

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: P332289-840

Luminaire Tested: **S123RDIP-S560D1025U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332289-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S560D1025U840-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1025 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

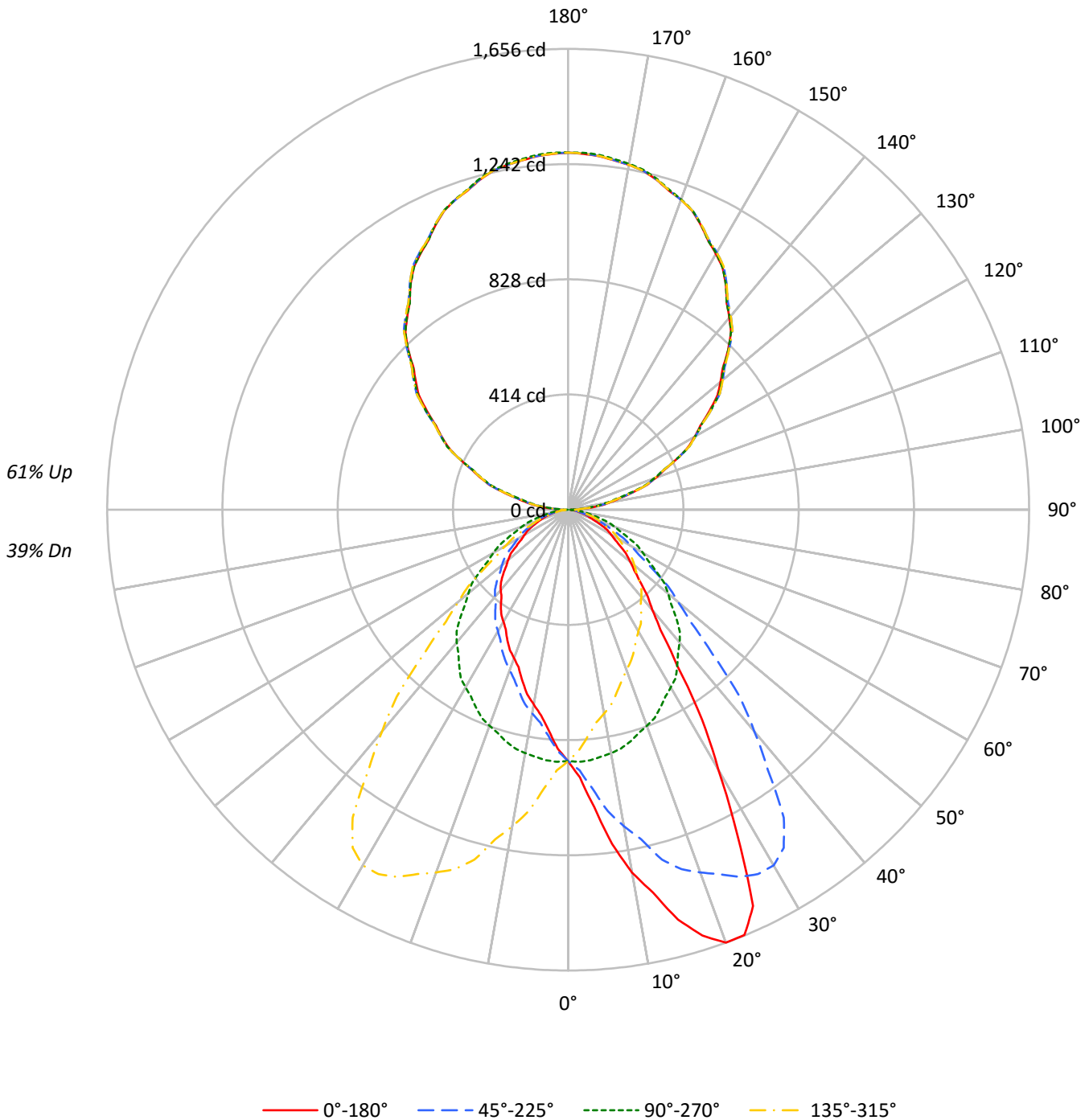
Lumens per Lamp: N/A
Luminaire Lumens: 5809.0 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	92	88	85	87	83	80	78	68	66	64	54	53	51	41	40	40	34
2	87	81	75	70	79	73	69	64	60	57	54	48	46	44	37	35	34	29
3	80	71	64	59	73	65	59	54	54	49	46	43	40	37	33	31	29	25
4	73	63	56	50	67	58	51	46	48	43	39	38	35	32	30	28	26	22
5	67	56	49	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19
6	62	51	43	37	56	47	40	35	39	34	30	31	28	25	25	22	20	17
7	58	46	38	33	52	42	35	31	35	30	26	29	25	22	23	20	18	15
8	53	42	34	29	49	38	32	27	32	27	23	26	23	20	21	18	16	14
9	50	38	31	26	45	35	29	24	29	25	21	24	20	18	19	17	15	12
10	46	35	28	23	42	32	26	22	27	22	19	22	19	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9725	9725	9725	9725
5°	11594	9767	8602	9767
10°	14476	9711	7770	9711
15°	16992	9611	7086	9611
20°	18963	9464	6504	9464
25°	18659	9308	6147	9308
30°	13412	9163	5778	9163
35°	8956	8976	5540	8976
40°	6598	8751	5295	8751
45°	5535	8356	5051	8356
50°	4883	7839	4716	7839
55°	4282	7246	4252	7246
60°	3813	6678	3899	6678
65°	3349	6067	3627	6067
70°	2628	5526	3311	5526
75°	2316	4824	3023	4824
80°	2015	4097	2975	4097
85°	1618	3298	3149	3298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	1.5
10°-20°	277.6	4.8
20°-30°	436.1	7.5
30°-40°	455.0	7.8
40°-50°	389.4	6.7
50°-60°	296.8	5.1
60°-70°	190.2	3.3
70°-80°	91.5	1.6
80°-90°	28.0	0.5
90°-100°	83.6	1.4
100°-110°	250.2	4.3
110°-120°	425.6	7.3
120°-130°	559.8	9.6
130°-140°	629.2	10.8
140°-150°	618.5	10.6
150°-160°	520.7	9.0
160°-170°	346.6	6.0
170°-180°	121.4	2.1
0°-30°	802.6	13.8
0°-40°	1257.6	21.6
0°-60°	1943.7	33.5
0°-90°	2253.5	38.8
90°-120°	759.4	13.1
90°-150°	2566.9	44.2
90°-180°	3555.0	61.2
0°-180°	5809.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	904	904	904	904	904	
5°	1073	904	796	904	1073	111
15°	1525	862	636	862	1525	432
25°	1571	784	518	784	1571	675
35°	682	683	422	683	682	447
45°	364	549	332	549	364	286
55°	228	386	227	386	228	206
65°	132	238	142	238	132	129
75°	56	116	73	116	56	60
85°	13	27	26	27	13	16
90°	30	1	30	1	30	15
95°	79	60	79	60	79	81
105°	240	227	240	227	240	255
115°	429	428	429	428	429	425
125°	620	627	620	627	620	554
135°	812	814	812	814	812	625
145°	987	987	987	987	987	616
155°	1128	1130	1128	1130	1128	519
165°	1227	1231	1227	1231	1227	346
175°	1275	1280	1275	1280	1275	121
180°	1283	1283	1283	1283	1283	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5
2.5°	962.3	963.6	959.6	959.0	954.3	953.1	953.1	946.5	942.5	937.3	934.2
5°	1073.0	1079.1	1076.1	1069.1	1057.5	1054.8	1047.4	1035.8	1022.7	1006.4	998.8
7.5°	1211.1	1219.6	1216.3	1205.6	1193.5	1183.6	1162.9	1143.6	1116.6	1093.0	1072.7
10°	1324.4	1315.5	1308.6	1298.1	1286.9	1268.7	1247.1	1217.3	1182.9	1155.8	1125.6
12.5°	1409.2	1407.8	1398.9	1388.2	1372.3	1355.0	1328.4	1292.1	1252.1	1212.9	1178.5
15°	1524.8	1527.1	1521.3	1510.1	1487.6	1457.0	1416.8	1401.8	1344.5	1301.9	1259.4
17.5°	1604.8	1604.3	1603.5	1587.9	1565.1	1543.3	1506.0	1466.3	1414.5	1354.5	1297.3
20°	1655.5	1651.6	1652.4	1635.0	1618.0	1592.9	1556.5	1498.8	1456.3	1387.0	1327.9
22.5°	1654.3	1653.5	1656.4	1650.4	1638.1	1618.8	1590.2	1541.6	1487.2	1417.3	1350.8
25°	1571.1	1568.1	1586.3	1591.2	1611.0	1614.5	1606.0	1579.3	1527.8	1455.9	1373.5
27.5°	1314.9	1313.2	1347.0	1389.2	1442.8	1484.4	1524.6	1544.0	1527.8	1476.3	1393.8
30°	1079.1	1115.5	1132.6	1193.7	1261.7	1342.9	1414.1	1481.8	1498.4	1476.0	1408.4
32.5°	896.0	927.7	941.9	994.4	1057.8	1153.0	1259.7	1355.5	1423.3	1440.5	1399.7
35°	681.6	682.0	714.4	737.6	796.4	894.2	997.9	1126.3	1253.9	1350.7	1360.8
37.5°	543.8	545.7	565.4	588.5	632.7	684.4	775.7	882.4	1029.9	1178.3	1265.4
40°	469.6	473.0	487.8	510.6	542.3	581.4	652.6	753.1	876.1	1041.3	1176.3
42.5°	421.9	427.6	435.2	452.7	472.3	509.0	566.5	644.2	756.0	912.2	1067.9
45°	363.6	366.7	372.4	380.6	398.4	423.9	462.6	514.8	607.6	733.4	889.3
47.5°	320.7	319.1	325.2	331.8	343.7	361.0	387.0	429.6	495.8	596.6	728.9
50°	291.6	291.2	295.5	300.5	311.7	324.6	345.8	377.9	430.5	514.0	635.1
52.5°	264.4	265.9	268.9	275.2	283.3	293.6	312.7	335.8	381.0	453.1	554.0
55°	228.2	229.3	233.6	237.1	242.9	253.4	265.4	284.7	315.6	365.9	449.1
57.5°	197.5	197.0	201.2	202.0	208.5	217.0	226.3	241.4	263.8	301.1	357.2
60°	177.1	176.0	179.5	182.2	185.6	192.6	200.4	215.1	232.9	260.3	308.3
62.5°	158.5	158.0	160.6	163.3	166.1	172.5	179.0	190.3	204.4	227.5	265.6
65°	131.5	132.7	133.8	135.0	136.5	140.4	146.6	154.3	164.0	180.3	207.7
67.5°	103.3	104.5	104.9	107.2	110.6	113.0	116.8	123.7	130.5	144.1	159.8
70°	83.5	83.1	83.5	84.7	89.0	93.2	98.3	103.3	107.6	117.2	130.4
72.5°	71.8	71.1	72.1	72.3	74.4	75.5	78.8	83.5	89.0	95.5	105.0
75°	55.7	55.7	55.7	55.7	57.3	58.1	59.2	60.4	62.3	65.3	72.3
77.5°	41.2	41.2	41.8	42.1	42.5	42.9	43.6	44.8	45.4	47.2	50.1
80°	32.5	32.9	32.5	32.9	32.9	33.6	34.0	35.2	35.5	37.6	38.7
82.5°	24.4	24.2	24.4	24.8	24.8	25.7	25.7	26.6	26.7	27.6	28.8
85°	13.1	12.4	13.1	12.7	13.5	12.7	13.1	13.9	13.9	14.3	15.9
87.5°	9.2	9.7	9.0	9.2	9.1	9.3	9.1	8.9	9.4	8.9	8.6
90°	30.2	29.8	29.4	28.9	28.5	27.8	26.9	26.0	25.0	24.2	21.3
92.5°	40.7	41.0	41.3	41.5	41.8	41.6	40.9	40.2	39.4	38.7	37.1
95°	78.7	78.7	78.7	78.7	78.7	78.2	77.3	76.3	75.5	74.6	72.8
97.5°	121.0	121.1	121.2	121.3	121.3	120.9	119.9	118.8	117.8	116.7	115.4
100°	153.2	152.8	152.3	151.9	151.5	150.9	150.2	149.6	148.9	148.1	147.0
102.5°	186.3	186.4	186.4	186.5	186.6	186.3	185.7	185.0	184.3	183.7	182.2
105°	239.9	239.4	239.0	238.5	238.1	237.9	237.9	237.9	237.9	237.9	235.9
107.5°	295.8	296.0	296.3	296.6	296.8	296.6	295.9	295.2	294.5	293.8	293.0
110°	333.7	334.2	334.6	335.0	335.5	335.3	334.4	333.5	332.5	331.6	331.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	374.0	374.1	374.2	374.3	374.4	373.9	372.7	371.7	370.6	369.5	369.5
115°	429.4	429.7	429.9	430.1	430.3	430.3	430.1	429.9	429.7	429.4	429.9
117.5°	485.6	486.4	487.0	487.6	488.2	488.6	488.6	488.6	488.7	488.7	489.3
120°	525.2	525.6	526.1	526.5	526.9	527.4	527.6	527.8	528.0	528.3	529.4
122.5°	563.1	563.7	564.3	565.0	565.6	566.2	566.8	567.3	567.9	568.6	569.2
125°	620.0	620.9	621.8	622.7	623.5	624.4	625.3	626.2	627.1	628.0	628.4
127.5°	676.6	677.6	678.6	679.7	680.8	681.9	683.2	684.4	685.6	686.9	687.4
130°	713.7	715.3	716.8	718.4	719.9	721.2	722.1	723.0	723.9	724.8	725.5
132.5°	752.5	753.7	754.9	756.1	757.3	758.4	759.5	760.5	761.6	762.7	763.2
135°	812.5	812.9	813.3	813.9	814.3	815.0	815.9	816.8	817.7	818.5	818.8
137.5°	865.6	866.4	867.2	868.1	868.9	869.8	870.8	871.7	872.6	873.5	873.0
140°	900.2	901.8	903.3	904.9	906.5	907.4	907.6	907.8	908.1	908.3	908.1
142.5°	935.6	936.9	938.1	939.3	940.5	941.2	941.5	941.7	941.9	942.1	941.7
145°	986.8	987.7	988.7	989.6	990.5	991.0	991.3	991.5	991.7	991.9	991.3
147.5°	1032.5	1033.8	1035.1	1036.5	1037.8	1038.5	1038.5	1038.5	1038.5	1038.5	1037.8
150°	1061.5	1062.8	1064.2	1065.5	1066.8	1067.5	1067.5	1067.5	1067.5	1067.5	1067.1
152.5°	1089.7	1090.9	1092.1	1093.2	1094.4	1094.8	1094.4	1094.1	1093.7	1093.4	1093.1
155°	1128.0	1129.5	1131.1	1132.8	1134.3	1134.6	1133.8	1132.9	1132.0	1131.0	1130.8
157.5°	1162.9	1164.2	1165.4	1166.7	1167.9	1168.1	1167.1	1166.2	1165.3	1164.3	1164.2
160°	1185.5	1186.4	1187.3	1188.2	1189.0	1188.9	1187.8	1186.7	1185.6	1184.5	1184.5
162.5°	1202.4	1203.9	1205.3	1206.7	1208.1	1208.3	1207.2	1206.1	1205.0	1203.9	1203.7
165°	1226.8	1228.4	1229.9	1231.5	1233.0	1233.1	1231.8	1230.5	1229.1	1227.8	1227.8
167.5°	1247.6	1249.0	1250.3	1251.7	1253.1	1253.1	1251.7	1250.3	1249.0	1247.6	1247.4
170°	1258.1	1259.6	1261.2	1262.7	1264.4	1264.4	1262.7	1261.2	1259.6	1258.1	1258.1
172.5°	1266.1	1267.7	1269.3	1270.8	1272.4	1272.4	1271.1	1269.7	1268.3	1266.9	1266.9
175°	1275.2	1276.8	1278.3	1279.9	1281.4	1281.6	1280.2	1278.9	1277.6	1276.2	1276.2
177.5°	1280.0	1281.3	1282.5	1283.8	1285.1	1285.2	1284.0	1283.0	1281.9	1280.8	1280.8
180°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5
2.5°	932.9	932.0	927.7	922.7	916.3	911.9	908.5	906.7	901.1	894.2	889.6
5°	990.6	979.0	966.6	951.5	937.6	923.3	914.4	903.9	891.2	876.9	866.8
7.5°	1052.3	1029.6	1005.0	979.8	954.7	932.3	912.5	895.5	875.3	854.7	840.3
10°	1099.6	1066.4	1032.0	996.7	964.6	934.5	911.3	888.5	864.1	840.5	822.7
12.5°	1142.7	1098.9	1059.2	1015.9	974.9	938.9	905.4	878.6	849.3	824.2	803.9
15°	1197.1	1152.3	1104.3	1038.5	984.0	938.4	897.8	862.5	827.0	796.1	776.3
17.5°	1248.0	1180.5	1116.1	1061.2	990.4	933.3	883.7	841.6	802.6	769.8	745.5
20°	1269.1	1203.8	1133.7	1063.7	994.1	930.3	872.6	826.2	785.6	748.4	726.0
22.5°	1281.7	1207.7	1134.0	1058.7	984.8	918.5	861.5	810.4	766.4	731.1	703.5
25°	1296.6	1208.3	1127.1	1052.9	977.4	905.4	837.8	783.7	736.1	698.5	669.1
27.5°	1306.3	1202.5	1106.5	1024.0	947.5	875.9	813.9	756.4	708.1	668.4	636.9
30°	1308.2	1197.9	1090.8	1001.4	923.6	857.9	792.1	737.2	686.2	644.0	614.6
32.5°	1310.6	1186.5	1069.4	974.5	894.9	829.8	770.2	717.7	665.4	623.9	593.9
35°	1300.4	1180.1	1037.0	928.0	848.3	785.2	731.4	683.1	631.7	591.4	560.9
37.5°	1256.5	1155.0	1003.4	875.5	792.1	733.8	689.9	647.8	600.7	557.2	528.5
40°	1212.2	1130.2	977.4	843.6	756.6	696.6	657.1	622.8	577.1	536.4	505.5
42.5°	1146.3	1096.5	952.7	810.2	716.3	658.5	625.3	593.0	553.0	511.7	482.6
45°	1025.4	1032.0	902.0	757.0	660.7	602.6	571.3	548.9	513.3	479.3	449.5
47.5°	873.7	935.2	842.5	700.2	602.0	547.4	520.1	500.5	476.6	443.1	416.0
50°	774.8	862.5	794.9	662.2	565.1	511.0	483.9	468.1	447.2	420.8	395.0
52.5°	683.5	777.8	737.3	619.8	525.2	475.6	449.2	436.2	419.6	394.9	371.4
55°	557.3	652.9	643.6	555.8	465.3	420.8	400.7	386.1	374.8	356.3	337.7
57.5°	450.8	541.4	546.2	484.6	412.5	368.6	351.3	340.2	332.9	318.9	301.7
60°	383.7	466.9	483.1	436.7	374.8	336.1	319.1	310.2	304.4	293.2	280.0
62.5°	328.0	398.8	417.2	383.7	338.6	302.4	289.1	280.5	276.6	266.9	255.3
65°	251.1	309.8	327.6	309.0	285.5	256.4	245.6	238.2	234.8	229.3	220.9
67.5°	188.7	231.7	251.2	238.0	229.5	211.2	204.3	200.4	197.2	193.6	186.4
70°	151.6	183.4	203.5	200.0	193.0	183.4	178.3	175.6	172.5	169.5	163.2
72.5°	121.9	143.7	162.6	164.4	158.6	156.7	152.3	151.2	149.3	145.6	142.2
75°	80.9	95.9	109.1	114.1	116.4	118.4	116.4	116.0	115.6	112.6	110.6
77.5°	53.0	61.1	69.4	78.0	81.6	84.2	84.8	86.2	85.2	83.6	82.7
80°	40.6	42.5	48.4	55.7	61.5	63.8	65.3	66.1	65.7	65.3	63.8
82.5°	29.5	31.1	33.8	39.0	43.8	47.8	48.7	48.5	49.4	49.6	48.4
85°	15.9	16.3	17.1	17.8	20.5	24.7	26.0	26.7	27.5	27.5	25.1
87.5°	8.6	7.8	7.8	7.3	7.8	7.6	9.0	10.1	10.9	10.1	10.5
90°	18.4	15.5	12.5	10.0	7.8	5.5	3.2	1.0	3.2	5.5	7.8
92.5°	35.3	33.7	32.1	30.5	29.0	27.5	26.0	24.4	26.0	27.5	29.0
95°	71.0	69.2	67.5	65.7	64.2	62.6	61.0	59.5	61.0	62.6	64.2
97.5°	114.1	112.8	111.5	110.3	109.2	108.0	106.8	105.6	106.8	108.0	109.2
100°	145.9	144.8	143.7	142.5	141.1	139.8	138.5	137.1	138.5	139.8	141.1
102.5°	180.7	179.3	177.7	176.6	175.8	175.0	174.2	173.4	174.2	175.0	175.8
105°	233.9	231.9	229.8	228.6	228.1	227.7	227.2	226.8	227.2	227.7	228.1
107.5°	292.2	291.3	290.5	290.0	289.7	289.4	289.2	288.9	289.2	289.4	289.7
110°	330.7	330.3	329.8	329.4	328.9	328.5	328.1	327.6	328.1	328.5	328.9



TEST NUMBER: P332289-840

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	369.4	369.3	369.2	369.0	368.7	368.5	368.2	367.9	368.2	368.5	368.7
115°	430.3	430.8	431.2	431.1	430.4	429.8	429.1	428.4	429.1	429.8	430.4
117.5°	489.9	490.5	491.0	491.1	490.7	490.2	489.8	489.3	489.8	490.2	490.7
120°	530.5	531.6	532.7	532.6	531.3	529.9	528.6	527.3	528.6	529.9	531.3
122.5°	569.7	570.3	570.9	570.7	569.7	568.7	567.7	566.7	567.7	568.7	569.7
125°	628.9	629.3	629.9	629.7	629.0	628.3	627.7	627.0	627.7	628.3	629.0
127.5°	687.9	688.3	688.8	688.4	686.9	685.5	684.1	682.7	684.1	685.5	686.9
130°	726.1	726.8	727.5	726.9	725.1	723.4	721.5	719.7	721.5	723.4	725.1
132.5°	763.7	764.2	764.7	764.1	762.2	760.4	758.6	756.9	758.6	760.4	762.2
135°	819.0	819.2	819.4	818.9	817.5	816.2	814.9	813.5	814.9	816.2	817.5
137.5°	872.4	871.8	871.2	870.4	869.3	868.2	867.1	866.0	867.1	868.2	869.3
140°	907.8	907.6	907.4	906.7	905.5	904.4	903.3	902.2	903.3	904.4	905.5
142.5°	941.3	940.9	940.5	939.8	938.7	937.6	936.3	935.2	936.3	937.6	938.7
145°	990.6	989.9	989.3	988.7	988.3	987.7	987.3	986.8	987.3	987.7	988.3
147.5°	1037.2	1036.6	1036.0	1035.3	1034.5	1033.7	1032.9	1032.1	1032.9	1033.7	1034.5
150°	1066.6	1066.2	1065.7	1065.3	1064.8	1064.4	1064.0	1063.5	1064.0	1064.4	1064.8
152.5°	1092.8	1092.6	1092.3	1091.8	1091.2	1090.6	1089.9	1089.3	1089.9	1090.6	1091.2
155°	1130.5	1130.3	1130.1	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0
157.5°	1164.0	1163.8	1163.6	1163.7	1163.9	1164.2	1164.5	1164.7	1164.5	1164.2	1163.9
160°	1184.5	1184.5	1184.5	1184.7	1185.2	1185.6	1186.0	1186.5	1186.0	1185.6	1185.2
162.5°	1203.5	1203.3	1203.2	1203.4	1204.0	1204.6	1205.2	1205.9	1205.2	1204.6	1204.0
165°	1227.8	1227.8	1227.8	1228.2	1228.8	1229.5	1230.1	1230.8	1230.1	1229.5	1228.8
167.5°	1247.2	1247.1	1246.9	1247.2	1248.1	1249.0	1249.9	1250.8	1249.9	1249.0	1248.1
170°	1258.1	1258.1	1258.1	1258.5	1259.4	1260.3	1261.2	1262.1	1261.2	1260.3	1259.4
172.5°	1266.9	1266.9	1266.9	1267.4	1268.3	1269.2	1270.1	1270.9	1270.1	1269.2	1268.3
175°	1276.2	1276.2	1276.2	1276.7	1277.6	1278.4	1279.3	1280.2	1279.3	1278.4	1277.6
177.5°	1280.8	1280.8	1280.8	1281.2	1281.9	1282.6	1283.3	1284.0	1283.3	1282.6	1281.9
180°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2



TEST NUMBER: P332289-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5
2.5°	888.1	884.0	881.3	875.0	871.1	866.8	862.4	865.2	864.8	864.5	864.5
5°	858.3	849.4	841.3	830.8	824.3	816.2	809.9	809.2	810.7	805.3	802.2
7.5°	828.8	816.6	805.1	793.6	781.3	771.5	765.5	762.7	758.7	755.4	751.8
10°	808.0	793.8	782.4	768.2	755.1	743.5	736.1	731.0	728.3	725.6	720.6
12.5°	786.7	772.6	758.3	742.1	729.6	716.2	710.7	705.1	699.8	696.8	689.9
15°	755.4	737.2	722.2	705.1	691.3	678.0	670.3	659.1	657.5	653.7	646.7
17.5°	724.1	704.4	683.6	671.0	655.2	641.6	629.8	626.0	614.9	610.8	604.7
20°	699.3	681.2	665.3	648.6	625.8	613.1	603.8	598.7	589.9	584.4	580.6
22.5°	678.0	659.4	641.2	621.8	602.9	588.7	581.8	574.0	569.2	561.6	557.3
25°	647.5	627.4	605.3	584.4	570.9	560.1	549.3	542.3	535.3	531.8	524.1
27.5°	612.1	591.1	570.5	554.6	538.0	527.3	517.5	511.3	502.9	497.1	492.8
30°	592.6	567.8	550.1	535.7	514.4	504.4	497.1	489.3	483.1	477.0	472.6
32.5°	570.0	547.3	530.5	512.8	496.4	485.5	475.9	469.2	463.9	458.1	453.8
35°	534.5	515.6	498.2	480.4	468.4	457.2	446.0	440.2	435.2	429.7	425.9
37.5°	502.5	484.8	468.3	451.4	436.6	427.4	418.4	413.9	407.2	403.5	399.6
40°	482.7	465.3	447.6	431.3	415.8	408.9	400.7	394.2	388.0	385.3	381.0
42.5°	461.1	443.6	428.7	411.1	398.5	389.0	381.5	374.4	369.7	365.8	363.3
45°	429.0	413.4	398.8	381.4	369.4	361.2	352.7	346.2	341.9	339.2	335.0
47.5°	397.8	382.3	367.4	352.2	340.6	331.3	322.9	318.2	312.7	309.3	306.4
50°	375.2	361.2	345.4	331.4	319.9	310.6	303.7	297.8	292.8	288.5	286.6
52.5°	354.5	339.6	325.9	313.0	300.7	290.1	283.9	277.7	274.0	269.0	266.8
55°	320.2	306.0	294.4	281.6	269.6	260.7	253.0	247.5	243.7	238.2	235.2
57.5°	288.1	275.3	261.5	250.4	238.0	230.6	224.1	216.7	212.1	207.8	204.8
60°	266.5	251.8	239.8	229.3	218.5	208.8	203.1	197.2	192.3	187.9	185.3
62.5°	243.9	231.1	219.7	208.3	198.4	190.0	183.3	178.3	174.0	171.3	168.5
65°	209.2	199.2	187.6	178.3	169.1	162.9	157.4	153.2	150.1	148.1	145.8
67.5°	177.4	167.6	157.5	148.3	142.2	137.4	133.9	130.3	128.8	126.2	124.7
70°	156.6	146.6	137.7	130.8	124.5	121.1	118.8	116.0	114.5	111.4	109.9
72.5°	134.1	126.8	120.4	114.6	109.7	106.5	103.6	100.3	97.8	94.4	92.8
75°	105.6	99.1	94.0	90.1	87.1	82.8	78.6	75.0	73.9	72.7	72.3
77.5°	78.2	74.0	70.4	67.2	63.3	60.2	59.3	58.5	58.3	57.7	57.7
80°	61.5	57.7	54.9	51.1	48.8	48.8	48.8	48.0	48.4	48.4	48.4
82.5°	45.7	42.1	40.7	39.3	38.9	39.2	39.2	39.3	39.1	39.7	39.4
85°	23.6	23.9	24.7	24.3	24.7	24.7	25.5	25.1	25.5	24.7	25.5
87.5°	10.7	12.1	13.0	13.8	14.7	15.0	15.6	15.8	16.2	16.4	16.6
90°	10.0	12.5	15.5	18.4	21.3	24.2	25.0	26.0	26.9	27.8	28.5
92.5°	30.5	32.1	33.7	35.3	37.1	38.7	39.4	40.2	40.9	41.6	41.8
95°	65.7	67.5	69.2	71.0	72.8	74.6	75.5	76.3	77.3	78.2	78.7
97.5°	110.3	111.5	112.8	114.1	115.4	116.7	117.8	118.8	119.9	120.9	121.3
100°	142.5	143.7	144.8	145.9	147.0	148.1	148.9	149.6	150.2	150.9	151.5
102.5°	176.6	177.7	179.3	180.7	182.2	183.7	184.3	185.0	185.7	186.3	186.6
105°	228.6	229.8	231.9	233.9	235.9	237.9	237.9	237.9	237.9	237.9	238.1
107.5°	290.0	290.5	291.3	292.2	293.0	293.8	294.5	295.2	295.9	296.6	296.8
110°	329.4	329.8	330.3	330.7	331.2	331.6	332.5	333.5	334.4	335.3	335.5



TEST NUMBER: P332289-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	369.0	369.2	369.3	369.4	369.5	369.5	370.6	371.7	372.7	373.9	374.4
115°	431.1	431.2	430.8	430.3	429.9	429.4	429.7	429.9	430.1	430.3	430.3
117.5°	491.1	491.0	490.5	489.9	489.3	488.7	488.7	488.6	488.6	488.6	488.2
120°	532.6	532.7	531.6	530.5	529.4	528.3	528.0	527.8	527.6	527.4	526.9
122.5°	570.7	570.9	570.3	569.7	569.2	568.6	567.9	567.3	566.8	566.2	565.6
125°	629.7	629.9	629.3	628.9	628.4	628.0	627.1	626.2	625.3	624.4	623.5
127.5°	688.4	688.8	688.3	687.9	687.4	686.9	685.6	684.4	683.2	681.9	680.8
130°	726.9	727.5	726.8	726.1	725.5	724.8	723.9	723.0	722.1	721.2	719.9
132.5°	764.1	764.7	764.2	763.7	763.2	762.7	761.6	760.5	759.5	758.4	757.3
135°	818.9	819.4	819.2	819.0	818.8	818.5	817.7	816.8	815.9	815.0	814.3
137.5°	870.4	871.2	871.8	872.4	873.0	873.5	872.6	871.7	870.8	869.8	868.9
140°	906.7	907.4	907.6	907.8	908.1	908.3	908.1	907.8	907.6	907.4	906.5
142.5°	939.8	940.5	940.9	941.3	941.7	942.1	941.9	941.7	941.5	941.2	940.5
145°	988.7	989.3	989.9	990.6	991.3	991.9	991.7	991.5	991.3	991.0	990.5
147.5°	1035.3	1036.0	1036.6	1037.2	1037.8	1038.5	1038.5	1038.5	1038.5	1038.5	1037.8
150°	1065.3	1065.7	1066.2	1066.6	1067.1	1067.5	1067.5	1067.5	1067.5	1067.5	1066.8
152.5°	1091.8	1092.3	1092.6	1092.8	1093.1	1093.4	1093.7	1094.1	1094.4	1094.8	1094.4
155°	1130.0	1130.1	1130.3	1130.5	1130.8	1131.0	1132.0	1132.9	1133.8	1134.6	1134.3
157.5°	1163.7	1163.6	1163.8	1164.0	1164.2	1164.3	1165.3	1166.2	1167.1	1168.1	1167.9
160°	1184.7	1184.5	1184.5	1184.5	1184.5	1184.5	1185.6	1186.7	1187.8	1188.9	1189.0
162.5°	1203.4	1203.2	1203.3	1203.5	1203.7	1203.9	1205.0	1206.1	1207.2	1208.3	1208.1
165°	1228.2	1227.8	1227.8	1227.8	1227.8	1227.8	1229.1	1230.5	1231.8	1233.1	1233.0
167.5°	1247.2	1246.9	1247.1	1247.2	1247.4	1247.6	1249.0	1250.3	1251.7	1253.1	1253.1
170°	1258.5	1258.1	1258.1	1258.1	1258.1	1258.1	1259.6	1261.2	1262.7	1264.4	1264.4
172.5°	1267.4	1266.9	1266.9	1266.9	1266.9	1266.9	1268.3	1269.7	1271.1	1272.4	1272.4
175°	1276.7	1276.2	1276.2	1276.2	1276.2	1276.2	1277.6	1278.9	1280.2	1281.6	1281.4
177.5°	1281.2	1280.8	1280.8	1280.8	1280.8	1280.8	1281.9	1283.0	1284.0	1285.2	1285.1
180°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5
2.5°	860.8	860.5	860.8	859.6	860.8	860.5	860.8	864.5	864.5	864.8	865.2
5°	801.0	800.6	799.5	796.1	799.5	800.6	801.0	802.2	805.3	810.7	809.2
7.5°	748.8	748.3	744.9	745.0	744.9	748.3	748.8	751.8	755.4	758.7	762.7
10°	717.9	718.3	713.7	710.9	713.7	718.3	717.9	720.6	725.6	728.3	731.0
12.5°	687.9	686.1	682.4	679.3	682.4	686.1	687.9	689.9	696.8	699.8	705.1
15°	648.2	644.4	635.1	635.9	635.1	644.4	648.2	646.7	653.7	657.5	659.1
17.5°	601.6	598.7	598.6	593.2	598.6	598.7	601.6	604.7	610.8	614.9	626.0
20°	574.4	572.5	573.2	567.8	573.2	572.5	574.4	580.6	584.4	589.9	598.7
22.5°	553.0	551.1	547.9	546.1	547.9	551.1	553.0	557.3	561.6	569.2	574.0
25°	521.8	518.7	515.6	517.6	515.6	518.7	521.8	524.1	531.8	535.3	542.3
27.5°	490.5	488.2	485.1	484.7	485.1	488.2	490.5	492.8	497.1	502.9	511.3
30°	470.7	468.4	466.9	464.9	466.9	468.4	470.7	472.6	477.0	483.1	489.3
32.5°	450.6	450.2	447.4	447.0	447.4	450.2	450.6	453.8	458.1	463.9	469.2
35°	424.3	422.0	421.2	421.6	421.2	422.0	424.3	425.9	429.7	435.2	440.2
37.5°	399.3	396.3	394.9	393.4	394.9	396.3	399.3	399.6	403.5	407.2	413.9
40°	381.4	378.3	377.5	376.8	377.5	378.3	381.4	381.0	385.3	388.0	394.2
42.5°	361.2	360.0	359.6	358.2	359.6	360.0	361.2	363.3	365.8	369.7	374.4
45°	333.8	333.5	331.1	331.8	331.1	333.5	333.8	335.0	339.2	341.9	346.2
47.5°	304.9	303.2	301.5	302.7	301.5	303.2	304.9	306.4	309.3	312.7	318.2
50°	285.1	284.3	280.8	281.6	280.8	284.3	285.1	286.6	288.5	292.8	297.8
52.5°	265.3	262.4	261.1	260.5	261.1	262.4	265.3	266.8	269.0	274.0	277.7
55°	232.5	228.9	227.4	226.6	227.4	228.9	232.5	235.2	238.2	243.7	247.5
57.5°	200.3	199.3	198.1	198.9	198.1	199.3	200.3	204.8	207.8	212.1	216.7
60°	181.4	181.4	181.4	181.1	181.4	181.4	181.4	185.3	187.9	192.3	197.2
62.5°	166.8	165.9	165.6	166.1	165.6	165.9	166.8	168.5	171.3	174.0	178.3
65°	144.6	144.3	142.7	142.4	142.7	144.3	144.6	145.8	148.1	150.1	153.2
67.5°	123.7	122.3	121.9	121.3	121.9	122.3	123.7	124.7	126.2	128.8	130.3
70°	108.0	107.1	104.8	105.2	104.8	107.1	108.0	109.9	111.4	114.5	116.0
72.5°	90.9	90.1	89.7	89.1	89.7	90.1	90.9	92.8	94.4	97.8	100.3
75°	71.9	71.6	71.2	72.7	71.2	71.6	71.9	72.3	72.7	73.9	75.0
77.5°	57.7	57.7	57.9	57.3	57.9	57.7	57.7	57.7	57.7	58.3	58.5
80°	48.4	48.4	48.0	48.0	48.0	48.4	48.4	48.4	48.4	48.4	48.0
82.5°	38.8	39.1	39.3	38.7	39.3	39.1	38.8	39.4	39.7	39.1	39.3
85°	25.5	25.1	26.0	25.5	26.0	25.1	25.5	25.5	24.7	25.5	25.1
87.5°	17.3	16.7	16.8	17.2	16.8	16.7	17.3	16.6	16.4	16.2	15.8
90°	28.9	29.4	29.8	30.2	29.8	29.4	28.9	28.5	27.8	26.9	26.0
92.5°	41.5	41.3	41.0	40.7	41.0	41.3	41.5	41.8	41.6	40.9	40.2
95°	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.2	77.3	76.3
97.5°	121.3	121.2	121.1	121.0	121.1	121.2	121.3	121.3	120.9	119.9	118.8
100°	151.9	152.3	152.8	153.2	152.8	152.3	151.9	151.5	150.9	150.2	149.6
102.5°	186.5	186.4	186.4	186.3	186.4	186.4	186.5	186.6	186.3	185.7	185.0
105°	238.5	239.0	239.4	239.9	239.4	239.0	238.5	238.1	237.9	237.9	237.9
107.5°	296.6	296.3	296.0	295.8	296.0	296.3	296.6	296.8	296.6	295.9	295.2
110°	335.0	334.6	334.2	333.7	334.2	334.6	335.0	335.5	335.3	334.4	333.5



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	374.3	374.2	374.1	374.0	374.1	374.2	374.3	374.4	373.9	372.7	371.7
115°	430.1	429.9	429.7	429.4	429.7	429.9	430.1	430.3	430.3	430.1	429.9
117.5°	487.6	487.0	486.4	485.6	486.4	487.0	487.6	488.2	488.6	488.6	488.6
120°	526.5	526.1	525.6	525.2	525.6	526.1	526.5	526.9	527.4	527.6	527.8
122.5°	565.0	564.3	563.7	563.1	563.7	564.3	565.0	565.6	566.2	566.8	567.3
125°	622.7	621.8	620.9	620.0	620.9	621.8	622.7	623.5	624.4	625.3	626.2
127.5°	679.7	678.6	677.6	676.6	677.6	678.6	679.7	680.8	681.9	683.2	684.4
130°	718.4	716.8	715.3	713.7	715.3	716.8	718.4	719.9	721.2	722.1	723.0
132.5°	756.1	754.9	753.7	752.5	753.7	754.9	756.1	757.3	758.4	759.5	760.5
135°	813.9	813.3	812.9	812.5	812.9	813.3	813.9	814.3	815.0	815.9	816.8
137.5°	868.1	867.2	866.4	865.6	866.4	867.2	868.1	868.9	869.8	870.8	871.7
140°	904.9	903.3	901.8	900.2	901.8	903.3	904.9	906.5	907.4	907.6	907.8
142.5°	939.3	938.1	936.9	935.6	936.9	938.1	939.3	940.5	941.2	941.5	941.7
145°	989.6	988.7	987.7	986.8	987.7	988.7	989.6	990.5	991.0	991.3	991.5
147.5°	1036.5	1035.1	1033.8	1032.5	1033.8	1035.1	1036.5	1037.8	1038.5	1038.5	1038.5
150°	1065.5	1064.2	1062.8	1061.5	1062.8	1064.2	1065.5	1066.8	1067.5	1067.5	1067.5
152.5°	1093.2	1092.1	1090.9	1089.7	1090.9	1092.1	1093.2	1094.4	1094.8	1094.4	1094.1
155°	1132.8	1131.1	1129.5	1128.0	1129.5	1131.1	1132.8	1134.3	1134.6	1133.8	1132.9
157.5°	1166.7	1165.4	1164.2	1162.9	1164.2	1165.4	1166.7	1167.9	1168.1	1167.1	1166.2
160°	1188.2	1187.3	1186.4	1185.5	1186.4	1187.3	1188.2	1189.0	1188.9	1187.8	1186.7
162.5°	1206.7	1205.3	1203.9	1202.4	1203.9	1205.3	1206.7	1208.1	1208.3	1207.2	1206.1
165°	1231.5	1229.9	1228.4	1226.8	1228.4	1229.9	1231.5	1233.0	1233.1	1231.8	1230.5
167.5°	1251.7	1250.3	1249.0	1247.6	1249.0	1250.3	1251.7	1253.1	1253.1	1251.7	1250.3
170°	1262.7	1261.2	1259.6	1258.1	1259.6	1261.2	1262.7	1264.4	1264.4	1262.7	1261.2
172.5°	1270.8	1269.3	1267.7	1266.1	1267.7	1269.3	1270.8	1272.4	1272.4	1271.1	1269.7
175°	1279.9	1278.3	1276.8	1275.2	1276.8	1278.3	1279.9	1281.4	1281.6	1280.2	1278.9
177.5°	1283.8	1282.5	1281.3	1280.0	1281.3	1282.5	1283.8	1285.1	1285.2	1284.0	1283.0
180°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5
2.5°	862.4	866.8	871.1	875.0	881.3	884.0	888.1	889.6	894.2	901.1	906.7
5°	809.9	816.2	824.3	830.8	841.3	849.4	858.3	866.8	876.9	891.2	903.9
7.5°	765.5	771.5	781.3	793.6	805.1	816.6	828.8	840.3	854.7	875.3	895.5
10°	736.1	743.5	755.1	768.2	782.4	793.8	808.0	822.7	840.5	864.1	888.5
12.5°	710.7	716.2	729.6	742.1	758.3	772.6	786.7	803.9	824.2	849.3	878.6
15°	670.3	678.0	691.3	705.1	722.2	737.2	755.4	776.3	796.1	827.0	862.5
17.5°	629.8	641.6	655.2	671.0	683.6	704.4	724.1	745.5	769.8	802.6	841.6
20°	603.8	613.1	625.8	648.6	665.3	681.2	699.3	726.0	748.4	785.6	826.2
22.5°	581.8	588.7	602.9	621.8	641.2	659.4	678.0	703.5	731.1	766.4	810.4
25°	549.3	560.1	570.9	584.4	605.3	627.4	647.5	669.1	698.5	736.1	783.7
27.5°	517.5	527.3	538.0	554.6	570.5	591.1	612.1	636.9	668.4	708.1	756.4
30°	497.1	504.4	514.4	535.7	550.1	567.8	592.6	614.6	644.0	686.2	737.2
32.5°	475.9	485.5	496.4	512.8	530.5	547.3	570.0	593.9	623.9	665.4	717.7
35°	446.0	457.2	468.4	480.4	498.2	515.6	534.5	560.9	591.4	631.7	683.1
37.5°	418.4	427.4	436.6	451.4	468.3	484.8	502.5	528.5	557.2	600.7	647.8
40°	400.7	408.9	415.8	431.3	447.6	465.3	482.7	505.5	536.4	577.1	622.8
42.5°	381.5	389.0	398.5	411.1	428.7	443.6	461.1	482.6	511.7	553.0	593.0
45°	352.7	361.2	369.4	381.4	398.8	413.4	429.0	449.5	479.3	513.3	548.9
47.5°	322.9	331.3	340.6	352.2	367.4	382.3	397.8	416.0	443.1	476.6	500.5
50°	303.7	310.6	319.9	331.4	345.4	361.2	375.2	395.0	420.8	447.2	468.1
52.5°	283.9	290.1	300.7	313.0	325.9	339.6	354.5	371.4	394.9	419.6	436.2
55°	253.0	260.7	269.6	281.6	294.4	306.0	320.2	337.7	356.3	374.8	386.1
57.5°	224.1	230.6	238.0	250.4	261.5	275.3	288.1	301.7	318.9	332.9	340.2
60°	203.1	208.8	218.5	229.3	239.8	251.8	266.5	280.0	293.2	304.4	310.2
62.5°	183.3	190.0	198.4	208.3	219.7	231.1	243.9	255.3	266.9	276.6	280.5
65°	157.4	162.9	169.1	178.3	187.6	199.2	209.2	220.9	229.3	234.8	238.2
67.5°	133.9	137.4	142.2	148.3	157.5	167.6	177.4	186.4	193.6	197.2	200.4
70°	118.8	121.1	124.5	130.8	137.7	146.6	156.6	163.2	169.5	172.5	175.6
72.5°	103.6	106.5	109.7	114.6	120.4	126.8	134.1	142.2	145.6	149.3	151.2
75°	78.6	82.8	87.1	90.1	94.0	99.1	105.6	110.6	112.6	115.6	116.0
77.5°	59.3	60.2	63.3	67.2	70.4	74.0	78.2	82.7	83.6	85.2	86.2
80°	48.8	48.8	48.8	51.1	54.9	57.7	61.5	63.8	65.3	65.7	66.1
82.5°	39.2	39.2	38.9	39.3	40.7	42.1	45.7	48.4	49.6	49.4	48.5
85°	25.5	24.7	24.7	24.3	24.7	23.9	23.6	25.1	27.5	27.5	26.7
87.5°	15.6	15.0	14.7	13.8	13.0	12.1	10.7	10.5	10.1	10.9	10.1
90°	25.0	24.2	21.3	18.4	15.5	12.5	10.0	7.8	5.5	3.2	1.0
92.5°	39.4	38.7	37.1	35.3	33.7	32.1	30.5	29.0	27.5	26.0	24.4
95°	75.5	74.6	72.8	71.0	69.2	67.5	65.7	64.2	62.6	61.0	59.5
97.5°	117.8	116.7	115.4	114.1	112.8	111.5	110.3	109.2	108.0	106.8	105.6
100°	148.9	148.1	147.0	145.9	144.8	143.7	142.5	141.1	139.8	138.5	137.1
102.5°	184.3	183.7	182.2	180.7	179.3	177.7	176.6	175.8	175.0	174.2	173.4
105°	237.9	237.9	235.9	233.9	231.9	229.8	228.6	228.1	227.7	227.2	226.8
107.5°	294.5	293.8	293.0	292.2	291.3	290.5	290.0	289.7	289.4	289.2	288.9
110°	332.5	331.6	331.2	330.7	330.3	329.8	329.4	328.9	328.5	328.1	327.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	370.6	369.5	369.5	369.4	369.3	369.2	369.0	368.7	368.5	368.2	367.9
115°	429.7	429.4	429.9	430.3	430.8	431.2	431.1	430.4	429.8	429.1	428.4
117.5°	488.7	488.7	489.3	489.9	490.5	491.0	491.1	490.7	490.2	489.8	489.3
120°	528.0	528.3	529.4	530.5	531.6	532.7	532.6	531.3	529.9	528.6	527.3
122.5°	567.9	568.6	569.2	569.7	570.3	570.9	570.7	569.7	568.7	567.7	566.7
125°	627.1	628.0	628.4	628.9	629.3	629.9	629.7	629.0	628.3	627.7	627.0
127.5°	685.6	686.9	687.4	687.9	688.3	688.8	688.4	686.9	685.5	684.1	682.7
130°	723.9	724.8	725.5	726.1	726.8	727.5	726.9	725.1	723.4	721.5	719.7
132.5°	761.6	762.7	763.2	763.7	764.2	764.7	764.1	762.2	760.4	758.6	756.9
135°	817.7	818.5	818.8	819.0	819.2	819.4	818.9	817.5	816.2	814.9	813.5
137.5°	872.6	873.5	873.0	872.4	871.8	871.2	870.4	869.3	868.2	867.1	866.0
140°	908.1	908.3	908.1	907.8	907.6	907.4	906.7	905.5	904.4	903.3	902.2
142.5°	941.9	942.1	941.7	941.3	940.9	940.5	939.8	938.7	937.6	936.3	935.2
145°	991.7	991.9	991.3	990.6	989.9	989.3	988.7	988.3	987.7	987.3	986.8
147.5°	1038.5	1038.5	1037.8	1037.2	1036.6	1036.0	1035.3	1034.5	1033.7	1032.9	1032.1
150°	1067.5	1067.5	1067.1	1066.6	1066.2	1065.7	1065.3	1064.8	1064.4	1064.0	1063.5
152.5°	1093.7	1093.4	1093.1	1092.8	1092.6	1092.3	1091.8	1091.2	1090.6	1089.9	1089.3
155°	1132.0	1131.0	1130.8	1130.5	1130.3	1130.1	1130.0	1130.0	1130.0	1130.0	1130.0
157.5°	1165.3	1164.3	1164.2	1164.0	1163.8	1163.6	1163.7	1163.9	1164.2	1164.5	1164.7
160°	1185.6	1184.5	1184.5	1184.5	1184.5	1184.5	1184.7	1185.2	1185.6	1186.0	1186.5
162.5°	1205.0	1203.9	1203.7	1203.5	1203.3	1203.2	1203.4	1204.0	1204.6	1205.2	1205.9
165°	1229.1	1227.8	1227.8	1227.8	1227.8	1227.8	1228.2	1228.8	1229.5	1230.1	1230.8
167.5°	1249.0	1247.6	1247.4	1247.2	1247.1	1246.9	1247.2	1248.1	1249.0	1249.9	1250.8
170°	1259.6	1258.1	1258.1	1258.1	1258.1	1258.1	1258.5	1259.4	1260.3	1261.2	1262.1
172.5°	1268.3	1266.9	1266.9	1266.9	1266.9	1266.9	1267.4	1268.3	1269.2	1270.1	1270.9
175°	1277.6	1276.2	1276.2	1276.2	1276.2	1276.2	1276.7	1277.6	1278.4	1279.3	1280.2
177.5°	1281.9	1280.8	1280.8	1280.8	1280.8	1280.8	1281.2	1281.9	1282.6	1283.3	1284.0
180°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2



TEST NUMBER: P332289-840

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5
2.5°	908.5	911.9	916.3	922.7	927.7	932.0	932.9	934.2	937.3	942.5	946.5
5°	914.4	923.3	937.6	951.5	966.6	979.0	990.6	998.8	1006.4	1022.7	1035.8
7.5°	912.5	932.3	954.7	979.8	1005.0	1029.6	1052.3	1072.7	1093.0	1116.6	1143.6
10°	911.3	934.5	964.6	996.7	1032.0	1066.4	1099.6	1125.6	1155.8	1182.9	1217.3
12.5°	905.4	938.9	974.9	1015.9	1059.2	1098.9	1142.7	1178.5	1212.9	1252.1	1292.1
15°	897.8	938.4	984.0	1038.5	1104.3	1152.3	1197.1	1259.4	1301.9	1344.5	1401.8
17.5°	883.7	933.3	990.4	1061.2	1116.1	1180.5	1248.0	1297.3	1354.5	1414.5	1466.3
20°	872.6	930.3	994.1	1063.7	1133.7	1203.8	1269.1	1327.9	1387.0	1456.3	1498.8
22.5°	861.5	918.5	984.8	1058.7	1134.0	1207.7	1281.7	1350.8	1417.3	1487.2	1541.6
25°	837.8	905.4	977.4	1052.9	1127.1	1208.3	1296.6	1373.5	1455.9	1527.8	1579.3
27.5°	813.9	875.9	947.5	1024.0	1106.5	1202.5	1306.3	1393.8	1476.3	1527.8	1544.0
30°	792.1	857.9	923.6	1001.4	1090.8	1197.9	1308.2	1408.4	1476.0	1498.4	1481.8
32.5°	770.2	829.8	894.9	974.5	1069.4	1186.5	1310.6	1399.7	1440.5	1423.3	1355.5
35°	731.4	785.2	848.3	928.0	1037.0	1180.1	1300.4	1360.8	1350.7	1253.9	1126.3
37.5°	689.9	733.8	792.1	875.5	1003.4	1155.0	1256.5	1265.4	1178.3	1029.9	882.4
40°	657.1	696.6	756.6	843.6	977.4	1130.2	1212.2	1176.3	1041.3	876.1	753.1
42.5°	625.3	658.5	716.3	810.2	952.7	1096.5	1146.3	1067.9	912.2	756.0	644.2
45°	571.3	602.6	660.7	757.0	902.0	1032.0	1025.4	889.3	733.4	607.6	514.8
47.5°	520.1	547.4	602.0	700.2	842.5	935.2	873.7	728.9	596.6	495.8	429.6
50°	483.9	511.0	565.1	662.2	794.9	862.5	774.8	635.1	514.0	430.5	377.9
52.5°	449.2	475.6	525.2	619.8	737.3	777.8	683.5	554.0	453.1	381.0	335.8
55°	400.7	420.8	465.3	555.8	643.6	652.9	557.3	449.1	365.9	315.6	284.7
57.5°	351.3	368.6	412.5	484.6	546.2	541.4	450.8	357.2	301.1	263.8	241.4
60°	319.1	336.1	374.8	436.7	483.1	466.9	383.7	308.3	260.3	232.9	215.1
62.5°	289.1	302.4	338.6	383.7	417.2	398.8	328.0	265.6	227.5	204.4	190.3
65°	245.6	256.4	285.5	309.0	327.6	309.8	251.1	207.7	180.3	164.0	154.3
67.5°	204.3	211.2	229.5	238.0	251.2	231.7	188.7	159.8	144.1	130.5	123.7
70°	178.3	183.4	193.0	200.0	203.5	183.4	151.6	130.4	117.2	107.6	103.3
72.5°	152.3	156.7	158.6	164.4	162.6	143.7	121.9	105.0	95.5	89.0	83.5
75°	116.4	118.4	116.4	114.1	109.1	95.9	80.9	72.3	65.3	62.3	60.4
77.5°	84.8	84.2	81.6	78.0	69.4	61.1	53.0	50.1	47.2	45.4	44.8
80°	65.3	63.8	61.5	55.7	48.4	42.5	40.6	38.7	37.6	35.5	35.2
82.5°	48.7	47.8	43.8	39.0	33.8	31.1	29.5	28.8	27.6	26.7	26.6
85°	26.0	24.7	20.5	17.8	17.1	16.3	15.9	15.9	14.3	13.9	13.9
87.5°	9.0	7.6	7.8	7.3	7.8	7.8	8.6	8.6	8.9	9.4	8.9
90°	3.2	5.5	7.8	10.0	12.5	15.5	18.4	21.3	24.2	25.0	26.0
92.5°	26.0	27.5	29.0	30.5	32.1	33.7	35.3	37.1	38.7	39.4	40.2
95°	61.0	62.6	64.2	65.7	67.5	69.2	71.0	72.8	74.6	75.5	76.3
97.5°	106.8	108.0	109.2	110.3	111.5	112.8	114.1	115.4	116.7	117.8	118.8
100°	138.5	139.8	141.1	142.5	143.7	144.8	145.9	147.0	148.1	148.9	149.6
102.5°	174.2	175.0	175.8	176.6	177.7	179.3	180.7	182.2	183.7	184.3	185.0
105°	227.2	227.7	228.1	228.6	229.8	231.9	233.9	235.9	237.9	237.9	237.9
107.5°	289.2	289.4	289.7	290.0	290.5	291.3	292.2	293.0	293.8	294.5	295.2
110°	328.1	328.5	328.9	329.4	329.8	330.3	330.7	331.2	331.6	332.5	333.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	368.2	368.5	368.7	369.0	369.2	369.3	369.4	369.5	369.5	370.6	371.7
115°	429.1	429.8	430.4	431.1	431.2	430.8	430.3	429.9	429.4	429.7	429.9
117.5°	489.8	490.2	490.7	491.1	491.0	490.5	489.9	489.3	488.7	488.7	488.6
120°	528.6	529.9	531.3	532.6	532.7	531.6	530.5	529.4	528.3	528.0	527.8
122.5°	567.7	568.7	569.7	570.7	570.9	570.3	569.7	569.2	568.6	567.9	567.3
125°	627.7	628.3	629.0	629.7	629.9	629.3	628.9	628.4	628.0	627.1	626.2
127.5°	684.1	685.5	686.9	688.4	688.8	688.3	687.9	687.4	686.9	685.6	684.4
130°	721.5	723.4	725.1	726.9	727.5	726.8	726.1	725.5	724.8	723.9	723.0
132.5°	758.6	760.4	762.2	764.1	764.7	764.2	763.7	763.2	762.7	761.6	760.5
135°	814.9	816.2	817.5	818.9	819.4	819.2	819.0	818.8	818.5	817.7	816.8
137.5°	867.1	868.2	869.3	870.4	871.2	871.8	872.4	873.0	873.5	872.6	871.7
140°	903.3	904.4	905.5	906.7	907.4	907.6	907.8	908.1	908.3	908.1	907.8
142.5°	936.3	937.6	938.7	939.8	940.5	940.9	941.3	941.7	942.1	941.9	941.7
145°	987.3	987.7	988.3	988.7	989.3	989.9	990.6	991.3	991.9	991.7	991.5
147.5°	1032.9	1033.7	1034.5	1035.3	1036.0	1036.6	1037.2	1037.8	1038.5	1038.5	1038.5
150°	1064.0	1064.4	1064.8	1065.3	1065.7	1066.2	1066.6	1067.1	1067.5	1067.5	1067.5
152.5°	1089.9	1090.6	1091.2	1091.8	1092.3	1092.6	1092.8	1093.1	1093.4	1093.7	1094.1
155°	1130.0	1130.0	1130.0	1130.0	1130.1	1130.3	1130.5	1130.8	1131.0	1132.0	1132.9
157.5°	1164.5	1164.2	1163.9	1163.7	1163.6	1163.8	1164.0	1164.2	1164.3	1165.3	1166.2
160°	1186.0	1185.6	1185.2	1184.7	1184.5	1184.5	1184.5	1184.5	1184.5	1185.6	1186.7
162.5°	1205.2	1204.6	1204.0	1203.4	1203.2	1203.3	1203.5	1203.7	1203.9	1205.0	1206.1
165°	1230.1	1229.5	1228.8	1228.2	1227.8	1227.8	1227.8	1227.8	1227.8	1229.1	1230.5
167.5°	1249.9	1249.0	1248.1	1247.2	1246.9	1247.1	1247.2	1247.4	1247.6	1249.0	1250.3
170°	1261.2	1260.3	1259.4	1258.5	1258.1	1258.1	1258.1	1258.1	1258.1	1259.6	1261.2
172.5°	1270.1	1269.2	1268.3	1267.4	1266.9	1266.9	1266.9	1266.9	1266.9	1268.3	1269.7
175°	1279.3	1278.4	1277.6	1276.7	1276.2	1276.2	1276.2	1276.2	1276.2	1277.6	1278.9
177.5°	1283.3	1282.6	1281.9	1281.2	1280.8	1280.8	1280.8	1280.8	1280.8	1281.9	1283.0
180°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	903.5	903.5	903.5	903.5	903.5	903.5	903.5
2.5°	953.1	953.1	954.3	959.0	959.6	963.6	962.3
5°	1047.4	1054.8	1057.5	1069.1	1076.1	1079.1	1073.0
7.5°	1162.9	1183.6	1193.5	1205.6	1216.3	1219.6	1211.1
10°	1247.1	1268.7	1286.9	1298.1	1308.6	1315.5	1324.4
12.5°	1328.4	1355.0	1372.3	1388.2	1398.9	1407.8	1409.2
15°	1416.8	1457.0	1487.6	1510.1	1521.3	1527.1	1524.8
17.5°	1506.0	1543.3	1565.1	1587.9	1603.5	1604.3	1604.8
20°	1556.5	1592.9	1618.0	1635.0	1652.4	1651.6	1655.5
22.5°	1590.2	1618.8	1638.1	1650.4	1656.4	1653.5	1654.3
25°	1606.0	1614.5	1611.0	1591.2	1586.3	1568.1	1571.1
27.5°	1524.6	1484.4	1442.8	1389.2	1347.0	1313.2	1314.9
30°	1414.1	1342.9	1261.7	1193.7	1132.6	1115.5	1079.1
32.5°	1259.7	1153.0	1057.8	994.4	941.9	927.7	896.0
35°	997.9	894.2	796.4	737.6	714.4	682.0	681.6
37.5°	775.7	684.4	632.7	588.5	565.4	545.7	543.8
40°	652.6	581.4	542.3	510.6	487.8	473.0	469.6
42.5°	566.5	509.0	472.3	452.7	435.2	427.6	421.9
45°	462.6	423.9	398.4	380.6	372.4	366.7	363.6
47.5°	387.0	361.0	343.7	331.8	325.2	319.1	320.7
50°	345.8	324.6	311.7	300.5	295.5	291.2	291.6
52.5°	312.7	293.6	283.3	275.2	268.9	265.9	264.4
55°	265.4	253.4	242.9	237.1	233.6	229.3	228.2
57.5°	226.3	217.0	208.5	202.0	201.2	197.0	197.5
60°	200.4	192.6	185.6	182.2	179.5	176.0	177.1
62.5°	179.0	172.5	166.1	163.3	160.6	158.0	158.5
65°	146.6	140.4	136.5	135.0	133.8	132.7	131.5
67.5°	116.8	113.0	110.6	107.2	104.9	104.5	103.3
70°	98.3	93.2	89.0	84.7	83.5	83.1	83.5
72.5°	78.8	75.5	74.4	72.3	72.1	71.1	71.8
75°	59.2	58.1	57.3	55.7	55.7	55.7	55.7
77.5°	43.6	42.9	42.5	42.1	41.8	41.2	41.2
80°	34.0	33.6	32.9	32.9	32.5	32.9	32.5
82.5°	25.7	25.7	24.8	24.8	24.4	24.2	24.4
85°	13.1	12.7	13.5	12.7	13.1	12.4	13.1
87.5°	9.1	9.3	9.1	9.2	9.0	9.7	9.2
90°	26.9	27.8	28.5	28.9	29.4	29.8	30.2
92.5°	40.9	41.6	41.8	41.5	41.3	41.0	40.7
95°	77.3	78.2	78.7	78.7	78.7	78.7	78.7
97.5°	119.9	120.9	121.3	121.3	121.2	121.1	121.0
100°	150.2	150.9	151.5	151.9	152.3	152.8	153.2
102.5°	185.7	186.3	186.6	186.5	186.4	186.4	186.3
105°	237.9	237.9	238.1	238.5	239.0	239.4	239.9
107.5°	295.9	296.6	296.8	296.6	296.3	296.0	295.8
110°	334.4	335.3	335.5	335.0	334.6	334.2	333.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	372.7	373.9	374.4	374.3	374.2	374.1	374.0
115°	430.1	430.3	430.3	430.1	429.9	429.7	429.4
117.5°	488.6	488.6	488.2	487.6	487.0	486.4	485.6
120°	527.6	527.4	526.9	526.5	526.1	525.6	525.2
122.5°	566.8	566.2	565.6	565.0	564.3	563.7	563.1
125°	625.3	624.4	623.5	622.7	621.8	620.9	620.0
127.5°	683.2	681.9	680.8	679.7	678.6	677.6	676.6
130°	722.1	721.2	719.9	718.4	716.8	715.3	713.7
132.5°	759.5	758.4	757.3	756.1	754.9	753.7	752.5
135°	815.9	815.0	814.3	813.9	813.3	812.9	812.5
137.5°	870.8	869.8	868.9	868.1	867.2	866.4	865.6
140°	907.6	907.4	906.5	904.9	903.3	901.8	900.2
142.5°	941.5	941.2	940.5	939.3	938.1	936.9	935.6
145°	991.3	991.0	990.5	989.6	988.7	987.7	986.8
147.5°	1038.5	1038.5	1037.8	1036.5	1035.1	1033.8	1032.5
150°	1067.5	1067.5	1066.8	1065.5	1064.2	1062.8	1061.5
152.5°	1094.4	1094.8	1094.4	1093.2	1092.1	1090.9	1089.7
155°	1133.8	1134.6	1134.3	1132.8	1131.1	1129.5	1128.0
157.5°	1167.1	1168.1	1167.9	1166.7	1165.4	1164.2	1162.9
160°	1187.8	1188.9	1189.0	1188.2	1187.3	1186.4	1185.5
162.5°	1207.2	1208.3	1208.1	1206.7	1205.3	1203.9	1202.4
165°	1231.8	1233.1	1233.0	1231.5	1229.9	1228.4	1226.8
167.5°	1251.7	1253.1	1253.1	1251.7	1250.3	1249.0	1247.6
170°	1262.7	1264.4	1264.4	1262.7	1261.2	1259.6	1258.1
172.5°	1271.1	1272.4	1272.4	1270.8	1269.3	1267.7	1266.1
175°	1280.2	1281.6	1281.4	1279.9	1278.3	1276.8	1275.2
177.5°	1284.0	1285.2	1285.1	1283.8	1282.5	1281.3	1280.0
180°	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2	1283.2

(END OF REPORT)