

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: P332115-930

Luminaire Tested: **S123DIW-S340D1535U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332115-930  
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-S340D1535U930-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1535 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5524.1 lumens  
Efficiency: N/A  
Efficacy: 103.4 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

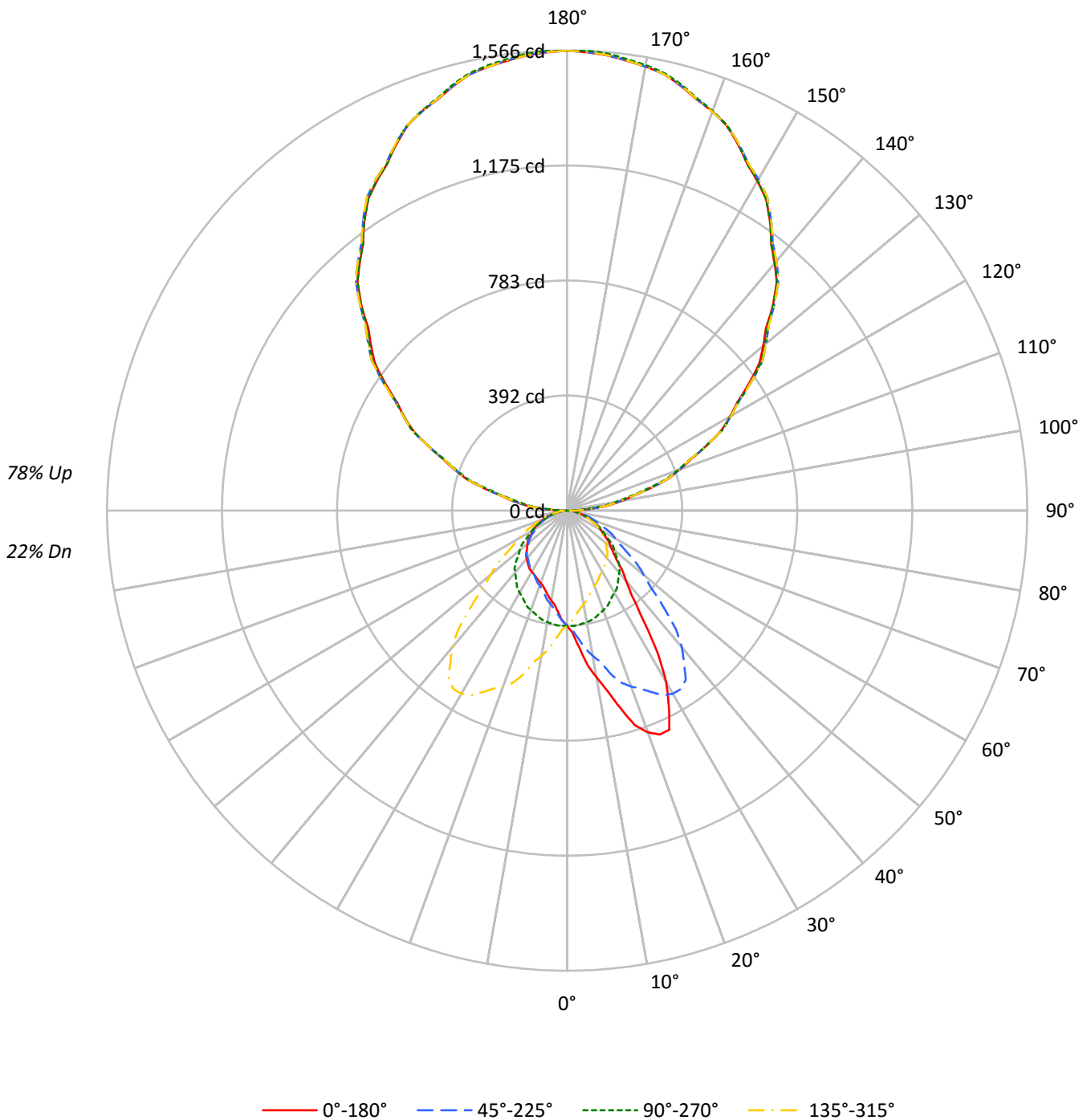
Input Watts (W): 53.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	100	100	100	100	89	89	89	89	68	68	68	48	48	48	30	30	30	22
1	92	87	84	80	81	78	75	72	59	57	55	42	41	40	27	26	25	18
2	83	76	71	66	74	68	63	59	52	49	46	37	35	33	23	22	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	30	28	21	20	18	13
4	69	59	52	46	61	53	47	42	41	36	33	29	26	24	19	17	16	11
5	64	53	45	39	56	47	40	36	36	32	28	26	23	21	17	15	14	10
6	58	47	39	34	52	42	35	31	33	28	24	24	21	18	15	14	12	9
7	54	42	35	30	48	38	31	27	29	25	21	21	18	16	14	12	11	8
8	50	38	31	26	44	34	28	24	27	22	19	19	16	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	11	9	8	6

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

	0°	90°	180°	270°
0°	4219	4219	4219	4219
5°	5032	4238	3756	4238
10°	6299	4217	3393	4217
15°	7725	4182	3158	4182
20°	9203	4129	3007	4129
25°	9772	4065	2973	4065
30°	8376	4018	2988	4018
35°	5825	3951	3020	3951
40°	4388	3873	3011	3873
45°	3643	3755	2973	3755
50°	3264	3518	2946	3518
55°	3051	3262	2909	3262
60°	2863	2992	2878	2992
65°	2690	2728	2786	2728
70°	2521	2426	2653	2426
75°	2258	2125	2433	2125
80°	1977	1742	2095	1742
85°	1556	1272	1408	1272



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.6	0.7
10°-20°	123.8	2.2
20°-30°	207.8	3.8
30°-40°	235.3	4.3
40°-50°	211.0	3.8
50°-60°	170.3	3.1
60°-70°	118.7	2.1
70°-80°	62.4	1.1
80°-90°	19.9	0.4
90°-100°	102.0	1.8
100°-110°	305.2	5.5
110°-120°	519.0	9.4
120°-130°	682.7	12.4
130°-140°	767.4	13.9
140°-150°	754.3	13.7
150°-160°	635.0	11.5
160°-170°	422.7	7.7
170°-180°	148.0	2.7
0°-30°	370.3	6.7
0°-40°	605.6	11.0
0°-60°	986.9	17.9
0°-90°	1187.8	21.5
90°-120°	926.2	16.8
90°-150°	3130.5	56.7
90°-180°	4336.0	78.5
0°-180°	5524.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	392	392	392	392	392	
5°	466	392	348	392	466	48
15°	693	375	283	375	693	200
25°	823	342	250	342	823	361
35°	443	301	230	301	443	288
45°	239	247	195	247	239	189
55°	163	174	155	174	163	146
65°	106	107	109	107	106	105
75°	54	51	58	51	54	58
85°	13	10	11	10	13	16
90°	37	1	37	1	37	19
95°	96	73	96	73	96	98
105°	293	277	293	277	293	310
115°	524	522	524	522	524	519
125°	756	765	756	765	756	676
135°	991	992	991	992	991	762
145°	1204	1204	1204	1204	1204	751
155°	1376	1378	1376	1378	1376	633
165°	1496	1501	1496	1501	1496	422
175°	1555	1561	1555	1561	1555	148
180°	1565	1565	1565	1565	1565	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	416.0	415.7	415.0	415.6	414.3	412.7	412.5	411.0	406.6	406.3	405.1
5°	465.7	464.2	464.0	463.8	461.1	457.5	450.7	450.1	441.0	436.5	431.0
7.5°	530.1	530.8	528.1	525.7	517.6	512.2	504.8	495.5	484.3	472.9	465.4
10°	576.3	582.5	574.8	569.4	564.5	555.2	544.4	530.8	517.4	501.7	489.7
12.5°	625.8	628.8	627.3	622.3	614.7	600.5	581.3	566.4	554.0	527.7	517.1
15°	693.2	704.8	697.4	680.4	680.7	667.2	642.2	614.7	600.0	577.0	545.7
17.5°	765.2	766.5	763.4	749.2	739.7	721.1	698.0	671.6	642.0	614.2	580.9
20°	803.4	802.3	795.7	788.2	771.9	757.5	732.2	702.8	664.8	637.4	601.1
22.5°	824.7	822.8	819.6	813.4	799.9	784.4	761.7	729.5	693.3	655.7	613.8
25°	822.8	825.2	825.7	823.9	819.2	809.9	792.1	766.4	730.3	681.8	638.2
27.5°	748.4	751.9	762.0	771.0	781.1	791.3	789.9	777.2	750.5	708.7	655.3
30°	673.9	666.3	685.1	708.8	725.0	753.5	769.4	770.4	755.4	719.5	667.4
32.5°	570.5	578.9	587.3	616.4	651.8	683.7	715.5	741.0	744.0	720.1	674.6
35°	443.3	453.8	469.0	484.1	522.1	554.8	610.7	659.3	698.0	703.1	675.2
37.5°	357.3	362.4	372.0	387.3	412.1	450.9	494.0	555.5	611.6	653.4	655.2
40°	312.3	313.8	324.6	336.1	356.3	388.2	427.1	481.5	548.7	607.1	631.4
42.5°	278.5	281.8	286.5	297.6	313.6	337.6	373.8	418.7	480.4	547.5	595.0
45°	239.3	243.1	246.0	253.4	264.8	281.0	306.1	347.2	394.1	463.4	527.4
47.5°	213.4	213.7	215.8	221.4	229.2	241.3	259.2	285.5	328.6	384.8	450.5
50°	194.9	197.9	198.7	203.0	209.1	218.0	232.8	255.3	290.6	340.0	400.4
52.5°	181.8	182.7	184.8	188.0	193.3	200.2	213.1	230.6	258.4	300.5	356.0
55°	162.6	162.6	164.7	167.1	170.2	176.4	185.0	197.9	219.0	251.7	297.7
57.5°	144.8	145.8	147.2	148.0	150.6	154.7	161.8	171.7	187.4	212.5	249.1
60°	133.0	134.7	134.4	136.0	138.3	141.5	147.6	155.6	169.6	189.7	220.5
62.5°	122.6	122.5	122.5	124.3	126.5	129.6	133.6	140.5	152.5	170.3	196.5
65°	105.6	105.3	106.6	107.7	108.4	110.7	113.7	119.8	127.8	141.1	161.4
67.5°	90.5	89.4	90.1	90.5	91.8	93.6	96.4	100.2	106.5	117.2	132.5
70°	80.1	79.2	79.0	79.4	80.6	81.9	84.0	87.6	93.4	102.0	113.2
72.5°	69.5	68.9	68.8	69.7	70.2	71.1	72.6	75.8	80.6	87.0	97.4
75°	54.3	54.3	54.3	54.5	55.1	55.8	57.0	58.7	62.3	66.9	73.9
77.5°	40.7	40.7	40.4	40.4	41.3	41.6	41.8	43.5	45.5	48.5	53.6
80°	31.9	31.0	31.3	31.9	32.3	32.4	33.0	33.4	35.1	36.9	40.4
82.5°	23.7	22.9	23.0	23.9	24.0	24.1	24.7	25.2	25.8	27.4	29.4
85°	12.6	12.6	12.7	12.7	12.9	12.7	13.3	13.5	13.5	14.4	15.6
87.5°	11.9	11.5	11.6	11.6	11.3	11.3	11.3	11.2	11.2	11.1	10.5
90°	36.9	36.4	35.8	35.2	34.7	33.9	32.8	31.7	30.6	29.5	25.9
92.5°	49.7	50.0	50.3	50.6	51.0	50.7	49.8	48.9	48.1	47.2	45.2
95°	95.9	95.9	95.9	95.9	95.9	95.3	94.2	93.2	92.0	91.0	88.8
97.5°	147.6	147.7	147.7	147.9	148.0	147.4	146.1	144.9	143.7	142.4	140.8
100°	186.9	186.3	185.8	185.2	184.7	184.0	183.2	182.4	181.6	180.8	179.4
102.5°	227.2	227.3	227.4	227.6	227.6	227.3	226.5	225.7	224.9	224.0	222.2
105°	292.6	292.0	291.6	291.0	290.4	290.2	290.2	290.2	290.2	290.2	287.7
107.5°	360.7	361.0	361.3	361.7	362.0	361.7	360.9	360.0	359.1	358.2	357.3
110°	406.9	407.5	408.1	408.5	409.1	408.9	407.7	406.7	405.6	404.5	403.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	456.1	456.2	456.3	456.5	456.6	455.9	454.6	453.3	452.0	450.7	450.6
115°	523.7	524.0	524.3	524.6	524.8	524.8	524.6	524.3	524.0	523.7	524.3
117.5°	592.3	593.1	593.9	594.6	595.4	595.8	595.9	595.9	596.0	596.1	596.7
120°	640.5	641.1	641.6	642.2	642.7	643.1	643.4	643.7	643.9	644.2	645.6
122.5°	686.7	687.5	688.3	689.1	689.8	690.6	691.3	691.9	692.7	693.4	694.1
125°	756.1	757.2	758.3	759.4	760.4	761.6	762.6	763.8	764.8	766.0	766.5
127.5°	825.2	826.5	827.7	829.0	830.2	831.6	833.2	834.7	836.2	837.7	838.4
130°	870.4	872.4	874.2	876.2	878.1	879.6	880.7	881.7	882.9	883.9	884.8
132.5°	917.6	919.1	920.6	922.1	923.6	925.0	926.3	927.6	928.9	930.2	930.7
135°	990.9	991.5	992.0	992.5	993.1	993.9	995.0	996.1	997.2	998.3	998.6
137.5°	1055.6	1056.6	1057.7	1058.7	1059.7	1060.9	1062.0	1063.2	1064.3	1065.4	1064.7
140°	1097.9	1099.8	1101.7	1103.6	1105.5	1106.6	1106.9	1107.2	1107.4	1107.7	1107.4
142.5°	1141.2	1142.6	1144.1	1145.6	1147.0	1147.9	1148.2	1148.5	1148.8	1149.0	1148.5
145°	1203.6	1204.7	1205.8	1206.9	1207.9	1208.7	1208.9	1209.2	1209.5	1209.7	1208.9
147.5°	1259.1	1260.8	1262.5	1264.1	1265.8	1266.6	1266.6	1266.6	1266.6	1266.6	1265.8
150°	1294.6	1296.2	1297.9	1299.5	1301.1	1302.0	1302.0	1302.0	1302.0	1302.0	1301.4
152.5°	1329.0	1330.4	1331.9	1333.3	1334.7	1335.2	1334.7	1334.3	1333.9	1333.4	1333.1
155°	1375.7	1377.6	1379.6	1381.4	1383.4	1383.8	1382.7	1381.6	1380.5	1379.4	1379.2
157.5°	1418.3	1419.8	1421.3	1422.9	1424.4	1424.6	1423.4	1422.3	1421.1	1420.0	1419.8
160°	1445.8	1446.9	1448.0	1449.1	1450.2	1450.0	1448.7	1447.3	1445.9	1444.5	1444.5
162.5°	1466.5	1468.2	1470.0	1471.7	1473.5	1473.7	1472.3	1470.9	1469.6	1468.2	1467.9
165°	1496.2	1498.1	1500.1	1501.9	1503.9	1504.0	1502.4	1500.7	1499.1	1497.5	1497.5
167.5°	1521.5	1523.2	1524.9	1526.6	1528.3	1528.3	1526.6	1524.9	1523.2	1521.5	1521.3
170°	1534.3	1536.3	1538.1	1540.1	1542.0	1542.0	1540.1	1538.1	1536.3	1534.3	1534.3
172.5°	1544.2	1546.1	1548.0	1549.9	1551.8	1551.9	1550.2	1548.5	1546.9	1545.2	1545.2
175°	1555.3	1557.1	1559.0	1561.0	1562.8	1563.0	1561.4	1559.7	1558.1	1556.5	1556.5
177.5°	1561.1	1562.7	1564.2	1565.7	1567.2	1567.3	1566.0	1564.7	1563.4	1562.1	1562.1
180°	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	404.1	403.0	401.8	399.7	397.8	395.3	394.4	393.5	390.8	388.4	386.5
5°	428.8	424.3	417.7	411.6	406.7	400.0	396.2	392.2	386.5	381.4	377.2
7.5°	454.7	445.7	435.4	424.3	413.8	403.8	395.7	388.5	380.5	373.0	367.0
10°	475.2	462.3	447.8	432.3	419.0	406.1	395.3	385.8	375.5	366.6	359.1
12.5°	498.6	479.5	459.6	440.7	424.9	407.0	393.9	381.8	370.1	359.5	351.1
15°	526.3	502.0	478.4	452.4	428.5	406.1	390.5	375.3	361.8	350.8	340.1
17.5°	551.5	524.0	492.9	461.3	432.4	405.9	384.1	366.9	350.0	336.6	326.0
20°	565.8	534.5	499.4	466.5	434.6	405.0	381.0	360.5	342.3	328.0	316.1
22.5°	578.1	541.4	505.1	469.9	434.4	402.5	375.4	354.2	334.5	320.6	307.9
25°	590.9	547.0	510.5	469.4	429.7	396.6	366.2	342.3	322.5	306.1	293.1
27.5°	601.9	546.7	503.4	459.0	422.1	389.0	356.5	330.8	309.9	292.1	278.8
30°	609.1	547.4	495.9	452.1	414.8	380.7	349.1	323.3	301.3	283.2	270.7
32.5°	613.7	546.9	489.1	442.3	403.2	373.0	341.0	314.3	291.6	273.9	261.9
35°	616.4	543.6	477.3	422.2	384.7	355.1	328.4	300.7	277.0	260.4	246.7
37.5°	611.0	536.5	463.7	402.8	361.7	332.7	310.1	286.6	263.8	245.6	233.8
40°	602.7	532.0	453.0	389.1	345.8	318.0	298.8	275.6	253.2	235.9	224.9
42.5°	586.7	522.8	441.3	374.0	329.5	301.6	283.9	264.5	243.3	227.1	216.1
45°	547.8	502.6	423.7	351.2	305.2	276.4	260.8	246.7	227.6	211.8	202.3
47.5°	493.7	472.2	398.4	327.2	279.9	252.2	235.9	224.7	210.7	197.9	188.8
50°	456.2	447.3	381.2	310.7	263.1	235.9	220.3	210.1	200.0	187.3	179.0
52.5°	412.9	418.4	361.2	293.8	245.9	219.2	204.6	196.4	187.3	176.8	169.5
55°	352.0	371.9	326.5	265.1	220.3	194.9	181.0	173.8	168.4	160.7	154.4
57.5°	294.9	320.2	289.0	235.7	195.2	173.3	160.0	152.1	148.7	144.6	139.7
60°	261.0	286.0	262.3	216.0	178.4	157.4	145.7	139.0	135.6	132.7	128.6
62.5°	230.7	256.1	236.2	195.9	161.8	142.4	132.2	125.6	123.0	121.6	118.0
65°	189.1	211.0	197.7	164.7	138.1	121.0	111.7	107.1	104.7	104.1	101.8
67.5°	153.9	170.6	160.9	136.6	115.7	100.9	93.0	89.1	87.2	87.0	85.3
70°	130.9	146.4	139.0	117.0	99.0	87.4	80.6	77.1	76.0	75.8	74.8
72.5°	112.9	123.8	117.9	99.5	85.6	75.1	70.0	66.4	65.2	65.5	64.8
75°	83.6	91.7	88.3	75.6	64.4	57.6	53.4	51.1	50.0	50.5	49.7
77.5°	60.2	65.3	62.2	53.4	46.5	41.6	38.5	37.1	36.0	36.0	35.7
80°	45.4	48.4	46.7	41.4	35.7	31.6	29.0	28.1	27.6	27.3	27.1
82.5°	32.4	34.9	32.9	29.3	25.4	22.8	21.4	20.2	19.8	19.9	19.7
85°	16.3	17.3	16.6	14.3	12.7	11.6	10.8	10.3	9.9	10.0	9.7
87.5°	10.1	9.5	8.4	7.2	6.3	5.3	4.7	3.9	4.2	4.6	5.1
90°	22.4	18.8	15.3	12.1	9.5	6.7	4.0	1.2	4.0	6.7	9.5
92.5°	43.1	41.2	39.1	37.2	35.3	33.4	31.6	29.8	31.6	33.4	35.3
95°	86.6	84.4	82.3	80.2	78.3	76.4	74.4	72.6	74.4	76.4	78.3
97.5°	139.2	137.6	136.0	134.5	133.1	131.7	130.3	128.8	130.3	131.7	133.1
100°	178.0	176.6	175.3	173.7	172.1	170.5	168.8	167.2	168.8	170.5	172.1
102.5°	220.4	218.6	216.8	215.4	214.4	213.4	212.5	211.5	212.5	213.4	214.4
105°	285.2	282.7	280.3	278.8	278.3	277.7	277.2	276.6	277.2	277.7	278.3
107.5°	356.3	355.3	354.3	353.7	353.4	353.0	352.7	352.4	352.7	353.0	353.4
110°	403.4	402.8	402.3	401.8	401.2	400.6	400.1	399.6	400.1	400.6	401.2





TEST NUMBER: P332115-930

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	450.5	450.4	450.3	450.0	449.7	449.4	449.1	448.7	449.1	449.4	449.7
115°	524.8	525.4	525.9	525.8	525.0	524.2	523.3	522.5	523.3	524.2	525.0
117.5°	597.5	598.2	598.8	598.9	598.4	597.9	597.3	596.8	597.3	597.9	598.4
120°	646.9	648.3	649.7	649.5	647.9	646.3	644.7	643.0	644.7	646.3	647.9
122.5°	694.8	695.5	696.3	696.0	694.8	693.6	692.4	691.2	692.4	693.6	694.8
125°	767.0	767.6	768.1	768.0	767.2	766.4	765.5	764.7	765.5	766.4	767.2
127.5°	838.9	839.5	840.2	839.6	837.8	836.1	834.3	832.6	834.3	836.1	837.8
130°	885.6	886.4	887.2	886.6	884.4	882.2	880.0	877.8	880.0	882.2	884.4
132.5°	931.4	932.0	932.6	931.8	929.6	927.4	925.2	923.1	925.2	927.4	929.6
135°	998.8	999.1	999.4	998.7	997.0	995.4	993.8	992.1	993.8	995.4	997.0
137.5°	1064.0	1063.3	1062.6	1061.5	1060.2	1058.8	1057.4	1056.1	1057.4	1058.8	1060.2
140°	1107.2	1106.9	1106.6	1105.8	1104.4	1103.1	1101.7	1100.3	1101.7	1103.1	1104.4
142.5°	1148.0	1147.5	1147.0	1146.1	1144.8	1143.4	1142.0	1140.7	1142.0	1143.4	1144.8
145°	1208.1	1207.3	1206.5	1205.8	1205.3	1204.7	1204.2	1203.6	1204.2	1204.7	1205.3
147.5°	1265.0	1264.3	1263.5	1262.7	1261.7	1260.6	1259.6	1258.7	1259.6	1260.6	1261.7
150°	1300.9	1300.3	1299.8	1299.3	1298.7	1298.1	1297.6	1297.1	1297.6	1298.1	1298.7
152.5°	1332.8	1332.4	1332.1	1331.5	1330.8	1330.1	1329.3	1328.5	1329.3	1330.1	1330.8
155°	1378.8	1378.6	1378.3	1378.2	1378.2	1378.2	1378.2	1378.2	1378.2	1378.2	1378.2
157.5°	1419.5	1419.4	1419.1	1419.2	1419.5	1419.8	1420.2	1420.5	1420.2	1419.8	1419.5
160°	1444.5	1444.5	1444.5	1444.9	1445.4	1445.9	1446.5	1447.1	1446.5	1445.9	1445.4
162.5°	1467.8	1467.5	1467.3	1467.6	1468.4	1469.1	1469.9	1470.6	1469.9	1469.1	1468.4
165°	1497.5	1497.5	1497.5	1497.9	1498.7	1499.5	1500.3	1501.1	1500.3	1499.5	1498.7
167.5°	1521.1	1520.9	1520.7	1521.1	1522.2	1523.3	1524.4	1525.5	1524.4	1523.3	1522.2
170°	1534.3	1534.3	1534.3	1534.9	1535.9	1537.1	1538.1	1539.2	1538.1	1537.1	1535.9
172.5°	1545.2	1545.2	1545.2	1545.7	1546.8	1547.8	1549.0	1550.0	1549.0	1547.8	1546.8
175°	1556.5	1556.5	1556.5	1557.0	1558.1	1559.2	1560.3	1561.4	1560.3	1559.2	1558.1
177.5°	1562.1	1562.1	1562.1	1562.5	1563.4	1564.3	1565.2	1566.0	1565.2	1564.3	1563.4
180°	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	385.5	384.4	382.9	380.7	378.8	375.9	375.9	376.3	376.3	376.3	375.9
5°	373.8	371.0	367.5	363.5	359.4	355.1	354.4	352.9	351.8	351.0	350.1
7.5°	361.4	356.4	351.4	345.8	340.7	336.6	333.6	331.2	329.6	327.9	326.7
10°	353.1	346.8	341.0	335.1	328.6	323.4	320.2	318.0	316.3	314.7	314.0
12.5°	343.2	336.1	329.5	323.9	316.9	311.6	308.5	307.4	305.5	302.2	300.6
15°	328.8	322.1	314.4	305.8	302.4	296.0	292.3	290.6	289.4	287.0	286.3
17.5°	316.4	307.8	299.0	292.6	286.3	281.0	279.0	276.9	275.4	273.4	272.7
20°	306.6	298.8	290.8	284.0	277.3	271.6	269.9	268.4	266.8	266.0	265.1
22.5°	296.5	288.8	282.1	275.7	268.6	264.9	263.1	261.4	260.3	259.7	258.9
25°	282.4	275.6	268.2	262.5	256.8	254.3	253.2	252.3	251.4	250.5	250.3
27.5°	269.9	262.4	256.4	251.0	247.0	244.9	243.8	243.4	243.5	243.9	244.1
30°	260.4	253.6	248.7	244.1	240.3	238.4	238.1	238.1	239.0	239.1	239.5
32.5°	251.8	246.1	241.2	236.8	233.9	232.6	233.3	233.3	233.9	234.4	235.1
35°	239.1	234.2	230.4	226.6	224.1	224.7	225.1	225.4	226.4	227.6	228.3
37.5°	227.1	222.8	218.8	215.9	214.7	215.7	216.7	217.4	218.6	219.5	220.2
40°	218.4	215.2	211.4	208.7	209.1	209.7	210.4	211.4	212.4	213.0	213.7
42.5°	210.3	207.0	204.1	201.9	202.4	203.2	203.6	204.1	205.2	206.3	206.7
45°	198.1	195.4	192.8	191.4	191.8	192.2	192.6	193.1	194.1	194.9	195.1
47.5°	184.3	182.5	180.7	179.4	180.0	179.9	180.3	181.6	181.8	182.3	183.4
50°	175.5	173.8	171.7	171.3	171.3	171.3	171.5	173.0	173.0	173.8	174.6
52.5°	165.8	164.7	163.4	162.7	162.3	162.3	163.1	163.9	164.2	165.3	166.1
55°	151.4	150.3	149.1	148.5	148.1	148.5	150.0	150.4	151.4	152.0	152.5
57.5°	136.4	135.5	134.6	134.3	134.2	134.7	135.5	136.6	136.9	138.7	139.5
60°	126.5	125.1	124.4	124.4	124.0	125.7	125.4	127.3	127.7	128.8	130.1
62.5°	116.3	114.5	114.2	114.2	114.8	115.3	115.8	116.6	117.6	119.0	120.1
65°	99.9	99.0	100.3	100.1	99.7	100.9	100.9	101.8	103.0	104.3	106.4
67.5°	84.4	83.9	84.0	84.0	84.5	85.2	85.8	86.6	88.0	89.4	90.7
70°	73.9	74.4	73.5	74.3	74.8	75.0	75.4	76.6	78.0	79.0	80.6
72.5°	63.7	63.7	63.8	64.1	64.7	65.0	65.4	66.7	68.3	69.1	70.4
75°	49.0	48.8	49.4	49.4	50.3	50.7	51.1	51.7	53.2	54.3	55.3
77.5°	35.8	36.0	35.9	36.5	36.3	36.4	37.5	38.1	38.2	40.5	41.0
80°	27.0	27.3	27.6	27.7	27.9	27.6	28.9	29.4	29.4	30.7	31.7
82.5°	19.4	19.6	20.1	20.3	20.3	20.7	20.8	21.2	21.7	22.3	23.5
85°	9.7	10.3	10.4	10.3	10.4	10.0	10.6	10.8	11.0	11.0	11.0
87.5°	5.5	6.3	6.8	7.7	8.2	9.1	9.3	9.2	9.5	10.1	9.7
90°	12.1	15.3	18.8	22.4	25.9	29.5	30.6	31.7	32.8	33.9	34.7
92.5°	37.2	39.1	41.2	43.1	45.2	47.2	48.1	48.9	49.8	50.7	51.0
95°	80.2	82.3	84.4	86.6	88.8	91.0	92.0	93.2	94.2	95.3	95.9
97.5°	134.5	136.0	137.6	139.2	140.8	142.4	143.7	144.9	146.1	147.4	148.0
100°	173.7	175.3	176.6	178.0	179.4	180.8	181.6	182.4	183.2	184.0	184.7
102.5°	215.4	216.8	218.6	220.4	222.2	224.0	224.9	225.7	226.5	227.3	227.6
105°	278.8	280.3	282.7	285.2	287.7	290.2	290.2	290.2	290.2	290.2	290.4
107.5°	353.7	354.3	355.3	356.3	357.3	358.2	359.1	360.0	360.9	361.7	362.0
110°	401.8	402.3	402.8	403.4	403.9	404.5	405.6	406.7	407.7	408.9	409.1



TEST NUMBER: P332115-930

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	450.0	450.3	450.4	450.5	450.6	450.7	452.0	453.3	454.6	455.9	456.6
115°	525.8	525.9	525.4	524.8	524.3	523.7	524.0	524.3	524.6	524.8	524.8
117.5°	598.9	598.8	598.2	597.5	596.7	596.1	596.0	595.9	595.9	595.8	595.4
120°	649.5	649.7	648.3	646.9	645.6	644.2	643.9	643.7	643.4	643.1	642.7
122.5°	696.0	696.3	695.5	694.8	694.1	693.4	692.7	691.9	691.3	690.6	689.8
125°	768.0	768.1	767.6	767.0	766.5	766.0	764.8	763.8	762.6	761.6	760.4
127.5°	839.6	840.2	839.5	838.9	838.4	837.7	836.2	834.7	833.2	831.6	830.2
130°	886.6	887.2	886.4	885.6	884.8	883.9	882.9	881.7	880.7	879.6	878.1
132.5°	931.8	932.6	932.0	931.4	930.7	930.2	928.9	927.6	926.3	925.0	923.6
135°	998.7	999.4	999.1	998.8	998.6	998.3	997.2	996.1	995.0	993.9	993.1
137.5°	1061.5	1062.6	1063.3	1064.0	1064.7	1065.4	1064.3	1063.2	1062.0	1060.9	1059.7
140°	1105.8	1106.6	1106.9	1107.2	1107.4	1107.7	1107.4	1107.2	1106.9	1106.6	1105.5
142.5°	1146.1	1147.0	1147.5	1148.0	1148.5	1149.0	1148.8	1148.5	1148.2	1147.9	1147.0
145°	1205.8	1206.5	1207.3	1208.1	1208.9	1209.7	1209.5	1209.2	1208.9	1208.7	1207.9
147.5°	1262.7	1263.5	1264.3	1265.0	1265.8	1266.6	1266.6	1266.6	1266.6	1266.6	1265.8
150°	1299.3	1299.8	1300.3	1300.9	1301.4	1302.0	1302.0	1302.0	1302.0	1302.0	1301.1
152.5°	1331.5	1332.1	1332.4	1332.8	1333.1	1333.4	1333.9	1334.3	1334.7	1335.2	1334.7
155°	1378.2	1378.3	1378.6	1378.8	1379.2	1379.4	1380.5	1381.6	1382.7	1383.8	1383.4
157.5°	1419.2	1419.1	1419.4	1419.5	1419.8	1420.0	1421.1	1422.3	1423.4	1424.6	1424.4
160°	1444.9	1444.5	1444.5	1444.5	1444.5	1444.5	1445.9	1447.3	1448.7	1450.0	1450.2
162.5°	1467.6	1467.3	1467.5	1467.8	1467.9	1468.2	1469.6	1470.9	1472.3	1473.7	1473.5
165°	1497.9	1497.5	1497.5	1497.5	1497.5	1497.5	1499.1	1500.7	1502.4	1504.0	1503.9
167.5°	1521.1	1520.7	1520.9	1521.1	1521.3	1521.5	1523.2	1524.9	1526.6	1528.3	1528.3
170°	1534.9	1534.3	1534.3	1534.3	1534.3	1534.3	1536.3	1538.1	1540.1	1542.0	1542.0
172.5°	1545.7	1545.2	1545.2	1545.2	1545.2	1545.2	1546.9	1548.5	1550.2	1551.9	1551.8
175°	1557.0	1556.5	1556.5	1556.5	1556.5	1556.5	1558.1	1559.7	1561.4	1563.0	1562.8
177.5°	1562.5	1562.1	1562.1	1562.1	1562.1	1562.1	1563.4	1564.7	1566.0	1567.3	1567.2
180°	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0



TEST NUMBER: P332115-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	374.9	374.7	375.8	375.0	375.8	374.7	374.9	375.9	376.3	376.3	376.3
5°	348.9	349.5	347.6	347.6	347.6	349.5	348.9	350.1	351.0	351.8	352.9
7.5°	325.8	325.0	325.1	324.0	325.1	325.0	325.8	326.7	327.9	329.6	331.2
10°	311.7	310.5	310.1	310.4	310.1	310.5	311.7	314.0	314.7	316.3	318.0
12.5°	299.9	299.8	297.3	297.3	297.3	299.8	299.9	300.6	302.2	305.5	307.4
15°	286.3	282.7	282.3	283.4	282.3	282.7	286.3	286.3	287.0	289.4	290.6
17.5°	272.5	270.5	270.7	270.1	270.7	270.5	272.5	272.7	273.4	275.4	276.9
20°	265.1	264.0	263.8	262.5	263.8	264.0	265.1	265.1	266.0	266.8	268.4
22.5°	258.4	258.1	258.2	256.7	258.2	258.1	258.4	258.9	259.7	260.3	261.4
25°	250.1	251.1	250.3	250.3	250.3	251.1	250.1	250.3	250.5	251.4	252.3
27.5°	244.5	244.5	244.1	244.1	244.1	244.5	244.5	244.1	243.9	243.5	243.4
30°	240.3	240.1	240.4	240.4	240.4	240.1	240.3	239.5	239.1	239.0	238.1
32.5°	236.0	236.3	236.4	236.5	236.4	236.3	236.0	235.1	234.4	233.9	233.3
35°	229.4	229.7	230.2	229.8	230.2	229.7	229.4	228.3	227.6	226.4	225.4
37.5°	220.5	221.4	221.3	221.5	221.3	221.4	220.5	220.2	219.5	218.6	217.4
40°	213.9	214.4	214.3	214.3	214.3	214.4	213.9	213.7	213.0	212.4	211.4
42.5°	207.0	207.4	206.9	206.7	206.9	207.4	207.0	206.7	206.3	205.2	204.1
45°	195.8	195.4	196.0	195.3	196.0	195.4	195.8	195.1	194.9	194.1	193.1
47.5°	183.3	183.7	183.8	184.4	183.8	183.7	183.3	183.4	182.3	181.8	181.6
50°	175.0	176.1	176.1	175.9	176.1	176.1	175.0	174.6	173.8	173.0	173.0
52.5°	166.7	167.2	168.0	168.0	168.0	167.2	166.7	166.1	165.3	164.2	163.9
55°	154.0	154.4	154.8	155.0	154.8	154.4	154.0	152.5	152.0	151.4	150.4
57.5°	140.9	140.7	141.6	141.9	141.6	140.7	140.9	139.5	138.7	136.9	136.6
60°	131.6	131.6	133.1	133.7	133.1	131.6	131.6	130.1	128.8	127.7	127.3
62.5°	121.7	122.4	123.8	123.1	123.8	122.4	121.7	120.1	119.0	117.6	116.6
65°	107.3	108.8	108.7	109.4	108.7	108.8	107.3	106.4	104.3	103.0	101.8
67.5°	92.2	93.2	94.6	94.7	94.6	93.2	92.2	90.7	89.4	88.0	86.6
70°	82.0	83.0	83.7	84.3	83.7	83.0	82.0	80.6	79.0	78.0	76.6
72.5°	72.2	72.6	74.5	73.7	74.5	72.6	72.2	70.4	69.1	68.3	66.7
75°	56.6	58.0	59.1	58.5	59.1	58.0	56.6	55.3	54.3	53.2	51.7
77.5°	41.8	43.2	43.7	43.2	43.7	43.2	41.8	41.0	40.5	38.2	38.1
80°	33.0	32.9	34.0	33.8	34.0	32.9	33.0	31.7	30.7	29.4	29.4
82.5°	24.2	24.1	24.5	24.7	24.5	24.1	24.2	23.5	22.3	21.7	21.2
85°	11.7	12.3	11.6	11.4	11.6	12.3	11.7	11.0	11.0	11.0	10.8
87.5°	9.8	9.9	9.9	9.8	9.9	9.9	9.8	9.7	10.1	9.5	9.2
90°	35.2	35.8	36.4	36.9	36.4	35.8	35.2	34.7	33.9	32.8	31.7
92.5°	50.6	50.3	50.0	49.7	50.0	50.3	50.6	51.0	50.7	49.8	48.9
95°	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.3	94.2	93.2
97.5°	147.9	147.7	147.7	147.6	147.7	147.7	147.9	148.0	147.4	146.1	144.9
100°	185.2	185.8	186.3	186.9	186.3	185.8	185.2	184.7	184.0	183.2	182.4
102.5°	227.6	227.4	227.3	227.2	227.3	227.4	227.6	227.6	227.3	226.5	225.7
105°	291.0	291.6	292.0	292.6	292.0	291.6	291.0	290.4	290.2	290.2	290.2
107.5°	361.7	361.3	361.0	360.7	361.0	361.3	361.7	362.0	361.7	360.9	360.0
110°	408.5	408.1	407.5	406.9	407.5	408.1	408.5	409.1	408.9	407.7	406.7



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	456.5	456.3	456.2	456.1	456.2	456.3	456.5	456.6	455.9	454.6	453.3
115°	524.6	524.3	524.0	523.7	524.0	524.3	524.6	524.8	524.8	524.6	524.3
117.5°	594.6	593.9	593.1	592.3	593.1	593.9	594.6	595.4	595.8	595.9	595.9
120°	642.2	641.6	641.1	640.5	641.1	641.6	642.2	642.7	643.1	643.4	643.7
122.5°	689.1	688.3	687.5	686.7	687.5	688.3	689.1	689.8	690.6	691.3	691.9
125°	759.4	758.3	757.2	756.1	757.2	758.3	759.4	760.4	761.6	762.6	763.8
127.5°	829.0	827.7	826.5	825.2	826.5	827.7	829.0	830.2	831.6	833.2	834.7
130°	876.2	874.2	872.4	870.4	872.4	874.2	876.2	878.1	879.6	880.7	881.7
132.5°	922.1	920.6	919.1	917.6	919.1	920.6	922.1	923.6	925.0	926.3	927.6
135°	992.5	992.0	991.5	990.9	991.5	992.0	992.5	993.1	993.9	995.0	996.1
137.5°	1058.7	1057.7	1056.6	1055.6	1056.6	1057.7	1058.7	1059.7	1060.9	1062.0	1063.2
140°	1103.6	1101.7	1099.8	1097.9	1099.8	1101.7	1103.6	1105.5	1106.6	1106.9	1107.2
142.5°	1145.6	1144.1	1142.6	1141.2	1142.6	1144.1	1145.6	1147.0	1147.9	1148.2	1148.5
145°	1206.9	1205.8	1204.7	1203.6	1204.7	1205.8	1206.9	1207.9	1208.7	1208.9	1209.2
147.5°	1264.1	1262.5	1260.8	1259.1	1260.8	1262.5	1264.1	1265.8	1266.6	1266.6	1266.6
150°	1299.5	1297.9	1296.2	1294.6	1296.2	1297.9	1299.5	1301.1	1302.0	1302.0	1302.0
152.5°	1333.3	1331.9	1330.4	1329.0	1330.4	1331.9	1333.3	1334.7	1335.2	1334.7	1334.3
155°	1381.4	1379.6	1377.6	1375.7	1377.6	1379.6	1381.4	1383.4	1383.8	1382.7	1381.6
157.5°	1422.9	1421.3	1419.8	1418.3	1419.8	1421.3	1422.9	1424.4	1424.6	1423.4	1422.3
160°	1449.1	1448.0	1446.9	1445.8	1446.9	1448.0	1449.1	1450.2	1450.0	1448.7	1447.3
162.5°	1471.7	1470.0	1468.2	1466.5	1468.2	1470.0	1471.7	1473.5	1473.7	1472.3	1470.9
165°	1501.9	1500.1	1498.1	1496.2	1498.1	1500.1	1501.9	1503.9	1504.0	1502.4	1500.7
167.5°	1526.6	1524.9	1523.2	1521.5	1523.2	1524.9	1526.6	1528.3	1528.3	1526.6	1524.9
170°	1540.1	1538.1	1536.3	1534.3	1536.3	1538.1	1540.1	1542.0	1542.0	1540.1	1538.1
172.5°	1549.9	1548.0	1546.1	1544.2	1546.1	1548.0	1549.9	1551.8	1551.9	1550.2	1548.5
175°	1561.0	1559.0	1557.1	1555.3	1557.1	1559.0	1561.0	1562.8	1563.0	1561.4	1559.7
177.5°	1565.7	1564.2	1562.7	1561.1	1562.7	1564.2	1565.7	1567.2	1567.3	1566.0	1564.7
180°	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	375.9	375.9	378.8	380.7	382.9	384.4	385.5	386.5	388.4	390.8	393.5
5°	354.4	355.1	359.4	363.5	367.5	371.0	373.8	377.2	381.4	386.5	392.2
7.5°	333.6	336.6	340.7	345.8	351.4	356.4	361.4	367.0	373.0	380.5	388.5
10°	320.2	323.4	328.6	335.1	341.0	346.8	353.1	359.1	366.6	375.5	385.8
12.5°	308.5	311.6	316.9	323.9	329.5	336.1	343.2	351.1	359.5	370.1	381.8
15°	292.3	296.0	302.4	305.8	314.4	322.1	328.8	340.1	350.8	361.8	375.3
17.5°	279.0	281.0	286.3	292.6	299.0	307.8	316.4	326.0	336.6	350.0	366.9
20°	269.9	271.6	277.3	284.0	290.8	298.8	306.6	316.1	328.0	342.3	360.5
22.5°	263.1	264.9	268.6	275.7	282.1	288.8	296.5	307.9	320.6	334.5	354.2
25°	253.2	254.3	256.8	262.5	268.2	275.6	282.4	293.1	306.1	322.5	342.3
27.5°	243.8	244.9	247.0	251.0	256.4	262.4	269.9	278.8	292.1	309.9	330.8
30°	238.1	238.4	240.3	244.1	248.7	253.6	260.4	270.7	283.2	301.3	323.3
32.5°	233.3	232.6	233.9	236.8	241.2	246.1	251.8	261.9	273.9	291.6	314.3
35°	225.1	224.7	224.1	226.6	230.4	234.2	239.1	246.7	260.4	277.0	300.7
37.5°	216.7	215.7	214.7	215.9	218.8	222.8	227.1	233.8	245.6	263.8	286.6
40°	210.4	209.7	209.1	208.7	211.4	215.2	218.4	224.9	235.9	253.2	275.6
42.5°	203.6	203.2	202.4	201.9	204.1	207.0	210.3	216.1	227.1	243.3	264.5
45°	192.6	192.2	191.8	191.4	192.8	195.4	198.1	202.3	211.8	227.6	246.7
47.5°	180.3	179.9	180.0	179.4	180.7	182.5	184.3	188.8	197.9	210.7	224.7
50°	171.5	171.3	171.3	171.3	171.7	173.8	175.5	179.0	187.3	200.0	210.1
52.5°	163.1	162.3	162.3	162.7	163.4	164.7	165.8	169.5	176.8	187.3	196.4
55°	150.0	148.5	148.1	148.5	149.1	150.3	151.4	154.4	160.7	168.4	173.8
57.5°	135.5	134.7	134.2	134.3	134.6	135.5	136.4	139.7	144.6	148.7	152.1
60°	125.4	125.7	124.0	124.4	124.4	125.1	126.5	128.6	132.7	135.6	139.0
62.5°	115.8	115.3	114.8	114.2	114.2	114.5	116.3	118.0	121.6	123.0	125.6
65°	100.9	100.9	99.7	100.1	100.3	99.0	99.9	101.8	104.1	104.7	107.1
67.5°	85.8	85.2	84.5	84.0	84.0	83.9	84.4	85.3	87.0	87.2	89.1
70°	75.4	75.0	74.8	74.3	73.5	74.4	73.9	74.8	75.8	76.0	77.1
72.5°	65.4	65.0	64.7	64.1	63.8	63.7	63.7	64.8	65.5	65.2	66.4
75°	51.1	50.7	50.3	49.4	49.4	48.8	49.0	49.7	50.5	50.0	51.1
77.5°	37.5	36.4	36.3	36.5	35.9	36.0	35.8	35.7	36.0	36.0	37.1
80°	28.9	27.6	27.9	27.7	27.6	27.3	27.0	27.1	27.3	27.6	28.1
82.5°	20.8	20.7	20.3	20.3	20.1	19.6	19.4	19.7	19.9	19.8	20.2
85°	10.6	10.0	10.4	10.3	10.4	10.3	9.7	9.7	10.0	9.9	10.3
87.5°	9.3	9.1	8.2	7.7	6.8	6.3	5.5	5.1	4.6	4.2	3.9
90°	30.6	29.5	25.9	22.4	18.8	15.3	12.1	9.5	6.7	4.0	1.2
92.5°	48.1	47.2	45.2	43.1	41.2	39.1	37.2	35.3	33.4	31.6	29.8
95°	92.0	91.0	88.8	86.6	84.4	82.3	80.2	78.3	76.4	74.4	72.6
97.5°	143.7	142.4	140.8	139.2	137.6	136.0	134.5	133.1	131.7	130.3	128.8
100°	181.6	180.8	179.4	178.0	176.6	175.3	173.7	172.1	170.5	168.8	167.2
102.5°	224.9	224.0	222.2	220.4	218.6	216.8	215.4	214.4	213.4	212.5	211.5
105°	290.2	290.2	287.7	285.2	282.7	280.3	278.8	278.3	277.7	277.2	276.6
107.5°	359.1	358.2	357.3	356.3	355.3	354.3	353.7	353.4	353.0	352.7	352.4
110°	405.6	404.5	403.9	403.4	402.8	402.3	401.8	401.2	400.6	400.1	399.6



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	452.0	450.7	450.6	450.5	450.4	450.3	450.0	449.7	449.4	449.1	448.7
115°	524.0	523.7	524.3	524.8	525.4	525.9	525.8	525.0	524.2	523.3	522.5
117.5°	596.0	596.1	596.7	597.5	598.2	598.8	598.9	598.4	597.9	597.3	596.8
120°	643.9	644.2	645.6	646.9	648.3	649.7	649.5	647.9	646.3	644.7	643.0
122.5°	692.7	693.4	694.1	694.8	695.5	696.3	696.0	694.8	693.6	692.4	691.2
125°	764.8	766.0	766.5	767.0	767.6	768.1	768.0	767.2	766.4	765.5	764.7
127.5°	836.2	837.7	838.4	838.9	839.5	840.2	839.6	837.8	836.1	834.3	832.6
130°	882.9	883.9	884.8	885.6	886.4	887.2	886.6	884.4	882.2	880.0	877.8
132.5°	928.9	930.2	930.7	931.4	932.0	932.6	931.8	929.6	927.4	925.2	923.1
135°	997.2	998.3	998.6	998.8	999.1	999.4	998.7	997.0	995.4	993.8	992.1
137.5°	1064.3	1065.4	1064.7	1064.0	1063.3	1062.6	1061.5	1060.2	1058.8	1057.4	1056.1
140°	1107.4	1107.7	1107.4	1107.2	1106.9	1106.6	1105.8	1104.4	1103.1	1101.7	1100.3
142.5°	1148.8	1149.0	1148.5	1148.0	1147.5	1147.0	1146.1	1144.8	1143.4	1142.0	1140.7
145°	1209.5	1209.7	1208.9	1208.1	1207.3	1206.5	1205.8	1205.3	1204.7	1204.2	1203.6
147.5°	1266.6	1266.6	1265.8	1265.0	1264.3	1263.5	1262.7	1261.7	1260.6	1259.6	1258.7
150°	1302.0	1302.0	1301.4	1300.9	1300.3	1299.8	1299.3	1298.7	1298.1	1297.6	1297.1
152.5°	1333.9	1333.4	1333.1	1332.8	1332.4	1332.1	1331.5	1330.8	1330.1	1329.3	1328.5
155°	1380.5	1379.4	1379.2	1378.8	1378.6	1378.3	1378.2	1378.2	1378.2	1378.2	1378.2
157.5°	1421.1	1420.0	1419.8	1419.5	1419.4	1419.1	1419.2	1419.5	1419.8	1420.2	1420.5
160°	1445.9	1444.5	1444.5	1444.5	1444.5	1444.5	1444.9	1445.4	1445.9	1446.5	1447.1
162.5°	1469.6	1468.2	1467.9	1467.8	1467.5	1467.3	1467.6	1468.4	1469.1	1469.9	1470.6
165°	1499.1	1497.5	1497.5	1497.5	1497.5	1497.5	1497.9	1498.7	1499.5	1500.3	1501.1
167.5°	1523.2	1521.5	1521.3	1521.1	1520.9	1520.7	1521.1	1522.2	1523.3	1524.4	1525.5
170°	1536.3	1534.3	1534.3	1534.3	1534.3	1534.3	1534.9	1535.9	1537.1	1538.1	1539.2
172.5°	1546.9	1545.2	1545.2	1545.2	1545.2	1545.2	1545.7	1546.8	1547.8	1549.0	1550.0
175°	1558.1	1556.5	1556.5	1556.5	1556.5	1556.5	1557.0	1558.1	1559.2	1560.3	1561.4
177.5°	1563.4	1562.1	1562.1	1562.1	1562.1	1562.1	1562.5	1563.4	1564.3	1565.2	1566.0
180°	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	394.4	395.3	397.8	399.7	401.8	403.0	404.1	405.1	406.3	406.6	411.0
5°	396.2	400.0	406.7	411.6	417.7	424.3	428.8	431.0	436.5	441.0	450.1
7.5°	395.7	403.8	413.8	424.3	435.4	445.7	454.7	465.4	472.9	484.3	495.5
10°	395.3	406.1	419.0	432.3	447.8	462.3	475.2	489.7	501.7	517.4	530.8
12.5°	393.9	407.0	424.9	440.7	459.6	479.5	498.6	517.1	527.7	554.0	566.4
15°	390.5	406.1	428.5	452.4	478.4	502.0	526.3	545.7	577.0	600.0	614.7
17.5°	384.1	405.9	432.4	461.3	492.9	524.0	551.5	580.9	614.2	642.0	671.6
20°	381.0	405.0	434.6	466.5	499.4	534.5	565.8	601.1	637.4	664.8	702.8
22.5°	375.4	402.5	434.4	469.9	505.1	541.4	578.1	613.8	655.7	693.3	729.5
25°	366.2	396.6	429.7	469.4	510.5	547.0	590.9	638.2	681.8	730.3	766.4
27.5°	356.5	389.0	422.1	459.0	503.4	546.7	601.9	655.3	708.7	750.5	777.2
30°	349.1	380.7	414.8	452.1	495.9	547.4	609.1	667.4	719.5	755.4	770.4
32.5°	341.0	373.0	403.2	442.3	489.1	546.9	613.7	674.6	720.1	744.0	741.0
35°	328.4	355.1	384.7	422.2	477.3	543.6	616.4	675.2	703.1	698.0	659.3
37.5°	310.1	332.7	361.7	402.8	463.7	536.5	611.0	655.2	653.4	611.6	555.5
40°	298.8	318.0	345.8	389.1	453.0	532.0	602.7	631.4	607.1	548.7	481.5
42.5°	283.9	301.6	329.5	374.0	441.3	522.8	586.7	595.0	547.5	480.4	418.7
45°	260.8	276.4	305.2	351.2	423.7	502.6	547.8	527.4	463.4	394.1	347.2
47.5°	235.9	252.2	279.9	327.2	398.4	472.2	493.7	450.5	384.8	328.6	285.5
50°	220.3	235.9	263.1	310.7	381.2	447.3	456.2	400.4	340.0	290.6	255.3
52.5°	204.6	219.2	245.9	293.8	361.2	418.4	412.9	356.0	300.5	258.4	230.6
55°	181.0	194.9	220.3	265.1	326.5	371.9	352.0	297.7	251.7	219.0	197.9
57.5°	160.0	173.3	195.2	235.7	289.0	320.2	294.9	249.1	212.5	187.4	171.7
60°	145.7	157.4	178.4	216.0	262.3	286.0	261.0	220.5	189.7	169.6	155.6
62.5°	132.2	142.4	161.8	195.9	236.2	256.1	230.7	196.5	170.3	152.5	140.5
65°	111.7	121.0	138.1	164.7	197.7	211.0	189.1	161.4	141.1	127.8	119.8
67.5°	93.0	100.9	115.7	136.6	160.9	170.6	153.9	132.5	117.2	106.5	100.2
70°	80.6	87.4	99.0	117.0	139.0	146.4	130.9	113.2	102.0	93.4	87.6
72.5°	70.0	75.1	85.6	99.5	117.9	123.8	112.9	97.4	87.0	80.6	75.8
75°	53.4	57.6	64.4	75.6	88.3	91.7	83.6	73.9	66.9	62.3	58.7
77.5°	38.5	41.6	46.5	53.4	62.2	65.3	60.2	53.6	48.5	45.5	43.5
80°	29.0	31.6	35.7	41.4	46.7	48.4	45.4	40.4	36.9	35.1	33.4
82.5°	21.4	22.8	25.4	29.3	32.9	34.9	32.4	29.4	27.4	25.8	25.2
85°	10.8	11.6	12.7	14.3	16.6	17.3	16.3	15.6	14.4	13.5	13.5
87.5°	4.7	5.3	6.3	7.2	8.4	9.5	10.1	10.5	11.1	11.2	11.2
90°	4.0	6.7	9.5	12.1	15.3	18.8	22.4	25.9	29.5	30.6	31.7
92.5°	31.6	33.4	35.3	37.2	39.1	41.2	43.1	45.2	47.2	48.1	48.9
95°	74.4	76.4	78.3	80.2	82.3	84.4	86.6	88.8	91.0	92.0	93.2
97.5°	130.3	131.7	133.1	134.5	136.0	137.6	139.2	140.8	142.4	143.7	144.9
100°	168.8	170.5	172.1	173.7	175.3	176.6	178.0	179.4	180.8	181.6	182.4
102.5°	212.5	213.4	214.4	215.4	216.8	218.6	220.4	222.2	224.0	224.9	225.7
105°	277.2	277.7	278.3	278.8	280.3	282.7	285.2	287.7	290.2	290.2	290.2
107.5°	352.7	353.0	353.4	353.7	354.3	355.3	356.3	357.3	358.2	359.1	360.0
110°	400.1	400.6	401.2	401.8	402.3	402.8	403.4	403.9	404.5	405.6	406.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	449.1	449.4	449.7	450.0	450.3	450.4	450.5	450.6	450.7	452.0	453.3
115°	523.3	524.2	525.0	525.8	525.9	525.4	524.8	524.3	523.7	524.0	524.3
117.5°	597.3	597.9	598.4	598.9	598.8	598.2	597.5	596.7	596.1	596.0	595.9
120°	644.7	646.3	647.9	649.5	649.7	648.3	646.9	645.6	644.2	643.9	643.7
122.5°	692.4	693.6	694.8	696.0	696.3	695.5	694.8	694.1	693.4	692.7	691.9
125°	765.5	766.4	767.2	768.0	768.1	767.6	767.0	766.5	766.0	764.8	763.8
127.5°	834.3	836.1	837.8	839.6	840.2	839.5	838.9	838.4	837.7	836.2	834.7
130°	880.0	882.2	884.4	886.6	887.2	886.4	885.6	884.8	883.9	882.9	881.7
132.5°	925.2	927.4	929.6	931.8	932.6	932.0	931.4	930.7	930.2	928.9	927.6
135°	993.8	995.4	997.0	998.7	999.4	999.1	998.8	998.6	998.3	997.2	996.1
137.5°	1057.4	1058.8	1060.2	1061.5	1062.6	1063.3	1064.0	1064.7	1065.4	1064.3	1063.2
140°	1101.7	1103.1	1104.4	1105.8	1106.6	1106.9	1107.2	1107.4	1107.7	1107.4	1107.2
142.5°	1142.0	1143.4	1144.8	1146.1	1147.0	1147.5	1148.0	1148.5	1149.0	1148.8	1148.5
145°	1204.2	1204.7	1205.3	1205.8	1206.5	1207.3	1208.1	1208.9	1209.7	1209.5	1209.2
147.5°	1259.6	1260.6	1261.7	1262.7	1263.5	1264.3	1265.0	1265.8	1266.6	1266.6	1266.6
150°	1297.6	1298.1	1298.7	1299.3	1299.8	1300.3	1300.9	1301.4	1302.0	1302.0	1302.0
152.5°	1329.3	1330.1	1330.8	1331.5	1332.1	1332.4	1332.8	1333.1	1333.4	1333.9	1334.3
155°	1378.2	1378.2	1378.2	1378.2	1378.3	1378.6	1378.8	1379.2	1379.4	1380.5	1381.6
157.5°	1420.2	1419.8	1419.5	1419.2	1419.1	1419.4	1419.5	1419.8	1420.0	1421.1	1422.3
160°	1446.5	1445.9	1445.4	1444.9	1444.5	1444.5	1444.5	1444.5	1444.5	1445.9	1447.3
162.5°	1469.9	1469.1	1468.4	1467.6	1467.3	1467.5	1467.8	1467.9	1468.2	1469.6	1470.9
165°	1500.3	1499.5	1498.7	1497.9	1497.5	1497.5	1497.5	1497.5	1497.5	1499.1	1500.7
167.5°	1524.4	1523.3	1522.2	1521.1	1520.7	1520.9	1521.1	1521.3	1521.5	1523.2	1524.9
170°	1538.1	1537.1	1535.9	1534.9	1534.3	1534.3	1534.3	1534.3	1534.3	1536.3	1538.1
172.5°	1549.0	1547.8	1546.8	1545.7	1545.2	1545.2	1545.2	1545.2	1545.2	1546.9	1548.5
175°	1560.3	1559.2	1558.1	1557.0	1556.5	1556.5	1556.5	1556.5	1556.5	1558.1	1559.7
177.5°	1565.2	1564.3	1563.4	1562.5	1562.1	1562.1	1562.1	1562.1	1562.1	1563.4	1564.7
180°	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	412.5	412.7	414.3	415.6	415.0	415.7	416.0
5°	450.7	457.5	461.1	463.8	464.0	464.2	465.7
7.5°	504.8	512.2	517.6	525.7	528.1	530.8	530.1
10°	544.4	555.2	564.5	569.4	574.8	582.5	576.3
12.5°	581.3	600.5	614.7	622.3	627.3	628.8	625.8
15°	642.2	667.2	680.7	680.4	697.4	704.8	693.2
17.5°	698.0	721.1	739.7	749.2	763.4	766.5	765.2
20°	732.2	757.5	771.9	788.2	795.7	802.3	803.4
22.5°	761.7	784.4	799.9	813.4	819.6	822.8	824.7
25°	792.1	809.9	819.2	823.9	825.7	825.2	822.8
27.5°	789.9	791.3	781.1	771.0	762.0	751.9	748.4
30°	769.4	753.5	725.0	708.8	685.1	666.3	673.9
32.5°	715.5	683.7	651.8	616.4	587.3	578.9	570.5
35°	610.7	554.8	522.1	484.1	469.0	453.8	443.3
37.5°	494.0	450.9	412.1	387.3	372.0	362.4	357.3
40°	427.1	388.2	356.3	336.1	324.6	313.8	312.3
42.5°	373.8	337.6	313.6	297.6	286.5	281.8	278.5
45°	306.1	281.0	264.8	253.4	246.0	243.1	239.3
47.5°	259.2	241.3	229.2	221.4	215.8	213.7	213.4
50°	232.8	218.0	209.1	203.0	198.7	197.9	194.9
52.5°	213.1	200.2	193.3	188.0	184.8	182.7	181.8
55°	185.0	176.4	170.2	167.1	164.7	162.6	162.6
57.5°	161.8	154.7	150.6	148.0	147.2	145.8	144.8
60°	147.6	141.5	138.3	136.0	134.4	134.7	133.0
62.5°	133.6	129.6	126.5	124.3	122.5	122.5	122.6
65°	113.7	110.7	108.4	107.7	106.6	105.3	105.6
67.5°	96.4	93.6	91.8	90.5	90.1	89.4	90.5
70°	84.0	81.9	80.6	79.4	79.0	79.2	80.1
72.5°	72.6	71.1	70.2	69.7	68.8	68.9	69.5
75°	57.0	55.8	55.1	54.5	54.3	54.3	54.3
77.5°	41.8	41.6	41.3	40.4	40.4	40.7	40.7
80°	33.0	32.4	32.3	31.9	31.3	31.0	31.9
82.5°	24.7	24.1	24.0	23.9	23.0	22.9	23.7
85°	13.3	12.7	12.9	12.7	12.7	12.6	12.6
87.5°	11.3	11.3	11.3	11.6	11.6	11.5	11.9
90°	32.8	33.9	34.7	35.2	35.8	36.4	36.9
92.5°	49.8	50.7	51.0	50.6	50.3	50.0	49.7
95°	94.2	95.3	95.9	95.9	95.9	95.9	95.9
97.5°	146.1	147.4	148.0	147.9	147.7	147.7	147.6
100°	183.2	184.0	184.7	185.2	185.8	186.3	186.9
102.5°	226.5	227.3	227.6	227.6	227.4	227.3	227.2
105°	290.2	290.2	290.4	291.0	291.6	292.0	292.6
107.5°	360.9	361.7	362.0	361.7	361.3	361.0	360.7
110°	407.7	408.9	409.1	408.5	408.1	407.5	406.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	454.6	455.9	456.6	456.5	456.3	456.2	456.1
115°	524.6	524.8	524.8	524.6	524.3	524.0	523.7
117.5°	595.9	595.8	595.4	594.6	593.9	593.1	592.3
120°	643.4	643.1	642.7	642.2	641.6	641.1	640.5
122.5°	691.3	690.6	689.8	689.1	688.3	687.5	686.7
125°	762.6	761.6	760.4	759.4	758.3	757.2	756.1
127.5°	833.2	831.6	830.2	829.0	827.7	826.5	825.2
130°	880.7	879.6	878.1	876.2	874.2	872.4	870.4
132.5°	926.3	925.0	923.6	922.1	920.6	919.1	917.6
135°	995.0	993.9	993.1	992.5	992.0	991.5	990.9
137.5°	1062.0	1060.9	1059.7	1058.7	1057.7	1056.6	1055.6
140°	1106.9	1106.6	1105.5	1103.6	1101.7	1099.8	1097.9
142.5°	1148.2	1147.9	1147.0	1145.6	1144.1	1142.6	1141.2
145°	1208.9	1208.7	1207.9	1206.9	1205.8	1204.7	1203.6
147.5°	1266.6	1266.6	1265.8	1264.1	1262.5	1260.8	1259.1
150°	1302.0	1302.0	1301.1	1299.5	1297.9	1296.2	1294.6
152.5°	1334.7	1335.2	1334.7	1333.3	1331.9	1330.4	1329.0
155°	1382.7	1383.8	1383.4	1381.4	1379.6	1377.6	1375.7
157.5°	1423.4	1424.6	1424.4	1422.9	1421.3	1419.8	1418.3
160°	1448.7	1450.0	1450.2	1449.1	1448.0	1446.9	1445.8
162.5°	1472.3	1473.7	1473.5	1471.7	1470.0	1468.2	1466.5
165°	1502.4	1504.0	1503.9	1501.9	1500.1	1498.1	1496.2
167.5°	1526.6	1528.3	1528.3	1526.6	1524.9	1523.2	1521.5
170°	1540.1	1542.0	1542.0	1540.1	1538.1	1536.3	1534.3
172.5°	1550.2	1551.9	1551.8	1549.9	1548.0	1546.1	1544.2
175°	1561.4	1563.0	1562.8	1561.0	1559.0	1557.1	1555.3
177.5°	1566.0	1567.3	1567.2	1565.7	1564.2	1562.7	1561.1
180°	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0

(END OF REPORT)