

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: P332571-840

Luminaire Tested: **SA4XXDIP-C575D1205U840-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332571-840
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-C575D1205U840-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 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: 7474.5 lumens
Efficiency: N/A
Efficacy: 151.3 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

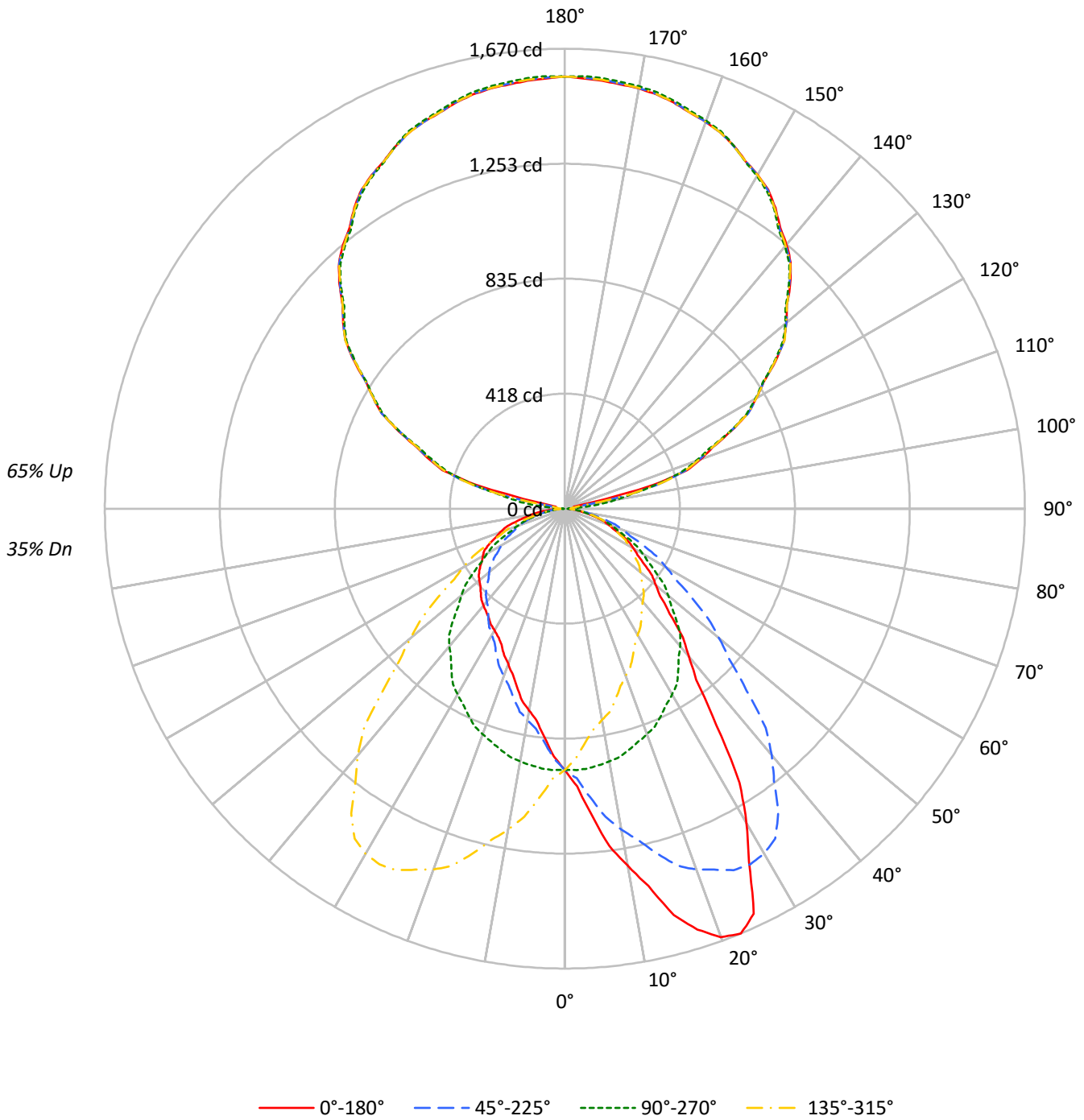
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	94	94	94	75	75	75	58	58	58	42	42	42	35				
1	95	90	87	83	85	82	79	76	66	64	62	51	50	48	38	37	36	30				
2	86	79	73	68	78	72	67	62	58	54	51	45	43	41	33	32	31	25				
3	79	70	63	57	71	63	57	52	51	47	43	40	37	35	30	28	26	22				
4	72	62	54	48	65	56	49	44	45	41	37	36	32	30	27	24	23	19				
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	16				
6	61	49	41	36	55	45	38	33	37	32	28	29	25	23	22	19	17	14				
7	56	44	37	31	51	40	34	29	33	28	24	26	23	20	20	17	16	13				
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	16	14	11				
9	48	37	29	24	44	34	27	23	28	23	19	22	19	16	17	14	13	10				
10	45	33	26	22	41	31	24	20	25	21	17	20	17	14	16	13	11	9				

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	1.2
10°-20°	284.8	3.8
20°-30°	451.7	6.0
30°-40°	502.6	6.7
40°-50°	457.5	6.1
50°-60°	373.9	5.0
60°-70°	266.9	3.6
70°-80°	147.0	2.0
80°-90°	44.7	0.6
90°-100°	53.7	0.7
100°-110°	342.1	4.6
110°-120°	654.5	8.8
120°-130°	830.8	11.1
130°-140°	888.9	11.9
140°-150°	831.2	11.1
150°-160°	670.3	9.0
160°-170°	432.4	5.8
170°-180°	149.0	2.0
0°-30°	828.9	11.1
0°-40°	1331.5	17.8
0°-60°	2162.9	28.9
0°-90°	2621.5	35.1
90°-120°	1050.3	14.1
90°-150°	3601.3	48.2
90°-180°	4853.0	64.9
0°-180°	7474.5	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	30
90°	35	4	35	4	35	16
95°	34	64	34	64	34	27
105°	334	353	334	353	334	292
115°	664	659	664	659	664	657
125°	934	927	934	927	934	832
135°	1158	1150	1158	1150	1158	891
145°	1333	1326	1333	1326	1333	833
155°	1453	1454	1453	1454	1453	670
165°	1527	1534	1527	1534	1527	431
175°	1559	1569	1559	1569	1559	149
180°	1569	1569	1569	1569	1569	



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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°	13.9	14.8	14.6	14.9	15.5	15.6	15.6	14.9	15.9	15.9	16.7
90°	35.2	34.6	34.1	33.6	33.1	32.1	30.5	29.0	27.4	25.9	23.7
92.5°	32.4	32.3	32.2	32.1	32.0	31.1	29.6	28.0	26.5	24.8	22.8
95°	34.0	33.7	33.5	33.2	33.0	32.1	30.5	29.0	27.4	25.9	25.5
97.5°	32.8	32.6	32.3	32.1	31.8	31.6	31.4	31.3	31.1	31.0	60.1
100°	32.8	32.6	32.3	32.1	31.8	33.9	38.4	42.7	47.2	51.6	87.7
102.5°	33.8	33.7	33.7	33.6	33.6	57.5	105.3	153.1	201.0	248.7	253.5
105°	334.5	343.9	353.1	362.5	371.9	375.5	373.1	370.8	368.5	366.1	364.8
107.5°	466.1	465.0	464.1	463.1	462.1	461.0	459.9	458.8	457.6	456.5	454.6
110°	523.3	522.6	521.8	521.0	520.2	519.6	519.1	518.6	518.0	517.5	515.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	580.6	579.7	578.7	577.6	576.6	576.2	576.3	576.4	576.5	576.6	575.9
115°	664.2	664.2	664.2	664.2	664.2	663.9	663.4	662.9	662.4	661.8	662.1
117.5°	749.1	749.2	749.3	749.4	749.5	749.6	749.7	749.8	749.9	750.0	749.5
120°	802.6	803.1	803.7	804.2	804.7	804.7	804.2	803.7	803.1	802.6	802.8
122.5°	855.2	855.7	856.3	856.8	857.3	857.4	857.1	856.8	856.5	856.2	855.8
125°	934.0	933.8	933.5	933.2	933.0	932.5	931.7	930.9	930.1	929.4	929.9
127.5°	1003.3	1003.5	1003.7	1003.9	1004.1	1004.3	1004.4	1004.6	1004.7	1004.9	1003.7
130°	1050.2	1050.2	1050.2	1050.2	1050.2	1050.1	1049.9	1049.6	1049.2	1049.0	1048.2
132.5°	1093.4	1093.6	1093.8	1094.0	1094.2	1094.2	1094.0	1093.7	1093.4	1093.2	1092.2
135°	1158.1	1157.6	1157.1	1156.6	1156.1	1155.6	1155.0	1154.5	1154.0	1153.5	1152.5
137.5°	1213.6	1213.7	1213.9	1214.1	1214.2	1214.0	1213.4	1212.8	1212.2	1211.6	1210.5
140°	1252.0	1251.7	1251.5	1251.2	1251.0	1250.5	1249.7	1248.9	1248.1	1247.4	1246.8
142.5°	1283.9	1283.9	1283.8	1283.8	1283.7	1283.4	1282.8	1282.3	1281.7	1281.1	1280.8
145°	1333.0	1332.5	1331.9	1331.4	1330.9	1330.5	1330.3	1330.0	1329.8	1329.5	1329.5
147.5°	1373.6	1373.3	1373.1	1372.8	1372.5	1372.3	1372.1	1371.9	1371.7	1371.5	1371.7
150°	1399.9	1399.7	1399.4	1399.1	1398.9	1398.7	1398.7	1398.7	1398.7	1398.7	1399.0
152.5°	1422.4	1422.6	1422.7	1422.9	1423.0	1422.9	1422.5	1422.1	1421.7	1421.3	1421.7
155°	1452.7	1453.5	1454.2	1455.0	1455.8	1455.7	1454.6	1453.6	1452.6	1451.5	1452.3
157.5°	1478.0	1479.4	1480.8	1482.1	1483.5	1483.5	1482.1	1480.8	1479.4	1478.0	1478.9
160°	1494.9	1496.5	1498.0	1499.6	1501.2	1501.2	1499.6	1498.0	1496.5	1494.9	1495.2
162.5°	1508.0	1509.8	1511.7	1513.4	1515.2	1515.3	1513.7	1512.2	1510.6	1509.0	1509.2
165°	1526.6	1528.9	1531.3	1533.7	1536.0	1536.1	1534.1	1532.0	1529.8	1527.8	1527.8
167.5°	1540.4	1543.1	1545.7	1548.3	1550.8	1551.1	1548.7	1546.5	1544.2	1541.9	1542.1
170°	1548.9	1551.6	1554.1	1556.7	1559.3	1559.6	1557.5	1555.4	1553.4	1551.3	1551.0
172.5°	1553.6	1556.4	1559.2	1562.1	1564.9	1565.2	1563.2	1561.0	1558.9	1556.9	1556.6
175°	1559.4	1562.6	1565.7	1568.8	1572.0	1572.4	1570.0	1567.7	1565.3	1563.0	1562.8
177.5°	1563.3	1565.7	1568.2	1570.7	1573.3	1573.7	1572.0	1570.3	1568.6	1567.0	1566.6
180°	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8



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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°	16.3	16.2	15.5	13.7	12.2	10.6	9.8	8.9	9.8	10.6	11.5
90°	21.6	19.6	17.5	14.9	12.1	9.3	6.4	3.5	6.4	9.3	12.1
92.5°	20.7	18.6	16.6	15.5	15.2	15.1	14.9	14.7	14.9	15.1	15.2
95°	25.2	25.0	24.7	29.1	38.0	46.8	55.6	64.5	55.6	46.8	38.0
97.5°	89.2	118.3	147.3	159.2	153.6	148.1	142.6	137.0	142.6	148.1	153.6
100°	123.6	159.6	195.6	211.3	206.5	201.9	197.1	192.5	197.1	201.9	206.5
102.5°	258.1	262.9	267.5	268.1	264.7	261.3	257.8	254.4	257.8	261.3	264.7
105°	363.5	362.2	360.9	359.4	357.9	356.3	354.8	353.1	354.8	356.3	357.9
107.5°	452.9	451.1	449.4	448.1	447.3	446.6	445.8	444.9	445.8	446.6	447.3
110°	514.3	512.8	511.2	510.1	509.3	508.5	507.7	507.0	507.7	508.5	509.3



TEST NUMBER: P332571-840

CATALOG NUMBER: SA4XXDIP-C575D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	575.1	574.4	573.7	572.6	571.2	569.8	568.5	567.0	568.5	569.8	571.2
115°	662.4	662.6	662.9	662.6	661.8	661.1	660.2	659.4	660.2	661.1	661.8
117.5°	748.9	748.3	747.7	746.9	745.9	744.9	743.8	742.8	743.8	744.9	745.9
120°	803.1	803.4	803.7	803.2	802.2	801.2	800.1	799.1	800.1	801.2	802.2
122.5°	855.4	855.1	854.6	854.1	853.5	852.9	852.3	851.6	852.3	852.9	853.5
125°	930.4	930.9	931.4	931.2	930.1	929.1	928.1	927.0	928.1	929.1	930.1
127.5°	1002.5	1001.3	1000.1	999.4	999.2	998.9	998.6	998.4	998.6	998.9	999.2
130°	1047.4	1046.7	1045.9	1045.4	1045.1	1044.9	1044.6	1044.3	1044.6	1044.9	1045.1
132.5°	1091.2	1090.1	1089.2	1088.4	1088.0	1087.5	1087.0	1086.6	1087.0	1087.5	1088.0
135°	1151.3	1150.3	1149.3	1148.9	1149.1	1149.4	1149.7	1149.9	1149.7	1149.4	1149.1
137.5°	1209.4	1208.2	1207.1	1206.5	1206.4	1206.3	1206.2	1206.1	1206.2	1206.3	1206.4
140°	1246.3	1245.8	1245.3	1244.8	1244.3	1243.6	1243.1	1242.6	1243.1	1243.6	1244.3
142.5°	1280.5	1280.2	1279.9	1279.3	1278.3	1277.4	1276.5	1275.5	1276.5	1277.4	1278.3
145°	1329.5	1329.5	1329.5	1329.1	1328.3	1327.6	1326.8	1326.0	1326.8	1327.6	1328.3
147.5°	1372.0	1372.3	1372.5	1371.9	1370.5	1369.0	1367.6	1366.0	1367.6	1369.0	1370.5
150°	1399.3	1399.5	1399.8	1399.4	1398.4	1397.2	1396.2	1395.2	1396.2	1397.2	1398.4
152.5°	1422.2	1422.7	1423.1	1422.9	1422.1	1421.3	1420.5	1419.6	1420.5	1421.3	1422.1
155°	1453.1	1453.9	1454.6	1454.9	1454.6	1454.4	1454.1	1453.9	1454.1	1454.4	1454.6
157.5°	1479.9	1480.7	1481.6	1482.1	1482.3	1482.4	1482.6	1482.7	1482.6	1482.4	1482.3
160°	1495.4	1495.7	1496.0	1496.5	1497.3	1498.0	1498.8	1499.6	1498.8	1498.0	1497.3
162.5°	1509.5	1509.7	1510.1	1510.7	1511.7	1512.7	1513.7	1514.6	1513.7	1512.7	1511.7
165°	1527.8	1527.8	1527.8	1528.4	1529.7	1531.1	1532.4	1533.7	1532.4	1531.1	1529.7
167.5°	1542.2	1542.4	1542.5	1543.3	1544.6	1546.0	1547.3	1548.6	1547.3	1546.0	1544.6
170°	1550.7	1550.4	1550.2	1550.8	1552.5	1554.0	1555.6	1557.1	1555.6	1554.0	1552.5
172.5°	1556.4	1556.1	1555.8	1556.5	1558.0	1559.6	1561.2	1562.8	1561.2	1559.6	1558.0
175°	1562.5	1562.2	1562.0	1562.6	1564.2	1565.7	1567.3	1568.8	1567.3	1565.7	1564.2
177.5°	1566.1	1565.7	1565.3	1565.8	1567.3	1568.7	1570.2	1571.7	1570.2	1568.7	1567.3
180°	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8



TEST NUMBER: P332571-840

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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°	13.0	13.5	15.2	16.3	17.7	19.6	20.6	24.3	26.0	27.8	30.8
90°	14.9	17.5	19.6	21.6	23.7	25.9	27.4	29.0	30.5	32.1	33.1
92.5°	15.5	16.6	18.6	20.7	22.8	24.8	26.5	28.0	29.6	31.1	32.0
95°	29.1	24.7	25.0	25.2	25.5	25.9	27.4	29.0	30.5	32.1	33.0
97.5°	159.2	147.3	118.3	89.2	60.1	31.0	31.1	31.3	31.4	31.6	31.8
100°	211.3	195.6	159.6	123.6	87.7	51.6	47.2	42.7	38.4	33.9	31.8
102.5°	268.1	267.5	262.9	258.1	253.5	248.7	201.0	153.1	105.3	57.5	33.6
105°	359.4	360.9	362.2	363.5	364.8	366.1	368.5	370.8	373.1	375.5	371.9
107.5°	448.1	449.4	451.1	452.9	454.6	456.5	457.6	458.8	459.9	461.0	462.1
110°	510.1	511.2	512.8	514.3	515.9	517.5	518.0	518.6	519.1	519.6	520.2



TEST NUMBER: P332571-840

CATALOG NUMBER: SA4XXDIP-C575D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	572.6	573.7	574.4	575.1	575.9	576.6	576.5	576.4	576.3	576.2	576.6
115°	662.6	662.9	662.6	662.4	662.1	661.8	662.4	662.9	663.4	663.9	664.2
117.5°	746.9	747.7	748.3	748.9	749.5	750.0	749.9	749.8	749.7	749.6	749.5
120°	803.2	803.7	803.4	803.1	802.8	802.6	803.1	803.7	804.2	804.7	804.7
122.5°	854.1	854.6	855.1	855.4	855.8	856.2	856.5	856.8	857.1	857.4	857.3
125°	931.2	931.4	930.9	930.4	929.9	929.4	930.1	930.9	931.7	932.5	933.0
127.5°	999.4	1000.1	1001.3	1002.5	1003.7	1004.9	1004.7	1004.6	1004.4	1004.3	1004.1
130°	1045.4	1045.9	1046.7	1047.4	1048.2	1049.0	1049.2	1049.6	1049.9	1050.1	1050.2
132.5°	1088.4	1089.2	1090.1	1091.2	1092.2	1093.2	1093.4	1093.7	1094.0	1094.2	1094.2
135°	1148.9	1149.3	1150.3	1151.3	1152.5	1153.5	1154.0	1154.5	1155.0	1155.6	1156.1
137.5°	1206.5	1207.1	1208.2	1209.4	1210.5	1211.6	1212.2	1212.8	1213.4	1214.0	1214.2
140°	1244.8	1245.3	1245.8	1246.3	1246.8	1247.4	1248.1	1248.9	1249.7	1250.5	1251.0
142.5°	1279.3	1279.9	1280.2	1280.5	1280.8	1281.1	1281.7	1282.3	1282.8	1283.4	1283.7
145°	1329.1	1329.5	1329.5	1329.5	1329.5	1329.5	1329.8	1330.0	1330.3	1330.5	1330.9
147.5°	1371.9	1372.5	1372.3	1372.0	1371.7	1371.5	1371.7	1371.9	1372.1	1372.3	1372.5
150°	1399.4	1399.8	1399.5	1399.3	1399.0	1398.7	1398.7	1398.7	1398.7	1398.7	1398.9
152.5°	1422.9	1423.1	1422.7	1422.2	1421.7	1421.3	1421.7	1422.1	1422.5	1422.9	1423.0
155°	1454.9	1454.6	1453.9	1453.1	1452.3	1451.5	1452.6	1453.6	1454.6	1455.7	1455.8
157.5°	1482.1	1481.6	1480.7	1479.9	1478.9	1478.0	1479.4	1480.8	1482.1	1483.5	1483.5
160°	1496.5	1496.0	1495.7	1495.4	1495.2	1494.9	1496.5	1498.0	1499.6	1501.2	1501.2
162.5°	1510.7	1510.1	1509.7	1509.5	1509.2	1509.0	1510.6	1512.2	1513.7	1515.3	1515.2
165°	1528.4	1527.8	1527.8	1527.8	1527.8	1527.8	1529.8	1532.0	1534.1	1536.1	1536.0
167.5°	1543.3	1542.5	1542.4	1542.2	1542.1	1541.9	1544.2	1546.5	1548.7	1551.1	1550.8
170°	1550.8	1550.2	1550.4	1550.7	1551.0	1551.3	1553.4	1555.4	1557.5	1559.6	1559.3
172.5°	1556.5	1555.8	1556.1	1556.4	1556.6	1556.9	1558.9	1561.0	1563.2	1565.2	1564.9
175°	1562.6	1562.0	1562.2	1562.5	1562.8	1563.0	1565.3	1567.7	1570.0	1572.4	1572.0
177.5°	1565.8	1565.3	1565.7	1566.1	1566.6	1567.0	1568.6	1570.3	1572.0	1573.7	1573.3
180°	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8



TEST NUMBER: P332571-840
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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°	31.9	32.3	33.3	34.0	33.3	32.3	31.9	30.8	27.8	26.0	24.3
90°	33.6	34.1	34.6	35.2	34.6	34.1	33.6	33.1	32.1	30.5	29.0
92.5°	32.1	32.2	32.3	32.4	32.3	32.2	32.1	32.0	31.1	29.6	28.0
95°	33.2	33.5	33.7	34.0	33.7	33.5	33.2	33.0	32.1	30.5	29.0
97.5°	32.1	32.3	32.6	32.8	32.6	32.3	32.1	31.8	31.6	31.4	31.3
100°	32.1	32.3	32.6	32.8	32.6	32.3	32.1	31.8	33.9	38.4	42.7
102.5°	33.6	33.7	33.7	33.8	33.7	33.7	33.6	33.6	57.5	105.3	153.1
105°	362.5	353.1	343.9	334.5	343.9	353.1	362.5	371.9	375.5	373.1	370.8
107.5°	463.1	464.1	465.0	466.1	465.0	464.1	463.1	462.1	461.0	459.9	458.8
110°	521.0	521.8	522.6	523.3	522.6	521.8	521.0	520.2	519.6	519.1	518.6



TEST NUMBER: P332571-840

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	577.6	578.7	579.7	580.6	579.7	578.7	577.6	576.6	576.2	576.3	576.4
115°	664.2	664.2	664.2	664.2	664.2	664.2	664.2	664.2	663.9	663.4	662.9
117.5°	749.4	749.3	749.2	749.1	749.2	749.3	749.4	749.5	749.6	749.7	749.8
120°	804.2	803.7	803.1	802.6	803.1	803.7	804.2	804.7	804.7	804.2	803.7
122.5°	856.8	856.3	855.7	855.2	855.7	856.3	856.8	857.3	857.4	857.1	856.8
125°	933.2	933.5	933.8	934.0	933.8	933.5	933.2	933.0	932.5	931.7	930.9
127.5°	1003.9	1003.7	1003.5	1003.3	1003.5	1003.7	1003.9	1004.1	1004.3	1004.4	1004.6
130°	1050.2	1050.2	1050.2	1050.2	1050.2	1050.2	1050.2	1050.2	1050.1	1049.9	1049.6
132.5°	1094.0	1093.8	1093.6	1093.4	1093.6	1093.8	1094.0	1094.2	1094.2	1094.0	1093.7
135°	1156.6	1157.1	1157.6	1158.1	1157.6	1157.1	1156.6	1156.1	1155.6	1155.0	1154.5
137.5°	1214.1	1213.9	1213.7	1213.6	1213.7	1213.9	1214.1	1214.2	1214.0	1213.4	1212.8
140°	1251.2	1251.5	1251.7	1252.0	1251.7	1251.5	1251.2	1251.0	1250.5	1249.7	1248.9
142.5°	1283.8	1283.8	1283.9	1283.9	1283.9	1283.8	1283.8	1283.7	1283.4	1282.8	1282.3
145°	1331.4	1331.9	1332.5	1333.0	1332.5	1331.9	1331.4	1330.9	1330.5	1330.3	1330.0
147.5°	1372.8	1373.1	1373.3	1373.6	1373.3	1373.1	1372.8	1372.5	1372.3	1372.1	1371.9
150°	1399.1	1399.4	1399.7	1399.9	1399.7	1399.4	1399.1	1398.9	1398.7	1398.7	1398.7
152.5°	1422.9	1422.7	1422.6	1422.4	1422.6	1422.7	1422.9	1423.0	1422.9	1422.5	1422.1
155°	1455.0	1454.2	1453.5	1452.7	1453.5	1454.2	1455.0	1455.8	1455.7	1454.6	1453.6
157.5°	1482.1	1480.8	1479.4	1478.0	1479.4	1480.8	1482.1	1483.5	1483.5	1482.1	1480.8
160°	1499.6	1498.0	1496.5	1494.9	1496.5	1498.0	1499.6	1501.2	1501.2	1499.6	1498.0
162.5°	1513.4	1511.7	1509.8	1508.0	1509.8	1511.7	1513.4	1515.2	1515.3	1513.7	1512.2
165°	1533.7	1531.3	1528.9	1526.6	1528.9	1531.3	1533.7	1536.0	1536.1	1534.1	1532.0
167.5°	1548.3	1545.7	1543.1	1540.4	1543.1	1545.7	1548.3	1550.8	1551.1	1548.7	1546.5
170°	1556.7	1554.1	1551.6	1548.9	1551.6	1554.1	1556.7	1559.3	1559.6	1557.5	1555.4
172.5°	1562.1	1559.2	1556.4	1553.6	1556.4	1559.2	1562.1	1564.9	1565.2	1563.2	1561.0
175°	1568.8	1565.7	1562.6	1559.4	1562.6	1565.7	1568.8	1572.0	1572.4	1570.0	1567.7
177.5°	1570.7	1568.2	1565.7	1563.3	1565.7	1568.2	1570.7	1573.3	1573.7	1572.0	1570.3
180°	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8



TEST NUMBER: P332571-840

CATALOG NUMBER: SA4XXDIP-C575D1205U840-4F0-1E-UDD-A

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°	20.6	19.6	17.7	16.3	15.2	13.5	13.0	11.5	10.6	9.8	8.9
90°	27.4	25.9	23.7	21.6	19.6	17.5	14.9	12.1	9.3	6.4	3.5
92.5°	26.5	24.8	22.8	20.7	18.6	16.6	15.5	15.2	15.1	14.9	14.7
95°	27.4	25.9	25.5	25.2	25.0	24.7	29.1	38.0	46.8	55.6	64.5
97.5°	31.1	31.0	60.1	89.2	118.3	147.3	159.2	153.6	148.1	142.6	137.0
100°	47.2	51.6	87.7	123.6	159.6	195.6	211.3	206.5	201.9	197.1	192.5
102.5°	201.0	248.7	253.5	258.1	262.9	267.5	268.1	264.7	261.3	257.8	254.4
105°	368.5	366.1	364.8	363.5	362.2	360.9	359.4	357.9	356.3	354.8	353.1
107.5°	457.6	456.5	454.6	452.9	451.1	449.4	448.1	447.3	446.6	445.8	444.9
110°	518.0	517.5	515.9	514.3	512.8	511.2	510.1	509.3	508.5	507.7	507.0



TEST NUMBER: P332571-840

CATALOG NUMBER: SA4XXDIP-C575D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	576.5	576.6	575.9	575.1	574.4	573.7	572.6	571.2	569.8	568.5	567.0
115°	662.4	661.8	662.1	662.4	662.6	662.9	662.6	661.8	661.1	660.2	659.4
117.5°	749.9	750.0	749.5	748.9	748.3	747.7	746.9	745.9	744.9	743.8	742.8
120°	803.1	802.6	802.8	803.1	803.4	803.7	803.2	802.2	801.2	800.1	799.1
122.5°	856.5	856.2	855.8	855.4	855.1	854.6	854.1	853.5	852.9	852.3	851.6
125°	930.1	929.4	929.9	930.4	930.9	931.4	931.2	930.1	929.1	928.1	927.0
127.5°	1004.7	1004.9	1003.7	1002.5	1001.3	1000.1	999.4	999.2	998.9	998.6	998.4
130°	1049.2	1049.0	1048.2	1047.4	1046.7	1045.9	1045.4	1045.1	1044.9	1044.6	1044.3
132.5°	1093.4	1093.2	1092.2	1091.2	1090.1	1089.2	1088.4	1088.0	1087.5	1087.0	1086.6
135°	1154.0	1153.5	1152.5	1151.3	1150.3	1149.3	1148.9	1149.1	1149.4	1149.7	1149.9
137.5°	1212.2	1211.6	1210.5	1209.4	1208.2	1207.1	1206.5	1206.4	1206.3	1206.2	1206.1
140°	1248.1	1247.4	1246.8	1246.3	1245.8	1245.3	1244.8	1244.3	1243.6	1243.1	1242.6
142.5°	1281.7	1281.1	1280.8	1280.5	1280.2	1279.9	1279.3	1278.3	1277.4	1276.5	1275.5
145°	1329.8	1329.5	1329.5	1329.5	1329.5	1329.5	1329.1	1328.3	1327.6	1326.8	1326.0
147.5°	1371.7	1371.5	1371.7	1372.0	1372.3	1372.5	1371.9	1370.5	1369.0	1367.6	1366.0
150°	1398.7	1398.7	1399.0	1399.3	1399.5	1399.8	1399.4	1398.4	1397.2	1396.2	1395.2
152.5°	1421.7	1421.3	1421.7	1422.2	1422.7	1423.1	1422.9	1422.1	1421.3	1420.5	1419.6
155°	1452.6	1451.5	1452.3	1453.1	1453.9	1454.6	1454.9	1454.6	1454.4	1454.1	1453.9
157.5°	1479.4	1478.0	1478.9	1479.9	1480.7	1481.6	1482.1	1482.3	1482.4	1482.6	1482.7
160°	1496.5	1494.9	1495.2	1495.4	1495.7	1496.0	1496.5	1497.3	1498.0	1498.8	1499.6
162.5°	1510.6	1509.0	1509.2	1509.5	1509.7	1510.1	1510.7	1511.7	1512.7	1513.7	1514.6
165°	1529.8	1527.8	1527.8	1527.8	1527.8	1527.8	1528.4	1529.7	1531.1	1532.4	1533.7
167.5°	1544.2	1541.9	1542.1	1542.2	1542.4	1542.5	1543.3	1544.6	1546.0	1547.3	1548.6
170°	1553.4	1551.3	1551.0	1550.7	1550.4	1550.2	1550.8	1552.5	1554.0	1555.6	1557.1
172.5°	1558.9	1556.9	1556.6	1556.4	1556.1	1555.8	1556.5	1558.0	1559.6	1561.2	1562.8
175°	1565.3	1563.0	1562.8	1562.5	1562.2	1562.0	1562.6	1564.2	1565.7	1567.3	1568.8
177.5°	1568.6	1567.0	1566.6	1566.1	1565.7	1565.3	1565.8	1567.3	1568.7	1570.2	1571.7
180°	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8



TEST NUMBER: P332571-840

CATALOG NUMBER: SA4XXDIP-C575D1205U840-4F0-1E-UDD-A

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°	9.8	10.6	12.2	13.7	15.5	16.2	16.3	16.7	15.9	15.9	14.9
90°	6.4	9.3	12.1	14.9	17.5	19.6	21.6	23.7	25.9	27.4	29.0
92.5°	14.9	15.1	15.2	15.5	16.6	18.6	20.7	22.8	24.8	26.5	28.0
95°	55.6	46.8	38.0	29.1	24.7	25.0	25.2	25.5	25.9	27.4	29.0
97.5°	142.6	148.1	153.6	159.2	147.3	118.3	89.2	60.1	31.0	31.1	31.3
100°	197.1	201.9	206.5	211.3	195.6	159.6	123.6	87.7	51.6	47.2	42.7
102.5°	257.8	261.3	264.7	268.1	267.5	262.9	258.1	253.5	248.7	201.0	153.1
105°	354.8	356.3	357.9	359.4	360.9	362.2	363.5	364.8	366.1	368.5	370.8
107.5°	445.8	446.6	447.3	448.1	449.4	451.1	452.9	454.6	456.5	457.6	458.8
110°	507.7	508.5	509.3	510.1	511.2	512.8	514.3	515.9	517.5	518.0	518.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	568.5	569.8	571.2	572.6	573.7	574.4	575.1	575.9	576.6	576.5	576.4
115°	660.2	661.1	661.8	662.6	662.9	662.6	662.4	662.1	661.8	662.4	662.9
117.5°	743.8	744.9	745.9	746.9	747.7	748.3	748.9	749.5	750.0	749.9	749.8
120°	800.1	801.2	802.2	803.2	803.7	803.4	803.1	802.8	802.6	803.1	803.7
122.5°	852.3	852.9	853.5	854.1	854.6	855.1	855.4	855.8	856.2	856.5	856.8
125°	928.1	929.1	930.1	931.2	931.4	930.9	930.4	929.9	929.4	930.1	930.9
127.5°	998.6	998.9	999.2	999.4	1000.1	1001.3	1002.5	1003.7	1004.9	1004.7	1004.6
130°	1044.6	1044.9	1045.1	1045.4	1045.9	1046.7	1047.4	1048.2	1049.0	1049.2	1049.6
132.5°	1087.0	1087.5	1088.0	1088.4	1089.2	1090.1	1091.2	1092.2	1093.2	1093.4	1093.7
135°	1149.7	1149.4	1149.1	1148.9	1149.3	1150.3	1151.3	1152.5	1153.5	1154.0	1154.5
137.5°	1206.2	1206.3	1206.4	1206.5	1207.1	1208.2	1209.4	1210.5	1211.6	1212.2	1212.8
140°	1243.1	1243.6	1244.3	1244.8	1245.3	1245.8	1246.3	1246.8	1247.4	1248.1	1248.9
142.5°	1276.5	1277.4	1278.3	1279.3	1279.9	1280.2	1280.5	1280.8	1281.1	1281.7	1282.3
145°	1326.8	1327.6	1328.3	1329.1	1329.5	1329.5	1329.5	1329.5	1329.5	1329.8	1330.0
147.5°	1367.6	1369.0	1370.5	1371.9	1372.5	1372.3	1372.0	1371.7	1371.5	1371.7	1371.9
150°	1396.2	1397.2	1398.4	1399.4	1399.8	1399.5	1399.3	1399.0	1398.7	1398.7	1398.7
152.5°	1420.5	1421.3	1422.1	1422.9	1423.1	1422.7	1422.2	1421.7	1421.3	1421.7	1422.1
155°	1454.1	1454.4	1454.6	1454.9	1454.6	1453.9	1453.1	1452.3	1451.5	1452.6	1453.6
157.5°	1482.6	1482.4	1482.3	1482.1	1481.6	1480.7	1479.9	1478.9	1478.0	1479.4	1480.8
160°	1498.8	1498.0	1497.3	1496.5	1496.0	1495.7	1495.4	1495.2	1494.9	1496.5	1498.0
162.5°	1513.7	1512.7	1511.7	1510.7	1510.1	1509.7	1509.5	1509.2	1509.0	1510.6	1512.2
165°	1532.4	1531.1	1529.7	1528.4	1527.8	1527.8	1527.8	1527.8	1527.8	1529.8	1532.0
167.5°	1547.3	1546.0	1544.6	1543.3	1542.5	1542.4	1542.2	1542.1	1541.9	1544.2	1546.5
170°	1555.6	1554.0	1552.5	1550.8	1550.2	1550.4	1550.7	1551.0	1551.3	1553.4	1555.4
172.5°	1561.2	1559.6	1558.0	1556.5	1555.8	1556.1	1556.4	1556.6	1556.9	1558.9	1561.0
175°	1567.3	1565.7	1564.2	1562.6	1562.0	1562.2	1562.5	1562.8	1563.0	1565.3	1567.7
177.5°	1570.2	1568.7	1567.3	1565.8	1565.3	1565.7	1566.1	1566.6	1567.0	1568.6	1570.3
180°	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8



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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°	15.6	15.6	15.5	14.9	14.6	14.8	13.9
90°	30.5	32.1	33.1	33.6	34.1	34.6	35.2
92.5°	29.6	31.1	32.0	32.1	32.2	32.3	32.4
95°	30.5	32.1	33.0	33.2	33.5	33.7	34.0
97.5°	31.4	31.6	31.8	32.1	32.3	32.6	32.8
100°	38.4	33.9	31.8	32.1	32.3	32.6	32.8
102.5°	105.3	57.5	33.6	33.6	33.7	33.7	33.8
105°	373.1	375.5	371.9	362.5	353.1	343.9	334.5
107.5°	459.9	461.0	462.1	463.1	464.1	465.0	466.1
110°	519.1	519.6	520.2	521.0	521.8	522.6	523.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	576.3	576.2	576.6	577.6	578.7	579.7	580.6
115°	663.4	663.9	664.2	664.2	664.2	664.2	664.2
117.5°	749.7	749.6	749.5	749.4	749.3	749.2	749.1
120°	804.2	804.7	804.7	804.2	803.7	803.1	802.6
122.5°	857.1	857.4	857.3	856.8	856.3	855.7	855.2
125°	931.7	932.5	933.0	933.2	933.5	933.8	934.0
127.5°	1004.4	1004.3	1004.1	1003.9	1003.7	1003.5	1003.3
130°	1049.9	1050.1	1050.2	1050.2	1050.2	1050.2	1050.2
132.5°	1094.0	1094.2	1094.2	1094.0	1093.8	1093.6	1093.4
135°	1155.0	1155.6	1156.1	1156.6	1157.1	1157.6	1158.1
137.5°	1213.4	1214.0	1214.2	1214.1	1213.9	1213.7	1213.6
140°	1249.7	1250.5	1251.0	1251.2	1251.5	1251.7	1252.0
142.5°	1282.8	1283.4	1283.7	1283.8	1283.8	1283.9	1283.9
145°	1330.3	1330.5	1330.9	1331.4	1331.9	1332.5	1333.0
147.5°	1372.1	1372.3	1372.5	1372.8	1373.1	1373.3	1373.6
150°	1398.7	1398.7	1398.9	1399.1	1399.4	1399.7	1399.9
152.5°	1422.5	1422.9	1423.0	1422.9	1422.7	1422.6	1422.4
155°	1454.6	1455.7	1455.8	1455.0	1454.2	1453.5	1452.7
157.5°	1482.1	1483.5	1483.5	1482.1	1480.8	1479.4	1478.0
160°	1499.6	1501.2	1501.2	1499.6	1498.0	1496.5	1494.9
162.5°	1513.7	1515.3	1515.2	1513.4	1511.7	1509.8	1508.0
165°	1534.1	1536.1	1536.0	1533.7	1531.3	1528.9	1526.6
167.5°	1548.7	1551.1	1550.8	1548.3	1545.7	1543.1	1540.4
170°	1557.5	1559.6	1559.3	1556.7	1554.1	1551.6	1548.9
172.5°	1563.2	1565.2	1564.9	1562.1	1559.2	1556.4	1553.6
175°	1570.0	1572.4	1572.0	1568.8	1565.7	1562.6	1559.4
177.5°	1572.0	1573.7	1573.3	1570.7	1568.2	1565.7	1563.3
180°	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8	1568.8

(END OF REPORT)