

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: P333389-940

Luminaire Tested: **S125DIW-S610D1340U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333389-940
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: S125DIW-S610D1340U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6402.8 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

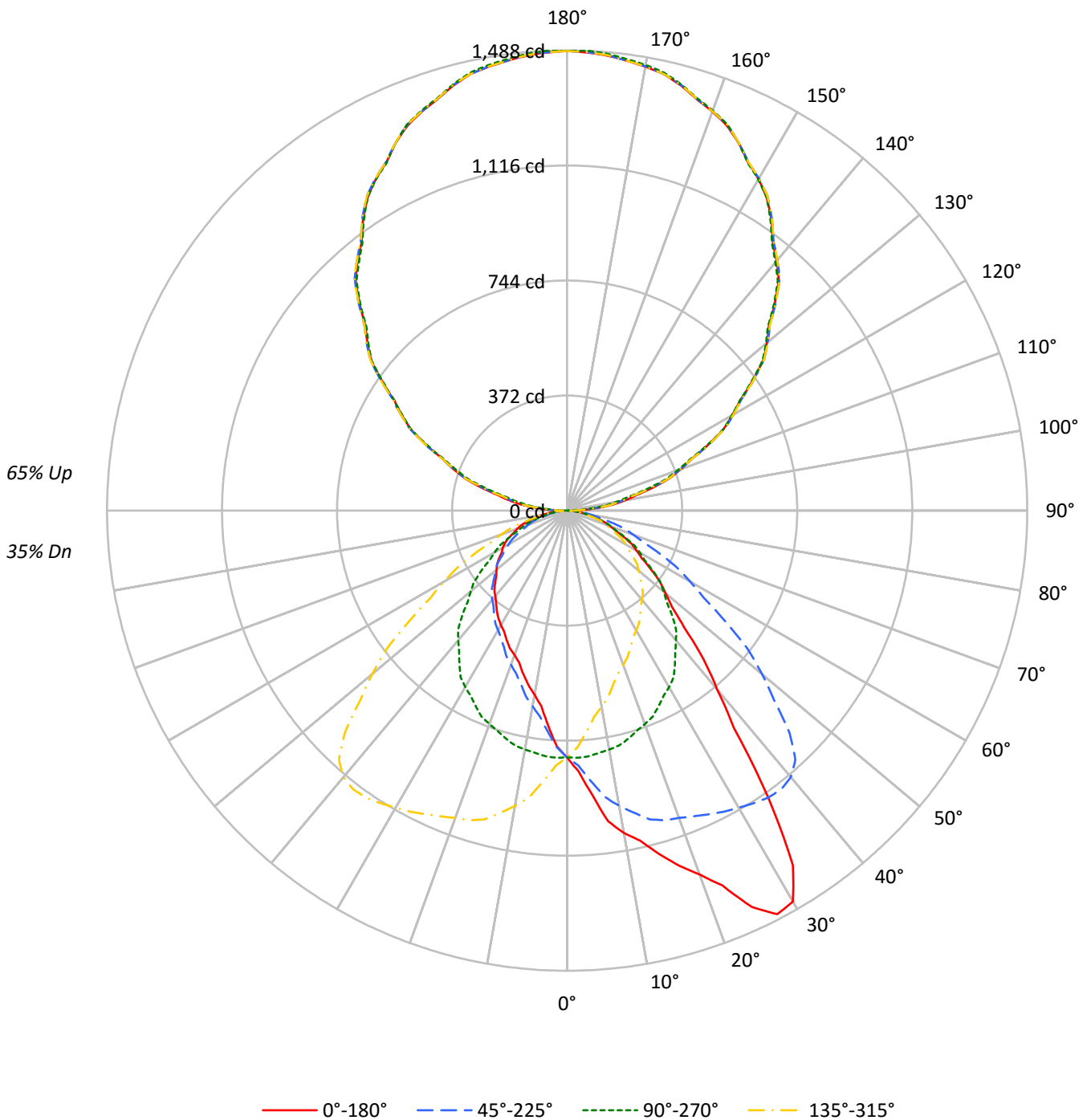
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	67	63	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	59	50	43	38	41	36	32	32	28	26	24	22	20	16
6	61	49	41	36	55	45	38	33	37	31	28	29	25	22	22	19	17	14
7	56	44	36	31	51	40	34	29	33	28	24	26	23	20	20	17	15	13
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	28	23	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5154	5154	5154	5154
5°	5969	5172	4528	5172
10°	6944	5145	3968	5145
15°	7687	5107	3660	5107
20°	8605	5047	3413	5047
25°	10080	4980	3293	4980
30°	10888	4914	3188	4914
35°	8952	4788	3120	4788
40°	6363	4615	3044	4615
45°	4888	4381	3001	4381
50°	4173	4091	2995	4091
55°	3715	3806	3021	3806
60°	3352	3495	3099	3495
65°	3096	3183	3177	3183
70°	2814	2859	3225	2859
75°	2485	2518	3194	2518
80°	2094	2053	2923	2053
85°	1660	1482	2356	1482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	1.2
10°-20°	228.8	3.6
20°-30°	371.4	5.8
30°-40°	453.1	7.1
40°-50°	412.2	6.4
50°-60°	328.3	5.1
60°-70°	228.7	3.6
70°-80°	121.9	1.9
80°-90°	34.0	0.5
90°-100°	99.5	1.6
100°-110°	294.0	4.6
110°-120°	497.9	7.8
120°-130°	655.3	10.2
130°-140°	734.3	11.5
140°-150°	719.7	11.2
150°-160°	604.5	9.4
160°-170°	401.8	6.3
170°-180°	140.6	2.2
0°-30°	677.0	10.6
0°-40°	1130.1	17.7
0°-60°	1870.6	29.2
0°-90°	2255.3	35.2
90°-120°	891.4	13.9
90°-150°	3000.7	46.9
90°-180°	4148.0	64.8
0°-180°	6402.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	798	798	798	798	798	
5°	921	798	698	798	921	93
15°	1150	764	547	764	1150	329
25°	1415	699	462	699	1415	646
35°	1135	607	396	607	1135	695
45°	535	480	329	480	535	428
55°	330	338	268	338	330	297
65°	203	208	208	208	203	201
75°	100	101	128	101	100	107
85°	22	20	32	20	22	27
90°	28	1	28	1	28	17
95°	100	75	100	75	100	101
105°	287	264	287	264	287	304
115°	503	499	503	499	503	498
125°	732	728	732	728	732	654
135°	950	946	950	946	950	733
145°	1151	1146	1151	1146	1151	718
155°	1312	1312	1312	1312	1312	604
165°	1423	1426	1423	1426	1423	401
175°	1477	1483	1477	1483	1477	140
180°	1486	1486	1486	1486	1486	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	844.2	843.0	842.0	839.8	841.4	836.8	834.6	830.9	826.3	824.7	822.7
5°	920.7	922.4	924.1	916.9	917.7	912.9	902.1	893.2	886.2	877.0	870.6
7.5°	1012.8	1008.8	1008.5	1003.9	996.0	989.6	978.2	963.7	949.7	933.7	920.5
10°	1058.9	1059.3	1056.2	1050.8	1042.3	1036.2	1021.3	1007.1	989.8	969.5	954.9
12.5°	1093.6	1095.0	1091.2	1083.9	1079.7	1066.0	1054.4	1037.4	1016.9	1000.7	978.5
15°	1149.7	1145.9	1143.3	1134.1	1126.9	1112.8	1094.1	1076.5	1054.2	1033.5	1012.8
17.5°	1203.7	1206.8	1201.7	1193.3	1171.3	1154.6	1129.6	1105.5	1077.6	1050.0	1025.3
20°	1252.0	1254.7	1246.9	1232.3	1205.9	1189.3	1156.5	1125.2	1093.1	1057.6	1030.5
22.5°	1312.2	1310.0	1299.5	1277.3	1254.5	1223.7	1188.2	1150.2	1109.9	1069.7	1033.7
25°	1414.6	1400.3	1393.9	1366.5	1336.3	1291.3	1242.5	1187.0	1136.8	1083.6	1037.6
27.5°	1471.3	1466.9	1459.7	1440.6	1408.9	1360.8	1303.2	1235.6	1164.8	1097.7	1037.3
30°	1460.0	1460.6	1461.3	1455.2	1434.9	1398.6	1341.4	1268.5	1184.5	1109.0	1039.3
32.5°	1359.1	1371.5	1383.3	1397.2	1402.9	1396.0	1360.1	1294.3	1207.9	1122.0	1038.1
35°	1135.4	1139.2	1177.5	1215.4	1266.9	1306.9	1333.6	1304.5	1231.6	1133.1	1036.9
37.5°	885.3	903.7	930.1	973.0	1047.3	1113.8	1199.4	1238.8	1215.2	1136.7	1034.5
40°	754.7	771.7	788.9	832.6	895.3	975.9	1073.1	1156.1	1175.5	1125.2	1026.4
42.5°	653.9	667.4	686.5	719.3	771.7	843.1	936.0	1044.5	1111.2	1092.3	1009.3
45°	535.2	543.7	558.6	584.7	622.6	678.5	760.5	879.0	982.3	1016.6	968.8
47.5°	458.1	458.1	469.7	487.7	515.1	562.5	623.1	716.0	826.3	908.0	904.2
50°	415.3	413.6	422.8	438.4	460.0	491.5	549.5	623.7	729.7	822.2	847.8
52.5°	378.4	378.6	384.2	395.7	413.9	440.9	484.1	551.0	641.6	736.5	785.0
55°	329.9	328.6	335.0	342.8	356.1	373.6	404.8	455.9	529.4	622.9	685.9
57.5°	285.5	289.2	291.8	297.2	308.2	319.9	346.3	383.8	442.1	522.4	589.0
60°	259.5	263.2	265.2	270.6	279.5	289.6	310.0	340.5	389.6	458.7	524.7
62.5°	236.1	239.1	239.8	244.6	251.8	261.7	277.7	303.3	342.1	402.5	467.3
65°	202.6	202.6	203.9	209.0	212.4	221.2	233.4	252.0	283.2	330.3	385.5
67.5°	170.1	171.8	171.5	173.7	176.8	183.7	192.4	207.8	230.9	265.2	309.4
70°	149.0	150.4	150.1	151.8	155.2	159.5	166.7	181.2	197.8	227.3	265.2
72.5°	130.1	130.6	129.7	132.0	134.0	137.9	145.8	153.6	169.1	193.9	225.2
75°	99.6	100.2	100.9	102.3	104.3	106.4	110.4	118.2	128.4	147.0	167.0
77.5°	74.6	73.4	75.0	74.8	76.0	77.5	81.1	85.2	93.5	105.3	120.8
80°	56.3	56.5	56.5	56.9	58.6	59.7	62.7	65.7	72.1	81.0	91.8
82.5°	41.0	41.9	41.4	42.0	43.4	44.1	45.8	48.3	52.1	59.0	66.9
85°	22.4	20.7	21.3	22.0	22.0	22.4	23.7	24.7	26.8	29.4	32.5
87.5°	12.0	12.5	12.6	12.4	12.5	12.3	13.1	12.9	13.5	14.0	14.7
90°	27.7	27.0	26.2	25.4	24.7	23.6	22.4	21.0	19.8	18.5	16.7
92.5°	54.6	54.0	53.5	52.9	52.3	51.2	49.5	47.8	46.1	44.4	42.2
95°	99.5	99.0	98.4	97.9	97.4	96.3	94.4	92.6	90.9	89.1	86.5
97.5°	150.9	150.5	150.3	149.9	149.6	148.6	146.9	145.2	143.5	141.8	138.3
100°	189.7	189.2	188.7	188.2	187.6	186.2	183.9	181.6	179.3	177.0	173.6
102.5°	228.5	227.8	227.1	226.4	225.7	224.1	221.5	219.0	216.5	214.0	212.3
105°	286.9	286.1	285.3	284.5	283.7	282.6	281.1	279.6	278.0	276.4	274.9
107.5°	346.5	346.6	346.6	346.7	346.8	346.4	345.6	344.8	344.1	343.3	342.1
110°	390.9	391.2	391.5	391.7	392.0	391.7	390.9	390.2	389.4	388.6	387.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	434.4	434.9	435.4	435.9	436.3	436.3	436.0	435.6	435.2	434.9	433.9
115°	503.2	503.5	503.6	503.9	504.2	504.4	504.7	505.0	505.2	505.5	505.0
117.5°	570.2	571.3	572.3	573.4	574.4	574.8	574.5	574.4	574.2	574.0	573.5
120°	616.5	617.5	618.6	619.6	620.6	621.2	621.2	621.2	621.2	621.2	620.9
122.5°	662.8	663.6	664.4	665.2	666.1	666.6	666.8	667.0	667.2	667.4	666.7
125°	732.2	732.5	732.7	733.0	733.3	733.6	734.1	734.6	735.1	735.7	735.4
127.5°	798.8	799.3	799.9	800.4	800.8	801.3	801.5	801.7	802.0	802.3	802.0
130°	843.2	843.7	844.3	844.8	845.3	845.7	846.0	846.1	846.4	846.7	846.1
132.5°	884.8	885.6	886.3	887.1	887.8	888.2	888.5	888.8	889.0	889.3	889.4
135°	949.7	950.7	951.7	952.7	953.8	954.3	954.3	954.3	954.3	954.3	954.0
137.5°	1013.1	1014.3	1015.6	1016.9	1018.2	1018.7	1018.3	1018.1	1017.7	1017.4	1016.9
140°	1053.7	1055.1	1056.3	1057.6	1058.9	1059.3	1058.7	1058.3	1057.7	1057.2	1056.4
142.5°	1092.6	1093.9	1095.2	1096.4	1097.8	1098.2	1098.0	1097.6	1097.3	1097.0	1096.0
145°	1150.9	1151.6	1152.4	1153.2	1154.0	1154.4	1154.4	1154.4	1154.4	1154.4	1153.6
147.5°	1200.7	1202.4	1204.2	1205.9	1207.6	1208.2	1207.6	1206.9	1206.4	1205.8	1205.1
150°	1237.7	1238.1	1238.7	1239.2	1239.7	1240.0	1240.0	1240.0	1240.0	1240.0	1238.9
152.5°	1268.2	1269.1	1270.1	1271.0	1271.9	1272.0	1271.4	1270.8	1270.2	1269.6	1269.2
155°	1311.7	1313.0	1314.3	1315.5	1316.8	1317.0	1315.9	1314.9	1313.8	1312.9	1312.6
157.5°	1348.0	1349.7	1351.4	1353.1	1354.8	1355.1	1354.1	1353.1	1352.0	1351.0	1350.8
160°	1373.0	1374.3	1375.6	1376.9	1378.1	1378.2	1377.2	1376.2	1375.2	1374.1	1373.9
162.5°	1394.3	1395.8	1397.2	1398.7	1400.3	1400.3	1399.1	1397.9	1396.7	1395.4	1395.3
165°	1422.7	1424.2	1425.8	1427.4	1428.9	1429.1	1428.2	1427.1	1426.1	1425.0	1424.8
167.5°	1445.4	1447.0	1448.6	1450.2	1451.8	1451.8	1450.3	1448.8	1447.2	1445.6	1445.6
170°	1457.4	1459.2	1461.1	1462.9	1464.6	1464.7	1463.2	1461.7	1460.2	1458.6	1458.6
172.5°	1467.6	1469.2	1470.8	1472.4	1474.0	1474.0	1472.5	1471.0	1469.4	1467.8	1467.8
175°	1477.1	1478.9	1480.7	1482.5	1484.3	1484.4	1482.9	1481.3	1479.8	1478.3	1478.3
177.5°	1482.6	1484.1	1485.5	1486.9	1488.4	1488.5	1487.3	1486.0	1484.8	1483.5	1483.8
180°	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	821.1	819.2	817.1	813.2	808.6	806.2	802.5	800.0	795.0	791.0	786.7
5°	862.7	854.0	845.9	835.4	823.9	816.4	807.5	797.7	787.6	777.0	765.5
7.5°	905.9	890.4	873.4	855.2	837.4	821.0	805.3	790.0	775.6	758.2	743.5
10°	935.0	915.3	894.3	869.5	845.5	824.5	803.2	784.5	765.5	745.2	727.3
12.5°	963.9	937.7	908.1	880.9	852.0	826.7	801.6	777.8	753.9	731.4	710.5
15°	984.4	961.4	933.9	895.3	862.7	827.9	794.7	763.8	735.0	710.0	683.6
17.5°	997.8	968.2	938.7	901.7	859.1	820.0	782.4	747.2	714.7	682.9	657.5
20°	1000.3	969.8	939.0	902.8	859.1	814.3	776.8	734.4	699.5	666.6	635.4
22.5°	999.5	964.9	931.4	894.0	851.5	810.3	764.8	721.7	683.8	651.5	618.9
25°	991.8	954.9	912.9	875.3	833.3	789.6	743.5	698.8	660.2	623.3	591.1
27.5°	985.4	937.5	890.0	846.1	805.6	765.5	721.5	675.6	632.8	595.4	565.1
30°	977.6	925.1	871.6	825.8	784.2	745.2	703.6	658.9	614.1	577.6	545.0
32.5°	970.5	909.4	852.9	803.1	759.0	721.1	682.7	640.2	596.3	559.1	526.6
35°	957.0	886.2	821.4	765.2	718.1	679.2	647.0	607.3	567.0	531.1	500.0
37.5°	939.7	855.7	786.2	727.3	675.6	634.6	604.7	574.3	535.6	501.0	472.8
40°	926.1	834.0	760.5	700.2	646.7	604.0	576.2	547.4	515.2	483.0	453.3
42.5°	909.0	814.5	734.4	669.6	616.6	575.0	545.8	521.4	493.0	463.0	435.3
45°	877.7	779.1	692.4	622.6	569.1	528.1	497.9	479.7	458.3	429.9	406.5
47.5°	831.5	736.6	646.9	574.9	519.7	481.7	453.4	435.9	420.9	399.8	378.5
50°	790.6	704.9	614.1	542.7	487.4	449.2	423.1	407.2	394.3	378.0	360.1
52.5°	744.8	665.0	581.9	511.2	456.6	418.8	393.2	379.2	368.5	356.9	339.2
55°	672.1	604.3	527.1	460.0	409.6	372.6	350.3	338.0	329.2	320.5	309.6
57.5°	591.9	539.0	470.5	409.2	362.7	329.1	308.3	296.4	289.5	285.0	278.7
60°	535.6	490.2	431.2	375.3	329.9	300.1	279.8	270.6	264.9	261.2	256.5
62.5°	483.2	445.9	391.4	340.4	300.7	272.5	254.3	245.5	240.0	238.2	234.2
65°	406.2	377.4	332.3	290.0	256.1	232.0	216.8	208.3	204.9	202.9	203.2
67.5°	330.2	312.6	276.5	240.4	213.3	193.1	180.9	174.4	172.7	170.0	170.0
70°	283.8	270.6	240.1	208.7	184.6	169.1	158.2	151.4	149.7	148.4	148.0
72.5°	242.9	231.4	204.9	179.7	158.1	144.4	135.5	131.3	128.6	127.8	127.7
75°	182.6	176.1	155.2	135.2	120.3	110.8	104.7	100.9	98.9	98.5	98.9
77.5°	129.8	124.2	110.8	96.7	87.3	80.1	74.9	73.7	71.3	71.4	71.1
80°	97.6	93.8	85.3	74.2	66.4	60.3	57.6	55.2	54.6	53.5	54.6
82.5°	70.7	66.7	61.0	53.9	47.4	43.8	41.0	40.3	39.9	39.4	39.6
85°	34.9	35.2	31.8	26.4	23.7	21.7	20.0	20.0	19.6	19.4	19.6
87.5°	14.9	14.0	12.6	11.3	9.6	8.4	7.7	7.6	7.1	7.3	7.9
90°	14.9	13.1	11.3	9.4	7.3	5.3	3.2	1.2	3.2	5.3	7.3
92.5°	40.0	37.8	35.6	33.7	32.3	30.9	29.4	28.0	29.4	30.9	32.3
95°	83.9	81.3	78.8	77.2	76.7	76.2	75.7	75.2	75.7	76.2	76.7
97.5°	134.7	131.2	127.6	125.7	125.6	125.4	125.1	124.9	125.1	125.4	125.6
100°	170.3	166.9	163.6	161.9	161.9	161.9	161.9	161.9	161.9	161.9	161.9
102.5°	210.6	208.9	207.2	205.8	204.8	203.8	202.8	201.7	202.8	203.8	204.8
105°	273.4	271.8	270.3	268.9	267.6	266.3	265.0	263.8	265.0	266.3	267.6
107.5°	340.9	339.7	338.6	337.3	336.1	334.7	333.5	332.2	333.5	334.7	336.1
110°	387.1	386.4	385.6	384.5	383.3	382.0	380.7	379.4	380.7	382.0	383.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	432.9	431.9	431.1	430.2	429.5	428.8	428.2	427.5	428.2	428.8	429.5
115°	504.4	503.9	503.5	502.7	501.6	500.6	499.5	498.6	499.5	500.6	501.6
117.5°	573.0	572.6	572.1	571.7	571.1	570.7	570.2	569.8	570.2	570.7	571.1
120°	620.6	620.4	620.1	619.4	618.0	616.8	615.5	614.2	615.5	616.8	618.0
122.5°	666.1	665.4	664.8	664.1	663.7	663.3	662.8	662.4	662.8	663.3	663.7
125°	735.1	734.9	734.6	733.7	732.2	730.7	729.1	727.5	729.1	730.7	732.2
127.5°	801.6	801.4	801.0	800.5	799.6	798.7	797.8	796.9	797.8	798.7	799.6
130°	845.7	845.2	844.6	843.7	842.5	841.2	839.9	838.6	839.9	841.2	842.5
132.5°	889.5	889.6	889.7	888.7	886.5	884.5	882.3	880.2	882.3	884.5	886.5
135°	953.8	953.5	953.2	952.3	950.8	949.2	947.7	946.2	947.7	949.2	950.8
137.5°	1016.3	1015.7	1015.1	1014.1	1012.6	1011.2	1009.7	1008.2	1009.7	1011.2	1012.6
140°	1055.7	1054.9	1054.1	1053.1	1051.9	1050.5	1049.3	1047.9	1049.3	1050.5	1051.9
142.5°	1095.0	1094.0	1093.1	1092.1	1091.0	1089.9	1088.9	1087.8	1088.9	1089.9	1091.0
145°	1152.8	1152.1	1151.3	1150.4	1149.3	1148.3	1147.3	1146.3	1147.3	1148.3	1149.3
147.5°	1204.5	1203.9	1203.3	1202.7	1202.1	1201.6	1201.0	1200.4	1201.0	1201.6	1202.1
150°	1238.0	1236.9	1235.8	1235.5	1235.7	1236.0	1236.3	1236.5	1236.3	1236.0	1235.7
152.5°	1268.7	1268.4	1267.9	1267.6	1267.2	1266.9	1266.5	1266.1	1266.5	1266.9	1267.2
155°	1312.3	1312.1	1311.8	1311.7	1311.7	1311.7	1311.7	1311.7	1311.7	1311.7	1311.7
157.5°	1350.5	1350.2	1350.0	1350.1	1350.7	1351.3	1351.8	1352.4	1351.8	1351.3	1350.7
160°	1373.7	1373.4	1373.1	1373.4	1374.1	1374.9	1375.7	1376.4	1375.7	1374.9	1374.1
162.5°	1395.3	1395.3	1395.3	1395.5	1396.1	1396.6	1397.2	1397.8	1397.2	1396.6	1396.1
165°	1424.5	1424.2	1424.1	1424.2	1424.7	1425.1	1425.7	1426.2	1425.7	1425.1	1424.7
167.5°	1445.6	1445.6	1445.6	1446.2	1447.2	1448.2	1449.2	1450.3	1449.2	1448.2	1447.2
170°	1458.6	1458.6	1458.6	1459.1	1460.2	1461.2	1462.2	1463.2	1462.2	1461.2	1460.2
172.5°	1467.8	1467.8	1467.8	1468.4	1469.4	1470.4	1471.4	1472.5	1471.4	1470.4	1469.4
175°	1478.3	1478.3	1478.3	1478.8	1479.8	1480.9	1481.8	1482.9	1481.8	1480.9	1479.8
177.5°	1484.0	1484.2	1484.4	1484.9	1485.8	1486.6	1487.4	1488.2	1487.4	1486.6	1485.8
180°	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	784.3	781.2	778.8	773.4	770.4	766.3	763.1	766.6	762.9	764.5	762.1
5°	759.8	750.3	743.5	733.7	725.2	717.5	711.7	710.7	707.9	706.6	702.6
7.5°	730.4	718.5	706.9	694.0	683.1	672.2	665.0	659.2	655.4	650.3	646.8
10°	713.0	697.1	683.6	668.0	654.4	642.6	633.1	628.4	623.9	617.5	615.2
12.5°	691.6	675.2	658.6	641.9	629.0	615.7	607.6	600.5	597.4	590.1	589.4
15°	665.9	641.2	625.0	608.1	590.0	579.3	572.5	564.7	561.3	556.2	552.5
17.5°	635.3	613.2	592.9	575.4	560.0	550.9	542.4	537.1	531.3	528.0	521.8
20°	613.1	592.1	571.8	553.1	541.3	530.8	524.1	519.0	512.8	511.1	505.1
22.5°	594.4	571.2	551.7	536.1	523.2	511.3	504.0	500.5	496.3	491.1	489.9
25°	564.0	539.9	523.3	507.7	496.2	485.4	480.4	475.9	471.9	468.1	466.8
27.5°	537.7	516.2	496.5	482.4	472.4	462.5	458.1	452.7	449.7	446.7	443.1
30°	519.3	497.3	480.0	466.5	455.6	446.8	442.0	438.4	435.6	432.9	430.9
32.5°	500.3	479.9	463.2	450.0	439.1	432.5	428.2	425.6	422.6	419.4	416.8
35°	475.3	452.9	436.7	425.1	416.6	411.5	406.8	404.5	401.1	401.1	398.3
37.5°	447.0	427.7	413.3	402.8	395.2	390.7	385.6	384.0	381.7	380.3	379.4
40°	430.2	412.2	398.7	388.2	380.0	376.3	372.3	369.5	368.2	366.5	365.9
42.5°	412.9	395.7	382.7	373.0	366.0	362.7	359.0	357.1	354.4	352.1	351.8
45°	386.5	369.9	358.0	350.3	344.2	340.5	338.0	334.0	332.6	329.9	329.6
47.5°	361.5	345.5	333.9	327.5	322.2	319.1	315.4	311.4	309.8	308.4	308.4
50°	342.8	328.2	317.4	311.3	306.2	301.8	298.1	295.4	294.4	294.4	295.1
52.5°	323.9	311.5	302.2	294.8	290.0	285.3	281.9	280.2	278.7	280.3	281.5
55°	296.0	283.6	276.8	269.7	264.9	259.5	257.8	257.1	256.1	258.8	260.1
57.5°	266.6	257.9	249.9	242.9	238.6	235.5	233.2	232.8	234.7	235.9	240.4
60°	248.0	237.8	230.7	225.2	220.2	218.1	217.5	216.8	218.1	221.9	227.7
62.5°	227.4	219.1	211.4	207.4	203.7	200.3	200.1	200.5	203.2	207.5	213.3
65°	197.2	190.0	184.9	180.2	177.2	175.1	175.8	177.2	180.2	186.0	192.4
67.5°	166.5	161.6	157.0	153.2	150.3	150.3	151.0	153.0	156.6	163.2	169.1
70°	146.7	141.2	137.5	135.8	133.5	132.2	134.1	137.5	140.5	146.7	151.8
72.5°	126.9	122.3	119.4	118.2	117.2	116.1	116.8	120.5	124.6	130.7	136.6
75°	97.6	95.9	93.8	92.5	91.5	92.1	92.8	96.2	99.6	106.0	112.8
77.5°	71.2	69.5	68.2	67.9	67.3	67.7	69.6	72.1	75.4	80.1	85.2
80°	53.9	53.1	52.5	52.2	52.2	52.5	55.2	56.9	59.9	64.4	68.4
82.5°	39.2	38.8	38.7	38.6	38.9	39.0	40.6	42.8	45.3	48.7	52.2
85°	20.7	20.0	21.0	21.3	20.7	21.7	22.4	23.7	24.7	26.4	28.1
87.5°	8.6	9.5	9.6	10.3	10.7	11.6	11.5	12.9	13.6	14.4	14.4
90°	9.4	11.3	13.1	14.9	16.7	18.5	19.8	21.0	22.4	23.6	24.7
92.5°	33.7	35.6	37.8	40.0	42.2	44.4	46.1	47.8	49.5	51.2	52.3
95°	77.2	78.8	81.3	83.9	86.5	89.1	90.9	92.6	94.4	96.3	97.4
97.5°	125.7	127.6	131.2	134.7	138.3	141.8	143.5	145.2	146.9	148.6	149.6
100°	161.9	163.6	166.9	170.3	173.6	177.0	179.3	181.6	183.9	186.2	187.6
102.5°	205.8	207.2	208.9	210.6	212.3	214.0	216.5	219.0	221.5	224.1	225.7
105°	268.9	270.3	271.8	273.4	274.9	276.4	278.0	279.6	281.1	282.6	283.7
107.5°	337.3	338.6	339.7	340.9	342.1	343.3	344.1	344.8	345.6	346.4	346.8
110°	384.5	385.6	386.4	387.1	387.9	388.6	389.4	390.2	390.9	391.7	392.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	430.2	431.1	431.9	432.9	433.9	434.9	435.2	435.6	436.0	436.3	436.3
115°	502.7	503.5	503.9	504.4	505.0	505.5	505.2	505.0	504.7	504.4	504.2
117.5°	571.7	572.1	572.6	573.0	573.5	574.0	574.2	574.4	574.5	574.8	574.4
120°	619.4	620.1	620.4	620.6	620.9	621.2	621.2	621.2	621.2	621.2	620.6
122.5°	664.1	664.8	665.4	666.1	666.7	667.4	667.2	667.0	666.8	666.6	666.1
125°	733.7	734.6	734.9	735.1	735.4	735.7	735.1	734.6	734.1	733.6	733.3
127.5°	800.5	801.0	801.4	801.6	802.0	802.3	802.0	801.7	801.5	801.3	800.8
130°	843.7	844.6	845.2	845.7	846.1	846.7	846.4	846.1	846.0	845.7	845.3
132.5°	888.7	889.7	889.6	889.5	889.4	889.3	889.0	888.8	888.5	888.2	887.8
135°	952.3	953.2	953.5	953.8	954.0	954.3	954.3	954.3	954.3	954.3	953.8
137.5°	1014.1	1015.1	1015.7	1016.3	1016.9	1017.4	1017.7	1018.1	1018.3	1018.7	1018.2
140°	1053.1	1054.1	1054.9	1055.7	1056.4	1057.2	1057.7	1058.3	1058.7	1059.3	1058.9
142.5°	1092.1	1093.1	1094.0	1095.0	1096.0	1097.0	1097.3	1097.6	1098.0	1098.2	1097.8
145°	1150.4	1151.3	1152.1	1152.8	1153.6	1154.4	1154.4	1154.4	1154.4	1154.4	1154.0
147.5°	1202.7	1203.3	1203.9	1204.5	1205.1	1205.8	1206.4	1206.9	1207.6	1208.2	1207.6
150°	1235.5	1235.8	1236.9	1238.0	1238.9	1240.0	1240.0	1240.0	1240.0	1240.0	1239.7
152.5°	1267.6	1267.9	1268.4	1268.7	1269.2	1269.6	1270.2	1270.8	1271.4	1272.0	1271.9
155°	1311.7	1311.8	1312.1	1312.3	1312.6	1312.9	1313.8	1314.9	1315.9	1317.0	1316.8
157.5°	1350.1	1350.0	1350.2	1350.5	1350.8	1351.0	1352.0	1353.1	1354.1	1355.1	1354.8
160°	1373.4	1373.1	1373.4	1373.7	1373.9	1374.1	1375.2	1376.2	1377.2	1378.2	1378.1
162.5°	1395.5	1395.3	1395.3	1395.3	1395.3	1395.4	1396.7	1397.9	1399.1	1400.3	1400.3
165°	1424.2	1424.1	1424.2	1424.5	1424.8	1425.0	1426.1	1427.1	1428.2	1429.1	1428.9
167.5°	1446.2	1445.6	1445.6	1445.6	1445.6	1445.6	1447.2	1448.8	1450.3	1451.8	1451.8
170°	1459.1	1458.6	1458.6	1458.6	1458.6	1458.6	1460.2	1461.7	1463.2	1464.7	1464.6
172.5°	1468.4	1467.8	1467.8	1467.8	1467.8	1467.8	1469.4	1471.0	1472.5	1474.0	1474.0
175°	1478.8	1478.3	1478.3	1478.3	1478.3	1478.3	1479.8	1481.3	1482.9	1484.4	1484.3
177.5°	1484.9	1484.4	1484.2	1484.0	1483.8	1483.5	1484.8	1486.0	1487.3	1488.5	1488.4
180°	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	760.4	762.3	760.7	762.9	760.7	762.3	760.4	762.1	764.5	762.9	766.6
5°	700.9	697.8	699.8	698.5	699.8	697.8	700.9	702.6	706.6	707.9	710.7
7.5°	645.9	642.9	639.6	638.0	639.6	642.9	645.9	646.8	650.3	655.4	659.2
10°	611.4	607.7	607.3	605.0	607.3	607.7	611.4	615.2	617.5	623.9	628.4
12.5°	586.2	582.7	578.9	577.9	578.9	582.7	586.2	589.4	590.1	597.4	600.5
15°	550.5	547.8	545.4	547.4	545.4	547.8	550.5	552.5	556.2	561.3	564.7
17.5°	520.7	518.4	518.1	515.6	518.1	518.4	520.7	521.8	528.0	531.3	537.1
20°	502.0	500.3	501.0	496.6	501.0	500.3	502.0	505.1	511.1	512.8	519.0
22.5°	487.1	483.8	483.4	482.5	483.4	483.8	487.1	489.9	491.1	496.3	500.5
25°	463.8	462.1	460.4	462.1	460.4	462.1	463.8	466.8	468.1	471.9	475.9
27.5°	443.4	441.3	440.9	441.0	440.9	441.3	443.4	443.1	446.7	449.7	452.7
30°	430.9	427.5	427.8	427.5	427.8	427.5	430.9	430.9	432.9	435.6	438.4
32.5°	417.3	415.0	414.6	413.9	414.6	415.0	417.3	416.8	419.4	422.6	425.6
35°	397.3	397.3	395.7	395.7	395.7	397.3	397.3	398.3	401.1	401.1	404.5
37.5°	378.5	378.3	377.2	377.4	377.2	378.3	378.5	379.4	380.3	381.7	384.0
40°	364.4	364.2	363.1	361.1	363.1	364.2	364.4	365.9	366.5	368.2	369.5
42.5°	351.0	349.8	349.3	348.7	349.3	349.8	351.0	351.8	352.1	354.4	357.1
45°	329.6	329.6	329.0	328.6	329.0	329.6	329.6	329.6	329.9	332.6	334.0
47.5°	308.9	309.5	310.8	310.6	310.8	309.5	308.9	308.4	308.4	309.8	311.4
50°	296.4	296.8	297.7	298.1	297.7	296.8	296.4	295.1	294.4	294.4	295.4
52.5°	282.6	284.5	285.8	285.6	285.8	284.5	282.6	281.5	280.3	278.7	280.2
55°	263.2	265.6	268.0	268.3	268.0	265.6	263.2	260.1	258.8	256.1	257.1
57.5°	244.1	247.4	249.9	250.7	249.9	247.4	244.1	240.4	235.9	234.7	232.8
60°	231.0	235.4	238.4	239.9	238.4	235.4	231.0	227.7	221.9	218.1	216.8
62.5°	218.6	223.5	226.6	226.9	226.6	223.5	218.6	213.3	207.5	203.2	200.5
65°	198.1	203.2	206.0	207.9	206.0	203.2	198.1	192.4	186.0	180.2	177.2
67.5°	176.2	181.3	184.3	185.9	184.3	181.3	176.2	169.1	163.2	156.6	153.0
70°	160.2	165.3	169.3	170.8	169.3	165.3	160.2	151.8	146.7	140.5	137.5
72.5°	144.5	149.0	152.3	153.9	152.3	149.0	144.5	136.6	130.7	124.6	120.5
75°	117.2	123.3	126.4	128.0	126.4	123.3	117.2	112.8	106.0	99.6	96.2
77.5°	90.4	95.9	97.7	98.6	97.7	95.9	90.4	85.2	80.1	75.4	72.1
80°	72.5	75.9	78.3	78.6	78.3	75.9	72.5	68.4	64.4	59.9	56.9
82.5°	55.7	58.5	59.3	60.2	59.3	58.5	55.7	52.2	48.7	45.3	42.8
85°	30.5	31.8	32.2	31.8	32.2	31.8	30.5	28.1	26.4	24.7	23.7
87.5°	15.2	15.0	15.2	15.9	15.2	15.0	15.2	14.4	14.4	13.6	12.9
90°	25.4	26.2	27.0	27.7	27.0	26.2	25.4	24.7	23.6	22.4	21.0
92.5°	52.9	53.5	54.0	54.6	54.0	53.5	52.9	52.3	51.2	49.5	47.8
95°	97.9	98.4	99.0	99.5	99.0	98.4	97.9	97.4	96.3	94.4	92.6
97.5°	149.9	150.3	150.5	150.9	150.5	150.3	149.9	149.6	148.6	146.9	145.2
100°	188.2	188.7	189.2	189.7	189.2	188.7	188.2	187.6	186.2	183.9	181.6
102.5°	226.4	227.1	227.8	228.5	227.8	227.1	226.4	225.7	224.1	221.5	219.0
105°	284.5	285.3	286.1	286.9	286.1	285.3	284.5	283.7	282.6	281.1	279.6
107.5°	346.7	346.6	346.6	346.5	346.6	346.6	346.7	346.8	346.4	345.6	344.8
110°	391.7	391.5	391.2	390.9	391.2	391.5	391.7	392.0	391.7	390.9	390.2



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	435.9	435.4	434.9	434.4	434.9	435.4	435.9	436.3	436.3	436.0	435.6
115°	503.9	503.6	503.5	503.2	503.5	503.6	503.9	504.2	504.4	504.7	505.0
117.5°	573.4	572.3	571.3	570.2	571.3	572.3	573.4	574.4	574.8	574.5	574.4
120°	619.6	618.6	617.5	616.5	617.5	618.6	619.6	620.6	621.2	621.2	621.2
122.5°	665.2	664.4	663.6	662.8	663.6	664.4	665.2	666.1	666.6	666.8	667.0
125°	733.0	732.7	732.5	732.2	732.5	732.7	733.0	733.3	733.6	734.1	734.6
127.5°	800.4	799.9	799.3	798.8	799.3	799.9	800.4	800.8	801.3	801.5	801.7
130°	844.8	844.3	843.7	843.2	843.7	844.3	844.8	845.3	845.7	846.0	846.1
132.5°	887.1	886.3	885.6	884.8	885.6	886.3	887.1	887.8	888.2	888.5	888.8
135°	952.7	951.7	950.7	949.7	950.7	951.7	952.7	953.8	954.3	954.3	954.3
137.5°	1016.9	1015.6	1014.3	1013.1	1014.3	1015.6	1016.9	1018.2	1018.7	1018.3	1018.1
140°	1057.6	1056.3	1055.1	1053.7	1055.1	1056.3	1057.6	1058.9	1059.3	1058.7	1058.3
142.5°	1096.4	1095.2	1093.9	1092.6	1093.9	1095.2	1096.4	1097.8	1098.2	1098.0	1097.6
145°	1153.2	1152.4	1151.6	1150.9	1151.6	1152.4	1153.2	1154.0	1154.4	1154.4	1154.4
147.5°	1205.9	1204.2	1202.4	1200.7	1202.4	1204.2	1205.9	1207.6	1208.2	1207.6	1206.9
150°	1239.2	1238.7	1238.1	1237.7	1238.1	1238.7	1239.2	1239.7	1240.0	1240.0	1240.0
152.5°	1271.0	1270.1	1269.1	1268.2	1269.1	1270.1	1271.0	1271.9	1272.0	1271.4	1270.8
155°	1315.5	1314.3	1313.0	1311.7	1313.0	1314.3	1315.5	1316.8	1317.0	1315.9	1314.9
157.5°	1353.1	1351.4	1349.7	1348.0	1349.7	1351.4	1353.1	1354.8	1355.1	1354.1	1353.1
160°	1376.9	1375.6	1374.3	1373.0	1374.3	1375.6	1376.9	1378.1	1378.2	1377.2	1376.2
162.5°	1398.7	1397.2	1395.8	1394.3	1395.8	1397.2	1398.7	1400.3	1400.3	1399.1	1397.9
165°	1427.4	1425.8	1424.2	1422.7	1424.2	1425.8	1427.4	1428.9	1429.1	1428.2	1427.1
167.5°	1450.2	1448.6	1447.0	1445.4	1447.0	1448.6	1450.2	1451.8	1451.8	1450.3	1448.8
170°	1462.9	1461.1	1459.2	1457.4	1459.2	1461.1	1462.9	1464.6	1464.7	1463.2	1461.7
172.5°	1472.4	1470.8	1469.2	1467.6	1469.2	1470.8	1472.4	1474.0	1474.0	1472.5	1471.0
175°	1482.5	1480.7	1478.9	1477.1	1478.9	1480.7	1482.5	1484.3	1484.4	1482.9	1481.3
177.5°	1486.9	1485.5	1484.1	1482.6	1484.1	1485.5	1486.9	1488.4	1488.5	1487.3	1486.0
180°	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	763.1	766.3	770.4	773.4	778.8	781.2	784.3	786.7	791.0	795.0	800.0
5°	711.7	717.5	725.2	733.7	743.5	750.3	759.8	765.5	777.0	787.6	797.7
7.5°	665.0	672.2	683.1	694.0	706.9	718.5	730.4	743.5	758.2	775.6	790.0
10°	633.1	642.6	654.4	668.0	683.6	697.1	713.0	727.3	745.2	765.5	784.5
12.5°	607.6	615.7	629.0	641.9	658.6	675.2	691.6	710.5	731.4	753.9	777.8
15°	572.5	579.3	590.0	608.1	625.0	641.2	665.9	683.6	710.0	735.0	763.8
17.5°	542.4	550.9	560.0	575.4	592.9	613.2	635.3	657.5	682.9	714.7	747.2
20°	524.1	530.8	541.3	553.1	571.8	592.1	613.1	635.4	666.6	699.5	734.4
22.5°	504.0	511.3	523.2	536.1	551.7	571.2	594.4	618.9	651.5	683.8	721.7
25°	480.4	485.4	496.2	507.7	523.3	539.9	564.0	591.1	623.3	660.2	698.8
27.5°	458.1	462.5	472.4	482.4	496.5	516.2	537.7	565.1	595.4	632.8	675.6
30°	442.0	446.8	455.6	466.5	480.0	497.3	519.3	545.0	577.6	614.1	658.9
32.5°	428.2	432.5	439.1	450.0	463.2	479.9	500.3	526.6	559.1	596.3	640.2
35°	406.8	411.5	416.6	425.1	436.7	452.9	475.3	500.0	531.1	567.0	607.3
37.5°	385.6	390.7	395.2	402.8	413.3	427.7	447.0	472.8	501.0	535.6	574.3
40°	372.3	376.3	380.0	388.2	398.7	412.2	430.2	453.3	483.0	515.2	547.4
42.5°	359.0	362.7	366.0	373.0	382.7	395.7	412.9	435.3	463.0	493.0	521.4
45°	338.0	340.5	344.2	350.3	358.0	369.9	386.5	406.5	429.9	458.3	479.7
47.5°	315.4	319.1	322.2	327.5	333.9	345.5	361.5	378.5	399.8	420.9	435.9
50°	298.1	301.8	306.2	311.3	317.4	328.2	342.8	360.1	378.0	394.3	407.2
52.5°	281.9	285.3	290.0	294.8	302.2	311.5	323.9	339.2	356.9	368.5	379.2
55°	257.8	259.5	264.9	269.7	276.8	283.6	296.0	309.6	320.5	329.2	338.0
57.5°	233.2	235.5	238.6	242.9	249.9	257.9	266.6	278.7	285.0	289.5	296.4
60°	217.5	218.1	220.2	225.2	230.7	237.8	248.0	256.5	261.2	264.9	270.6
62.5°	200.1	200.3	203.7	207.4	211.4	219.1	227.4	234.2	238.2	240.0	245.5
65°	175.8	175.1	177.2	180.2	184.9	190.0	197.2	203.2	202.9	204.9	208.3
67.5°	151.0	150.3	150.3	153.2	157.0	161.6	166.5	170.0	170.0	172.7	174.4
70°	134.1	132.2	133.5	135.8	137.5	141.2	146.7	148.0	148.4	149.7	151.4
72.5°	116.8	116.1	117.2	118.2	119.4	122.3	126.9	127.7	127.8	128.6	131.3
75°	92.8	92.1	91.5	92.5	93.8	95.9	97.6	98.9	98.5	98.9	100.9
77.5°	69.6	67.7	67.3	67.9	68.2	69.5	71.2	71.1	71.4	71.3	73.7
80°	55.2	52.5	52.2	52.2	52.5	53.1	53.9	54.6	53.5	54.6	55.2
82.5°	40.6	39.0	38.9	38.6	38.7	38.8	39.2	39.6	39.4	39.9	40.3
85°	22.4	21.7	20.7	21.3	21.0	20.0	20.7	19.6	19.4	19.6	20.0
87.5°	11.5	11.6	10.7	10.3	9.6	9.5	8.6	7.9	7.3	7.1	7.6
90°	19.8	18.5	16.7	14.9	13.1	11.3	9.4	7.3	5.3	3.2	1.2
92.5°	46.1	44.4	42.2	40.0	37.8	35.6	33.7	32.3	30.9	29.4	28.0
95°	90.9	89.1	86.5	83.9	81.3	78.8	77.2	76.7	76.2	75.7	75.2
97.5°	143.5	141.8	138.3	134.7	131.2	127.6	125.7	125.6	125.4	125.1	124.9
100°	179.3	177.0	173.6	170.3	166.9	163.6	161.9	161.9	161.9	161.9	161.9
102.5°	216.5	214.0	212.3	210.6	208.9	207.2	205.8	204.8	203.8	202.8	201.7
105°	278.0	276.4	274.9	273.4	271.8	270.3	268.9	267.6	266.3	265.0	263.8
107.5°	344.1	343.3	342.1	340.9	339.7	338.6	337.3	336.1	334.7	333.5	332.2
110°	389.4	388.6	387.9	387.1	386.4	385.6	384.5	383.3	382.0	380.7	379.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	435.2	434.9	433.9	432.9	431.9	431.1	430.2	429.5	428.8	428.2	427.5
115°	505.2	505.5	505.0	504.4	503.9	503.5	502.7	501.6	500.6	499.5	498.6
117.5°	574.2	574.0	573.5	573.0	572.6	572.1	571.7	571.1	570.7	570.2	569.8
120°	621.2	621.2	620.9	620.6	620.4	620.1	619.4	618.0	616.8	615.5	614.2
122.5°	667.2	667.4	666.7	666.1	665.4	664.8	664.1	663.7	663.3	662.8	662.4
125°	735.1	735.7	735.4	735.1	734.9	734.6	733.7	732.2	730.7	729.1	727.5
127.5°	802.0	802.3	802.0	801.6	801.4	801.0	800.5	799.6	798.7	797.8	796.9
130°	846.4	846.7	846.1	845.7	845.2	844.6	843.7	842.5	841.2	839.9	838.6
132.5°	889.0	889.3	889.4	889.5	889.6	889.7	888.7	886.5	884.5	882.3	880.2
135°	954.3	954.3	954.0	953.8	953.5	953.2	952.3	950.8	949.2	947.7	946.2
137.5°	1017.7	1017.4	1016.9	1016.3	1015.7	1015.1	1014.1	1012.6	1011.2	1009.7	1008.2
140°	1057.7	1057.2	1056.4	1055.7	1054.9	1054.1	1053.1	1051.9	1050.5	1049.3	1047.9
142.5°	1097.3	1097.0	1096.0	1095.0	1094.0	1093.1	1092.1	1091.0	1089.9	1088.9	1087.8
145°	1154.4	1154.4	1153.6	1152.8	1152.1	1151.3	1150.4	1149.3	1148.3	1147.3	1146.3
147.5°	1206.4	1205.8	1205.1	1204.5	1203.9	1203.3	1202.7	1202.1	1201.6	1201.0	1200.4
150°	1240.0	1240.0	1238.9	1238.0	1236.9	1235.8	1235.5	1235.7	1236.0	1236.3	1236.5
152.5°	1270.2	1269.6	1269.2	1268.7	1268.4	1267.9	1267.6	1267.2	1266.9	1266.5	1266.1
155°	1313.8	1312.9	1312.6	1312.3	1312.1	1311.8	1311.7	1311.7	1311.7	1311.7	1311.7
157.5°	1352.0	1351.0	1350.8	1350.5	1350.2	1350.0	1350.1	1350.7	1351.3	1351.8	1352.4
160°	1375.2	1374.1	1373.9	1373.7	1373.4	1373.1	1373.4	1374.1	1374.9	1375.7	1376.4
162.5°	1396.7	1395.4	1395.3	1395.3	1395.3	1395.3	1395.5	1396.1	1396.6	1397.2	1397.8
165°	1426.1	1425.0	1424.8	1424.5	1424.2	1424.1	1424.2	1424.7	1425.1	1425.7	1426.2
167.5°	1447.2	1445.6	1445.6	1445.6	1445.6	1445.6	1446.2	1447.2	1448.2	1449.2	1450.3
170°	1460.2	1458.6	1458.6	1458.6	1458.6	1458.6	1459.1	1460.2	1461.2	1462.2	1463.2
172.5°	1469.4	1467.8	1467.8	1467.8	1467.8	1467.8	1468.4	1469.4	1470.4	1471.4	1472.5
175°	1479.8	1478.3	1478.3	1478.3	1478.3	1478.3	1478.8	1479.8	1480.9	1481.8	1482.9
177.5°	1484.8	1483.5	1483.8	1484.0	1484.2	1484.4	1484.9	1485.8	1486.6	1487.4	1488.2
180°	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	802.5	806.2	808.6	813.2	817.1	819.2	821.1	822.7	824.7	826.3	830.9
5°	807.5	816.4	823.9	835.4	845.9	854.0	862.7	870.6	877.0	886.2	893.2
7.5°	805.3	821.0	837.4	855.2	873.4	890.4	905.9	920.5	933.7	949.7	963.7
10°	803.2	824.5	845.5	869.5	894.3	915.3	935.0	954.9	969.5	989.8	1007.1
12.5°	801.6	826.7	852.0	880.9	908.1	937.7	963.9	978.5	1000.7	1016.9	1037.4
15°	794.7	827.9	862.7	895.3	933.9	961.4	984.4	1012.8	1033.5	1054.2	1076.5
17.5°	782.4	820.0	859.1	901.7	938.7	968.2	997.8	1025.3	1050.0	1077.6	1105.5
20°	776.8	814.3	859.1	902.8	939.0	969.8	1000.3	1030.5	1057.6	1093.1	1125.2
22.5°	764.8	810.3	851.5	894.0	931.4	964.9	999.5	1033.7	1069.7	1109.9	1150.2
25°	743.5	789.6	833.3	875.3	912.9	954.9	991.8	1037.6	1083.6	1136.8	1187.0
27.5°	721.5	765.5	805.6	846.1	890.0	937.5	985.4	1037.3	1097.7	1164.8	1235.6
30°	703.6	745.2	784.2	825.8	871.6	925.1	977.6	1039.3	1109.0	1184.5	1268.5
32.5°	682.7	721.1	759.0	803.1	852.9	909.4	970.5	1038.1	1122.0	1207.9	1294.3
35°	647.0	679.2	718.1	765.2	821.4	886.2	957.0	1036.9	1133.1	1231.6	1304.5
37.5°	604.7	634.6	675.6	727.3	786.2	855.7	939.7	1034.5	1136.7	1215.2	1238.8
40°	576.2	604.0	646.7	700.2	760.5	834.0	926.1	1026.4	1125.2	1175.5	1156.1
42.5°	545.8	575.0	616.6	669.6	734.4	814.5	909.0	1009.3	1092.3	1111.2	1044.5
45°	497.9	528.1	569.1	622.6	692.4	779.1	877.7	968.8	1016.6	982.3	879.0
47.5°	453.4	481.7	519.7	574.9	646.9	736.6	831.5	904.2	908.0	826.3	716.0
50°	423.1	449.2	487.4	542.7	614.1	704.9	790.6	847.8	822.2	729.7	623.7
52.5°	393.2	418.8	456.6	511.2	581.9	665.0	744.8	785.0	736.5	641.6	551.0
55°	350.3	372.6	409.6	460.0	527.1	604.3	672.1	685.9	622.9	529.4	455.9
57.5°	308.3	329.1	362.7	409.2	470.5	539.0	591.9	589.0	522.4	442.1	383.8
60°	279.8	300.1	329.9	375.3	431.2	490.2	535.6	524.7	458.7	389.6	340.5
62.5°	254.3	272.5	300.7	340.4	391.4	445.9	483.2	467.3	402.5	342.1	303.3
65°	216.8	232.0	256.1	290.0	332.3	377.4	406.2	385.5	330.3	283.2	252.0
67.5°	180.9	193.1	213.3	240.4	276.5	312.6	330.2	309.4	265.2	230.9	207.8
70°	158.2	169.1	184.6	208.7	240.1	270.6	283.8	265.2	227.3	197.8	181.2
72.5°	135.5	144.4	158.1	179.7	204.9	231.4	242.9	225.2	193.9	169.1	153.6
75°	104.7	110.8	120.3	135.2	155.2	176.1	182.6	167.0	147.0	128.4	118.2
77.5°	74.9	80.1	87.3	96.7	110.8	124.2	129.8	120.8	105.3	93.5	85.2
80°	57.6	60.3	66.4	74.2	85.3	93.8	97.6	91.8	81.0	72.1	65.7
82.5°	41.0	43.8	47.4	53.9	61.0	66.7	70.7	66.9	59.0	52.1	48.3
85°	20.0	21.7	23.7	26.4	31.8	35.2	34.9	32.5	29.4	26.8	24.7
87.5°	7.7	8.4	9.6	11.3	12.6	14.0	14.9	14.7	14.0	13.5	12.9
90°	3.2	5.3	7.3	9.4	11.3	13.1	14.9	16.7	18.5	19.8	21.0
92.5°	29.4	30.9	32.3	33.7	35.6	37.8	40.0	42.2	44.4	46.1	47.8
95°	75.7	76.2	76.7	77.2	78.8	81.3	83.9	86.5	89.1	90.9	92.6
97.5°	125.1	125.4	125.6	125.7	127.6	131.2	134.7	138.3	141.8	143.5	145.2
100°	161.9	161.9	161.9	161.9	163.6	166.9	170.3	173.6	177.0	179.3	181.6
102.5°	202.8	203.8	204.8	205.8	207.2	208.9	210.6	212.3	214.0	216.5	219.0
105°	265.0	266.3	267.6	268.9	270.3	271.8	273.4	274.9	276.4	278.0	279.6
107.5°	333.5	334.7	336.1	337.3	338.6	339.7	340.9	342.1	343.3	344.1	344.8
110°	380.7	382.0	383.3	384.5	385.6	386.4	387.1	387.9	388.6	389.4	390.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	428.2	428.8	429.5	430.2	431.1	431.9	432.9	433.9	434.9	435.2	435.6
115°	499.5	500.6	501.6	502.7	503.5	503.9	504.4	505.0	505.5	505.2	505.0
117.5°	570.2	570.7	571.1	571.7	572.1	572.6	573.0	573.5	574.0	574.2	574.4
120°	615.5	616.8	618.0	619.4	620.1	620.4	620.6	620.9	621.2	621.2	621.2
122.5°	662.8	663.3	663.7	664.1	664.8	665.4	666.1	666.7	667.4	667.2	667.0
125°	729.1	730.7	732.2	733.7	734.6	734.9	735.1	735.4	735.7	735.1	734.6
127.5°	797.8	798.7	799.6	800.5	801.0	801.4	801.6	802.0	802.3	802.0	801.7
130°	839.9	841.2	842.5	843.7	844.6	845.2	845.7	846.1	846.7	846.4	846.1
132.5°	882.3	884.5	886.5	888.7	889.7	889.6	889.5	889.4	889.3	889.0	888.8
135°	947.7	949.2	950.8	952.3	953.2	953.5	953.8	954.0	954.3	954.3	954.3
137.5°	1009.7	1011.2	1012.6	1014.1	1015.1	1015.7	1016.3	1016.9	1017.4	1017.7	1018.1
140°	1049.3	1050.5	1051.9	1053.1	1054.1	1054.9	1055.7	1056.4	1057.2	1057.7	1058.3
142.5°	1088.9	1089.9	1091.0	1092.1	1093.1	1094.0	1095.0	1096.0	1097.0	1097.3	1097.6
145°	1147.3	1148.3	1149.3	1150.4	1151.3	1152.1	1152.8	1153.6	1154.4	1154.4	1154.4
147.5°	1201.0	1201.6	1202.1	1202.7	1203.3	1203.9	1204.5	1205.1	1205.8	1206.4	1206.9
150°	1236.3	1236.0	1235.7	1235.5	1235.8	1236.9	1238.0	1238.9	1240.0	1240.0	1240.0
152.5°	1266.5	1266.9	1267.2	1267.6	1267.9	1268.4	1268.7	1269.2	1269.6	1270.2	1270.8
155°	1311.7	1311.7	1311.7	1311.7	1311.8	1312.1	1312.3	1312.6	1312.9	1313.8	1314.9
157.5°	1351.8	1351.3	1350.7	1350.1	1350.0	1350.2	1350.5	1350.8	1351.0	1352.0	1353.1
160°	1375.7	1374.9	1374.1	1373.4	1373.1	1373.4	1373.7	1373.9	1374.1	1375.2	1376.2
162.5°	1397.2	1396.6	1396.1	1395.5	1395.3	1395.3	1395.3	1395.3	1395.4	1396.7	1397.9
165°	1425.7	1425.1	1424.7	1424.2	1424.1	1424.2	1424.5	1424.8	1425.0	1426.1	1427.1
167.5°	1449.2	1448.2	1447.2	1446.2	1445.6	1445.6	1445.6	1445.6	1445.6	1447.2	1448.8
170°	1462.2	1461.2	1460.2	1459.1	1458.6	1458.6	1458.6	1458.6	1458.6	1460.2	1461.7
172.5°	1471.4	1470.4	1469.4	1468.4	1467.8	1467.8	1467.8	1467.8	1467.8	1469.4	1471.0
175°	1481.8	1480.9	1479.8	1478.8	1478.3	1478.3	1478.3	1478.3	1478.3	1479.8	1481.3
177.5°	1487.4	1486.6	1485.8	1484.9	1484.4	1484.2	1484.0	1483.8	1483.5	1484.8	1486.0
180°	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	834.6	836.8	841.4	839.8	842.0	843.0	844.2
5°	902.1	912.9	917.7	916.9	924.1	922.4	920.7
7.5°	978.2	989.6	996.0	1003.9	1008.5	1008.8	1012.8
10°	1021.3	1036.2	1042.3	1050.8	1056.2	1059.3	1058.9
12.5°	1054.4	1066.0	1079.7	1083.9	1091.2	1095.0	1093.6
15°	1094.1	1112.8	1126.9	1134.1	1143.3	1145.9	1149.7
17.5°	1129.6	1154.6	1171.3	1193.3	1201.7	1206.8	1203.7
20°	1156.5	1189.3	1205.9	1232.3	1246.9	1254.7	1252.0
22.5°	1188.2	1223.7	1254.5	1277.3	1299.5	1310.0	1312.2
25°	1242.5	1291.3	1336.3	1366.5	1393.9	1400.3	1414.6
27.5°	1303.2	1360.8	1408.9	1440.6	1459.7	1466.9	1471.3
30°	1341.4	1398.6	1434.9	1455.2	1461.3	1460.6	1460.0
32.5°	1360.1	1396.0	1402.9	1397.2	1383.3	1371.5	1359.1
35°	1333.6	1306.9	1266.9	1215.4	1177.5	1139.2	1135.4
37.5°	1199.4	1113.8	1047.3	973.0	930.1	903.7	885.3
40°	1073.1	975.9	895.3	832.6	788.9	771.7	754.7
42.5°	936.0	843.1	771.7	719.3	686.5	667.4	653.9
45°	760.5	678.5	622.6	584.7	558.6	543.7	535.2
47.5°	623.1	562.5	515.1	487.7	469.7	458.1	458.1
50°	549.5	491.5	460.0	438.4	422.8	413.6	415.3
52.5°	484.1	440.9	413.9	395.7	384.2	378.6	378.4
55°	404.8	373.6	356.1	342.8	335.0	328.6	329.9
57.5°	346.3	319.9	308.2	297.2	291.8	289.2	285.5
60°	310.0	289.6	279.5	270.6	265.2	263.2	259.5
62.5°	277.7	261.7	251.8	244.6	239.8	239.1	236.1
65°	233.4	221.2	212.4	209.0	203.9	202.6	202.6
67.5°	192.4	183.7	176.8	173.7	171.5	171.8	170.1
70°	166.7	159.5	155.2	151.8	150.1	150.4	149.0
72.5°	145.8	137.9	134.0	132.0	129.7	130.6	130.1
75°	110.4	106.4	104.3	102.3	100.9	100.2	99.6
77.5°	81.1	77.5	76.0	74.8	75.0	73.4	74.6
80°	62.7	59.7	58.6	56.9	56.5	56.5	56.3
82.5°	45.8	44.1	43.4	42.0	41.4	41.9	41.0
85°	23.7	22.4	22.0	22.0	21.3	20.7	22.4
87.5°	13.1	12.3	12.5	12.4	12.6	12.5	12.0
90°	22.4	23.6	24.7	25.4	26.2	27.0	27.7
92.5°	49.5	51.2	52.3	52.9	53.5	54.0	54.6
95°	94.4	96.3	97.4	97.9	98.4	99.0	99.5
97.5°	146.9	148.6	149.6	149.9	150.3	150.5	150.9
100°	183.9	186.2	187.6	188.2	188.7	189.2	189.7
102.5°	221.5	224.1	225.7	226.4	227.1	227.8	228.5
105°	281.1	282.6	283.7	284.5	285.3	286.1	286.9
107.5°	345.6	346.4	346.8	346.7	346.6	346.6	346.5
110°	390.9	391.7	392.0	391.7	391.5	391.2	390.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	436.0	436.3	436.3	435.9	435.4	434.9	434.4
115°	504.7	504.4	504.2	503.9	503.6	503.5	503.2
117.5°	574.5	574.8	574.4	573.4	572.3	571.3	570.2
120°	621.2	621.2	620.6	619.6	618.6	617.5	616.5
122.5°	666.8	666.6	666.1	665.2	664.4	663.6	662.8
125°	734.1	733.6	733.3	733.0	732.7	732.5	732.2
127.5°	801.5	801.3	800.8	800.4	799.9	799.3	798.8
130°	846.0	845.7	845.3	844.8	844.3	843.7	843.2
132.5°	888.5	888.2	887.8	887.1	886.3	885.6	884.8
135°	954.3	954.3	953.8	952.7	951.7	950.7	949.7
137.5°	1018.3	1018.7	1018.2	1016.9	1015.6	1014.3	1013.1
140°	1058.7	1059.3	1058.9	1057.6	1056.3	1055.1	1053.7
142.5°	1098.0	1098.2	1097.8	1096.4	1095.2	1093.9	1092.6
145°	1154.4	1154.4	1154.0	1153.2	1152.4	1151.6	1150.9
147.5°	1207.6	1208.2	1207.6	1205.9	1204.2	1202.4	1200.7
150°	1240.0	1240.0	1239.7	1239.2	1238.7	1238.1	1237.7
152.5°	1271.4	1272.0	1271.9	1271.0	1270.1	1269.1	1268.2
155°	1315.9	1317.0	1316.8	1315.5	1314.3	1313.0	1311.7
157.5°	1354.1	1355.1	1354.8	1353.1	1351.4	1349.7	1348.0
160°	1377.2	1378.2	1378.1	1376.9	1375.6	1374.3	1373.0
162.5°	1399.1	1400.3	1400.3	1398.7	1397.2	1395.8	1394.3
165°	1428.2	1429.1	1428.9	1427.4	1425.8	1424.2	1422.7
167.5°	1450.3	1451.8	1451.8	1450.2	1448.6	1447.0	1445.4
170°	1463.2	1464.7	1464.6	1462.9	1461.1	1459.2	1457.4
172.5°	1472.5	1474.0	1474.0	1472.4	1470.8	1469.2	1467.6
175°	1482.9	1484.4	1484.3	1482.5	1480.7	1478.9	1477.1
177.5°	1487.3	1488.5	1488.4	1486.9	1485.5	1484.1	1482.6
180°	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4	1486.4

(END OF REPORT)