

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: P331520-940

Luminaire Tested: **S122DIW-S485D1440U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331520-940  
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-S485D1440U940-4F0-1E-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: 6372.4 lumens  
Efficiency: N/A  
Efficacy: 105.2 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

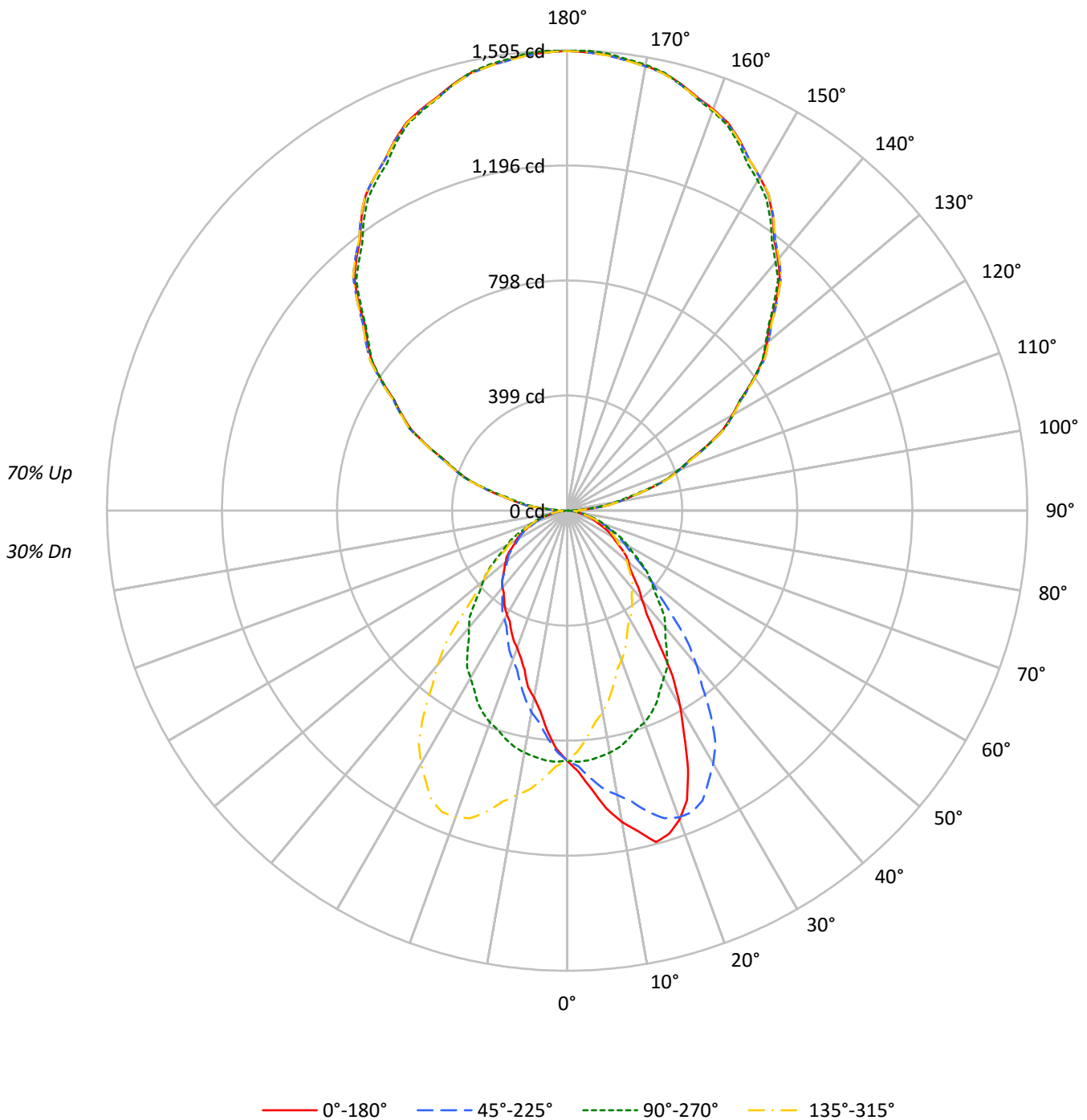
Input Watts (W): 60.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	13990	13990	13990	13990
5°	15686	14083	12478	14083
10°	17974	13967	10799	13967
15°	19883	13710	9541	13710
20°	19581	13435	8698	13435
25°	17655	13069	8165	13069
30°	14590	12486	7774	12486
35°	10634	11874	7496	11874
40°	8494	11152	7341	11152
45°	7421	10319	7133	10319
50°	6978	9510	6993	9510
55°	6432	8690	6804	8690
60°	5893	7818	6516	7818
65°	5368	7033	6235	7033
70°	4877	6274	5816	6274
75°	4323	5421	5153	5421
80°	3710	4491	4147	4491
85°	3335	3335	2464	3335



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.5	1.3
10°-20°	239.9	3.8
20°-30°	348.2	5.5
30°-40°	367.4	5.8
40°-50°	325.3	5.1
50°-60°	259.6	4.1
60°-70°	176.5	2.8
70°-80°	90.5	1.4
80°-90°	28.2	0.4
90°-100°	100.9	1.6
100°-110°	313.5	4.9
110°-120°	535.9	8.4
120°-130°	704.7	11.1
130°-140°	791.0	12.4
140°-150°	775.6	12.2
150°-160°	650.5	10.2
160°-170°	431.5	6.8
170°-180°	150.8	2.4
0°-30°	670.6	10.5
0°-40°	1038.0	16.3
0°-60°	1623.0	25.5
0°-90°	1918.1	30.1
90°-120°	950.3	14.9
90°-150°	3221.6	50.6
90°-180°	4454.0	69.9
0°-180°	6372.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	866	866	866	866	866	
5°	968	869	770	869	968	97
15°	1190	820	571	820	1190	328
25°	991	734	458	734	991	448
35°	540	602	380	602	540	351
45°	325	452	312	452	325	256
55°	228	309	242	309	228	205
65°	140	184	163	184	140	140
75°	69	87	83	87	69	74
85°	18	18	13	18	18	21
90°	46	1	46	1	46	21
95°	83	70	83	70	83	93
105°	298	289	298	289	298	314
115°	538	538	538	538	538	531
125°	785	782	785	782	785	700
135°	1024	1012	1024	1012	1024	789
145°	1242	1229	1242	1229	1242	776
155°	1416	1405	1416	1405	1416	651
165°	1530	1528	1530	1528	1530	431
175°	1585	1590	1585	1590	1585	151
180°	1593	1593	1593	1593	1593	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	906.5	906.8	907.2	903.0	902.5	902.5	898.8	895.5	891.8	886.7	887.3
5°	967.8	971.4	972.8	968.8	962.8	962.1	956.4	947.1	938.4	931.5	926.5
7.5°	1040.9	1042.3	1039.1	1033.8	1029.4	1021.4	1010.8	1000.5	986.1	972.8	963.0
10°	1096.3	1098.3	1092.6	1084.9	1078.6	1069.3	1054.0	1038.3	1019.4	1001.0	986.4
12.5°	1138.4	1143.4	1136.0	1135.1	1124.2	1111.4	1093.1	1085.2	1058.5	1033.0	1017.3
15°	1189.5	1189.2	1189.9	1183.6	1175.5	1173.6	1154.2	1133.3	1095.6	1080.7	1054.6
17.5°	1174.7	1179.8	1182.1	1182.1	1181.9	1180.6	1174.4	1161.2	1142.3	1118.0	1088.1
20°	1139.6	1146.2	1147.3	1154.9	1159.2	1164.9	1167.2	1163.6	1151.9	1131.6	1105.6
22.5°	1085.2	1087.1	1090.2	1102.2	1111.5	1125.7	1133.1	1145.4	1140.9	1131.0	1109.4
25°	991.0	987.7	999.3	1005.4	1027.0	1049.6	1066.0	1084.0	1099.9	1109.6	1103.3
27.5°	878.0	873.0	890.5	906.3	923.9	948.4	973.8	1003.9	1028.9	1060.2	1070.9
30°	782.6	785.6	802.3	819.2	845.9	880.5	909.1	942.1	977.8	1012.7	1037.0
32.5°	679.8	691.3	701.8	727.8	751.3	789.9	831.9	873.1	917.6	957.3	994.9
35°	539.5	552.8	567.5	586.5	619.4	657.7	698.7	754.3	814.9	869.2	913.8
37.5°	454.1	452.0	460.4	474.1	500.8	531.7	578.8	633.8	705.2	768.9	831.9
40°	403.0	401.6	407.6	420.3	440.6	463.2	504.5	552.8	619.1	697.0	772.0
42.5°	367.7	368.5	371.9	380.8	394.8	413.4	444.3	485.4	546.1	619.5	700.0
45°	325.0	327.3	331.0	335.4	343.3	358.6	375.9	405.3	453.3	514.5	593.8
47.5°	294.3	294.4	298.0	301.8	306.6	315.2	329.4	347.8	381.6	431.5	499.6
50°	277.8	275.4	278.0	281.1	286.1	292.0	301.4	318.7	341.3	381.7	438.5
52.5°	257.5	257.5	259.9	261.1	265.6	271.5	280.1	292.0	312.5	344.1	390.9
55°	228.5	230.2	231.5	233.4	237.5	241.7	248.4	256.5	272.4	296.0	330.6
57.5°	201.2	201.7	203.0	206.8	209.4	213.3	219.6	226.9	237.3	254.9	280.9
60°	182.5	182.5	185.1	186.8	190.1	194.1	199.1	206.2	215.4	229.8	250.7
62.5°	165.4	165.1	166.2	169.0	171.5	175.2	180.2	186.2	194.9	207.7	224.9
65°	140.5	139.9	141.9	142.5	145.2	148.8	152.8	159.2	166.2	175.5	190.8
67.5°	116.5	117.3	118.4	119.7	121.2	125.0	127.7	132.2	138.0	145.8	156.2
70°	103.3	103.3	103.3	104.2	106.2	108.3	110.9	114.6	120.2	126.9	136.2
72.5°	88.3	89.3	90.4	89.9	92.4	93.5	96.8	98.8	104.2	108.5	116.7
75°	69.3	69.3	69.3	70.9	72.0	72.9	74.9	77.0	79.6	84.9	89.3
77.5°	51.7	51.5	51.9	52.3	53.3	54.6	55.1	57.0	59.4	61.9	65.5
80°	39.9	40.7	40.9	41.6	41.6	42.3	42.6	44.9	46.6	48.3	50.6
82.5°	30.9	31.0	31.1	31.2	31.5	31.9	32.7	33.5	34.1	35.5	37.3
85°	18.0	17.7	17.7	18.3	18.0	18.0	18.6	19.4	19.4	19.6	20.7
87.5°	16.1	16.1	16.2	15.9	15.9	16.1	16.2	16.1	16.5	16.9	15.8
90°	45.7	45.4	45.1	44.9	44.5	44.7	45.3	45.8	46.5	47.1	40.5
92.5°	43.5	43.5	43.4	43.3	43.3	43.2	43.1	43.0	42.9	42.7	41.2
95°	83.4	83.9	84.5	85.2	85.7	86.1	86.1	86.1	86.1	86.1	85.4
97.5°	144.4	144.5	144.5	144.5	144.6	144.6	144.6	144.6	144.6	144.6	143.5
100°	184.1	184.5	184.8	185.0	185.4	185.5	185.5	185.5	185.5	185.5	184.6
102.5°	229.3	229.6	230.0	230.2	230.5	230.6	230.3	230.1	229.9	229.6	228.5
105°	298.5	298.5	298.5	298.5	298.5	298.1	297.6	296.9	296.3	295.8	295.2
107.5°	363.5	364.9	366.2	367.7	369.0	369.5	369.3	369.1	368.8	368.6	368.6
110°	414.0	414.9	415.8	416.7	417.6	418.1	418.1	418.1	418.1	418.1	418.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	462.4	463.1	463.8	464.4	465.0	465.7	466.5	467.2	467.9	468.6	468.9
115°	537.7	538.6	539.5	540.4	541.3	541.9	542.2	542.5	542.8	543.1	543.7
117.5°	609.5	610.4	611.3	612.2	613.1	613.9	614.7	615.4	616.1	616.8	618.4
120°	660.0	660.9	661.8	662.7	663.6	664.1	664.1	664.1	664.1	664.1	666.5
122.5°	709.5	710.2	710.9	711.5	712.1	712.8	713.5	714.3	715.0	715.7	717.4
125°	785.1	785.4	785.7	786.0	786.3	786.8	787.7	788.6	789.5	790.4	791.4
127.5°	853.9	854.9	855.8	856.8	857.7	858.7	859.8	860.9	861.9	863.1	864.2
130°	903.4	904.6	905.8	907.0	908.1	909.0	909.6	910.3	910.9	911.4	912.0
132.5°	950.7	951.6	952.6	953.6	954.5	955.6	957.0	958.3	959.6	960.9	960.8
135°	1024.4	1025.3	1026.2	1027.1	1028.0	1028.6	1028.9	1029.1	1029.5	1029.7	1029.1
137.5°	1091.0	1092.3	1093.4	1094.7	1095.8	1096.5	1096.8	1097.0	1097.3	1097.5	1096.7
140°	1137.3	1138.4	1139.7	1140.9	1142.1	1142.6	1142.6	1142.6	1142.6	1142.6	1141.2
142.5°	1179.2	1180.4	1181.6	1182.9	1184.0	1184.5	1184.3	1184.0	1183.7	1183.6	1182.5
145°	1242.2	1243.3	1244.6	1245.7	1246.9	1247.3	1247.1	1246.8	1246.4	1246.2	1244.4
147.5°	1298.3	1299.5	1300.6	1301.7	1302.9	1303.1	1302.4	1301.8	1301.2	1300.5	1299.3
150°	1334.9	1335.8	1336.7	1337.6	1338.5	1338.5	1337.6	1336.7	1335.8	1334.9	1333.7
152.5°	1369.3	1370.5	1371.5	1372.7	1373.9	1373.9	1372.7	1371.5	1370.5	1369.3	1367.9
155°	1415.6	1416.5	1417.4	1418.3	1419.2	1418.8	1417.4	1415.9	1414.3	1412.8	1411.9
157.5°	1455.4	1456.8	1458.2	1459.6	1461.1	1460.8	1458.7	1456.7	1454.6	1452.7	1452.2
160°	1480.1	1481.3	1482.5	1483.6	1484.9	1484.5	1482.7	1481.0	1479.2	1477.4	1477.1
162.5°	1501.6	1503.1	1504.5	1505.9	1507.3	1507.0	1505.0	1503.0	1500.9	1498.9	1498.6
165°	1529.8	1531.3	1532.9	1534.3	1535.8	1535.5	1533.4	1531.3	1529.2	1527.1	1527.1
167.5°	1552.9	1554.5	1556.0	1557.6	1559.2	1558.9	1556.8	1554.7	1552.6	1550.5	1550.6
170°	1564.8	1566.6	1568.3	1570.1	1571.9	1571.8	1569.7	1567.6	1565.5	1563.4	1563.7
172.5°	1574.5	1576.3	1578.1	1579.8	1581.6	1581.4	1579.4	1577.3	1575.2	1573.1	1573.4
175°	1584.9	1586.7	1588.5	1590.3	1592.1	1592.0	1589.8	1587.8	1585.7	1583.6	1584.2
177.5°	1589.7	1591.2	1592.7	1594.1	1595.5	1595.5	1594.1	1592.7	1591.2	1589.7	1590.3
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	889.1	887.0	885.6	880.9	876.6	872.4	871.0	871.6	865.7	860.1	857.7
5°	923.8	917.1	910.8	901.8	891.2	879.5	873.5	868.9	857.2	844.5	837.2
7.5°	954.8	945.3	933.1	916.2	900.7	882.3	870.7	860.4	843.3	825.5	814.6
10°	973.7	960.7	945.1	924.4	905.4	883.2	867.5	851.9	831.9	810.6	797.3
12.5°	990.0	972.5	957.1	930.6	908.1	880.2	861.7	839.6	818.6	793.3	780.2
15°	1028.7	996.4	967.1	937.1	909.5	870.5	849.9	820.2	792.6	761.3	746.3
17.5°	1058.5	1022.3	976.2	938.1	905.8	862.6	832.3	796.8	764.1	728.3	708.0
20°	1075.7	1034.0	984.4	939.1	900.4	851.2	818.2	781.9	743.6	703.3	681.4
22.5°	1085.7	1042.1	992.9	935.1	889.8	841.9	800.4	760.6	721.8	678.3	655.2
25°	1089.0	1049.0	997.0	931.7	876.5	822.2	772.2	733.6	686.7	646.0	612.4
27.5°	1073.1	1044.5	994.5	925.5	861.1	797.6	742.0	698.2	648.6	604.6	570.7
30°	1053.6	1037.0	988.4	919.1	848.8	780.6	719.3	669.7	620.5	575.8	541.2
32.5°	1023.6	1019.9	977.2	910.1	835.8	759.0	695.6	645.4	590.8	547.0	514.0
35°	964.4	980.4	953.4	889.8	811.2	728.3	659.7	602.4	545.8	503.8	472.9
37.5°	885.2	924.9	917.8	860.1	778.0	694.9	619.1	559.3	505.3	463.0	432.6
40°	830.5	881.2	888.5	837.5	754.7	669.1	588.8	529.1	476.5	437.9	407.2
42.5°	772.0	831.1	851.2	810.4	729.1	641.9	561.6	499.9	447.8	410.2	383.1
45°	673.7	752.0	788.3	764.9	686.3	597.1	514.5	451.9	404.7	369.3	348.3
47.5°	581.8	667.4	716.2	707.9	638.8	550.5	468.9	408.8	362.7	334.6	315.8
50°	516.8	604.8	663.7	666.4	604.8	517.2	435.2	378.6	336.4	310.0	294.7
52.5°	460.4	544.3	608.6	622.7	566.7	482.5	405.1	348.8	311.6	287.4	273.7
55°	386.6	457.5	528.9	554.8	509.9	429.9	358.3	308.7	273.8	257.1	245.1
57.5°	321.5	380.6	446.4	475.1	447.4	379.0	311.8	268.8	240.4	225.8	216.6
60°	287.0	333.7	392.3	426.6	402.6	341.7	283.0	242.1	218.8	205.8	197.2
62.5°	255.1	296.4	345.9	377.3	364.3	306.7	254.3	218.1	198.0	185.8	179.6
65°	210.4	243.1	281.4	310.4	301.8	258.1	215.2	184.1	168.2	158.5	153.6
67.5°	173.3	196.9	223.5	248.8	241.8	210.9	176.5	152.3	140.4	132.1	129.1
70°	149.9	167.8	191.5	211.8	206.2	180.8	153.6	132.9	122.5	115.6	112.5
72.5°	127.5	142.2	160.3	176.9	173.1	152.0	129.3	113.7	105.8	99.3	96.8
75°	96.2	107.5	118.6	129.6	128.6	112.3	98.9	86.9	80.6	75.6	74.6
77.5°	71.1	77.4	84.9	91.4	89.6	80.3	69.8	63.0	58.3	54.9	54.4
80°	54.3	58.0	63.3	67.9	65.6	61.6	53.3	48.3	44.9	41.6	40.3
82.5°	39.3	43.1	46.2	48.8	47.0	43.2	38.1	34.7	32.7	30.4	29.9
85°	20.7	22.6	24.0	24.6	24.0	21.7	19.4	18.0	16.3	15.3	15.0
87.5°	14.8	13.5	12.1	11.7	10.2	9.5	7.7	6.2	6.6	7.0	7.2
90°	33.9	27.4	20.8	15.7	12.1	8.5	4.9	1.3	4.9	8.5	12.1
92.5°	39.7	38.1	36.6	34.4	31.8	29.2	26.6	23.9	26.6	29.2	31.8
95°	84.8	84.3	83.6	81.9	78.8	75.9	72.9	69.9	72.9	75.9	78.8
97.5°	142.4	141.2	140.1	138.2	135.6	133.0	130.4	127.7	130.4	133.0	135.6
100°	183.7	182.8	181.9	180.3	177.9	175.5	173.1	170.8	173.1	175.5	177.9
102.5°	227.3	226.2	225.1	223.6	221.6	219.7	217.8	215.9	217.8	219.7	221.6
105°	294.5	294.0	293.4	292.6	291.7	290.8	289.9	289.0	289.9	290.8	291.7
107.5°	368.6	368.6	368.6	367.9	366.7	365.3	364.0	362.7	364.0	365.3	366.7
110°	418.1	418.1	418.1	417.1	415.4	413.6	411.8	410.0	411.8	413.6	415.4





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	469.1	469.3	469.6	468.8	467.0	465.2	463.4	461.6	463.4	465.2	467.0
115°	544.3	544.9	545.5	544.9	543.1	541.3	539.5	537.7	539.5	541.3	543.1
117.5°	620.1	621.8	623.5	623.1	620.7	618.3	615.9	613.6	615.9	618.3	620.7
120°	668.9	671.3	673.7	673.7	671.3	668.9	666.5	664.1	666.5	668.9	671.3
122.5°	719.1	720.8	722.4	721.8	718.9	716.0	713.2	710.3	713.2	716.0	718.9
125°	792.3	793.2	794.1	793.2	790.4	787.7	785.1	782.4	785.1	787.7	790.4
127.5°	865.2	866.3	867.4	866.2	862.8	859.3	856.0	852.6	856.0	859.3	862.8
130°	912.7	913.2	913.8	912.2	908.3	904.5	900.5	896.6	900.5	904.5	908.3
132.5°	960.6	960.6	960.5	958.8	955.6	952.4	949.3	946.1	949.3	952.4	955.6
135°	1028.6	1028.0	1027.3	1025.4	1022.1	1018.9	1015.6	1012.3	1015.6	1018.9	1022.1
137.5°	1095.9	1095.2	1094.4	1092.6	1089.9	1087.3	1084.6	1081.9	1084.6	1087.3	1089.9
140°	1139.7	1138.2	1136.7	1134.6	1131.9	1129.3	1126.5	1123.8	1126.5	1129.3	1131.9
142.5°	1181.5	1180.4	1179.5	1177.6	1174.9	1172.2	1169.6	1166.9	1169.6	1172.2	1174.9
145°	1242.6	1240.8	1239.0	1237.1	1234.9	1232.9	1230.8	1228.7	1230.8	1232.9	1234.9
147.5°	1298.1	1296.9	1295.7	1293.9	1291.4	1288.8	1286.3	1283.8	1286.3	1288.8	1291.4
150°	1332.5	1331.3	1330.1	1328.6	1326.9	1325.1	1323.2	1321.4	1323.2	1325.1	1326.9
152.5°	1366.5	1365.0	1363.6	1362.0	1360.1	1358.3	1356.6	1354.8	1356.6	1358.3	1360.1
155°	1411.0	1410.2	1409.3	1408.4	1407.5	1406.6	1405.7	1404.8	1405.7	1406.6	1407.5
157.5°	1451.6	1451.1	1450.5	1449.9	1449.4	1448.8	1448.1	1447.5	1448.1	1448.8	1449.4
160°	1476.8	1476.5	1476.2	1475.8	1475.2	1474.5	1474.0	1473.4	1474.0	1474.5	1475.2
162.5°	1498.3	1498.0	1497.7	1497.5	1497.4	1497.3	1497.2	1497.0	1497.2	1497.3	1497.4
165°	1527.1	1527.1	1527.1	1527.3	1527.6	1527.9	1528.2	1528.5	1528.2	1527.9	1527.6
167.5°	1550.7	1550.7	1550.8	1551.2	1552.1	1553.0	1553.9	1554.8	1553.9	1553.0	1552.1
170°	1564.1	1564.3	1564.6	1565.2	1566.1	1567.0	1567.9	1568.8	1567.9	1567.0	1566.1
172.5°	1573.7	1574.0	1574.3	1574.9	1575.8	1576.7	1577.6	1578.5	1577.6	1576.7	1575.8
175°	1584.7	1585.4	1586.0	1586.7	1587.6	1588.5	1589.4	1590.3	1589.4	1588.5	1587.6
177.5°	1590.7	1591.2	1591.7	1592.3	1593.0	1593.8	1594.5	1595.2	1594.5	1593.8	1593.0
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	855.1	853.5	847.8	844.9	840.2	835.6	832.7	834.0	835.1	834.6	833.7
5°	830.5	824.2	814.6	806.2	800.2	789.3	784.6	782.3	780.2	777.9	775.6
7.5°	801.4	791.4	777.6	765.7	754.5	740.8	733.1	728.3	723.5	718.3	713.6
10°	780.6	766.6	752.0	735.3	722.0	709.6	698.7	691.3	684.7	678.3	673.7
12.5°	758.8	742.6	724.5	701.8	687.1	669.4	667.8	654.9	644.4	640.5	635.1
15°	724.0	701.3	678.3	651.4	639.7	623.8	613.8	603.8	594.8	588.4	586.7
17.5°	684.5	655.1	632.3	613.0	593.9	577.5	568.3	560.3	552.9	544.4	543.3
20°	654.3	629.1	604.1	587.1	567.5	550.8	539.5	531.5	525.1	520.1	515.9
22.5°	625.9	598.2	575.3	556.7	537.3	523.9	515.0	507.3	502.0	496.5	492.4
25°	580.1	558.5	533.5	512.6	496.5	487.9	480.5	473.9	470.6	466.9	462.3
27.5°	540.1	516.0	492.7	476.4	462.4	454.7	449.5	445.0	441.8	439.7	437.0
30°	511.8	487.5	469.2	453.3	441.6	433.9	430.6	427.9	424.3	422.9	421.6
32.5°	484.6	462.8	447.1	433.3	422.1	417.1	414.1	411.7	408.8	407.5	404.8
35°	446.2	427.9	412.6	404.9	395.9	391.6	389.3	385.9	383.3	382.0	381.7
37.5°	410.1	394.1	384.1	374.3	370.4	367.7	364.6	362.3	361.5	361.3	361.0
40°	386.6	373.6	364.6	356.7	355.0	351.0	348.3	346.3	346.3	346.7	346.3
42.5°	365.3	353.7	345.7	338.9	336.9	334.5	331.8	331.7	332.3	333.3	332.3
45°	333.1	324.7	319.1	315.7	312.0	309.7	309.3	310.4	310.7	311.0	312.0
47.5°	303.3	297.7	292.7	289.0	287.4	287.0	286.6	288.3	289.9	290.5	292.0
50°	285.7	279.4	275.1	272.8	271.4	270.7	271.4	273.4	274.7	276.4	277.4
52.5°	266.0	261.5	258.6	256.7	256.2	256.6	256.7	259.0	261.2	261.7	262.3
55°	238.8	235.4	234.8	231.8	233.1	232.7	234.4	235.8	237.7	239.8	240.1
57.5°	211.6	208.9	207.1	207.4	207.8	209.3	210.6	213.0	215.2	217.2	217.5
60°	193.5	192.2	191.2	191.2	191.8	193.9	195.5	197.8	199.1	200.5	201.4
62.5°	177.0	175.7	174.6	175.1	176.9	178.1	180.0	181.3	182.6	184.0	184.4
65°	150.9	150.2	151.2	151.9	152.2	153.8	156.2	157.2	158.5	159.2	161.5
67.5°	126.8	127.0	126.8	127.8	129.7	130.1	132.2	134.6	134.9	136.2	137.7
70°	110.6	111.2	111.9	112.5	114.2	114.9	116.5	117.5	118.9	119.8	120.9
72.5°	95.7	95.8	96.5	96.3	97.7	99.2	100.6	101.6	102.9	104.2	105.1
75°	73.6	73.6	74.3	74.6	76.2	77.9	77.6	78.3	79.6	81.0	81.6
77.5°	53.8	53.1	53.8	54.0	54.6	56.0	56.3	57.2	58.8	58.3	59.0
80°	40.9	39.9	40.9	41.3	41.3	43.0	43.0	43.6	44.6	43.6	44.6
82.5°	29.2	28.8	29.5	29.6	30.1	30.1	30.7	30.9	31.8	31.4	31.8
85°	14.6	14.4	14.6	14.4	14.6	15.0	15.0	14.6	14.6	15.3	14.4
87.5°	7.7	8.4	9.5	10.8	11.9	12.8	12.5	12.4	12.2	11.6	11.6
90°	15.7	20.8	27.4	33.9	40.5	47.1	46.5	45.8	45.3	44.7	44.5
92.5°	34.4	36.6	38.1	39.7	41.2	42.7	42.9	43.0	43.1	43.2	43.3
95°	81.9	83.6	84.3	84.8	85.4	86.1	86.1	86.1	86.1	86.1	85.7
97.5°	138.2	140.1	141.2	142.4	143.5	144.6	144.6	144.6	144.6	144.6	144.6
100°	180.3	181.9	182.8	183.7	184.6	185.5	185.5	185.5	185.5	185.5	185.4
102.5°	223.6	225.1	226.2	227.3	228.5	229.6	229.9	230.1	230.3	230.6	230.5
105°	292.6	293.4	294.0	294.5	295.2	295.8	296.3	296.9	297.6	298.1	298.5
107.5°	367.9	368.6	368.6	368.6	368.6	368.6	368.8	369.1	369.3	369.5	369.0
110°	417.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1	417.6



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	468.8	469.6	469.3	469.1	468.9	468.6	467.9	467.2	466.5	465.7	465.0
115°	544.9	545.5	544.9	544.3	543.7	543.1	542.8	542.5	542.2	541.9	541.3
117.5°	623.1	623.5	621.8	620.1	618.4	616.8	616.1	615.4	614.7	613.9	613.1
120°	673.7	673.7	671.3	668.9	666.5	664.1	664.1	664.1	664.1	664.1	663.6
122.5°	721.8	722.4	720.8	719.1	717.4	715.7	715.0	714.3	713.5	712.8	712.1
125°	793.2	794.1	793.2	792.3	791.4	790.4	789.5	788.6	787.7	786.8	786.3
127.5°	866.2	867.4	866.3	865.2	864.2	863.1	861.9	860.9	859.8	858.7	857.7
130°	912.2	913.8	913.2	912.7	912.0	911.4	910.9	910.3	909.6	909.0	908.1
132.5°	958.8	960.5	960.6	960.6	960.8	960.9	959.6	958.3	957.0	955.6	954.5
135°	1025.4	1027.3	1028.0	1028.6	1029.1	1029.7	1029.5	1029.1	1028.9	1028.6	1028.0
137.5°	1092.6	1094.4	1095.2	1095.9	1096.7	1097.5	1097.3	1097.0	1096.8	1096.5	1095.8
140°	1134.6	1136.7	1138.2	1139.7	1141.2	1142.6	1142.6	1142.6	1142.6	1142.6	1142.1
142.5°	1177.6	1179.5	1180.4	1181.5	1182.5	1183.6	1183.7	1184.0	1184.3	1184.5	1184.0
145°	1237.1	1239.0	1240.8	1242.6	1244.4	1246.2	1246.4	1246.8	1247.1	1247.3	1246.9
147.5°	1293.9	1295.7	1296.9	1298.1	1299.3	1300.5	1301.2	1301.8	1302.4	1303.1	1302.9
150°	1328.6	1330.1	1331.3	1332.5	1333.7	1334.9	1335.8	1336.7	1337.6	1338.5	1338.5
152.5°	1362.0	1363.6	1365.0	1366.5	1367.9	1369.3	1370.5	1371.5	1372.7	1373.9	1373.9
155°	1408.4	1409.3	1410.2	1411.0	1411.9	1412.8	1414.3	1415.9	1417.4	1418.8	1419.2
157.5°	1449.9	1450.5	1451.1	1451.6	1452.2	1452.7	1454.6	1456.7	1458.7	1460.8	1461.1
160°	1475.8	1476.2	1476.5	1476.8	1477.1	1477.4	1479.2	1481.0	1482.7	1484.5	1484.9
162.5°	1497.5	1497.7	1498.0	1498.3	1498.6	1498.9	1500.9	1503.0	1505.0	1507.0	1507.3
165°	1527.3	1527.1	1527.1	1527.1	1527.1	1527.1	1529.2	1531.3	1533.4	1535.5	1535.8
167.5°	1551.2	1550.8	1550.7	1550.7	1550.6	1550.5	1552.6	1554.7	1556.8	1558.9	1559.2
170°	1565.2	1564.6	1564.3	1564.1	1563.7	1563.4	1565.5	1567.6	1569.7	1571.8	1571.9
172.5°	1574.9	1574.3	1574.0	1573.7	1573.4	1573.1	1575.2	1577.3	1579.4	1581.4	1581.6
175°	1586.7	1586.0	1585.4	1584.7	1584.2	1583.6	1585.7	1587.8	1589.8	1592.0	1592.1
177.5°	1592.3	1591.7	1591.2	1590.7	1590.3	1589.7	1591.2	1592.7	1594.1	1595.5	1595.5
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	831.1	830.5	830.5	828.1	830.5	830.5	831.1	833.7	834.6	835.1	834.0
5°	771.0	769.9	768.3	769.9	768.3	769.9	771.0	775.6	777.9	780.2	782.3
7.5°	711.5	707.5	706.9	702.9	706.9	707.5	711.5	713.6	718.3	723.5	728.3
10°	668.1	665.4	665.0	658.7	665.0	665.4	668.1	673.7	678.3	684.7	691.3
12.5°	635.0	628.6	629.9	626.2	629.9	628.6	635.0	635.1	640.5	644.4	654.9
15°	577.7	577.7	576.5	570.8	576.5	577.7	577.7	586.7	588.4	594.8	603.8
17.5°	536.7	536.0	532.8	534.4	532.8	536.0	536.7	543.3	544.4	552.9	560.3
20°	512.2	510.1	506.2	506.2	506.2	510.1	512.2	515.9	520.1	525.1	531.5
22.5°	489.0	488.8	484.6	486.0	484.6	488.8	489.0	492.4	496.5	502.0	507.3
25°	461.9	459.2	457.3	458.3	457.3	459.2	461.9	462.3	466.9	470.6	473.9
27.5°	436.2	434.7	434.6	431.9	434.6	434.7	436.2	437.0	439.7	441.8	445.0
30°	421.2	417.9	418.6	417.0	418.6	417.9	421.2	421.6	422.9	424.3	427.9
32.5°	404.2	403.1	402.3	400.9	402.3	403.1	404.2	404.8	407.5	408.8	411.7
35°	380.9	381.3	379.6	380.3	379.6	381.3	380.9	381.7	382.0	383.3	385.9
37.5°	360.7	361.8	361.0	361.1	361.0	361.8	360.7	361.0	361.3	361.5	362.3
40°	347.3	347.3	347.3	348.3	347.3	347.3	347.3	346.3	346.7	346.3	346.3
42.5°	334.6	334.0	333.5	333.4	333.5	334.0	334.6	332.3	333.3	332.3	331.7
45°	312.7	313.7	314.1	312.4	314.1	313.7	312.7	312.0	311.0	310.7	310.4
47.5°	292.9	293.0	292.9	294.4	292.9	293.0	292.9	292.0	290.5	289.9	288.3
50°	279.1	278.4	279.1	278.4	279.1	278.4	279.1	277.4	276.4	274.7	273.4
52.5°	264.4	264.6	264.1	264.0	264.1	264.6	264.4	262.3	261.7	261.2	259.0
55°	241.5	242.1	241.7	241.7	241.7	242.1	241.5	240.1	239.8	237.7	235.8
57.5°	217.7	218.3	218.7	217.2	218.7	218.3	217.7	217.5	217.2	215.2	213.0
60°	201.2	202.8	202.5	201.8	202.5	202.8	201.2	201.4	200.5	199.1	197.8
62.5°	185.9	186.5	186.5	186.4	186.5	186.5	185.9	184.4	184.0	182.6	181.3
65°	162.5	163.2	162.2	163.2	162.2	163.2	162.5	161.5	159.2	158.5	157.2
67.5°	137.2	137.5	138.2	138.7	138.2	137.5	137.2	137.7	136.2	134.9	134.6
70°	121.5	121.2	122.3	123.2	122.3	121.2	121.5	120.9	119.8	118.9	117.5
72.5°	105.0	105.8	105.4	106.2	105.4	105.8	105.0	105.1	104.2	102.9	101.6
75°	81.0	81.9	81.6	82.6	81.6	81.9	81.0	81.6	81.0	79.6	78.3
77.5°	58.5	58.6	58.5	59.0	58.5	58.6	58.5	59.0	58.3	58.8	57.2
80°	44.6	44.0	43.2	44.6	43.2	44.0	44.6	44.6	43.6	44.6	43.6
82.5°	31.0	31.5	30.8	30.8	30.8	31.5	31.0	31.8	31.4	31.8	30.9
85°	14.4	14.0	13.3	13.3	13.3	14.0	14.4	14.4	15.3	14.6	14.6
87.5°	11.6	11.4	11.5	11.2	11.5	11.4	11.6	11.6	11.6	12.2	12.4
90°	44.9	45.1	45.4	45.7	45.4	45.1	44.9	44.5	44.7	45.3	45.8
92.5°	43.3	43.4	43.5	43.5	43.5	43.4	43.3	43.3	43.2	43.1	43.0
95°	85.2	84.5	83.9	83.4	83.9	84.5	85.2	85.7	86.1	86.1	86.1
97.5°	144.5	144.5	144.5	144.4	144.5	144.5	144.5	144.6	144.6	144.6	144.6
100°	185.0	184.8	184.5	184.1	184.5	184.8	185.0	185.4	185.5	185.5	185.5
102.5°	230.2	230.0	229.6	229.3	229.6	230.0	230.2	230.5	230.6	230.3	230.1
105°	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.1	297.6	296.9
107.5°	367.7	366.2	364.9	363.5	364.9	366.2	367.7	369.0	369.5	369.3	369.1
110°	416.7	415.8	414.9	414.0	414.9	415.8	416.7	417.6	418.1	418.1	418.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	464.4	463.8	463.1	462.4	463.1	463.8	464.4	465.0	465.7	466.5	467.2
115°	540.4	539.5	538.6	537.7	538.6	539.5	540.4	541.3	541.9	542.2	542.5
117.5°	612.2	611.3	610.4	609.5	610.4	611.3	612.2	613.1	613.9	614.7	615.4
120°	662.7	661.8	660.9	660.0	660.9	661.8	662.7	663.6	664.1	664.1	664.1
122.5°	711.5	710.9	710.2	709.5	710.2	710.9	711.5	712.1	712.8	713.5	714.3
125°	786.0	785.7	785.4	785.1	785.4	785.7	786.0	786.3	786.8	787.7	788.6
127.5°	856.8	855.8	854.9	853.9	854.9	855.8	856.8	857.7	858.7	859.8	860.9
130°	907.0	905.8	904.6	903.4	904.6	905.8	907.0	908.1	909.0	909.6	910.3
132.5°	953.6	952.6	951.6	950.7	951.6	952.6	953.6	954.5	955.6	957.0	958.3
135°	1027.1	1026.2	1025.3	1024.4	1025.3	1026.2	1027.1	1028.0	1028.6	1028.9	1029.1
137.5°	1094.7	1093.4	1092.3	1091.0	1092.3	1093.4	1094.7	1095.8	1096.5	1096.8	1097.0
140°	1140.9	1139.7	1138.4	1137.3	1138.4	1139.7	1140.9	1142.1	1142.6	1142.6	1142.6
142.5°	1182.9	1181.6	1180.4	1179.2	1180.4	1181.6	1182.9	1184.0	1184.5	1184.3	1184.0
145°	1245.7	1244.6	1243.3	1242.2	1243.3	1244.6	1245.7	1246.9	1247.3	1247.1	1246.8
147.5°	1301.7	1300.6	1299.5	1298.3	1299.5	1300.6	1301.7	1302.9	1303.1	1302.4	1301.8
150°	1337.6	1336.7	1335.8	1334.9	1335.8	1336.7	1337.6	1338.5	1338.5	1337.6	1336.7
152.5°	1372.7	1371.5	1370.5	1369.3	1370.5	1371.5	1372.7	1373.9	1373.9	1372.7	1371.5
155°	1418.3	1417.4	1416.5	1415.6	1416.5	1417.4	1418.3	1419.2	1418.8	1417.4	1415.9
157.5°	1459.6	1458.2	1456.8	1455.4	1456.8	1458.2	1459.6	1461.1	1460.8	1458.7	1456.7
160°	1483.6	1482.5	1481.3	1480.1	1481.3	1482.5	1483.6	1484.9	1484.5	1482.7	1481.0
162.5°	1505.9	1504.5	1503.1	1501.6	1503.1	1504.5	1505.9	1507.3	1507.0	1505.0	1503.0
165°	1534.3	1532.9	1531.3	1529.8	1531.3	1532.9	1534.3	1535.8	1535.5	1533.4	1531.3
167.5°	1557.6	1556.0	1554.5	1552.9	1554.5	1556.0	1557.6	1559.2	1558.9	1556.8	1554.7
170°	1570.1	1568.3	1566.6	1564.8	1566.6	1568.3	1570.1	1571.9	1571.8	1569.7	1567.6
172.5°	1579.8	1578.1	1576.3	1574.5	1576.3	1578.1	1579.8	1581.6	1581.4	1579.4	1577.3
175°	1590.3	1588.5	1586.7	1584.9	1586.7	1588.5	1590.3	1592.1	1592.0	1589.8	1587.8
177.5°	1594.1	1592.7	1591.2	1589.7	1591.2	1592.7	1594.1	1595.5	1595.5	1594.1	1592.7
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	832.7	835.6	840.2	844.9	847.8	853.5	855.1	857.7	860.1	865.7	871.6
5°	784.6	789.3	800.2	806.2	814.6	824.2	830.5	837.2	844.5	857.2	868.9
7.5°	733.1	740.8	754.5	765.7	777.6	791.4	801.4	814.6	825.5	843.3	860.4
10°	698.7	709.6	722.0	735.3	752.0	766.6	780.6	797.3	810.6	831.9	851.9
12.5°	667.8	669.4	687.1	701.8	724.5	742.6	758.8	780.2	793.3	818.6	839.6
15°	613.8	623.8	639.7	651.4	678.3	701.3	724.0	746.3	761.3	792.6	820.2
17.5°	568.3	577.5	593.9	613.0	632.3	655.1	684.5	708.0	728.3	764.1	796.8
20°	539.5	550.8	567.5	587.1	604.1	629.1	654.3	681.4	703.3	743.6	781.9
22.5°	515.0	523.9	537.3	556.7	575.3	598.2	625.9	655.2	678.3	721.8	760.6
25°	480.5	487.9	496.5	512.6	533.5	558.5	580.1	612.4	646.0	686.7	733.6
27.5°	449.5	454.7	462.4	476.4	492.7	516.0	540.1	570.7	604.6	648.6	698.2
30°	430.6	433.9	441.6	453.3	469.2	487.5	511.8	541.2	575.8	620.5	669.7
32.5°	414.1	417.1	422.1	433.3	447.1	462.8	484.6	514.0	547.0	590.8	645.4
35°	389.3	391.6	395.9	404.9	412.6	427.9	446.2	472.9	503.8	545.8	602.4
37.5°	364.6	367.7	370.4	374.3	384.1	394.1	410.1	432.6	463.0	505.3	559.3
40°	348.3	351.0	355.0	356.7	364.6	373.6	386.6	407.2	437.9	476.5	529.1
42.5°	331.8	334.5	336.9	338.9	345.7	353.7	365.3	383.1	410.2	447.8	499.9
45°	309.3	309.7	312.0	315.7	319.1	324.7	333.1	348.3	369.3	404.7	451.9
47.5°	286.6	287.0	287.4	289.0	292.7	297.7	303.3	315.8	334.6	362.7	408.8
50°	271.4	270.7	271.4	272.8	275.1	279.4	285.7	294.7	310.0	336.4	378.6
52.5°	256.7	256.6	256.2	256.7	258.6	261.5	266.0	273.7	287.4	311.6	348.8
55°	234.4	232.7	233.1	231.8	234.8	235.4	238.8	245.1	257.1	273.8	308.7
57.5°	210.6	209.3	207.8	207.4	207.1	208.9	211.6	216.6	225.8	240.4	268.8
60°	195.5	193.9	191.8	191.2	191.2	192.2	193.5	197.2	205.8	218.8	242.1
62.5°	180.0	178.1	176.9	175.1	174.6	175.7	177.0	179.6	185.8	198.0	218.1
65°	156.2	153.8	152.2	151.9	151.2	150.2	150.9	153.6	158.5	168.2	184.1
67.5°	132.2	130.1	129.7	127.8	126.8	127.0	126.8	129.1	132.1	140.4	152.3
70°	116.5	114.9	114.2	112.5	111.9	111.2	110.6	112.5	115.6	122.5	132.9
72.5°	100.6	99.2	97.7	96.3	96.5	95.8	95.7	96.8	99.3	105.8	113.7
75°	77.6	77.9	76.2	74.6	74.3	73.6	73.6	74.6	75.6	80.6	86.9
77.5°	56.3	56.0	54.6	54.0	53.8	53.1	53.8	54.4	54.9	58.3	63.0
80°	43.0	43.0	41.3	41.3	40.9	39.9	40.9	40.3	41.6	44.9	48.3
82.5°	30.7	30.1	30.1	29.6	29.5	28.8	29.2	29.9	30.4	32.7	34.7
85°	15.0	15.0	14.6	14.4	14.6	14.4	14.6	15.0	15.3	16.3	18.0
87.5°	12.5	12.8	11.9	10.8	9.5	8.4	7.7	7.2	7.0	6.6	6.2
90°	46.5	47.1	40.5	33.9	27.4	20.8	15.7	12.1	8.5	4.9	1.3
92.5°	42.9	42.7	41.2	39.7	38.1	36.6	34.4	31.8	29.2	26.6	23.9
95°	86.1	86.1	85.4	84.8	84.3	83.6	81.9	78.8	75.9	72.9	69.9
97.5°	144.6	144.6	143.5	142.4	141.2	140.1	138.2	135.6	133.0	130.4	127.7
100°	185.5	185.5	184.6	183.7	182.8	181.9	180.3	177.9	175.5	173.1	170.8
102.5°	229.9	229.6	228.5	227.3	226.2	225.1	223.6	221.6	219.7	217.8	215.9
105°	296.3	295.8	295.2	294.5	294.0	293.4	292.6	291.7	290.8	289.9	289.0
107.5°	368.8	368.6	368.6	368.6	368.6	368.6	367.9	366.7	365.3	364.0	362.7
110°	418.1	418.1	418.1	418.1	418.1	418.1	417.1	415.4	413.6	411.8	410.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	467.9	468.6	468.9	469.1	469.3	469.6	468.8	467.0	465.2	463.4	461.6
115°	542.8	543.1	543.7	544.3	544.9	545.5	544.9	543.1	541.3	539.5	537.7
117.5°	616.1	616.8	618.4	620.1	621.8	623.5	623.1	620.7	618.3	615.9	613.6
120°	664.1	664.1	666.5	668.9	671.3	673.7	673.7	671.3	668.9	666.5	664.1
122.5°	715.0	715.7	717.4	719.1	720.8	722.4	721.8	718.9	716.0	713.2	710.3
125°	789.5	790.4	791.4	792.3	793.2	794.1	793.2	790.4	787.7	785.1	782.4
127.5°	861.9	863.1	864.2	865.2	866.3	867.4	866.2	862.8	859.3	856.0	852.6
130°	910.9	911.4	912.0	912.7	913.2	913.8	912.2	908.3	904.5	900.5	896.6
132.5°	959.6	960.9	960.8	960.6	960.6	960.5	958.8	955.6	952.4	949.3	946.1
135°	1029.5	1029.7	1029.1	1028.6	1028.0	1027.3	1025.4	1022.1	1018.9	1015.6	1012.3
137.5°	1097.3	1097.5	1096.7	1095.9	1095.2	1094.4	1092.6	1089.9	1087.3	1084.6	1081.9
140°	1142.6	1142.6	1141.2	1139.7	1138.2	1136.7	1134.6	1131.9	1129.3	1126.5	1123.8
142.5°	1183.7	1183.6	1182.5	1181.5	1180.4	1179.5	1177.6	1174.9	1172.2	1169.6	1166.9
145°	1246.4	1246.2	1244.4	1242.6	1240.8	1239.0	1237.1	1234.9	1232.9	1230.8	1228.7
147.5°	1301.2	1300.5	1299.3	1298.1	1296.9	1295.7	1293.9	1291.4	1288.8	1286.3	1283.8
150°	1335.8	1334.9	1333.7	1332.5	1331.3	1330.1	1328.6	1326.9	1325.1	1323.2	1321.4
152.5°	1370.5	1369.3	1367.9	1366.5	1365.0	1363.6	1362.0	1360.1	1358.3	1356.6	1354.8
155°	1414.3	1412.8	1411.9	1411.0	1410.2	1409.3	1408.4	1407.5	1406.6	1405.7	1404.8
157.5°	1454.6	1452.7	1452.2	1451.6	1451.1	1450.5	1449.9	1449.4	1448.8	1448.1	1447.5
160°	1479.2	1477.4	1477.1	1476.8	1476.5	1476.2	1475.8	1475.2	1474.5	1474.0	1473.4
162.5°	1500.9	1498.9	1498.6	1498.3	1498.0	1497.7	1497.5	1497.4	1497.3	1497.2	1497.0
165°	1529.2	1527.1	1527.1	1527.1	1527.1	1527.1	1527.3	1527.6	1527.9	1528.2	1528.5
167.5°	1552.6	1550.5	1550.6	1550.7	1550.7	1550.8	1551.2	1552.1	1553.0	1553.9	1554.8
170°	1565.5	1563.4	1563.7	1564.1	1564.3	1564.6	1565.2	1566.1	1567.0	1567.9	1568.8
172.5°	1575.2	1573.1	1573.4	1573.7	1574.0	1574.3	1574.9	1575.8	1576.7	1577.6	1578.5
175°	1585.7	1583.6	1584.2	1584.7	1585.4	1586.0	1586.7	1587.6	1588.5	1589.4	1590.3
177.5°	1591.2	1589.7	1590.3	1590.7	1591.2	1591.7	1592.3	1593.0	1593.8	1594.5	1595.2
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	871.0	872.4	876.6	880.9	885.6	887.0	889.1	887.3	886.7	891.8	895.5
5°	873.5	879.5	891.2	901.8	910.8	917.1	923.8	926.5	931.5	938.4	947.1
7.5°	870.7	882.3	900.7	916.2	933.1	945.3	954.8	963.0	972.8	986.1	1000.5
10°	867.5	883.2	905.4	924.4	945.1	960.7	973.7	986.4	1001.0	1019.4	1038.3
12.5°	861.7	880.2	908.1	930.6	957.1	972.5	990.0	1017.3	1033.0	1058.5	1085.2
15°	849.9	870.5	909.5	937.1	967.1	996.4	1028.7	1054.6	1080.7	1095.6	1133.3
17.5°	832.3	862.6	905.8	938.1	976.2	1022.3	1058.5	1088.1	1118.0	1142.3	1161.2
20°	818.2	851.2	900.4	939.1	984.4	1034.0	1075.7	1105.6	1131.6	1151.9	1163.6
22.5°	800.4	841.9	889.8	935.1	992.9	1042.1	1085.7	1109.4	1131.0	1140.9	1145.4
25°	772.2	822.2	876.5	931.7	997.0	1049.0	1089.0	1103.3	1109.6	1099.9	1084.0
27.5°	742.0	797.6	861.1	925.5	994.5	1044.5	1073.1	1070.9	1060.2	1028.9	1003.9
30°	719.3	780.6	848.8	919.1	988.4	1037.0	1053.6	1037.0	1012.7	977.8	942.1
32.5°	695.6	759.0	835.8	910.1	977.2	1019.9	1023.6	994.9	957.3	917.6	873.1
35°	659.7	728.3	811.2	889.8	953.4	980.4	964.4	913.8	869.2	814.9	754.3
37.5°	619.1	694.9	778.0	860.1	917.8	924.9	885.2	831.9	768.9	705.2	633.8
40°	588.8	669.1	754.7	837.5	888.5	881.2	830.5	772.0	697.0	619.1	552.8
42.5°	561.6	641.9	729.1	810.4	851.2	831.1	772.0	700.0	619.5	546.1	485.4
45°	514.5	597.1	686.3	764.9	788.3	752.0	673.7	593.8	514.5	453.3	405.3
47.5°	468.9	550.5	638.8	707.9	716.2	667.4	581.8	499.6	431.5	381.6	347.8
50°	435.2	517.2	604.8	666.4	663.7	604.8	516.8	438.5	381.7	341.3	318.7
52.5°	405.1	482.5	566.7	622.7	608.6	544.3	460.4	390.9	344.1	312.5	292.0
55°	358.3	429.9	509.9	554.8	528.9	457.5	386.6	330.6	296.0	272.4	256.5
57.5°	311.8	379.0	447.4	475.1	446.4	380.6	321.5	280.9	254.9	237.3	226.9
60°	283.0	341.7	402.6	426.6	392.3	333.7	287.0	250.7	229.8	215.4	206.2
62.5°	254.3	306.7	364.3	377.3	345.9	296.4	255.1	224.9	207.7	194.9	186.2
65°	215.2	258.1	301.8	310.4	281.4	243.1	210.4	190.8	175.5	166.2	159.2
67.5°	176.5	210.9	241.8	248.8	223.5	196.9	173.3	156.2	145.8	138.0	132.2
70°	153.6	180.8	206.2	211.8	191.5	167.8	149.9	136.2	126.9	120.2	114.6
72.5°	129.3	152.0	173.1	176.9	160.3	142.2	127.5	116.7	108.5	104.2	98.8
75°	98.9	112.3	128.6	129.6	118.6	107.5	96.2	89.3	84.9	79.6	77.0
77.5°	69.8	80.3	89.6	91.4	84.9	77.4	71.1	65.5	61.9	59.4	57.0
80°	53.3	61.6	65.6	67.9	63.3	58.0	54.3	50.6	48.3	46.6	44.9
82.5°	38.1	43.2	47.0	48.8	46.2	43.1	39.3	37.3	35.5	34.1	33.5
85°	19.4	21.7	24.0	24.6	24.0	22.6	20.7	20.7	19.6	19.4	19.4
87.5°	7.7	9.5	10.2	11.7	12.1	13.5	14.8	15.8	16.9	16.5	16.1
90°	4.9	8.5	12.1	15.7	20.8	27.4	33.9	40.5	47.1	46.5	45.8
92.5°	26.6	29.2	31.8	34.4	36.6	38.1	39.7	41.2	42.7	42.9	43.0
95°	72.9	75.9	78.8	81.9	83.6	84.3	84.8	85.4	86.1	86.1	86.1
97.5°	130.4	133.0	135.6	138.2	140.1	141.2	142.4	143.5	144.6	144.6	144.6
100°	173.1	175.5	177.9	180.3	181.9	182.8	183.7	184.6	185.5	185.5	185.5
102.5°	217.8	219.7	221.6	223.6	225.1	226.2	227.3	228.5	229.6	229.9	230.1
105°	289.9	290.8	291.7	292.6	293.4	294.0	294.5	295.2	295.8	296.3	296.9
107.5°	364.0	365.3	366.7	367.9	368.6	368.6	368.6	368.6	368.6	368.8	369.1
110°	411.8	413.6	415.4	417.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	463.4	465.2	467.0	468.8	469.6	469.3	469.1	468.9	468.6	467.9	467.2
115°	539.5	541.3	543.1	544.9	545.5	544.9	544.3	543.7	543.1	542.8	542.5
117.5°	615.9	618.3	620.7	623.1	623.5	621.8	620.1	618.4	616.8	616.1	615.4
120°	666.5	668.9	671.3	673.7	673.7	671.3	668.9	666.5	664.1	664.1	664.1
122.5°	713.2	716.0	718.9	721.8	722.4	720.8	719.1	717.4	715.7	715.0	714.3
125°	785.1	787.7	790.4	793.2	794.1	793.2	792.3	791.4	790.4	789.5	788.6
127.5°	856.0	859.3	862.8	866.2	867.4	866.3	865.2	864.2	863.1	861.9	860.9
130°	900.5	904.5	908.3	912.2	913.8	913.2	912.7	912.0	911.4	910.9	910.3
132.5°	949.3	952.4	955.6	958.8	960.5	960.6	960.6	960.8	960.9	959.6	958.3
135°	1015.6	1018.9	1022.1	1025.4	1027.3	1028.0	1028.6	1029.1	1029.7	1029.5	1029.1
137.5°	1084.6	1087.3	1089.9	1092.6	1094.4	1095.2	1095.9	1096.7	1097.5	1097.3	1097.0
140°	1126.5	1129.3	1131.9	1134.6	1136.7	1138.2	1139.7	1141.2	1142.6	1142.6	1142.6
142.5°	1169.6	1172.2	1174.9	1177.6	1179.5	1180.4	1181.5	1182.5	1183.6	1183.7	1184.0
145°	1230.8	1232.9	1234.9	1237.1	1239.0	1240.8	1242.6	1244.4	1246.2	1246.4	1246.8
147.5°	1286.3	1288.8	1291.4	1293.9	1295.7	1296.9	1298.1	1299.3	1300.5	1301.2	1301.8
150°	1323.2	1325.1	1326.9	1328.6	1330.1	1331.3	1332.5	1333.7	1334.9	1335.8	1336.7
152.5°	1356.6	1358.3	1360.1	1362.0	1363.6	1365.0	1366.5	1367.9	1369.3	1370.5	1371.5
155°	1405.7	1406.6	1407.5	1408.4	1409.3	1410.2	1411.0	1411.9	1412.8	1414.3	1415.9
157.5°	1448.1	1448.8	1449.4	1449.9	1450.5	1451.1	1451.6	1452.2	1452.7	1454.6	1456.7
160°	1474.0	1474.5	1475.2	1475.8	1476.2	1476.5	1476.8	1477.1	1477.4	1479.2	1481.0
162.5°	1497.2	1497.3	1497.4	1497.5	1497.7	1498.0	1498.3	1498.6	1498.9	1500.9	1503.0
165°	1528.2	1527.9	1527.6	1527.3	1527.1	1527.1	1527.1	1527.1	1527.1	1529.2	1531.3
167.5°	1553.9	1553.0	1552.1	1551.2	1550.8	1550.7	1550.7	1550.6	1550.5	1552.6	1554.7
170°	1567.9	1567.0	1566.1	1565.2	1564.6	1564.3	1564.1	1563.7	1563.4	1565.5	1567.6
172.5°	1577.6	1576.7	1575.8	1574.9	1574.3	1574.0	1573.7	1573.4	1573.1	1575.2	1577.3
175°	1589.4	1588.5	1587.6	1586.7	1586.0	1585.4	1584.7	1584.2	1583.6	1585.7	1587.8
177.5°	1594.5	1593.8	1593.0	1592.3	1591.7	1591.2	1590.7	1590.3	1589.7	1591.2	1592.7
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	898.8	902.5	902.5	903.0	907.2	906.8	906.5
5°	956.4	962.1	962.8	968.8	972.8	971.4	967.8
7.5°	1010.8	1021.4	1029.4	1033.8	1039.1	1042.3	1040.9
10°	1054.0	1069.3	1078.6	1084.9	1092.6	1098.3	1096.3
12.5°	1093.1	1111.4	1124.2	1135.1	1136.0	1143.4	1138.4
15°	1154.2	1173.6	1175.5	1183.6	1189.9	1189.2	1189.5
17.5°	1174.4	1180.6	1181.9	1182.1	1182.1	1179.8	1174.7
20°	1167.2	1164.9	1159.2	1154.9	1147.3	1146.2	1139.6
22.5°	1133.1	1125.7	1111.5	1102.2	1090.2	1087.1	1085.2
25°	1066.0	1049.6	1027.0	1005.4	999.3	987.7	991.0
27.5°	973.8	948.4	923.9	906.3	890.5	873.0	878.0
30°	909.1	880.5	845.9	819.2	802.3	785.6	782.6
32.5°	831.9	789.9	751.3	727.8	701.8	691.3	679.8
35°	698.7	657.7	619.4	586.5	567.5	552.8	539.5
37.5°	578.8	531.7	500.8	474.1	460.4	452.0	454.1
40°	504.5	463.2	440.6	420.3	407.6	401.6	403.0
42.5°	444.3	413.4	394.8	380.8	371.9	368.5	367.7
45°	375.9	358.6	343.3	335.4	331.0	327.3	325.0
47.5°	329.4	315.2	306.6	301.8	298.0	294.4	294.3
50°	301.4	292.0	286.1	281.1	278.0	275.4	277.8
52.5°	280.1	271.5	265.6	261.1	259.9	257.5	257.5
55°	248.4	241.7	237.5	233.4	231.5	230.2	228.5
57.5°	219.6	213.3	209.4	206.8	203.0	201.7	201.2
60°	199.1	194.1	190.1	186.8	185.1	182.5	182.5
62.5°	180.2	175.2	171.5	169.0	166.2	165.1	165.4
65°	152.8	148.8	145.2	142.5	141.9	139.9	140.5
67.5°	127.7	125.0	121.2	119.7	118.4	117.3	116.5
70°	110.9	108.3	106.2	104.2	103.3	103.3	103.3
72.5°	96.8	93.5	92.4	89.9	90.4	89.3	88.3
75°	74.9	72.9	72.0	70.9	69.3	69.3	69.3
77.5°	55.1	54.6	53.3	52.3	51.9	51.5	51.7
80°	42.6	42.3	41.6	41.6	40.9	40.7	39.9
82.5°	32.7	31.9	31.5	31.2	31.1	31.0	30.9
85°	18.6	18.0	18.0	18.3	17.7	17.7	18.0
87.5°	16.2	16.1	15.9	15.9	16.2	16.1	16.1
90°	45.3	44.7	44.5	44.9	45.1	45.4	45.7
92.5°	43.1	43.2	43.3	43.3	43.4	43.5	43.5
95°	86.1	86.1	85.7	85.2	84.5	83.9	83.4
97.5°	144.6	144.6	144.6	144.5	144.5	144.5	144.4
100°	185.5	185.5	185.4	185.0	184.8	184.5	184.1
102.5°	230.3	230.6	230.5	230.2	230.0	229.6	229.3
105°	297.6	298.1	298.5	298.5	298.5	298.5	298.5
107.5°	369.3	369.5	369.0	367.7	366.2	364.9	363.5
110°	418.1	418.1	417.6	416.7	415.8	414.9	414.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	466.5	465.7	465.0	464.4	463.8	463.1	462.4
115°	542.2	541.9	541.3	540.4	539.5	538.6	537.7
117.5°	614.7	613.9	613.1	612.2	611.3	610.4	609.5
120°	664.1	664.1	663.6	662.7	661.8	660.9	660.0
122.5°	713.5	712.8	712.1	711.5	710.9	710.2	709.5
125°	787.7	786.8	786.3	786.0	785.7	785.4	785.1
127.5°	859.8	858.7	857.7	856.8	855.8	854.9	853.9
130°	909.6	909.0	908.1	907.0	905.8	904.6	903.4
132.5°	957.0	955.6	954.5	953.6	952.6	951.6	950.7
135°	1028.9	1028.6	1028.0	1027.1	1026.2	1025.3	1024.4
137.5°	1096.8	1096.5	1095.8	1094.7	1093.4	1092.3	1091.0
140°	1142.6	1142.6	1142.1	1140.9	1139.7	1138.4	1137.3
142.5°	1184.3	1184.5	1184.0	1182.9	1181.6	1180.4	1179.2
145°	1247.1	1247.3	1246.9	1245.7	1244.6	1243.3	1242.2
147.5°	1302.4	1303.1	1302.9	1301.7	1300.6	1299.5	1298.3
150°	1337.6	1338.5	1338.5	1337.6	1336.7	1335.8	1334.9
152.5°	1372.7	1373.9	1373.9	1372.7	1371.5	1370.5	1369.3
155°	1417.4	1418.8	1419.2	1418.3	1417.4	1416.5	1415.6
157.5°	1458.7	1460.8	1461.1	1459.6	1458.2	1456.8	1455.4
160°	1482.7	1484.5	1484.9	1483.6	1482.5	1481.3	1480.1
162.5°	1505.0	1507.0	1507.3	1505.9	1504.5	1503.1	1501.6
165°	1533.4	1535.5	1535.8	1534.3	1532.9	1531.3	1529.8
167.5°	1556.8	1558.9	1559.2	1557.6	1556.0	1554.5	1552.9
170°	1569.7	1571.8	1571.9	1570.1	1568.3	1566.6	1564.8
172.5°	1579.4	1581.4	1581.6	1579.8	1578.1	1576.3	1574.5
175°	1589.8	1592.0	1592.1	1590.3	1588.5	1586.7	1584.9
177.5°	1594.1	1595.5	1595.5	1594.1	1592.7	1591.2	1589.7
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0

(END OF REPORT)