

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: P332571-830

Luminaire Tested: **SA4XXDIP-C575D1205U830-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332571-830  
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-C575D1205U830-4F0-1E-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**

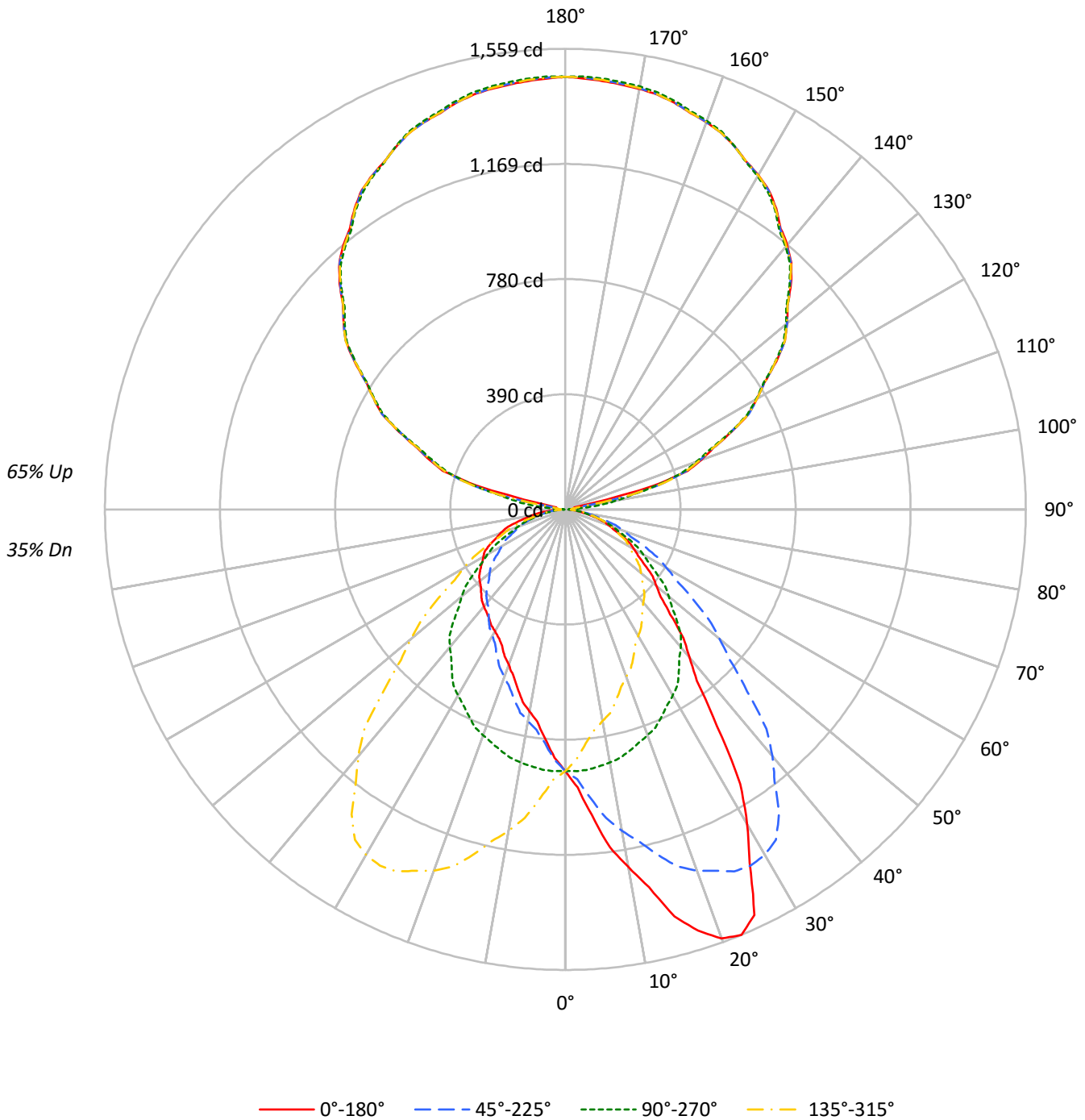
Lumens per Lamp: N/A  
Luminaire Lumens: 6976.2 lumens  
Efficiency: N/A  
Efficacy: 141.2 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

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°	7146	7146	7146	7146
5°	8417	7165	6324	7165
10°	10077	7133	5694	7133
15°	11922	7061	5229	7061
20°	13277	6988	4814	6988
25°	13491	6879	4528	6879
30°	11479	6776	4437	6776
35°	8825	6606	4438	6606
40°	6880	6407	4521	6407
45°	5736	6109	4598	6109
50°	5048	5743	4752	5743
55°	4625	5306	4944	5306
60°	4334	4913	5176	4913
65°	4034	4476	5366	4476
70°	3687	4043	5488	4043
75°	3297	3556	5421	3556
80°	2762	2915	5249	2915
85°	2038	2103	5030	2103



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.2	1.2
10°-20°	265.8	3.8
20°-30°	421.5	6.0
30°-40°	469.1	6.7
40°-50°	427.0	6.1
50°-60°	349.0	5.0
60°-70°	249.1	3.6
70°-80°	137.2	2.0
80°-90°	41.7	0.6
90°-100°	50.1	0.7
100°-110°	319.3	4.6
110°-120°	610.8	8.8
120°-130°	775.4	11.1
130°-140°	829.7	11.9
140°-150°	775.8	11.1
150°-160°	625.7	9.0
160°-170°	403.5	5.8
170°-180°	139.1	2.0
0°-30°	773.6	11.1
0°-40°	1242.8	17.8
0°-60°	2018.8	28.9
0°-90°	2446.7	35.1
90°-120°	980.2	14.1
90°-150°	3361.2	48.2
90°-180°	4529.0	64.9
0°-180°	6976.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	885	885	885	885	885	
5°	1039	884	780	884	1039	106
15°	1426	845	626	845	1426	403
25°	1515	772	508	772	1515	668
35°	896	670	450	670	896	568
45°	502	535	403	535	502	396
55°	329	377	351	377	329	297
65°	211	234	281	234	211	209
75°	106	114	174	114	106	112
85°	22	23	54	23	22	28
90°	33	3	33	3	33	15
95°	32	60	32	60	32	25
105°	312	330	312	330	312	272
115°	620	616	620	616	620	614
125°	872	865	872	865	872	776
135°	1081	1073	1081	1073	1081	832
145°	1244	1238	1244	1238	1244	777
155°	1356	1357	1356	1357	1356	625
165°	1425	1431	1425	1431	1425	402
175°	1456	1464	1456	1464	1456	139
180°	1464	1464	1464	1464	1464	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	942.2	941.9	939.0	938.4	936.3	933.7	933.1	928.4	919.0	914.6	913.4
5°	1038.6	1045.9	1036.3	1034.5	1033.4	1021.3	1015.1	1007.8	990.9	981.0	973.3
7.5°	1153.6	1154.4	1150.3	1146.9	1137.6	1127.0	1111.2	1094.3	1074.2	1053.3	1037.6
10°	1229.3	1232.2	1227.5	1226.7	1208.0	1196.3	1172.8	1153.0	1130.2	1104.9	1081.9
12.5°	1309.1	1305.0	1302.5	1286.9	1283.4	1262.0	1234.7	1214.3	1179.2	1150.1	1119.4
15°	1426.5	1418.5	1413.3	1391.8	1381.1	1351.4	1322.4	1300.0	1254.2	1210.6	1177.5
17.5°	1495.5	1503.5	1491.7	1482.8	1455.3	1434.5	1404.9	1357.9	1322.0	1267.8	1226.2
20°	1545.4	1546.1	1539.5	1530.3	1508.7	1482.3	1450.0	1398.7	1355.8	1301.8	1244.6
22.5°	1558.9	1559.1	1556.2	1547.7	1531.3	1509.9	1477.3	1434.5	1382.5	1323.9	1266.7
25°	1514.6	1513.2	1516.5	1526.0	1519.8	1513.2	1494.4	1462.5	1414.1	1352.1	1290.5
27.5°	1350.0	1360.1	1378.8	1402.2	1424.8	1442.0	1446.9	1440.4	1410.3	1359.3	1294.9
30°	1231.4	1244.0	1257.8	1281.4	1326.8	1352.8	1381.5	1403.1	1391.0	1350.3	1290.2
32.5°	1101.2	1104.3	1124.9	1151.7	1193.4	1243.4	1288.7	1332.7	1347.3	1326.0	1275.7
35°	895.5	900.7	923.0	949.4	1000.4	1061.7	1129.9	1190.7	1241.0	1261.2	1235.5
37.5°	730.8	745.6	761.3	789.7	834.6	889.8	960.6	1039.3	1114.3	1164.4	1172.9
40°	652.8	661.9	673.4	694.9	733.1	787.4	848.2	938.5	1018.0	1090.0	1113.4
42.5°	591.2	596.5	603.5	623.0	652.1	706.1	761.7	841.0	921.0	1006.9	1046.2
45°	502.4	507.9	519.6	531.0	553.0	590.4	642.2	707.4	787.7	870.6	943.2
47.5°	438.3	441.9	448.8	461.0	479.7	504.4	546.4	600.9	675.3	755.8	833.2
50°	401.9	404.8	410.4	421.4	435.6	457.7	492.1	543.1	601.4	682.5	758.4
52.5°	373.2	374.4	378.4	385.9	397.3	415.8	444.0	486.2	540.5	612.7	688.2
55°	328.6	330.1	333.8	339.2	349.1	360.9	382.5	414.1	461.4	524.1	589.7
57.5°	291.9	292.9	296.1	298.1	306.3	315.8	332.4	355.0	390.9	444.0	502.7
60°	268.4	267.7	271.4	273.2	278.7	286.8	299.6	321.2	352.4	395.3	449.2
62.5°	245.5	244.5	247.6	250.1	253.2	260.0	270.6	287.5	312.8	351.7	398.2
65°	211.2	209.8	211.6	214.5	217.4	221.1	228.8	243.8	264.0	291.9	327.4
67.5°	176.7	178.3	178.6	180.0	181.7	186.7	192.0	202.6	216.9	239.2	269.3
70°	156.2	156.6	158.1	158.1	159.2	163.5	168.0	174.2	188.1	208.7	233.3
72.5°	135.7	137.2	136.7	137.8	138.6	141.6	144.8	150.7	162.6	177.9	198.6
75°	105.7	106.7	106.7	107.1	108.2	109.2	111.9	116.2	124.7	136.0	150.3
77.5°	77.0	77.2	77.7	79.0	79.0	80.8	82.7	86.1	90.4	98.1	106.9
80°	59.4	60.1	59.8	60.5	60.5	62.0	62.7	67.1	68.9	74.1	81.1
82.5°	43.5	44.3	44.2	45.2	45.8	46.1	47.1	48.9	50.7	55.3	58.2
85°	22.0	22.7	22.0	22.7	23.8	24.2	25.3	25.6	27.1	28.3	30.8
87.5°	13.0	13.9	13.7	13.9	14.4	14.5	14.5	13.9	14.8	14.8	15.6
90°	32.9	32.3	31.9	31.4	30.9	30.0	28.5	27.1	25.5	24.1	22.1
92.5°	30.3	30.2	30.1	30.0	29.9	29.0	27.6	26.1	24.7	23.2	21.3
95°	31.8	31.5	31.3	31.0	30.8	30.0	28.5	27.1	25.5	24.1	23.8
97.5°	30.6	30.4	30.2	30.0	29.7	29.5	29.3	29.2	29.0	28.9	56.1
100°	30.6	30.4	30.2	30.0	29.7	31.7	35.8	39.9	44.0	48.2	81.8
102.5°	31.6	31.5	31.5	31.4	31.4	53.6	98.3	142.9	187.6	232.1	236.6
105°	312.2	320.9	329.6	338.4	347.1	350.4	348.3	346.1	343.9	341.7	340.4
107.5°	435.0	434.0	433.2	432.3	431.3	430.3	429.2	428.2	427.1	426.0	424.3
110°	488.4	487.8	487.0	486.3	485.5	484.9	484.5	484.0	483.4	483.0	481.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	541.9	541.0	540.1	539.1	538.2	537.8	537.9	538.0	538.1	538.2	537.5
115°	619.9	619.9	619.9	619.9	619.9	619.6	619.2	618.7	618.2	617.6	617.9
117.5°	699.2	699.3	699.4	699.5	699.6	699.6	699.7	699.8	699.9	700.0	699.6
120°	749.1	749.6	750.1	750.5	751.0	751.0	750.5	750.1	749.6	749.1	749.3
122.5°	798.1	798.6	799.2	799.7	800.1	800.2	799.9	799.7	799.4	799.1	798.7
125°	871.8	871.6	871.3	871.0	870.8	870.3	869.6	868.8	868.1	867.4	867.9
127.5°	936.4	936.6	936.8	937.0	937.2	937.4	937.5	937.6	937.7	937.9	936.8
130°	980.1	980.1	980.1	980.1	980.1	980.1	979.9	979.6	979.3	979.1	978.4
132.5°	1020.5	1020.7	1020.9	1021.1	1021.2	1021.2	1021.1	1020.8	1020.5	1020.3	1019.4
135°	1080.9	1080.4	1080.0	1079.5	1079.0	1078.6	1078.0	1077.5	1077.0	1076.6	1075.6
137.5°	1132.7	1132.7	1132.9	1133.1	1133.2	1133.0	1132.5	1132.0	1131.4	1130.9	1129.8
140°	1168.6	1168.3	1168.1	1167.8	1167.6	1167.2	1166.4	1165.6	1164.9	1164.2	1163.7
142.5°	1198.3	1198.3	1198.3	1198.3	1198.2	1197.9	1197.3	1196.8	1196.3	1195.7	1195.4
145°	1244.2	1243.7	1243.1	1242.6	1242.2	1241.8	1241.6	1241.3	1241.1	1240.9	1240.9
147.5°	1282.0	1281.8	1281.6	1281.3	1281.0	1280.8	1280.6	1280.4	1280.3	1280.1	1280.3
150°	1306.6	1306.4	1306.1	1305.8	1305.6	1305.4	1305.4	1305.4	1305.4	1305.4	1305.7
152.5°	1327.6	1327.8	1327.9	1328.0	1328.1	1328.0	1327.7	1327.3	1326.9	1326.5	1326.9
155°	1355.8	1356.6	1357.3	1358.0	1358.8	1358.7	1357.6	1356.7	1355.8	1354.7	1355.5
157.5°	1379.5	1380.7	1382.1	1383.3	1384.6	1384.6	1383.3	1382.1	1380.7	1379.5	1380.4
160°	1395.2	1396.8	1398.2	1399.7	1401.1	1401.1	1399.7	1398.2	1396.8	1395.2	1395.5
162.5°	1407.5	1409.2	1410.9	1412.5	1414.2	1414.3	1412.8	1411.4	1409.9	1408.4	1408.6
165°	1424.8	1427.0	1429.2	1431.4	1433.6	1433.7	1431.8	1429.8	1427.9	1426.0	1426.0
167.5°	1437.8	1440.2	1442.7	1445.1	1447.5	1447.7	1445.5	1443.4	1441.2	1439.1	1439.3
170°	1445.7	1448.1	1450.5	1452.9	1455.4	1455.7	1453.7	1451.7	1449.8	1447.8	1447.6
172.5°	1450.0	1452.6	1455.3	1457.9	1460.6	1460.8	1459.0	1457.0	1455.0	1453.1	1452.8
175°	1455.5	1458.4	1461.3	1464.2	1467.2	1467.5	1465.4	1463.2	1460.9	1458.8	1458.6
177.5°	1459.1	1461.3	1463.7	1466.0	1468.4	1468.8	1467.2	1465.7	1464.1	1462.5	1462.2
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	913.7	909.6	906.7	904.4	897.9	894.1	891.2	887.0	882.3	877.3	871.2
5°	965.6	953.1	944.0	930.0	916.8	905.8	894.5	884.2	871.7	858.2	848.2
7.5°	1020.1	1001.5	977.8	957.2	934.0	913.8	895.8	877.3	858.1	839.4	822.4
10°	1054.7	1030.9	1004.5	973.3	944.0	917.9	893.7	870.2	847.5	824.7	805.3
12.5°	1091.9	1062.2	1023.2	986.7	953.9	919.1	889.9	861.1	833.7	809.8	787.1
15°	1142.0	1099.1	1054.0	1005.2	962.0	921.2	881.3	844.9	814.2	782.6	760.6
17.5°	1172.7	1119.6	1068.1	1017.1	964.7	913.3	870.2	828.4	789.8	758.5	730.8
20°	1193.0	1140.2	1076.0	1025.0	962.6	909.8	860.0	813.4	773.1	739.7	711.1
22.5°	1210.6	1149.5	1085.3	1018.2	956.2	900.1	845.6	798.7	757.5	722.4	694.9
25°	1220.1	1150.1	1080.3	1013.6	943.2	876.8	827.4	772.3	728.3	691.3	661.9
27.5°	1221.2	1146.2	1067.4	993.3	920.6	858.8	796.3	747.1	701.4	662.2	634.0
30°	1217.9	1139.8	1055.1	974.8	901.8	834.6	780.4	726.9	680.2	641.4	612.1
32.5°	1207.6	1126.2	1039.2	954.2	878.6	812.9	757.0	706.1	660.6	622.4	591.5
35°	1177.9	1097.6	1004.8	916.4	839.1	772.7	722.1	670.3	624.9	588.6	558.9
37.5°	1131.5	1058.9	964.6	873.1	797.1	730.5	680.2	633.6	592.6	555.6	525.2
40°	1091.0	1027.2	932.6	843.5	761.3	697.9	650.9	608.0	567.3	532.4	503.5
42.5°	1044.3	988.7	901.4	807.1	727.8	664.1	618.4	579.9	541.5	509.3	480.3
45°	961.2	924.5	842.4	755.1	672.6	612.5	568.8	535.1	502.8	471.3	447.0
47.5°	865.5	847.3	778.2	695.3	617.0	557.7	519.9	488.7	460.4	433.7	412.4
50°	801.3	792.5	732.7	652.8	578.0	522.3	484.1	457.3	433.1	409.6	389.5
52.5°	737.9	737.6	683.7	610.5	541.3	487.6	449.8	424.7	403.8	384.7	366.6
55°	641.0	651.3	609.2	543.8	481.9	433.5	399.4	377.0	362.3	346.6	333.0
57.5°	552.0	569.1	534.3	476.8	425.1	380.5	350.8	334.0	318.4	308.9	299.0
60°	494.0	510.1	483.0	434.6	385.8	347.6	319.4	304.3	290.8	284.2	277.2
62.5°	442.3	456.8	436.6	391.7	349.4	312.7	288.9	274.5	265.3	258.1	253.4
65°	368.5	380.7	363.4	330.8	294.5	265.1	245.7	234.3	225.6	222.6	217.4
67.5°	297.9	309.0	299.6	271.9	242.8	220.6	205.4	194.4	189.3	186.6	183.0
70°	256.0	267.0	257.0	232.9	210.5	191.8	177.5	171.3	165.8	164.7	159.6
72.5°	220.5	228.0	218.0	199.2	180.0	164.2	153.2	146.7	143.7	141.8	139.0
75°	165.4	172.0	165.4	150.7	137.1	126.1	116.6	114.0	110.7	109.6	107.8
77.5°	117.1	122.8	117.7	108.6	98.4	89.9	84.8	81.5	80.8	78.9	79.7
80°	89.4	93.1	88.4	82.2	74.1	68.2	64.6	62.7	60.5	59.8	61.3
82.5°	64.3	65.9	63.4	59.3	53.3	49.4	46.9	44.8	44.4	44.5	44.5
85°	33.4	33.0	32.6	28.9	27.1	24.6	23.1	22.7	22.3	23.1	23.8
87.5°	15.2	15.1	14.4	12.8	11.4	9.9	9.1	8.3	9.1	9.9	10.7
90°	20.2	18.3	16.3	13.9	11.3	8.7	5.9	3.3	5.9	8.7	11.3
92.5°	19.3	17.3	15.5	14.4	14.2	14.1	13.9	13.8	13.9	14.1	14.2
95°	23.6	23.4	23.1	27.1	35.4	43.6	51.9	60.2	51.9	43.6	35.4
97.5°	83.2	110.4	137.5	148.5	143.4	138.3	133.1	127.9	133.1	138.3	143.4
100°	115.4	148.9	182.6	197.2	192.7	188.4	184.0	179.6	184.0	188.4	192.7
102.5°	240.9	245.3	249.7	250.2	247.0	243.8	240.6	237.4	240.6	243.8	247.0
105°	339.2	338.1	336.9	335.5	334.0	332.5	331.1	329.6	331.1	332.5	334.0
107.5°	422.7	421.0	419.4	418.2	417.5	416.8	416.0	415.3	416.0	416.8	417.5
110°	480.0	478.6	477.1	476.1	475.3	474.6	473.8	473.2	473.8	474.6	475.3





TEST NUMBER: P332571-830

CATALOG NUMBER: SA4XXDIP-C575D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	536.8	536.1	535.5	534.4	533.1	531.8	530.6	529.2	530.6	531.8	533.1
115°	618.2	618.4	618.7	618.4	617.6	617.0	616.2	615.5	616.2	617.0	617.6
117.5°	699.0	698.4	697.9	697.1	696.2	695.2	694.2	693.2	694.2	695.2	696.2
120°	749.6	749.9	750.1	749.7	748.8	747.8	746.8	745.8	746.8	747.8	748.8
122.5°	798.3	798.1	797.7	797.2	796.6	796.1	795.5	794.8	795.5	796.1	796.6
125°	868.4	868.8	869.3	869.1	868.1	867.1	866.2	865.2	866.2	867.1	868.1
127.5°	935.7	934.5	933.4	932.7	932.6	932.3	932.0	931.8	932.0	932.3	932.6
130°	977.6	976.9	976.2	975.7	975.4	975.2	975.0	974.7	975.0	975.2	975.4
132.5°	1018.4	1017.5	1016.6	1015.9	1015.5	1015.0	1014.6	1014.2	1014.6	1015.0	1015.5
135°	1074.6	1073.7	1072.7	1072.3	1072.5	1072.8	1073.1	1073.3	1073.1	1072.8	1072.5
137.5°	1128.8	1127.7	1126.6	1126.1	1126.0	1125.9	1125.8	1125.7	1125.8	1125.9	1126.0
140°	1163.2	1162.7	1162.2	1161.8	1161.3	1160.7	1160.3	1159.8	1160.3	1160.7	1161.3
142.5°	1195.1	1194.9	1194.6	1194.0	1193.1	1192.2	1191.4	1190.4	1191.4	1192.2	1193.1
145°	1240.9	1240.9	1240.9	1240.5	1239.7	1239.1	1238.3	1237.6	1238.3	1239.1	1239.7
147.5°	1280.5	1280.8	1281.0	1280.4	1279.1	1277.7	1276.4	1275.0	1276.4	1277.7	1279.1
150°	1306.0	1306.2	1306.5	1306.1	1305.1	1304.1	1303.2	1302.2	1303.2	1304.1	1305.1
152.5°	1327.4	1327.9	1328.2	1328.0	1327.3	1326.5	1325.8	1324.9	1325.8	1326.5	1327.3
155°	1356.2	1357.0	1357.6	1357.9	1357.6	1357.4	1357.2	1357.0	1357.2	1357.4	1357.6
157.5°	1381.2	1382.0	1382.8	1383.3	1383.5	1383.6	1383.7	1383.8	1383.7	1383.6	1383.5
160°	1395.7	1396.0	1396.3	1396.8	1397.5	1398.2	1398.9	1399.7	1398.9	1398.2	1397.5
162.5°	1408.9	1409.1	1409.4	1409.9	1410.9	1411.8	1412.8	1413.6	1412.8	1411.8	1410.9
165°	1426.0	1426.0	1426.0	1426.5	1427.8	1429.0	1430.2	1431.4	1430.2	1429.0	1427.8
167.5°	1439.4	1439.5	1439.6	1440.4	1441.6	1442.9	1444.2	1445.4	1444.2	1442.9	1441.6
170°	1447.4	1447.1	1446.9	1447.5	1449.0	1450.4	1451.9	1453.3	1451.9	1450.4	1449.0
172.5°	1452.6	1452.4	1452.1	1452.7	1454.2	1455.7	1457.1	1458.6	1457.1	1455.7	1454.2
175°	1458.3	1458.0	1457.8	1458.4	1459.9	1461.3	1462.8	1464.2	1462.8	1461.3	1459.9
177.5°	1461.7	1461.3	1460.9	1461.4	1462.8	1464.1	1465.6	1466.9	1465.6	1464.1	1462.8
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2



TEST NUMBER: P332571-830

CATALOG NUMBER: SA4XXDIP-C575D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	868.3	865.6	861.8	856.5	852.2	847.4	846.2	844.5	848.0	845.1	844.2
5°	839.8	832.1	822.2	810.9	804.3	794.7	792.9	789.2	785.5	785.1	781.5
7.5°	809.6	798.3	785.4	773.8	763.1	752.7	745.8	744.4	739.0	735.8	732.2
10°	790.3	776.4	761.3	750.4	737.8	726.9	719.2	714.7	711.1	707.0	703.4
12.5°	767.4	752.6	740.2	728.3	713.5	705.1	692.5	684.9	684.1	684.2	674.7
15°	740.7	726.1	707.0	690.2	682.1	666.0	659.0	650.2	644.7	639.2	634.8
17.5°	710.4	692.1	677.2	657.8	642.4	629.6	620.4	615.1	606.9	599.1	593.4
20°	691.3	671.8	656.1	635.6	618.7	602.9	595.2	587.9	581.6	575.0	568.8
22.5°	671.9	651.6	632.4	612.4	596.6	580.0	572.6	562.6	556.7	553.0	546.8
25°	641.4	619.4	597.4	578.3	562.2	547.5	537.6	529.9	523.3	520.4	516.3
27.5°	608.2	586.4	565.1	543.5	525.2	514.5	506.6	500.8	497.0	493.1	491.3
30°	587.1	564.4	541.7	521.5	504.6	494.0	486.6	482.6	479.7	477.9	476.0
32.5°	565.7	543.3	519.3	501.0	485.9	476.4	470.8	466.7	465.3	464.7	464.0
35°	531.4	508.7	486.6	470.1	455.8	452.1	447.4	445.2	444.5	447.0	448.2
37.5°	498.1	477.0	456.8	440.8	431.4	426.0	424.4	424.5	427.2	429.4	432.1
40°	476.7	456.2	437.2	423.2	414.4	411.1	410.4	412.2	415.1	417.7	420.7
42.5°	455.9	435.6	418.4	405.3	399.2	396.2	396.6	398.4	402.6	405.7	410.1
45°	423.6	406.7	389.8	379.2	374.1	374.8	374.8	378.1	382.1	386.9	391.6
47.5°	393.1	376.1	362.2	353.3	350.6	350.0	352.0	356.4	362.2	368.1	374.8
50°	372.6	356.5	344.3	336.3	333.4	334.4	337.4	341.4	348.4	355.7	362.7
52.5°	351.8	337.1	325.8	318.4	316.3	318.3	321.2	327.6	333.8	341.7	350.1
55°	319.4	307.0	298.1	292.7	291.9	293.0	296.3	303.3	312.1	322.0	330.1
57.5°	287.2	276.8	268.7	264.9	265.3	266.4	271.7	280.0	289.5	300.0	310.4
60°	265.5	256.0	249.4	246.5	246.9	249.0	255.6	263.3	275.0	285.3	296.3
62.5°	245.0	236.6	230.3	227.6	227.2	232.0	238.3	246.3	258.1	269.5	281.3
65°	212.0	205.4	200.2	198.8	199.8	203.5	211.6	222.3	232.1	244.2	256.7
67.5°	179.6	174.3	170.8	171.4	172.8	178.1	184.9	194.1	205.3	217.8	230.2
70°	159.2	154.0	151.1	151.5	153.6	160.2	166.2	175.3	187.4	200.2	210.5
72.5°	138.1	134.7	132.1	133.6	135.7	140.3	147.6	156.8	167.5	179.4	190.3
75°	105.9	105.9	104.5	105.7	109.0	113.3	118.9	128.4	139.0	148.5	157.3
77.5°	78.6	77.9	78.8	80.1	82.0	87.2	93.5	100.4	108.3	117.9	125.2
80°	60.1	60.5	62.3	64.6	65.3	69.3	75.9	82.2	88.4	96.4	103.4
82.5°	45.1	45.5	46.5	49.3	50.0	54.4	58.6	64.8	70.5	75.9	81.7
85°	24.6	24.6	26.4	27.5	29.3	32.2	34.9	38.5	43.6	47.3	52.8
87.5°	12.2	12.6	14.2	15.2	16.5	18.3	19.2	22.7	24.2	25.9	28.7
90°	13.9	16.3	18.3	20.2	22.1	24.1	25.5	27.1	28.5	30.0	30.9
92.5°	14.4	15.5	17.3	19.3	21.3	23.2	24.7	26.1	27.6	29.0	29.9
95°	27.1	23.1	23.4	23.6	23.8	24.1	25.5	27.1	28.5	30.0	30.8
97.5°	148.5	137.5	110.4	83.2	56.1	28.9	29.0	29.2	29.3	29.5	29.7
100°	197.2	182.6	148.9	115.4	81.8	48.2	44.0	39.9	35.8	31.7	29.7
102.5°	250.2	249.7	245.3	240.9	236.6	232.1	187.6	142.9	98.3	53.6	31.4
105°	335.5	336.9	338.1	339.2	340.4	341.7	343.9	346.1	348.3	350.4	347.1
107.5°	418.2	419.4	421.0	422.7	424.3	426.0	427.1	428.2	429.2	430.3	431.3
110°	476.1	477.1	478.6	480.0	481.5	483.0	483.4	484.0	484.5	484.9	485.5



TEST NUMBER: P332571-830

CATALOG NUMBER: SA4XXDIP-C575D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	534.4	535.5	536.1	536.8	537.5	538.2	538.1	538.0	537.9	537.8	538.2
115°	618.4	618.7	618.4	618.2	617.9	617.6	618.2	618.7	619.2	619.6	619.9
117.5°	697.1	697.9	698.4	699.0	699.6	700.0	699.9	699.8	699.7	699.6	699.6
120°	749.7	750.1	749.9	749.6	749.3	749.1	749.6	750.1	750.5	751.0	751.0
122.5°	797.2	797.7	798.1	798.3	798.7	799.1	799.4	799.7	799.9	800.2	800.1
125°	869.1	869.3	868.8	868.4	867.9	867.4	868.1	868.8	869.6	870.3	870.8
127.5°	932.7	933.4	934.5	935.7	936.8	937.9	937.7	937.6	937.5	937.4	937.2
130°	975.7	976.2	976.9	977.6	978.4	979.1	979.3	979.6	979.9	980.1	980.1
132.5°	1015.9	1016.6	1017.5	1018.4	1019.4	1020.3	1020.5	1020.8	1021.1	1021.2	1021.2
135°	1072.3	1072.7	1073.7	1074.6	1075.6	1076.6	1077.0	1077.5	1078.0	1078.6	1079.0
137.5°	1126.1	1126.6	1127.7	1128.8	1129.8	1130.9	1131.4	1132.0	1132.5	1133.0	1133.2
140°	1161.8	1162.2	1162.7	1163.2	1163.7	1164.2	1164.9	1165.6	1166.4	1167.2	1167.6
142.5°	1194.0	1194.6	1194.9	1195.1	1195.4	1195.7	1196.3	1196.8	1197.3	1197.9	1198.2
145°	1240.5	1240.9	1240.9	1240.9	1240.9	1240.9	1241.1	1241.3	1241.6	1241.8	1242.2
147.5°	1280.4	1281.0	1280.8	1280.5	1280.3	1280.1	1280.3	1280.4	1280.6	1280.8	1281.0
150°	1306.1	1306.5	1306.2	1306.0	1305.7	1305.4	1305.4	1305.4	1305.4	1305.4	1305.6
152.5°	1328.0	1328.2	1327.9	1327.4	1326.9	1326.5	1326.9	1327.3	1327.7	1328.0	1328.1
155°	1357.9	1357.6	1357.0	1356.2	1355.5	1354.7	1355.8	1356.7	1357.6	1358.7	1358.8
157.5°	1383.3	1382.8	1382.0	1381.2	1380.4	1379.5	1380.7	1382.1	1383.3	1384.6	1384.6
160°	1396.8	1396.3	1396.0	1395.7	1395.5	1395.2	1396.8	1398.2	1399.7	1401.1	1401.1
162.5°	1409.9	1409.4	1409.1	1408.9	1408.6	1408.4	1409.9	1411.4	1412.8	1414.3	1414.2
165°	1426.5	1426.0	1426.0	1426.0	1426.0	1426.0	1427.9	1429.8	1431.8	1433.7	1433.6
167.5°	1440.4	1439.6	1439.5	1439.4	1439.3	1439.1	1441.2	1443.4	1445.5	1447.7	1447.5
170°	1447.5	1446.9	1447.1	1447.4	1447.6	1447.8	1449.8	1451.7	1453.7	1455.7	1455.4
172.5°	1452.7	1452.1	1452.4	1452.6	1452.8	1453.1	1455.0	1457.0	1459.0	1460.8	1460.6
175°	1458.4	1457.8	1458.0	1458.3	1458.6	1458.8	1460.9	1463.2	1465.4	1467.5	1467.2
177.5°	1461.4	1460.9	1461.3	1461.7	1462.2	1462.5	1464.1	1465.7	1467.2	1468.8	1468.4
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2



TEST NUMBER: P332571-830

CATALOG NUMBER: SA4XXDIP-C575D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	843.6	843.0	840.9	840.7	840.9	843.0	843.6	844.2	845.1	848.0	844.5
5°	779.3	777.5	776.4	780.4	776.4	777.5	779.3	781.5	785.1	785.5	789.2
7.5°	730.8	729.3	726.1	725.1	726.1	729.3	730.8	732.2	735.8	739.0	744.4
10°	699.7	698.2	695.3	694.6	695.3	698.2	699.7	703.4	707.0	711.1	714.7
12.5°	669.8	666.8	666.3	667.0	666.3	666.8	669.8	674.7	684.2	684.1	684.9
15°	630.0	628.6	624.5	625.7	624.5	628.6	630.0	634.8	639.2	644.7	650.2
17.5°	590.9	589.1	584.2	588.5	584.2	589.1	590.9	593.4	599.1	606.9	615.1
20°	566.2	563.3	560.7	560.3	560.7	563.3	566.2	568.8	575.0	581.6	587.9
22.5°	542.7	540.1	539.9	537.4	539.9	540.1	542.7	546.8	553.0	556.7	562.6
25°	513.4	510.9	510.1	508.3	510.1	510.9	513.4	516.3	520.4	523.3	529.9
27.5°	490.9	489.7	488.3	488.9	488.3	489.7	490.9	491.3	493.1	497.0	500.8
30°	477.1	476.7	476.0	476.0	476.0	476.7	477.1	476.0	477.9	479.7	482.6
32.5°	465.7	465.6	466.0	466.0	466.0	465.6	465.7	464.0	464.7	465.3	466.7
35°	449.6	450.7	451.5	450.3	451.5	450.7	449.6	448.2	447.0	444.5	445.2
37.5°	435.1	436.2	437.2	438.5	437.2	436.2	435.1	432.1	429.4	427.2	424.5
40°	424.0	426.5	427.3	429.0	427.3	426.5	424.0	420.7	417.7	415.1	412.2
42.5°	413.4	416.2	418.1	418.5	418.1	416.2	413.4	410.1	405.7	402.6	398.4
45°	397.2	400.1	402.7	402.7	402.7	400.1	397.2	391.6	386.9	382.1	378.1
47.5°	380.4	384.7	387.2	387.9	387.2	384.7	380.4	374.8	368.1	362.2	356.4
50°	368.9	374.1	376.6	378.4	376.6	374.1	368.9	362.7	355.7	348.4	341.4
52.5°	357.8	362.9	366.4	367.3	366.4	362.9	357.8	350.1	341.7	333.8	327.6
55°	338.5	345.8	349.9	351.3	349.9	345.8	338.5	330.1	322.0	312.1	303.3
57.5°	320.3	327.1	331.8	332.8	331.8	327.1	320.3	310.4	300.0	289.5	280.0
60°	306.2	313.6	319.4	320.6	319.4	313.6	306.2	296.3	285.3	275.0	263.3
62.5°	291.8	299.4	304.7	307.6	304.7	299.4	291.8	281.3	269.5	258.1	246.3
65°	267.0	274.7	279.8	280.9	279.8	274.7	267.0	256.7	244.2	232.1	222.3
67.5°	239.9	247.5	250.9	253.1	250.9	247.5	239.9	230.2	217.8	205.3	194.1
70°	220.7	227.0	230.6	232.5	230.6	227.0	220.7	210.5	200.2	187.4	175.3
72.5°	199.1	205.6	209.8	210.2	209.8	205.6	199.1	190.3	179.4	167.5	156.8
75°	165.8	171.6	173.8	173.8	173.8	171.6	165.8	157.3	148.5	139.0	128.4
77.5°	131.2	134.2	137.0	137.6	137.0	134.2	131.2	125.2	117.9	108.3	100.4
80°	109.0	110.7	112.9	112.9	112.9	110.7	109.0	103.4	96.4	88.4	82.2
82.5°	86.1	87.6	89.7	89.4	89.7	87.6	86.1	81.7	75.9	70.5	64.8
85°	52.0	55.4	55.0	54.3	55.0	55.4	52.0	52.8	47.3	43.6	38.5
87.5°	29.8	30.2	31.1	31.8	31.1	30.2	29.8	28.7	25.9	24.2	22.7
90°	31.4	31.9	32.3	32.9	32.3	31.9	31.4	30.9	30.0	28.5	27.1
92.5°	30.0	30.1	30.2	30.3	30.2	30.1	30.0	29.9	29.0	27.6	26.1
95°	31.0	31.3	31.5	31.8	31.5	31.3	31.0	30.8	30.0	28.5	27.1
97.5°	30.0	30.2	30.4	30.6	30.4	30.2	30.0	29.7	29.5	29.3	29.2
100°	30.0	30.2	30.4	30.6	30.4	30.2	30.0	29.7	31.7	35.8	39.9
102.5°	31.4	31.5	31.5	31.6	31.5	31.5	31.4	31.4	53.6	98.3	142.9
105°	338.4	329.6	320.9	312.2	320.9	329.6	338.4	347.1	350.4	348.3	346.1
107.5°	432.3	433.2	434.0	435.0	434.0	433.2	432.3	431.3	430.3	429.2	428.2
110°	486.3	487.0	487.8	488.4	487.8	487.0	486.3	485.5	484.9	484.5	484.0



TEST NUMBER: P332571-830

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	539.1	540.1	541.0	541.9	541.0	540.1	539.1	538.2	537.8	537.9	538.0
115°	619.9	619.9	619.9	619.9	619.9	619.9	619.9	619.9	619.6	619.2	618.7
117.5°	699.5	699.4	699.3	699.2	699.3	699.4	699.5	699.6	699.6	699.7	699.8
120°	750.5	750.1	749.6	749.1	749.6	750.1	750.5	751.0	751.0	750.5	750.1
122.5°	799.7	799.2	798.6	798.1	798.6	799.2	799.7	800.1	800.2	799.9	799.7
125°	871.0	871.3	871.6	871.8	871.6	871.3	871.0	870.8	870.3	869.6	868.8
127.5°	937.0	936.8	936.6	936.4	936.6	936.8	937.0	937.2	937.4	937.5	937.6
130°	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	980.1	979.9	979.6
132.5°	1021.1	1020.9	1020.7	1020.5	1020.7	1020.9	1021.1	1021.2	1021.2	1021.1	1020.8
135°	1079.5	1080.0	1080.4	1080.9	1080.4	1080.0	1079.5	1079.0	1078.6	1078.0	1077.5
137.5°	1133.1	1132.9	1132.7	1132.7	1132.7	1132.9	1133.1	1133.2	1133.0	1132.5	1132.0
140°	1167.8	1168.1	1168.3	1168.6	1168.3	1168.1	1167.8	1167.6	1167.2	1166.4	1165.6
142.5°	1198.3	1198.3	1198.3	1198.3	1198.3	1198.3	1198.3	1198.2	1197.9	1197.3	1196.8
145°	1242.6	1243.1	1243.7	1244.2	1243.7	1243.1	1242.6	1242.2	1241.8	1241.6	1241.3
147.5°	1281.3	1281.6	1281.8	1282.0	1281.8	1281.6	1281.3	1281.0	1280.8	1280.6	1280.4
150°	1305.8	1306.1	1306.4	1306.6	1306.4	1306.1	1305.8	1305.6	1305.4	1305.4	1305.4
152.5°	1328.0	1327.9	1327.8	1327.6	1327.8	1327.9	1328.0	1328.1	1328.0	1327.7	1327.3
155°	1358.0	1357.3	1356.6	1355.8	1356.6	1357.3	1358.0	1358.8	1358.7	1357.6	1356.7
157.5°	1383.3	1382.1	1380.7	1379.5	1380.7	1382.1	1383.3	1384.6	1384.6	1383.3	1382.1
160°	1399.7	1398.2	1396.8	1395.2	1396.8	1398.2	1399.7	1401.1	1401.1	1399.7	1398.2
162.5°	1412.5	1410.9	1409.2	1407.5	1409.2	1410.9	1412.5	1414.2	1414.3	1412.8	1411.4
165°	1431.4	1429.2	1427.0	1424.8	1427.0	1429.2	1431.4	1433.6	1433.7	1431.8	1429.8
167.5°	1445.1	1442.7	1440.2	1437.8	1440.2	1442.7	1445.1	1447.5	1447.7	1445.5	1443.4
170°	1452.9	1450.5	1448.1	1445.7	1448.1	1450.5	1452.9	1455.4	1455.7	1453.7	1451.7
172.5°	1457.9	1455.3	1452.6	1450.0	1452.6	1455.3	1457.9	1460.6	1460.8	1459.0	1457.0
175°	1464.2	1461.3	1458.4	1455.5	1458.4	1461.3	1464.2	1467.2	1467.5	1465.4	1463.2
177.5°	1466.0	1463.7	1461.3	1459.1	1461.3	1463.7	1466.0	1468.4	1468.8	1467.2	1465.7
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2



TEST NUMBER: P332571-830

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	846.2	847.4	852.2	856.5	861.8	865.6	868.3	871.2	877.3	882.3	887.0
5°	792.9	794.7	804.3	810.9	822.2	832.1	839.8	848.2	858.2	871.7	884.2
7.5°	745.8	752.7	763.1	773.8	785.4	798.3	809.6	822.4	839.4	858.1	877.3
10°	719.2	726.9	737.8	750.4	761.3	776.4	790.3	805.3	824.7	847.5	870.2
12.5°	692.5	705.1	713.5	728.3	740.2	752.6	767.4	787.1	809.8	833.7	861.1
15°	659.0	666.0	682.1	690.2	707.0	726.1	740.7	760.6	782.6	814.2	844.9
17.5°	620.4	629.6	642.4	657.8	677.2	692.1	710.4	730.8	758.5	789.8	828.4
20°	595.2	602.9	618.7	635.6	656.1	671.8	691.3	711.1	739.7	773.1	813.4
22.5°	572.6	580.0	596.6	612.4	632.4	651.6	671.9	694.9	722.4	757.5	798.7
25°	537.6	547.5	562.2	578.3	597.4	619.4	641.4	661.9	691.3	728.3	772.3
27.5°	506.6	514.5	525.2	543.5	565.1	586.4	608.2	634.0	662.2	701.4	747.1
30°	486.6	494.0	504.6	521.5	541.7	564.4	587.1	612.1	641.4	680.2	726.9
32.5°	470.8	476.4	485.9	501.0	519.3	543.3	565.7	591.5	622.4	660.6	706.1
35°	447.4	452.1	455.8	470.1	486.6	508.7	531.4	558.9	588.6	624.9	670.3
37.5°	424.4	426.0	431.4	440.8	456.8	477.0	498.1	525.2	555.6	592.6	633.6
40°	410.4	411.1	414.4	423.2	437.2	456.2	476.7	503.5	532.4	567.3	608.0
42.5°	396.6	396.2	399.2	405.3	418.4	435.6	455.9	480.3	509.3	541.5	579.9
45°	374.8	374.8	374.1	379.2	389.8	406.7	423.6	447.0	471.3	502.8	535.1
47.5°	352.0	350.0	350.6	353.3	362.2	376.1	393.1	412.4	433.7	460.4	488.7
50°	337.4	334.4	333.4	336.3	344.3	356.5	372.6	389.5	409.6	433.1	457.3
52.5°	321.2	318.3	316.3	318.4	325.8	337.1	351.8	366.6	384.7	403.8	424.7
55°	296.3	293.0	291.9	292.7	298.1	307.0	319.4	333.0	346.6	362.3	377.0
57.5°	271.7	266.4	265.3	264.9	268.7	276.8	287.2	299.0	308.9	318.4	334.0
60°	255.6	249.0	246.9	246.5	249.4	256.0	265.5	277.2	284.2	290.8	304.3
62.5°	238.3	232.0	227.2	227.6	230.3	236.6	245.0	253.4	258.1	265.3	274.5
65°	211.6	203.5	199.8	198.8	200.2	205.4	212.0	217.4	222.6	225.6	234.3
67.5°	184.9	178.1	172.8	171.4	170.8	174.3	179.6	183.0	186.6	189.3	194.4
70°	166.2	160.2	153.6	151.5	151.1	154.0	159.2	159.6	164.7	165.8	171.3
72.5°	147.6	140.3	135.7	133.6	132.1	134.7	138.1	139.0	141.8	143.7	146.7
75°	118.9	113.3	109.0	105.7	104.5	105.9	105.9	107.8	109.6	110.7	114.0
77.5°	93.5	87.2	82.0	80.1	78.8	77.9	78.6	79.7	78.9	80.8	81.5
80°	75.9	69.3	65.3	64.6	62.3	60.5	60.1	61.3	59.8	60.5	62.7
82.5°	58.6	54.4	50.0	49.3	46.5	45.5	45.1	44.5	44.5	44.4	44.8
85°	34.9	32.2	29.3	27.5	26.4	24.6	24.6	23.8	23.1	22.3	22.7
87.5°	19.2	18.3	16.5	15.2	14.2	12.6	12.2	10.7	9.9	9.1	8.3
90°	25.5	24.1	22.1	20.2	18.3	16.3	13.9	11.3	8.7	5.9	3.3
92.5°	24.7	23.2	21.3	19.3	17.3	15.5	14.4	14.2	14.1	13.9	13.8
95°	25.5	24.1	23.8	23.6	23.4	23.1	27.1	35.4	43.6	51.9	60.2
97.5°	29.0	28.9	56.1	83.2	110.4	137.5	148.5	143.4	138.3	133.1	127.9
100°	44.0	48.2	81.8	115.4	148.9	182.6	197.2	192.7	188.4	184.0	179.6
102.5°	187.6	232.1	236.6	240.9	245.3	249.7	250.2	247.0	243.8	240.6	237.4
105°	343.9	341.7	340.4	339.2	338.1	336.9	335.5	334.0	332.5	331.1	329.6
107.5°	427.1	426.0	424.3	422.7	421.0	419.4	418.2	417.5	416.8	416.0	415.3
110°	483.4	483.0	481.5	480.0	478.6	477.1	476.1	475.3	474.6	473.8	473.2



TEST NUMBER: P332571-830

CATALOG NUMBER: SA4XXDIP-C575D1205U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	538.1	538.2	537.5	536.8	536.1	535.5	534.4	533.1	531.8	530.6	529.2
115°	618.2	617.6	617.9	618.2	618.4	618.7	618.4	617.6	617.0	616.2	615.5
117.5°	699.9	700.0	699.6	699.0	698.4	697.9	697.1	696.2	695.2	694.2	693.2
120°	749.6	749.1	749.3	749.6	749.9	750.1	749.7	748.8	747.8	746.8	745.8
122.5°	799.4	799.1	798.7	798.3	798.1	797.7	797.2	796.6	796.1	795.5	794.8
125°	868.1	867.4	867.9	868.4	868.8	869.3	869.1	868.1	867.1	866.2	865.2
127.5°	937.7	937.9	936.8	935.7	934.5	933.4	932.7	932.6	932.3	932.0	931.8
130°	979.3	979.1	978.4	977.6	976.9	976.2	975.7	975.4	975.2	975.0	974.7
132.5°	1020.5	1020.3	1019.4	1018.4	1017.5	1016.6	1015.9	1015.5	1015.0	1014.6	1014.2
135°	1077.0	1076.6	1075.6	1074.6	1073.7	1072.7	1072.3	1072.5	1072.8	1073.1	1073.3
137.5°	1131.4	1130.9	1129.8	1128.8	1127.7	1126.6	1126.1	1126.0	1125.9	1125.8	1125.7
140°	1164.9	1164.2	1163.7	1163.2	1162.7	1162.2	1161.8	1161.3	1160.7	1160.3	1159.8
142.5°	1196.3	1195.7	1195.4	1195.1	1194.9	1194.6	1194.0	1193.1	1192.2	1191.4	1190.4
145°	1241.1	1240.9	1240.9	1240.9	1240.9	1240.9	1240.5	1239.7	1239.1	1238.3	1237.6
147.5°	1280.3	1280.1	1280.3	1280.5	1280.8	1281.0	1280.4	1279.1	1277.7	1276.4	1275.0
150°	1305.4	1305.4	1305.7	1306.0	1306.2	1306.5	1306.1	1305.1	1304.1	1303.2	1302.2
152.5°	1326.9	1326.5	1326.9	1327.4	1327.9	1328.2	1328.0	1327.3	1326.5	1325.8	1324.9
155°	1355.8	1354.7	1355.5	1356.2	1357.0	1357.6	1357.9	1357.6	1357.4	1357.2	1357.0
157.5°	1380.7	1379.5	1380.4	1381.2	1382.0	1382.8	1383.3	1383.5	1383.6	1383.7	1383.8
160°	1396.8	1395.2	1395.5	1395.7	1396.0	1396.3	1396.8	1397.5	1398.2	1398.9	1399.7
162.5°	1409.9	1408.4	1408.6	1408.9	1409.1	1409.4	1409.9	1410.9	1411.8	1412.8	1413.6
165°	1427.9	1426.0	1426.0	1426.0	1426.0	1426.0	1426.5	1427.8	1429.0	1430.2	1431.4
167.5°	1441.2	1439.1	1439.3	1439.4	1439.5	1439.6	1440.4	1441.6	1442.9	1444.2	1445.4
170°	1449.8	1447.8	1447.6	1447.4	1447.1	1446.9	1447.5	1449.0	1450.4	1451.9	1453.3
172.5°	1455.0	1453.1	1452.8	1452.6	1452.4	1452.1	1452.7	1454.2	1455.7	1457.1	1458.6
175°	1460.9	1458.8	1458.6	1458.3	1458.0	1457.8	1458.4	1459.9	1461.3	1462.8	1464.2
177.5°	1464.1	1462.5	1462.2	1461.7	1461.3	1460.9	1461.4	1462.8	1464.1	1465.6	1466.9
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2



TEST NUMBER: P332571-830  
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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	891.2	894.1	897.9	904.4	906.7	909.6	913.7	913.4	914.6	919.0	928.4
5°	894.5	905.8	916.8	930.0	944.0	953.1	965.6	973.3	981.0	990.9	1007.8
7.5°	895.8	913.8	934.0	957.2	977.8	1001.5	1020.1	1037.6	1053.3	1074.2	1094.3
10°	893.7	917.9	944.0	973.3	1004.5	1030.9	1054.7	1081.9	1104.9	1130.2	1153.0
12.5°	889.9	919.1	953.9	986.7	1023.2	1062.2	1091.9	1119.4	1150.1	1179.2	1214.3
15°	881.3	921.2	962.0	1005.2	1054.0	1099.1	1142.0	1177.5	1210.6	1254.2	1300.0
17.5°	870.2	913.3	964.7	1017.1	1068.1	1119.6	1172.7	1226.2	1267.8	1322.0	1357.9
20°	860.0	909.8	962.6	1025.0	1076.0	1140.2	1193.0	1244.6	1301.8	1355.8	1398.7
22.5°	845.6	900.1	956.2	1018.2	1085.3	1149.5	1210.6	1266.7	1323.9	1382.5	1434.5
25°	827.4	876.8	943.2	1013.6	1080.3	1150.1	1220.1	1290.5	1352.1	1414.1	1462.5
27.5°	796.3	858.8	920.6	993.3	1067.4	1146.2	1221.2	1294.9	1359.3	1410.3	1440.4
30°	780.4	834.6	901.8	974.8	1055.1	1139.8	1217.9	1290.2	1350.3	1391.0	1403.1
32.5°	757.0	812.9	878.6	954.2	1039.2	1126.2	1207.6	1275.7	1326.0	1347.3	1332.7
35°	722.1	772.7	839.1	916.4	1004.8	1097.6	1177.9	1235.5	1261.2	1241.0	1190.7
37.5°	680.2	730.5	797.1	873.1	964.6	1058.9	1131.5	1172.9	1164.4	1114.3	1039.3
40°	650.9	697.9	761.3	843.5	932.6	1027.2	1091.0	1113.4	1090.0	1018.0	938.5
42.5°	618.4	664.1	727.8	807.1	901.4	988.7	1044.3	1046.2	1006.9	921.0	841.0
45°	568.8	612.5	672.6	755.1	842.4	924.5	961.2	943.2	870.6	787.7	707.4
47.5°	519.9	557.7	617.0	695.3	778.2	847.3	865.5	833.2	755.8	675.3	600.9
50°	484.1	522.3	578.0	652.8	732.7	792.5	801.3	758.4	682.5	601.4	543.1
52.5°	449.8	487.6	541.3	610.5	683.7	737.6	737.9	688.2	612.7	540.5	486.2
55°	399.4	433.5	481.9	543.8	609.2	651.3	641.0	589.7	524.1	461.4	414.1
57.5°	350.8	380.5	425.1	476.8	534.3	569.1	552.0	502.7	444.0	390.9	355.0
60°	319.4	347.6	385.8	434.6	483.0	510.1	494.0	449.2	395.3	352.4	321.2
62.5°	288.9	312.7	349.4	391.7	436.6	456.8	442.3	398.2	351.7	312.8	287.5
65°	245.7	265.1	294.5	330.8	363.4	380.7	368.5	327.4	291.9	264.0	243.8
67.5°	205.4	220.6	242.8	271.9	299.6	309.0	297.9	269.3	239.2	216.9	202.6
70°	177.5	191.8	210.5	232.9	257.0	267.0	256.0	233.3	208.7	188.1	174.2
72.5°	153.2	164.2	180.0	199.2	218.0	228.0	220.5	198.6	177.9	162.6	150.7
75°	116.6	126.1	137.1	150.7	165.4	172.0	165.4	150.3	136.0	124.7	116.2
77.5°	84.8	89.9	98.4	108.6	117.7	122.8	117.1	106.9	98.1	90.4	86.1
80°	64.6	68.2	74.1	82.2	88.4	93.1	89.4	81.1	74.1	68.9	67.1
82.5°	46.9	49.4	53.3	59.3	63.4	65.9	64.3	58.2	55.3	50.7	48.9
85°	23.1	24.6	27.1	28.9	32.6	33.0	33.4	30.8	28.3	27.1	25.6
87.5°	9.1	9.9	11.4	12.8	14.4	15.1	15.2	15.6	14.8	14.8	13.9
90°	5.9	8.7	11.3	13.9	16.3	18.3	20.2	22.1	24.1	25.5	27.1
92.5°	13.9	14.1	14.2	14.4	15.5	17.3	19.3	21.3	23.2	24.7	26.1
95°	51.9	43.6	35.4	27.1	23.1	23.4	23.6	23.8	24.1	25.5	27.1
97.5°	133.1	138.3	143.4	148.5	137.5	110.4	83.2	56.1	28.9	29.0	29.2
100°	184.0	188.4	192.7	197.2	182.6	148.9	115.4	81.8	48.2	44.0	39.9
102.5°	240.6	243.8	247.0	250.2	249.7	245.3	240.9	236.6	232.1	187.6	142.9
105°	331.1	332.5	334.0	335.5	336.9	338.1	339.2	340.4	341.7	343.9	346.1
107.5°	416.0	416.8	417.5	418.2	419.4	421.0	422.7	424.3	426.0	427.1	428.2
110°	473.8	474.6	475.3	476.1	477.1	478.6	480.0	481.5	483.0	483.4	484.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	530.6	531.8	533.1	534.4	535.5	536.1	536.8	537.5	538.2	538.1	538.0
115°	616.2	617.0	617.6	618.4	618.7	618.4	618.2	617.9	617.6	618.2	618.7
117.5°	694.2	695.2	696.2	697.1	697.9	698.4	699.0	699.6	700.0	699.9	699.8
120°	746.8	747.8	748.8	749.7	750.1	749.9	749.6	749.3	749.1	749.6	750.1
122.5°	795.5	796.1	796.6	797.2	797.7	798.1	798.3	798.7	799.1	799.4	799.7
125°	866.2	867.1	868.1	869.1	869.3	868.8	868.4	867.9	867.4	868.1	868.8
127.5°	932.0	932.3	932.6	932.7	933.4	934.5	935.7	936.8	937.9	937.7	937.6
130°	975.0	975.2	975.4	975.7	976.2	976.9	977.6	978.4	979.1	979.3	979.6
132.5°	1014.6	1015.0	1015.5	1015.9	1016.6	1017.5	1018.4	1019.4	1020.3	1020.5	1020.8
135°	1073.1	1072.8	1072.5	1072.3	1072.7	1073.7	1074.6	1075.6	1076.6	1077.0	1077.5
137.5°	1125.8	1125.9	1126.0	1126.1	1126.6	1127.7	1128.8	1129.8	1130.9	1131.4	1132.0
140°	1160.3	1160.7	1161.3	1161.8	1162.2	1162.7	1163.2	1163.7	1164.2	1164.9	1165.6
142.5°	1191.4	1192.2	1193.1	1194.0	1194.6	1194.9	1195.1	1195.4	1195.7	1196.3	1196.8
145°	1238.3	1239.1	1239.7	1240.5	1240.9	1240.9	1240.9	1240.9	1240.9	1241.1	1241.3
147.5°	1276.4	1277.7	1279.1	1280.4	1281.0	1280.8	1280.5	1280.3	1280.1	1280.3	1280.4
150°	1303.2	1304.1	1305.1	1306.1	1306.5	1306.2	1306.0	1305.7	1305.4	1305.4	1305.4
152.5°	1325.8	1326.5	1327.3	1328.0	1328.2	1327.9	1327.4	1326.9	1326.5	1326.9	1327.3
155°	1357.2	1357.4	1357.6	1357.9	1357.6	1357.0	1356.2	1355.5	1354.7	1355.8	1356.7
157.5°	1383.7	1383.6	1383.5	1383.3	1382.8	1382.0	1381.2	1380.4	1379.5	1380.7	1382.1
160°	1398.9	1398.2	1397.5	1396.8	1396.3	1396.0	1395.7	1395.5	1395.2	1396.8	1398.2
162.5°	1412.8	1411.8	1410.9	1409.9	1409.4	1409.1	1408.9	1408.6	1408.4	1409.9	1411.4
165°	1430.2	1429.0	1427.8	1426.5	1426.0	1426.0	1426.0	1426.0	1426.0	1427.9	1429.8
167.5°	1444.2	1442.9	1441.6	1440.4	1439.6	1439.5	1439.4	1439.3	1439.1	1441.2	1443.4
170°	1451.9	1450.4	1449.0	1447.5	1446.9	1447.1	1447.4	1447.6	1447.8	1449.8	1451.7
172.5°	1457.1	1455.7	1454.2	1452.7	1452.1	1452.4	1452.6	1452.8	1453.1	1455.0	1457.0
175°	1462.8	1461.3	1459.9	1458.4	1457.8	1458.0	1458.3	1458.6	1458.8	1460.9	1463.2
177.5°	1465.6	1464.1	1462.8	1461.4	1460.9	1461.3	1461.7	1462.2	1462.5	1464.1	1465.7
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	933.1	933.7	936.3	938.4	939.0	941.9	942.2
5°	1015.1	1021.3	1033.4	1034.5	1036.3	1045.9	1038.6
7.5°	1111.2	1127.0	1137.6	1146.9	1150.3	1154.4	1153.6
10°	1172.8	1196.3	1208.0	1226.7	1227.5	1232.2	1229.3
12.5°	1234.7	1262.0	1283.4	1286.9	1302.5	1305.0	1309.1
15°	1322.4	1351.4	1381.1	1391.8	1413.3	1418.5	1426.5
17.5°	1404.9	1434.5	1455.3	1482.8	1491.7	1503.5	1495.5
20°	1450.0	1482.3	1508.7	1530.3	1539.5	1546.1	1545.4
22.5°	1477.3	1509.9	1531.3	1547.7	1556.2	1559.1	1558.9
25°	1494.4	1513.2	1519.8	1526.0	1516.5	1513.2	1514.6
27.5°	1446.9	1442.0	1424.8	1402.2	1378.8	1360.1	1350.0
30°	1381.5	1352.8	1326.8	1281.4	1257.8	1244.0	1231.4
32.5°	1288.7	1243.4	1193.4	1151.7	1124.9	1104.3	1101.2
35°	1129.9	1061.7	1000.4	949.4	923.0	900.7	895.5
37.5°	960.6	889.8	834.6	789.7	761.3	745.6	730.8
40°	848.2	787.4	733.1	694.9	673.4	661.9	652.8
42.5°	761.7	706.1	652.1	623.0	603.5	596.5	591.2
45°	642.2	590.4	553.0	531.0	519.6	507.9	502.4
47.5°	546.4	504.4	479.7	461.0	448.8	441.9	438.3
50°	492.1	457.7	435.6	421.4	410.4	404.8	401.9
52.5°	444.0	415.8	397.3	385.9	378.4	374.4	373.2
55°	382.5	360.9	349.1	339.2	333.8	330.1	328.6
57.5°	332.4	315.8	306.3	298.1	296.1	292.9	291.9
60°	299.6	286.8	278.7	273.2	271.4	267.7	268.4
62.5°	270.6	260.0	253.2	250.1	247.6	244.5	245.5
65°	228.8	221.1	217.4	214.5	211.6	209.8	211.2
67.5°	192.0	186.7	181.7	180.0	178.6	178.3	176.7
70°	168.0	163.5	159.2	158.1	158.1	156.6	156.2
72.5°	144.8	141.6	138.6	137.8	136.7	137.2	135.7
75°	111.9	109.2	108.2	107.1	106.7	106.7	105.7
77.5°	82.7	80.8	79.0	79.0	77.7	77.2	77.0
80°	62.7	62.0	60.5	60.5	59.8	60.1	59.4
82.5°	47.1	46.1	45.8	45.2	44.2	44.3	43.5
85°	25.3	24.2	23.8	22.7	22.0	22.7	22.0
87.5°	14.5	14.5	14.4	13.9	13.7	13.9	13.0
90°	28.5	30.0	30.9	31.4	31.9	32.3	32.9
92.5°	27.6	29.0	29.9	30.0	30.1	30.2	30.3
95°	28.5	30.0	30.8	31.0	31.3	31.5	31.8
97.5°	29.3	29.5	29.7	30.0	30.2	30.4	30.6
100°	35.8	31.7	29.7	30.0	30.2	30.4	30.6
102.5°	98.3	53.6	31.4	31.4	31.5	31.5	31.6
105°	348.3	350.4	347.1	338.4	329.6	320.9	312.2
107.5°	429.2	430.3	431.3	432.3	433.2	434.0	435.0
110°	484.5	484.9	485.5	486.3	487.0	487.8	488.4



TEST NUMBER: P332571-830

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	537.9	537.8	538.2	539.1	540.1	541.0	541.9
115°	619.2	619.6	619.9	619.9	619.9	619.9	619.9
117.5°	699.7	699.6	699.6	699.5	699.4	699.3	699.2
120°	750.5	751.0	751.0	750.5	750.1	749.6	749.1
122.5°	799.9	800.2	800.1	799.7	799.2	798.6	798.1
125°	869.6	870.3	870.8	871.0	871.3	871.6	871.8
127.5°	937.5	937.4	937.2	937.0	936.8	936.6	936.4
130°	979.9	980.1	980.1	980.1	980.1	980.1	980.1
132.5°	1021.1	1021.2	1021.2	1021.1	1020.9	1020.7	1020.5
135°	1078.0	1078.6	1079.0	1079.5	1080.0	1080.4	1080.9
137.5°	1132.5	1133.0	1133.2	1133.1	1132.9	1132.7	1132.7
140°	1166.4	1167.2	1167.6	1167.8	1168.1	1168.3	1168.6
142.5°	1197.3	1197.9	1198.2	1198.3	1198.3	1198.3	1198.3
145°	1241.6	1241.8	1242.2	1242.6	1243.1	1243.7	1244.2
147.5°	1280.6	1280.8	1281.0	1281.3	1281.6	1281.8	1282.0
150°	1305.4	1305.4	1305.6	1305.8	1306.1	1306.4	1306.6
152.5°	1327.7	1328.0	1328.1	1328.0	1327.9	1327.8	1327.6
155°	1357.6	1358.7	1358.8	1358.0	1357.3	1356.6	1355.8
157.5°	1383.3	1384.6	1384.6	1383.3	1382.1	1380.7	1379.5
160°	1399.7	1401.1	1401.1	1399.7	1398.2	1396.8	1395.2
162.5°	1412.8	1414.3	1414.2	1412.5	1410.9	1409.2	1407.5
165°	1431.8	1433.7	1433.6	1431.4	1429.2	1427.0	1424.8
167.5°	1445.5	1447.7	1447.5	1445.1	1442.7	1440.2	1437.8
170°	1453.7	1455.7	1455.4	1452.9	1450.5	1448.1	1445.7
172.5°	1459.0	1460.8	1460.6	1457.9	1455.3	1452.6	1450.0
175°	1465.4	1467.5	1467.2	1464.2	1461.3	1458.4	1455.5
177.5°	1467.2	1468.8	1468.4	1466.0	1463.7	1461.3	1459.1
180°	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2	1464.2

(END OF REPORT)