

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: P331520-830

Luminaire Tested: **S122DIW-S485D1440U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331520-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S485D1440U830-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1440 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6735.6 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

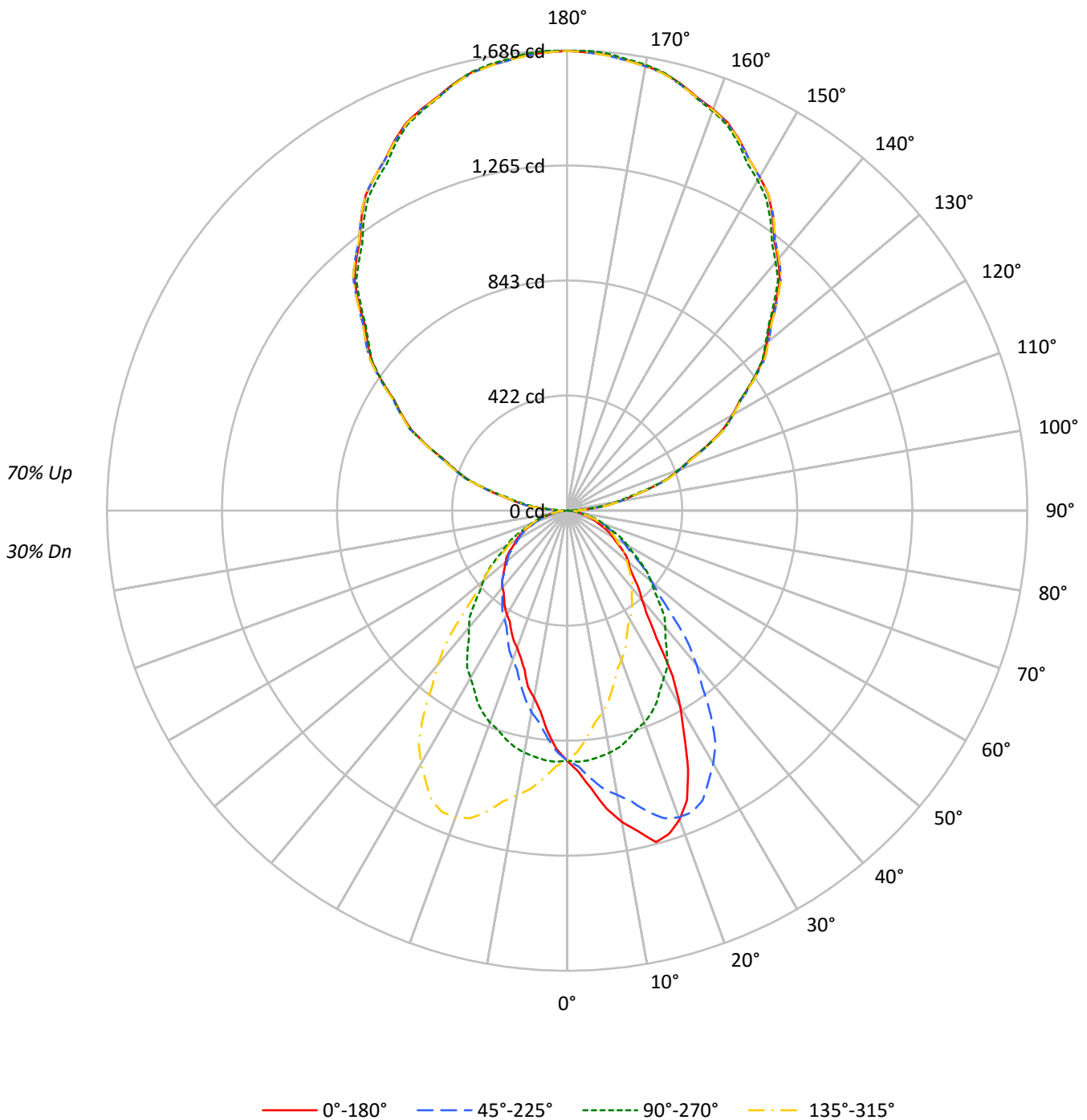
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	38	38	38	30
1	94	89	86	83	84	80	77	75	64	62	60	48	47	46	34	33	32	26
2	85	78	73	68	76	71	66	62	56	53	50	43	40	39	30	29	28	22
3	78	69	62	57	70	62	57	52	50	46	42	38	35	33	27	25	24	19
4	71	61	54	48	64	55	49	44	44	40	36	34	31	28	24	22	21	17
5	66	55	47	41	59	49	43	38	40	35	31	30	27	25	22	20	18	15
6	60	49	41	36	54	44	38	33	36	31	27	28	24	22	20	18	16	13
7	56	44	37	31	50	40	34	29	32	28	24	25	22	19	18	16	15	12
8	52	40	33	28	46	36	30	25	29	25	21	23	20	17	17	15	13	11
9	48	36	29	25	43	33	27	23	27	22	19	21	18	15	16	13	12	10
10	45	33	27	22	40	30	24	20	25	20	17	20	16	14	14	12	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14788	14788	14788	14788
5°	16579	14885	13190	14885
10°	18998	14762	11416	14762
15°	21018	14492	10084	14492
20°	20697	14201	9194	14201
25°	18661	13814	8630	13814
30°	15422	13196	8216	13196
35°	11239	12552	7924	12552
40°	8977	11788	7761	11788
45°	7846	10908	7540	10908
50°	7375	10052	7392	10052
55°	6798	9185	7192	9185
60°	6229	8263	6888	8263
65°	5673	7435	6590	7435
70°	5150	6628	6151	6628
75°	4566	5733	5446	5733
80°	3924	4751	4379	4751
85°	3520	3520	2594	3520



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	1.3
10°-20°	253.6	3.8
20°-30°	368.0	5.5
30°-40°	388.4	5.8
40°-50°	343.9	5.1
50°-60°	274.4	4.1
60°-70°	186.5	2.8
70°-80°	95.6	1.4
80°-90°	29.8	0.4
90°-100°	106.7	1.6
100°-110°	331.4	4.9
110°-120°	566.4	8.4
120°-130°	744.9	11.1
130°-140°	836.1	12.4
140°-150°	819.8	12.2
150°-160°	687.6	10.2
160°-170°	456.0	6.8
170°-180°	159.4	2.4
0°-30°	708.8	10.5
0°-40°	1097.2	16.3
0°-60°	1715.5	25.5
0°-90°	2027.4	30.1
90°-120°	1004.5	14.9
90°-150°	3405.2	50.6
90°-180°	4708.0	69.9
0°-180°	6735.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	916	916	916	916	916	
5°	1023	918	814	918	1023	102
15°	1257	867	603	867	1257	347
25°	1048	775	484	775	1048	473
35°	570	637	402	637	570	371
45°	344	478	330	478	344	270
55°	242	326	256	326	242	217
65°	148	195	172	195	148	148
75°	73	92	87	92	73	78
85°	19	19	14	19	19	22
90°	48	1	48	1	48	22
95°	88	74	88	74	88	98
105°	316	306	316	306	316	332
115°	568	568	568	568	568	561
125°	830	827	830	827	830	740
135°	1083	1070	1083	1070	1083	833
145°	1313	1299	1313	1299	1313	820
155°	1496	1485	1496	1485	1496	689
165°	1617	1616	1617	1616	1617	456
175°	1675	1681	1675	1681	1675	159
180°	1684	1684	1684	1684	1684	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9
2.5°	958.2	958.5	958.9	954.5	953.9	953.9	950.0	946.6	942.6	937.3	937.8
5°	1022.9	1026.8	1028.2	1024.0	1017.7	1016.9	1011.0	1001.1	991.9	984.6	979.3
7.5°	1100.2	1101.7	1098.3	1092.8	1088.1	1079.6	1068.5	1057.5	1042.3	1028.2	1017.9
10°	1158.8	1160.9	1154.9	1146.8	1140.1	1130.3	1114.1	1097.5	1077.5	1058.1	1042.6
12.5°	1203.2	1208.5	1200.8	1199.8	1188.3	1174.8	1155.5	1147.1	1118.9	1091.9	1075.3
15°	1257.4	1257.0	1257.7	1251.0	1242.6	1240.5	1220.0	1197.9	1158.1	1142.3	1114.7
17.5°	1241.7	1247.1	1249.5	1249.4	1249.2	1247.9	1241.3	1227.4	1207.4	1181.8	1150.1
20°	1204.6	1211.5	1212.7	1220.8	1225.3	1231.3	1233.8	1229.9	1217.6	1196.1	1168.7
22.5°	1147.1	1149.1	1152.4	1165.0	1174.9	1189.9	1197.7	1210.7	1206.0	1195.5	1172.6
25°	1047.5	1044.1	1056.3	1062.7	1085.5	1109.5	1126.7	1145.8	1162.6	1172.9	1166.2
27.5°	928.0	922.7	941.2	958.0	976.6	1002.5	1029.4	1061.1	1087.5	1120.6	1131.9
30°	827.2	830.4	848.0	865.9	894.1	930.7	960.9	995.8	1033.5	1070.4	1096.1
32.5°	718.5	730.7	741.8	769.3	794.1	834.9	879.3	922.8	969.9	1011.8	1051.6
35°	570.2	584.3	599.8	619.9	654.7	695.2	738.5	797.3	861.4	918.7	965.9
37.5°	479.9	477.8	486.6	501.1	529.3	562.0	611.8	670.0	745.4	812.8	879.3
40°	425.9	424.5	430.8	444.2	465.7	489.7	533.3	584.3	654.4	736.7	816.0
42.5°	388.7	389.6	393.1	402.6	417.3	437.0	469.7	513.1	577.2	654.8	739.9
45°	343.6	346.0	349.9	354.5	362.9	379.1	397.4	428.4	479.1	543.8	627.6
47.5°	311.0	311.1	315.0	319.1	324.0	333.2	348.2	367.6	403.3	456.1	528.1
50°	293.6	291.1	293.9	297.1	302.4	308.7	318.6	336.9	360.8	403.4	463.5
52.5°	272.2	272.2	274.8	276.0	280.7	287.0	296.1	308.7	330.4	363.7	413.2
55°	241.5	243.3	244.7	246.8	251.0	255.5	262.6	271.1	287.9	312.9	349.5
57.5°	212.6	213.2	214.6	218.6	221.3	225.5	232.1	239.9	250.8	269.4	296.9
60°	192.9	192.9	195.7	197.5	201.0	205.2	210.5	217.9	227.7	242.9	265.0
62.5°	174.8	174.6	175.7	178.6	181.3	185.2	190.5	196.8	206.0	219.5	237.7
65°	148.5	147.9	150.0	150.6	153.4	157.3	161.6	168.2	175.7	185.5	201.7
67.5°	123.2	124.0	125.2	126.5	128.1	132.1	135.0	139.7	145.9	154.1	165.1
70°	109.1	109.1	109.1	110.2	112.3	114.4	117.3	121.1	127.1	134.1	143.9
72.5°	93.3	94.4	95.6	95.0	97.6	98.9	102.3	104.4	110.2	114.7	123.4
75°	73.2	73.2	73.2	74.9	76.1	77.1	79.2	81.3	84.2	89.7	94.3
77.5°	54.7	54.5	54.9	55.2	56.4	57.7	58.2	60.2	62.8	65.4	69.3
80°	42.2	43.0	43.3	44.0	44.0	44.7	45.1	47.5	49.3	51.1	53.5
82.5°	32.7	32.8	32.9	33.0	33.3	33.7	34.6	35.4	36.0	37.5	39.4
85°	19.0	18.7	18.7	19.3	19.0	19.0	19.7	20.5	20.5	20.7	21.9
87.5°	17.0	17.0	17.2	16.8	16.8	17.1	17.2	17.1	17.4	17.8	16.7
90°	48.4	48.0	47.7	47.4	47.0	47.2	47.9	48.4	49.1	49.8	42.8
92.5°	46.0	46.0	45.9	45.8	45.8	45.7	45.5	45.4	45.3	45.1	43.5
95°	88.1	88.7	89.4	90.0	90.6	91.0	91.0	91.0	91.0	91.0	90.3
97.5°	152.6	152.7	152.7	152.8	152.9	152.9	152.9	152.9	152.9	152.9	151.7
100°	194.6	195.0	195.3	195.6	196.0	196.0	196.0	196.0	196.0	196.0	195.1
102.5°	242.4	242.7	243.1	243.4	243.6	243.7	243.5	243.2	243.0	242.7	241.5
105°	315.5	315.5	315.5	315.5	315.5	315.1	314.5	313.9	313.2	312.6	312.0
107.5°	384.2	385.7	387.1	388.6	390.0	390.6	390.4	390.1	389.8	389.6	389.6
110°	437.6	438.6	439.5	440.5	441.4	442.0	442.0	442.0	442.0	442.0	442.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	488.8	489.5	490.2	490.9	491.5	492.3	493.0	493.8	494.6	495.3	495.6
115°	568.4	569.3	570.2	571.2	572.1	572.8	573.1	573.4	573.7	574.1	574.7
117.5°	644.2	645.2	646.1	647.1	648.0	648.9	649.7	650.4	651.2	652.0	653.7
120°	697.7	698.6	699.6	700.5	701.4	701.9	701.9	701.9	701.9	701.9	704.5
122.5°	750.0	750.6	751.4	752.1	752.7	753.5	754.2	755.0	755.7	756.5	758.3
125°	829.8	830.2	830.5	830.8	831.1	831.7	832.6	833.6	834.5	835.5	836.5
127.5°	902.6	903.6	904.6	905.6	906.6	907.7	908.8	909.9	911.1	912.3	913.4
130°	954.9	956.1	957.4	958.7	959.9	960.8	961.5	962.1	962.8	963.4	964.0
132.5°	1004.8	1005.9	1006.9	1008.0	1008.9	1010.1	1011.5	1013.0	1014.3	1015.7	1015.6
135°	1082.8	1083.7	1084.7	1085.6	1086.6	1087.2	1087.5	1087.8	1088.2	1088.4	1087.8
137.5°	1153.2	1154.5	1155.7	1157.1	1158.3	1159.0	1159.3	1159.5	1159.8	1160.1	1159.2
140°	1202.1	1203.3	1204.7	1205.9	1207.2	1207.8	1207.8	1207.8	1207.8	1207.8	1206.3
142.5°	1246.4	1247.7	1249.0	1250.3	1251.5	1252.0	1251.8	1251.5	1251.2	1251.0	1249.9
145°	1313.0	1314.2	1315.5	1316.7	1318.0	1318.4	1318.1	1317.9	1317.5	1317.2	1315.3
147.5°	1372.3	1373.6	1374.7	1375.9	1377.1	1377.4	1376.7	1376.0	1375.4	1374.6	1373.4
150°	1411.0	1411.9	1412.9	1413.8	1414.8	1414.8	1413.8	1412.9	1411.9	1411.0	1409.8
152.5°	1447.4	1448.6	1449.7	1451.0	1452.2	1452.2	1451.0	1449.7	1448.6	1447.4	1445.9
155°	1496.3	1497.2	1498.2	1499.1	1500.1	1499.7	1498.2	1496.6	1495.0	1493.4	1492.4
157.5°	1538.3	1539.8	1541.3	1542.8	1544.4	1544.1	1541.9	1539.7	1537.6	1535.5	1534.9
160°	1564.4	1565.8	1567.0	1568.2	1569.5	1569.1	1567.3	1565.4	1563.5	1561.6	1561.3
162.5°	1587.1	1588.7	1590.3	1591.8	1593.3	1592.9	1590.8	1588.7	1586.5	1584.3	1584.0
165°	1617.0	1618.6	1620.2	1621.7	1623.3	1623.1	1620.8	1618.6	1616.4	1614.2	1614.2
167.5°	1641.4	1643.1	1644.7	1646.4	1648.0	1647.8	1645.6	1643.3	1641.2	1638.9	1639.0
170°	1654.0	1655.9	1657.7	1659.6	1661.5	1661.4	1659.2	1657.0	1654.7	1652.6	1652.8
172.5°	1664.2	1666.1	1668.0	1669.9	1671.8	1671.6	1669.4	1667.2	1665.0	1662.7	1663.1
175°	1675.3	1677.2	1679.0	1680.9	1682.9	1682.7	1680.5	1678.3	1676.1	1673.9	1674.5
177.5°	1680.4	1681.9	1683.5	1685.0	1686.5	1686.5	1685.0	1683.5	1681.9	1680.4	1680.9
180°	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9
2.5°	939.8	937.5	936.1	931.1	926.6	922.1	920.7	921.2	915.0	909.2	906.6
5°	976.5	969.4	962.7	953.2	942.0	929.6	923.3	918.4	906.1	892.7	885.0
7.5°	1009.3	999.2	986.3	968.5	952.1	932.6	920.3	909.5	891.4	872.5	861.0
10°	1029.3	1015.5	999.0	977.1	957.1	933.5	917.0	900.4	879.3	856.8	842.7
12.5°	1046.4	1027.9	1011.6	983.6	959.9	930.4	910.8	887.5	865.3	838.5	824.6
15°	1087.3	1053.2	1022.2	990.5	961.3	920.1	898.3	867.0	837.7	804.6	788.8
17.5°	1118.9	1080.5	1031.8	991.6	957.4	911.8	879.8	842.3	807.7	769.9	748.4
20°	1137.0	1093.0	1040.5	992.7	951.8	899.8	864.9	826.5	786.0	743.4	720.2
22.5°	1147.6	1101.5	1049.5	988.4	940.6	889.9	846.0	804.0	762.9	717.0	692.6
25°	1151.0	1108.8	1053.9	984.9	926.4	869.1	816.2	775.4	725.9	682.9	647.3
27.5°	1134.3	1104.0	1051.2	978.3	910.2	843.1	784.3	738.0	685.6	639.0	603.2
30°	1113.7	1096.1	1044.7	971.5	897.2	825.1	760.3	707.8	655.8	608.6	572.0
32.5°	1081.9	1078.1	1032.9	962.0	883.4	802.3	735.3	682.2	624.5	578.2	543.3
35°	1019.4	1036.3	1007.8	940.6	857.4	769.9	697.3	636.8	576.9	532.5	499.8
37.5°	935.7	977.6	970.2	909.2	822.4	734.5	654.4	591.2	534.1	489.4	457.2
40°	877.9	931.4	939.1	885.2	797.7	707.2	622.4	559.3	503.7	462.9	430.5
42.5°	816.0	878.4	899.8	856.6	770.6	678.4	593.6	528.4	473.3	433.6	404.9
45°	712.1	794.8	833.2	808.5	725.5	631.1	543.8	477.7	427.7	390.4	368.2
47.5°	615.0	705.4	757.1	748.3	675.2	581.8	495.6	432.1	383.4	353.6	333.8
50°	546.3	639.2	701.5	704.4	639.2	546.7	460.1	400.2	355.5	327.7	311.5
52.5°	486.6	575.3	643.3	658.2	599.0	510.0	428.2	368.7	329.3	303.8	289.3
55°	408.7	483.6	559.0	586.4	538.9	454.4	378.7	326.3	289.4	271.7	259.1
57.5°	339.8	402.3	471.8	502.2	472.9	400.6	329.6	284.1	254.1	238.7	228.9
60°	303.4	352.7	414.6	450.9	425.6	361.2	299.2	255.9	231.3	217.5	208.4
62.5°	269.7	313.3	365.6	398.8	385.0	324.2	268.8	230.5	209.3	196.4	189.8
65°	222.4	256.9	297.5	328.1	319.0	272.8	227.4	194.6	177.8	167.6	162.3
67.5°	183.1	208.1	236.2	263.0	255.6	222.9	186.5	161.0	148.4	139.6	136.5
70°	158.4	177.4	202.4	223.9	217.9	191.1	162.3	140.4	129.5	122.2	118.9
72.5°	134.8	150.3	169.5	187.0	182.9	160.7	136.7	120.2	111.8	105.0	102.4
75°	101.7	113.7	125.4	137.0	135.9	118.7	104.5	91.9	85.2	79.9	78.9
77.5°	75.1	81.8	89.7	96.6	94.7	84.8	73.8	66.5	61.6	58.1	57.5
80°	57.4	61.3	66.9	71.8	69.4	65.1	56.4	51.1	47.5	44.0	42.6
82.5°	41.6	45.5	48.8	51.6	49.7	45.7	40.2	36.7	34.6	32.1	31.6
85°	21.9	23.9	25.4	26.0	25.4	22.9	20.5	19.0	17.2	16.2	15.8
87.5°	15.6	14.2	12.8	12.3	10.7	10.0	8.1	6.5	7.0	7.4	7.6
90°	35.8	28.9	22.0	16.6	12.8	9.0	5.2	1.4	5.2	9.0	12.8
92.5°	41.9	40.2	38.6	36.4	33.6	30.8	28.1	25.3	28.1	30.8	33.6
95°	89.6	89.1	88.4	86.5	83.3	80.2	77.0	73.9	77.0	80.2	83.3
97.5°	150.5	149.3	148.1	146.1	143.4	140.5	137.8	135.0	137.8	140.5	143.4
100°	194.2	193.2	192.3	190.6	188.0	185.5	182.9	180.5	182.9	185.5	188.0
102.5°	240.3	239.1	237.9	236.3	234.2	232.2	230.3	228.2	230.3	232.2	234.2
105°	311.3	310.8	310.1	309.2	308.3	307.4	306.4	305.5	306.4	307.4	308.3
107.5°	389.6	389.6	389.6	388.9	387.6	386.2	384.7	383.3	384.7	386.2	387.6
110°	442.0	442.0	442.0	440.9	439.0	437.2	435.3	433.4	435.3	437.2	439.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	495.9	496.1	496.3	495.5	493.6	491.7	489.8	488.0	489.8	491.7	493.6
115°	575.3	576.0	576.6	576.0	574.1	572.1	570.2	568.4	570.2	572.1	574.1
117.5°	655.4	657.2	659.0	658.6	656.1	653.6	651.0	648.6	651.0	653.6	656.1
120°	707.0	709.5	712.1	712.1	709.5	707.0	704.5	701.9	704.5	707.0	709.5
122.5°	760.1	761.9	763.6	763.0	759.9	756.9	753.8	750.8	753.8	756.9	759.9
125°	837.4	838.4	839.3	838.4	835.5	832.6	829.8	827.0	829.8	832.6	835.5
127.5°	914.5	915.7	916.8	915.6	912.0	908.3	904.7	901.2	904.7	908.3	912.0
130°	964.7	965.3	965.9	964.2	960.1	956.0	951.9	947.7	951.9	956.0	960.1
132.5°	1015.4	1015.3	1015.2	1013.4	1010.1	1006.7	1003.4	1000.0	1003.4	1006.7	1010.1
135°	1087.2	1086.6	1085.9	1083.8	1080.3	1076.9	1073.5	1070.0	1073.5	1076.9	1080.3
137.5°	1158.4	1157.6	1156.8	1154.9	1152.1	1149.2	1146.4	1143.6	1146.4	1149.2	1152.1
140°	1204.7	1203.1	1201.5	1199.3	1196.5	1193.6	1190.7	1187.9	1190.7	1193.6	1196.5
142.5°	1248.9	1247.7	1246.7	1244.7	1241.9	1239.1	1236.2	1233.4	1236.2	1239.1	1241.9
145°	1313.4	1311.5	1309.7	1307.6	1305.3	1303.2	1301.0	1298.7	1301.0	1303.2	1305.3
147.5°	1372.1	1370.8	1369.6	1367.6	1365.0	1362.3	1359.6	1357.0	1359.6	1362.3	1365.0
150°	1408.4	1407.2	1405.9	1404.4	1402.5	1400.6	1398.6	1396.8	1398.6	1400.6	1402.5
152.5°	1444.4	1442.8	1441.3	1439.6	1437.7	1435.8	1433.9	1432.0	1433.9	1435.8	1437.7
155°	1491.5	1490.5	1489.6	1488.7	1487.7	1486.8	1485.8	1484.9	1485.8	1486.8	1487.7
157.5°	1534.4	1533.8	1533.2	1532.6	1532.0	1531.3	1530.7	1530.0	1530.7	1531.3	1532.0
160°	1560.9	1560.7	1560.4	1559.9	1559.2	1558.6	1558.0	1557.4	1558.0	1558.6	1559.2
162.5°	1583.8	1583.4	1583.1	1582.9	1582.7	1582.6	1582.5	1582.3	1582.5	1582.6	1582.7
165°	1614.2	1614.2	1614.2	1614.4	1614.7	1615.0	1615.3	1615.6	1615.3	1615.0	1614.7
167.5°	1639.1	1639.1	1639.2	1639.6	1640.6	1641.5	1642.5	1643.4	1642.5	1641.5	1640.6
170°	1653.2	1653.5	1653.8	1654.4	1655.4	1656.3	1657.3	1658.2	1657.3	1656.3	1655.4
172.5°	1663.4	1663.8	1664.1	1664.7	1665.7	1666.6	1667.5	1668.5	1667.5	1666.6	1665.7
175°	1675.1	1675.7	1676.4	1677.2	1678.1	1679.0	1680.0	1680.9	1680.0	1679.0	1678.1
177.5°	1681.4	1681.9	1682.4	1683.1	1683.9	1684.6	1685.4	1686.1	1685.4	1684.6	1683.9
180°	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9



TEST NUMBER: P331520-830

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9
2.5°	903.8	902.1	896.2	893.1	888.1	883.3	880.1	881.6	882.7	882.1	881.3
5°	877.9	871.2	861.0	852.2	845.8	834.2	829.3	826.9	824.7	822.3	819.8
7.5°	847.1	836.5	821.9	809.4	797.5	783.1	774.9	769.9	764.8	759.2	754.3
10°	825.1	810.3	794.8	777.2	763.2	750.1	738.5	730.8	723.7	717.0	712.1
12.5°	802.0	784.9	765.8	741.8	726.2	707.6	705.9	692.2	681.2	677.0	671.3
15°	765.3	741.3	717.0	688.5	676.2	659.3	648.8	638.2	628.7	622.0	620.2
17.5°	723.5	692.5	668.4	647.9	627.7	610.4	600.7	592.2	584.4	575.4	574.3
20°	691.6	665.0	638.6	620.6	599.8	582.2	570.2	561.8	555.1	549.8	545.3
22.5°	661.6	632.3	608.1	588.4	568.0	553.7	544.3	536.2	530.7	524.8	520.5
25°	613.2	590.3	563.9	541.8	524.8	515.7	507.9	500.9	497.4	493.5	488.6
27.5°	570.9	545.4	520.8	503.6	488.7	480.6	475.1	470.3	467.0	464.8	461.9
30°	541.0	515.3	496.0	479.1	466.7	458.6	455.2	452.3	448.5	447.0	445.6
32.5°	512.3	489.2	472.6	458.0	446.2	440.9	437.7	435.2	432.2	430.7	427.9
35°	471.6	452.3	436.1	428.0	418.5	414.0	411.5	407.9	405.2	403.8	403.4
37.5°	433.5	416.6	406.0	395.6	391.5	388.7	385.4	383.0	382.1	381.9	381.5
40°	408.7	394.9	385.4	377.0	375.2	371.0	368.2	366.1	366.1	366.5	366.1
42.5°	386.2	373.8	365.4	358.2	356.1	353.5	350.7	350.6	351.2	352.3	351.2
45°	352.0	343.2	337.2	333.7	329.8	327.3	327.0	328.1	328.4	328.8	329.8
47.5°	320.6	314.7	309.3	305.5	303.8	303.3	302.9	304.7	306.4	307.1	308.7
50°	302.0	295.3	290.8	288.3	286.9	286.2	286.9	289.0	290.4	292.2	293.2
52.5°	281.2	276.4	273.3	271.4	270.8	271.3	271.4	273.8	276.1	276.6	277.2
55°	252.4	248.8	248.2	245.0	246.4	246.0	247.8	249.2	251.3	253.4	253.8
57.5°	223.7	220.8	219.0	219.2	219.6	221.2	222.6	225.2	227.4	229.6	229.9
60°	204.5	203.1	202.1	202.1	202.7	204.9	206.6	209.1	210.5	211.9	212.9
62.5°	187.1	185.7	184.5	185.1	187.0	188.2	190.3	191.6	193.0	194.4	194.9
65°	159.5	158.7	159.9	160.5	160.9	162.6	165.1	166.2	167.6	168.2	170.7
67.5°	134.0	134.2	134.0	135.1	137.0	137.5	139.8	142.3	142.6	143.9	145.5
70°	116.9	117.5	118.3	118.9	120.7	121.4	123.2	124.2	125.6	126.7	127.8
72.5°	101.1	101.2	102.0	101.8	103.3	104.8	106.3	107.4	108.8	110.1	111.1
75°	77.8	77.8	78.5	78.9	80.6	82.4	82.0	82.8	84.2	85.6	86.2
77.5°	56.8	56.1	56.8	57.1	57.7	59.2	59.5	60.5	62.1	61.6	62.4
80°	43.3	42.2	43.3	43.6	43.6	45.4	45.4	46.1	47.1	46.1	47.1
82.5°	30.9	30.4	31.2	31.3	31.9	31.9	32.4	32.6	33.6	33.2	33.6
85°	15.5	15.2	15.5	15.2	15.5	15.8	15.8	15.5	15.5	16.2	15.2
87.5°	8.1	8.9	10.0	11.4	12.5	13.6	13.2	13.1	12.9	12.3	12.3
90°	16.6	22.0	28.9	35.8	42.8	49.8	49.1	48.4	47.9	47.2	47.0
92.5°	36.4	38.6	40.2	41.9	43.5	45.1	45.3	45.4	45.5	45.7	45.8
95°	86.5	88.4	89.1	89.6	90.3	91.0	91.0	91.0	91.0	91.0	90.6
97.5°	146.1	148.1	149.3	150.5	151.7	152.9	152.9	152.9	152.9	152.9	152.9
100°	190.6	192.3	193.2	194.2	195.1	196.0	196.0	196.0	196.0	196.0	196.0
102.5°	236.3	237.9	239.1	240.3	241.5	242.7	243.0	243.2	243.5	243.7	243.6
105°	309.2	310.1	310.8	311.3	312.0	312.6	313.2	313.9	314.5	315.1	315.5
107.5°	388.9	389.6	389.6	389.6	389.6	389.6	389.8	390.1	390.4	390.6	390.0
110°	440.9	442.0	442.0	442.0	442.0	442.0	442.0	442.0	442.0	442.0	441.4



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	495.5	496.3	496.1	495.9	495.6	495.3	494.6	493.8	493.0	492.3	491.5
115°	576.0	576.6	576.0	575.3	574.7	574.1	573.7	573.4	573.1	572.8	572.1
117.5°	658.6	659.0	657.2	655.4	653.7	652.0	651.2	650.4	649.7	648.9	648.0
120°	712.1	712.1	709.5	707.0	704.5	701.9	701.9	701.9	701.9	701.9	701.4
122.5°	763.0	763.6	761.9	760.1	758.3	756.5	755.7	755.0	754.2	753.5	752.7
125°	838.4	839.3	838.4	837.4	836.5	835.5	834.5	833.6	832.6	831.7	831.1
127.5°	915.6	916.8	915.7	914.5	913.4	912.3	911.1	909.9	908.8	907.7	906.6
130°	964.2	965.9	965.3	964.7	964.0	963.4	962.8	962.1	961.5	960.8	959.9
132.5°	1013.4	1015.2	1015.3	1015.4	1015.6	1015.7	1014.3	1013.0	1011.5	1010.1	1008.9
135°	1083.8	1085.9	1086.6	1087.2	1087.8	1088.4	1088.2	1087.8	1087.5	1087.2	1086.6
137.5°	1154.9	1156.8	1157.6	1158.4	1159.2	1160.1	1159.8	1159.5	1159.3	1159.0	1158.3
140°	1199.3	1201.5	1203.1	1204.7	1206.3	1207.8	1207.8	1207.8	1207.8	1207.8	1207.2
142.5°	1244.7	1246.7	1247.7	1248.9	1249.9	1251.0	1251.2	1251.5	1251.8	1252.0	1251.5
145°	1307.6	1309.7	1311.5	1313.4	1315.3	1317.2	1317.5	1317.9	1318.1	1318.4	1318.0
147.5°	1367.6	1369.6	1370.8	1372.1	1373.4	1374.6	1375.4	1376.0	1376.7	1377.4	1377.1
150°	1404.4	1405.9	1407.2	1408.4	1409.8	1411.0	1411.9	1412.9	1413.8	1414.8	1414.8
152.5°	1439.6	1441.3	1442.8	1444.4	1445.9	1447.4	1448.6	1449.7	1451.0	1452.2	1452.2
155°	1488.7	1489.6	1490.5	1491.5	1492.4	1493.4	1495.0	1496.6	1498.2	1499.7	1500.1
157.5°	1532.6	1533.2	1533.8	1534.4	1534.9	1535.5	1537.6	1539.7	1541.9	1544.1	1544.4
160°	1559.9	1560.4	1560.7	1560.9	1561.3	1561.6	1563.5	1565.4	1567.3	1569.1	1569.5
162.5°	1582.9	1583.1	1583.4	1583.8	1584.0	1584.3	1586.5	1588.7	1590.8	1592.9	1593.3
165°	1614.4	1614.2	1614.2	1614.2	1614.2	1614.2	1616.4	1618.6	1620.8	1623.1	1623.3
167.5°	1639.6	1639.2	1639.1	1639.1	1639.0	1638.9	1641.2	1643.3	1645.6	1647.8	1648.0
170°	1654.4	1653.8	1653.5	1653.2	1652.8	1652.6	1654.7	1657.0	1659.2	1661.4	1661.5
172.5°	1664.7	1664.1	1663.8	1663.4	1663.1	1662.7	1665.0	1667.2	1669.4	1671.6	1671.8
175°	1677.2	1676.4	1675.7	1675.1	1674.5	1673.9	1676.1	1678.3	1680.5	1682.7	1682.9
177.5°	1683.1	1682.4	1681.9	1681.4	1680.9	1680.4	1681.9	1683.5	1685.0	1686.5	1686.5
180°	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9



TEST NUMBER: P331520-830

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9
2.5°	878.4	877.9	877.9	875.3	877.9	877.9	878.4	881.3	882.1	882.7	881.6
5°	814.9	813.8	812.1	813.8	812.1	813.8	814.9	819.8	822.3	824.7	826.9
7.5°	752.1	747.8	747.2	743.0	747.2	747.8	752.1	754.3	759.2	764.8	769.9
10°	706.2	703.3	702.9	696.3	702.9	703.3	706.2	712.1	717.0	723.7	730.8
12.5°	671.2	664.4	665.8	661.9	665.8	664.4	671.2	671.3	677.0	681.2	692.2
15°	610.7	610.7	609.4	603.3	609.4	610.7	610.7	620.2	622.0	628.7	638.2
17.5°	567.3	566.6	563.2	564.9	563.2	566.6	567.3	574.3	575.4	584.4	592.2
20°	541.4	539.2	535.1	535.1	535.1	539.2	541.4	545.3	549.8	555.1	561.8
22.5°	516.9	516.7	512.3	513.7	512.3	516.7	516.9	520.5	524.8	530.7	536.2
25°	488.2	485.4	483.3	484.4	483.3	485.4	488.2	488.6	493.5	497.4	500.9
27.5°	461.1	459.5	459.4	456.5	459.4	459.5	461.1	461.9	464.8	467.0	470.3
30°	445.3	441.8	442.4	440.7	442.4	441.8	445.3	445.6	447.0	448.5	452.3
32.5°	427.3	426.0	425.3	423.8	425.3	426.0	427.3	427.9	430.7	432.2	435.2
35°	402.7	403.0	401.2	402.0	401.2	403.0	402.7	403.4	403.8	405.2	407.9
37.5°	381.3	382.4	381.5	381.7	381.5	382.4	381.3	381.5	381.9	382.1	383.0
40°	367.1	367.1	367.1	368.2	367.1	367.1	367.1	366.1	366.5	366.1	366.1
42.5°	353.6	353.1	352.5	352.4	352.5	353.1	353.6	351.2	352.3	351.2	350.6
45°	330.5	331.6	332.0	330.2	332.0	331.6	330.5	329.8	328.8	328.4	328.1
47.5°	309.6	309.7	309.6	311.1	309.6	309.7	309.6	308.7	307.1	306.4	304.7
50°	295.0	294.3	295.0	294.3	295.0	294.3	295.0	293.2	292.2	290.4	289.0
52.5°	279.5	279.7	279.2	279.1	279.2	279.7	279.5	277.2	276.6	276.1	273.8
55°	255.2	255.9	255.5	255.5	255.5	255.9	255.2	253.8	253.4	251.3	249.2
57.5°	230.1	230.7	231.2	229.6	231.2	230.7	230.1	229.9	229.6	227.4	225.2
60°	212.6	214.3	214.1	213.3	214.1	214.3	212.6	212.9	211.9	210.5	209.1
62.5°	196.5	197.2	197.1	197.0	197.1	197.2	196.5	194.9	194.4	193.0	191.6
65°	171.7	172.5	171.4	172.5	171.4	172.5	171.7	170.7	168.2	167.6	166.2
67.5°	145.1	145.3	146.1	146.6	146.1	145.3	145.1	145.5	143.9	142.6	142.3
70°	128.5	128.1	129.2	130.3	129.2	128.1	128.5	127.8	126.7	125.6	124.2
72.5°	111.0	111.8	111.4	112.3	111.4	111.8	111.0	111.1	110.1	108.8	107.4
75°	85.6	86.6	86.2	87.3	86.2	86.6	85.6	86.2	85.6	84.2	82.8
77.5°	61.8	61.9	61.8	62.4	61.8	61.9	61.8	62.4	61.6	62.1	60.5
80°	47.1	46.5	45.7	47.1	45.7	46.5	47.1	47.1	46.1	47.1	46.1
82.5°	32.8	33.3	32.5	32.5	32.5	33.3	32.8	33.6	33.2	33.6	32.6
85°	15.2	14.8	14.0	14.0	14.0	14.8	15.2	15.2	16.2	15.5	15.5
87.5°	12.3	12.1	12.2	11.9	12.2	12.1	12.3	12.3	12.3	12.9	13.1
90°	47.4	47.7	48.0	48.4	48.0	47.7	47.4	47.0	47.2	47.9	48.4
92.5°	45.8	45.9	46.0	46.0	46.0	45.9	45.8	45.8	45.7	45.5	45.4
95°	90.0	89.4	88.7	88.1	88.7	89.4	90.0	90.6	91.0	91.0	91.0
97.5°	152.8	152.7	152.7	152.6	152.7	152.7	152.8	152.9	152.9	152.9	152.9
100°	195.6	195.3	195.0	194.6	195.0	195.3	195.6	196.0	196.0	196.0	196.0
102.5°	243.4	243.1	242.7	242.4	242.7	243.1	243.4	243.6	243.7	243.5	243.2
105°	315.5	315.5	315.5	315.5	315.5	315.5	315.5	315.5	315.1	314.5	313.9
107.5°	388.6	387.1	385.7	384.2	385.7	387.1	388.6	390.0	390.6	390.4	390.1
110°	440.5	439.5	438.6	437.6	438.6	439.5	440.5	441.4	442.0	442.0	442.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	490.9	490.2	489.5	488.8	489.5	490.2	490.9	491.5	492.3	493.0	493.8
115°	571.2	570.2	569.3	568.4	569.3	570.2	571.2	572.1	572.8	573.1	573.4
117.5°	647.1	646.1	645.2	644.2	645.2	646.1	647.1	648.0	648.9	649.7	650.4
120°	700.5	699.6	698.6	697.7	698.6	699.6	700.5	701.4	701.9	701.9	701.9
122.5°	752.1	751.4	750.6	750.0	750.6	751.4	752.1	752.7	753.5	754.2	755.0
125°	830.8	830.5	830.2	829.8	830.2	830.5	830.8	831.1	831.7	832.6	833.6
127.5°	905.6	904.6	903.6	902.6	903.6	904.6	905.6	906.6	907.7	908.8	909.9
130°	958.7	957.4	956.1	954.9	956.1	957.4	958.7	959.9	960.8	961.5	962.1
132.5°	1008.0	1006.9	1005.9	1004.8	1005.9	1006.9	1008.0	1008.9	1010.1	1011.5	1013.0
135°	1085.6	1084.7	1083.7	1082.8	1083.7	1084.7	1085.6	1086.6	1087.2	1087.5	1087.8
137.5°	1157.1	1155.7	1154.5	1153.2	1154.5	1155.7	1157.1	1158.3	1159.0	1159.3	1159.5
140°	1205.9	1204.7	1203.3	1202.1	1203.3	1204.7	1205.9	1207.2	1207.8	1207.8	1207.8
142.5°	1250.3	1249.0	1247.7	1246.4	1247.7	1249.0	1250.3	1251.5	1252.0	1251.8	1251.5
145°	1316.7	1315.5	1314.2	1313.0	1314.2	1315.5	1316.7	1318.0	1318.4	1318.1	1317.9
147.5°	1375.9	1374.7	1373.6	1372.3	1373.6	1374.7	1375.9	1377.1	1377.4	1376.7	1376.0
150°	1413.8	1412.9	1411.9	1411.0	1411.9	1412.9	1413.8	1414.8	1414.8	1413.8	1412.9
152.5°	1451.0	1449.7	1448.6	1447.4	1448.6	1449.7	1451.0	1452.2	1452.2	1451.0	1449.7
155°	1499.1	1498.2	1497.2	1496.3	1497.2	1498.2	1499.1	1500.1	1499.7	1498.2	1496.6
157.5°	1542.8	1541.3	1539.8	1538.3	1539.8	1541.3	1542.8	1544.4	1544.1	1541.9	1539.7
160°	1568.2	1567.0	1565.8	1564.4	1565.8	1567.0	1568.2	1569.5	1569.1	1567.3	1565.4
162.5°	1591.8	1590.3	1588.7	1587.1	1588.7	1590.3	1591.8	1593.3	1592.9	1590.8	1588.7
165°	1621.7	1620.2	1618.6	1617.0	1618.6	1620.2	1621.7	1623.3	1623.1	1620.8	1618.6
167.5°	1646.4	1644.7	1643.1	1641.4	1643.1	1644.7	1646.4	1648.0	1647.8	1645.6	1643.3
170°	1659.6	1657.7	1655.9	1654.0	1655.9	1657.7	1659.6	1661.5	1661.4	1659.2	1657.0
172.5°	1669.9	1668.0	1666.1	1664.2	1666.1	1668.0	1669.9	1671.8	1671.6	1669.4	1667.2
175°	1680.9	1679.0	1677.2	1675.3	1677.2	1679.0	1680.9	1682.9	1682.7	1680.5	1678.3
177.5°	1685.0	1683.5	1681.9	1680.4	1681.9	1683.5	1685.0	1686.5	1686.5	1685.0	1683.5
180°	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9
2.5°	880.1	883.3	888.1	893.1	896.2	902.1	903.8	906.6	909.2	915.0	921.2
5°	829.3	834.2	845.8	852.2	861.0	871.2	877.9	885.0	892.7	906.1	918.4
7.5°	774.9	783.1	797.5	809.4	821.9	836.5	847.1	861.0	872.5	891.4	909.5
10°	738.5	750.1	763.2	777.2	794.8	810.3	825.1	842.7	856.8	879.3	900.4
12.5°	705.9	707.6	726.2	741.8	765.8	784.9	802.0	824.6	838.5	865.3	887.5
15°	648.8	659.3	676.2	688.5	717.0	741.3	765.3	788.8	804.6	837.7	867.0
17.5°	600.7	610.4	627.7	647.9	668.4	692.5	723.5	748.4	769.9	807.7	842.3
20°	570.2	582.2	599.8	620.6	638.6	665.0	691.6	720.2	743.4	786.0	826.5
22.5°	544.3	553.7	568.0	588.4	608.1	632.3	661.6	692.6	717.0	762.9	804.0
25°	507.9	515.7	524.8	541.8	563.9	590.3	613.2	647.3	682.9	725.9	775.4
27.5°	475.1	480.6	488.7	503.6	520.8	545.4	570.9	603.2	639.0	685.6	738.0
30°	455.2	458.6	466.7	479.1	496.0	515.3	541.0	572.0	608.6	655.8	707.8
32.5°	437.7	440.9	446.2	458.0	472.6	489.2	512.3	543.3	578.2	624.5	682.2
35°	411.5	414.0	418.5	428.0	436.1	452.3	471.6	499.8	532.5	576.9	636.8
37.5°	385.4	388.7	391.5	395.6	406.0	416.6	433.5	457.2	489.4	534.1	591.2
40°	368.2	371.0	375.2	377.0	385.4	394.9	408.7	430.5	462.9	503.7	559.3
42.5°	350.7	353.5	356.1	358.2	365.4	373.8	386.2	404.9	433.6	473.3	528.4
45°	327.0	327.3	329.8	333.7	337.2	343.2	352.0	368.2	390.4	427.7	477.7
47.5°	302.9	303.3	303.8	305.5	309.3	314.7	320.6	333.8	353.6	383.4	432.1
50°	286.9	286.2	286.9	288.3	290.8	295.3	302.0	311.5	327.7	355.5	400.2
52.5°	271.4	271.3	270.8	271.4	273.3	276.4	281.2	289.3	303.8	329.3	368.7
55°	247.8	246.0	246.4	245.0	248.2	248.8	252.4	259.1	271.7	289.4	326.3
57.5°	222.6	221.2	219.6	219.2	219.0	220.8	223.7	228.9	238.7	254.1	284.1
60°	206.6	204.9	202.7	202.1	202.1	203.1	204.5	208.4	217.5	231.3	255.9
62.5°	190.3	188.2	187.0	185.1	184.5	185.7	187.1	189.8	196.4	209.3	230.5
65°	165.1	162.6	160.9	160.5	159.9	158.7	159.5	162.3	167.6	177.8	194.6
67.5°	139.8	137.5	137.0	135.1	134.0	134.2	134.0	136.5	139.6	148.4	161.0
70°	123.2	121.4	120.7	118.9	118.3	117.5	116.9	118.9	122.2	129.5	140.4
72.5°	106.3	104.8	103.3	101.8	102.0	101.2	101.1	102.4	105.0	111.8	120.2
75°	82.0	82.4	80.6	78.9	78.5	77.8	77.8	78.9	79.9	85.2	91.9
77.5°	59.5	59.2	57.7	57.1	56.8	56.1	56.8	57.5	58.1	61.6	66.5
80°	45.4	45.4	43.6	43.6	43.3	42.2	43.3	42.6	44.0	47.5	51.1
82.5°	32.4	31.9	31.9	31.3	31.2	30.4	30.9	31.6	32.1	34.6	36.7
85°	15.8	15.8	15.5	15.2	15.5	15.2	15.5	15.8	16.2	17.2	19.0
87.5°	13.2	13.6	12.5	11.4	10.0	8.9	8.1	7.6	7.4	7.0	6.5
90°	49.1	49.8	42.8	35.8	28.9	22.0	16.6	12.8	9.0	5.2	1.4
92.5°	45.3	45.1	43.5	41.9	40.2	38.6	36.4	33.6	30.8	28.1	25.3
95°	91.0	91.0	90.3	89.6	89.1	88.4	86.5	83.3	80.2	77.0	73.9
97.5°	152.9	152.9	151.7	150.5	149.3	148.1	146.1	143.4	140.5	137.8	135.0
100°	196.0	196.0	195.1	194.2	193.2	192.3	190.6	188.0	185.5	182.9	180.5
102.5°	243.0	242.7	241.5	240.3	239.1	237.9	236.3	234.2	232.2	230.3	228.2
105°	313.2	312.6	312.0	311.3	310.8	310.1	309.2	308.3	307.4	306.4	305.5
107.5°	389.8	389.6	389.6	389.6	389.6	389.6	388.9	387.6	386.2	384.7	383.3
110°	442.0	442.0	442.0	442.0	442.0	442.0	440.9	439.0	437.2	435.3	433.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	494.6	495.3	495.6	495.9	496.1	496.3	495.5	493.6	491.7	489.8	488.0
115°	573.7	574.1	574.7	575.3	576.0	576.6	576.0	574.1	572.1	570.2	568.4
117.5°	651.2	652.0	653.7	655.4	657.2	659.0	658.6	656.1	653.6	651.0	648.6
120°	701.9	701.9	704.5	707.0	709.5	712.1	712.1	709.5	707.0	704.5	701.9
122.5°	755.7	756.5	758.3	760.1	761.9	763.6	763.0	759.9	756.9	753.8	750.8
125°	834.5	835.5	836.5	837.4	838.4	839.3	838.4	835.5	832.6	829.8	827.0
127.5°	911.1	912.3	913.4	914.5	915.7	916.8	915.6	912.0	908.3	904.7	901.2
130°	962.8	963.4	964.0	964.7	965.3	965.9	964.2	960.1	956.0	951.9	947.7
132.5°	1014.3	1015.7	1015.6	1015.4	1015.3	1015.2	1013.4	1010.1	1006.7	1003.4	1000.0
135°	1088.2	1088.4	1087.8	1087.2	1086.6	1085.9	1083.8	1080.3	1076.9	1073.5	1070.0
137.5°	1159.8	1160.1	1159.2	1158.4	1157.6	1156.8	1154.9	1152.1	1149.2	1146.4	1143.6
140°	1207.8	1207.8	1206.3	1204.7	1203.1	1201.5	1199.3	1196.5	1193.6	1190.7	1187.9
142.5°	1251.2	1251.0	1249.9	1248.9	1247.7	1246.7	1244.7	1241.9	1239.1	1236.2	1233.4
145°	1317.5	1317.2	1315.3	1313.4	1311.5	1309.7	1307.6	1305.3	1303.2	1301.0	1298.7
147.5°	1375.4	1374.6	1373.4	1372.1	1370.8	1369.6	1367.6	1365.0	1362.3	1359.6	1357.0
150°	1411.9	1411.0	1409.8	1408.4	1407.2	1405.9	1404.4	1402.5	1400.6	1398.6	1396.8
152.5°	1448.6	1447.4	1445.9	1444.4	1442.8	1441.3	1439.6	1437.7	1435.8	1433.9	1432.0
155°	1495.0	1493.4	1492.4	1491.5	1490.5	1489.6	1488.7	1487.7	1486.8	1485.8	1484.9
157.5°	1537.6	1535.5	1534.9	1534.4	1533.8	1533.2	1532.6	1532.0	1531.3	1530.7	1530.0
160°	1563.5	1561.6	1561.3	1560.9	1560.7	1560.4	1559.9	1559.2	1558.6	1558.0	1557.4
162.5°	1586.5	1584.3	1584.0	1583.8	1583.4	1583.1	1582.9	1582.7	1582.6	1582.5	1582.3
165°	1616.4	1614.2	1614.2	1614.2	1614.2	1614.2	1614.4	1614.7	1615.0	1615.3	1615.6
167.5°	1641.2	1638.9	1639.0	1639.1	1639.1	1639.2	1639.6	1640.6	1641.5	1642.5	1643.4
170°	1654.7	1652.6	1652.8	1653.2	1653.5	1653.8	1654.4	1655.4	1656.3	1657.3	1658.2
172.5°	1665.0	1662.7	1663.1	1663.4	1663.8	1664.1	1664.7	1665.7	1666.6	1667.5	1668.5
175°	1676.1	1673.9	1674.5	1675.1	1675.7	1676.4	1677.2	1678.1	1679.0	1680.0	1680.9
177.5°	1681.9	1680.4	1680.9	1681.4	1681.9	1682.4	1683.1	1683.9	1684.6	1685.4	1686.1
180°	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9
2.5°	920.7	922.1	926.6	931.1	936.1	937.5	939.8	937.8	937.3	942.6	946.6
5°	923.3	929.6	942.0	953.2	962.7	969.4	976.5	979.3	984.6	991.9	1001.1
7.5°	920.3	932.6	952.1	968.5	986.3	999.2	1009.3	1017.9	1028.2	1042.3	1057.5
10°	917.0	933.5	957.1	977.1	999.0	1015.5	1029.3	1042.6	1058.1	1077.5	1097.5
12.5°	910.8	930.4	959.9	983.6	1011.6	1027.9	1046.4	1075.3	1091.9	1118.9	1147.1
15°	898.3	920.1	961.3	990.5	1022.2	1053.2	1087.3	1114.7	1142.3	1158.1	1197.9
17.5°	879.8	911.8	957.4	991.6	1031.8	1080.5	1118.9	1150.1	1181.8	1207.4	1227.4
20°	864.9	899.8	951.8	992.7	1040.5	1093.0	1137.0	1168.7	1196.1	1217.6	1229.9
22.5°	846.0	889.9	940.6	988.4	1049.5	1101.5	1147.6	1172.6	1195.5	1206.0	1210.7
25°	816.2	869.1	926.4	984.9	1053.9	1108.8	1151.0	1166.2	1172.9	1162.6	1145.8
27.5°	784.3	843.1	910.2	978.3	1051.2	1104.0	1134.3	1131.9	1120.6	1087.5	1061.1
30°	760.3	825.1	897.2	971.5	1044.7	1096.1	1113.7	1096.1	1070.4	1033.5	995.8
32.5°	735.3	802.3	883.4	962.0	1032.9	1078.1	1081.9	1051.6	1011.8	969.9	922.8
35°	697.3	769.9	857.4	940.6	1007.8	1036.3	1019.4	965.9	918.7	861.4	797.3
37.5°	654.4	734.5	822.4	909.2	970.2	977.6	935.7	879.3	812.8	745.4	670.0
40°	622.4	707.2	797.7	885.2	939.1	931.4	877.9	816.0	736.7	654.4	584.3
42.5°	593.6	678.4	770.6	856.6	899.8	878.4	816.0	739.9	654.8	577.2	513.1
45°	543.8	631.1	725.5	808.5	833.2	794.8	712.1	627.6	543.8	479.1	428.4
47.5°	495.6	581.8	675.2	748.3	757.1	705.4	615.0	528.1	456.1	403.3	367.6
50°	460.1	546.7	639.2	704.4	701.5	639.2	546.3	463.5	403.4	360.8	336.9
52.5°	428.2	510.0	599.0	658.2	643.3	575.3	486.6	413.2	363.7	330.4	308.7
55°	378.7	454.4	538.9	586.4	559.0	483.6	408.7	349.5	312.9	287.9	271.1
57.5°	329.6	400.6	472.9	502.2	471.8	402.3	339.8	296.9	269.4	250.8	239.9
60°	299.2	361.2	425.6	450.9	414.6	352.7	303.4	265.0	242.9	227.7	217.9
62.5°	268.8	324.2	385.0	398.8	365.6	313.3	269.7	237.7	219.5	206.0	196.8
65°	227.4	272.8	319.0	328.1	297.5	256.9	222.4	201.7	185.5	175.7	168.2
67.5°	186.5	222.9	255.6	263.0	236.2	208.1	183.1	165.1	154.1	145.9	139.7
70°	162.3	191.1	217.9	223.9	202.4	177.4	158.4	143.9	134.1	127.1	121.1
72.5°	136.7	160.7	182.9	187.0	169.5	150.3	134.8	123.4	114.7	110.2	104.4
75°	104.5	118.7	135.9	137.0	125.4	113.7	101.7	94.3	89.7	84.2	81.3
77.5°	73.8	84.8	94.7	96.6	89.7	81.8	75.1	69.3	65.4	62.8	60.2
80°	56.4	65.1	69.4	71.8	66.9	61.3	57.4	53.5	51.1	49.3	47.5
82.5°	40.2	45.7	49.7	51.6	48.8	45.5	41.6	39.4	37.5	36.0	35.4
85°	20.5	22.9	25.4	26.0	25.4	23.9	21.9	21.9	20.7	20.5	20.5
87.5°	8.1	10.0	10.7	12.3	12.8	14.2	15.6	16.7	17.8	17.4	17.1
90°	5.2	9.0	12.8	16.6	22.0	28.9	35.8	42.8	49.8	49.1	48.4
92.5°	28.1	30.8	33.6	36.4	38.6	40.2	41.9	43.5	45.1	45.3	45.4
95°	77.0	80.2	83.3	86.5	88.4	89.1	89.6	90.3	91.0	91.0	91.0
97.5°	137.8	140.5	143.4	146.1	148.1	149.3	150.5	151.7	152.9	152.9	152.9
100°	182.9	185.5	188.0	190.6	192.3	193.2	194.2	195.1	196.0	196.0	196.0
102.5°	230.3	232.2	234.2	236.3	237.9	239.1	240.3	241.5	242.7	243.0	243.2
105°	306.4	307.4	308.3	309.2	310.1	310.8	311.3	312.0	312.6	313.2	313.9
107.5°	384.7	386.2	387.6	388.9	389.6	389.6	389.6	389.6	389.6	389.8	390.1
110°	435.3	437.2	439.0	440.9	442.0	442.0	442.0	442.0	442.0	442.0	442.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	489.8	491.7	493.6	495.5	496.3	496.1	495.9	495.6	495.3	494.6	493.8
115°	570.2	572.1	574.1	576.0	576.6	576.0	575.3	574.7	574.1	573.7	573.4
117.5°	651.0	653.6	656.1	658.6	659.0	657.2	655.4	653.7	652.0	651.2	650.4
120°	704.5	707.0	709.5	712.1	712.1	709.5	707.0	704.5	701.9	701.9	701.9
122.5°	753.8	756.9	759.9	763.0	763.6	761.9	760.1	758.3	756.5	755.7	755.0
125°	829.8	832.6	835.5	838.4	839.3	838.4	837.4	836.5	835.5	834.5	833.6
127.5°	904.7	908.3	912.0	915.6	916.8	915.7	914.5	913.4	912.3	911.1	909.9
130°	951.9	956.0	960.1	964.2	965.9	965.3	964.7	964.0	963.4	962.8	962.1
132.5°	1003.4	1006.7	1010.1	1013.4	1015.2	1015.3	1015.4	1015.6	1015.7	1014.3	1013.0
135°	1073.5	1076.9	1080.3	1083.8	1085.9	1086.6	1087.2	1087.8	1088.4	1088.2	1087.8
137.5°	1146.4	1149.2	1152.1	1154.9	1156.8	1157.6	1158.4	1159.2	1160.1	1159.8	1159.5
140°	1190.7	1193.6	1196.5	1199.3	1201.5	1203.1	1204.7	1206.3	1207.8	1207.8	1207.8
142.5°	1236.2	1239.1	1241.9	1244.7	1246.7	1247.7	1248.9	1249.9	1251.0	1251.2	1251.5
145°	1301.0	1303.2	1305.3	1307.6	1309.7	1311.5	1313.4	1315.3	1317.2	1317.5	1317.9
147.5°	1359.6	1362.3	1365.0	1367.6	1369.6	1370.8	1372.1	1373.4	1374.6	1375.4	1376.0
150°	1398.6	1400.6	1402.5	1404.4	1405.9	1407.2	1408.4	1409.8	1411.0	1411.9	1412.9
152.5°	1433.9	1435.8	1437.7	1439.6	1441.3	1442.8	1444.4	1445.9	1447.4	1448.6	1449.7
155°	1485.8	1486.8	1487.7	1488.7	1489.6	1490.5	1491.5	1492.4	1493.4	1495.0	1496.6
157.5°	1530.7	1531.3	1532.0	1532.6	1533.2	1533.8	1534.4	1534.9	1535.5	1537.6	1539.7
160°	1558.0	1558.6	1559.2	1559.9	1560.4	1560.7	1560.9	1561.3	1561.6	1563.5	1565.4
162.5°	1582.5	1582.6	1582.7	1582.9	1583.1	1583.4	1583.8	1584.0	1584.3	1586.5	1588.7
165°	1615.3	1615.0	1614.7	1614.4	1614.2	1614.2	1614.2	1614.2	1614.2	1616.4	1618.6
167.5°	1642.5	1641.5	1640.6	1639.6	1639.2	1639.1	1639.1	1639.0	1638.9	1641.2	1643.3
170°	1657.3	1656.3	1655.4	1654.4	1653.8	1653.5	1653.2	1652.8	1652.6	1654.7	1657.0
172.5°	1667.5	1666.6	1665.7	1664.7	1664.1	1663.8	1663.4	1663.1	1662.7	1665.0	1667.2
175°	1680.0	1679.0	1678.1	1677.2	1676.4	1675.7	1675.1	1674.5	1673.9	1676.1	1678.3
177.5°	1685.4	1684.6	1683.9	1683.1	1682.4	1681.9	1681.4	1680.9	1680.4	1681.9	1683.5
180°	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	915.9	915.9	915.9	915.9	915.9	915.9	915.9
2.5°	950.0	953.9	953.9	954.5	958.9	958.5	958.2
5°	1011.0	1016.9	1017.7	1024.0	1028.2	1026.8	1022.9
7.5°	1068.5	1079.6	1088.1	1092.8	1098.3	1101.7	1100.2
10°	1114.1	1130.3	1140.1	1146.8	1154.9	1160.9	1158.8
12.5°	1155.5	1174.8	1188.3	1199.8	1200.8	1208.5	1203.2
15°	1220.0	1240.5	1242.6	1251.0	1257.7	1257.0	1257.4
17.5°	1241.3	1247.9	1249.2	1249.4	1249.5	1247.1	1241.7
20°	1233.8	1231.3	1225.3	1220.8	1212.7	1211.5	1204.6
22.5°	1197.7	1189.9	1174.9	1165.0	1152.4	1149.1	1147.1
25°	1126.7	1109.5	1085.5	1062.7	1056.3	1044.1	1047.5
27.5°	1029.4	1002.5	976.6	958.0	941.2	922.7	928.0
30°	960.9	930.7	894.1	865.9	848.0	830.4	827.2
32.5°	879.3	834.9	794.1	769.3	741.8	730.7	718.5
35°	738.5	695.2	654.7	619.9	599.8	584.3	570.2
37.5°	611.8	562.0	529.3	501.1	486.6	477.8	479.9
40°	533.3	489.7	465.7	444.2	430.8	424.5	425.9
42.5°	469.7	437.0	417.3	402.6	393.1	389.6	388.7
45°	397.4	379.1	362.9	354.5	349.9	346.0	343.6
47.5°	348.2	333.2	324.0	319.1	315.0	311.1	311.0
50°	318.6	308.7	302.4	297.1	293.9	291.1	293.6
52.5°	296.1	287.0	280.7	276.0	274.8	272.2	272.2
55°	262.6	255.5	251.0	246.8	244.7	243.3	241.5
57.5°	232.1	225.5	221.3	218.6	214.6	213.2	212.6
60°	210.5	205.2	201.0	197.5	195.7	192.9	192.9
62.5°	190.5	185.2	181.3	178.6	175.7	174.6	174.8
65°	161.6	157.3	153.4	150.6	150.0	147.9	148.5
67.5°	135.0	132.1	128.1	126.5	125.2	124.0	123.2
70°	117.3	114.4	112.3	110.2	109.1	109.1	109.1
72.5°	102.3	98.9	97.6	95.0	95.6	94.4	93.3
75°	79.2	77.1	76.1	74.9	73.2	73.2	73.2
77.5°	58.2	57.7	56.4	55.2	54.9	54.5	54.7
80°	45.1	44.7	44.0	44.0	43.3	43.0	42.2
82.5°	34.6	33.7	33.3	33.0	32.9	32.8	32.7
85°	19.7	19.0	19.0	19.3	18.7	18.7	19.0
87.5°	17.2	17.1	16.8	16.8	17.2	17.0	17.0
90°	47.9	47.2	47.0	47.4	47.7	48.0	48.4
92.5°	45.5	45.7	45.8	45.8	45.9	46.0	46.0
95°	91.0	91.0	90.6	90.0	89.4	88.7	88.1
97.5°	152.9	152.9	152.9	152.8	152.7	152.7	152.6
100°	196.0	196.0	196.0	195.6	195.3	195.0	194.6
102.5°	243.5	243.7	243.6	243.4	243.1	242.7	242.4
105°	314.5	315.1	315.5	315.5	315.5	315.5	315.5
107.5°	390.4	390.6	390.0	388.6	387.1	385.7	384.2
110°	442.0	442.0	441.4	440.5	439.5	438.6	437.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	493.0	492.3	491.5	490.9	490.2	489.5	488.8
115°	573.1	572.8	572.1	571.2	570.2	569.3	568.4
117.5°	649.7	648.9	648.0	647.1	646.1	645.2	644.2
120°	701.9	701.9	701.4	700.5	699.6	698.6	697.7
122.5°	754.2	753.5	752.7	752.1	751.4	750.6	750.0
125°	832.6	831.7	831.1	830.8	830.5	830.2	829.8
127.5°	908.8	907.7	906.6	905.6	904.6	903.6	902.6
130°	961.5	960.8	959.9	958.7	957.4	956.1	954.9
132.5°	1011.5	1010.1	1008.9	1008.0	1006.9	1005.9	1004.8
135°	1087.5	1087.2	1086.6	1085.6	1084.7	1083.7	1082.8
137.5°	1159.3	1159.0	1158.3	1157.1	1155.7	1154.5	1153.2
140°	1207.8	1207.8	1207.2	1205.9	1204.7	1203.3	1202.1
142.5°	1251.8	1252.0	1251.5	1250.3	1249.0	1247.7	1246.4
145°	1318.1	1318.4	1318.0	1316.7	1315.5	1314.2	1313.0
147.5°	1376.7	1377.4	1377.1	1375.9	1374.7	1373.6	1372.3
150°	1413.8	1414.8	1414.8	1413.8	1412.9	1411.9	1411.0
152.5°	1451.0	1452.2	1452.2	1451.0	1449.7	1448.6	1447.4
155°	1498.2	1499.7	1500.1	1499.1	1498.2	1497.2	1496.3
157.5°	1541.9	1544.1	1544.4	1542.8	1541.3	1539.8	1538.3
160°	1567.3	1569.1	1569.5	1568.2	1567.0	1565.8	1564.4
162.5°	1590.8	1592.9	1593.3	1591.8	1590.3	1588.7	1587.1
165°	1620.8	1623.1	1623.3	1621.7	1620.2	1618.6	1617.0
167.5°	1645.6	1647.8	1648.0	1646.4	1644.7	1643.1	1641.4
170°	1659.2	1661.4	1661.5	1659.6	1657.7	1655.9	1654.0
172.5°	1669.4	1671.6	1671.8	1669.9	1668.0	1666.1	1664.2
175°	1680.5	1682.7	1682.9	1680.9	1679.0	1677.2	1675.3
177.5°	1685.0	1686.5	1686.5	1685.0	1683.5	1681.9	1680.4
180°	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9	1683.9

(END OF REPORT)