

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: P332563-840

Luminaire Tested: **SA4XXDIP-C575D1035U840-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332563-840
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-C575D1035U840-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

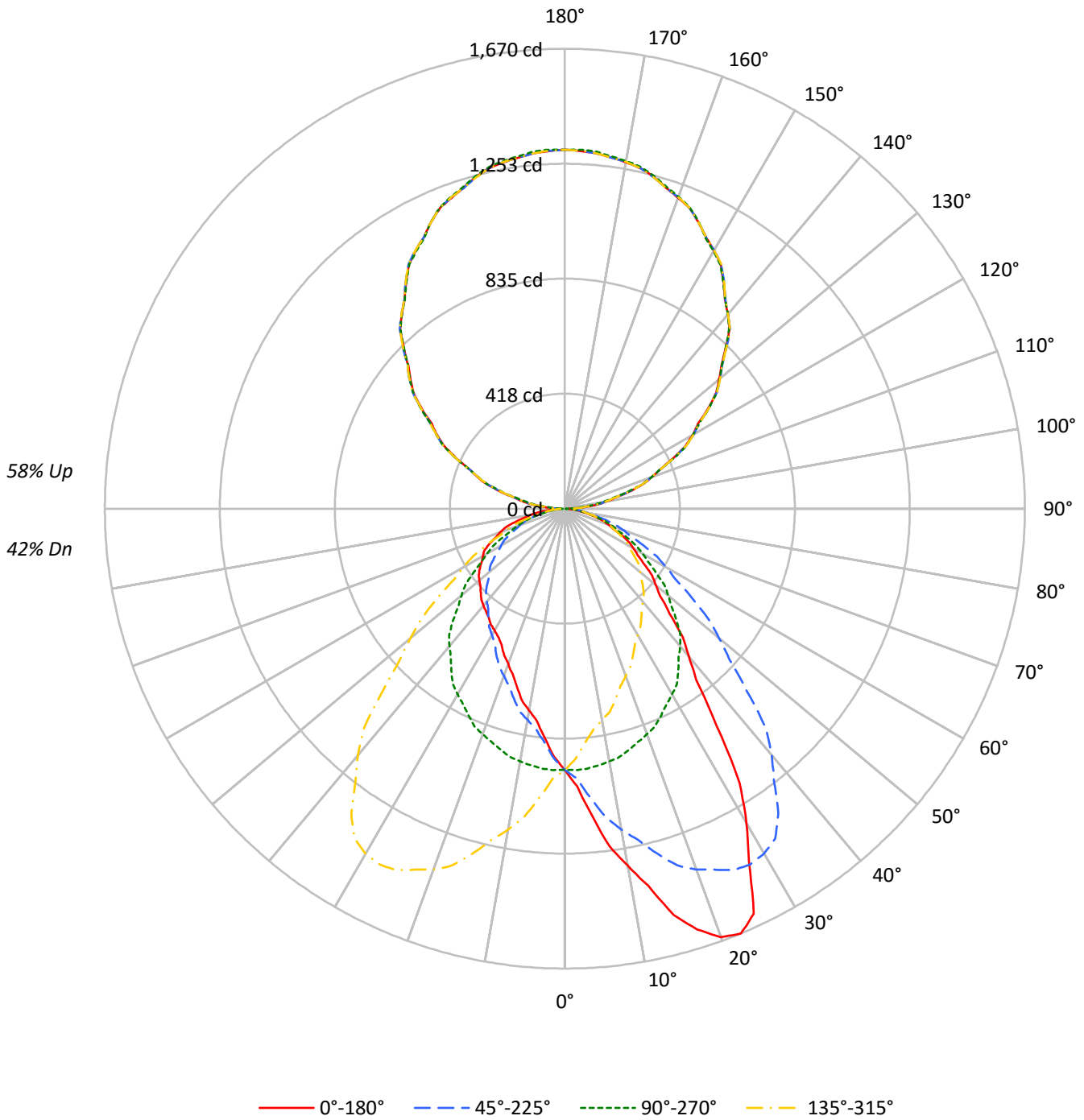
Lumens per Lamp: N/A
Luminaire Lumens: 6236.9 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42				
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	42	36				
2	88	80	75	70	80	74	69	64	61	57	54	49	47	44	38	37	35	30				
3	80	71	64	58	73	65	59	54	54	49	46	44	40	38	34	32	30	26				
4	73	63	55	49	67	58	51	46	48	43	39	39	35	33	31	28	26	22				
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	19				
6	62	50	42	37	56	46	39	34	39	33	29	32	28	25	25	22	20	17				
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15				
8	53	41	34	28	49	38	31	27	32	27	23	26	22	20	21	18	16	14				
9	50	38	30	25	45	35	28	24	29	24	21	24	20	18	20	17	15	12				
10	46	34	27	23	42	32	26	21	27	22	19	22	19	16	18	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7657	7657	7657	7657
5°	9018	7678	6776	7678
10°	10797	7643	6101	7643
15°	12774	7565	5602	7565
20°	14225	7487	5158	7487
25°	14455	7371	4851	7371
30°	12299	7260	4754	7260
35°	9456	7078	4755	7078
40°	7371	6866	4845	6866
45°	6146	6545	4925	6545
50°	5408	6154	5093	6154
55°	4954	5685	5298	5685
60°	4644	5265	5546	5265
65°	4323	4797	5748	4797
70°	3949	4331	5880	4331
75°	3531	3812	5808	3812
80°	2957	3124	5625	3124
85°	2177	2251	5391	2251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	1.5
10°-20°	284.8	4.6
20°-30°	451.7	7.2
30°-40°	502.6	8.1
40°-50°	457.5	7.3
50°-60°	373.9	6.0
60°-70°	266.9	4.3
70°-80°	147.0	2.4
80°-90°	44.0	0.7
90°-100°	86.0	1.4
100°-110°	254.7	4.1
110°-120°	432.2	6.9
120°-130°	569.9	9.1
130°-140°	640.1	10.3
140°-150°	629.0	10.1
150°-160°	529.0	8.5
160°-170°	352.0	5.6
170°-180°	123.2	2.0
0°-30°	828.9	13.3
0°-40°	1331.5	21.3
0°-60°	2162.9	34.7
0°-90°	2620.9	42.0
90°-120°	772.9	12.4
90°-150°	2611.8	41.9
90°-180°	3616.0	58.0
0°-180°	6236.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	948	948	948	948	948	
5°	1113	947	836	947	1113	113
15°	1528	905	670	905	1528	432
25°	1623	828	545	828	1623	715
35°	960	718	482	718	960	609
45°	538	573	431	573	538	424
55°	352	404	376	404	352	318
65°	226	251	301	251	226	224
75°	113	122	186	122	113	120
85°	24	24	58	24	24	29
90°	30	3	30	3	30	16
95°	80	60	80	60	80	83
105°	246	235	246	235	246	259
115°	436	440	436	440	436	430
125°	635	640	635	640	635	566
135°	827	826	827	826	827	638
145°	1004	1003	1004	1003	1004	628
155°	1148	1149	1148	1149	1148	528
165°	1248	1251	1248	1251	1248	351
175°	1295	1301	1295	1301	1295	123
180°	1303	1303	1303	1303	1303	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	1009.5	1009.2	1006.0	1005.4	1003.2	1000.4	999.8	994.7	984.6	980.0	978.7
5°	1112.8	1120.6	1110.3	1108.4	1107.2	1094.3	1087.6	1079.7	1061.7	1051.1	1042.8
7.5°	1236.0	1236.9	1232.4	1228.8	1218.8	1207.5	1190.5	1172.5	1150.9	1128.5	1111.7
10°	1317.1	1320.2	1315.1	1314.3	1294.2	1281.7	1256.6	1235.4	1210.9	1183.9	1159.1
12.5°	1402.6	1398.2	1395.5	1378.8	1375.0	1352.1	1322.9	1301.0	1263.4	1232.2	1199.3
15°	1528.4	1519.8	1514.3	1491.2	1479.8	1447.9	1416.8	1392.9	1343.8	1297.1	1261.6
17.5°	1602.4	1610.9	1598.2	1588.7	1559.2	1536.9	1505.2	1454.9	1416.4	1358.4	1313.7
20°	1655.8	1656.6	1649.5	1639.6	1616.5	1588.2	1553.6	1498.6	1452.6	1394.8	1333.5
22.5°	1670.2	1670.4	1667.4	1658.2	1640.6	1617.7	1582.9	1536.9	1481.3	1418.5	1357.2
25°	1622.8	1621.2	1624.8	1635.0	1628.3	1621.2	1601.1	1567.0	1515.1	1448.7	1382.7
27.5°	1446.4	1457.2	1477.2	1502.4	1526.6	1545.0	1550.2	1543.3	1511.1	1456.4	1387.4
30°	1319.4	1332.8	1347.7	1372.9	1421.6	1449.5	1480.2	1503.3	1490.4	1446.7	1382.3
32.5°	1179.8	1183.2	1205.3	1234.0	1278.6	1332.2	1380.8	1427.8	1443.5	1420.7	1366.9
35°	959.5	965.0	989.0	1017.2	1071.9	1137.5	1210.6	1275.8	1329.7	1351.3	1323.7
37.5°	783.0	798.8	815.7	846.1	894.2	953.3	1029.3	1113.6	1193.9	1247.6	1256.7
40°	699.4	709.2	721.4	744.6	785.5	843.6	908.8	1005.5	1090.8	1167.8	1193.0
42.5°	633.4	639.1	646.6	667.5	698.7	756.5	816.1	901.1	986.7	1078.8	1121.0
45°	538.3	544.2	556.7	569.0	592.5	632.6	688.0	757.9	843.9	932.8	1010.6
47.5°	469.6	473.4	480.9	493.9	513.9	540.4	585.4	643.8	723.6	809.8	892.7
50°	430.6	433.7	439.7	451.5	466.8	490.4	527.3	581.9	644.4	731.2	812.5
52.5°	399.8	401.1	405.5	413.4	425.7	445.5	475.7	520.9	579.1	656.4	737.4
55°	352.0	353.7	357.6	363.5	374.1	386.7	409.8	443.6	494.3	561.5	631.8
57.5°	312.8	313.9	317.2	319.4	328.2	338.4	356.2	380.3	418.8	475.7	538.6
60°	287.6	286.8	290.7	292.8	298.6	307.3	321.0	344.2	377.6	423.5	481.3
62.5°	263.1	262.0	265.3	267.9	271.2	278.6	289.9	308.0	335.2	376.8	426.7
65°	226.3	224.8	226.7	229.8	233.0	236.9	245.2	261.3	282.9	312.8	350.8
67.5°	189.3	191.1	191.4	192.9	194.7	200.1	205.7	217.1	232.4	256.3	288.5
70°	167.3	167.7	169.4	169.4	170.6	175.2	180.0	186.6	201.6	223.6	249.9
72.5°	145.4	147.0	146.4	147.6	148.6	151.7	155.1	161.5	174.2	190.6	212.8
75°	113.2	114.3	114.3	114.7	115.9	117.0	119.9	124.5	133.6	145.7	161.1
77.5°	82.5	82.7	83.2	84.6	84.6	86.5	88.6	92.3	96.8	105.1	114.5
80°	63.6	64.4	64.0	64.8	64.8	66.4	67.2	71.9	73.8	79.4	86.8
82.5°	46.7	47.5	47.4	48.5	49.1	49.4	50.5	52.4	54.3	59.3	62.3
85°	23.5	24.3	23.5	24.3	25.5	26.0	27.1	27.5	29.1	30.3	33.0
87.5°	12.9	13.8	13.7	13.9	14.4	14.6	14.6	14.1	15.0	15.1	16.1
90°	30.2	29.8	29.4	28.9	28.5	27.6	26.3	24.8	23.5	22.2	20.4
92.5°	44.7	44.5	44.2	43.9	43.7	43.1	42.3	41.5	40.7	39.9	38.7
95°	79.7	79.7	79.7	79.7	79.7	79.3	78.7	78.0	77.3	76.6	75.0
97.5°	124.8	124.8	124.8	124.8	124.8	124.4	123.6	122.8	122.0	121.2	119.4
100°	156.2	156.2	156.2	156.2	156.2	156.0	155.5	155.1	154.7	154.2	152.2
102.5°	191.7	191.6	191.4	191.2	191.0	190.6	190.0	189.3	188.7	188.1	186.2
105°	245.9	245.3	244.6	243.9	243.3	242.6	242.0	241.3	240.5	239.9	239.0
107.5°	298.7	298.8	298.8	298.9	298.9	298.6	298.0	297.4	296.8	296.2	296.0
110°	336.7	336.0	335.3	334.7	334.0	333.9	334.3	334.8	335.2	335.7	335.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	375.4	375.3	375.1	375.0	374.9	374.9	374.9	375.0	375.1	375.2	375.6
115°	435.5	435.7	435.9	436.2	436.4	436.6	436.8	437.0	437.3	437.5	437.9
117.5°	492.7	493.1	493.6	494.0	494.5	495.1	495.8	496.7	497.4	498.2	498.5
120°	536.2	535.8	535.3	534.9	534.4	534.8	535.9	537.0	538.2	539.3	540.0
122.5°	572.5	573.3	574.1	574.9	575.7	576.5	577.3	578.0	578.9	579.6	579.9
125°	635.0	635.5	635.9	636.4	636.8	637.2	637.7	638.1	638.6	639.0	639.2
127.5°	692.9	693.3	693.6	694.0	694.3	694.7	695.2	695.6	696.1	696.5	696.9
130°	730.7	731.6	732.6	733.5	734.4	735.1	735.5	736.0	736.4	736.8	736.8
132.5°	771.1	771.4	771.8	772.1	772.5	773.0	773.4	773.9	774.3	774.8	774.9
135°	826.6	827.2	827.9	828.6	829.2	829.8	830.2	830.7	831.1	831.6	831.6
137.5°	884.8	884.6	884.5	884.4	884.2	884.5	885.0	885.7	886.3	886.9	886.5
140°	920.3	920.5	920.7	921.0	921.2	921.4	921.6	921.9	922.1	922.3	922.3
142.5°	955.7	955.8	955.8	955.9	955.9	956.0	956.0	956.0	956.1	956.1	956.3
145°	1003.9	1004.6	1005.3	1005.9	1006.6	1007.0	1007.3	1007.5	1007.7	1007.9	1007.7
147.5°	1052.8	1053.0	1053.2	1053.4	1053.6	1053.8	1054.0	1054.2	1054.4	1054.6	1054.7
150°	1082.6	1082.8	1083.0	1083.3	1083.5	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6
152.5°	1109.9	1110.5	1111.2	1111.8	1112.4	1112.4	1111.8	1111.3	1110.8	1110.1	1110.0
155°	1148.1	1149.0	1149.9	1150.7	1151.7	1151.7	1150.7	1149.9	1149.0	1148.1	1148.3
157.5°	1182.1	1183.0	1183.7	1184.5	1185.2	1185.3	1184.6	1183.9	1183.3	1182.6	1182.7
160°	1201.5	1202.6	1203.8	1204.9	1206.0	1206.2	1205.6	1204.9	1204.2	1203.6	1203.8
162.5°	1221.6	1222.8	1224.0	1225.1	1226.2	1226.1	1224.9	1223.7	1222.4	1221.2	1221.5
165°	1247.9	1248.8	1249.7	1250.6	1251.4	1251.2	1249.9	1248.6	1247.2	1245.9	1246.3
167.5°	1266.7	1268.0	1269.4	1270.8	1272.2	1272.2	1270.9	1269.5	1268.2	1266.9	1266.8
170°	1277.1	1278.7	1280.2	1281.8	1283.3	1283.5	1282.1	1280.8	1279.5	1278.1	1277.9
172.5°	1286.0	1287.6	1289.1	1290.7	1292.2	1292.3	1290.7	1289.2	1287.7	1286.2	1286.2
175°	1295.3	1296.9	1298.4	1300.0	1301.5	1301.5	1300.0	1298.4	1296.9	1295.3	1295.5
177.5°	1300.1	1301.5	1302.9	1304.4	1305.9	1306.0	1304.6	1303.4	1302.1	1300.9	1300.9
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	979.0	974.6	971.5	969.0	962.0	958.0	954.8	950.4	945.3	940.0	933.4
5°	1034.6	1021.2	1011.4	996.4	982.3	970.5	958.4	947.4	933.9	919.5	908.8
7.5°	1093.0	1073.1	1047.6	1025.5	1000.7	979.1	959.8	940.0	919.4	899.4	881.1
10°	1130.0	1104.5	1076.2	1042.8	1011.4	983.5	957.6	932.4	908.1	883.6	862.8
12.5°	1169.9	1138.1	1096.3	1057.2	1022.1	984.7	953.4	922.6	893.2	867.7	843.3
15°	1223.6	1177.6	1129.2	1077.0	1030.7	987.0	944.2	905.2	872.3	838.5	815.0
17.5°	1256.5	1199.6	1144.4	1089.7	1033.6	978.6	932.4	887.6	846.2	812.6	782.9
20°	1278.2	1221.6	1152.9	1098.2	1031.4	974.8	921.4	871.5	828.3	792.5	761.8
22.5°	1297.1	1231.6	1162.9	1091.0	1024.5	964.4	905.9	855.8	811.6	774.0	744.6
25°	1307.3	1232.2	1157.5	1086.0	1010.6	939.5	886.5	827.5	780.3	740.6	709.2
27.5°	1308.4	1228.1	1143.7	1064.2	986.3	920.1	853.1	800.4	751.5	709.5	679.3
30°	1304.8	1221.2	1130.4	1044.4	966.2	894.2	836.2	778.8	728.8	687.2	655.8
32.5°	1293.8	1206.7	1113.5	1022.4	941.4	871.0	811.0	756.5	707.8	666.8	633.8
35°	1262.0	1176.0	1076.6	981.9	899.0	827.9	773.7	718.2	669.5	630.7	598.8
37.5°	1212.3	1134.5	1033.5	935.4	854.0	782.6	728.8	678.8	634.9	595.3	562.7
40°	1168.9	1100.6	999.2	903.7	815.7	747.7	697.4	651.5	607.8	570.5	539.5
42.5°	1118.9	1059.3	965.8	864.7	779.8	711.6	662.6	621.3	580.2	545.7	514.6
45°	1029.9	990.6	902.5	809.0	720.6	656.2	609.5	573.3	538.7	504.9	479.0
47.5°	927.4	907.9	833.7	745.0	661.1	597.5	557.0	523.6	493.3	464.6	441.8
50°	858.5	849.1	785.1	699.4	619.2	559.6	518.7	490.0	464.0	438.9	417.3
52.5°	790.6	790.3	732.6	654.1	580.0	522.4	481.9	455.0	432.6	412.1	392.7
55°	686.8	697.8	652.7	582.7	516.3	464.4	427.9	403.9	388.2	371.3	356.8
57.5°	591.5	609.8	572.5	510.9	455.4	407.7	375.9	357.9	341.1	330.9	320.3
60°	529.3	546.5	517.5	465.6	413.3	372.4	342.2	326.1	311.5	304.5	297.0
62.5°	473.9	489.4	467.8	419.7	374.4	335.1	309.5	294.1	284.3	276.5	271.6
65°	394.9	407.9	389.4	354.5	315.5	284.1	263.3	251.1	241.7	238.5	233.0
67.5°	319.2	331.0	321.0	291.3	260.1	236.3	220.0	208.3	202.8	200.0	196.1
70°	274.3	286.1	275.4	249.5	225.5	205.5	190.2	183.5	177.6	176.4	171.0
72.5°	236.2	244.3	233.6	213.4	192.9	175.9	164.1	157.1	154.0	151.9	149.0
75°	177.2	184.3	177.2	161.5	146.9	135.1	124.9	122.2	118.7	117.4	115.5
77.5°	125.4	131.6	126.1	116.3	105.4	96.3	90.9	87.4	86.5	84.5	85.4
80°	95.8	99.8	94.7	88.1	79.4	73.1	69.2	67.2	64.8	64.0	65.6
82.5°	68.9	70.6	68.0	63.5	57.1	52.9	50.3	48.0	47.6	47.7	47.7
85°	35.7	35.3	34.9	31.0	29.1	26.4	24.7	24.3	23.9	24.7	25.5
87.5°	15.7	15.7	14.9	13.2	11.8	10.4	9.6	8.8	9.6	10.4	11.2
90°	18.6	16.8	15.0	12.9	10.4	8.0	5.5	3.0	5.5	8.0	10.4
92.5°	37.4	36.2	34.9	32.8	30.0	27.2	24.4	21.6	24.4	27.2	30.0
95°	73.5	71.9	70.3	68.6	66.6	64.5	62.5	60.5	62.5	64.5	66.6
97.5°	117.4	115.6	113.8	112.1	110.5	108.9	107.2	105.6	107.2	108.9	110.5
100°	150.2	148.1	146.1	144.7	143.8	142.9	142.0	141.1	142.0	142.9	143.8
102.5°	184.4	182.6	180.8	179.7	179.3	178.9	178.5	178.2	178.5	178.9	179.3
105°	238.1	237.2	236.3	235.8	235.5	235.3	235.1	234.9	235.1	235.3	235.5
107.5°	295.9	295.8	295.6	295.4	295.2	294.9	294.6	294.4	294.6	294.9	295.2
110°	336.1	336.3	336.6	336.5	336.0	335.6	335.1	334.7	335.1	335.6	336.0



TEST NUMBER: P332563-840

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	376.0	376.4	376.8	377.0	376.9	376.8	376.7	376.6	376.7	376.8	376.9
115°	438.4	438.8	439.3	439.5	439.5	439.5	439.5	439.5	439.5	439.5	439.5
117.5°	498.8	499.1	499.4	499.5	499.3	499.1	499.0	498.8	499.0	499.1	499.3
120°	540.6	541.3	542.0	541.9	541.0	540.1	539.2	538.3	539.2	540.1	541.0
122.5°	580.2	580.6	580.9	580.8	580.5	580.1	579.8	579.4	579.8	580.1	580.5
125°	639.5	639.7	640.0	640.1	640.1	640.1	640.1	640.1	640.1	640.1	640.1
127.5°	697.2	697.6	697.9	697.8	697.1	696.4	695.8	695.1	695.8	696.4	697.1
130°	736.8	736.8	736.8	736.5	735.8	735.2	734.5	733.8	734.5	735.2	735.8
132.5°	775.1	775.3	775.5	775.3	774.8	774.3	773.9	773.4	773.9	774.3	774.8
135°	831.6	831.6	831.6	830.9	829.6	828.2	826.9	825.6	826.9	828.2	829.6
137.5°	886.2	885.8	885.3	884.9	884.2	883.6	883.0	882.4	883.0	883.6	884.2
140°	922.3	922.3	922.3	922.1	921.6	921.2	920.7	920.3	920.7	921.2	921.6
142.5°	956.5	956.7	956.8	956.7	956.3	955.8	955.4	954.9	955.4	955.8	956.3
145°	1007.5	1007.3	1007.0	1006.5	1005.6	1004.7	1003.8	1002.9	1003.8	1004.7	1005.6
147.5°	1054.9	1055.1	1055.3	1054.8	1053.8	1052.7	1051.6	1050.6	1051.6	1052.7	1053.8
150°	1083.6	1083.6	1083.6	1083.2	1082.3	1081.4	1080.5	1079.5	1080.5	1081.4	1082.3
152.5°	1109.8	1109.6	1109.4	1109.1	1108.6	1108.0	1107.5	1107.0	1107.5	1108.0	1108.6
155°	1148.5	1148.7	1149.0	1149.1	1149.1	1149.1	1149.1	1149.1	1149.1	1149.1	1149.1
157.5°	1182.7	1182.7	1182.8	1183.0	1183.4	1183.8	1184.2	1184.6	1184.2	1183.8	1183.4
160°	1204.0	1204.2	1204.5	1204.7	1204.9	1205.1	1205.3	1205.6	1205.3	1205.1	1204.9
162.5°	1221.7	1221.9	1222.1	1222.5	1223.1	1223.8	1224.4	1224.9	1224.4	1223.8	1223.1
165°	1246.8	1247.2	1247.7	1248.2	1248.9	1249.6	1250.2	1250.9	1250.2	1249.6	1248.9
167.5°	1266.8	1266.7	1266.7	1267.1	1268.1	1269.0	1269.9	1270.9	1269.9	1269.0	1268.1
170°	1277.7	1277.5	1277.2	1277.7	1278.8	1279.9	1281.0	1282.1	1281.0	1279.9	1278.8
172.5°	1286.1	1286.1	1286.0	1286.5	1287.4	1288.4	1289.3	1290.2	1289.3	1288.4	1287.4
175°	1295.7	1296.0	1296.2	1296.9	1298.0	1299.1	1300.2	1301.3	1300.2	1299.1	1298.0
177.5°	1300.9	1300.9	1300.9	1301.3	1302.2	1303.1	1304.0	1304.9	1304.0	1303.1	1302.2
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	930.3	927.5	923.3	917.7	913.0	908.0	906.7	904.8	908.6	905.4	904.5
5°	899.8	891.5	880.9	868.8	861.7	851.4	849.5	845.6	841.6	841.2	837.3
7.5°	867.5	855.4	841.5	829.1	817.6	806.5	799.1	797.6	791.7	788.4	784.5
10°	846.8	831.8	815.7	804.0	790.5	778.8	770.5	765.8	761.8	757.5	753.7
12.5°	822.2	806.4	793.0	780.3	764.5	755.5	741.9	733.8	733.0	733.1	722.9
15°	793.7	778.0	757.5	739.5	730.8	713.6	706.1	696.6	690.7	684.9	680.1
17.5°	761.1	741.5	725.6	704.8	688.3	674.6	664.7	659.0	650.3	641.9	635.8
20°	740.6	719.8	703.0	681.0	662.9	646.0	637.7	629.9	623.2	616.1	609.5
22.5°	719.9	698.1	677.5	656.1	639.2	621.5	613.5	602.8	596.4	592.5	585.8
25°	687.2	663.7	640.1	619.7	602.4	586.6	576.0	567.7	560.7	557.5	553.2
27.5°	651.7	628.2	605.5	582.3	562.7	551.3	542.8	536.5	532.5	528.4	526.3
30°	629.0	604.7	580.4	558.8	540.7	529.3	521.4	517.1	513.9	512.0	510.0
32.5°	606.1	582.1	556.4	536.7	520.6	510.4	504.4	500.1	498.6	497.9	497.2
35°	569.4	545.0	521.4	503.7	488.4	484.4	479.4	477.0	476.3	479.0	480.2
37.5°	533.7	511.1	489.4	472.3	462.2	456.5	454.7	454.8	457.7	460.1	462.9
40°	510.8	488.8	468.4	453.4	444.0	440.5	439.7	441.6	444.7	447.6	450.7
42.5°	488.5	466.8	448.3	434.2	427.7	424.4	425.0	426.9	431.3	434.6	439.4
45°	453.8	435.8	417.7	406.3	400.8	401.5	401.5	405.1	409.4	414.5	419.6
47.5°	421.2	402.9	388.1	378.5	375.7	375.0	377.2	381.8	388.1	394.4	401.5
50°	399.2	381.9	368.9	360.3	357.2	358.3	361.5	365.8	373.2	381.1	388.6
52.5°	376.9	361.1	349.1	341.1	338.9	341.0	344.2	351.0	357.6	366.1	375.1
55°	342.2	328.9	319.4	313.6	312.8	314.0	317.5	325.0	334.4	345.0	353.7
57.5°	307.7	296.6	287.9	283.9	284.3	285.4	291.1	300.0	310.1	321.4	332.5
60°	284.5	274.3	267.2	264.1	264.5	266.8	273.9	282.2	294.7	305.7	317.5
62.5°	262.5	253.5	246.7	243.9	243.4	248.5	255.3	263.9	276.5	288.7	301.4
65°	227.1	220.0	214.5	213.0	214.1	218.0	226.7	238.1	248.7	261.7	275.1
67.5°	192.5	186.7	183.0	183.7	185.1	190.9	198.1	207.9	219.9	233.4	246.6
70°	170.6	165.0	161.9	162.3	164.6	171.7	178.0	187.8	200.8	214.5	225.5
72.5°	147.9	144.3	141.5	143.1	145.4	150.4	158.1	168.0	179.5	192.2	203.9
75°	113.5	113.5	112.0	113.2	116.7	121.4	127.3	137.5	149.0	159.2	168.5
77.5°	84.2	83.4	84.4	85.8	87.9	93.4	100.2	107.6	116.0	126.3	134.1
80°	64.4	64.8	66.8	69.2	70.0	74.2	81.3	88.1	94.7	103.3	110.8
82.5°	48.4	48.8	49.8	52.8	53.6	58.3	62.8	69.5	75.5	81.3	87.6
85°	26.4	26.4	28.3	29.5	31.4	34.5	37.4	41.3	46.8	50.7	56.6
87.5°	12.6	13.0	14.6	15.7	17.0	18.9	19.8	23.5	25.0	26.9	29.9
90°	12.9	15.0	16.8	18.6	20.4	22.2	23.5	24.8	26.3	27.6	28.5
92.5°	32.8	34.9	36.2	37.4	38.7	39.9	40.7	41.5	42.3	43.1	43.7
95°	68.6	70.3	71.9	73.5	75.0	76.6	77.3	78.0	78.7	79.3	79.7
97.5°	112.1	113.8	115.6	117.4	119.4	121.2	122.0	122.8	123.6	124.4	124.8
100°	144.7	146.1	148.1	150.2	152.2	154.2	154.7	155.1	155.5	156.0	156.2
102.5°	179.7	180.8	182.6	184.4	186.2	188.1	188.7	189.3	190.0	190.6	191.0
105°	235.8	236.3	237.2	238.1	239.0	239.9	240.5	241.3	242.0	242.6	243.3
107.5°	295.4	295.6	295.8	295.9	296.0	296.2	296.8	297.4	298.0	298.6	298.9
110°	336.5	336.6	336.3	336.1	335.9	335.7	335.2	334.8	334.3	333.9	334.0



TEST NUMBER: P332563-840

CATALOG NUMBER: SA4XXDIP-C575D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	377.0	376.8	376.4	376.0	375.6	375.2	375.1	375.0	374.9	374.9	374.9
115°	439.5	439.3	438.8	438.4	437.9	437.5	437.3	437.0	436.8	436.6	436.4
117.5°	499.5	499.4	499.1	498.8	498.5	498.2	497.4	496.7	495.8	495.1	494.5
120°	541.9	542.0	541.3	540.6	540.0	539.3	538.2	537.0	535.9	534.8	534.4
122.5°	580.8	580.9	580.6	580.2	579.9	579.6	578.9	578.0	577.3	576.5	575.7
125°	640.1	640.0	639.7	639.5	639.2	639.0	638.6	638.1	637.7	637.2	636.8
127.5°	697.8	697.9	697.6	697.2	696.9	696.5	696.1	695.6	695.2	694.7	694.3
130°	736.5	736.8	736.8	736.8	736.8	736.8	736.4	736.0	735.5	735.1	734.4
132.5°	775.3	775.5	775.3	775.1	774.9	774.8	774.3	773.9	773.4	773.0	772.5
135°	830.9	831.6	831.6	831.6	831.6	831.6	831.1	830.7	830.2	829.8	829.2
137.5°	884.9	885.3	885.8	886.2	886.5	886.9	886.3	885.7	885.0	884.5	884.2
140°	922.1	922.3	922.3	922.3	922.3	922.3	922.1	921.9	921.6	921.4	921.2
142.5°	956.7	956.8	956.7	956.5	956.3	956.1	956.1	956.0	956.0	956.0	955.9
145°	1006.5	1007.0	1007.3	1007.5	1007.7	1007.9	1007.7	1007.5	1007.3	1007.0	1006.6
147.5°	1054.8	1055.3	1055.1	1054.9	1054.7	1054.6	1054.4	1054.2	1054.0	1053.8	1053.6
150°	1083.2	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6	1083.5
152.5°	1109.1	1109.4	1109.6	1109.8	1110.0	1110.1	1110.8	1111.3	1111.8	1112.4	1112.4
155°	1149.1	1149.0	1148.7	1148.5	1148.3	1148.1	1149.0	1149.9	1150.7	1151.7	1151.7
157.5°	1183.0	1182.8	1182.7	1182.7	1182.7	1182.6	1183.3	1183.9	1184.6	1185.3	1185.2
160°	1204.7	1204.5	1204.2	1204.0	1203.8	1203.6	1204.2	1204.9	1205.6	1206.2	1206.0
162.5°	1222.5	1222.1	1221.9	1221.7	1221.5	1221.2	1222.4	1223.7	1224.9	1226.1	1226.2
165°	1248.2	1247.7	1247.2	1246.8	1246.3	1245.9	1247.2	1248.6	1249.9	1251.2	1251.4
167.5°	1267.1	1266.7	1266.7	1266.8	1266.8	1266.9	1268.2	1269.5	1270.9	1272.2	1272.2
170°	1277.7	1277.2	1277.5	1277.7	1277.9	1278.1	1279.5	1280.8	1282.1	1283.5	1283.3
172.5°	1286.5	1286.0	1286.1	1286.1	1286.2	1286.2	1287.7	1289.2	1290.7	1292.3	1292.2
175°	1296.9	1296.2	1296.0	1295.7	1295.5	1295.3	1296.9	1298.4	1300.0	1301.5	1301.5
177.5°	1301.3	1300.9	1300.9	1300.9	1300.9	1300.9	1302.1	1303.4	1304.6	1306.0	1305.9
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3



TEST NUMBER: P332563-840

CATALOG NUMBER: SA4XXDIP-C575D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	903.8	903.2	901.0	900.7	901.0	903.2	903.8	904.5	905.4	908.6	904.8
5°	835.0	833.0	831.8	836.2	831.8	833.0	835.0	837.3	841.2	841.6	845.6
7.5°	783.0	781.4	778.0	776.9	778.0	781.4	783.0	784.5	788.4	791.7	797.6
10°	749.7	748.1	745.0	744.2	745.0	748.1	749.7	753.7	757.5	761.8	765.8
12.5°	717.6	714.5	713.9	714.7	713.9	714.5	717.6	722.9	733.1	733.0	733.8
15°	675.0	673.5	669.1	670.3	669.1	673.5	675.0	680.1	684.9	690.7	696.6
17.5°	633.1	631.2	625.9	630.6	625.9	631.2	633.1	635.8	641.9	650.3	659.0
20°	606.6	603.5	600.8	600.4	600.8	603.5	606.6	609.5	616.1	623.2	629.9
22.5°	581.5	578.7	578.5	575.8	578.5	578.7	581.5	585.8	592.5	596.4	602.8
25°	550.1	547.3	546.5	544.6	546.5	547.3	550.1	553.2	557.5	560.7	567.7
27.5°	525.9	524.6	523.2	523.8	523.2	524.6	525.9	526.3	528.4	532.5	536.5
30°	511.2	510.8	510.0	510.0	510.0	510.8	511.2	510.0	512.0	513.9	517.1
32.5°	499.0	498.9	499.3	499.3	499.3	498.9	499.0	497.2	497.9	498.6	500.1
35°	481.7	482.9	483.7	482.5	483.7	482.9	481.7	480.2	479.0	476.3	477.0
37.5°	466.2	467.4	468.5	469.8	468.5	467.4	466.2	462.9	460.1	457.7	454.8
40°	454.2	457.0	457.8	459.7	457.8	457.0	454.2	450.7	447.6	444.7	441.6
42.5°	442.9	446.0	448.0	448.4	448.0	446.0	442.9	439.4	434.6	431.3	426.9
45°	425.6	428.7	431.4	431.4	431.4	428.7	425.6	419.6	414.5	409.4	405.1
47.5°	407.6	412.1	414.9	415.6	414.9	412.1	407.6	401.5	394.4	388.1	381.8
50°	395.3	400.8	403.5	405.5	403.5	400.8	395.3	388.6	381.1	373.2	365.8
52.5°	383.3	388.8	392.5	393.5	392.5	388.8	383.3	375.1	366.1	357.6	351.0
55°	362.6	370.5	374.9	376.4	374.9	370.5	362.6	353.7	345.0	334.4	325.0
57.5°	343.2	350.4	355.5	356.6	355.5	350.4	343.2	332.5	321.4	310.1	300.0
60°	328.1	336.0	342.2	343.5	342.2	336.0	328.1	317.5	305.7	294.7	282.2
62.5°	312.7	320.8	326.5	329.6	326.5	320.8	312.7	301.4	288.7	276.5	263.9
65°	286.1	294.3	299.8	300.9	299.8	294.3	286.1	275.1	261.7	248.7	238.1
67.5°	257.0	265.2	268.8	271.1	268.8	265.2	257.0	246.6	233.4	219.9	207.9
70°	236.5	243.2	247.1	249.1	247.1	243.2	236.5	225.5	214.5	200.8	187.8
72.5°	213.3	220.3	224.8	225.2	224.8	220.3	213.3	203.9	192.2	179.5	168.0
75°	177.6	183.9	186.2	186.2	186.2	183.9	177.6	168.5	159.2	149.0	137.5
77.5°	140.6	143.8	146.8	147.4	146.8	143.8	140.6	134.1	126.3	116.0	107.6
80°	116.7	118.7	121.0	121.0	121.0	118.7	116.7	110.8	103.3	94.7	88.1
82.5°	92.2	93.8	96.1	95.8	96.1	93.8	92.2	87.6	81.3	75.5	69.5
85°	55.7	59.4	59.0	58.2	59.0	59.4	55.7	56.6	50.7	46.8	41.3
87.5°	30.9	31.3	32.3	33.1	32.3	31.3	30.9	29.9	26.9	25.0	23.5
90°	28.9	29.4	29.8	30.2	29.8	29.4	28.9	28.5	27.6	26.3	24.8
92.5°	43.9	44.2	44.5	44.7	44.5	44.2	43.9	43.7	43.1	42.3	41.5
95°	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.3	78.7	78.0
97.5°	124.8	124.8	124.8	124.8	124.8	124.8	124.8	124.8	124.4	123.6	122.8
100°	156.2	156.2	156.2	156.2	156.2	156.2	156.2	156.2	156.0	155.5	155.1
102.5°	191.2	191.4	191.6	191.7	191.6	191.4	191.2	191.0	190.6	190.0	189.3
105°	243.9	244.6	245.3	245.9	245.3	244.6	243.9	243.3	242.6	242.0	241.3
107.5°	298.9	298.8	298.8	298.7	298.8	298.8	298.9	298.9	298.6	298.0	297.4
110°	334.7	335.3	336.0	336.7	336.0	335.3	334.7	334.0	333.9	334.3	334.8



TEST NUMBER: P332563-840

CATALOG NUMBER: SA4XXDIP-C575D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	375.0	375.1	375.3	375.4	375.3	375.1	375.0	374.9	374.9	374.9	375.0
115°	436.2	435.9	435.7	435.5	435.7	435.9	436.2	436.4	436.6	436.8	437.0
117.5°	494.0	493.6	493.1	492.7	493.1	493.6	494.0	494.5	495.1	495.8	496.7
120°	534.9	535.3	535.8	536.2	535.8	535.3	534.9	534.4	534.8	535.9	537.0
122.5°	574.9	574.1	573.3	572.5	573.3	574.1	574.9	575.7	576.5	577.3	578.0
125°	636.4	635.9	635.5	635.0	635.5	635.9	636.4	636.8	637.2	637.7	638.1
127.5°	694.0	693.6	693.3	692.9	693.3	693.6	694.0	694.3	694.7	695.2	695.6
130°	733.5	732.6	731.6	730.7	731.6	732.6	733.5	734.4	735.1	735.5	736.0
132.5°	772.1	771.8	771.4	771.1	771.4	771.8	772.1	772.5	773.0	773.4	773.9
135°	828.6	827.9	827.2	826.6	827.2	827.9	828.6	829.2	829.8	830.2	830.7
137.5°	884.4	884.5	884.6	884.8	884.6	884.5	884.4	884.2	884.5	885.0	885.7
140°	921.0	920.7	920.5	920.3	920.5	920.7	921.0	921.2	921.4	921.6	921.9
142.5°	955.9	955.8	955.8	955.7	955.8	955.8	955.9	955.9	956.0	956.0	956.0
145°	1005.9	1005.3	1004.6	1003.9	1004.6	1005.3	1005.9	1006.6	1007.0	1007.3	1007.5
147.5°	1053.4	1053.2	1053.0	1052.8	1053.0	1053.2	1053.4	1053.6	1053.8	1054.0	1054.2
150°	1083.3	1083.0	1082.8	1082.6	1082.8	1083.0	1083.3	1083.5	1083.6	1083.6	1083.6
152.5°	1111.8	1111.2	1110.5	1109.9	1110.5	1111.2	1111.8	1112.4	1112.4	1111.8	1111.3
155°	1150.7	1149.9	1149.0	1148.1	1149.0	1149.9	1150.7	1151.7	1151.7	1150.7	1149.9
157.5°	1184.5	1183.7	1183.0	1182.1	1183.0	1183.7	1184.5	1185.2	1185.3	1184.6	1183.9
160°	1204.9	1203.8	1202.6	1201.5	1202.6	1203.8	1204.9	1206.0	1206.2	1205.6	1204.9
162.5°	1225.1	1224.0	1222.8	1221.6	1222.8	1224.0	1225.1	1226.2	1226.1	1224.9	1223.7
165°	1250.6	1249.7	1248.8	1247.9	1248.8	1249.7	1250.6	1251.4	1251.2	1249.9	1248.6
167.5°	1270.8	1269.4	1268.0	1266.7	1268.0	1269.4	1270.8	1272.2	1272.2	1270.9	1269.5
170°	1281.8	1280.2	1278.7	1277.1	1278.7	1280.2	1281.8	1283.3	1283.5	1282.1	1280.8
172.5°	1290.7	1289.1	1287.6	1286.0	1287.6	1289.1	1290.7	1292.2	1292.3	1290.7	1289.2
175°	1300.0	1298.4	1296.9	1295.3	1296.9	1298.4	1300.0	1301.5	1301.5	1300.0	1298.4
177.5°	1304.4	1302.9	1301.5	1300.1	1301.5	1302.9	1304.4	1305.9	1306.0	1304.6	1303.4
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3



TEST NUMBER: P332563-840

CATALOG NUMBER: SA4XXDIP-C575D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	906.7	908.0	913.0	917.7	923.3	927.5	930.3	933.4	940.0	945.3	950.4
5°	849.5	851.4	861.7	868.8	880.9	891.5	899.8	908.8	919.5	933.9	947.4
7.5°	799.1	806.5	817.6	829.1	841.5	855.4	867.5	881.1	899.4	919.4	940.0
10°	770.5	778.8	790.5	804.0	815.7	831.8	846.8	862.8	883.6	908.1	932.4
12.5°	741.9	755.5	764.5	780.3	793.0	806.4	822.2	843.3	867.7	893.2	922.6
15°	706.1	713.6	730.8	739.5	757.5	778.0	793.7	815.0	838.5	872.3	905.2
17.5°	664.7	674.6	688.3	704.8	725.6	741.5	761.1	782.9	812.6	846.2	887.6
20°	637.7	646.0	662.9	681.0	703.0	719.8	740.6	761.8	792.5	828.3	871.5
22.5°	613.5	621.5	639.2	656.1	677.5	698.1	719.9	744.6	774.0	811.6	855.8
25°	576.0	586.6	602.4	619.7	640.1	663.7	687.2	709.2	740.6	780.3	827.5
27.5°	542.8	551.3	562.7	582.3	605.5	628.2	651.7	679.3	709.5	751.5	800.4
30°	521.4	529.3	540.7	558.8	580.4	604.7	629.0	655.8	687.2	728.8	778.8
32.5°	504.4	510.4	520.6	536.7	556.4	582.1	606.1	633.8	666.8	707.8	756.5
35°	479.4	484.4	488.4	503.7	521.4	545.0	569.4	598.8	630.7	669.5	718.2
37.5°	454.7	456.5	462.2	472.3	489.4	511.1	533.7	562.7	595.3	634.9	678.8
40°	439.7	440.5	444.0	453.4	468.4	488.8	510.8	539.5	570.5	607.8	651.5
42.5°	425.0	424.4	427.7	434.2	448.3	466.8	488.5	514.6	545.7	580.2	621.3
45°	401.5	401.5	400.8	406.3	417.7	435.8	453.8	479.0	504.9	538.7	573.3
47.5°	377.2	375.0	375.7	378.5	388.1	402.9	421.2	441.8	464.6	493.3	523.6
50°	361.5	358.3	357.2	360.3	368.9	381.9	399.2	417.3	438.9	464.0	490.0
52.5°	344.2	341.0	338.9	341.1	349.1	361.1	376.9	392.7	412.1	432.6	455.0
55°	317.5	314.0	312.8	313.6	319.4	328.9	342.2	356.8	371.3	388.2	403.9
57.5°	291.1	285.4	284.3	283.9	287.9	296.6	307.7	320.3	330.9	341.1	357.9
60°	273.9	266.8	264.5	264.1	267.2	274.3	284.5	297.0	304.5	311.5	326.1
62.5°	255.3	248.5	243.4	243.9	246.7	253.5	262.5	271.6	276.5	284.3	294.1
65°	226.7	218.0	214.1	213.0	214.5	220.0	227.1	233.0	238.5	241.7	251.1
67.5°	198.1	190.9	185.1	183.7	183.0	186.7	192.5	196.1	200.0	202.8	208.3
70°	178.0	171.7	164.6	162.3	161.9	165.0	170.6	171.0	176.4	177.6	183.5
72.5°	158.1	150.4	145.4	143.1	141.5	144.3	147.9	149.0	151.9	154.0	157.1
75°	127.3	121.4	116.7	113.2	112.0	113.5	113.5	115.5	117.4	118.7	122.2
77.5°	100.2	93.4	87.9	85.8	84.4	83.4	84.2	85.4	84.5	86.5	87.4
80°	81.3	74.2	70.0	69.2	66.8	64.8	64.4	65.6	64.0	64.8	67.2
82.5°	62.8	58.3	53.6	52.8	49.8	48.8	48.4	47.7	47.7	47.6	48.0
85°	37.4	34.5	31.4	29.5	28.3	26.4	26.4	25.5	24.7	23.9	24.3
87.5°	19.8	18.9	17.0	15.7	14.6	13.0	12.6	11.2	10.4	9.6	8.8
90°	23.5	22.2	20.4	18.6	16.8	15.0	12.9	10.4	8.0	5.5	3.0
92.5°	40.7	39.9	38.7	37.4	36.2	34.9	32.8	30.0	27.2	24.4	21.6
95°	77.3	76.6	75.0	73.5	71.9	70.3	68.6	66.6	64.5	62.5	60.5
97.5°	122.0	121.2	119.4	117.4	115.6	113.8	112.1	110.5	108.9	107.2	105.6
100°	154.7	154.2	152.2	150.2	148.1	146.1	144.7	143.8	142.9	142.0	141.1
102.5°	188.7	188.1	186.2	184.4	182.6	180.8	179.7	179.3	178.9	178.5	178.2
105°	240.5	239.9	239.0	238.1	237.2	236.3	235.8	235.5	235.3	235.1	234.9
107.5°	296.8	296.2	296.0	295.9	295.8	295.6	295.4	295.2	294.9	294.6	294.4
110°	335.2	335.7	335.9	336.1	336.3	336.6	336.5	336.0	335.6	335.1	334.7



TEST NUMBER: P332563-840

CATALOG NUMBER: SA4XXDIP-C575D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	375.1	375.2	375.6	376.0	376.4	376.8	377.0	376.9	376.8	376.7	376.6
115°	437.3	437.5	437.9	438.4	438.8	439.3	439.5	439.5	439.5	439.5	439.5
117.5°	497.4	498.2	498.5	498.8	499.1	499.4	499.5	499.3	499.1	499.0	498.8
120°	538.2	539.3	540.0	540.6	541.3	542.0	541.9	541.0	540.1	539.2	538.3
122.5°	578.9	579.6	579.9	580.2	580.6	580.9	580.8	580.5	580.1	579.8	579.4
125°	638.6	639.0	639.2	639.5	639.7	640.0	640.1	640.1	640.1	640.1	640.1
127.5°	696.1	696.5	696.9	697.2	697.6	697.9	697.8	697.1	696.4	695.8	695.1
130°	736.4	736.8	736.8	736.8	736.8	736.8	736.5	735.8	735.2	734.5	733.8
132.5°	774.3	774.8	774.9	775.1	775.3	775.5	775.3	774.8	774.3	773.9	773.4
135°	831.1	831.6	831.6	831.6	831.6	831.6	830.9	829.6	828.2	826.9	825.6
137.5°	886.3	886.9	886.5	886.2	885.8	885.3	884.9	884.2	883.6	883.0	882.4
140°	922.1	922.3	922.3	922.3	922.3	922.3	922.1	921.6	921.2	920.7	920.3
142.5°	956.1	956.1	956.3	956.5	956.7	956.8	956.7	956.3	955.8	955.4	954.9
145°	1007.7	1007.9	1007.7	1007.5	1007.3	1007.0	1006.5	1005.6	1004.7	1003.8	1002.9
147.5°	1054.4	1054.6	1054.7	1054.9	1055.1	1055.3	1054.8	1053.8	1052.7	1051.6	1050.6
150°	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6	1083.2	1082.3	1081.4	1080.5	1079.5
152.5°	1110.8	1110.1	1110.0	1109.8	1109.6	1109.4	1109.1	1108.6	1108.0	1107.5	1107.0
155°	1149.0	1148.1	1148.3	1148.5	1148.7	1149.0	1149.1	1149.1	1149.1	1149.1	1149.1
157.5°	1183.3	1182.6	1182.7	1182.7	1182.7	1182.8	1183.0	1183.4	1183.8	1184.2	1184.6
160°	1204.2	1203.6	1203.8	1204.0	1204.2	1204.5	1204.7	1204.9	1205.1	1205.3	1205.6
162.5°	1222.4	1221.2	1221.5	1221.7	1221.9	1222.1	1222.5	1223.1	1223.8	1224.4	1224.9
165°	1247.2	1245.9	1246.3	1246.8	1247.2	1247.7	1248.2	1248.9	1249.6	1250.2	1250.9
167.5°	1268.2	1266.9	1266.8	1266.8	1266.7	1266.7	1267.1	1268.1	1269.0	1269.9	1270.9
170°	1279.5	1278.1	1277.9	1277.7	1277.5	1277.2	1277.7	1278.8	1279.9	1281.0	1282.1
172.5°	1287.7	1286.2	1286.2	1286.1	1286.1	1286.0	1286.5	1287.4	1288.4	1289.3	1290.2
175°	1296.9	1295.3	1295.5	1295.7	1296.0	1296.2	1296.9	1298.0	1299.1	1300.2	1301.3
177.5°	1302.1	1300.9	1300.9	1300.9	1300.9	1300.9	1301.3	1302.2	1303.1	1304.0	1304.9
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3



TEST NUMBER: P332563-840

CATALOG NUMBER: SA4XXDIP-C575D1035U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	954.8	958.0	962.0	969.0	971.5	974.6	979.0	978.7	980.0	984.6	994.7
5°	958.4	970.5	982.3	996.4	1011.4	1021.2	1034.6	1042.8	1051.1	1061.7	1079.7
7.5°	959.8	979.1	1000.7	1025.5	1047.6	1073.1	1093.0	1111.7	1128.5	1150.9	1172.5
10°	957.6	983.5	1011.4	1042.8	1076.2	1104.5	1130.0	1159.1	1183.9	1210.9	1235.4
12.5°	953.4	984.7	1022.1	1057.2	1096.3	1138.1	1169.9	1199.3	1232.2	1263.4	1301.0
15°	944.2	987.0	1030.7	1077.0	1129.2	1177.6	1223.6	1261.6	1297.1	1343.8	1392.9
17.5°	932.4	978.6	1033.6	1089.7	1144.4	1199.6	1256.5	1313.7	1358.4	1416.4	1454.9
20°	921.4	974.8	1031.4	1098.2	1152.9	1221.6	1278.2	1333.5	1394.8	1452.6	1498.6
22.5°	905.9	964.4	1024.5	1091.0	1162.9	1231.6	1297.1	1357.2	1418.5	1481.3	1536.9
25°	886.5	939.5	1010.6	1086.0	1157.5	1232.2	1307.3	1382.7	1448.7	1515.1	1567.0
27.5°	853.1	920.1	986.3	1064.2	1143.7	1228.1	1308.4	1387.4	1456.4	1511.1	1543.3
30°	836.2	894.2	966.2	1044.4	1130.4	1221.2	1304.8	1382.3	1446.7	1490.4	1503.3
32.5°	811.0	871.0	941.4	1022.4	1113.5	1206.7	1293.8	1366.9	1420.7	1443.5	1427.8
35°	773.7	827.9	899.0	981.9	1076.6	1176.0	1262.0	1323.7	1351.3	1329.7	1275.8
37.5°	728.8	782.6	854.0	935.4	1033.5	1134.5	1212.3	1256.7	1247.6	1193.9	1113.6
40°	697.4	747.7	815.7	903.7	999.2	1100.6	1168.9	1193.0	1167.8	1090.8	1005.5
42.5°	662.6	711.6	779.8	864.7	965.8	1059.3	1118.9	1121.0	1078.8	986.7	901.1
45°	609.5	656.2	720.6	809.0	902.5	990.6	1029.9	1010.6	932.8	843.9	757.9
47.5°	557.0	597.5	661.1	745.0	833.7	907.9	927.4	892.7	809.8	723.6	643.8
50°	518.7	559.6	619.2	699.4	785.1	849.1	858.5	812.5	731.2	644.4	581.9
52.5°	481.9	522.4	580.0	654.1	732.6	790.3	790.6	737.4	656.4	579.1	520.9
55°	427.9	464.4	516.3	582.7	652.7	697.8	686.8	631.8	561.5	494.3	443.6
57.5°	375.9	407.7	455.4	510.9	572.5	609.8	591.5	538.6	475.7	418.8	380.3
60°	342.2	372.4	413.3	465.6	517.5	546.5	529.3	481.3	423.5	377.6	344.2
62.5°	309.5	335.1	374.4	419.7	467.8	489.4	473.9	426.7	376.8	335.2	308.0
65°	263.3	284.1	315.5	354.5	389.4	407.9	394.9	350.8	312.8	282.9	261.3
67.5°	220.0	236.3	260.1	291.3	321.0	331.0	319.2	288.5	256.3	232.4	217.1
70°	190.2	205.5	225.5	249.5	275.4	286.1	274.3	249.9	223.6	201.6	186.6
72.5°	164.1	175.9	192.9	213.4	233.6	244.3	236.2	212.8	190.6	174.2	161.5
75°	124.9	135.1	146.9	161.5	177.2	184.3	177.2	161.1	145.7	133.6	124.5
77.5°	90.9	96.3	105.4	116.3	126.1	131.6	125.4	114.5	105.1	96.8	92.3
80°	69.2	73.1	79.4	88.1	94.7	99.8	95.8	86.8	79.4	73.8	71.9
82.5°	50.3	52.9	57.1	63.5	68.0	70.6	68.9	62.3	59.3	54.3	52.4
85°	24.7	26.4	29.1	31.0	34.9	35.3	35.7	33.0	30.3	29.1	27.5
87.5°	9.6	10.4	11.8	13.2	14.9	15.7	15.7	16.1	15.1	15.0	14.1
90°	5.5	8.0	10.4	12.9	15.0	16.8	18.6	20.4	22.2	23.5	24.8
92.5°	24.4	27.2	30.0	32.8	34.9	36.2	37.4	38.7	39.9	40.7	41.5
95°	62.5	64.5	66.6	68.6	70.3	71.9	73.5	75.0	76.6	77.3	78.0
97.5°	107.2	108.9	110.5	112.1	113.8	115.6	117.4	119.4	121.2	122.0	122.8
100°	142.0	142.9	143.8	144.7	146.1	148.1	150.2	152.2	154.2	154.7	155.1
102.5°	178.5	178.9	179.3	179.7	180.8	182.6	184.4	186.2	188.1	188.7	189.3
105°	235.1	235.3	235.5	235.8	236.3	237.2	238.1	239.0	239.9	240.5	241.3
107.5°	294.6	294.9	295.2	295.4	295.6	295.8	295.9	296.0	296.2	296.8	297.4
110°	335.1	335.6	336.0	336.5	336.6	336.3	336.1	335.9	335.7	335.2	334.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	376.7	376.8	376.9	377.0	376.8	376.4	376.0	375.6	375.2	375.1	375.0
115°	439.5	439.5	439.5	439.5	439.3	438.8	438.4	437.9	437.5	437.3	437.0
117.5°	499.0	499.1	499.3	499.5	499.4	499.1	498.8	498.5	498.2	497.4	496.7
120°	539.2	540.1	541.0	541.9	542.0	541.3	540.6	540.0	539.3	538.2	537.0
122.5°	579.8	580.1	580.5	580.8	580.9	580.6	580.2	579.9	579.6	578.9	578.0
125°	640.1	640.1	640.1	640.1	640.0	639.7	639.5	639.2	639.0	638.6	638.1
127.5°	695.8	696.4	697.1	697.8	697.9	697.6	697.2	696.9	696.5	696.1	695.6
130°	734.5	735.2	735.8	736.5	736.8	736.8	736.8	736.8	736.8	736.4	736.0
132.5°	773.9	774.3	774.8	775.3	775.5	775.3	775.1	774.9	774.8	774.3	773.9
135°	826.9	828.2	829.6	830.9	831.6	831.6	831.6	831.6	831.6	831.1	830.7
137.5°	883.0	883.6	884.2	884.9	885.3	885.8	886.2	886.5	886.9	886.3	885.7
140°	920.7	921.2	921.6	922.1	922.3	922.3	922.3	922.3	922.3	922.1	921.9
142.5°	955.4	955.8	956.3	956.7	956.8	956.7	956.5	956.3	956.1	956.1	956.0
145°	1003.8	1004.7	1005.6	1006.5	1007.0	1007.3	1007.5	1007.7	1007.9	1007.7	1007.5
147.5°	1051.6	1052.7	1053.8	1054.8	1055.3	1055.1	1054.9	1054.7	1054.6	1054.4	1054.2
150°	1080.5	1081.4	1082.3	1083.2	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6	1083.6
152.5°	1107.5	1108.0	1108.6	1109.1	1109.4	1109.6	1109.8	1110.0	1110.1	1110.8	1111.3
155°	1149.1	1149.1	1149.1	1149.1	1149.0	1148.7	1148.5	1148.3	1148.1	1149.0	1149.9
157.5°	1184.2	1183.8	1183.4	1183.0	1182.8	1182.7	1182.7	1182.7	1182.6	1183.3	1183.9
160°	1205.3	1205.1	1204.9	1204.7	1204.5	1204.2	1204.0	1203.8	1203.6	1204.2	1204.9
162.5°	1224.4	1223.8	1223.1	1222.5	1222.1	1221.9	1221.7	1221.5	1221.2	1222.4	1223.7
165°	1250.2	1249.6	1248.9	1248.2	1247.7	1247.2	1246.8	1246.3	1245.9	1247.2	1248.6
167.5°	1269.9	1269.0	1268.1	1267.1	1266.7	1266.7	1266.8	1266.8	1266.9	1268.2	1269.5
170°	1281.0	1279.9	1278.8	1277.7	1277.2	1277.5	1277.7	1277.9	1278.1	1279.5	1280.8
172.5°	1289.3	1288.4	1287.4	1286.5	1286.0	1286.1	1286.1	1286.2	1286.2	1287.7	1289.2
175°	1300.2	1299.1	1298.0	1296.9	1296.2	1296.0	1295.7	1295.5	1295.3	1296.9	1298.4
177.5°	1304.0	1303.1	1302.2	1301.3	1300.9	1300.9	1300.9	1300.9	1300.9	1302.1	1303.4
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	999.8	1000.4	1003.2	1005.4	1006.0	1009.2	1009.5
5°	1087.6	1094.3	1107.2	1108.4	1110.3	1120.6	1112.8
7.5°	1190.5	1207.5	1218.8	1228.8	1232.4	1236.9	1236.0
10°	1256.6	1281.7	1294.2	1314.3	1315.1	1320.2	1317.1
12.5°	1322.9	1352.1	1375.0	1378.8	1395.5	1398.2	1402.6
15°	1416.8	1447.9	1479.8	1491.2	1514.3	1519.8	1528.4
17.5°	1505.2	1536.9	1559.2	1588.7	1598.2	1610.9	1602.4
20°	1553.6	1588.2	1616.5	1639.6	1649.5	1656.6	1655.8
22.5°	1582.9	1617.7	1640.6	1658.2	1667.4	1670.4	1670.2
25°	1601.1	1621.2	1628.3	1635.0	1624.8	1621.2	1622.8
27.5°	1550.2	1545.0	1526.6	1502.4	1477.2	1457.2	1446.4
30°	1480.2	1449.5	1421.6	1372.9	1347.7	1332.8	1319.4
32.5°	1380.8	1332.2	1278.6	1234.0	1205.3	1183.2	1179.8
35°	1210.6	1137.5	1071.9	1017.2	989.0	965.0	959.5
37.5°	1029.3	953.3	894.2	846.1	815.7	798.8	783.0
40°	908.8	843.6	785.5	744.6	721.4	709.2	699.4
42.5°	816.1	756.5	698.7	667.5	646.6	639.1	633.4
45°	688.0	632.6	592.5	569.0	556.7	544.2	538.3
47.5°	585.4	540.4	513.9	493.9	480.9	473.4	469.6
50°	527.3	490.4	466.8	451.5	439.7	433.7	430.6
52.5°	475.7	445.5	425.7	413.4	405.5	401.1	399.8
55°	409.8	386.7	374.1	363.5	357.6	353.7	352.0
57.5°	356.2	338.4	328.2	319.4	317.2	313.9	312.8
60°	321.0	307.3	298.6	292.8	290.7	286.8	287.6
62.5°	289.9	278.6	271.2	267.9	265.3	262.0	263.1
65°	245.2	236.9	233.0	229.8	226.7	224.8	226.3
67.5°	205.7	200.1	194.7	192.9	191.4	191.1	189.3
70°	180.0	175.2	170.6	169.4	169.4	167.7	167.3
72.5°	155.1	151.7	148.6	147.6	146.4	147.0	145.4
75°	119.9	117.0	115.9	114.7	114.3	114.3	113.2
77.5°	88.6	86.5	84.6	84.6	83.2	82.7	82.5
80°	67.2	66.4	64.8	64.8	64.0	64.4	63.6
82.5°	50.5	49.4	49.1	48.5	47.4	47.5	46.7
85°	27.1	26.0	25.5	24.3	23.5	24.3	23.5
87.5°	14.6	14.6	14.4	13.9	13.7	13.8	12.9
90°	26.3	27.6	28.5	28.9	29.4	29.8	30.2
92.5°	42.3	43.1	43.7	43.9	44.2	44.5	44.7
95°	78.7	79.3	79.7	79.7	79.7	79.7	79.7
97.5°	123.6	124.4	124.8	124.8	124.8	124.8	124.8
100°	155.5	156.0	156.2	156.2	156.2	156.2	156.2
102.5°	190.0	190.6	191.0	191.2	191.4	191.6	191.7
105°	242.0	242.6	243.3	243.9	244.6	245.3	245.9
107.5°	298.0	298.6	298.9	298.9	298.8	298.8	298.7
110°	334.3	333.9	334.0	334.7	335.3	336.0	336.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	374.9	374.9	374.9	375.0	375.1	375.3	375.4
115°	436.8	436.6	436.4	436.2	435.9	435.7	435.5
117.5°	495.8	495.1	494.5	494.0	493.6	493.1	492.7
120°	535.9	534.8	534.4	534.9	535.3	535.8	536.2
122.5°	577.3	576.5	575.7	574.9	574.1	573.3	572.5
125°	637.7	637.2	636.8	636.4	635.9	635.5	635.0
127.5°	695.2	694.7	694.3	694.0	693.6	693.3	692.9
130°	735.5	735.1	734.4	733.5	732.6	731.6	730.7
132.5°	773.4	773.0	772.5	772.1	771.8	771.4	771.1
135°	830.2	829.8	829.2	828.6	827.9	827.2	826.6
137.5°	885.0	884.5	884.2	884.4	884.5	884.6	884.8
140°	921.6	921.4	921.2	921.0	920.7	920.5	920.3
142.5°	956.0	956.0	955.9	955.9	955.8	955.8	955.7
145°	1007.3	1007.0	1006.6	1005.9	1005.3	1004.6	1003.9
147.5°	1054.0	1053.8	1053.6	1053.4	1053.2	1053.0	1052.8
150°	1083.6	1083.6	1083.5	1083.3	1083.0	1082.8	1082.6
152.5°	1111.8	1112.4	1112.4	1111.8	1111.2	1110.5	1109.9
155°	1150.7	1151.7	1151.7	1150.7	1149.9	1149.0	1148.1
157.5°	1184.6	1185.3	1185.2	1184.5	1183.7	1183.0	1182.1
160°	1205.6	1206.2	1206.0	1204.9	1203.8	1202.6	1201.5
162.5°	1224.9	1226.1	1226.2	1225.1	1224.0	1222.8	1221.6
165°	1249.9	1251.2	1251.4	1250.6	1249.7	1248.8	1247.9
167.5°	1270.9	1272.2	1272.2	1270.8	1269.4	1268.0	1266.7
170°	1282.1	1283.5	1283.3	1281.8	1280.2	1278.7	1277.1
172.5°	1290.7	1292.3	1292.2	1290.7	1289.1	1287.6	1286.0
175°	1300.0	1301.5	1301.5	1300.0	1298.4	1296.9	1295.3
177.5°	1304.6	1306.0	1305.9	1304.4	1302.9	1301.5	1300.1
180°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3

(END OF REPORT)