

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: P332139-935

Luminaire Tested: **S123DIW-S560D1320U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332139-935
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: S123DIW-S560D1320U935-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1320 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5997.1 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

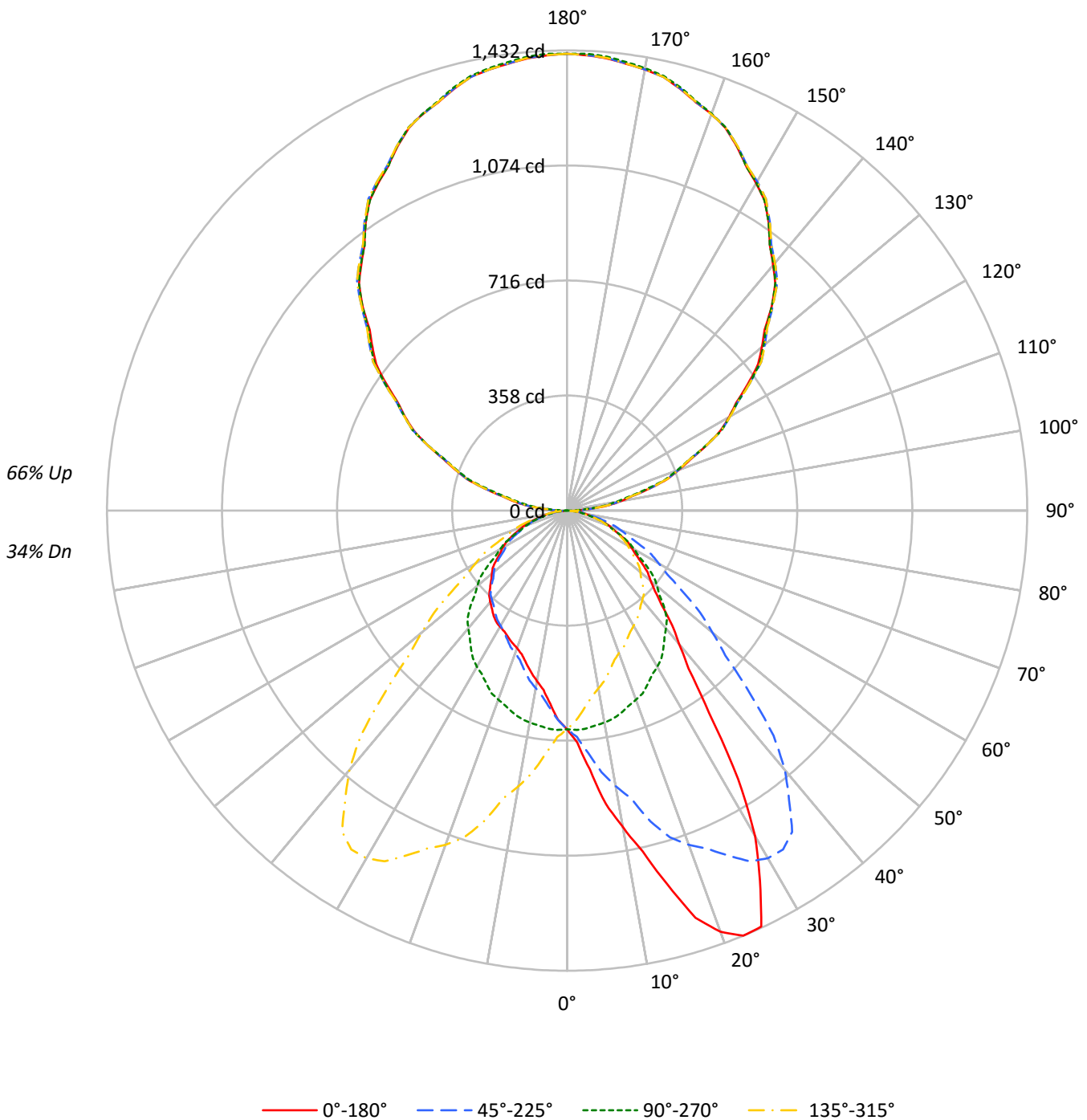
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34								
1	94	90	87	83	85	82	79	76	66	63	61	51	49	48	37	36	36	29								
2	86	79	73	68	78	72	67	62	58	54	51	45	42	40	33	31	30	25								
3	79	70	63	57	71	63	57	52	51	47	43	40	37	34	29	27	26	21								
4	72	62	54	48	65	56	49	44	45	41	37	35	32	29	26	24	22	18								
5	66	55	47	41	59	50	43	38	40	36	32	32	28	26	24	21	20	16								
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17	14								
7	56	44	37	31	51	40	34	29	33	28	24	26	22	20	20	17	15	12								
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	27	23	19	22	18	16	17	14	12	10								
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7326	7326	7326	7326
5°	8737	7358	6521	7358
10°	10935	7321	5889	7321
15°	13412	7261	5483	7261
20°	15978	7170	5220	7170
25°	16966	7058	5162	7058
30°	14542	6976	5189	6976
35°	10113	6859	5243	6859
40°	7617	6724	5227	6724
45°	6325	6520	5160	6520
50°	5667	6107	5114	6107
55°	5296	5662	5050	5662
60°	4969	5197	4997	5197
65°	4669	4737	4837	4737
70°	4378	4214	4607	4214
75°	3922	3689	4225	3689
80°	3434	3025	3639	3025
85°	2692	2198	2445	2198



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	1.1
10°-20°	215.0	3.6
20°-30°	360.8	6.0
30°-40°	408.6	6.8
40°-50°	366.4	6.1
50°-60°	295.7	4.9
60°-70°	206.0	3.4
70°-80°	108.3	1.8
80°-90°	30.7	0.5
90°-100°	92.6	1.5
100°-110°	277.2	4.6
110°-120°	471.4	7.9
120°-130°	620.1	10.3
130°-140°	697.0	11.6
140°-150°	685.1	11.4
150°-160°	576.8	9.6
160°-170°	383.9	6.4
170°-180°	134.4	2.2
0°-30°	642.9	10.7
0°-40°	1051.4	17.5
0°-60°	1713.5	28.6
0°-90°	2058.5	34.3
90°-120°	841.3	14.0
90°-150°	2843.5	47.4
90°-180°	3939.0	65.7
0°-180°	5997.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	681	681	681	681	681	
5°	809	681	604	681	809	84
15°	1204	652	492	652	1204	348
25°	1428	594	435	594	1428	626
35°	770	522	399	522	770	500
45°	416	428	339	428	416	329
55°	282	302	269	302	282	253
65°	183	186	190	186	183	183
75°	94	89	102	89	94	101
85°	22	18	20	18	22	27
90°	34	1	34	1	34	17
95°	87	66	87	66	87	89
105°	266	251	266	251	266	282
115°	476	475	476	475	476	471
125°	687	695	687	695	687	614
135°	900	901	900	901	900	692
145°	1093	1093	1093	1093	1093	682
155°	1250	1252	1250	1252	1250	575
165°	1359	1364	1359	1364	1359	383
175°	1413	1418	1413	1418	1413	134
180°	1422	1422	1422	1422	1422	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	722.3	721.8	720.5	721.5	719.4	716.5	716.3	713.6	705.9	705.4	703.4
5°	808.6	805.9	805.6	805.3	800.6	794.4	782.5	781.5	765.7	757.8	748.2
7.5°	920.3	921.7	916.9	912.7	898.5	889.2	876.5	860.2	840.8	821.0	807.9
10°	1000.5	1011.3	997.8	988.6	980.1	963.9	945.1	921.7	898.3	870.9	850.2
12.5°	1086.5	1091.8	1089.2	1080.4	1067.1	1042.5	1009.2	983.4	961.8	916.3	897.9
15°	1203.6	1223.7	1210.9	1181.2	1181.9	1158.5	1114.9	1067.1	1041.7	1001.8	947.4
17.5°	1328.4	1330.9	1325.4	1300.7	1284.2	1252.1	1211.9	1166.1	1114.6	1066.3	1008.6
20°	1394.9	1392.9	1381.4	1368.5	1340.1	1315.1	1271.2	1220.1	1154.2	1106.6	1043.7
22.5°	1431.8	1428.5	1423.1	1412.3	1388.7	1361.8	1322.4	1266.5	1203.8	1138.3	1065.6
25°	1428.5	1432.8	1433.5	1430.5	1422.3	1406.1	1375.1	1330.6	1267.9	1183.9	1108.0
27.5°	1299.2	1305.3	1322.9	1338.6	1356.1	1373.8	1371.5	1349.4	1303.0	1230.4	1137.6
30°	1170.0	1156.8	1189.5	1230.6	1258.7	1308.1	1335.8	1337.5	1311.5	1249.1	1158.7
32.5°	990.6	1005.1	1019.5	1070.2	1131.5	1187.1	1242.2	1286.6	1291.7	1250.2	1171.1
35°	769.6	787.8	814.2	840.6	906.5	963.2	1060.1	1144.6	1211.9	1220.7	1172.3
37.5°	620.2	629.2	645.8	672.3	715.4	782.7	857.7	964.4	1061.9	1134.4	1137.6
40°	542.1	544.8	563.5	583.7	618.6	674.0	741.7	835.9	952.7	1054.0	1096.1
42.5°	483.5	489.4	497.3	516.7	544.5	586.2	649.0	727.0	834.0	950.5	1033.0
45°	415.5	422.1	427.1	439.9	459.7	487.7	531.6	602.8	684.2	804.6	915.8
47.5°	370.5	371.0	374.7	384.4	397.9	419.0	450.0	495.7	570.5	668.0	782.2
50°	338.4	343.6	344.9	352.5	363.1	378.6	404.3	443.2	504.5	590.3	695.2
52.5°	315.6	317.2	320.9	326.4	335.6	347.7	370.0	400.5	448.6	521.7	618.1
55°	282.2	282.2	285.9	290.2	295.5	306.3	321.2	343.6	380.2	437.0	516.8
57.5°	251.4	253.0	255.6	256.9	261.4	268.6	281.0	298.1	325.4	369.0	432.5
60°	230.8	233.8	233.5	236.1	240.0	245.6	256.2	270.1	294.5	329.4	382.9
62.5°	212.9	212.7	212.7	215.8	219.7	225.1	232.0	243.9	264.7	295.7	341.1
65°	183.3	182.7	185.0	187.0	188.3	192.3	197.5	208.1	222.0	245.0	280.3
67.5°	157.1	155.2	156.4	157.1	159.4	162.5	167.4	173.9	184.9	203.5	230.1
70°	139.1	137.5	137.2	137.8	139.8	142.2	145.8	152.1	162.2	177.1	196.6
72.5°	120.7	119.6	119.5	121.0	121.9	123.4	126.0	131.7	139.8	150.9	169.1
75°	94.3	94.3	94.3	94.6	95.7	96.9	98.9	101.9	108.1	116.1	128.3
77.5°	70.7	70.6	70.3	70.2	71.6	72.2	72.7	75.4	79.0	84.3	93.2
80°	55.4	53.7	54.4	55.4	56.1	56.4	57.3	58.0	61.0	64.0	70.3
82.5°	41.2	39.8	39.9	41.4	41.6	41.8	42.9	43.8	44.9	47.6	51.0
85°	21.8	21.8	22.1	22.1	22.4	22.1	23.1	23.4	23.4	25.1	27.0
87.5°	14.6	13.9	14.1	14.3	13.9	14.0	14.1	14.2	14.3	14.3	13.9
90°	33.5	33.0	32.5	32.0	31.5	30.7	29.8	28.8	27.8	26.8	23.6
92.5°	45.1	45.4	45.7	46.0	46.3	46.1	45.3	44.4	43.7	42.9	41.1
95°	87.1	87.1	87.1	87.1	87.1	86.6	85.6	84.6	83.6	82.7	80.7
97.5°	134.0	134.1	134.2	134.3	134.4	133.9	132.8	131.6	130.4	129.3	127.9
100°	169.7	169.3	168.8	168.2	167.7	167.1	166.3	165.7	164.9	164.2	162.9
102.5°	206.4	206.5	206.6	206.6	206.7	206.5	205.7	204.9	204.2	203.5	201.8
105°	265.8	265.3	264.8	264.3	263.8	263.6	263.6	263.6	263.6	263.6	261.3
107.5°	327.6	328.0	328.2	328.6	328.8	328.6	327.8	327.0	326.2	325.4	324.5
110°	369.6	370.1	370.7	371.1	371.6	371.3	370.4	369.4	368.4	367.4	366.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	414.3	414.4	414.5	414.6	414.7	414.1	412.9	411.7	410.6	409.4	409.3
115°	475.7	476.0	476.2	476.5	476.7	476.7	476.5	476.2	476.0	475.7	476.2
117.5°	538.0	538.7	539.4	540.1	540.8	541.1	541.2	541.3	541.3	541.4	542.0
120°	581.8	582.3	582.8	583.3	583.8	584.2	584.4	584.6	584.9	585.1	586.4
122.5°	623.8	624.5	625.2	625.9	626.5	627.2	627.8	628.5	629.1	629.8	630.4
125°	686.7	687.8	688.7	689.7	690.8	691.7	692.8	693.7	694.7	695.7	696.2
127.5°	749.5	750.7	751.8	752.9	754.1	755.4	756.7	758.1	759.5	761.0	761.5
130°	790.7	792.4	794.1	795.8	797.5	798.9	800.0	800.9	801.9	802.9	803.7
132.5°	833.5	834.8	836.2	837.5	838.9	840.2	841.3	842.5	843.7	844.9	845.4
135°	900.1	900.5	901.0	901.6	902.1	902.8	903.8	904.7	905.8	906.7	907.0
137.5°	958.8	959.8	960.7	961.7	962.6	963.5	964.6	965.6	966.6	967.8	967.1
140°	997.2	998.9	1000.7	1002.5	1004.2	1005.1	1005.4	1005.6	1005.9	1006.2	1005.9
142.5°	1036.6	1037.8	1039.2	1040.5	1041.9	1042.7	1042.9	1043.2	1043.4	1043.7	1043.2
145°	1093.2	1094.2	1095.2	1096.2	1097.3	1097.9	1098.1	1098.3	1098.5	1098.8	1098.1
147.5°	1143.8	1145.2	1146.7	1148.2	1149.7	1150.4	1150.4	1150.4	1150.4	1150.4	1149.7
150°	1175.9	1177.3	1178.9	1180.3	1181.8	1182.6	1182.6	1182.6	1182.6	1182.6	1182.1
152.5°	1207.1	1208.4	1209.7	1211.0	1212.3	1212.7	1212.4	1211.9	1211.6	1211.2	1210.9
155°	1249.6	1251.3	1253.1	1254.8	1256.5	1256.9	1255.9	1254.9	1254.0	1252.9	1252.7
157.5°	1288.2	1289.6	1291.0	1292.4	1293.7	1294.0	1292.9	1291.8	1290.8	1289.8	1289.6
160°	1313.2	1314.2	1315.3	1316.2	1317.2	1317.1	1315.9	1314.6	1313.4	1312.1	1312.1
162.5°	1332.0	1333.6	1335.2	1336.8	1338.3	1338.5	1337.3	1336.0	1334.8	1333.5	1333.3
165°	1359.0	1360.7	1362.5	1364.3	1366.0	1366.1	1364.6	1363.1	1361.6	1360.1	1360.1
167.5°	1382.0	1383.5	1385.1	1386.6	1388.2	1388.2	1386.6	1385.1	1383.5	1382.0	1381.8
170°	1393.6	1395.3	1397.1	1398.9	1400.6	1400.6	1398.9	1397.1	1395.3	1393.6	1393.6
172.5°	1402.6	1404.3	1406.0	1407.8	1409.5	1409.6	1408.1	1406.5	1405.0	1403.4	1403.4
175°	1412.6	1414.4	1416.1	1417.8	1419.5	1419.7	1418.2	1416.7	1415.2	1413.8	1413.8
177.5°	1418.0	1419.4	1420.7	1422.1	1423.6	1423.7	1422.5	1421.3	1420.0	1418.8	1418.8
180°	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	701.7	699.6	697.5	693.8	690.6	686.1	684.8	683.3	678.6	674.2	671.1
5°	744.6	736.7	725.1	714.5	706.0	694.5	687.9	681.0	671.1	662.2	654.9
7.5°	789.5	773.9	756.0	736.6	718.5	701.0	687.0	674.5	660.6	647.5	637.3
10°	825.1	802.6	777.6	750.5	727.5	705.0	686.2	669.8	651.9	636.5	623.5
12.5°	865.6	832.4	797.9	765.0	737.7	706.6	683.9	662.9	642.7	624.1	609.6
15°	913.8	871.6	830.7	785.5	743.9	705.0	678.0	651.6	628.2	609.1	590.6
17.5°	957.5	909.7	855.8	800.9	750.8	704.6	666.8	637.0	607.7	584.3	565.8
20°	982.3	927.9	866.9	809.9	754.5	703.0	661.5	625.9	594.3	569.5	548.7
22.5°	1003.8	940.0	876.9	816.0	754.2	698.8	651.8	615.1	580.7	556.6	534.5
25°	1025.9	949.7	886.4	814.9	745.9	688.5	635.8	594.3	559.9	531.6	508.9
27.5°	1044.9	949.1	873.9	796.9	732.9	675.4	619.1	574.5	538.0	507.2	484.1
30°	1057.6	950.4	861.0	784.8	720.2	660.8	606.1	561.3	523.0	491.6	469.9
32.5°	1065.5	949.6	849.1	767.9	700.2	647.6	592.1	545.7	506.4	475.6	454.6
35°	1070.1	943.7	828.7	733.1	667.8	616.6	570.2	522.0	480.8	452.1	428.3
37.5°	1060.8	931.6	804.9	699.4	627.9	577.6	538.5	497.5	458.1	426.5	406.0
40°	1046.3	923.7	786.4	675.7	600.5	552.0	518.8	478.5	439.5	409.6	390.5
42.5°	1018.6	907.6	766.2	649.3	572.0	523.5	492.8	459.3	422.4	394.3	375.1
45°	951.1	872.5	735.7	609.8	529.9	479.8	452.8	428.3	395.0	367.6	351.2
47.5°	857.2	819.8	691.6	568.0	486.0	437.8	409.7	390.0	365.7	343.6	327.8
50°	792.1	776.6	661.9	539.5	456.7	409.6	382.5	364.7	347.2	325.1	310.6
52.5°	716.9	726.4	627.0	510.0	426.9	380.6	355.1	341.0	325.1	306.9	294.3
55°	611.1	645.7	566.9	460.4	382.5	338.4	314.3	301.7	292.5	279.0	268.1
57.5°	512.0	555.9	501.8	409.2	338.9	300.8	277.8	264.1	258.1	251.1	242.5
60°	453.1	496.6	455.4	375.0	309.6	273.4	253.0	241.4	235.5	230.5	223.3
62.5°	400.6	444.6	410.0	340.1	280.9	247.3	229.5	218.2	213.5	210.9	204.7
65°	328.5	366.4	343.3	285.9	239.7	210.1	193.9	186.0	181.7	180.7	176.8
67.5°	267.3	296.2	279.4	237.1	200.8	175.1	161.4	154.7	151.4	151.1	148.1
70°	227.2	254.3	241.4	203.1	171.8	151.7	139.8	133.9	131.9	131.6	129.9
72.5°	196.0	214.9	204.7	172.8	148.6	130.4	121.6	115.4	113.1	113.7	112.5
75°	145.1	159.3	153.3	131.2	111.8	99.9	92.6	88.7	86.7	87.7	86.4
77.5°	104.4	113.4	108.1	92.7	80.8	72.2	66.8	64.4	62.6	62.5	61.9
80°	78.8	84.1	81.1	71.9	62.0	54.8	50.5	48.8	47.8	47.5	47.2
82.5°	56.1	60.6	57.1	50.8	44.1	39.7	37.3	35.1	34.4	34.5	34.3
85°	28.3	30.0	28.7	24.7	22.1	20.1	18.8	17.8	17.1	17.5	16.8
87.5°	13.9	13.4	12.1	10.4	9.4	8.1	7.6	6.5	6.5	7.1	7.2
90°	20.3	17.1	13.9	11.0	8.5	6.1	3.6	1.1	3.6	6.1	8.5
92.5°	39.2	37.4	35.6	33.8	32.1	30.4	28.7	27.0	28.7	30.4	32.1
95°	78.7	76.7	74.7	72.8	71.1	69.4	67.6	65.9	67.6	69.4	71.1
97.5°	126.4	125.0	123.6	122.2	120.9	119.6	118.3	117.0	118.3	119.6	120.9
100°	161.7	160.4	159.2	157.8	156.4	154.8	153.3	151.9	153.3	154.8	156.4
102.5°	200.2	198.5	196.9	195.6	194.8	193.9	193.0	192.1	193.0	193.9	194.8
105°	259.1	256.8	254.6	253.2	252.7	252.3	251.8	251.2	251.8	252.3	252.7
107.5°	323.6	322.7	321.8	321.2	321.0	320.6	320.4	320.0	320.4	320.6	321.0
110°	366.4	365.9	365.4	364.9	364.4	363.9	363.4	362.9	363.4	363.9	364.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	409.1	409.1	409.0	408.8	408.5	408.2	407.9	407.6	407.9	408.2	408.5
115°	476.7	477.2	477.7	477.6	476.8	476.0	475.4	474.6	475.4	476.0	476.8
117.5°	542.7	543.3	544.0	544.1	543.5	543.0	542.5	542.1	542.5	543.0	543.5
120°	587.6	588.8	590.1	590.0	588.5	587.0	585.5	584.0	585.5	587.0	588.5
122.5°	631.1	631.7	632.4	632.1	631.1	630.0	628.9	627.8	628.9	630.0	631.1
125°	696.7	697.2	697.7	697.6	696.8	696.0	695.3	694.6	695.3	696.0	696.8
127.5°	762.0	762.6	763.1	762.6	761.0	759.4	757.9	756.2	757.9	759.4	761.0
130°	804.4	805.1	805.9	805.3	803.3	801.3	799.3	797.3	799.3	801.3	803.3
132.5°	846.0	846.5	847.1	846.4	844.4	842.4	840.4	838.4	840.4	842.4	844.4
135°	907.2	907.5	907.8	907.1	905.6	904.1	902.7	901.2	902.7	904.1	905.6
137.5°	966.5	965.8	965.2	964.2	962.9	961.7	960.4	959.2	960.4	961.7	962.9
140°	1005.6	1005.4	1005.1	1004.4	1003.2	1001.9	1000.7	999.4	1000.7	1001.9	1003.2
142.5°	1042.8	1042.3	1041.9	1041.0	1039.8	1038.5	1037.3	1036.0	1037.3	1038.5	1039.8
145°	1097.3	1096.6	1095.9	1095.2	1094.8	1094.2	1093.7	1093.2	1093.7	1094.2	1094.8
147.5°	1149.0	1148.3	1147.6	1146.9	1146.0	1145.0	1144.2	1143.2	1144.2	1145.0	1146.0
150°	1181.6	1181.1	1180.6	1180.1	1179.6	1179.1	1178.6	1178.1	1178.6	1179.1	1179.6
152.5°	1210.6	1210.3	1210.0	1209.4	1208.8	1208.1	1207.4	1206.7	1207.4	1208.1	1208.8
155°	1252.4	1252.2	1252.0	1251.8	1251.8	1251.8	1251.8	1251.8	1251.8	1251.8	1251.8
157.5°	1289.3	1289.2	1289.0	1289.0	1289.3	1289.6	1290.0	1290.2	1290.0	1289.6	1289.3
160°	1312.1	1312.1	1312.1	1312.3	1312.9	1313.4	1313.9	1314.3	1313.9	1313.4	1312.9
162.5°	1333.2	1333.0	1332.7	1333.0	1333.7	1334.4	1335.1	1335.8	1335.1	1334.4	1333.7
165°	1360.1	1360.1	1360.1	1360.6	1361.2	1362.0	1362.7	1363.5	1362.7	1362.0	1361.2
167.5°	1381.6	1381.4	1381.2	1381.6	1382.6	1383.6	1384.6	1385.6	1384.6	1383.6	1382.6
170°	1393.6	1393.6	1393.6	1394.1	1395.2	1396.1	1397.1	1398.1	1397.1	1396.1	1395.2
172.5°	1403.4	1403.4	1403.4	1403.9	1405.0	1405.9	1407.0	1407.9	1407.0	1405.9	1405.0
175°	1413.8	1413.8	1413.8	1414.2	1415.2	1416.3	1417.2	1418.2	1417.2	1416.3	1415.2
177.5°	1418.8	1418.8	1418.8	1419.3	1420.0	1420.8	1421.7	1422.5	1421.7	1420.8	1420.0
180°	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	669.3	667.4	664.8	660.8	657.6	652.6	652.6	653.4	653.4	653.2	652.6
5°	648.9	644.0	638.1	631.2	623.9	616.6	615.4	612.7	610.7	609.4	607.8
7.5°	627.5	618.8	610.1	600.5	591.6	584.3	579.2	575.0	572.2	569.4	567.2
10°	613.0	602.1	591.9	581.7	570.5	561.5	555.9	552.0	549.1	546.4	545.1
12.5°	595.9	583.4	572.1	562.4	550.2	541.0	535.6	533.8	530.3	524.8	521.9
15°	570.8	559.3	545.8	530.9	525.0	513.8	507.5	504.5	502.6	498.3	497.0
17.5°	549.4	534.3	519.1	508.0	497.0	487.9	484.4	480.7	478.1	474.6	473.6
20°	532.3	518.8	504.9	493.0	481.5	471.6	468.6	466.0	463.3	461.7	460.4
22.5°	514.8	501.3	489.8	478.7	466.4	459.9	456.7	453.8	451.9	450.8	449.5
25°	490.3	478.5	465.6	455.7	445.8	441.5	439.5	437.9	436.6	435.0	434.6
27.5°	468.5	455.6	445.1	435.8	428.8	425.2	423.3	422.5	422.8	423.4	423.7
30°	452.1	440.2	431.6	423.7	417.2	413.9	413.5	413.5	414.8	415.2	415.9
32.5°	437.0	427.3	418.7	411.0	406.0	403.8	405.1	405.1	406.1	407.0	408.2
35°	415.2	406.6	400.0	393.4	389.1	390.1	390.7	391.4	393.0	395.0	396.4
37.5°	394.3	386.8	380.0	374.8	372.8	374.6	376.2	377.5	379.5	381.0	382.3
40°	379.2	373.6	367.0	362.4	363.1	364.0	365.4	367.0	368.7	369.6	371.0
42.5°	365.2	359.4	354.4	350.5	351.5	352.8	353.5	354.4	356.3	358.1	358.9
45°	344.0	339.3	334.7	332.4	333.0	333.7	334.4	335.4	337.0	338.4	338.6
47.5°	320.0	316.8	313.7	311.4	312.5	312.2	313.1	315.2	315.7	316.5	318.3
50°	304.7	301.7	298.1	297.5	297.5	297.5	297.7	300.4	300.4	301.7	303.1
52.5°	287.8	285.9	283.6	282.4	281.9	281.9	283.3	284.6	285.1	287.0	288.3
55°	262.8	260.8	258.9	257.9	257.2	257.9	260.5	261.1	262.8	263.8	264.8
57.5°	236.8	235.2	233.7	233.2	233.0	233.8	235.3	237.3	237.7	240.7	242.2
60°	219.6	217.3	216.0	216.0	215.3	218.3	217.7	220.9	221.6	223.6	225.9
62.5°	201.9	198.8	198.3	198.3	199.2	200.1	201.0	202.5	204.2	206.7	208.4
65°	173.5	171.8	174.1	173.7	173.1	175.1	175.1	176.8	178.7	181.1	184.7
67.5°	146.5	145.6	145.9	145.9	146.8	147.9	148.9	150.3	152.7	155.2	157.5
70°	128.3	129.2	127.6	129.0	129.9	130.3	130.9	132.9	135.5	137.2	139.8
72.5°	110.6	110.6	110.7	111.2	112.3	112.9	113.5	115.7	118.6	120.0	122.2
75°	85.1	84.7	85.8	85.8	87.4	88.1	88.7	89.7	92.3	94.3	96.0
77.5°	62.2	62.5	62.3	63.5	63.0	63.1	65.2	66.1	66.4	70.3	71.2
80°	46.8	47.5	47.8	48.1	48.5	47.8	50.1	51.1	51.1	53.4	55.1
82.5°	33.7	34.0	34.9	35.2	35.3	35.9	36.2	36.9	37.6	38.7	40.8
85°	16.8	17.8	18.2	17.8	18.2	17.5	18.4	18.8	19.1	19.1	19.1
87.5°	7.5	8.4	8.7	9.6	10.0	10.9	11.1	10.8	10.9	12.0	11.0
90°	11.0	13.9	17.1	20.3	23.6	26.8	27.8	28.8	29.8	30.7	31.5
92.5°	33.8	35.6	37.4	39.2	41.1	42.9	43.7	44.4	45.3	46.1	46.3
95°	72.8	74.7	76.7	78.7	80.7	82.7	83.6	84.6	85.6	86.6	87.1
97.5°	122.2	123.6	125.0	126.4	127.9	129.3	130.4	131.6	132.8	133.9	134.4
100°	157.8	159.2	160.4	161.7	162.9	164.2	164.9	165.7	166.3	167.1	167.7
102.5°	195.6	196.9	198.5	200.2	201.8	203.5	204.2	204.9	205.7	206.5	206.7
105°	253.2	254.6	256.8	259.1	261.3	263.6	263.6	263.6	263.6	263.6	263.8
107.5°	321.2	321.8	322.7	323.6	324.5	325.4	326.2	327.0	327.8	328.6	328.8
110°	364.9	365.4	365.9	366.4	366.9	367.4	368.4	369.4	370.4	371.3	371.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	408.8	409.0	409.1	409.1	409.3	409.4	410.6	411.7	412.9	414.1	414.7
115°	477.6	477.7	477.2	476.7	476.2	475.7	476.0	476.2	476.5	476.7	476.7
117.5°	544.1	544.0	543.3	542.7	542.0	541.4	541.3	541.3	541.2	541.1	540.8
120°	590.0	590.1	588.8	587.6	586.4	585.1	584.9	584.6	584.4	584.2	583.8
122.5°	632.1	632.4	631.7	631.1	630.4	629.8	629.1	628.5	627.8	627.2	626.5
125°	697.6	697.7	697.2	696.7	696.2	695.7	694.7	693.7	692.8	691.7	690.8
127.5°	762.6	763.1	762.6	762.0	761.5	761.0	759.5	758.1	756.7	755.4	754.1
130°	805.3	805.9	805.1	804.4	803.7	802.9	801.9	800.9	800.0	798.9	797.5
132.5°	846.4	847.1	846.5	846.0	845.4	844.9	843.7	842.5	841.3	840.2	838.9
135°	907.1	907.8	907.5	907.2	907.0	906.7	905.8	904.7	903.8	902.8	902.1
137.5°	964.2	965.2	965.8	966.5	967.1	967.8	966.6	965.6	964.6	963.5	962.6
140°	1004.4	1005.1	1005.4	1005.6	1005.9	1006.2	1005.9	1005.6	1005.4	1005.1	1004.2
142.5°	1041.0	1041.9	1042.3	1042.8	1043.2	1043.7	1043.4	1043.2	1042.9	1042.7	1041.9
145°	1095.2	1095.9	1096.6	1097.3	1098.1	1098.8	1098.5	1098.3	1098.1	1097.9	1097.3
147.5°	1146.9	1147.6	1148.3	1149.0	1149.7	1150.4	1150.4	1150.4	1150.4	1150.4	1149.7
150°	1180.1	1180.6	1181.1	1181.6	1182.1	1182.6	1182.6	1182.6	1182.6	1182.6	1181.8
152.5°	1209.4	1210.0	1210.3	1210.6	1210.9	1211.2	1211.6	1211.9	1212.4	1212.7	1212.3
155°	1251.8	1252.0	1252.2	1252.4	1252.7	1252.9	1254.0	1254.9	1255.9	1256.9	1256.5
157.5°	1289.0	1289.0	1289.2	1289.3	1289.6	1289.8	1290.8	1291.8	1292.9	1294.0	1293.7
160°	1312.3	1312.1	1312.1	1312.1	1312.1	1312.1	1313.4	1314.6	1315.9	1317.1	1317.2
162.5°	1333.0	1332.7	1333.0	1333.2	1333.3	1333.5	1334.8	1336.0	1337.3	1338.5	1338.3
165°	1360.6	1360.1	1360.1	1360.1	1360.1	1360.1	1361.6	1363.1	1364.6	1366.1	1366.0
167.5°	1381.6	1381.2	1381.4	1381.6	1381.8	1382.0	1383.5	1385.1	1386.6	1388.2	1388.2
170°	1394.1	1393.6	1393.6	1393.6	1393.6	1393.6	1395.3	1397.1	1398.9	1400.6	1400.6
172.5°	1403.9	1403.4	1403.4	1403.4	1403.4	1403.4	1405.0	1406.5	1408.1	1409.6	1409.5
175°	1414.2	1413.8	1413.8	1413.8	1413.8	1413.8	1415.2	1416.7	1418.2	1419.7	1419.5
177.5°	1419.3	1418.8	1418.8	1418.8	1418.8	1418.8	1420.0	1421.3	1422.5	1423.7	1423.6
180°	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	650.8	650.6	652.4	651.1	652.4	650.6	650.8	652.6	653.2	653.4	653.4
5°	605.8	606.7	603.5	603.5	603.5	606.7	605.8	607.8	609.4	610.7	612.7
7.5°	565.7	564.2	564.4	562.6	564.4	564.2	565.7	567.2	569.4	572.2	575.0
10°	541.1	539.2	538.5	538.8	538.5	539.2	541.1	545.1	546.4	549.1	552.0
12.5°	520.8	520.4	516.1	516.2	516.1	520.4	520.8	521.9	524.8	530.3	533.8
15°	497.0	490.7	490.0	492.0	490.0	490.7	497.0	497.0	498.3	502.6	504.5
17.5°	473.0	469.7	469.9	468.9	469.9	469.7	473.0	473.6	474.6	478.1	480.7
20°	460.4	458.4	458.1	455.7	458.1	458.4	460.4	460.4	461.7	463.3	466.0
22.5°	448.8	448.1	448.2	445.7	448.2	448.1	448.8	449.5	450.8	451.9	453.8
25°	434.3	435.9	434.6	434.6	434.6	435.9	434.3	434.6	435.0	436.6	437.9
27.5°	424.6	424.5	423.8	423.8	423.8	424.5	424.6	423.7	423.4	422.8	422.5
30°	417.2	416.8	417.5	417.5	417.5	416.8	417.2	415.9	415.2	414.8	413.5
32.5°	409.7	410.2	410.4	410.6	410.4	410.2	409.7	408.2	407.0	406.1	405.1
35°	398.4	398.6	399.7	399.0	399.7	398.6	398.4	396.4	395.0	393.0	391.4
37.5°	382.9	384.4	384.1	384.6	384.1	384.4	382.9	382.3	381.0	379.5	377.5
40°	371.3	372.3	372.0	372.0	372.0	372.3	371.3	371.0	369.6	368.7	367.0
42.5°	359.5	360.2	359.3	358.8	359.3	360.2	359.5	358.9	358.1	356.3	354.4
45°	340.0	339.3	340.4	339.0	340.4	339.3	340.0	338.6	338.4	337.0	335.4
47.5°	318.2	318.9	319.2	320.1	319.2	318.9	318.2	318.3	316.5	315.7	315.2
50°	303.7	305.7	305.7	305.4	305.7	305.7	303.7	303.1	301.7	300.4	300.4
52.5°	289.5	290.4	291.7	291.6	291.7	290.4	289.5	288.3	287.0	285.1	284.6
55°	267.4	268.1	268.7	269.1	268.7	268.1	267.4	264.8	263.8	262.8	261.1
57.5°	244.6	244.4	245.9	246.4	245.9	244.4	244.6	242.2	240.7	237.7	237.3
60°	228.5	228.5	231.2	232.1	231.2	228.5	228.5	225.9	223.6	221.6	220.9
62.5°	211.4	212.4	215.1	213.7	215.1	212.4	211.4	208.4	206.7	204.2	202.5
65°	186.3	189.0	188.6	189.9	188.6	189.0	186.3	184.7	181.1	178.7	176.8
67.5°	160.1	161.8	164.2	164.4	164.2	161.8	160.1	157.5	155.2	152.7	150.3
70°	142.5	144.1	145.4	146.4	145.4	144.1	142.5	139.8	137.2	135.5	132.9
72.5°	125.3	126.1	129.3	127.9	129.3	126.1	125.3	122.2	120.0	118.6	115.7
75°	98.2	100.6	102.5	101.6	102.5	100.6	98.2	96.0	94.3	92.3	89.7
77.5°	72.7	75.0	75.9	75.1	75.9	75.0	72.7	71.2	70.3	66.4	66.1
80°	57.3	57.1	59.1	58.7	59.1	57.1	57.3	55.1	53.4	51.1	51.1
82.5°	42.1	41.8	42.7	42.9	42.7	41.8	42.1	40.8	38.7	37.6	36.9
85°	20.4	21.4	20.1	19.8	20.1	21.4	20.4	19.1	19.1	19.1	18.8
87.5°	11.2	11.3	11.1	10.9	11.1	11.3	11.2	11.0	12.0	10.9	10.8
90°	32.0	32.5	33.0	33.5	33.0	32.5	32.0	31.5	30.7	29.8	28.8
92.5°	46.0	45.7	45.4	45.1	45.4	45.7	46.0	46.3	46.1	45.3	44.4
95°	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	86.6	85.6	84.6
97.5°	134.3	134.2	134.1	134.0	134.1	134.2	134.3	134.4	133.9	132.8	131.6
100°	168.2	168.8	169.3	169.7	169.3	168.8	168.2	167.7	167.1	166.3	165.7
102.5°	206.6	206.6	206.5	206.4	206.5	206.6	206.6	206.7	206.5	205.7	204.9
105°	264.3	264.8	265.3	265.8	265.3	264.8	264.3	263.8	263.6	263.6	263.6
107.5°	328.6	328.2	328.0	327.6	328.0	328.2	328.6	328.8	328.6	327.8	327.0
110°	371.1	370.7	370.1	369.6	370.1	370.7	371.1	371.6	371.3	370.4	369.4



TEST NUMBER: P332139-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	414.6	414.5	414.4	414.3	414.4	414.5	414.6	414.7	414.1	412.9	411.7
115°	476.5	476.2	476.0	475.7	476.0	476.2	476.5	476.7	476.7	476.5	476.2
117.5°	540.1	539.4	538.7	538.0	538.7	539.4	540.1	540.8	541.1	541.2	541.3
120°	583.3	582.8	582.3	581.8	582.3	582.8	583.3	583.8	584.2	584.4	584.6
122.5°	625.9	625.2	624.5	623.8	624.5	625.2	625.9	626.5	627.2	627.8	628.5
125°	689.7	688.7	687.8	686.7	687.8	688.7	689.7	690.8	691.7	692.8	693.7
127.5°	752.9	751.8	750.7	749.5	750.7	751.8	752.9	754.1	755.4	756.7	758.1
130°	795.8	794.1	792.4	790.7	792.4	794.1	795.8	797.5	798.9	800.0	800.9
132.5°	837.5	836.2	834.8	833.5	834.8	836.2	837.5	838.9	840.2	841.3	842.5
135°	901.6	901.0	900.5	900.1	900.5	901.0	901.6	902.1	902.8	903.8	904.7
137.5°	961.7	960.7	959.8	958.8	959.8	960.7	961.7	962.6	963.5	964.6	965.6
140°	1002.5	1000.7	998.9	997.2	998.9	1000.7	1002.5	1004.2	1005.1	1005.4	1005.6
142.5°	1040.5	1039.2	1037.8	1036.6	1037.8	1039.2	1040.5	1041.9	1042.7	1042.9	1043.2
145°	1096.2	1095.2	1094.2	1093.2	1094.2	1095.2	1096.2	1097.3	1097.9	1098.1	1098.3
147.5°	1148.2	1146.7	1145.2	1143.8	1145.2	1146.7	1148.2	1149.7	1150.4	1150.4	1150.4
150°	1180.3	1178.9	1177.3	1175.9	1177.3	1178.9	1180.3	1181.8	1182.6	1182.6	1182.6
152.5°	1211.0	1209.7	1208.4	1207.1	1208.4	1209.7	1211.0	1212.3	1212.7	1212.4	1211.9
155°	1254.8	1253.1	1251.3	1249.6	1251.3	1253.1	1254.8	1256.5	1256.9	1255.9	1254.9
157.5°	1292.4	1291.0	1289.6	1288.2	1289.6	1291.0	1292.4	1293.7	1294.0	1292.9	1291.8
160°	1316.2	1315.3	1314.2	1313.2	1314.2	1315.3	1316.2	1317.2	1317.1	1315.9	1314.6
162.5°	1336.8	1335.2	1333.6	1332.0	1333.6	1335.2	1336.8	1338.3	1338.5	1337.3	1336.0
165°	1364.3	1362.5	1360.7	1359.0	1360.7	1362.5	1364.3	1366.0	1366.1	1364.6	1363.1
167.5°	1386.6	1385.1	1383.5	1382.0	1383.5	1385.1	1386.6	1388.2	1388.2	1386.6	1385.1
170°	1398.9	1397.1	1395.3	1393.6	1395.3	1397.1	1398.9	1400.6	1400.6	1398.9	1397.1
172.5°	1407.8	1406.0	1404.3	1402.6	1404.3	1406.0	1407.8	1409.5	1409.6	1408.1	1406.5
175°	1417.8	1416.1	1414.4	1412.6	1414.4	1416.1	1417.8	1419.5	1419.7	1418.2	1416.7
177.5°	1422.1	1420.7	1419.4	1418.0	1419.4	1420.7	1422.1	1423.6	1423.7	1422.5	1421.3
180°	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	652.6	652.6	657.6	660.8	664.8	667.4	669.3	671.1	674.2	678.6	683.3
5°	615.4	616.6	623.9	631.2	638.1	644.0	648.9	654.9	662.2	671.1	681.0
7.5°	579.2	584.3	591.6	600.5	610.1	618.8	627.5	637.3	647.5	660.6	674.5
10°	555.9	561.5	570.5	581.7	591.9	602.1	613.0	623.5	636.5	651.9	669.8
12.5°	535.6	541.0	550.2	562.4	572.1	583.4	595.9	609.6	624.1	642.7	662.9
15°	507.5	513.8	525.0	530.9	545.8	559.3	570.8	590.6	609.1	628.2	651.6
17.5°	484.4	487.9	497.0	508.0	519.1	534.3	549.4	565.8	584.3	607.7	637.0
20°	468.6	471.6	481.5	493.0	504.9	518.8	532.3	548.7	569.5	594.3	625.9
22.5°	456.7	459.9	466.4	478.7	489.8	501.3	514.8	534.5	556.6	580.7	615.1
25°	439.5	441.5	445.8	455.7	465.6	478.5	490.3	508.9	531.6	559.9	594.3
27.5°	423.3	425.2	428.8	435.8	445.1	455.6	468.5	484.1	507.2	538.0	574.5
30°	413.5	413.9	417.2	423.7	431.6	440.2	452.1	469.9	491.6	523.0	561.3
32.5°	405.1	403.8	406.0	411.0	418.7	427.3	437.0	454.6	475.6	506.4	545.7
35°	390.7	390.1	389.1	393.4	400.0	406.6	415.2	428.3	452.1	480.8	522.0
37.5°	376.2	374.6	372.8	374.8	380.0	386.8	394.3	406.0	426.5	458.1	497.5
40°	365.4	364.0	363.1	362.4	367.0	373.6	379.2	390.5	409.6	439.5	478.5
42.5°	353.5	352.8	351.5	350.5	354.4	359.4	365.2	375.1	394.3	422.4	459.3
45°	334.4	333.7	333.0	332.4	334.7	339.3	344.0	351.2	367.6	395.0	428.3
47.5°	313.1	312.2	312.5	311.4	313.7	316.8	320.0	327.8	343.6	365.7	390.0
50°	297.7	297.5	297.5	297.5	298.1	301.7	304.7	310.6	325.1	347.2	364.7
52.5°	283.3	281.9	281.9	282.4	283.6	285.9	287.8	294.3	306.9	325.1	341.0
55°	260.5	257.9	257.2	257.9	258.9	260.8	262.8	268.1	279.0	292.5	301.7
57.5°	235.3	233.8	233.0	233.2	233.7	235.2	236.8	242.5	251.1	258.1	264.1
60°	217.7	218.3	215.3	216.0	216.0	217.3	219.6	223.3	230.5	235.5	241.4
62.5°	201.0	200.1	199.2	198.3	198.3	198.8	201.9	204.7	210.9	213.5	218.2
65°	175.1	175.1	173.1	173.7	174.1	171.8	173.5	176.8	180.7	181.7	186.0
67.5°	148.9	147.9	146.8	145.9	145.9	145.6	146.5	148.1	151.1	151.4	154.7
70°	130.9	130.3	129.9	129.0	127.6	129.2	128.3	129.9	131.6	131.9	133.9
72.5°	113.5	112.9	112.3	111.2	110.7	110.6	110.6	112.5	113.7	113.1	115.4
75°	88.7	88.1	87.4	85.8	85.8	84.7	85.1	86.4	87.7	86.7	88.7
77.5°	65.2	63.1	63.0	63.5	62.3	62.5	62.2	61.9	62.5	62.6	64.4
80°	50.1	47.8	48.5	48.1	47.8	47.5	46.8	47.2	47.5	47.8	48.8
82.5°	36.2	35.9	35.3	35.2	34.9	34.0	33.7	34.3	34.5	34.4	35.1
85°	18.4	17.5	18.2	17.8	18.2	17.8	16.8	16.8	17.5	17.1	17.8
87.5°	11.1	10.9	10.0	9.6	8.7	8.4	7.5	7.2	7.1	6.5	6.5
90°	27.8	26.8	23.6	20.3	17.1	13.9	11.0	8.5	6.1	3.6	1.1
92.5°	43.7	42.9	41.1	39.2	37.4	35.6	33.8	32.1	30.4	28.7	27.0
95°	83.6	82.7	80.7	78.7	76.7	74.7	72.8	71.1	69.4	67.6	65.9
97.5°	130.4	129.3	127.9	126.4	125.0	123.6	122.2	120.9	119.6	118.3	117.0
100°	164.9	164.2	162.9	161.7	160.4	159.2	157.8	156.4	154.8	153.3	151.9
102.5°	204.2	203.5	201.8	200.2	198.5	196.9	195.6	194.8	193.9	193.0	192.1
105°	263.6	263.6	261.3	259.1	256.8	254.6	253.2	252.7	252.3	251.8	251.2
107.5°	326.2	325.4	324.5	323.6	322.7	321.8	321.2	321.0	320.6	320.4	320.0
110°	368.4	367.4	366.9	366.4	365.9	365.4	364.9	364.4	363.9	363.4	362.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	410.6	409.4	409.3	409.1	409.1	409.0	408.8	408.5	408.2	407.9	407.6
115°	476.0	475.7	476.2	476.7	477.2	477.7	477.6	476.8	476.0	475.4	474.6
117.5°	541.3	541.4	542.0	542.7	543.3	544.0	544.1	543.5	543.0	542.5	542.1
120°	584.9	585.1	586.4	587.6	588.8	590.1	590.0	588.5	587.0	585.5	584.0
122.5°	629.1	629.8	630.4	631.1	631.7	632.4	632.1	631.1	630.0	628.9	627.8
125°	694.7	695.7	696.2	696.7	697.2	697.7	697.6	696.8	696.0	695.3	694.6
127.5°	759.5	761.0	761.5	762.0	762.6	763.1	762.6	761.0	759.4	757.9	756.2
130°	801.9	802.9	803.7	804.4	805.1	805.9	805.3	803.3	801.3	799.3	797.3
132.5°	843.7	844.9	845.4	846.0	846.5	847.1	846.4	844.4	842.4	840.4	838.4
135°	905.8	906.7	907.0	907.2	907.5	907.8	907.1	905.6	904.1	902.7	901.2
137.5°	966.6	967.8	967.1	966.5	965.8	965.2	964.2	962.9	961.7	960.4	959.2
140°	1005.9	1006.2	1005.9	1005.6	1005.4	1005.1	1004.4	1003.2	1001.9	1000.7	999.4
142.5°	1043.4	1043.7	1043.2	1042.8	1042.3	1041.9	1041.0	1039.8	1038.5	1037.3	1036.0
145°	1098.5	1098.8	1098.1	1097.3	1096.6	1095.9	1095.2	1094.8	1094.2	1093.7	1093.2
147.5°	1150.4	1150.4	1149.7	1149.0	1148.3	1147.6	1146.9	1146.0	1145.0	1144.2	1143.2
150°	1182.6	1182.6	1182.1	1181.6	1181.1	1180.6	1180.1	1179.6	1179.1	1178.6	1178.1
152.5°	1211.6	1211.2	1210.9	1210.6	1210.3	1210.0	1209.4	1208.8	1208.1	1207.4	1206.7
155°	1254.0	1252.9	1252.7	1252.4	1252.2	1252.0	1251.8	1251.8	1251.8	1251.8	1251.8
157.5°	1290.8	1289.8	1289.6	1289.3	1289.2	1289.0	1289.0	1289.3	1289.6	1290.0	1290.2
160°	1313.4	1312.1	1312.1	1312.1	1312.1	1312.1	1312.3	1312.9	1313.4	1313.9	1314.3
162.5°	1334.8	1333.5	1333.3	1333.2	1333.0	1332.7	1333.0	1333.7	1334.4	1335.1	1335.8
165°	1361.6	1360.1	1360.1	1360.1	1360.1	1360.1	1360.6	1361.2	1362.0	1362.7	1363.5
167.5°	1383.5	1382.0	1381.8	1381.6	1381.4	1381.2	1381.6	1382.6	1383.6	1384.6	1385.6
170°	1395.3	1393.6	1393.6	1393.6	1393.6	1393.6	1394.1	1395.2	1396.1	1397.1	1398.1
172.5°	1405.0	1403.4	1403.4	1403.4	1403.4	1403.4	1403.9	1405.0	1405.9	1407.0	1407.9
175°	1415.2	1413.8	1413.8	1413.8	1413.8	1413.8	1414.2	1415.2	1416.3	1417.2	1418.2
177.5°	1420.0	1418.8	1418.8	1418.8	1418.8	1418.8	1419.3	1420.0	1420.8	1421.7	1422.5
180°	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	684.8	686.1	690.6	693.8	697.5	699.6	701.7	703.4	705.4	705.9	713.6
5°	687.9	694.5	706.0	714.5	725.1	736.7	744.6	748.2	757.8	765.7	781.5
7.5°	687.0	701.0	718.5	736.6	756.0	773.9	789.5	807.9	821.0	840.8	860.2
10°	686.2	705.0	727.5	750.5	777.6	802.6	825.1	850.2	870.9	898.3	921.7
12.5°	683.9	706.6	737.7	765.0	797.9	832.4	865.6	897.9	916.3	961.8	983.4
15°	678.0	705.0	743.9	785.5	830.7	871.6	913.8	947.4	1001.8	1041.7	1067.1
17.5°	666.8	704.6	750.8	800.9	855.8	909.7	957.5	1008.6	1066.3	1114.6	1166.1
20°	661.5	703.0	754.5	809.9	866.9	927.9	982.3	1043.7	1106.6	1154.2	1220.1
22.5°	651.8	698.8	754.2	816.0	876.9	940.0	1003.8	1065.6	1138.3	1203.8	1266.5
25°	635.8	688.5	745.9	814.9	886.4	949.7	1025.9	1108.0	1183.9	1267.9	1330.6
27.5°	619.1	675.4	732.9	796.9	873.9	949.1	1044.9	1137.6	1230.4	1303.0	1349.4
30°	606.1	660.8	720.2	784.8	861.0	950.4	1057.6	1158.7	1249.1	1311.5	1337.5
32.5°	592.1	647.6	700.2	767.9	849.1	949.6	1065.5	1171.1	1250.2	1291.7	1286.6
35°	570.2	616.6	667.8	733.1	828.7	943.7	1070.1	1172.3	1220.7	1211.9	1144.6
37.5°	538.5	577.6	627.9	699.4	804.9	931.6	1060.8	1137.6	1134.4	1061.9	964.4
40°	518.8	552.0	600.5	675.7	786.4	923.7	1046.3	1096.1	1054.0	952.7	835.9
42.5°	492.8	523.5	572.0	649.3	766.2	907.6	1018.6	1033.0	950.5	834.0	727.0
45°	452.8	479.8	529.9	609.8	735.7	872.5	951.1	915.8	804.6	684.2	602.8
47.5°	409.7	437.8	486.0	568.0	691.6	819.8	857.2	782.2	668.0	570.5	495.7
50°	382.5	409.6	456.7	539.5	661.9	776.6	792.1	695.2	590.3	504.5	443.2
52.5°	355.1	380.6	426.9	510.0	627.0	726.4	716.9	618.1	521.7	448.6	400.5
55°	314.3	338.4	382.5	460.4	566.9	645.7	611.1	516.8	437.0	380.2	343.6
57.5°	277.8	300.8	338.9	409.2	501.8	555.9	512.0	432.5	369.0	325.4	298.1
60°	253.0	273.4	309.6	375.0	455.4	496.6	453.1	382.9	329.4	294.5	270.1
62.5°	229.5	247.3	280.9	340.1	410.0	444.6	400.6	341.1	295.7	264.7	243.9
65°	193.9	210.1	239.7	285.9	343.3	366.4	328.5	280.3	245.0	222.0	208.1
67.5°	161.4	175.1	200.8	237.1	279.4	296.2	267.3	230.1	203.5	184.9	173.9
70°	139.8	151.7	171.8	203.1	241.4	254.3	227.2	196.6	177.1	162.2	152.1
72.5°	121.6	130.4	148.6	172.8	204.7	214.9	196.0	169.1	150.9	139.8	131.7
75°	92.6	99.9	111.8	131.2	153.3	159.3	145.1	128.3	116.1	108.1	101.9
77.5°	66.8	72.2	80.8	92.7	108.1	113.4	104.4	93.2	84.3	79.0	75.4
80°	50.5	54.8	62.0	71.9	81.1	84.1	78.8	70.3	64.0	61.0	58.0
82.5°	37.3	39.7	44.1	50.8	57.1	60.6	56.1	51.0	47.6	44.9	43.8
85°	18.8	20.1	22.1	24.7	28.7	30.0	28.3	27.0	25.1	23.4	23.4
87.5°	7.6	8.1	9.4	10.4	12.1	13.4	13.9	13.9	14.3	14.3	14.2
90°	3.6	6.1	8.5	11.0	13.9	17.1	20.3	23.6	26.8	27.8	28.8
92.5°	28.7	30.4	32.1	33.8	35.6	37.4	39.2	41.1	42.9	43.7	44.4
95°	67.6	69.4	71.1	72.8	74.7	76.7	78.7	80.7	82.7	83.6	84.6
97.5°	118.3	119.6	120.9	122.2	123.6	125.0	126.4	127.9	129.3	130.4	131.6
100°	153.3	154.8	156.4	157.8	159.2	160.4	161.7	162.9	164.2	164.9	165.7
102.5°	193.0	193.9	194.8	195.6	196.9	198.5	200.2	201.8	203.5	204.2	204.9
105°	251.8	252.3	252.7	253.2	254.6	256.8	259.1	261.3	263.6	263.6	263.6
107.5°	320.4	320.6	321.0	321.2	321.8	322.7	323.6	324.5	325.4	326.2	327.0
110°	363.4	363.9	364.4	364.9	365.4	365.9	366.4	366.9	367.4	368.4	369.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	407.9	408.2	408.5	408.8	409.0	409.1	409.1	409.3	409.4	410.6	411.7
115°	475.4	476.0	476.8	477.6	477.7	477.2	476.7	476.2	475.7	476.0	476.2
117.5°	542.5	543.0	543.5	544.1	544.0	543.3	542.7	542.0	541.4	541.3	541.3
120°	585.5	587.0	588.5	590.0	590.1	588.8	587.6	586.4	585.1	584.9	584.6
122.5°	628.9	630.0	631.1	632.1	632.4	631.7	631.1	630.4	629.8	629.1	628.5
125°	695.3	696.0	696.8	697.6	697.7	697.2	696.7	696.2	695.7	694.7	693.7
127.5°	757.9	759.4	761.0	762.6	763.1	762.6	762.0	761.5	761.0	759.5	758.1
130°	799.3	801.3	803.3	805.3	805.9	805.1	804.4	803.7	802.9	801.9	800.9
132.5°	840.4	842.4	844.4	846.4	847.1	846.5	846.0	845.4	844.9	843.7	842.5
135°	902.7	904.1	905.6	907.1	907.8	907.5	907.2	907.0	906.7	905.8	904.7
137.5°	960.4	961.7	962.9	964.2	965.2	965.8	966.5	967.1	967.8	966.6	965.6
140°	1000.7	1001.9	1003.2	1004.4	1005.1	1005.4	1005.6	1005.9	1006.2	1005.9	1005.6
142.5°	1037.3	1038.5	1039.8	1041.0	1041.9	1042.3	1042.8	1043.2	1043.7	1043.4	1043.2
145°	1093.7	1094.2	1094.8	1095.2	1095.9	1096.6	1097.3	1098.1	1098.8	1098.5	1098.3
147.5°	1144.2	1145.0	1146.0	1146.9	1147.6	1148.3	1149.0	1149.7	1150.4	1150.4	1150.4
150°	1178.6	1179.1	1179.6	1180.1	1180.6	1181.1	1181.6	1182.1	1182.6	1182.6	1182.6
152.5°	1207.4	1208.1	1208.8	1209.4	1210.0	1210.3	1210.6	1210.9	1211.2	1211.6	1211.9
155°	1251.8	1251.8	1251.8	1251.8	1252.0	1252.2	1252.4	1252.7	1252.9	1254.0	1254.9
157.5°	1290.0	1289.6	1289.3	1289.0	1289.0	1289.2	1289.3	1289.6	1289.8	1290.8	1291.8
160°	1313.9	1313.4	1312.9	1312.3	1312.1	1312.1	1312.1	1312.1	1312.1	1313.4	1314.6
162.5°	1335.1	1334.4	1333.7	1333.0	1332.7	1333.0	1333.2	1333.3	1333.5	1334.8	1336.0
165°	1362.7	1362.0	1361.2	1360.6	1360.1	1360.1	1360.1	1360.1	1360.1	1361.6	1363.1
167.5°	1384.6	1383.6	1382.6	1381.6	1381.2	1381.4	1381.6	1381.8	1382.0	1383.5	1385.1
170°	1397.1	1396.1	1395.2	1394.1	1393.6	1393.6	1393.6	1393.6	1393.6	1395.3	1397.1
172.5°	1407.0	1405.9	1405.0	1403.9	1403.4	1403.4	1403.4	1403.4	1403.4	1405.0	1406.5
175°	1417.2	1416.3	1415.2	1414.2	1413.8	1413.8	1413.8	1413.8	1413.8	1415.2	1416.7
177.5°	1421.7	1420.8	1420.0	1419.3	1418.8	1418.8	1418.8	1418.8	1418.8	1420.0	1421.3
180°	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	716.3	716.5	719.4	721.5	720.5	721.8	722.3
5°	782.5	794.4	800.6	805.3	805.6	805.9	808.6
7.5°	876.5	889.2	898.5	912.7	916.9	921.7	920.3
10°	945.1	963.9	980.1	988.6	997.8	1011.3	1000.5
12.5°	1009.2	1042.5	1067.1	1080.4	1089.2	1091.8	1086.5
15°	1114.9	1158.5	1181.9	1181.2	1210.9	1223.7	1203.6
17.5°	1211.9	1252.1	1284.2	1300.7	1325.4	1330.9	1328.4
20°	1271.2	1315.1	1340.1	1368.5	1381.4	1392.9	1394.9
22.5°	1322.4	1361.8	1388.7	1412.3	1423.1	1428.5	1431.8
25°	1375.1	1406.1	1422.3	1430.5	1433.5	1432.8	1428.5
27.5°	1371.5	1373.8	1356.1	1338.6	1322.9	1305.3	1299.2
30°	1335.8	1308.1	1258.7	1230.6	1189.5	1156.8	1170.0
32.5°	1242.2	1187.1	1131.5	1070.2	1019.5	1005.1	990.6
35°	1060.1	963.2	906.5	840.6	814.2	787.8	769.6
37.5°	857.7	782.7	715.4	672.3	645.8	629.2	620.2
40°	741.7	674.0	618.6	583.7	563.5	544.8	542.1
42.5°	649.0	586.2	544.5	516.7	497.3	489.4	483.5
45°	531.6	487.7	459.7	439.9	427.1	422.1	415.5
47.5°	450.0	419.0	397.9	384.4	374.7	371.0	370.5
50°	404.3	378.6	363.1	352.5	344.9	343.6	338.4
52.5°	370.0	347.7	335.6	326.4	320.9	317.2	315.6
55°	321.2	306.3	295.5	290.2	285.9	282.2	282.2
57.5°	281.0	268.6	261.4	256.9	255.6	253.0	251.4
60°	256.2	245.6	240.0	236.1	233.5	233.8	230.8
62.5°	232.0	225.1	219.7	215.8	212.7	212.7	212.9
65°	197.5	192.3	188.3	187.0	185.0	182.7	183.3
67.5°	167.4	162.5	159.4	157.1	156.4	155.2	157.1
70°	145.8	142.2	139.8	137.8	137.2	137.5	139.1
72.5°	126.0	123.4	121.9	121.0	119.5	119.6	120.7
75°	98.9	96.9	95.7	94.6	94.3	94.3	94.3
77.5°	72.7	72.2	71.6	70.2	70.3	70.6	70.7
80°	57.3	56.4	56.1	55.4	54.4	53.7	55.4
82.5°	42.9	41.8	41.6	41.4	39.9	39.8	41.2
85°	23.1	22.1	22.4	22.1	22.1	21.8	21.8
87.5°	14.1	14.0	13.9	14.3	14.1	13.9	14.6
90°	29.8	30.7	31.5	32.0	32.5	33.0	33.5
92.5°	45.3	46.1	46.3	46.0	45.7	45.4	45.1
95°	85.6	86.6	87.1	87.1	87.1	87.1	87.1
97.5°	132.8	133.9	134.4	134.3	134.2	134.1	134.0
100°	166.3	167.1	167.7	168.2	168.8	169.3	169.7
102.5°	205.7	206.5	206.7	206.6	206.6	206.5	206.4
105°	263.6	263.6	263.8	264.3	264.8	265.3	265.8
107.5°	327.8	328.6	328.8	328.6	328.2	328.0	327.6
110°	370.4	371.3	371.6	371.1	370.7	370.1	369.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	412.9	414.1	414.7	414.6	414.5	414.4	414.3
115°	476.5	476.7	476.7	476.5	476.2	476.0	475.7
117.5°	541.2	541.1	540.8	540.1	539.4	538.7	538.0
120°	584.4	584.2	583.8	583.3	582.8	582.3	581.8
122.5°	627.8	627.2	626.5	625.9	625.2	624.5	623.8
125°	692.8	691.7	690.8	689.7	688.7	687.8	686.7
127.5°	756.7	755.4	754.1	752.9	751.8	750.7	749.5
130°	800.0	798.9	797.5	795.8	794.1	792.4	790.7
132.5°	841.3	840.2	838.9	837.5	836.2	834.8	833.5
135°	903.8	902.8	902.1	901.6	901.0	900.5	900.1
137.5°	964.6	963.5	962.6	961.7	960.7	959.8	958.8
140°	1005.4	1005.1	1004.2	1002.5	1000.7	998.9	997.2
142.5°	1042.9	1042.7	1041.9	1040.5	1039.2	1037.8	1036.6
145°	1098.1	1097.9	1097.3	1096.2	1095.2	1094.2	1093.2
147.5°	1150.4	1150.4	1149.7	1148.2	1146.7	1145.2	1143.8
150°	1182.6	1182.6	1181.8	1180.3	1178.9	1177.3	1175.9
152.5°	1212.4	1212.7	1212.3	1211.0	1209.7	1208.4	1207.1
155°	1255.9	1256.9	1256.5	1254.8	1253.1	1251.3	1249.6
157.5°	1292.9	1294.0	1293.7	1292.4	1291.0	1289.6	1288.2
160°	1315.9	1317.1	1317.2	1316.2	1315.3	1314.2	1313.2
162.5°	1337.3	1338.5	1338.3	1336.8	1335.2	1333.6	1332.0
165°	1364.6	1366.1	1366.0	1364.3	1362.5	1360.7	1359.0
167.5°	1386.6	1388.2	1388.2	1386.6	1385.1	1383.5	1382.0
170°	1398.9	1400.6	1400.6	1398.9	1397.1	1395.3	1393.6
172.5°	1408.1	1409.6	1409.5	1407.8	1406.0	1404.3	1402.6
175°	1418.2	1419.7	1419.5	1417.8	1416.1	1414.4	1412.6
177.5°	1422.5	1423.7	1423.6	1422.1	1420.7	1419.4	1418.0
180°	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6

(END OF REPORT)