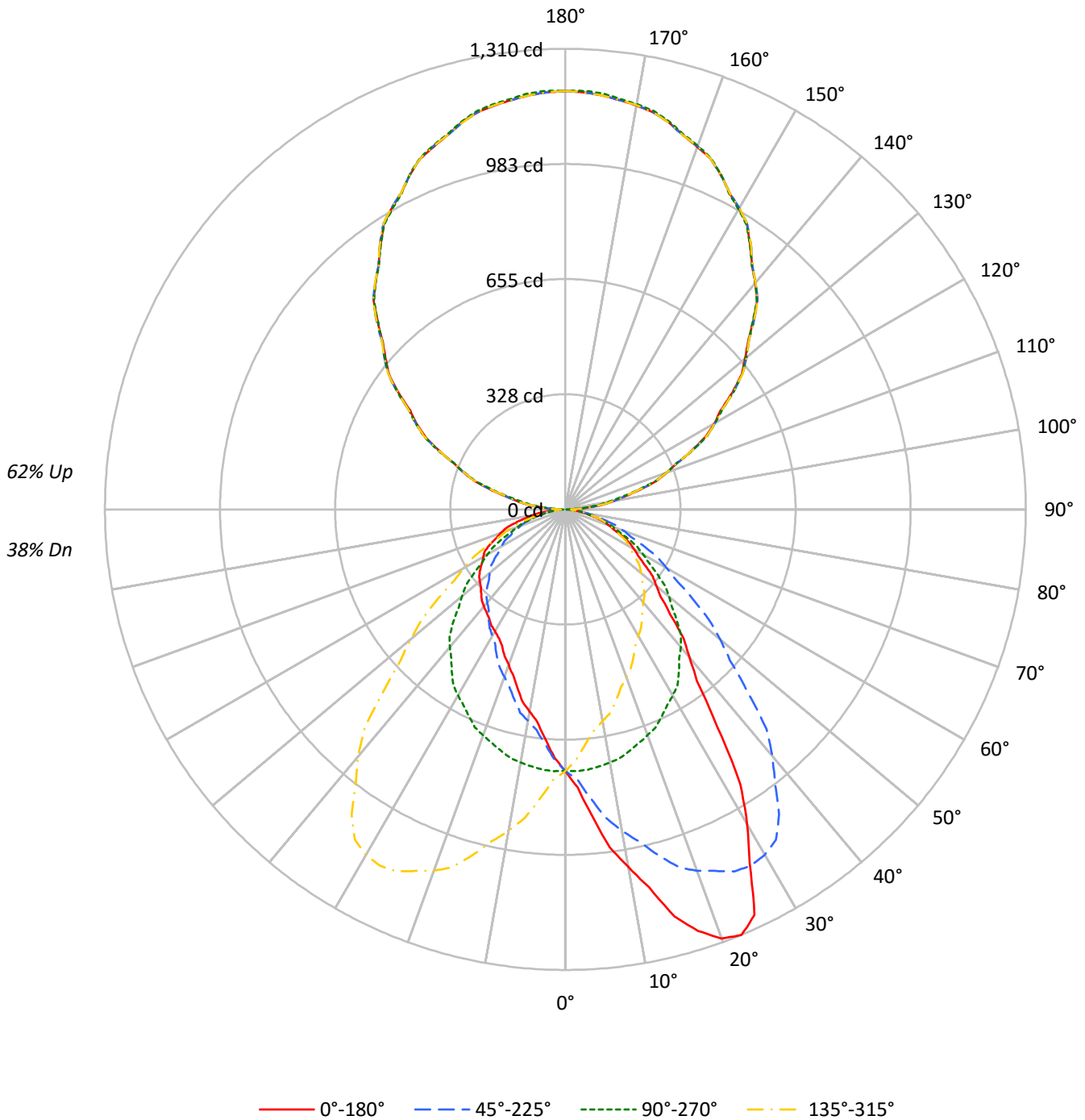
Lumens per Lamp: N/A
Luminaire Lumens: 5358.1 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 49.4
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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38				
1	95	91	87	84	86	83	80	77	68	65	63	53	52	51	40	39	39	33				
2	87	80	74	69	79	73	68	63	59	56	53	47	45	42	36	34	33	28				
3	79	70	63	57	72	64	58	53	52	48	44	42	39	36	32	30	28	24				
4	73	62	55	49	66	57	50	45	47	42	38	37	34	31	29	26	24	20				
5	67	55	48	42	60	51	44	39	42	37	33	33	30	27	26	23	21	18				
6	61	50	42	36	56	46	39	34	38	32	29	30	27	24	23	21	19	16				
7	57	45	37	32	51	41	34	29	34	29	25	28	24	21	21	19	17	14				
8	53	41	33	28	48	37	31	26	31	26	22	25	21	19	20	17	15	13				
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	18	15	14	11				
10	46	34	27	22	42	31	25	21	26	21	18	21	18	15	17	14	12	10				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6006	6006	6006	6006
5°	7074	6022	5315	6022
10°	8470	5996	4786	5996
15°	10021	5935	4395	5935
20°	11159	5874	4046	5874
25°	11339	5782	3805	5782
30°	9648	5695	3730	5695
35°	7418	5552	3730	5552
40°	5782	5385	3800	5385
45°	4820	5134	3863	5134
50°	4243	4828	3995	4828
55°	3887	4460	4155	4460
60°	3643	4130	4350	4130
65°	3391	3761	4510	3761
70°	3099	3397	4612	3397
75°	2770	2991	4557	2991
80°	2320	2450	4412	2450
85°	1714	1769	4224	1769



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CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	1.4
10°-20°	223.4	4.2
20°-30°	354.3	6.6
30°-40°	394.3	7.4
40°-50°	358.9	6.7
50°-60°	293.3	5.5
60°-70°	209.4	3.9
70°-80°	115.3	2.2
80°-90°	35.0	0.7
90°-100°	78.5	1.5
100°-110°	232.5	4.3
110°-120°	394.6	7.4
120°-130°	520.4	9.7
130°-140°	584.4	10.9
140°-150°	574.3	10.7
150°-160°	483.0	9.0
160°-170°	321.4	6.0
170°-180°	112.5	2.1
0°-30°	650.2	12.1
0°-40°	1044.5	19.5
0°-60°	1696.7	31.7
0°-90°	2056.4	38.4
90°-120°	705.6	13.2
90°-150°	2384.7	44.5
90°-180°	3302.0	61.6
0°-180°	5358.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	744	744	744	744	744	
5°	873	743	656	743	873	89
15°	1199	710	526	710	1199	339
25°	1273	649	427	649	1273	561
35°	753	563	378	563	753	478
45°	422	450	338	450	422	333
55°	276	317	295	317	276	249
65°	178	197	236	197	178	176
75°	89	96	146	96	89	94
85°	18	19	46	19	18	23
90°	28	3	28	3	28	15
95°	73	55	73	55	73	76
105°	225	214	225	214	225	237
115°	398	401	398	401	398	393
125°	580	584	580	584	580	517
135°	755	754	755	754	755	583
145°	917	916	917	916	917	574
155°	1048	1049	1048	1049	1048	483
165°	1139	1142	1139	1142	1139	321
175°	1183	1188	1183	1188	1183	112
180°	1190	1190	1190	1190	1190	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	791.9	791.6	789.2	788.7	787.0	784.7	784.3	780.3	772.4	768.7	767.7
5°	872.9	879.1	871.0	869.5	868.5	858.4	853.2	847.0	832.8	824.5	818.0
7.5°	969.6	970.3	966.8	963.9	956.1	947.2	933.9	919.7	902.9	885.3	872.0
10°	1033.2	1035.6	1031.7	1031.0	1015.3	1005.4	985.7	969.1	949.9	928.7	909.3
12.5°	1100.3	1096.8	1094.7	1081.6	1078.6	1060.7	1037.8	1020.6	991.1	966.6	940.8
15°	1199.0	1192.2	1187.9	1169.7	1160.8	1135.8	1111.4	1092.7	1054.2	1017.5	989.7
17.5°	1257.0	1263.7	1253.7	1246.3	1223.1	1205.6	1180.7	1141.3	1111.1	1065.6	1030.5
20°	1298.9	1299.5	1294.0	1286.2	1268.0	1245.9	1218.7	1175.6	1139.5	1094.2	1046.1
22.5°	1310.2	1310.3	1308.0	1300.8	1287.0	1269.0	1241.7	1205.6	1162.0	1112.7	1064.6
25°	1273.0	1271.8	1274.5	1282.5	1277.3	1271.8	1256.0	1229.2	1188.5	1136.4	1084.7
27.5°	1134.6	1143.1	1158.8	1178.5	1197.5	1212.0	1216.1	1210.6	1185.3	1142.5	1088.3
30°	1035.0	1045.5	1057.2	1077.0	1115.2	1137.0	1161.1	1179.2	1169.1	1134.9	1084.3
32.5°	925.5	928.1	945.5	968.0	1003.0	1045.0	1083.2	1120.1	1132.3	1114.4	1072.2
35°	752.7	757.0	775.8	798.0	840.8	892.3	949.7	1000.8	1043.1	1060.0	1038.4
37.5°	614.3	626.6	639.8	663.7	701.5	747.8	807.4	873.5	936.5	978.7	985.8
40°	548.7	556.3	565.9	584.1	616.2	661.8	712.9	788.8	855.6	916.1	935.8
42.5°	496.9	501.4	507.2	523.6	548.1	593.4	640.2	706.9	774.0	846.3	879.3
45°	422.2	426.9	436.7	446.3	464.8	496.2	539.7	594.5	662.0	731.7	792.7
47.5°	368.4	371.4	377.2	387.5	403.1	423.9	459.2	505.0	567.6	635.3	700.3
50°	337.8	340.2	344.9	354.2	366.1	384.7	413.6	456.5	505.5	573.6	637.4
52.5°	313.6	314.7	318.1	324.3	333.9	349.4	373.2	408.6	454.2	514.9	578.5
55°	276.2	277.4	280.5	285.1	293.4	303.3	321.5	348.0	387.8	440.5	495.6
57.5°	245.3	246.2	248.8	250.6	257.5	265.5	279.4	298.3	328.5	373.2	422.5
60°	225.6	225.0	228.1	229.7	234.2	241.1	251.8	270.0	296.2	332.2	377.6
62.5°	206.4	205.5	208.1	210.2	212.8	218.6	227.4	241.6	262.9	295.6	334.7
65°	177.5	176.3	177.8	180.3	182.8	185.8	192.3	204.9	221.9	245.3	275.2
67.5°	148.5	149.9	150.1	151.3	152.7	156.9	161.4	170.3	182.3	201.1	226.3
70°	131.3	131.6	132.8	132.8	133.8	137.4	141.2	146.4	158.1	175.4	196.1
72.5°	114.1	115.3	114.9	115.8	116.5	119.0	121.7	126.7	136.7	149.5	166.9
75°	88.8	89.7	89.7	90.0	90.9	91.8	94.0	97.7	104.8	114.3	126.4
77.5°	64.7	64.9	65.3	66.4	66.4	67.9	69.5	72.4	76.0	82.5	89.8
80°	49.9	50.5	50.2	50.9	50.9	52.1	52.7	56.4	57.9	62.3	68.1
82.5°	36.6	37.2	37.2	38.0	38.5	38.7	39.6	41.1	42.6	46.5	48.9
85°	18.5	19.1	18.5	19.1	20.0	20.4	21.2	21.5	22.8	23.8	25.9
87.5°	10.9	11.6	11.5	11.7	12.1	12.2	12.2	11.7	12.4	12.4	13.1
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°	40.9	40.6	40.4	40.2	39.8	39.4	38.7	37.9	37.2	36.4	35.3
95°	72.7	72.7	72.7	72.7	72.7	72.4	71.8	71.1	70.6	69.9	68.5
97.5°	113.9	113.9	113.9	113.9	113.9	113.6	112.8	112.1	111.4	110.6	108.9
100°	142.7	142.7	142.7	142.7	142.7	142.4	142.0	141.6	141.2	140.9	138.9
102.5°	175.1	174.9	174.8	174.6	174.4	174.0	173.5	172.9	172.3	171.7	170.1
105°	224.6	223.9	223.3	222.8	222.1	221.5	220.9	220.3	219.7	219.0	218.2
107.5°	272.8	272.8	272.9	272.9	273.0	272.7	272.1	271.6	271.0	270.4	270.3
110°	307.4	306.8	306.2	305.5	304.9	304.8	305.2	305.6	306.1	306.5	306.7



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	342.8	342.6	342.5	342.4	342.2	342.2	342.3	342.4	342.5	342.5	342.9
115°	397.6	397.8	398.0	398.2	398.4	398.6	398.8	399.0	399.3	399.4	399.8
117.5°	449.9	450.3	450.7	451.1	451.5	452.0	452.7	453.4	454.2	454.9	455.1
120°	489.6	489.3	488.8	488.4	488.0	488.3	489.3	490.4	491.4	492.4	493.0
122.5°	522.8	523.5	524.3	525.0	525.7	526.4	527.1	527.8	528.5	529.2	529.5
125°	579.8	580.2	580.7	581.1	581.5	581.9	582.3	582.7	583.1	583.5	583.7
127.5°	632.6	633.0	633.3	633.7	634.0	634.3	634.8	635.2	635.6	636.0	636.3
130°	667.3	668.0	668.9	669.7	670.5	671.1	671.5	671.9	672.4	672.8	672.8
132.5°	704.1	704.4	704.7	705.0	705.4	705.8	706.2	706.5	706.9	707.4	707.6
135°	754.7	755.3	755.9	756.5	757.2	757.6	758.0	758.5	758.9	759.3	759.3
137.5°	807.9	807.8	807.6	807.6	807.4	807.6	808.1	808.7	809.2	809.7	809.4
140°	840.3	840.5	840.7	840.9	841.1	841.3	841.5	841.7	841.9	842.1	842.1
142.5°	872.7	872.7	872.7	872.8	872.8	872.9	872.9	873.0	873.0	873.1	873.2
145°	916.7	917.3	917.9	918.5	919.1	919.6	919.7	920.0	920.1	920.4	920.1
147.5°	961.2	961.4	961.6	961.9	962.0	962.2	962.4	962.6	962.7	962.9	963.1
150°	988.5	988.6	988.9	989.0	989.3	989.4	989.4	989.4	989.4	989.4	989.4
152.5°	1013.5	1014.0	1014.5	1015.1	1015.7	1015.7	1015.2	1014.6	1014.2	1013.7	1013.5
155°	1048.3	1049.1	1050.0	1050.8	1051.5	1051.5	1050.8	1050.0	1049.1	1048.3	1048.5
157.5°	1079.4	1080.1	1080.8	1081.5	1082.2	1082.2	1081.6	1081.0	1080.4	1079.7	1079.8
160°	1097.1	1098.1	1099.1	1100.1	1101.1	1101.4	1100.7	1100.1	1099.5	1098.9	1099.1
162.5°	1115.5	1116.5	1117.5	1118.6	1119.6	1119.5	1118.4	1117.3	1116.2	1115.1	1115.3
165°	1139.4	1140.2	1141.1	1141.9	1142.6	1142.5	1141.2	1140.0	1138.8	1137.6	1138.0
167.5°	1156.5	1157.8	1159.0	1160.3	1161.6	1161.6	1160.4	1159.1	1157.9	1156.7	1156.7
170°	1166.1	1167.5	1168.9	1170.4	1171.8	1172.0	1170.7	1169.5	1168.2	1167.0	1166.8
172.5°	1174.2	1175.6	1177.0	1178.5	1180.0	1180.0	1178.5	1177.2	1175.8	1174.4	1174.3
175°	1182.6	1184.1	1185.5	1186.9	1188.4	1188.4	1186.9	1185.5	1184.1	1182.6	1182.9
177.5°	1187.1	1188.4	1189.7	1191.0	1192.3	1192.4	1191.3	1190.1	1189.0	1187.8	1187.8
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	767.9	764.5	762.1	760.1	754.6	751.5	749.0	745.5	741.6	737.4	732.2
5°	811.6	801.1	793.4	781.6	770.6	761.3	751.8	743.1	732.6	721.3	712.9
7.5°	857.4	841.8	821.8	804.5	785.0	768.0	752.9	737.4	721.2	705.5	691.2
10°	886.5	866.4	844.2	818.0	793.4	771.5	751.1	731.4	712.3	693.2	676.8
12.5°	917.7	892.8	860.0	829.3	801.8	772.5	747.9	723.7	700.7	680.6	661.6
15°	959.8	923.8	885.8	844.9	808.5	774.3	740.7	710.1	684.3	657.7	639.3
17.5°	985.6	941.0	897.7	854.8	810.8	767.6	731.4	696.2	663.8	637.5	614.2
20°	1002.7	958.3	904.4	861.5	809.1	764.7	722.8	683.7	649.7	621.7	597.6
22.5°	1017.5	966.1	912.2	855.8	803.7	756.5	710.7	671.3	636.7	607.1	584.1
25°	1025.5	966.6	908.0	851.9	792.7	737.0	695.4	649.1	612.1	581.0	556.3
27.5°	1026.4	963.4	897.1	834.8	773.7	721.8	669.2	627.9	589.5	556.6	532.9
30°	1023.6	958.0	886.8	819.3	758.0	701.5	655.9	610.9	571.7	539.1	514.4
32.5°	1014.9	946.6	873.5	802.0	738.5	683.3	636.2	593.4	555.2	523.1	497.2
35°	990.0	922.5	844.5	770.2	705.2	649.4	606.9	563.4	525.2	494.7	469.8
37.5°	951.0	889.9	810.7	733.8	669.9	613.9	571.7	532.5	498.0	467.0	441.4
40°	917.0	863.3	783.8	708.9	639.8	586.5	547.1	511.0	476.8	447.5	423.2
42.5°	877.7	831.0	757.6	678.3	611.7	558.2	519.8	487.4	455.1	428.1	403.7
45°	807.9	777.1	708.0	634.6	565.3	514.8	478.1	449.7	422.6	396.1	375.7
47.5°	727.5	712.2	654.0	584.4	518.6	468.7	437.0	410.7	387.0	364.5	346.6
50°	673.4	666.1	615.8	548.7	485.8	438.9	406.9	384.4	364.0	344.3	327.3
52.5°	620.2	620.0	574.6	513.1	455.0	409.8	378.0	357.0	339.4	323.3	308.1
55°	538.8	547.4	512.0	457.1	405.0	364.3	335.6	316.9	304.5	291.3	279.9
57.5°	464.0	478.3	449.1	400.8	357.3	319.8	294.9	280.7	267.6	259.6	251.3
60°	415.2	428.7	405.9	365.3	324.2	292.2	268.5	255.8	244.4	238.8	233.0
62.5°	371.8	383.9	366.9	329.2	293.7	262.8	242.8	230.7	223.0	216.9	213.0
65°	309.7	320.0	305.5	278.1	247.5	222.8	206.5	196.9	189.6	187.1	182.8
67.5°	250.4	259.7	251.8	228.5	204.1	185.4	172.6	163.4	159.1	156.9	153.8
70°	215.2	224.4	216.0	195.7	176.9	161.2	149.2	143.9	139.3	138.4	134.1
72.5°	185.3	191.6	183.2	167.4	151.3	138.0	128.7	123.3	120.8	119.1	116.8
75°	139.0	144.6	139.0	126.7	115.3	106.0	98.0	95.9	93.1	92.1	90.6
77.5°	98.4	103.2	98.9	91.3	82.7	75.6	71.3	68.5	67.9	66.3	67.0
80°	75.2	78.3	74.3	69.1	62.3	57.4	54.3	52.7	50.9	50.2	51.5
82.5°	54.0	55.4	53.3	49.8	44.8	41.5	39.5	37.6	37.3	37.4	37.4
85°	28.0	27.7	27.4	24.3	22.8	20.7	19.4	19.1	18.8	19.4	20.0
87.5°	12.8	12.7	12.1	10.8	9.6	8.3	7.7	7.0	7.7	8.3	9.0
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°	34.1	33.0	31.8	30.0	27.4	24.9	22.3	19.7	22.3	24.9	27.4
95°	67.1	65.7	64.2	62.6	60.8	58.9	57.0	55.2	57.0	58.9	60.8
97.5°	107.3	105.6	103.9	102.3	100.8	99.4	97.9	96.5	97.9	99.4	100.8
100°	137.1	135.3	133.5	132.1	131.3	130.5	129.7	128.9	129.7	130.5	131.3
102.5°	168.4	166.7	165.0	164.1	163.7	163.3	163.0	162.7	163.0	163.3	163.7
105°	217.4	216.6	215.8	215.2	215.1	214.8	214.7	214.4	214.7	214.8	215.1
107.5°	270.1	270.1	269.9	269.7	269.5	269.3	269.0	268.7	269.0	269.3	269.5
110°	306.9	307.1	307.3	307.2	306.8	306.3	305.9	305.5	305.9	306.3	306.8



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	343.3	343.6	344.0	344.2	344.1	344.0	344.0	343.8	344.0	344.0	344.1
115°	400.3	400.7	401.1	401.2	401.2	401.2	401.2	401.2	401.2	401.2	401.2
117.5°	455.4	455.7	456.0	456.1	455.9	455.7	455.6	455.4	455.6	455.7	455.9
120°	493.6	494.2	494.9	494.7	493.9	493.1	492.3	491.5	492.3	493.1	493.9
122.5°	529.8	530.0	530.4	530.4	530.0	529.7	529.3	529.0	529.3	529.7	530.0
125°	583.9	584.2	584.3	584.4	584.4	584.4	584.4	584.4	584.4	584.4	584.4
127.5°	636.6	636.9	637.3	637.2	636.5	635.9	635.3	634.7	635.3	635.9	636.5
130°	672.8	672.8	672.8	672.5	671.8	671.2	670.7	670.0	670.7	671.2	671.8
132.5°	707.7	707.9	708.1	707.9	707.4	707.0	706.5	706.1	706.5	707.0	707.4
135°	759.3	759.3	759.3	758.7	757.5	756.2	755.0	753.8	755.0	756.2	757.5
137.5°	809.1	808.7	808.4	807.9	807.4	806.8	806.3	805.6	806.3	806.8	807.4
140°	842.1	842.1	842.1	841.9	841.5	841.1	840.7	840.3	840.7	841.1	841.5
142.5°	873.4	873.5	873.7	873.6	873.1	872.7	872.4	872.0	872.4	872.7	873.1
145°	920.0	919.7	919.6	919.0	918.2	917.4	916.6	915.8	916.6	917.4	918.2
147.5°	963.2	963.4	963.5	963.1	962.1	961.2	960.2	959.2	960.2	961.2	962.1
150°	989.4	989.4	989.4	989.0	988.2	987.4	986.5	985.7	986.5	987.4	988.2
152.5°	1013.4	1013.2	1013.0	1012.7	1012.2	1011.7	1011.2	1010.7	1011.2	1011.7	1012.2
155°	1048.7	1048.9	1049.1	1049.2	1049.2	1049.2	1049.2	1049.2	1049.2	1049.2	1049.2
157.5°	1079.8	1079.9	1079.9	1080.1	1080.5	1080.9	1081.2	1081.6	1081.2	1080.9	1080.5
160°	1099.3	1099.5	1099.7	1099.9	1100.1	1100.3	1100.6	1100.7	1100.6	1100.3	1100.1
162.5°	1115.6	1115.7	1115.9	1116.3	1116.8	1117.4	1117.8	1118.4	1117.8	1117.4	1116.8
165°	1138.4	1138.8	1139.2	1139.7	1140.3	1140.9	1141.5	1142.2	1141.5	1140.9	1140.3
167.5°	1156.6	1156.6	1156.5	1157.0	1157.8	1158.6	1159.5	1160.4	1159.5	1158.6	1157.8
170°	1166.6	1166.4	1166.2	1166.6	1167.6	1168.6	1169.7	1170.7	1169.7	1168.6	1167.6
172.5°	1174.3	1174.3	1174.2	1174.6	1175.4	1176.3	1177.2	1178.1	1177.2	1176.3	1175.4
175°	1183.0	1183.3	1183.4	1184.1	1185.1	1186.1	1187.2	1188.2	1187.2	1186.1	1185.1
177.5°	1187.8	1187.8	1187.8	1188.2	1189.1	1189.9	1190.6	1191.5	1190.6	1189.9	1189.1
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	729.8	727.5	724.3	719.9	716.2	712.3	711.2	709.8	712.7	710.3	709.6
5°	705.8	699.3	691.0	681.5	676.0	667.9	666.4	663.3	660.2	659.9	656.8
7.5°	680.5	671.0	660.1	650.4	641.4	632.6	626.9	625.7	621.1	618.5	615.4
10°	664.2	652.5	639.8	630.7	620.1	610.9	604.4	600.7	597.6	594.2	591.2
12.5°	645.0	632.6	622.1	612.1	599.7	592.6	582.0	575.6	575.0	575.0	567.0
15°	622.6	610.3	594.2	580.1	573.3	559.8	553.9	546.4	541.9	537.3	533.5
17.5°	597.1	581.7	569.2	552.9	540.0	529.2	521.4	517.0	510.1	503.5	498.8
20°	581.0	564.7	551.4	534.2	520.0	506.8	500.3	494.1	488.9	483.3	478.1
22.5°	564.7	547.6	531.5	514.7	501.5	487.5	481.3	472.9	467.9	464.8	459.5
25°	539.1	520.6	502.1	486.1	472.5	460.2	451.9	445.4	439.8	437.4	434.0
27.5°	511.2	492.8	475.0	456.8	441.4	432.5	425.8	420.9	417.7	414.5	412.9
30°	493.5	474.4	455.3	438.3	424.1	415.2	409.0	405.6	403.1	401.6	400.1
32.5°	475.5	456.6	436.5	421.0	408.4	400.4	395.7	392.3	391.1	390.5	390.0
35°	446.6	427.5	409.0	395.1	383.1	380.0	376.0	374.1	373.6	375.7	376.7
37.5°	418.7	400.9	383.9	370.5	362.6	358.1	356.7	356.8	359.0	360.9	363.1
40°	400.7	383.4	367.4	355.7	348.3	345.5	344.9	346.4	348.9	351.1	353.6
42.5°	383.2	366.1	351.6	340.6	335.5	333.0	333.4	334.9	338.3	341.0	344.7
45°	356.0	341.8	327.6	318.7	314.4	315.0	315.0	317.7	321.2	325.2	329.2
47.5°	330.4	316.1	304.4	296.9	294.7	294.1	295.9	299.5	304.4	309.3	315.0
50°	313.1	299.6	289.4	282.7	280.2	281.1	283.6	286.9	292.8	299.0	304.8
52.5°	295.6	283.3	273.9	267.6	265.9	267.5	270.0	275.4	280.5	287.2	294.2
55°	268.5	258.0	250.6	246.0	245.3	246.3	249.1	254.9	262.3	270.6	277.4
57.5°	241.4	232.7	225.9	222.7	223.0	223.9	228.4	235.4	243.3	252.2	260.9
60°	223.2	215.2	209.6	207.2	207.5	209.3	214.8	221.3	231.2	239.8	249.1
62.5°	205.9	198.8	193.5	191.3	190.9	195.0	200.3	207.0	216.9	226.5	236.5
65°	178.2	172.6	168.3	167.1	167.9	171.0	177.8	186.8	195.1	205.3	215.8
67.5°	151.0	146.5	143.5	144.1	145.2	149.7	155.4	163.1	172.5	183.1	193.5
70°	133.8	129.4	127.0	127.3	129.1	134.7	139.7	147.3	157.5	168.3	176.9
72.5°	116.1	113.2	111.0	112.3	114.1	118.0	124.1	131.8	140.8	150.8	159.9
75°	89.0	89.0	87.9	88.8	91.6	95.2	99.9	107.9	116.8	124.8	132.2
77.5°	66.1	65.4	66.2	67.3	68.9	73.3	78.6	84.4	91.0	99.1	105.2
80°	50.5	50.9	52.4	54.3	54.9	58.2	63.8	69.1	74.3	81.0	86.9
82.5°	37.9	38.3	39.1	41.4	42.1	45.7	49.3	54.5	59.3	63.8	68.7
85°	20.7	20.7	22.2	23.1	24.6	27.1	29.3	32.4	36.7	39.8	44.4
87.5°	10.2	10.6	12.0	12.8	13.9	15.4	16.2	19.1	20.4	21.8	24.2
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°	30.0	31.8	33.0	34.1	35.3	36.4	37.2	37.9	38.7	39.4	39.8
95°	62.6	64.2	65.7	67.1	68.5	69.9	70.6	71.1	71.8	72.4	72.7
97.5°	102.3	103.9	105.6	107.3	108.9	110.6	111.4	112.1	112.8	113.6	113.9
100°	132.1	133.5	135.3	137.1	138.9	140.9	141.2	141.6	142.0	142.4	142.7
102.5°	164.1	165.0	166.7	168.4	170.1	171.7	172.3	172.9	173.5	174.0	174.4
105°	215.2	215.8	216.6	217.4	218.2	219.0	219.7	220.3	220.9	221.5	222.1
107.5°	269.7	269.9	270.1	270.1	270.3	270.4	271.0	271.6	272.1	272.7	273.0
110°	307.2	307.3	307.1	306.9	306.7	306.5	306.1	305.6	305.2	304.8	304.9



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	344.2	344.0	343.6	343.3	342.9	342.5	342.5	342.4	342.3	342.2	342.2
115°	401.2	401.1	400.7	400.3	399.8	399.4	399.3	399.0	398.8	398.6	398.4
117.5°	456.1	456.0	455.7	455.4	455.1	454.9	454.2	453.4	452.7	452.0	451.5
120°	494.7	494.9	494.2	493.6	493.0	492.4	491.4	490.4	489.3	488.3	488.0
122.5°	530.4	530.4	530.0	529.8	529.5	529.2	528.5	527.8	527.1	526.4	525.7
125°	584.4	584.3	584.2	583.9	583.7	583.5	583.1	582.7	582.3	581.9	581.5
127.5°	637.2	637.3	636.9	636.6	636.3	636.0	635.6	635.2	634.8	634.3	634.0
130°	672.5	672.8	672.8	672.8	672.8	672.8	672.4	671.9	671.5	671.1	670.5
132.5°	707.9	708.1	707.9	707.7	707.6	707.4	706.9	706.5	706.2	705.8	705.4
135°	758.7	759.3	759.3	759.3	759.3	759.3	758.9	758.5	758.0	757.6	757.2
137.5°	807.9	808.4	808.7	809.1	809.4	809.7	809.2	808.7	808.1	807.6	807.4
140°	841.9	842.1	842.1	842.1	842.1	842.1	841.9	841.7	841.5	841.3	841.1
142.5°	873.6	873.7	873.5	873.4	873.2	873.1	873.0	873.0	872.9	872.9	872.8
145°	919.0	919.6	919.7	920.0	920.1	920.4	920.1	920.0	919.7	919.6	919.1
147.5°	963.1	963.5	963.4	963.2	963.1	962.9	962.7	962.6	962.4	962.2	962.0
150°	989.0	989.4	989.4	989.4	989.4	989.4	989.4	989.4	989.4	989.4	989.3
152.5°	1012.7	1013.0	1013.2	1013.4	1013.5	1013.7	1014.2	1014.6	1015.2	1015.7	1015.7
155°	1049.2	1049.1	1048.9	1048.7	1048.5	1048.3	1049.1	1050.0	1050.8	1051.5	1051.5
157.5°	1080.1	1079.9	1079.9	1079.8	1079.8	1079.7	1080.4	1081.0	1081.6	1082.2	1082.2
160°	1099.9	1099.7	1099.5	1099.3	1099.1	1098.9	1099.5	1100.1	1100.7	1101.4	1101.1
162.5°	1116.3	1115.9	1115.7	1115.6	1115.3	1115.1	1116.2	1117.3	1118.4	1119.5	1119.6
165°	1139.7	1139.2	1138.8	1138.4	1138.0	1137.6	1138.8	1140.0	1141.2	1142.5	1142.6
167.5°	1157.0	1156.5	1156.6	1156.6	1156.7	1156.7	1157.9	1159.1	1160.4	1161.6	1161.6
170°	1166.6	1166.2	1166.4	1166.6	1166.8	1167.0	1168.2	1169.5	1170.7	1172.0	1171.8
172.5°	1174.6	1174.2	1174.3	1174.3	1174.3	1174.4	1175.8	1177.2	1178.5	1180.0	1180.0
175°	1184.1	1183.4	1183.3	1183.0	1182.9	1182.6	1184.1	1185.5	1186.9	1188.4	1188.4
177.5°	1188.2	1187.8	1187.8	1187.8	1187.8	1187.8	1189.0	1190.1	1191.3	1192.4	1192.3
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	709.0	708.5	706.8	706.5	706.8	708.5	709.0	709.6	710.3	712.7	709.8
5°	655.0	653.5	652.5	655.9	652.5	653.5	655.0	656.8	659.9	660.2	663.3
7.5°	614.3	613.0	610.3	609.4	610.3	613.0	614.3	615.4	618.5	621.1	625.7
10°	588.1	586.8	584.4	583.8	584.4	586.8	588.1	591.2	594.2	597.6	600.7
12.5°	562.9	560.5	560.0	560.6	560.0	560.5	562.9	567.0	575.0	575.0	575.6
15°	529.5	528.3	524.9	525.9	524.9	528.3	529.5	533.5	537.3	541.9	546.4
17.5°	496.6	495.1	491.0	494.6	491.0	495.1	496.6	498.8	503.5	510.1	517.0
20°	475.9	473.4	471.3	471.0	471.3	473.4	475.9	478.1	483.3	488.9	494.1
22.5°	456.1	453.9	453.8	451.7	453.8	453.9	456.1	459.5	464.8	467.9	472.9
25°	431.5	429.4	428.7	427.2	428.7	429.4	431.5	434.0	437.4	439.8	445.4
27.5°	412.6	411.5	410.4	410.9	410.4	411.5	412.6	412.9	414.5	417.7	420.9
30°	401.0	400.7	400.1	400.1	400.1	400.7	401.0	400.1	401.6	403.1	405.6
32.5°	391.4	391.3	391.7	391.7	391.7	391.3	391.4	390.0	390.5	391.1	392.3
35°	377.9	378.8	379.5	378.5	379.5	378.8	377.9	376.7	375.7	373.6	374.1
37.5°	365.7	366.6	367.5	368.5	367.5	366.6	365.7	363.1	360.9	359.0	356.8
40°	356.3	358.5	359.1	360.6	359.1	358.5	356.3	353.6	351.1	348.9	346.4
42.5°	347.5	349.8	351.4	351.7	351.4	349.8	347.5	344.7	341.0	338.3	334.9
45°	333.8	336.3	338.4	338.4	338.4	336.3	333.8	329.2	325.2	321.2	317.7
47.5°	319.7	323.3	325.4	326.0	325.4	323.3	319.7	315.0	309.3	304.4	299.5
50°	310.1	314.4	316.6	318.1	316.6	314.4	310.1	304.8	299.0	292.8	286.9
52.5°	300.7	305.0	307.9	308.7	307.9	305.0	300.7	294.2	287.2	280.5	275.4
55°	284.5	290.7	294.1	295.2	294.1	290.7	284.5	277.4	270.6	262.3	254.9
57.5°	269.2	274.9	278.8	279.7	278.8	274.9	269.2	260.9	252.2	243.3	235.4
60°	257.4	263.6	268.5	269.4	268.5	263.6	257.4	249.1	239.8	231.2	221.3
62.5°	245.3	251.7	256.1	258.6	256.1	251.7	245.3	236.5	226.5	216.9	207.0
65°	224.4	230.8	235.2	236.1	235.2	230.8	224.4	215.8	205.3	195.1	186.8
67.5°	201.6	208.0	210.9	212.7	210.9	208.0	201.6	193.5	183.1	172.5	163.1
70°	185.5	190.8	193.8	195.4	193.8	190.8	185.5	176.9	168.3	157.5	147.3
72.5°	167.3	172.8	176.3	176.7	176.3	172.8	167.3	159.9	150.8	140.8	131.8
75°	139.3	144.3	146.1	146.1	146.1	144.3	139.3	132.2	124.8	116.8	107.9
77.5°	110.3	112.8	115.2	115.7	115.2	112.8	110.3	105.2	99.1	91.0	84.4
80°	91.6	93.1	94.9	94.9	94.9	93.1	91.6	86.9	81.0	74.3	69.1
82.5°	72.3	73.6	75.4	75.2	75.4	73.6	72.3	68.7	63.8	59.3	54.5
85°	43.7	46.6	46.3	45.6	46.3	46.6	43.7	44.4	39.8	36.7	32.4
87.5°	25.0	25.3	26.1	26.7	26.1	25.3	25.0	24.2	21.8	20.4	19.1
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°	40.2	40.4	40.6	40.9	40.6	40.4	40.2	39.8	39.4	38.7	37.9
95°	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.4	71.8	71.1
97.5°	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.6	112.8	112.1
100°	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.4	142.0	141.6
102.5°	174.6	174.8	174.9	175.1	174.9	174.8	174.6	174.4	174.0	173.5	172.9
105°	222.8	223.3	223.9	224.6	223.9	223.3	222.8	222.1	221.5	220.9	220.3
107.5°	272.9	272.9	272.8	272.8	272.8	272.9	272.9	273.0	272.7	272.1	271.6
110°	305.5	306.2	306.8	307.4	306.8	306.2	305.5	304.9	304.8	305.2	305.6



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	342.4	342.5	342.6	342.8	342.6	342.5	342.4	342.2	342.2	342.3	342.4
115°	398.2	398.0	397.8	397.6	397.8	398.0	398.2	398.4	398.6	398.8	399.0
117.5°	451.1	450.7	450.3	449.9	450.3	450.7	451.1	451.5	452.0	452.7	453.4
120°	488.4	488.8	489.3	489.6	489.3	488.8	488.4	488.0	488.3	489.3	490.4
122.5°	525.0	524.3	523.5	522.8	523.5	524.3	525.0	525.7	526.4	527.1	527.8
125°	581.1	580.7	580.2	579.8	580.2	580.7	581.1	581.5	581.9	582.3	582.7
127.5°	633.7	633.3	633.0	632.6	633.0	633.3	633.7	634.0	634.3	634.8	635.2
130°	669.7	668.9	668.0	667.3	668.0	668.9	669.7	670.5	671.1	671.5	671.9
132.5°	705.0	704.7	704.4	704.1	704.4	704.7	705.0	705.4	705.8	706.2	706.5
135°	756.5	755.9	755.3	754.7	755.3	755.9	756.5	757.2	757.6	758.0	758.5
137.5°	807.6	807.6	807.8	807.9	807.8	807.6	807.6	807.4	807.6	808.1	808.7
140°	840.9	840.7	840.5	840.3	840.5	840.7	840.9	841.1	841.3	841.5	841.7
142.5°	872.8	872.7	872.7	872.7	872.7	872.7	872.8	872.8	872.9	872.9	873.0
145°	918.5	917.9	917.3	916.7	917.3	917.9	918.5	919.1	919.6	919.7	920.0
147.5°	961.9	961.6	961.4	961.2	961.4	961.6	961.9	962.0	962.2	962.4	962.6
150°	989.0	988.9	988.6	988.5	988.6	988.9	989.0	989.3	989.4	989.4	989.4
152.5°	1015.1	1014.5	1014.0	1013.5	1014.0	1014.5	1015.1	1015.7	1015.7	1015.2	1014.6
155°	1050.8	1050.0	1049.1	1048.3	1049.1	1050.0	1050.8	1051.5	1051.5	1050.8	1050.0
157.5°	1081.5	1080.8	1080.1	1079.4	1080.1	1080.8	1081.5	1082.2	1082.2	1081.6	1081.0
160°	1100.1	1099.1	1098.1	1097.1	1098.1	1099.1	1100.1	1101.1	1101.4	1100.7	1100.1
162.5°	1118.6	1117.5	1116.5	1115.5	1116.5	1117.5	1118.6	1119.6	1119.5	1118.4	1117.3
165°	1141.9	1141.1	1140.2	1139.4	1140.2	1141.1	1141.9	1142.6	1142.5	1141.2	1140.0
167.5°	1160.3	1159.0	1157.8	1156.5	1157.8	1159.0	1160.3	1161.6	1161.6	1160.4	1159.1
170°	1170.4	1168.9	1167.5	1166.1	1167.5	1168.9	1170.4	1171.8	1172.0	1170.7	1169.5
172.5°	1178.5	1177.0	1175.6	1174.2	1175.6	1177.0	1178.5	1180.0	1180.0	1178.5	1177.2
175°	1186.9	1185.5	1184.1	1182.6	1184.1	1185.5	1186.9	1188.4	1188.4	1186.9	1185.5
177.5°	1191.0	1189.7	1188.4	1187.1	1188.4	1189.7	1191.0	1192.3	1192.4	1191.3	1190.1
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	711.2	712.3	716.2	719.9	724.3	727.5	729.8	732.2	737.4	741.6	745.5
5°	666.4	667.9	676.0	681.5	691.0	699.3	705.8	712.9	721.3	732.6	743.1
7.5°	626.9	632.6	641.4	650.4	660.1	671.0	680.5	691.2	705.5	721.2	737.4
10°	604.4	610.9	620.1	630.7	639.8	652.5	664.2	676.8	693.2	712.3	731.4
12.5°	582.0	592.6	599.7	612.1	622.1	632.6	645.0	661.6	680.6	700.7	723.7
15°	553.9	559.8	573.3	580.1	594.2	610.3	622.6	639.3	657.7	684.3	710.1
17.5°	521.4	529.2	540.0	552.9	569.2	581.7	597.1	614.2	637.5	663.8	696.2
20°	500.3	506.8	520.0	534.2	551.4	564.7	581.0	597.6	621.7	649.7	683.7
22.5°	481.3	487.5	501.5	514.7	531.5	547.6	564.7	584.1	607.1	636.7	671.3
25°	451.9	460.2	472.5	486.1	502.1	520.6	539.1	556.3	581.0	612.1	649.1
27.5°	425.8	432.5	441.4	456.8	475.0	492.8	511.2	532.9	556.6	589.5	627.9
30°	409.0	415.2	424.1	438.3	455.3	474.4	493.5	514.4	539.1	571.7	610.9
32.5°	395.7	400.4	408.4	421.0	436.5	456.6	475.5	497.2	523.1	555.2	593.4
35°	376.0	380.0	383.1	395.1	409.0	427.5	446.6	469.8	494.7	525.2	563.4
37.5°	356.7	358.1	362.6	370.5	383.9	400.9	418.7	441.4	467.0	498.0	532.5
40°	344.9	345.5	348.3	355.7	367.4	383.4	400.7	423.2	447.5	476.8	511.0
42.5°	333.4	333.0	335.5	340.6	351.6	366.1	383.2	403.7	428.1	455.1	487.4
45°	315.0	315.0	314.4	318.7	327.6	341.8	356.0	375.7	396.1	422.6	449.7
47.5°	295.9	294.1	294.7	296.9	304.4	316.1	330.4	346.6	364.5	387.0	410.7
50°	283.6	281.1	280.2	282.7	289.4	299.6	313.1	327.3	344.3	364.0	384.4
52.5°	270.0	267.5	265.9	267.6	273.9	283.3	295.6	308.1	323.3	339.4	357.0
55°	249.1	246.3	245.3	246.0	250.6	258.0	268.5	279.9	291.3	304.5	316.9
57.5°	228.4	223.9	223.0	222.7	225.9	232.7	241.4	251.3	259.6	267.6	280.7
60°	214.8	209.3	207.5	207.2	209.6	215.2	223.2	233.0	238.8	244.4	255.8
62.5°	200.3	195.0	190.9	191.3	193.5	198.8	205.9	213.0	216.9	223.0	230.7
65°	177.8	171.0	167.9	167.1	168.3	172.6	178.2	182.8	187.1	189.6	196.9
67.5°	155.4	149.7	145.2	144.1	143.5	146.5	151.0	153.8	156.9	159.1	163.4
70°	139.7	134.7	129.1	127.3	127.0	129.4	133.8	134.1	138.4	139.3	143.9
72.5°	124.1	118.0	114.1	112.3	111.0	113.2	116.1	116.8	119.1	120.8	123.3
75°	99.9	95.2	91.6	88.8	87.9	89.0	89.0	90.6	92.1	93.1	95.9
77.5°	78.6	73.3	68.9	67.3	66.2	65.4	66.1	67.0	66.3	67.9	68.5
80°	63.8	58.2	54.9	54.3	52.4	50.9	50.5	51.5	50.2	50.9	52.7
82.5°	49.3	45.7	42.1	41.4	39.1	38.3	37.9	37.4	37.4	37.3	37.6
85°	29.3	27.1	24.6	23.1	22.2	20.7	20.7	20.0	19.4	18.8	19.1
87.5°	16.2	15.4	13.9	12.8	12.0	10.6	10.2	9.0	8.3	7.7	7.0
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°	37.2	36.4	35.3	34.1	33.0	31.8	30.0	27.4	24.9	22.3	19.7
95°	70.6	69.9	68.5	67.1	65.7	64.2	62.6	60.8	58.9	57.0	55.2
97.5°	111.4	110.6	108.9	107.3	105.6	103.9	102.3	100.8	99.4	97.9	96.5
100°	141.2	140.9	138.9	137.1	135.3	133.5	132.1	131.3	130.5	129.7	128.9
102.5°	172.3	171.7	170.1	168.4	166.7	165.0	164.1	163.7	163.3	163.0	162.7
105°	219.7	219.0	218.2	217.4	216.6	215.8	215.2	215.1	214.8	214.7	214.4
107.5°	271.0	270.4	270.3	270.1	270.1	269.9	269.7	269.5	269.3	269.0	268.7
110°	306.1	306.5	306.7	306.9	307.1	307.3	307.2	306.8	306.3	305.9	305.5



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	342.5	342.5	342.9	343.3	343.6	344.0	344.2	344.1	344.0	344.0	343.8
115°	399.3	399.4	399.8	400.3	400.7	401.1	401.2	401.2	401.2	401.2	401.2
117.5°	454.2	454.9	455.1	455.4	455.7	456.0	456.1	455.9	455.7	455.6	455.4
120°	491.4	492.4	493.0	493.6	494.2	494.9	494.7	493.9	493.1	492.3	491.5
122.5°	528.5	529.2	529.5	529.8	530.0	530.4	530.4	530.0	529.7	529.3	529.0
125°	583.1	583.5	583.7	583.9	584.2	584.3	584.4	584.4	584.4	584.4	584.4
127.5°	635.6	636.0	636.3	636.6	636.9	637.3	637.2	636.5	635.9	635.3	634.7
130°	672.4	672.8	672.8	672.8	672.8	672.8	672.5	671.8	671.2	670.7	670.0
132.5°	706.9	707.4	707.6	707.7	707.9	708.1	707.9	707.4	707.0	706.5	706.1
135°	758.9	759.3	759.3	759.3	759.3	759.3	758.7	757.5	756.2	755.0	753.8
137.5°	809.2	809.7	809.4	809.1	808.7	808.4	807.9	807.4	806.8	806.3	805.6
140°	841.9	842.1	842.1	842.1	842.1	842.1	841.9	841.5	841.1	840.7	840.3
142.5°	873.0	873.1	873.2	873.4	873.5	873.7	873.6	873.1	872.7	872.4	872.0
145°	920.1	920.4	920.1	920.0	919.7	919.6	919.0	918.2	917.4	916.6	915.8
147.5°	962.7	962.9	963.1	963.2	963.4	963.5	963.1	962.1	961.2	960.2	959.2
150°	989.4	989.4	989.4	989.4	989.4	989.4	989.0	988.2	987.4	986.5	985.7
152.5°	1014.2	1013.7	1013.5	1013.4	1013.2	1013.0	1012.7	1012.2	1011.7	1011.2	1010.7
155°	1049.1	1048.3	1048.5	1048.7	1048.9	1049.1	1049.2	1049.2	1049.2	1049.2	1049.2
157.5°	1080.4	1079.7	1079.8	1079.8	1079.9	1079.9	1080.1	1080.5	1080.9	1081.2	1081.6
160°	1099.5	1098.9	1099.1	1099.3	1099.5	1099.7	1099.9	1100.1	1100.3	1100.6	1100.7
162.5°	1116.2	1115.1	1115.3	1115.6	1115.7	1115.9	1116.3	1116.8	1117.4	1117.8	1118.4
165°	1138.8	1137.6	1138.0	1138.4	1138.8	1139.2	1139.7	1140.3	1140.9	1141.5	1142.2
167.5°	1157.9	1156.7	1156.7	1156.6	1156.6	1156.5	1157.0	1157.8	1158.6	1159.5	1160.4
170°	1168.2	1167.0	1166.8	1166.6	1166.4	1166.2	1166.6	1167.6	1168.6	1169.7	1170.7
172.5°	1175.8	1174.4	1174.3	1174.3	1174.3	1174.2	1174.6	1175.4	1176.3	1177.2	1178.1
175°	1184.1	1182.6	1182.9	1183.0	1183.3	1183.4	1184.1	1185.1	1186.1	1187.2	1188.2
177.5°	1189.0	1187.8	1187.8	1187.8	1187.8	1187.8	1188.2	1189.1	1189.9	1190.6	1191.5
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	749.0	751.5	754.6	760.1	762.1	764.5	767.9	767.7	768.7	772.4	780.3
5°	751.8	761.3	770.6	781.6	793.4	801.1	811.6	818.0	824.5	832.8	847.0
7.5°	752.9	768.0	785.0	804.5	821.8	841.8	857.4	872.0	885.3	902.9	919.7
10°	751.1	771.5	793.4	818.0	844.2	866.4	886.5	909.3	928.7	949.9	969.1
12.5°	747.9	772.5	801.8	829.3	860.0	892.8	917.7	940.8	966.6	991.1	1020.6
15°	740.7	774.3	808.5	844.9	885.8	923.8	959.8	989.7	1017.5	1054.2	1092.7
17.5°	731.4	767.6	810.8	854.8	897.7	941.0	985.6	1030.5	1065.6	1111.1	1141.3
20°	722.8	764.7	809.1	861.5	904.4	958.3	1002.7	1046.1	1094.2	1139.5	1175.6
22.5°	710.7	756.5	803.7	855.8	912.2	966.1	1017.5	1064.6	1112.7	1162.0	1205.6
25°	695.4	737.0	792.7	851.9	908.0	966.6	1025.5	1084.7	1136.4	1188.5	1229.2
27.5°	669.2	721.8	773.7	834.8	897.1	963.4	1026.4	1088.3	1142.5	1185.3	1210.6
30°	655.9	701.5	758.0	819.3	886.8	958.0	1023.6	1084.3	1134.9	1169.1	1179.2
32.5°	636.2	683.3	738.5	802.0	873.5	946.6	1014.9	1072.2	1114.4	1132.3	1120.1
35°	606.9	649.4	705.2	770.2	844.5	922.5	990.0	1038.4	1060.0	1043.1	1000.8
37.5°	571.7	613.9	669.9	733.8	810.7	889.9	951.0	985.8	978.7	936.5	873.5
40°	547.1	586.5	639.8	708.9	783.8	863.3	917.0	935.8	916.1	855.6	788.8
42.5°	519.8	558.2	611.7	678.3	757.6	831.0	877.7	879.3	846.3	774.0	706.9
45°	478.1	514.8	565.3	634.6	708.0	777.1	807.9	792.7	731.7	662.0	594.5
47.5°	437.0	468.7	518.6	584.4	654.0	712.2	727.5	700.3	635.3	567.6	505.0
50°	406.9	438.9	485.8	548.7	615.8	666.1	673.4	637.4	573.6	505.5	456.5
52.5°	378.0	409.8	455.0	513.1	574.6	620.0	620.2	578.5	514.9	454.2	408.6
55°	335.6	364.3	405.0	457.1	512.0	547.4	538.8	495.6	440.5	387.8	348.0
57.5°	294.9	319.8	357.3	400.8	449.1	478.3	464.0	422.5	373.2	328.5	298.3
60°	268.5	292.2	324.2	365.3	405.9	428.7	415.2	377.6	332.2	296.2	270.0
62.5°	242.8	262.8	293.7	329.2	366.9	383.9	371.8	334.7	295.6	262.9	241.6
65°	206.5	222.8	247.5	278.1	305.5	320.0	309.7	275.2	245.3	221.9	204.9
67.5°	172.6	185.4	204.1	228.5	251.8	259.7	250.4	226.3	201.1	182.3	170.3
70°	149.2	161.2	176.9	195.7	216.0	224.4	215.2	196.1	175.4	158.1	146.4
72.5°	128.7	138.0	151.3	167.4	183.2	191.6	185.3	166.9	149.5	136.7	126.7
75°	98.0	106.0	115.3	126.7	139.0	144.6	139.0	126.4	114.3	104.8	97.7
77.5°	71.3	75.6	82.7	91.3	98.9	103.2	98.4	89.8	82.5	76.0	72.4
80°	54.3	57.4	62.3	69.1	74.3	78.3	75.2	68.1	62.3	57.9	56.4
82.5°	39.5	41.5	44.8	49.8	53.3	55.4	54.0	48.9	46.5	42.6	41.1
85°	19.4	20.7	22.8	24.3	27.4	27.7	28.0	25.9	23.8	22.8	21.5
87.5°	7.7	8.3	9.6	10.8	12.1	12.7	12.8	13.1	12.4	12.4	11.7
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°	22.3	24.9	27.4	30.0	31.8	33.0	34.1	35.3	36.4	37.2	37.9
95°	57.0	58.9	60.8	62.6	64.2	65.7	67.1	68.5	69.9	70.6	71.1
97.5°	97.9	99.4	100.8	102.3	103.9	105.6	107.3	108.9	110.6	111.4	112.1
100°	129.7	130.5	131.3	132.1	133.5	135.3	137.1	138.9	140.9	141.2	141.6
102.5°	163.0	163.3	163.7	164.1	165.0	166.7	168.4	170.1	171.7	172.3	172.9
105°	214.7	214.8	215.1	215.2	215.8	216.6	217.4	218.2	219.0	219.7	220.3
107.5°	269.0	269.3	269.5	269.7	269.9	270.1	270.1	270.3	270.4	271.0	271.6
110°	305.9	306.3	306.8	307.2	307.3	307.1	306.9	306.7	306.5	306.1	305.6



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	344.0	344.0	344.1	344.2	344.0	343.6	343.3	342.9	342.5	342.5	342.4
115°	401.2	401.2	401.2	401.2	401.1	400.7	400.3	399.8	399.4	399.3	399.0
117.5°	455.6	455.7	455.9	456.1	456.0	455.7	455.4	455.1	454.9	454.2	453.4
120°	492.3	493.1	493.9	494.7	494.9	494.2	493.6	493.0	492.4	491.4	490.4
122.5°	529.3	529.7	530.0	530.4	530.4	530.0	529.8	529.5	529.2	528.5	527.8
125°	584.4	584.4	584.4	584.4	584.3	584.2	583.9	583.7	583.5	583.1	582.7
127.5°	635.3	635.9	636.5	637.2	637.3	636.9	636.6	636.3	636.0	635.6	635.2
130°	670.7	671.2	671.8	672.5	672.8	672.8	672.8	672.8	672.8	672.4	671.9
132.5°	706.5	707.0	707.4	707.9	708.1	707.9	707.7	707.6	707.4	706.9	706.5
135°	755.0	756.2	757.5	758.7	759.3	759.3	759.3	759.3	759.3	758.9	758.5
137.5°	806.3	806.8	807.4	807.9	808.4	808.7	809.1	809.4	809.7	809.2	808.7
140°	840.7	841.1	841.5	841.9	842.1	842.1	842.1	842.1	842.1	841.9	841.7
142.5°	872.4	872.7	873.1	873.6	873.7	873.5	873.4	873.2	873.1	873.0	873.0
145°	916.6	917.4	918.2	919.0	919.6	919.7	920.0	920.1	920.4	920.1	920.0
147.5°	960.2	961.2	962.1	963.1	963.5	963.4	963.2	963.1	962.9	962.7	962.6
150°	986.5	987.4	988.2	989.0	989.4	989.4	989.4	989.4	989.4	989.4	989.4
152.5°	1011.2	1011.7	1012.2	1012.7	1013.0	1013.2	1013.4	1013.5	1013.7	1014.2	1014.6
155°	1049.2	1049.2	1049.2	1049.2	1049.1	1048.9	1048.7	1048.5	1048.3	1049.1	1050.0
157.5°	1081.2	1080.9	1080.5	1080.1	1079.9	1079.9	1079.8	1079.8	1079.7	1080.4	1081.0
160°	1100.6	1100.3	1100.1	1099.9	1099.7	1099.5	1099.3	1099.1	1098.9	1099.5	1100.1
162.5°	1117.8	1117.4	1116.8	1116.3	1115.9	1115.7	1115.6	1115.3	1115.1	1116.2	1117.3
165°	1141.5	1140.9	1140.3	1139.7	1139.2	1138.8	1138.4	1138.0	1137.6	1138.8	1140.0
167.5°	1159.5	1158.6	1157.8	1157.0	1156.5	1156.6	1156.6	1156.7	1156.7	1157.9	1159.1
170°	1169.7	1168.6	1167.6	1166.6	1166.2	1166.4	1166.6	1166.8	1167.0	1168.2	1169.5
172.5°	1177.2	1176.3	1175.4	1174.6	1174.2	1174.3	1174.3	1174.3	1174.4	1175.8	1177.2
175°	1187.2	1186.1	1185.1	1184.1	1183.4	1183.3	1183.0	1182.9	1182.6	1184.1	1185.5
177.5°	1190.6	1189.9	1189.1	1188.2	1187.8	1187.8	1187.8	1187.8	1187.8	1189.0	1190.1
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	784.3	784.7	787.0	788.7	789.2	791.6	791.9
5°	853.2	858.4	868.5	869.5	871.0	879.1	872.9
7.5°	933.9	947.2	956.1	963.9	966.8	970.3	969.6
10°	985.7	1005.4	1015.3	1031.0	1031.7	1035.6	1033.2
12.5°	1037.8	1060.7	1078.6	1081.6	1094.7	1096.8	1100.3
15°	1111.4	1135.8	1160.8	1169.7	1187.9	1192.2	1199.0
17.5°	1180.7	1205.6	1223.1	1246.3	1253.7	1263.7	1257.0
20°	1218.7	1245.9	1268.0	1286.2	1294.0	1299.5	1298.9
22.5°	1241.7	1269.0	1287.0	1300.8	1308.0	1310.3	1310.2
25°	1256.0	1271.8	1277.3	1282.5	1274.5	1271.8	1273.0
27.5°	1216.1	1212.0	1197.5	1178.5	1158.8	1143.1	1134.6
30°	1161.1	1137.0	1115.2	1077.0	1057.2	1045.5	1035.0
32.5°	1083.2	1045.0	1003.0	968.0	945.5	928.1	925.5
35°	949.7	892.3	840.8	798.0	775.8	757.0	752.7
37.5°	807.4	747.8	701.5	663.7	639.8	626.6	614.3
40°	712.9	661.8	616.2	584.1	565.9	556.3	548.7
42.5°	640.2	593.4	548.1	523.6	507.2	501.4	496.9
45°	539.7	496.2	464.8	446.3	436.7	426.9	422.2
47.5°	459.2	423.9	403.1	387.5	377.2	371.4	368.4
50°	413.6	384.7	366.1	354.2	344.9	340.2	337.8
52.5°	373.2	349.4	333.9	324.3	318.1	314.7	313.6
55°	321.5	303.3	293.4	285.1	280.5	277.4	276.2
57.5°	279.4	265.5	257.5	250.6	248.8	246.2	245.3
60°	251.8	241.1	234.2	229.7	228.1	225.0	225.6
62.5°	227.4	218.6	212.8	210.2	208.1	205.5	206.4
65°	192.3	185.8	182.8	180.3	177.8	176.3	177.5
67.5°	161.4	156.9	152.7	151.3	150.1	149.9	148.5
70°	141.2	137.4	133.8	132.8	132.8	131.6	131.3
72.5°	121.7	119.0	116.5	115.8	114.9	115.3	114.1
75°	94.0	91.8	90.9	90.0	89.7	89.7	88.8
77.5°	69.5	67.9	66.4	66.4	65.3	64.9	64.7
80°	52.7	52.1	50.9	50.9	50.2	50.5	49.9
82.5°	39.6	38.7	38.5	38.0	37.2	37.2	36.6
85°	21.2	20.4	20.0	19.1	18.5	19.1	18.5
87.5°	12.2	12.2	12.1	11.7	11.5	11.6	10.9
90°	23.9	25.2	26.0	26.4	26.8	27.2	27.6
92.5°	38.7	39.4	39.8	40.2	40.4	40.6	40.9
95°	71.8	72.4	72.7	72.7	72.7	72.7	72.7
97.5°	112.8	113.6	113.9	113.9	113.9	113.9	113.9
100°	142.0	142.4	142.7	142.7	142.7	142.7	142.7
102.5°	173.5	174.0	174.4	174.6	174.8	174.9	175.1
105°	220.9	221.5	222.1	222.8	223.3	223.9	224.6
107.5°	272.1	272.7	273.0	272.9	272.9	272.8	272.8
110°	305.2	304.8	304.9	305.5	306.2	306.8	307.4



TEST NUMBER: P332572-927

CATALOG NUMBER: SA4XXDIP-C575D1205U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	342.3	342.2	342.2	342.4	342.5	342.6	342.8
115°	398.8	398.6	398.4	398.2	398.0	397.8	397.6
117.5°	452.7	452.0	451.5	451.1	450.7	450.3	449.9
120°	489.3	488.3	488.0	488.4	488.8	489.3	489.6
122.5°	527.1	526.4	525.7	525.0	524.3	523.5	522.8
125°	582.3	581.9	581.5	581.1	580.7	580.2	579.8
127.5°	634.8	634.3	634.0	633.7	633.3	633.0	632.6
130°	671.5	671.1	670.5	669.7	668.9	668.0	667.3
132.5°	706.2	705.8	705.4	705.0	704.7	704.4	704.1
135°	758.0	757.6	757.2	756.5	755.9	755.3	754.7
137.5°	808.1	807.6	807.4	807.6	807.6	807.8	807.9
140°	841.5	841.3	841.1	840.9	840.7	840.5	840.3
142.5°	872.9	872.9	872.8	872.8	872.7	872.7	872.7
145°	919.7	919.6	919.1	918.5	917.9	917.3	916.7
147.5°	962.4	962.2	962.0	961.9	961.6	961.4	961.2
150°	989.4	989.4	989.3	989.0	988.9	988.6	988.5
152.5°	1015.2	1015.7	1015.7	1015.1	1014.5	1014.0	1013.5
155°	1050.8	1051.5	1051.5	1050.8	1050.0	1049.1	1048.3
157.5°	1081.6	1082.2	1082.2	1081.5	1080.8	1080.1	1079.4
160°	1100.7	1101.4	1101.1	1100.1	1099.1	1098.1	1097.1
162.5°	1118.4	1119.5	1119.6	1118.6	1117.5	1116.5	1115.5
165°	1141.2	1142.5	1142.6	1141.9	1141.1	1140.2	1139.4
167.5°	1160.4	1161.6	1161.6	1160.3	1159.0	1157.8	1156.5
170°	1170.7	1172.0	1171.8	1170.4	1168.9	1167.5	1166.1
172.5°	1178.5	1180.0	1180.0	1178.5	1177.0	1175.6	1174.2
175°	1186.9	1188.4	1188.4	1186.9	1185.5	1184.1	1182.6
177.5°	1191.3	1192.4	1192.3	1191.0	1189.7	1188.4	1187.1
180°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0

(END OF REPORT)