

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: P333545-830

Luminaire Tested: **S125RDIP-S610D1205U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333545-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S610D1205U830-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6190.1 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

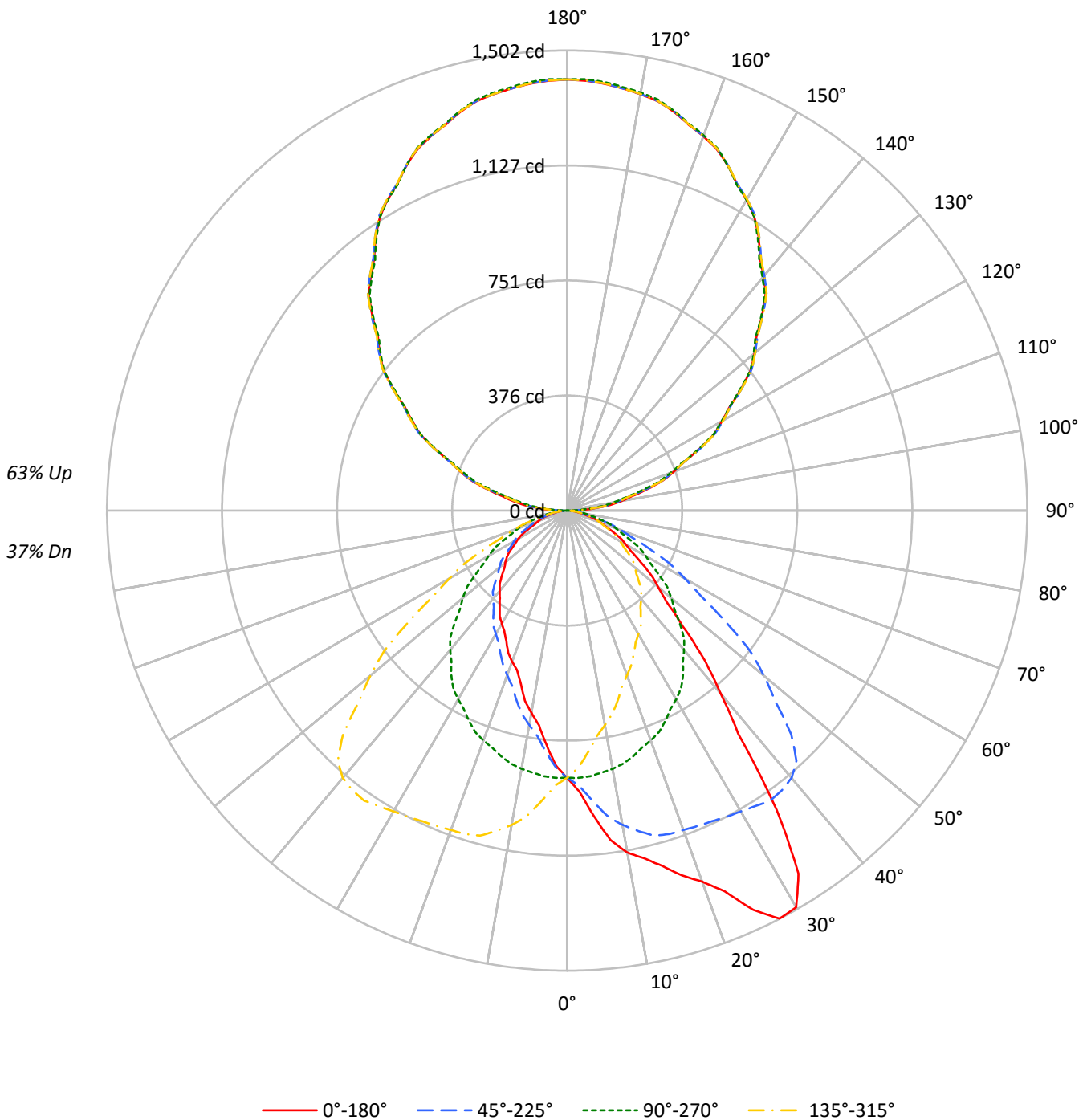
Input Watts (W): 49.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37
1	95	91	87	84	86	83	79	77	67	65	63	52	51	50	39	38	38	31
2	87	80	74	69	78	73	68	63	59	55	52	46	44	42	35	33	32	27
3	79	70	63	58	72	64	58	53	52	48	44	41	38	36	31	29	28	23
4	73	62	55	49	66	57	50	45	46	42	38	37	33	31	28	26	24	20
5	67	55	48	42	60	51	44	39	42	37	33	33	30	27	25	23	21	17
6	61	50	42	36	55	45	39	34	37	32	29	30	26	23	23	20	18	15
7	57	45	37	32	51	41	34	30	34	29	25	27	23	21	21	18	16	14
8	53	41	33	28	48	37	31	26	31	26	22	25	21	18	19	17	15	12
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	18	15	13	11
10	46	34	27	22	41	31	25	21	26	21	18	21	17	15	16	14	12	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5633	5633	5633	5633
5°	6481	5641	4982	5641
10°	7434	5612	4395	5612
15°	8029	5554	3907	5554
20°	8854	5487	3608	5487
25°	10246	5399	3348	5399
30°	11150	5305	3177	5305
35°	9406	5196	3020	5196
40°	6568	5001	2886	5001
45°	4873	4738	2754	4738
50°	3885	4464	2640	4464
55°	3297	4124	2540	4124
60°	2849	3821	2378	3821
65°	2540	3492	2046	3492
70°	2232	3199	1866	3199
75°	1931	2770	1752	2770
80°	1465	2332	1465	2332
85°	1223	1830	1386	1830



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.6	1.4
10°-20°	245.1	4.0
20°-30°	388.6	6.3
30°-40°	468.7	7.6
40°-50°	418.5	6.8
50°-60°	321.0	5.2
60°-70°	208.6	3.4
70°-80°	101.4	1.6
80°-90°	27.3	0.4
90°-100°	94.3	1.5
100°-110°	278.4	4.5
110°-120°	471.5	7.6
120°-130°	620.5	10.0
130°-140°	695.3	11.2
140°-150°	681.4	11.0
150°-160°	572.4	9.2
160°-170°	380.5	6.1
170°-180°	133.1	2.2
0°-30°	717.4	11.6
0°-40°	1186.0	19.2
0°-60°	1925.5	31.1
0°-90°	2262.8	36.6
90°-120°	844.1	13.6
90°-150°	2841.4	45.9
90°-180°	3927.0	63.4
0°-180°	6190.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	872	872	872	872	872	
5°	1000	870	768	870	1000	100
15°	1201	831	584	831	1201	344
25°	1438	758	470	758	1438	660
35°	1193	659	383	659	1193	721
45°	534	519	302	519	534	426
55°	293	366	226	366	293	266
65°	166	228	134	228	166	165
75°	77	111	70	111	77	82
85°	16	25	19	25	16	20
90°	26	1	26	1	26	16
95°	94	71	94	71	94	96
105°	272	250	272	250	272	288
115°	476	472	476	472	476	471
125°	693	689	693	689	693	619
135°	899	896	899	896	899	694
145°	1090	1085	1090	1085	1090	680
155°	1242	1242	1242	1242	1242	572
165°	1347	1350	1347	1350	1347	380
175°	1399	1404	1399	1404	1399	133
180°	1407	1407	1407	1407	1407	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	917.5	916.9	918.0	914.8	915.2	910.3	910.3	906.5	901.7	898.0	896.3
5°	999.7	1000.4	998.9	993.5	990.0	984.6	978.5	967.8	958.8	950.3	943.5
7.5°	1084.3	1084.8	1080.1	1078.5	1069.4	1062.8	1049.3	1034.7	1021.7	1005.2	992.7
10°	1133.6	1133.2	1128.2	1124.3	1116.3	1106.4	1093.1	1075.9	1059.8	1041.9	1024.7
12.5°	1162.2	1161.3	1159.7	1154.9	1147.6	1138.7	1127.5	1110.6	1090.7	1071.1	1051.1
15°	1200.9	1198.3	1193.7	1187.6	1177.2	1166.9	1154.3	1139.3	1120.3	1098.2	1079.5
17.5°	1248.7	1248.8	1241.6	1233.2	1219.1	1200.7	1181.4	1157.2	1131.3	1106.9	1087.1
20°	1288.3	1287.1	1280.0	1263.6	1247.5	1224.6	1202.3	1172.6	1141.1	1109.2	1084.5
22.5°	1344.9	1342.2	1334.7	1313.1	1288.1	1258.6	1224.6	1188.4	1150.3	1114.1	1081.7
25°	1437.9	1435.8	1421.1	1396.0	1360.9	1315.4	1271.0	1221.3	1166.5	1118.9	1079.5
27.5°	1501.5	1499.1	1488.3	1467.4	1435.0	1387.2	1327.1	1260.7	1192.2	1126.7	1069.9
30°	1495.2	1500.5	1499.1	1489.5	1465.1	1422.1	1366.7	1291.8	1210.5	1133.6	1065.9
32.5°	1405.2	1410.0	1422.7	1441.6	1443.0	1425.9	1384.4	1315.3	1231.1	1143.6	1062.7
35°	1193.0	1199.5	1223.8	1262.1	1312.2	1354.2	1362.7	1325.5	1249.9	1155.7	1058.0
37.5°	917.2	952.4	972.9	1013.2	1088.9	1166.0	1240.1	1267.4	1235.3	1150.8	1050.4
40°	779.1	787.7	824.3	869.7	933.4	1013.6	1119.3	1195.5	1198.0	1139.3	1038.3
42.5°	666.8	677.7	702.8	739.0	793.6	873.8	982.9	1083.5	1130.1	1107.8	1022.6
45°	533.5	541.7	560.0	587.9	629.8	696.1	789.9	906.3	998.6	1034.7	980.3
47.5°	438.3	442.7	458.5	479.8	510.9	559.1	631.7	732.7	843.6	921.2	913.6
50°	386.7	391.7	403.9	420.0	446.1	486.9	545.0	629.1	743.3	838.2	857.1
52.5°	346.6	350.7	358.4	373.6	395.1	426.5	473.3	549.5	652.2	753.1	797.0
55°	292.8	295.8	301.8	310.4	327.6	350.2	390.6	443.3	526.3	628.0	692.5
57.5°	248.6	250.1	253.9	261.8	273.7	290.2	319.4	364.1	423.7	515.2	586.4
60°	220.6	222.0	227.0	232.3	241.7	256.7	279.7	310.8	368.1	443.7	515.6
62.5°	198.2	199.1	201.2	206.6	214.7	226.4	244.4	269.8	315.4	381.7	449.7
65°	166.2	166.5	167.2	171.5	176.5	185.1	196.9	214.8	249.2	299.4	359.5
67.5°	135.3	135.8	138.4	139.9	145.1	149.6	156.6	170.2	194.4	228.2	274.9
70°	118.2	117.8	120.3	122.1	123.9	129.2	133.9	145.0	160.0	185.9	224.9
72.5°	102.1	101.2	102.3	102.9	105.3	109.0	113.6	120.4	132.0	149.8	179.6
75°	77.4	77.7	77.7	78.4	80.2	81.6	83.0	86.6	93.1	104.9	121.0
77.5°	54.3	53.7	55.2	55.4	56.5	58.1	59.3	60.7	63.3	68.2	76.5
80°	39.4	39.4	39.8	40.8	40.4	41.2	43.0	44.4	47.6	50.5	53.3
82.5°	30.3	30.0	30.3	30.5	30.4	31.1	31.8	32.0	33.3	34.7	36.8
85°	16.5	16.5	16.9	16.9	17.2	17.2	17.5	17.5	17.5	17.9	18.3
87.5°	11.6	11.1	10.7	10.6	10.7	11.0	10.6	10.0	9.8	9.5	9.4
90°	26.3	25.5	24.8	24.1	23.4	22.4	21.2	20.0	18.8	17.5	15.8
92.5°	51.7	51.2	50.6	50.0	49.6	48.4	46.8	45.2	43.6	42.0	40.0
95°	94.2	93.7	93.2	92.7	92.3	91.1	89.4	87.8	86.1	84.4	81.9
97.5°	142.8	142.5	142.2	141.9	141.7	140.7	139.1	137.5	135.9	134.3	130.9
100°	179.6	179.2	178.6	178.1	177.7	176.3	174.2	171.9	169.8	167.6	164.4
102.5°	216.4	215.7	215.1	214.4	213.7	212.2	209.8	207.4	205.0	202.6	201.0
105°	271.6	270.9	270.1	269.5	268.7	267.6	266.2	264.7	263.3	261.7	260.3
107.5°	328.1	328.2	328.3	328.3	328.4	328.0	327.3	326.5	325.8	325.1	324.0
110°	370.2	370.4	370.7	370.9	371.2	370.9	370.2	369.5	368.7	368.0	367.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	411.4	411.8	412.3	412.7	413.1	413.2	412.8	412.6	412.2	411.8	410.9
115°	476.5	476.6	476.9	477.2	477.4	477.7	477.9	478.2	478.4	478.6	478.2
117.5°	540.0	540.9	542.0	542.9	543.8	544.2	544.0	543.8	543.7	543.5	543.0
120°	583.8	584.8	585.7	586.7	587.7	588.1	588.1	588.1	588.1	588.1	588.0
122.5°	627.6	628.4	629.1	629.9	630.7	631.2	631.4	631.6	631.8	632.0	631.3
125°	693.3	693.5	693.8	694.1	694.3	694.7	695.1	695.6	696.1	696.6	696.4
127.5°	756.4	756.9	757.3	757.9	758.4	758.7	758.9	759.2	759.4	759.7	759.4
130°	798.4	798.9	799.5	799.9	800.4	800.8	801.0	801.3	801.5	801.7	801.3
132.5°	837.9	838.6	839.2	839.9	840.7	841.0	841.3	841.6	841.8	842.1	842.2
135°	899.2	900.2	901.2	902.1	903.1	903.6	903.6	903.6	903.6	903.6	903.3
137.5°	959.2	960.5	961.7	962.9	964.1	964.6	964.3	964.0	963.7	963.4	962.9
140°	997.8	999.0	1000.2	1001.5	1002.7	1003.1	1002.6	1002.0	1001.5	1001.1	1000.3
142.5°	1034.6	1035.9	1037.1	1038.2	1039.4	1039.9	1039.6	1039.3	1039.1	1038.8	1037.8
145°	1089.8	1090.5	1091.3	1092.0	1092.7	1093.1	1093.1	1093.1	1093.1	1093.1	1092.3
147.5°	1136.9	1138.6	1140.2	1141.9	1143.5	1144.1	1143.5	1142.9	1142.3	1141.7	1141.1
150°	1172.0	1172.4	1172.9	1173.4	1173.9	1174.1	1174.1	1174.1	1174.1	1174.1	1173.2
152.5°	1200.9	1201.7	1202.6	1203.5	1204.4	1204.5	1203.9	1203.3	1202.8	1202.2	1201.8
155°	1242.1	1243.3	1244.4	1245.7	1246.9	1247.1	1246.0	1245.1	1244.2	1243.1	1242.9
157.5°	1276.5	1278.1	1279.7	1281.3	1282.9	1283.2	1282.2	1281.2	1280.3	1279.3	1279.0
160°	1300.1	1301.3	1302.5	1303.7	1305.0	1305.0	1304.1	1303.2	1302.1	1301.2	1301.0
162.5°	1320.2	1321.6	1323.0	1324.5	1325.9	1326.1	1324.8	1323.7	1322.5	1321.4	1321.3
165°	1347.2	1348.7	1350.1	1351.6	1353.0	1353.3	1352.3	1351.3	1350.4	1349.3	1349.2
167.5°	1368.7	1370.2	1371.7	1373.2	1374.7	1374.7	1373.3	1371.8	1370.4	1368.9	1368.9
170°	1380.1	1381.8	1383.5	1385.2	1386.9	1387.0	1385.5	1384.0	1382.6	1381.1	1381.1
172.5°	1389.7	1391.2	1392.7	1394.2	1395.7	1395.7	1394.3	1392.8	1391.4	1389.9	1389.9
175°	1398.6	1400.3	1402.1	1403.8	1405.5	1405.6	1404.1	1402.7	1401.2	1399.8	1399.8
177.5°	1403.9	1405.3	1406.7	1408.1	1409.4	1409.5	1408.3	1407.1	1406.0	1404.8	1405.0
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	896.3	894.3	890.5	887.1	882.8	879.1	876.5	873.4	869.3	864.5	860.4
5°	935.9	928.0	917.7	908.7	897.3	888.3	879.0	870.1	861.1	849.6	839.6
7.5°	979.9	963.7	947.8	927.9	909.8	893.7	878.3	862.6	847.3	831.0	815.3
10°	1006.8	987.1	965.3	940.2	917.3	895.5	875.4	855.7	835.0	816.7	797.0
12.5°	1032.0	1006.6	981.7	950.0	922.5	895.8	870.2	845.7	823.5	799.8	778.6
15°	1054.8	1029.7	1001.8	963.2	924.8	892.6	862.5	830.7	803.1	776.6	753.0
17.5°	1063.6	1037.4	1004.8	967.7	925.9	885.3	846.6	811.6	779.2	748.3	721.7
20°	1060.2	1034.7	1001.5	966.0	921.2	879.0	837.1	798.4	762.2	729.7	701.4
22.5°	1051.9	1025.6	993.4	956.0	913.5	868.6	824.0	782.7	744.8	711.1	680.2
25°	1039.4	1003.6	970.6	934.2	893.7	849.3	803.1	757.6	717.2	682.8	649.1
27.5°	1026.4	981.8	939.9	903.5	860.8	821.2	776.7	730.1	687.5	652.5	618.0
30°	1014.7	964.6	918.4	877.2	836.8	799.2	756.9	711.4	667.8	631.6	596.5
32.5°	1000.1	946.8	896.1	848.6	809.5	772.2	734.0	690.5	648.0	610.7	575.0
35°	981.8	913.7	858.6	808.1	764.8	728.6	694.3	659.1	616.5	577.9	543.2
37.5°	957.7	880.5	816.7	761.7	716.0	679.7	652.6	620.5	581.6	544.6	512.4
40°	943.1	856.5	786.6	732.2	684.2	645.9	620.5	593.2	557.8	523.1	490.9
42.5°	923.6	834.4	756.3	699.6	651.3	614.4	588.7	565.0	535.2	502.5	468.0
45°	885.4	791.6	709.6	648.8	600.1	563.9	539.9	518.8	496.2	466.2	436.1
47.5°	835.8	747.1	661.2	594.7	547.1	513.5	490.2	473.5	457.4	431.9	402.7
50°	796.0	710.4	626.6	562.1	511.3	479.4	457.6	444.3	429.6	406.4	382.0
52.5°	748.9	672.6	590.5	524.6	476.6	446.8	425.7	412.6	400.4	381.4	358.3
55°	675.0	607.9	532.7	473.0	429.0	398.9	378.8	366.3	359.1	343.0	324.7
57.5°	589.5	541.5	475.2	417.5	378.6	348.8	334.2	323.6	315.5	304.1	291.2
60°	529.9	496.2	436.8	382.0	346.2	317.9	304.7	295.8	288.2	278.5	268.5
62.5°	469.5	445.0	393.3	346.2	313.3	289.5	277.2	269.1	260.4	253.9	244.2
65°	388.5	366.6	330.8	294.0	263.5	244.6	235.6	228.5	223.1	215.9	209.1
67.5°	302.2	293.3	268.6	243.2	221.3	204.4	196.7	191.7	185.2	181.0	176.3
70°	249.2	244.9	227.3	210.6	190.1	178.7	171.5	169.4	161.5	157.2	153.9
72.5°	202.3	200.2	190.1	178.4	164.1	154.0	147.4	145.0	140.0	136.6	134.5
75°	138.6	139.3	137.5	130.0	124.6	118.2	112.4	111.0	107.4	104.5	102.7
77.5°	87.7	91.3	91.4	91.0	89.0	85.0	82.7	81.5	78.0	77.0	76.5
80°	60.1	64.1	67.7	67.3	66.6	65.5	63.7	62.7	60.9	59.8	59.1
82.5°	40.1	43.7	46.8	48.7	48.5	47.5	46.3	45.7	45.4	44.6	44.5
85°	18.9	19.7	20.7	23.3	25.1	25.4	25.1	24.7	23.7	24.0	24.3
87.5°	9.4	9.0	9.0	8.7	8.0	9.0	9.5	9.4	9.2	9.0	8.9
90°	14.1	12.4	10.7	8.9	7.0	5.0	3.0	1.1	3.0	5.0	7.0
92.5°	37.9	35.8	33.6	32.0	30.6	29.2	27.9	26.5	27.9	29.2	30.6
95°	79.5	77.0	74.6	73.1	72.7	72.2	71.6	71.2	71.6	72.2	72.7
97.5°	127.5	124.2	120.8	119.0	118.9	118.7	118.5	118.3	118.5	118.7	118.9
100°	161.3	158.1	155.0	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4
102.5°	199.4	197.8	196.2	194.9	194.0	192.9	192.0	191.1	192.0	192.9	194.0
105°	258.8	257.4	255.9	254.6	253.4	252.1	250.9	249.7	250.9	252.1	253.4
107.5°	322.8	321.7	320.6	319.4	318.2	317.0	315.8	314.5	315.8	317.0	318.2
110°	366.6	365.8	365.0	364.1	362.9	361.7	360.4	359.3	360.4	361.7	362.9





TEST NUMBER: P333545-830

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	410.0	409.1	408.1	407.4	406.7	406.0	405.5	404.8	405.5	406.0	406.7
115°	477.7	477.2	476.6	476.0	474.9	474.0	473.1	472.0	473.1	474.0	474.9
117.5°	542.6	542.2	541.7	541.3	540.8	540.5	540.0	539.5	540.0	540.5	540.8
120°	587.7	587.4	587.2	586.4	585.2	584.0	582.8	581.5	582.8	584.0	585.2
122.5°	630.7	630.1	629.4	628.9	628.5	628.0	627.6	627.2	627.6	628.0	628.5
125°	696.1	695.9	695.6	694.7	693.3	691.8	690.4	688.9	690.4	691.8	693.3
127.5°	759.1	758.8	758.6	758.0	757.1	756.3	755.4	754.7	755.4	756.3	757.1
130°	800.8	800.3	799.8	798.9	797.8	796.5	795.3	794.1	795.3	796.5	797.8
132.5°	842.3	842.4	842.4	841.5	839.5	837.5	835.5	833.5	835.5	837.5	839.5
135°	903.1	902.9	902.7	901.8	900.3	898.9	897.4	896.0	897.4	898.9	900.3
137.5°	962.3	961.8	961.3	960.3	958.8	957.4	956.0	954.6	956.0	957.4	958.8
140°	999.7	998.9	998.2	997.2	996.0	994.8	993.5	992.3	993.5	994.8	996.0
142.5°	1036.9	1035.9	1035.1	1034.1	1033.0	1032.1	1031.0	1030.0	1031.0	1032.1	1033.0
145°	1091.7	1090.9	1090.1	1089.3	1088.4	1087.4	1086.4	1085.4	1086.4	1087.4	1088.4
147.5°	1140.6	1140.0	1139.3	1138.8	1138.3	1137.7	1137.2	1136.7	1137.2	1137.7	1138.3
150°	1172.1	1171.2	1170.3	1169.9	1170.2	1170.4	1170.6	1170.8	1170.6	1170.4	1170.2
152.5°	1201.4	1201.0	1200.6	1200.2	1200.0	1199.6	1199.2	1198.9	1199.2	1199.6	1200.0
155°	1242.6	1242.5	1242.2	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1
157.5°	1278.8	1278.6	1278.3	1278.5	1279.0	1279.5	1280.1	1280.6	1280.1	1279.5	1279.0
160°	1300.7	1300.4	1300.2	1300.4	1301.2	1301.9	1302.7	1303.3	1302.7	1301.9	1301.2
162.5°	1321.3	1321.2	1321.2	1321.4	1321.9	1322.5	1323.0	1323.5	1323.0	1322.5	1321.9
165°	1348.9	1348.7	1348.4	1348.5	1349.1	1349.5	1350.0	1350.5	1350.0	1349.5	1349.1
167.5°	1368.9	1368.9	1368.9	1369.3	1370.4	1371.3	1372.2	1373.3	1372.2	1371.3	1370.4
170°	1381.1	1381.1	1381.1	1381.7	1382.6	1383.6	1384.6	1385.5	1384.6	1383.6	1382.6
172.5°	1389.9	1389.9	1389.9	1390.4	1391.4	1392.3	1393.4	1394.3	1393.4	1392.3	1391.4
175°	1399.8	1399.8	1399.8	1400.2	1401.2	1402.2	1403.2	1404.1	1403.2	1402.2	1401.2
177.5°	1405.2	1405.4	1405.6	1406.1	1406.8	1407.6	1408.4	1409.2	1408.4	1407.6	1406.8
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



TEST NUMBER: P333545-830

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	857.6	853.6	850.7	845.0	840.9	839.2	836.1	835.3	838.4	836.1	835.8
5°	832.1	821.7	813.5	805.2	796.3	790.6	781.9	780.5	778.4	775.1	774.5
7.5°	801.5	788.0	777.4	763.7	752.0	742.4	731.7	726.6	723.8	719.6	714.1
10°	780.9	764.8	750.5	736.9	722.2	710.4	699.6	691.4	686.0	681.0	678.8
12.5°	760.5	744.1	725.9	709.4	693.0	679.7	667.8	662.4	656.5	650.6	645.6
15°	729.0	707.1	687.1	668.1	654.1	639.8	628.4	620.5	611.5	609.1	599.4
17.5°	695.5	674.0	650.5	630.6	614.4	598.6	586.1	577.1	570.3	561.1	556.7
20°	674.6	649.1	626.2	607.9	590.0	571.5	558.6	551.0	544.6	537.1	533.5
22.5°	652.2	627.4	603.9	582.5	564.3	545.9	536.8	529.0	521.7	514.7	510.0
25°	619.4	594.4	569.7	547.4	528.5	515.2	504.4	495.5	491.6	484.7	479.8
27.5°	587.0	560.3	534.7	512.6	497.7	484.6	475.8	468.7	461.6	455.6	451.3
30°	566.1	538.9	511.0	493.4	477.6	465.1	455.4	448.7	443.3	437.9	434.7
32.5°	545.2	517.1	492.3	473.3	458.5	447.6	437.7	431.1	425.5	419.5	415.8
35°	511.6	483.0	463.0	444.3	429.6	419.6	412.8	403.5	398.9	394.5	390.6
37.5°	480.5	453.8	432.2	415.8	403.1	393.1	384.4	379.3	373.6	369.8	366.5
40°	457.6	433.2	413.6	396.3	387.0	376.0	367.7	361.3	356.9	351.9	348.4
42.5°	437.0	414.3	395.2	379.8	368.2	358.7	350.8	344.4	338.9	335.4	332.3
45°	407.8	385.2	366.6	352.3	341.6	332.6	324.4	321.1	314.0	309.7	308.3
47.5°	377.7	357.5	339.5	326.3	315.3	306.8	299.1	292.6	288.6	284.4	282.1
50°	357.3	338.0	321.1	308.3	297.6	288.2	281.1	276.7	271.4	267.5	264.6
52.5°	337.0	319.1	302.3	289.9	280.6	271.4	263.3	259.0	253.9	251.4	249.4
55°	307.9	289.0	274.7	262.4	252.8	244.2	236.7	232.3	229.1	226.7	225.9
57.5°	274.9	260.0	246.7	235.6	225.6	217.5	210.9	206.9	204.1	203.7	201.5
60°	253.4	239.9	227.7	215.9	207.3	199.8	194.1	189.5	186.5	186.2	185.5
62.5°	232.1	219.0	207.6	197.3	189.5	182.3	176.9	171.6	169.9	168.1	166.5
65°	200.1	188.3	179.0	170.8	162.6	156.5	151.1	147.9	143.9	141.8	137.9
67.5°	168.8	159.7	150.7	143.8	137.3	131.6	127.1	122.3	119.7	117.9	115.1
70°	148.3	141.1	132.1	124.6	119.6	114.9	111.3	105.9	104.2	102.7	101.3
72.5°	128.8	122.4	114.9	108.9	103.9	99.4	95.3	92.8	91.0	89.5	88.7
75°	101.3	95.2	88.8	84.5	81.0	77.4	75.2	73.4	72.7	72.3	70.9
77.5°	74.4	71.2	66.0	62.6	60.2	58.8	56.8	55.9	55.9	54.3	53.8
80°	56.9	55.1	50.8	49.4	47.6	46.2	45.1	43.4	41.6	40.8	39.8
82.5°	42.3	40.5	38.8	36.5	35.1	34.1	33.1	32.4	32.6	31.7	31.1
85°	22.5	20.7	20.1	19.7	18.9	19.7	19.3	18.9	18.7	18.3	18.7
87.5°	9.0	9.3	9.3	10.3	9.7	10.4	10.7	10.6	10.8	11.0	10.9
90°	8.9	10.7	12.4	14.1	15.8	17.5	18.8	20.0	21.2	22.4	23.4
92.5°	32.0	33.6	35.8	37.9	40.0	42.0	43.6	45.2	46.8	48.4	49.6
95°	73.1	74.6	77.0	79.5	81.9	84.4	86.1	87.8	89.4	91.1	92.3
97.5°	119.0	120.8	124.2	127.5	130.9	134.3	135.9	137.5	139.1	140.7	141.7
100°	153.4	155.0	158.1	161.3	164.4	167.6	169.8	171.9	174.2	176.3	177.7
102.5°	194.9	196.2	197.8	199.4	201.0	202.6	205.0	207.4	209.8	212.2	213.7
105°	254.6	255.9	257.4	258.8	260.3	261.7	263.3	264.7	266.2	267.6	268.7
107.5°	319.4	320.6	321.7	322.8	324.0	325.1	325.8	326.5	327.3	328.0	328.4
110°	364.1	365.0	365.8	366.6	367.3	368.0	368.7	369.5	370.2	370.9	371.2



TEST NUMBER: P333545-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	407.4	408.1	409.1	410.0	410.9	411.8	412.2	412.6	412.8	413.2	413.1
115°	476.0	476.6	477.2	477.7	478.2	478.6	478.4	478.2	477.9	477.7	477.4
117.5°	541.3	541.7	542.2	542.6	543.0	543.5	543.7	543.8	544.0	544.2	543.8
120°	586.4	587.2	587.4	587.7	588.0	588.1	588.1	588.1	588.1	588.1	587.7
122.5°	628.9	629.4	630.1	630.7	631.3	632.0	631.8	631.6	631.4	631.2	630.7
125°	694.7	695.6	695.9	696.1	696.4	696.6	696.1	695.6	695.1	694.7	694.3
127.5°	758.0	758.6	758.8	759.1	759.4	759.7	759.4	759.2	758.9	758.7	758.4
130°	798.9	799.8	800.3	800.8	801.3	801.7	801.5	801.3	801.0	800.8	800.4
132.5°	841.5	842.4	842.4	842.3	842.2	842.1	841.8	841.6	841.3	841.0	840.7
135°	901.8	902.7	902.9	903.1	903.3	903.6	903.6	903.6	903.6	903.6	903.1
137.5°	960.3	961.3	961.8	962.3	962.9	963.4	963.7	964.0	964.3	964.6	964.1
140°	997.2	998.2	998.9	999.7	1000.3	1001.1	1001.5	1002.0	1002.6	1003.1	1002.7
142.5°	1034.1	1035.1	1035.9	1036.9	1037.8	1038.8	1039.1	1039.3	1039.6	1039.9	1039.4
145°	1089.3	1090.1	1090.9	1091.7	1092.3	1093.1	1093.1	1093.1	1093.1	1093.1	1092.7
147.5°	1138.8	1139.3	1140.0	1140.6	1141.1	1141.7	1142.3	1142.9	1143.5	1144.1	1143.5
150°	1169.9	1170.3	1171.2	1172.1	1173.2	1174.1	1174.1	1174.1	1174.1	1174.1	1173.9
152.5°	1200.2	1200.6	1201.0	1201.4	1201.8	1202.2	1202.8	1203.3	1203.9	1204.5	1204.4
155°	1242.1	1242.2	1242.5	1242.6	1242.9	1243.1	1244.2	1245.1	1246.0	1247.1	1246.9
157.5°	1278.5	1278.3	1278.6	1278.8	1279.0	1279.3	1280.3	1281.2	1282.2	1283.2	1282.9
160°	1300.4	1300.2	1300.4	1300.7	1301.0	1301.2	1302.1	1303.2	1304.1	1305.0	1305.0
162.5°	1321.4	1321.2	1321.2	1321.3	1321.3	1321.4	1322.5	1323.7	1324.8	1326.1	1325.9
165°	1348.5	1348.4	1348.7	1348.9	1349.2	1349.3	1350.4	1351.3	1352.3	1353.3	1353.0
167.5°	1369.3	1368.9	1368.9	1368.9	1368.9	1368.9	1370.4	1371.8	1373.3	1374.7	1374.7
170°	1381.7	1381.1	1381.1	1381.1	1381.1	1381.1	1382.6	1384.0	1385.5	1387.0	1386.9
172.5°	1390.4	1389.9	1389.9	1389.9	1389.9	1389.9	1391.4	1392.8	1394.3	1395.7	1395.7
175°	1400.2	1399.8	1399.8	1399.8	1399.8	1399.8	1401.2	1402.7	1404.1	1405.6	1405.5
177.5°	1406.1	1405.6	1405.4	1405.2	1405.0	1404.8	1406.0	1407.1	1408.3	1409.5	1409.4
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



TEST NUMBER: P333545-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	835.6	832.4	831.5	832.6	831.5	832.4	835.6	835.8	836.1	838.4	835.3
5°	770.9	767.3	769.1	768.4	769.1	767.3	770.9	774.5	775.1	778.4	780.5
7.5°	714.0	709.5	704.8	706.3	704.8	709.5	714.0	714.1	719.6	723.8	726.6
10°	674.2	670.6	668.5	670.2	668.5	670.6	674.2	678.8	681.0	686.0	691.4
12.5°	640.6	638.6	636.7	635.9	636.7	638.6	640.6	645.6	650.6	656.5	662.4
15°	595.0	590.8	589.0	584.4	589.0	590.8	595.0	599.4	609.1	611.5	620.5
17.5°	553.0	551.6	547.0	545.0	547.0	551.6	553.0	556.7	561.1	570.3	577.1
20°	528.1	526.7	522.1	524.9	522.1	526.7	528.1	533.5	537.1	544.6	551.0
22.5°	507.5	504.4	502.8	502.0	502.8	504.4	507.5	510.0	514.7	521.7	529.0
25°	478.3	473.7	471.9	469.8	471.9	473.7	478.3	479.8	484.7	491.6	495.5
27.5°	449.3	446.8	444.4	443.8	444.4	446.8	449.3	451.3	455.6	461.6	468.7
30°	430.4	427.8	426.0	426.0	426.0	427.8	430.4	434.7	437.9	443.3	448.7
32.5°	413.5	411.5	409.7	409.4	409.7	411.5	413.5	415.8	419.5	425.5	431.1
35°	388.8	386.0	385.2	383.1	385.2	386.0	388.8	390.6	394.5	398.9	403.5
37.5°	363.3	360.9	360.8	360.6	360.8	360.9	363.3	366.5	369.8	373.6	379.3
40°	346.9	345.2	344.8	342.3	344.8	345.2	346.9	348.4	351.9	356.9	361.3
42.5°	329.5	328.6	327.3	326.2	327.3	328.6	329.5	332.3	335.4	338.9	344.4
45°	305.8	303.3	303.3	301.5	303.3	303.3	305.8	308.3	309.7	314.0	321.1
47.5°	281.3	279.4	279.6	277.7	279.6	279.4	281.3	282.1	284.4	288.6	292.6
50°	264.9	263.9	263.5	262.8	263.5	263.9	264.9	264.6	267.5	271.4	276.7
52.5°	248.6	248.2	249.5	247.9	249.5	248.2	248.6	249.4	251.4	253.9	259.0
55°	226.7	225.6	227.7	225.6	227.7	225.6	226.7	225.9	226.7	229.1	232.3
57.5°	201.3	200.4	202.3	201.2	202.3	200.4	201.3	201.5	203.7	204.1	206.9
60°	184.7	182.6	183.7	184.1	183.7	182.6	184.7	185.5	186.2	186.5	189.5
62.5°	164.9	163.7	164.5	162.9	164.5	163.7	164.9	166.5	168.1	169.9	171.6
65°	137.1	136.1	134.6	133.9	134.6	136.1	137.1	137.9	141.8	143.9	147.9
67.5°	115.2	112.6	112.5	113.1	112.5	112.6	115.2	115.1	117.9	119.7	122.3
70°	99.2	99.2	98.8	98.8	98.8	99.2	99.2	101.3	102.7	104.2	105.9
72.5°	88.0	87.8	87.1	86.8	87.1	87.8	88.0	88.7	89.5	91.0	92.8
75°	70.9	71.3	70.5	70.2	70.5	71.3	70.9	70.9	72.3	72.7	73.4
77.5°	52.3	50.8	51.7	50.8	51.7	50.8	52.3	53.8	54.3	55.9	55.9
80°	39.8	39.4	40.4	39.4	40.4	39.4	39.8	39.8	40.8	41.6	43.4
82.5°	31.5	31.1	31.6	30.8	31.6	31.1	31.5	31.1	31.7	32.6	32.4
85°	18.9	18.7	18.3	18.7	18.3	18.7	18.9	18.7	18.3	18.7	18.9
87.5°	11.4	11.3	11.4	11.6	11.4	11.3	11.4	10.9	11.0	10.8	10.6
90°	24.1	24.8	25.5	26.3	25.5	24.8	24.1	23.4	22.4	21.2	20.0
92.5°	50.0	50.6	51.2	51.7	51.2	50.6	50.0	49.6	48.4	46.8	45.2
95°	92.7	93.2	93.7	94.2	93.7	93.2	92.7	92.3	91.1	89.4	87.8
97.5°	141.9	142.2	142.5	142.8	142.5	142.2	141.9	141.7	140.7	139.1	137.5
100°	178.1	178.6	179.2	179.6	179.2	178.6	178.1	177.7	176.3	174.2	171.9
102.5°	214.4	215.1	215.7	216.4	215.7	215.1	214.4	213.7	212.2	209.8	207.4
105°	269.5	270.1	270.9	271.6	270.9	270.1	269.5	268.7	267.6	266.2	264.7
107.5°	328.3	328.3	328.2	328.1	328.2	328.3	328.3	328.4	328.0	327.3	326.5
110°	370.9	370.7	370.4	370.2	370.4	370.7	370.9	371.2	370.9	370.2	369.5



TEST NUMBER: P333545-830

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	412.7	412.3	411.8	411.4	411.8	412.3	412.7	413.1	413.2	412.8	412.6
115°	477.2	476.9	476.6	476.5	476.6	476.9	477.2	477.4	477.7	477.9	478.2
117.5°	542.9	542.0	540.9	540.0	540.9	542.0	542.9	543.8	544.2	544.0	543.8
120°	586.7	585.7	584.8	583.8	584.8	585.7	586.7	587.7	588.1	588.1	588.1
122.5°	629.9	629.1	628.4	627.6	628.4	629.1	629.9	630.7	631.2	631.4	631.6
125°	694.1	693.8	693.5	693.3	693.5	693.8	694.1	694.3	694.7	695.1	695.6
127.5°	757.9	757.3	756.9	756.4	756.9	757.3	757.9	758.4	758.7	758.9	759.2
130°	799.9	799.5	798.9	798.4	798.9	799.5	799.9	800.4	800.8	801.0	801.3
132.5°	839.9	839.2	838.6	837.9	838.6	839.2	839.9	840.7	841.0	841.3	841.6
135°	902.1	901.2	900.2	899.2	900.2	901.2	902.1	903.1	903.6	903.6	903.6
137.5°	962.9	961.7	960.5	959.2	960.5	961.7	962.9	964.1	964.6	964.3	964.0
140°	1001.5	1000.2	999.0	997.8	999.0	1000.2	1001.5	1002.7	1003.1	1002.6	1002.0
142.5°	1038.2	1037.1	1035.9	1034.6	1035.9	1037.1	1038.2	1039.4	1039.9	1039.6	1039.3
145°	1092.0	1091.3	1090.5	1089.8	1090.5	1091.3	1092.0	1092.7	1093.1	1093.1	1093.1
147.5°	1141.9	1140.2	1138.6	1136.9	1138.6	1140.2	1141.9	1143.5	1144.1	1143.5	1142.9
150°	1173.4	1172.9	1172.4	1172.0	1172.4	1172.9	1173.4	1173.9	1174.1	1174.1	1174.1
152.5°	1203.5	1202.6	1201.7	1200.9	1201.7	1202.6	1203.5	1204.4	1204.5	1203.9	1203.3
155°	1245.7	1244.4	1243.3	1242.1	1243.3	1244.4	1245.7	1246.9	1247.1	1246.0	1245.1
157.5°	1281.3	1279.7	1278.1	1276.5	1278.1	1279.7	1281.3	1282.9	1283.2	1282.2	1281.2
160°	1303.7	1302.5	1301.3	1300.1	1301.3	1302.5	1303.7	1305.0	1305.0	1304.1	1303.2
162.5°	1324.5	1323.0	1321.6	1320.2	1321.6	1323.0	1324.5	1325.9	1326.1	1324.8	1323.7
165°	1351.6	1350.1	1348.7	1347.2	1348.7	1350.1	1351.6	1353.0	1353.3	1352.3	1351.3
167.5°	1373.2	1371.7	1370.2	1368.7	1370.2	1371.7	1373.2	1374.7	1374.7	1373.3	1371.8
170°	1385.2	1383.5	1381.8	1380.1	1381.8	1383.5	1385.2	1386.9	1387.0	1385.5	1384.0
172.5°	1394.2	1392.7	1391.2	1389.7	1391.2	1392.7	1394.2	1395.7	1395.7	1394.3	1392.8
175°	1403.8	1402.1	1400.3	1398.6	1400.3	1402.1	1403.8	1405.5	1405.6	1404.1	1402.7
177.5°	1408.1	1406.7	1405.3	1403.9	1405.3	1406.7	1408.1	1409.4	1409.5	1408.3	1407.1
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



TEST NUMBER: P333545-830

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	836.1	839.2	840.9	845.0	850.7	853.6	857.6	860.4	864.5	869.3	873.4
5°	781.9	790.6	796.3	805.2	813.5	821.7	832.1	839.6	849.6	861.1	870.1
7.5°	731.7	742.4	752.0	763.7	777.4	788.0	801.5	815.3	831.0	847.3	862.6
10°	699.6	710.4	722.2	736.9	750.5	764.8	780.9	797.0	816.7	835.0	855.7
12.5°	667.8	679.7	693.0	709.4	725.9	744.1	760.5	778.6	799.8	823.5	845.7
15°	628.4	639.8	654.1	668.1	687.1	707.1	729.0	753.0	776.6	803.1	830.7
17.5°	586.1	598.6	614.4	630.6	650.5	674.0	695.5	721.7	748.3	779.2	811.6
20°	558.6	571.5	590.0	607.9	626.2	649.1	674.6	701.4	729.7	762.2	798.4
22.5°	536.8	545.9	564.3	582.5	603.9	627.4	652.2	680.2	711.1	744.8	782.7
25°	504.4	515.2	528.5	547.4	569.7	594.4	619.4	649.1	682.8	717.2	757.6
27.5°	475.8	484.6	497.7	512.6	534.7	560.3	587.0	618.0	652.5	687.5	730.1
30°	455.4	465.1	477.6	493.4	511.0	538.9	566.1	596.5	631.6	667.8	711.4
32.5°	437.7	447.6	458.5	473.3	492.3	517.1	545.2	575.0	610.7	648.0	690.5
35°	412.8	419.6	429.6	444.3	463.0	483.0	511.6	543.2	577.9	616.5	659.1
37.5°	384.4	393.1	403.1	415.8	432.2	453.8	480.5	512.4	544.6	581.6	620.5
40°	367.7	376.0	387.0	396.3	413.6	433.2	457.6	490.9	523.1	557.8	593.2
42.5°	350.8	358.7	368.2	379.8	395.2	414.3	437.0	468.0	502.5	535.2	565.0
45°	324.4	332.6	341.6	352.3	366.6	385.2	407.8	436.1	466.2	496.2	518.8
47.5°	299.1	306.8	315.3	326.3	339.5	357.5	377.7	402.7	431.9	457.4	473.5
50°	281.1	288.2	297.6	308.3	321.1	338.0	357.3	382.0	406.4	429.6	444.3
52.5°	263.3	271.4	280.6	289.9	302.3	319.1	337.0	358.3	381.4	400.4	412.6
55°	236.7	244.2	252.8	262.4	274.7	289.0	307.9	324.7	343.0	359.1	366.3
57.5°	210.9	217.5	225.6	235.6	246.7	260.0	274.9	291.2	304.1	315.5	323.6
60°	194.1	199.8	207.3	215.9	227.7	239.9	253.4	268.5	278.5	288.2	295.8
62.5°	176.9	182.3	189.5	197.3	207.6	219.0	232.1	244.2	253.9	260.4	269.1
65°	151.1	156.5	162.6	170.8	179.0	188.3	200.1	209.1	215.9	223.1	228.5
67.5°	127.1	131.6	137.3	143.8	150.7	159.7	168.8	176.3	181.0	185.2	191.7
70°	111.3	114.9	119.6	124.6	132.1	141.1	148.3	153.9	157.2	161.5	169.4
72.5°	95.3	99.4	103.9	108.9	114.9	122.4	128.8	134.5	136.6	140.0	145.0
75°	75.2	77.4	81.0	84.5	88.8	95.2	101.3	102.7	104.5	107.4	111.0
77.5°	56.8	58.8	60.2	62.6	66.0	71.2	74.4	76.5	77.0	78.0	81.5
80°	45.1	46.2	47.6	49.4	50.8	55.1	56.9	59.1	59.8	60.9	62.7
82.5°	33.1	34.1	35.1	36.5	38.8	40.5	42.3	44.5	44.6	45.4	45.7
85°	19.3	19.7	18.9	19.7	20.1	20.7	22.5	24.3	24.0	23.7	24.7
87.5°	10.7	10.4	9.7	10.3	9.3	9.3	9.0	8.9	9.0	9.2	9.4
90°	18.8	17.5	15.8	14.1	12.4	10.7	8.9	7.0	5.0	3.0	1.1
92.5°	43.6	42.0	40.0	37.9	35.8	33.6	32.0	30.6	29.2	27.9	26.5
95°	86.1	84.4	81.9	79.5	77.0	74.6	73.1	72.7	72.2	71.6	71.2
97.5°	135.9	134.3	130.9	127.5	124.2	120.8	119.0	118.9	118.7	118.5	118.3
100°	169.8	167.6	164.4	161.3	158.1	155.0	153.4	153.4	153.4	153.4	153.4
102.5°	205.0	202.6	201.0	199.4	197.8	196.2	194.9	194.0	192.9	192.0	191.1
105°	263.3	261.7	260.3	258.8	257.4	255.9	254.6	253.4	252.1	250.9	249.7
107.5°	325.8	325.1	324.0	322.8	321.7	320.6	319.4	318.2	317.0	315.8	314.5
110°	368.7	368.0	367.3	366.6	365.8	365.0	364.1	362.9	361.7	360.4	359.3



TEST NUMBER: P333545-830

CATALOG NUMBER: S125RDIP-S610D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	412.2	411.8	410.9	410.0	409.1	408.1	407.4	406.7	406.0	405.5	404.8
115°	478.4	478.6	478.2	477.7	477.2	476.6	476.0	474.9	474.0	473.1	472.0
117.5°	543.7	543.5	543.0	542.6	542.2	541.7	541.3	540.8	540.5	540.0	539.5
120°	588.1	588.1	588.0	587.7	587.4	587.2	586.4	585.2	584.0	582.8	581.5
122.5°	631.8	632.0	631.3	630.7	630.1	629.4	628.9	628.5	628.0	627.6	627.2
125°	696.1	696.6	696.4	696.1	695.9	695.6	694.7	693.3	691.8	690.4	688.9
127.5°	759.4	759.7	759.4	759.1	758.8	758.6	758.0	757.1	756.3	755.4	754.7
130°	801.5	801.7	801.3	800.8	800.3	799.8	798.9	797.8	796.5	795.3	794.1
132.5°	841.8	842.1	842.2	842.3	842.4	842.4	841.5	839.5	837.5	835.5	833.5
135°	903.6	903.6	903.3	903.1	902.9	902.7	901.8	900.3	898.9	897.4	896.0
137.5°	963.7	963.4	962.9	962.3	961.8	961.3	960.3	958.8	957.4	956.0	954.6
140°	1001.5	1001.1	1000.3	999.7	998.9	998.2	997.2	996.0	994.8	993.5	992.3
142.5°	1039.1	1038.8	1037.8	1036.9	1035.9	1035.1	1034.1	1033.0	1032.1	1031.0	1030.0
145°	1093.1	1093.1	1092.3	1091.7	1090.9	1090.1	1089.3	1088.4	1087.4	1086.4	1085.4
147.5°	1142.3	1141.7	1141.1	1140.6	1140.0	1139.3	1138.8	1138.3	1137.7	1137.2	1136.7
150°	1174.1	1174.1	1173.2	1172.1	1171.2	1170.3	1169.9	1170.2	1170.4	1170.6	1170.8
152.5°	1202.8	1202.2	1201.8	1201.4	1201.0	1200.6	1200.2	1200.0	1199.6	1199.2	1198.9
155°	1244.2	1243.1	1242.9	1242.6	1242.5	1242.2	1242.1	1242.1	1242.1	1242.1	1242.1
157.5°	1280.3	1279.3	1279.0	1278.8	1278.6	1278.3	1278.5	1279.0	1279.5	1280.1	1280.6
160°	1302.1	1301.2	1301.0	1300.7	1300.4	1300.2	1300.4	1301.2	1301.9	1302.7	1303.3
162.5°	1322.5	1321.4	1321.3	1321.3	1321.2	1321.2	1321.4	1321.9	1322.5	1323.0	1323.5
165°	1350.4	1349.3	1349.2	1348.9	1348.7	1348.4	1348.5	1349.1	1349.5	1350.0	1350.5
167.5°	1370.4	1368.9	1368.9	1368.9	1368.9	1368.9	1369.3	1370.4	1371.3	1372.2	1373.3
170°	1382.6	1381.1	1381.1	1381.1	1381.1	1381.1	1381.7	1382.6	1383.6	1384.6	1385.5
172.5°	1391.4	1389.9	1389.9	1389.9	1389.9	1389.9	1390.4	1391.4	1392.3	1393.4	1394.3
175°	1401.2	1399.8	1399.8	1399.8	1399.8	1399.8	1400.2	1401.2	1402.2	1403.2	1404.1
177.5°	1406.0	1404.8	1405.0	1405.2	1405.4	1405.6	1406.1	1406.8	1407.6	1408.4	1409.2
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



TEST NUMBER: P333545-830

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	876.5	879.1	882.8	887.1	890.5	894.3	896.3	896.3	898.0	901.7	906.5
5°	879.0	888.3	897.3	908.7	917.7	928.0	935.9	943.5	950.3	958.8	967.8
7.5°	878.3	893.7	909.8	927.9	947.8	963.7	979.9	992.7	1005.2	1021.7	1034.7
10°	875.4	895.5	917.3	940.2	965.3	987.1	1006.8	1024.7	1041.9	1059.8	1075.9
12.5°	870.2	895.8	922.5	950.0	981.7	1006.6	1032.0	1051.1	1071.1	1090.7	1110.6
15°	862.5	892.6	924.8	963.2	1001.8	1029.7	1054.8	1079.5	1098.2	1120.3	1139.3
17.5°	846.6	885.3	925.9	967.7	1004.8	1037.4	1063.6	1087.1	1106.9	1131.3	1157.2
20°	837.1	879.0	921.2	966.0	1001.5	1034.7	1060.2	1084.5	1109.2	1141.1	1172.6
22.5°	824.0	868.6	913.5	956.0	993.4	1025.6	1051.9	1081.7	1114.1	1150.3	1188.4
25°	803.1	849.3	893.7	934.2	970.6	1003.6	1039.4	1079.5	1118.9	1166.5	1221.3
27.5°	776.7	821.2	860.8	903.5	939.9	981.8	1026.4	1069.9	1126.7	1192.2	1260.7
30°	756.9	799.2	836.8	877.2	918.4	964.6	1014.7	1065.9	1133.6	1210.5	1291.8
32.5°	734.0	772.2	809.5	848.6	896.1	946.8	1000.1	1062.7	1143.6	1231.1	1315.3
35°	694.3	728.6	764.8	808.1	858.6	913.7	981.8	1058.0	1155.7	1249.9	1325.5
37.5°	652.6	679.7	716.0	761.7	816.7	880.5	957.7	1050.4	1150.8	1235.3	1267.4
40°	620.5	645.9	684.2	732.2	786.6	856.5	943.1	1038.3	1139.3	1198.0	1195.5
42.5°	588.7	614.4	651.3	699.6	756.3	834.4	923.6	1022.6	1107.8	1130.1	1083.5
45°	539.9	563.9	600.1	648.8	709.6	791.6	885.4	980.3	1034.7	998.6	906.3
47.5°	490.2	513.5	547.1	594.7	661.2	747.1	835.8	913.6	921.2	843.6	732.7
50°	457.6	479.4	511.3	562.1	626.6	710.4	796.0	857.1	838.2	743.3	629.1
52.5°	425.7	446.8	476.6	524.6	590.5	672.6	748.9	797.0	753.1	652.2	549.5
55°	378.8	398.9	429.0	473.0	532.7	607.9	675.0	692.5	628.0	526.3	443.3
57.5°	334.2	348.8	378.6	417.5	475.2	541.5	589.5	586.4	515.2	423.7	364.1
60°	304.7	317.9	346.2	382.0	436.8	496.2	529.9	515.6	443.7	368.1	310.8
62.5°	277.2	289.5	313.3	346.2	393.3	445.0	469.5	449.7	381.7	315.4	269.8
65°	235.6	244.6	263.5	294.0	330.8	366.6	388.5	359.5	299.4	249.2	214.8
67.5°	196.7	204.4	221.3	243.2	268.6	293.3	302.2	274.9	228.2	194.4	170.2
70°	171.5	178.7	190.1	210.6	227.3	244.9	249.2	224.9	185.9	160.0	145.0
72.5°	147.4	154.0	164.1	178.4	190.1	200.2	202.3	179.6	149.8	132.0	120.4
75°	112.4	118.2	124.6	130.0	137.5	139.3	138.6	121.0	104.9	93.1	86.6
77.5°	82.7	85.0	89.0	91.0	91.4	91.3	87.7	76.5	68.2	63.3	60.7
80°	63.7	65.5	66.6	67.3	67.7	64.1	60.1	53.3	50.5	47.6	44.4
82.5°	46.3	47.5	48.5	48.7	46.8	43.7	40.1	36.8	34.7	33.3	32.0
85°	25.1	25.4	25.1	23.3	20.7	19.7	18.9	18.3	17.9	17.5	17.5
87.5°	9.5	9.0	8.0	8.7	9.0	9.0	9.4	9.4	9.5	9.8	10.0
90°	3.0	5.0	7.0	8.9	10.7	12.4	14.1	15.8	17.5	18.8	20.0
92.5°	27.9	29.2	30.6	32.0	33.6	35.8	37.9	40.0	42.0	43.6	45.2
95°	71.6	72.2	72.7	73.1	74.6	77.0	79.5	81.9	84.4	86.1	87.8
97.5°	118.5	118.7	118.9	119.0	120.8	124.2	127.5	130.9	134.3	135.9	137.5
100°	153.4	153.4	153.4	153.4	155.0	158.1	161.3	164.4	167.6	169.8	171.9
102.5°	192.0	192.9	194.0	194.9	196.2	197.8	199.4	201.0	202.6	205.0	207.4
105°	250.9	252.1	253.4	254.6	255.9	257.4	258.8	260.3	261.7	263.3	264.7
107.5°	315.8	317.0	318.2	319.4	320.6	321.7	322.8	324.0	325.1	325.8	326.5
110°	360.4	361.7	362.9	364.1	365.0	365.8	366.6	367.3	368.0	368.7	369.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	405.5	406.0	406.7	407.4	408.1	409.1	410.0	410.9	411.8	412.2	412.6
115°	473.1	474.0	474.9	476.0	476.6	477.2	477.7	478.2	478.6	478.4	478.2
117.5°	540.0	540.5	540.8	541.3	541.7	542.2	542.6	543.0	543.5	543.7	543.8
120°	582.8	584.0	585.2	586.4	587.2	587.4	587.7	588.0	588.1	588.1	588.1
122.5°	627.6	628.0	628.5	628.9	629.4	630.1	630.7	631.3	632.0	631.8	631.6
125°	690.4	691.8	693.3	694.7	695.6	695.9	696.1	696.4	696.6	696.1	695.6
127.5°	755.4	756.3	757.1	758.0	758.6	758.8	759.1	759.4	759.7	759.4	759.2
130°	795.3	796.5	797.8	798.9	799.8	800.3	800.8	801.3	801.7	801.5	801.3
132.5°	835.5	837.5	839.5	841.5	842.4	842.4	842.3	842.2	842.1	841.8	841.6
135°	897.4	898.9	900.3	901.8	902.7	902.9	903.1	903.3	903.6	903.6	903.6
137.5°	956.0	957.4	958.8	960.3	961.3	961.8	962.3	962.9	963.4	963.7	964.0
140°	993.5	994.8	996.0	997.2	998.2	998.9	999.7	1000.3	1001.1	1001.5	1002.0
142.5°	1031.0	1032.1	1033.0	1034.1	1035.1	1035.9	1036.9	1037.8	1038.8	1039.1	1039.3
145°	1086.4	1087.4	1088.4	1089.3	1090.1	1090.9	1091.7	1092.3	1093.1	1093.1	1093.1
147.5°	1137.2	1137.7	1138.3	1138.8	1139.3	1140.0	1140.6	1141.1	1141.7	1142.3	1142.9
150°	1170.6	1170.4	1170.2	1169.9	1170.3	1171.2	1172.1	1173.2	1174.1	1174.1	1174.1
152.5°	1199.2	1199.6	1200.0	1200.2	1200.6	1201.0	1201.4	1201.8	1202.2	1202.8	1203.3
155°	1242.1	1242.1	1242.1	1242.1	1242.2	1242.5	1242.6	1242.9	1243.1	1244.2	1245.1
157.5°	1280.1	1279.5	1279.0	1278.5	1278.3	1278.6	1278.8	1279.0	1279.3	1280.3	1281.2
160°	1302.7	1301.9	1301.2	1300.4	1300.2	1300.4	1300.7	1301.0	1301.2	1302.1	1303.2
162.5°	1323.0	1322.5	1321.9	1321.4	1321.2	1321.2	1321.3	1321.3	1321.4	1322.5	1323.7
165°	1350.0	1349.5	1349.1	1348.5	1348.4	1348.7	1348.9	1349.2	1349.3	1350.4	1351.3
167.5°	1372.2	1371.3	1370.4	1369.3	1368.9	1368.9	1368.9	1368.9	1368.9	1370.4	1371.8
170°	1384.6	1383.6	1382.6	1381.7	1381.1	1381.1	1381.1	1381.1	1381.1	1382.6	1384.0
172.5°	1393.4	1392.3	1391.4	1390.4	1389.9	1389.9	1389.9	1389.9	1389.9	1391.4	1392.8
175°	1403.2	1402.2	1401.2	1400.2	1399.8	1399.8	1399.8	1399.8	1399.8	1401.2	1402.7
177.5°	1408.4	1407.6	1406.8	1406.1	1405.6	1405.4	1405.2	1405.0	1404.8	1406.0	1407.1
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	910.3	910.3	915.2	914.8	918.0	916.9	917.5
5°	978.5	984.6	990.0	993.5	998.9	1000.4	999.7
7.5°	1049.3	1062.8	1069.4	1078.5	1080.1	1084.8	1084.3
10°	1093.1	1106.4	1116.3	1124.3	1128.2	1133.2	1133.6
12.5°	1127.5	1138.7	1147.6	1154.9	1159.7	1161.3	1162.2
15°	1154.3	1166.9	1177.2	1187.6	1193.7	1198.3	1200.9
17.5°	1181.4	1200.7	1219.1	1233.2	1241.6	1248.8	1248.7
20°	1202.3	1224.6	1247.5	1263.6	1280.0	1287.1	1288.3
22.5°	1224.6	1258.6	1288.1	1313.1	1334.7	1342.2	1344.9
25°	1271.0	1315.4	1360.9	1396.0	1421.1	1435.8	1437.9
27.5°	1327.1	1387.2	1435.0	1467.4	1488.3	1499.1	1501.5
30°	1366.7	1422.1	1465.1	1489.5	1499.1	1500.5	1495.2
32.5°	1384.4	1425.9	1443.0	1441.6	1422.7	1410.0	1405.2
35°	1362.7	1354.2	1312.2	1262.1	1223.8	1199.5	1193.0
37.5°	1240.1	1166.0	1088.9	1013.2	972.9	952.4	917.2
40°	1119.3	1013.6	933.4	869.7	824.3	787.7	779.1
42.5°	982.9	873.8	793.6	739.0	702.8	677.7	666.8
45°	789.9	696.1	629.8	587.9	560.0	541.7	533.5
47.5°	631.7	559.1	510.9	479.8	458.5	442.7	438.3
50°	545.0	486.9	446.1	420.0	403.9	391.7	386.7
52.5°	473.3	426.5	395.1	373.6	358.4	350.7	346.6
55°	390.6	350.2	327.6	310.4	301.8	295.8	292.8
57.5°	319.4	290.2	273.7	261.8	253.9	250.1	248.6
60°	279.7	256.7	241.7	232.3	227.0	222.0	220.6
62.5°	244.4	226.4	214.7	206.6	201.2	199.1	198.2
65°	196.9	185.1	176.5	171.5	167.2	166.5	166.2
67.5°	156.6	149.6	145.1	139.9	138.4	135.8	135.3
70°	133.9	129.2	123.9	122.1	120.3	117.8	118.2
72.5°	113.6	109.0	105.3	102.9	102.3	101.2	102.1
75°	83.0	81.6	80.2	78.4	77.7	77.7	77.4
77.5°	59.3	58.1	56.5	55.4	55.2	53.7	54.3
80°	43.0	41.2	40.4	40.8	39.8	39.4	39.4
82.5°	31.8	31.1	30.4	30.5	30.3	30.0	30.3
85°	17.5	17.2	17.2	16.9	16.9	16.5	16.5
87.5°	10.6	11.0	10.7	10.6	10.7	11.1	11.6
90°	21.2	22.4	23.4	24.1	24.8	25.5	26.3
92.5°	46.8	48.4	49.6	50.0	50.6	51.2	51.7
95°	89.4	91.1	92.3	92.7	93.2	93.7	94.2
97.5°	139.1	140.7	141.7	141.9	142.2	142.5	142.8
100°	174.2	176.3	177.7	178.1	178.6	179.2	179.6
102.5°	209.8	212.2	213.7	214.4	215.1	215.7	216.4
105°	266.2	267.6	268.7	269.5	270.1	270.9	271.6
107.5°	327.3	328.0	328.4	328.3	328.3	328.2	328.1
110°	370.2	370.9	371.2	370.9	370.7	370.4	370.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	412.8	413.2	413.1	412.7	412.3	411.8	411.4
115°	477.9	477.7	477.4	477.2	476.9	476.6	476.5
117.5°	544.0	544.2	543.8	542.9	542.0	540.9	540.0
120°	588.1	588.1	587.7	586.7	585.7	584.8	583.8
122.5°	631.4	631.2	630.7	629.9	629.1	628.4	627.6
125°	695.1	694.7	694.3	694.1	693.8	693.5	693.3
127.5°	758.9	758.7	758.4	757.9	757.3	756.9	756.4
130°	801.0	800.8	800.4	799.9	799.5	798.9	798.4
132.5°	841.3	841.0	840.7	839.9	839.2	838.6	837.9
135°	903.6	903.6	903.1	902.1	901.2	900.2	899.2
137.5°	964.3	964.6	964.1	962.9	961.7	960.5	959.2
140°	1002.6	1003.1	1002.7	1001.5	1000.2	999.0	997.8
142.5°	1039.6	1039.9	1039.4	1038.2	1037.1	1035.9	1034.6
145°	1093.1	1093.1	1092.7	1092.0	1091.3	1090.5	1089.8
147.5°	1143.5	1144.1	1143.5	1141.9	1140.2	1138.6	1136.9
150°	1174.1	1174.1	1173.9	1173.4	1172.9	1172.4	1172.0
152.5°	1203.9	1204.5	1204.4	1203.5	1202.6	1201.7	1200.9
155°	1246.0	1247.1	1246.9	1245.7	1244.4	1243.3	1242.1
157.5°	1282.2	1283.2	1282.9	1281.3	1279.7	1278.1	1276.5
160°	1304.1	1305.0	1305.0	1303.7	1302.5	1301.3	1300.1
162.5°	1324.8	1326.1	1325.9	1324.5	1323.0	1321.6	1320.2
165°	1352.3	1353.3	1353.0	1351.6	1350.1	1348.7	1347.2
167.5°	1373.3	1374.7	1374.7	1373.2	1371.7	1370.2	1368.7
170°	1385.5	1387.0	1386.9	1385.2	1383.5	1381.8	1380.1
172.5°	1394.3	1395.7	1395.7	1394.2	1392.7	1391.2	1389.7
175°	1404.1	1405.6	1405.5	1403.8	1402.1	1400.3	1398.6
177.5°	1408.3	1409.5	1409.4	1408.1	1406.7	1405.3	1403.9
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4

(END OF REPORT)