

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: P332145-927

Luminaire Tested: **S123DIW-S560D1535U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332145-927
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-S560D1535U927-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 560 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: 6107.9 lumens
Efficiency: N/A
Efficacy: 100.8 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

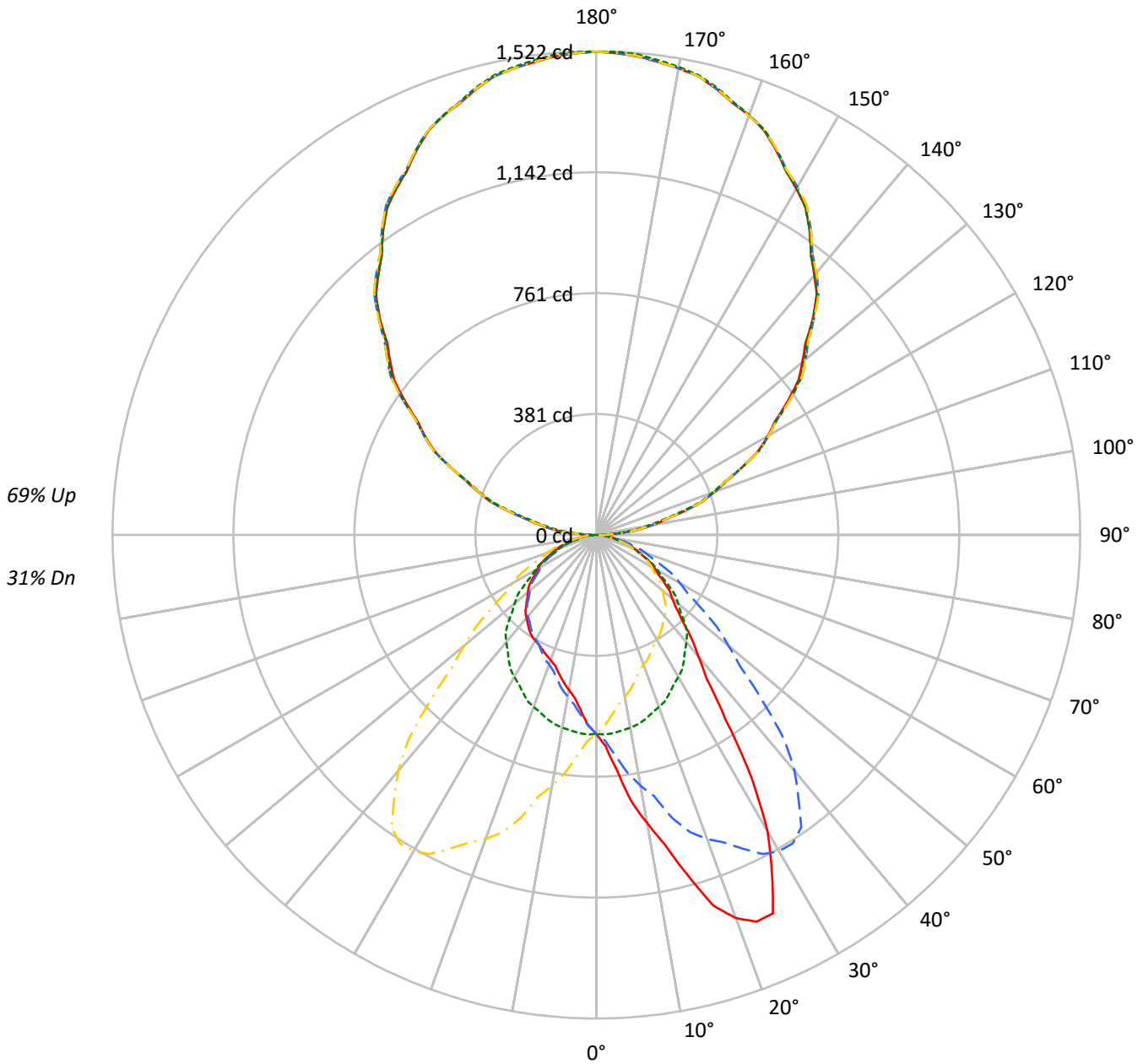
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	90	86	82	84	81	78	75	64	62	60	49	47	46	34	34	33	26
2	85	78	72	68	77	71	66	61	56	53	50	43	41	39	30	29	28	22
3	78	69	62	56	70	62	56	51	50	45	42	38	35	33	27	25	24	19
4	71	61	53	48	64	55	49	44	44	39	36	34	31	28	24	22	21	17
5	65	54	46	41	59	49	42	37	39	35	31	30	27	24	22	20	18	14
6	60	49	41	35	54	44	37	32	35	30	27	27	24	21	20	18	16	13
7	56	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	17	14	13	10
9	48	36	29	24	43	33	26	22	27	22	18	21	17	15	15	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6740	6740	6740	6740
5°	8038	6769	5999	6769
10°	10061	6735	5418	6735
15°	12340	6681	5045	6681
20°	14701	6596	4803	6596
25°	15610	6494	4749	6494
30°	13380	6418	4774	6418
35°	9305	6311	4824	6311
40°	7009	6185	4808	6185
45°	5820	5999	4748	5999
50°	5213	5620	4706	5620
55°	4874	5210	4647	5210
60°	4573	4781	4598	4781
65°	4297	4358	4452	4358
70°	4028	3877	4239	3877
75°	3606	3394	3889	3394
80°	3155	2783	3347	2783
85°	2470	2025	2248	2025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	1.0
10°-20°	197.8	3.2
20°-30°	332.0	5.4
30°-40°	375.9	6.2
40°-50°	337.1	5.5
50°-60°	272.0	4.5
60°-70°	189.6	3.1
70°-80°	99.6	1.6
80°-90°	28.9	0.5
90°-100°	99.1	1.6
100°-110°	296.5	4.9
110°-120°	504.3	8.3
120°-130°	663.4	10.9
130°-140°	745.6	12.2
140°-150°	732.9	12.0
150°-160°	617.0	10.1
160°-170°	410.7	6.7
170°-180°	143.8	2.4
0°-30°	591.5	9.7
0°-40°	967.4	15.8
0°-60°	1576.5	25.8
0°-90°	1894.6	31.0
90°-120°	899.9	14.7
90°-150°	3041.8	49.8
90°-180°	4213.0	69.0
0°-180°	6107.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	626	626	626	626	626	
5°	744	626	555	626	744	77
15°	1107	600	453	600	1107	320
25°	1314	547	400	547	1314	576
35°	708	480	367	480	708	460
45°	382	394	312	394	382	303
55°	260	278	248	278	260	233
65°	169	171	175	171	169	168
75°	87	82	94	82	87	93
85°	20	16	18	16	20	25
90°	36	1	36	1	36	18
95°	93	70	93	70	93	96
105°	284	269	284	269	284	302
115°	509	508	509	508	509	504
125°	735	743	735	743	735	657
135°	963	964	963	964	963	740
145°	1170	1170	1170	1170	1170	730
155°	1337	1339	1337	1339	1337	615
165°	1454	1459	1454	1459	1454	410
175°	1511	1517	1511	1517	1511	144
180°	1521	1521	1521	1521	1521	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	664.6	664.1	662.9	663.8	661.9	659.3	659.0	656.6	649.5	649.0	647.1
5°	743.9	741.5	741.2	740.9	736.7	730.9	719.9	719.1	704.5	697.2	688.4
7.5°	846.8	848.0	843.6	839.7	826.7	818.2	806.4	791.5	773.6	755.4	743.3
10°	920.5	930.5	918.1	909.6	901.7	886.8	869.6	848.0	826.5	801.3	782.2
12.5°	999.7	1004.6	1002.1	994.0	981.8	959.2	928.5	904.8	884.9	843.0	826.1
15°	1107.4	1125.9	1114.1	1086.8	1087.4	1065.9	1025.8	981.8	958.5	921.7	871.6
17.5°	1222.3	1224.6	1219.5	1196.7	1181.5	1152.0	1115.0	1072.9	1025.5	981.1	928.0
20°	1283.4	1281.6	1271.0	1259.1	1233.0	1210.0	1169.6	1122.6	1061.9	1018.2	960.3
22.5°	1317.4	1314.3	1309.3	1299.4	1277.7	1252.9	1216.7	1165.3	1107.6	1047.3	980.4
25°	1314.3	1318.3	1318.9	1316.1	1308.6	1293.7	1265.2	1224.2	1166.6	1089.3	1019.5
27.5°	1195.4	1200.9	1217.2	1231.6	1247.7	1264.0	1261.9	1241.5	1198.9	1132.0	1046.7
30°	1076.5	1064.3	1094.4	1132.3	1158.1	1203.6	1229.1	1230.6	1206.7	1149.3	1066.1
32.5°	911.4	924.8	938.0	984.7	1041.1	1092.2	1142.9	1183.8	1188.4	1150.2	1077.5
35°	708.1	724.8	749.1	773.4	834.1	886.2	975.4	1053.1	1115.0	1123.2	1078.6
37.5°	570.6	578.9	594.2	618.5	658.2	720.2	789.2	887.3	977.0	1043.7	1046.6
40°	498.8	501.2	518.5	537.0	569.2	620.1	682.4	769.1	876.5	969.7	1008.5
42.5°	444.9	450.3	457.6	475.4	501.0	539.3	597.1	668.9	767.3	874.5	950.5
45°	382.3	388.3	392.9	404.7	422.9	448.7	489.1	554.6	629.5	740.3	842.6
47.5°	340.9	341.4	344.8	353.7	366.1	385.5	414.0	456.1	524.9	614.7	719.7
50°	311.3	316.2	317.3	324.3	334.1	348.3	372.0	407.7	464.2	543.1	639.6
52.5°	290.4	291.8	295.2	300.3	308.8	319.9	340.4	368.4	412.7	480.0	568.7
55°	259.7	259.7	263.1	267.0	271.9	281.9	295.5	316.2	349.8	402.0	475.5
57.5°	231.3	232.8	235.2	236.4	240.5	247.2	258.6	274.3	299.4	339.5	397.9
60°	212.4	215.1	214.8	217.2	220.9	226.0	235.8	248.5	270.9	303.1	352.3
62.5°	195.9	195.7	195.7	198.5	202.2	207.1	213.4	224.4	243.5	272.0	313.9
65°	168.7	168.1	170.2	172.1	173.3	176.9	181.7	191.5	204.2	225.5	257.9
67.5°	144.6	142.8	143.9	144.6	146.6	149.5	154.0	160.0	170.2	187.2	211.7
70°	128.0	126.5	126.2	126.8	128.7	130.8	134.1	139.9	149.2	163.0	180.9
72.5°	111.1	110.0	110.0	111.3	112.2	113.5	115.9	121.2	128.7	138.9	155.6
75°	86.7	86.7	86.7	87.1	88.0	89.2	91.0	93.7	99.5	106.8	118.0
77.5°	65.0	65.0	64.6	64.6	65.9	66.5	66.9	69.4	72.6	77.6	85.7
80°	50.9	49.4	50.1	50.9	51.6	51.9	52.8	53.4	56.2	58.9	64.6
82.5°	37.9	36.6	36.7	38.1	38.3	38.5	39.5	40.3	41.4	43.8	46.9
85°	20.0	20.0	20.4	20.4	20.6	20.4	21.2	21.5	21.5	23.1	24.9
87.5°	14.4	13.9	14.0	14.1	13.8	13.9	13.9	13.9	13.9	14.0	13.5
90°	35.8	35.3	34.8	34.2	33.7	33.0	31.8	30.8	29.7	28.7	25.2
92.5°	48.2	48.6	48.9	49.2	49.5	49.3	48.4	47.5	46.7	45.9	43.9
95°	93.2	93.2	93.2	93.2	93.2	92.6	91.6	90.5	89.4	88.4	86.3
97.5°	143.4	143.5	143.5	143.7	143.8	143.2	142.0	140.8	139.6	138.3	136.8
100°	181.6	181.0	180.5	180.0	179.4	178.8	178.0	177.2	176.4	175.6	174.3
102.5°	220.8	220.9	220.9	221.1	221.2	220.9	220.1	219.3	218.5	217.6	215.9
105°	284.3	283.8	283.3	282.7	282.2	281.9	281.9	281.9	281.9	281.9	279.6
107.5°	350.5	350.8	351.1	351.4	351.7	351.5	350.6	349.8	349.0	348.1	347.1
110°	395.4	395.9	396.5	397.0	397.5	397.3	396.2	395.1	394.1	393.0	392.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	443.1	443.3	443.4	443.5	443.6	443.0	441.7	440.5	439.2	437.9	437.8
115°	508.9	509.1	509.5	509.7	509.9	509.9	509.7	509.5	509.1	508.9	509.5
117.5°	575.5	576.3	577.0	577.7	578.5	578.9	579.0	579.0	579.1	579.2	579.8
120°	622.3	622.9	623.4	624.0	624.5	624.9	625.2	625.4	625.7	626.0	627.2
122.5°	667.3	668.0	668.8	669.6	670.3	671.0	671.7	672.3	673.0	673.8	674.5
125°	734.7	735.7	736.8	737.8	738.9	740.0	741.0	742.1	743.1	744.3	744.7
127.5°	801.8	803.0	804.2	805.5	806.7	808.0	809.5	811.0	812.5	814.0	814.6
130°	845.7	847.6	849.5	851.4	853.2	854.7	855.7	856.7	857.9	858.9	859.7
132.5°	891.6	893.0	894.5	896.0	897.4	898.7	900.0	901.3	902.5	903.8	904.4
135°	962.8	963.4	963.8	964.4	965.0	965.7	966.8	967.9	968.9	970.0	970.3
137.5°	1025.6	1026.7	1027.7	1028.6	1029.7	1030.8	1031.9	1033.0	1034.1	1035.2	1034.5
140°	1066.8	1068.6	1070.5	1072.3	1074.2	1075.2	1075.5	1075.8	1076.0	1076.3	1076.0
142.5°	1108.8	1110.2	1111.7	1113.1	1114.5	1115.4	1115.6	1115.9	1116.2	1116.4	1115.9
145°	1169.5	1170.5	1171.6	1172.7	1173.7	1174.4	1174.6	1174.9	1175.2	1175.4	1174.6
147.5°	1223.4	1225.0	1226.7	1228.3	1229.9	1230.7	1230.7	1230.7	1230.7	1230.7	1229.9
150°	1257.9	1259.5	1261.1	1262.7	1264.2	1265.0	1265.0	1265.0	1265.0	1265.0	1264.5
152.5°	1291.3	1292.7	1294.1	1295.5	1296.9	1297.4	1296.9	1296.5	1296.1	1295.6	1295.3
155°	1336.7	1338.6	1340.5	1342.3	1344.2	1344.6	1343.5	1342.4	1341.4	1340.3	1340.1
157.5°	1378.1	1379.5	1381.0	1382.5	1384.0	1384.2	1383.1	1382.0	1380.9	1379.7	1379.5
160°	1404.8	1405.9	1406.9	1408.0	1409.1	1408.9	1407.6	1406.3	1404.9	1403.6	1403.6
162.5°	1424.9	1426.6	1428.3	1430.0	1431.7	1431.9	1430.5	1429.2	1427.9	1426.6	1426.3
165°	1453.8	1455.6	1457.5	1459.4	1461.3	1461.3	1459.8	1458.2	1456.6	1455.0	1455.0
167.5°	1478.4	1480.0	1481.7	1483.4	1484.9	1484.9	1483.4	1481.7	1480.0	1478.4	1478.2
170°	1490.8	1492.7	1494.5	1496.4	1498.3	1498.3	1496.4	1494.5	1492.7	1490.8	1490.8
172.5°	1500.4	1502.2	1504.1	1505.9	1507.8	1507.9	1506.3	1504.6	1503.0	1501.3	1501.3
175°	1511.2	1513.0	1514.8	1516.7	1518.5	1518.7	1517.1	1515.5	1513.9	1512.4	1512.4
177.5°	1516.9	1518.4	1519.8	1521.3	1522.8	1522.9	1521.6	1520.4	1519.1	1517.8	1517.8
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	645.6	643.7	641.7	638.3	635.4	631.3	630.1	628.7	624.3	620.4	617.5
5°	685.1	677.8	667.2	657.4	649.6	639.0	632.9	626.5	617.4	609.3	602.5
7.5°	726.4	712.0	695.5	677.7	661.1	645.0	632.1	620.6	607.8	595.7	586.4
10°	759.1	738.5	715.4	690.5	669.3	648.6	631.4	616.2	599.8	585.6	573.7
12.5°	796.5	765.9	734.1	703.9	678.7	650.1	629.2	609.9	591.4	574.2	560.9
15°	840.7	801.9	764.3	722.7	684.4	648.6	623.8	599.5	578.0	560.4	543.4
17.5°	881.0	837.0	787.4	736.9	690.8	648.3	613.5	586.1	559.1	537.6	520.6
20°	903.8	853.7	797.6	745.1	694.2	646.8	608.6	575.8	546.8	523.9	504.9
22.5°	923.5	864.9	806.8	750.8	694.0	642.9	599.7	565.9	534.3	512.1	491.8
25°	943.9	873.8	815.6	749.7	686.3	633.5	584.9	546.8	515.2	489.1	468.2
27.5°	961.4	873.2	804.1	733.2	674.3	621.4	569.6	528.5	495.0	466.7	445.4
30°	973.0	874.4	792.2	722.1	662.7	608.0	557.6	516.4	481.2	452.3	432.4
32.5°	980.3	873.7	781.3	706.5	644.2	595.9	544.8	502.1	465.9	437.6	418.3
35°	984.5	868.3	762.5	674.5	614.4	567.4	524.6	480.3	442.4	416.0	394.1
37.5°	976.0	857.1	740.6	643.5	577.7	531.5	495.4	457.7	421.4	392.4	373.5
40°	962.7	849.9	723.6	621.7	552.5	507.9	477.3	440.2	404.4	376.8	359.3
42.5°	937.2	835.0	705.0	597.4	526.2	481.6	453.4	422.6	388.6	362.7	345.2
45°	875.0	802.8	676.9	561.0	487.6	441.5	416.6	394.1	363.5	338.3	323.1
47.5°	788.7	754.3	636.4	522.6	447.2	402.8	376.9	358.9	336.4	316.2	301.6
50°	728.8	714.5	609.0	496.4	420.2	376.8	352.0	335.6	319.5	299.1	285.8
52.5°	659.6	668.4	576.9	469.2	392.8	350.1	326.7	313.7	299.1	282.4	270.8
55°	562.2	594.1	521.6	423.6	352.0	311.3	289.1	277.6	269.1	256.7	246.7
57.5°	471.0	511.5	461.7	376.5	311.8	276.8	255.6	243.0	237.5	231.0	223.2
60°	416.8	456.9	419.0	345.0	284.9	251.5	232.7	222.1	216.7	212.1	205.4
62.5°	368.6	409.1	377.2	312.9	258.4	227.5	211.1	200.7	196.5	194.1	188.4
65°	302.2	337.1	315.8	263.1	220.5	193.3	178.4	171.1	167.2	166.3	162.6
67.5°	246.0	272.5	257.1	218.2	184.7	161.1	148.5	142.4	139.3	139.0	136.3
70°	209.1	233.9	222.1	186.9	158.0	139.6	128.7	123.2	121.4	121.0	119.5
72.5°	180.4	197.7	188.4	159.0	136.7	119.9	111.9	106.2	104.1	104.6	103.5
75°	133.5	146.6	141.1	120.7	102.8	91.9	85.2	81.6	79.8	80.7	79.5
77.5°	96.1	104.3	99.4	85.3	74.3	66.4	61.5	59.3	57.6	57.5	57.0
80°	72.5	77.4	74.6	66.1	57.0	50.4	46.4	44.9	44.0	43.7	43.4
82.5°	51.7	55.8	52.5	46.7	40.6	36.5	34.3	32.3	31.6	31.8	31.5
85°	26.1	27.6	26.4	22.7	20.4	18.5	17.3	16.4	15.8	16.1	15.4
87.5°	13.3	12.9	11.5	9.9	8.9	7.6	7.1	6.1	6.1	6.7	6.9
90°	21.8	18.3	14.9	11.8	9.2	6.5	3.9	1.2	3.9	6.5	9.2
92.5°	41.9	40.0	38.0	36.1	34.3	32.5	30.7	28.9	30.7	32.5	34.3
95°	84.1	82.0	79.9	78.0	76.0	74.2	72.3	70.5	72.3	74.2	76.0
97.5°	135.2	133.7	132.1	130.7	129.4	127.9	126.6	125.2	126.6	127.9	129.4
100°	172.9	171.6	170.3	168.8	167.2	165.6	164.1	162.5	164.1	165.6	167.2
102.5°	214.1	212.4	210.6	209.3	208.3	207.4	206.4	205.5	206.4	207.4	208.3
105°	277.1	274.7	272.4	270.9	270.4	269.8	269.3	268.8	269.3	269.8	270.4
107.5°	346.2	345.2	344.3	343.6	343.3	343.0	342.7	342.4	342.7	343.0	343.3
110°	392.0	391.4	390.9	390.4	389.8	389.3	388.8	388.2	388.8	389.3	389.8



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CATALOG NUMBER: S123DIW-S560D1535U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	437.7	437.6	437.5	437.3	437.0	436.7	436.3	436.0	436.3	436.7	437.0
115°	509.9	510.5	511.0	510.9	510.1	509.3	508.5	507.7	508.5	509.3	510.1
117.5°	580.5	581.2	581.9	581.9	581.5	580.9	580.4	579.9	580.4	580.9	581.5
120°	628.6	629.9	631.3	631.1	629.5	628.0	626.4	624.8	626.4	628.0	629.5
122.5°	675.1	675.8	676.5	676.3	675.1	673.9	672.7	671.6	672.7	673.9	675.1
125°	745.3	745.8	746.3	746.2	745.4	744.7	743.8	743.0	743.8	744.7	745.4
127.5°	815.2	815.7	816.3	815.8	814.0	812.4	810.6	809.0	810.6	812.4	814.0
130°	860.5	861.3	862.1	861.4	859.3	857.1	855.1	852.9	855.1	857.1	859.3
132.5°	905.0	905.5	906.2	905.4	903.2	901.1	899.0	896.9	899.0	901.1	903.2
135°	970.5	970.8	971.1	970.4	968.8	967.2	965.6	964.0	965.6	967.2	968.8
137.5°	1033.8	1033.2	1032.5	1031.4	1030.2	1028.8	1027.5	1026.1	1027.5	1028.8	1030.2
140°	1075.8	1075.5	1075.2	1074.4	1073.1	1071.8	1070.5	1069.1	1070.5	1071.8	1073.1
142.5°	1115.5	1115.0	1114.5	1113.6	1112.3	1111.0	1109.6	1108.3	1109.6	1111.0	1112.3
145°	1173.9	1173.1	1172.3	1171.6	1171.1	1170.5	1170.1	1169.5	1170.1	1170.5	1171.1
147.5°	1229.2	1228.4	1227.6	1226.9	1225.9	1224.9	1223.9	1223.0	1223.9	1224.9	1225.9
150°	1264.0	1263.5	1262.9	1262.4	1261.9	1261.3	1260.8	1260.3	1260.8	1261.3	1261.9
152.5°	1295.0	1294.7	1294.3	1293.8	1293.1	1292.4	1291.6	1290.9	1291.6	1292.4	1293.1
155°	1339.7	1339.5	1339.3	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1
157.5°	1379.3	1379.1	1378.9	1379.0	1379.3	1379.6	1379.9	1380.2	1379.9	1379.6	1379.3
160°	1403.6	1403.6	1403.6	1403.9	1404.4	1404.9	1405.5	1406.0	1405.5	1404.9	1404.4
162.5°	1426.2	1425.9	1425.7	1426.0	1426.7	1427.4	1428.2	1428.9	1428.2	1427.4	1426.7
165°	1455.0	1455.0	1455.0	1455.4	1456.2	1457.0	1457.8	1458.6	1457.8	1457.0	1456.2
167.5°	1478.0	1477.7	1477.6	1478.0	1479.0	1480.1	1481.1	1482.3	1481.1	1480.1	1479.0
170°	1490.8	1490.8	1490.8	1491.4	1492.4	1493.5	1494.5	1495.6	1494.5	1493.5	1492.4
172.5°	1501.3	1501.3	1501.3	1501.9	1502.9	1504.0	1505.1	1506.1	1505.1	1504.0	1502.9
175°	1512.4	1512.4	1512.4	1512.8	1513.9	1515.0	1516.1	1517.1	1516.1	1515.0	1513.9
177.5°	1517.8	1517.8	1517.8	1518.2	1519.1	1520.0	1520.8	1521.6	1520.8	1520.0	1519.1
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	615.8	614.1	611.6	608.0	605.1	600.5	600.5	601.2	601.2	600.9	600.5
5°	597.1	592.6	587.1	580.7	574.0	567.4	566.2	563.7	561.9	560.7	559.2
7.5°	577.3	569.3	561.3	552.5	544.3	537.6	532.9	529.0	526.5	523.9	521.9
10°	564.0	554.0	544.6	535.2	524.9	516.7	511.5	507.9	505.2	502.7	501.5
12.5°	548.3	536.8	526.4	517.5	506.2	497.7	492.8	491.2	487.9	482.8	480.1
15°	525.2	514.6	502.2	488.5	483.0	472.7	466.9	464.2	462.4	458.4	457.2
17.5°	505.5	491.5	477.6	467.4	457.2	448.9	445.7	442.3	439.9	436.7	435.7
20°	489.7	477.3	464.5	453.6	443.0	433.9	431.1	428.7	426.3	424.8	423.6
22.5°	473.6	461.2	450.7	440.5	429.1	423.2	420.2	417.6	415.8	414.8	413.6
25°	451.1	440.2	428.4	419.3	410.2	406.2	404.4	402.9	401.7	400.2	399.9
27.5°	431.0	419.1	409.6	401.0	394.5	391.2	389.4	388.7	389.0	389.5	389.8
30°	416.0	405.0	397.1	389.8	383.8	380.8	380.5	380.5	381.7	382.0	382.6
32.5°	402.1	393.2	385.2	378.2	373.6	371.5	372.7	372.7	373.7	374.5	375.6
35°	382.0	374.1	368.0	361.9	358.0	358.9	359.5	360.1	361.6	363.5	364.7
37.5°	362.7	355.9	349.6	344.8	343.0	344.7	346.1	347.4	349.2	350.5	351.7
40°	348.9	343.7	337.7	333.4	334.1	334.9	336.2	337.7	339.2	340.1	341.4
42.5°	336.0	330.7	326.1	322.5	323.4	324.6	325.3	326.1	327.8	329.5	330.2
45°	316.5	312.2	307.9	305.9	306.4	307.0	307.7	308.6	310.1	311.3	311.6
47.5°	294.5	291.4	288.6	286.5	287.5	287.2	288.0	290.0	290.5	291.2	292.9
50°	280.4	277.6	274.3	273.7	273.7	273.7	273.9	276.4	276.4	277.6	278.8
52.5°	264.8	263.1	260.9	259.8	259.4	259.4	260.6	261.8	262.3	264.0	265.2
55°	241.8	240.0	238.2	237.3	236.6	237.3	239.7	240.3	241.8	242.7	243.6
57.5°	217.9	216.4	215.0	214.5	214.4	215.2	216.5	218.3	218.7	221.5	222.8
60°	202.1	199.9	198.8	198.8	198.1	200.8	200.3	203.3	203.9	205.7	207.9
62.5°	185.8	182.9	182.4	182.4	183.3	184.1	185.0	186.3	187.9	190.2	191.8
65°	159.6	158.0	160.2	159.9	159.3	161.1	161.1	162.6	164.5	166.6	169.9
67.5°	134.8	134.0	134.2	134.2	135.1	136.1	137.0	138.3	140.5	142.8	144.9
70°	118.0	118.9	117.4	118.7	119.5	119.9	120.4	122.2	124.7	126.2	128.7
72.5°	101.8	101.7	101.9	102.3	103.3	103.9	104.4	106.5	109.2	110.4	112.4
75°	78.3	78.0	78.9	78.9	80.4	81.0	81.6	82.5	84.9	86.7	88.3
77.5°	57.2	57.5	57.4	58.4	58.0	58.1	60.0	60.8	61.1	64.7	65.5
80°	43.1	43.7	44.0	44.3	44.6	44.0	46.1	47.1	47.1	49.1	50.7
82.5°	31.0	31.3	32.1	32.4	32.5	33.0	33.3	33.9	34.6	35.6	37.5
85°	15.4	16.4	16.7	16.4	16.7	16.1	17.0	17.3	17.6	17.6	17.6
87.5°	7.2	8.1	8.6	9.4	9.9	10.9	11.0	10.8	11.0	12.0	11.1
90°	11.8	14.9	18.3	21.8	25.2	28.7	29.7	30.8	31.8	33.0	33.7
92.5°	36.1	38.0	40.0	41.9	43.9	45.9	46.7	47.5	48.4	49.3	49.5
95°	78.0	79.9	82.0	84.1	86.3	88.4	89.4	90.5	91.6	92.6	93.2
97.5°	130.7	132.1	133.7	135.2	136.8	138.3	139.6	140.8	142.0	143.2	143.8
100°	168.8	170.3	171.6	172.9	174.3	175.6	176.4	177.2	178.0	178.8	179.4
102.5°	209.3	210.6	212.4	214.1	215.9	217.6	218.5	219.3	220.1	220.9	221.2
105°	270.9	272.4	274.7	277.1	279.6	281.9	281.9	281.9	281.9	281.9	282.2
107.5°	343.6	344.3	345.2	346.2	347.1	348.1	349.0	349.8	350.6	351.5	351.7
110°	390.4	390.9	391.4	392.0	392.4	393.0	394.1	395.1	396.2	397.3	397.5



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	437.3	437.5	437.6	437.7	437.8	437.9	439.2	440.5	441.7	443.0	443.6
115°	510.9	511.0	510.5	509.9	509.5	508.9	509.1	509.5	509.7	509.9	509.9
117.5°	581.9	581.9	581.2	580.5	579.8	579.2	579.1	579.0	579.0	578.9	578.5
120°	631.1	631.3	629.9	628.6	627.2	626.0	625.7	625.4	625.2	624.9	624.5
122.5°	676.3	676.5	675.8	675.1	674.5	673.8	673.0	672.3	671.7	671.0	670.3
125°	746.2	746.3	745.8	745.3	744.7	744.3	743.1	742.1	741.0	740.0	738.9
127.5°	815.8	816.3	815.7	815.2	814.6	814.0	812.5	811.0	809.5	808.0	806.7
130°	861.4	862.1	861.3	860.5	859.7	858.9	857.9	856.7	855.7	854.7	853.2
132.5°	905.4	906.2	905.5	905.0	904.4	903.8	902.5	901.3	900.0	898.7	897.4
135°	970.4	971.1	970.8	970.5	970.3	970.0	968.9	967.9	966.8	965.7	965.0
137.5°	1031.4	1032.5	1033.2	1033.8	1034.5	1035.2	1034.1	1033.0	1031.9	1030.8	1029.7
140°	1074.4	1075.2	1075.5	1075.8	1076.0	1076.3	1076.0	1075.8	1075.5	1075.2	1074.2
142.5°	1113.6	1114.5	1115.0	1115.5	1115.9	1116.4	1116.2	1115.9	1115.6	1115.4	1114.5
145°	1171.6	1172.3	1173.1	1173.9	1174.6	1175.4	1175.2	1174.9	1174.6	1174.4	1173.7
147.5°	1226.9	1227.6	1228.4	1229.2	1229.9	1230.7	1230.7	1230.7	1230.7	1230.7	1229.9
150°	1262.4	1262.9	1263.5	1264.0	1264.5	1265.0	1265.0	1265.0	1265.0	1265.0	1264.2
152.5°	1293.8	1294.3	1294.7	1295.0	1295.3	1295.6	1296.1	1296.5	1296.9	1297.4	1296.9
155°	1339.1	1339.3	1339.5	1339.7	1340.1	1340.3	1341.4	1342.4	1343.5	1344.6	1344.2
157.5°	1379.0	1378.9	1379.1	1379.3	1379.5	1379.7	1380.9	1382.0	1383.1	1384.2	1384.0
160°	1403.9	1403.6	1403.6	1403.6	1403.6	1403.6	1404.9	1406.3	1407.6	1408.9	1409.1
162.5°	1426.0	1425.7	1425.9	1426.2	1426.3	1426.6	1427.9	1429.2	1430.5	1431.9	1431.7
165°	1455.4	1455.0	1455.0	1455.0	1455.0	1455.0	1456.6	1458.2	1459.8	1461.3	1461.3
167.5°	1478.0	1477.6	1477.7	1478.0	1478.2	1478.4	1480.0	1481.7	1483.4	1484.9	1484.9
170°	1491.4	1490.8	1490.8	1490.8	1490.8	1490.8	1492.7	1494.5	1496.4	1498.3	1498.3
172.5°	1501.9	1501.3	1501.3	1501.3	1501.3	1501.3	1503.0	1504.6	1506.3	1507.9	1507.8
175°	1512.8	1512.4	1512.4	1512.4	1512.4	1512.4	1513.9	1515.5	1517.1	1518.7	1518.5
177.5°	1518.2	1517.8	1517.8	1517.8	1517.8	1517.8	1519.1	1520.4	1521.6	1522.9	1522.8
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



TEST NUMBER: P332145-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	598.8	598.6	600.2	599.0	600.2	598.6	598.8	600.5	600.9	601.2	601.2
5°	557.4	558.3	555.2	555.2	555.2	558.3	557.4	559.2	560.7	561.9	563.7
7.5°	520.5	519.1	519.3	517.6	519.3	519.1	520.5	521.9	523.9	526.5	529.0
10°	497.9	496.1	495.4	495.7	495.4	496.1	497.9	501.5	502.7	505.2	507.9
12.5°	479.2	478.8	474.8	474.9	474.8	478.8	479.2	480.1	482.8	487.9	491.2
15°	457.2	451.5	450.8	452.7	450.8	451.5	457.2	457.2	458.4	462.4	464.2
17.5°	435.2	432.1	432.4	431.4	432.4	432.1	435.2	435.7	436.7	439.9	442.3
20°	423.6	421.8	421.4	419.3	421.4	421.8	423.6	423.6	424.8	426.3	428.7
22.5°	412.9	412.3	412.4	410.1	412.4	412.3	412.9	413.6	414.8	415.8	417.6
25°	399.6	401.1	399.9	399.9	399.9	401.1	399.6	399.9	400.2	401.7	402.9
27.5°	390.6	390.5	389.9	389.9	389.9	390.5	390.6	389.8	389.5	389.0	388.7
30°	383.8	383.5	384.1	384.1	384.1	383.5	383.8	382.6	382.0	381.7	380.5
32.5°	377.0	377.4	377.6	377.8	377.6	377.4	377.0	375.6	374.5	373.7	372.7
35°	366.5	366.8	367.7	367.1	367.7	366.8	366.5	364.7	363.5	361.6	360.1
37.5°	352.3	353.7	353.4	353.9	353.4	353.7	352.3	351.7	350.5	349.2	347.4
40°	341.7	342.5	342.2	342.2	342.2	342.5	341.7	341.4	340.1	339.2	337.7
42.5°	330.7	331.4	330.6	330.1	330.6	331.4	330.7	330.2	329.5	327.8	326.1
45°	312.8	312.2	313.1	311.9	313.1	312.2	312.8	311.6	311.3	310.1	308.6
47.5°	292.8	293.4	293.7	294.5	293.7	293.4	292.8	292.9	291.2	290.5	290.0
50°	279.4	281.2	281.2	281.0	281.2	281.2	279.4	278.8	277.6	276.4	276.4
52.5°	266.3	267.2	268.4	268.3	268.4	267.2	266.3	265.2	264.0	262.3	261.8
55°	246.1	246.7	247.2	247.6	247.2	246.7	246.1	243.6	242.7	241.8	240.3
57.5°	225.1	224.8	226.2	226.7	226.2	224.8	225.1	222.8	221.5	218.7	218.3
60°	210.2	210.2	212.7	213.6	212.7	210.2	210.2	207.9	205.7	203.9	203.3
62.5°	194.5	195.4	197.9	196.6	197.9	195.4	194.5	191.8	190.2	187.9	186.3
65°	171.4	173.9	173.6	174.8	173.6	173.9	171.4	169.9	166.6	164.5	162.6
67.5°	147.3	148.9	151.1	151.2	151.1	148.9	147.3	144.9	142.8	140.5	138.3
70°	131.1	132.6	133.8	134.7	133.8	132.6	131.1	128.7	126.2	124.7	122.2
72.5°	115.3	116.1	119.0	117.7	119.0	116.1	115.3	112.4	110.4	109.2	106.5
75°	90.4	92.5	94.3	93.5	94.3	92.5	90.4	88.3	86.7	84.9	82.5
77.5°	66.9	69.0	69.9	69.1	69.9	69.0	66.9	65.5	64.7	61.1	60.8
80°	52.8	52.5	54.3	54.0	54.3	52.5	52.8	50.7	49.1	47.1	47.1
82.5°	38.7	38.4	39.3	39.5	39.3	38.4	38.7	37.5	35.6	34.6	33.9
85°	18.8	19.7	18.5	18.2	18.5	19.7	18.8	17.6	17.6	17.6	17.3
87.5°	11.2	11.3	11.2	11.1	11.2	11.3	11.2	11.1	12.0	11.0	10.8
90°	34.2	34.8	35.3	35.8	35.3	34.8	34.2	33.7	33.0	31.8	30.8
92.5°	49.2	48.9	48.6	48.2	48.6	48.9	49.2	49.5	49.3	48.4	47.5
95°	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	92.6	91.6	90.5
97.5°	143.7	143.5	143.5	143.4	143.5	143.5	143.7	143.8	143.2	142.0	140.8
100°	180.0	180.5	181.0	181.6	181.0	180.5	180.0	179.4	178.8	178.0	177.2
102.5°	221.1	220.9	220.9	220.8	220.9	220.9	221.1	221.2	220.9	220.1	219.3
105°	282.7	283.3	283.8	284.3	283.8	283.3	282.7	282.2	281.9	281.9	281.9
107.5°	351.4	351.1	350.8	350.5	350.8	351.1	351.4	351.7	351.5	350.6	349.8
110°	397.0	396.5	395.9	395.4	395.9	396.5	397.0	397.5	397.3	396.2	395.1



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	443.5	443.4	443.3	443.1	443.3	443.4	443.5	443.6	443.0	441.7	440.5
115°	509.7	509.5	509.1	508.9	509.1	509.5	509.7	509.9	509.9	509.7	509.5
117.5°	577.7	577.0	576.3	575.5	576.3	577.0	577.7	578.5	578.9	579.0	579.0
120°	624.0	623.4	622.9	622.3	622.9	623.4	624.0	624.5	624.9	625.2	625.4
122.5°	669.6	668.8	668.0	667.3	668.0	668.8	669.6	670.3	671.0	671.7	672.3
125°	737.8	736.8	735.7	734.7	735.7	736.8	737.8	738.9	740.0	741.0	742.1
127.5°	805.5	804.2	803.0	801.8	803.0	804.2	805.5	806.7	808.0	809.5	811.0
130°	851.4	849.5	847.6	845.7	847.6	849.5	851.4	853.2	854.7	855.7	856.7
132.5°	896.0	894.5	893.0	891.6	893.0	894.5	896.0	897.4	898.7	900.0	901.3
135°	964.4	963.8	963.4	962.8	963.4	963.8	964.4	965.0	965.7	966.8	967.9
137.5°	1028.6	1027.7	1026.7	1025.6	1026.7	1027.7	1028.6	1029.7	1030.8	1031.9	1033.0
140°	1072.3	1070.5	1068.6	1066.8	1068.6	1070.5	1072.3	1074.2	1075.2	1075.5	1075.8
142.5°	1113.1	1111.7	1110.2	1108.8	1110.2	1111.7	1113.1	1114.5	1115.4	1115.6	1115.9
145°	1172.7	1171.6	1170.5	1169.5	1170.5	1171.6	1172.7	1173.7	1174.4	1174.6	1174.9
147.5°	1228.3	1226.7	1225.0	1223.4	1225.0	1226.7	1228.3	1229.9	1230.7	1230.7	1230.7
150°	1262.7	1261.1	1259.5	1257.9	1259.5	1261.1	1262.7	1264.2	1265.0	1265.0	1265.0
152.5°	1295.5	1294.1	1292.7	1291.3	1292.7	1294.1	1295.5	1296.9	1297.4	1296.9	1296.5
155°	1342.3	1340.5	1338.6	1336.7	1338.6	1340.5	1342.3	1344.2	1344.6	1343.5	1342.4
157.5°	1382.5	1381.0	1379.5	1378.1	1379.5	1381.0	1382.5	1384.0	1384.2	1383.1	1382.0
160°	1408.0	1406.9	1405.9	1404.8	1405.9	1406.9	1408.0	1409.1	1408.9	1407.6	1406.3
162.5°	1430.0	1428.3	1426.6	1424.9	1426.6	1428.3	1430.0	1431.7	1431.9	1430.5	1429.2
165°	1459.4	1457.5	1455.6	1453.8	1455.6	1457.5	1459.4	1461.3	1461.3	1459.8	1458.2
167.5°	1483.4	1481.7	1480.0	1478.4	1480.0	1481.7	1483.4	1484.9	1484.9	1483.4	1481.7
170°	1496.4	1494.5	1492.7	1490.8	1492.7	1494.5	1496.4	1498.3	1498.3	1496.4	1494.5
172.5°	1505.9	1504.1	1502.2	1500.4	1502.2	1504.1	1505.9	1507.8	1507.9	1506.3	1504.6
175°	1516.7	1514.8	1513.0	1511.2	1513.0	1514.8	1516.7	1518.5	1518.7	1517.1	1515.5
177.5°	1521.3	1519.8	1518.4	1516.9	1518.4	1519.8	1521.3	1522.8	1522.9	1521.6	1520.4
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	600.5	600.5	605.1	608.0	611.6	614.1	615.8	617.5	620.4	624.3	628.7
5°	566.2	567.4	574.0	580.7	587.1	592.6	597.1	602.5	609.3	617.4	626.5
7.5°	532.9	537.6	544.3	552.5	561.3	569.3	577.3	586.4	595.7	607.8	620.6
10°	511.5	516.7	524.9	535.2	544.6	554.0	564.0	573.7	585.6	599.8	616.2
12.5°	492.8	497.7	506.2	517.5	526.4	536.8	548.3	560.9	574.2	591.4	609.9
15°	466.9	472.7	483.0	488.5	502.2	514.6	525.2	543.4	560.4	578.0	599.5
17.5°	445.7	448.9	457.2	467.4	477.6	491.5	505.5	520.6	537.6	559.1	586.1
20°	431.1	433.9	443.0	453.6	464.5	477.3	489.7	504.9	523.9	546.8	575.8
22.5°	420.2	423.2	429.1	440.5	450.7	461.2	473.6	491.8	512.1	534.3	565.9
25°	404.4	406.2	410.2	419.3	428.4	440.2	451.1	468.2	489.1	515.2	546.8
27.5°	389.4	391.2	394.5	401.0	409.6	419.1	431.0	445.4	466.7	495.0	528.5
30°	380.5	380.8	383.8	389.8	397.1	405.0	416.0	432.4	452.3	481.2	516.4
32.5°	372.7	371.5	373.6	378.2	385.2	393.2	402.1	418.3	437.6	465.9	502.1
35°	359.5	358.9	358.0	361.9	368.0	374.1	382.0	394.1	416.0	442.4	480.3
37.5°	346.1	344.7	343.0	344.8	349.6	355.9	362.7	373.5	392.4	421.4	457.7
40°	336.2	334.9	334.1	333.4	337.7	343.7	348.9	359.3	376.8	404.4	440.2
42.5°	325.3	324.6	323.4	322.5	326.1	330.7	336.0	345.2	362.7	388.6	422.6
45°	307.7	307.0	306.4	305.9	307.9	312.2	316.5	323.1	338.3	363.5	394.1
47.5°	288.0	287.2	287.5	286.5	288.6	291.4	294.5	301.6	316.2	336.4	358.9
50°	273.9	273.7	273.7	273.7	274.3	277.6	280.4	285.8	299.1	319.5	335.6
52.5°	260.6	259.4	259.4	259.8	260.9	263.1	264.8	270.8	282.4	299.1	313.7
55°	239.7	237.3	236.6	237.3	238.2	240.0	241.8	246.7	256.7	269.1	277.6
57.5°	216.5	215.2	214.4	214.5	215.0	216.4	217.9	223.2	231.0	237.5	243.0
60°	200.3	200.8	198.1	198.8	198.8	199.9	202.1	205.4	212.1	216.7	222.1
62.5°	185.0	184.1	183.3	182.4	182.4	182.9	185.8	188.4	194.1	196.5	200.7
65°	161.1	161.1	159.3	159.9	160.2	158.0	159.6	162.6	166.3	167.2	171.1
67.5°	137.0	136.1	135.1	134.2	134.2	134.0	134.8	136.3	139.0	139.3	142.4
70°	120.4	119.9	119.5	118.7	117.4	118.9	118.0	119.5	121.0	121.4	123.2
72.5°	104.4	103.9	103.3	102.3	101.9	101.7	101.8	103.5	104.6	104.1	106.2
75°	81.6	81.0	80.4	78.9	78.9	78.0	78.3	79.5	80.7	79.8	81.6
77.5°	60.0	58.1	58.0	58.4	57.4	57.5	57.2	57.0	57.5	57.6	59.3
80°	46.1	44.0	44.6	44.3	44.0	43.7	43.1	43.4	43.7	44.0	44.9
82.5°	33.3	33.0	32.5	32.4	32.1	31.3	31.0	31.5	31.8	31.6	32.3
85°	17.0	16.1	16.7	16.4	16.7	16.4	15.4	15.4	16.1	15.8	16.4
87.5°	11.0	10.9	9.9	9.4	8.6	8.1	7.2	6.9	6.7	6.1	6.1
90°	29.7	28.7	25.2	21.8	18.3	14.9	11.8	9.2	6.5	3.9	1.2
92.5°	46.7	45.9	43.9	41.9	40.0	38.0	36.1	34.3	32.5	30.7	28.9
95°	89.4	88.4	86.3	84.1	82.0	79.9	78.0	76.0	74.2	72.3	70.5
97.5°	139.6	138.3	136.8	135.2	133.7	132.1	130.7	129.4	127.9	126.6	125.2
100°	176.4	175.6	174.3	172.9	171.6	170.3	168.8	167.2	165.6	164.1	162.5
102.5°	218.5	217.6	215.9	214.1	212.4	210.6	209.3	208.3	207.4	206.4	205.5
105°	281.9	281.9	279.6	277.1	274.7	272.4	270.9	270.4	269.8	269.3	268.8
107.5°	349.0	348.1	347.1	346.2	345.2	344.3	343.6	343.3	343.0	342.7	342.4
110°	394.1	393.0	392.4	392.0	391.4	390.9	390.4	389.8	389.3	388.8	388.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	439.2	437.9	437.8	437.7	437.6	437.5	437.3	437.0	436.7	436.3	436.0
115°	509.1	508.9	509.5	509.9	510.5	511.0	510.9	510.1	509.3	508.5	507.7
117.5°	579.1	579.2	579.8	580.5	581.2	581.9	581.9	581.5	580.9	580.4	579.9
120°	625.7	626.0	627.2	628.6	629.9	631.3	631.1	629.5	628.0	626.4	624.8
122.5°	673.0	673.8	674.5	675.1	675.8	676.5	676.3	675.1	673.9	672.7	671.6
125°	743.1	744.3	744.7	745.3	745.8	746.3	746.2	745.4	744.7	743.8	743.0
127.5°	812.5	814.0	814.6	815.2	815.7	816.3	815.8	814.0	812.4	810.6	809.0
130°	857.9	858.9	859.7	860.5	861.3	862.1	861.4	859.3	857.1	855.1	852.9
132.5°	902.5	903.8	904.4	905.0	905.5	906.2	905.4	903.2	901.1	899.0	896.9
135°	968.9	970.0	970.3	970.5	970.8	971.1	970.4	968.8	967.2	965.6	964.0
137.5°	1034.1	1035.2	1034.5	1033.8	1033.2	1032.5	1031.4	1030.2	1028.8	1027.5	1026.1
140°	1076.0	1076.3	1076.0	1075.8	1075.5	1075.2	1074.4	1073.1	1071.8	1070.5	1069.1
142.5°	1116.2	1116.4	1115.9	1115.5	1115.0	1114.5	1113.6	1112.3	1111.0	1109.6	1108.3
145°	1175.2	1175.4	1174.6	1173.9	1173.1	1172.3	1171.6	1171.1	1170.5	1170.1	1169.5
147.5°	1230.7	1230.7	1229.9	1229.2	1228.4	1227.6	1226.9	1225.9	1224.9	1223.9	1223.0
150°	1265.0	1265.0	1264.5	1264.0	1263.5	1262.9	1262.4	1261.9	1261.3	1260.8	1260.3
152.5°	1296.1	1295.6	1295.3	1295.0	1294.7	1294.3	1293.8	1293.1	1292.4	1291.6	1290.9
155°	1341.4	1340.3	1340.1	1339.7	1339.5	1339.3	1339.1	1339.1	1339.1	1339.1	1339.1
157.5°	1380.9	1379.7	1379.5	1379.3	1379.1	1378.9	1379.0	1379.3	1379.6	1379.9	1380.2
160°	1404.9	1403.6	1403.6	1403.6	1403.6	1403.6	1403.9	1404.4	1404.9	1405.5	1406.0
162.5°	1427.9	1426.6	1426.3	1426.2	1425.9	1425.7	1426.0	1426.7	1427.4	1428.2	1428.9
165°	1456.6	1455.0	1455.0	1455.0	1455.0	1455.0	1455.4	1456.2	1457.0	1457.8	1458.6
167.5°	1480.0	1478.4	1478.2	1478.0	1477.7	1477.6	1478.0	1479.0	1480.1	1481.1	1482.3
170°	1492.7	1490.8	1490.8	1490.8	1490.8	1490.8	1491.4	1492.4	1493.5	1494.5	1495.6
172.5°	1503.0	1501.3	1501.3	1501.3	1501.3	1501.3	1501.9	1502.9	1504.0	1505.1	1506.1
175°	1513.9	1512.4	1512.4	1512.4	1512.4	1512.4	1512.8	1513.9	1515.0	1516.1	1517.1
177.5°	1519.1	1517.8	1517.8	1517.8	1517.8	1517.8	1518.2	1519.1	1520.0	1520.8	1521.6
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	630.1	631.3	635.4	638.3	641.7	643.7	645.6	647.1	649.0	649.5	656.6
5°	632.9	639.0	649.6	657.4	667.2	677.8	685.1	688.4	697.2	704.5	719.1
7.5°	632.1	645.0	661.1	677.7	695.5	712.0	726.4	743.3	755.4	773.6	791.5
10°	631.4	648.6	669.3	690.5	715.4	738.5	759.1	782.2	801.3	826.5	848.0
12.5°	629.2	650.1	678.7	703.9	734.1	765.9	796.5	826.1	843.0	884.9	904.8
15°	623.8	648.6	684.4	722.7	764.3	801.9	840.7	871.6	921.7	958.5	981.8
17.5°	613.5	648.3	690.8	736.9	787.4	837.0	881.0	928.0	981.1	1025.5	1072.9
20°	608.6	646.8	694.2	745.1	797.6	853.7	903.8	960.3	1018.2	1061.9	1122.6
22.5°	599.7	642.9	694.0	750.8	806.8	864.9	923.5	980.4	1047.3	1107.6	1165.3
25°	584.9	633.5	686.3	749.7	815.6	873.8	943.9	1019.5	1089.3	1166.6	1224.2
27.5°	569.6	621.4	674.3	733.2	804.1	873.2	961.4	1046.7	1132.0	1198.9	1241.5
30°	557.6	608.0	662.7	722.1	792.2	874.4	973.0	1066.1	1149.3	1206.7	1230.6
32.5°	544.8	595.9	644.2	706.5	781.3	873.7	980.3	1077.5	1150.2	1188.4	1183.8
35°	524.6	567.4	614.4	674.5	762.5	868.3	984.5	1078.6	1123.2	1115.0	1053.1
37.5°	495.4	531.5	577.7	643.5	740.6	857.1	976.0	1046.6	1043.7	977.0	887.3
40°	477.3	507.9	552.5	621.7	723.6	849.9	962.7	1008.5	969.7	876.5	769.1
42.5°	453.4	481.6	526.2	597.4	705.0	835.0	937.2	950.5	874.5	767.3	668.9
45°	416.6	441.5	487.6	561.0	676.9	802.8	875.0	842.6	740.3	629.5	554.6
47.5°	376.9	402.8	447.2	522.6	636.4	754.3	788.7	719.7	614.7	524.9	456.1
50°	352.0	376.8	420.2	496.4	609.0	714.5	728.8	639.6	543.1	464.2	407.7
52.5°	326.7	350.1	392.8	469.2	576.9	668.4	659.6	568.7	480.0	412.7	368.4
55°	289.1	311.3	352.0	423.6	521.6	594.1	562.2	475.5	402.0	349.8	316.2
57.5°	255.6	276.8	311.8	376.5	461.7	511.5	471.0	397.9	339.5	299.4	274.3
60°	232.7	251.5	284.9	345.0	419.0	456.9	416.8	352.3	303.1	270.9	248.5
62.5°	211.1	227.5	258.4	312.9	377.2	409.1	368.6	313.9	272.0	243.5	224.4
65°	178.4	193.3	220.5	263.1	315.8	337.1	302.2	257.9	225.5	204.2	191.5
67.5°	148.5	161.1	184.7	218.2	257.1	272.5	246.0	211.7	187.2	170.2	160.0
70°	128.7	139.6	158.0	186.9	222.1	233.9	209.1	180.9	163.0	149.2	139.9
72.5°	111.9	119.9	136.7	159.0	188.4	197.7	180.4	155.6	138.9	128.7	121.2
75°	85.2	91.9	102.8	120.7	141.1	146.6	133.5	118.0	106.8	99.5	93.7
77.5°	61.5	66.4	74.3	85.3	99.4	104.3	96.1	85.7	77.6	72.6	69.4
80°	46.4	50.4	57.0	66.1	74.6	77.4	72.5	64.6	58.9	56.2	53.4
82.5°	34.3	36.5	40.6	46.7	52.5	55.8	51.7	46.9	43.8	41.4	40.3
85°	17.3	18.5	20.4	22.7	26.4	27.6	26.1	24.9	23.1	21.5	21.5
87.5°	7.1	7.6	8.9	9.9	11.5	12.9	13.3	13.5	14.0	13.9	13.9
90°	3.9	6.5	9.2	11.8	14.9	18.3	21.8	25.2	28.7	29.7	30.8
92.5°	30.7	32.5	34.3	36.1	38.0	40.0	41.9	43.9	45.9	46.7	47.5
95°	72.3	74.2	76.0	78.0	79.9	82.0	84.1	86.3	88.4	89.4	90.5
97.5°	126.6	127.9	129.4	130.7	132.1	133.7	135.2	136.8	138.3	139.6	140.8
100°	164.1	165.6	167.2	168.8	170.3	171.6	172.9	174.3	175.6	176.4	177.2
102.5°	206.4	207.4	208.3	209.3	210.6	212.4	214.1	215.9	217.6	218.5	219.3
105°	269.3	269.8	270.4	270.9	272.4	274.7	277.1	279.6	281.9	281.9	281.9
107.5°	342.7	343.0	343.3	343.6	344.3	345.2	346.2	347.1	348.1	349.0	349.8
110°	388.8	389.3	389.8	390.4	390.9	391.4	392.0	392.4	393.0	394.1	395.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	436.3	436.7	437.0	437.3	437.5	437.6	437.7	437.8	437.9	439.2	440.5
115°	508.5	509.3	510.1	510.9	511.0	510.5	509.9	509.5	508.9	509.1	509.5
117.5°	580.4	580.9	581.5	581.9	581.9	581.2	580.5	579.8	579.2	579.1	579.0
120°	626.4	628.0	629.5	631.1	631.3	629.9	628.6	627.2	626.0	625.7	625.4
122.5°	672.7	673.9	675.1	676.3	676.5	675.8	675.1	674.5	673.8	673.0	672.3
125°	743.8	744.7	745.4	746.2	746.3	745.8	745.3	744.7	744.3	743.1	742.1
127.5°	810.6	812.4	814.0	815.8	816.3	815.7	815.2	814.6	814.0	812.5	811.0
130°	855.1	857.1	859.3	861.4	862.1	861.3	860.5	859.7	858.9	857.9	856.7
132.5°	899.0	901.1	903.2	905.4	906.2	905.5	905.0	904.4	903.8	902.5	901.3
135°	965.6	967.2	968.8	970.4	971.1	970.8	970.5	970.3	970.0	968.9	967.9
137.5°	1027.5	1028.8	1030.2	1031.4	1032.5	1033.2	1033.8	1034.5	1035.2	1034.1	1033.0
140°	1070.5	1071.8	1073.1	1074.4	1075.2	1075.5	1075.8	1076.0	1076.3	1076.0	1075.8
142.5°	1109.6	1111.0	1112.3	1113.6	1114.5	1115.0	1115.5	1115.9	1116.4	1116.2	1115.9
145°	1170.1	1170.5	1171.1	1171.6	1172.3	1173.1	1173.9	1174.6	1175.4	1175.2	1174.9
147.5°	1223.9	1224.9	1225.9	1226.9	1227.6	1228.4	1229.2	1229.9	1230.7	1230.7	1230.7
150°	1260.8	1261.3	1261.9	1262.4	1262.9	1263.5	1264.0	1264.5	1265.0	1265.0	1265.0
152.5°	1291.6	1292.4	1293.1	1293.8	1294.3	1294.7	1295.0	1295.3	1295.6	1296.1	1296.5
155°	1339.1	1339.1	1339.1	1339.1	1339.3	1339.5	1339.7	1340.1	1340.3	1341.4	1342.4
157.5°	1379.9	1379.6	1379.3	1379.0	1378.9	1379.1	1379.3	1379.5	1379.7	1380.9	1382.0
160°	1405.5	1404.9	1404.4	1403.9	1403.6	1403.6	1403.6	1403.6	1403.6	1404.9	1406.3
162.5°	1428.2	1427.4	1426.7	1426.0	1425.7	1425.9	1426.2	1426.3	1426.6	1427.9	1429.2
165°	1457.8	1457.0	1456.2	1455.4	1455.0	1455.0	1455.0	1455.0	1455.0	1456.6	1458.2
167.5°	1481.1	1480.1	1479.0	1478.0	1477.6	1477.7	1478.0	1478.2	1478.4	1480.0	1481.7
170°	1494.5	1493.5	1492.4	1491.4	1490.8	1490.8	1490.8	1490.8	1490.8	1492.7	1494.5
172.5°	1505.1	1504.0	1502.9	1501.9	1501.3	1501.3	1501.3	1501.3	1501.3	1503.0	1504.6
175°	1516.1	1515.0	1513.9	1512.8	1512.4	1512.4	1512.4	1512.4	1512.4	1513.9	1515.5
177.5°	1520.8	1520.0	1519.1	1518.2	1517.8	1517.8	1517.8	1517.8	1517.8	1519.1	1520.4
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	659.0	659.3	661.9	663.8	662.9	664.1	664.6
5°	719.9	730.9	736.7	740.9	741.2	741.5	743.9
7.5°	806.4	818.2	826.7	839.7	843.6	848.0	846.8
10°	869.6	886.8	901.7	909.6	918.1	930.5	920.5
12.5°	928.5	959.2	981.8	994.0	1002.1	1004.6	999.7
15°	1025.8	1065.9	1087.4	1086.8	1114.1	1125.9	1107.4
17.5°	1115.0	1152.0	1181.5	1196.7	1219.5	1224.6	1222.3
20°	1169.6	1210.0	1233.0	1259.1	1271.0	1281.6	1283.4
22.5°	1216.7	1252.9	1277.7	1299.4	1309.3	1314.3	1317.4
25°	1265.2	1293.7	1308.6	1316.1	1318.9	1318.3	1314.3
27.5°	1261.9	1264.0	1247.7	1231.6	1217.2	1200.9	1195.4
30°	1229.1	1203.6	1158.1	1132.3	1094.4	1064.3	1076.5
32.5°	1142.9	1092.2	1041.1	984.7	938.0	924.8	911.4
35°	975.4	886.2	834.1	773.4	749.1	724.8	708.1
37.5°	789.2	720.2	658.2	618.5	594.2	578.9	570.6
40°	682.4	620.1	569.2	537.0	518.5	501.2	498.8
42.5°	597.1	539.3	501.0	475.4	457.6	450.3	444.9
45°	489.1	448.7	422.9	404.7	392.9	388.3	382.3
47.5°	414.0	385.5	366.1	353.7	344.8	341.4	340.9
50°	372.0	348.3	334.1	324.3	317.3	316.2	311.3
52.5°	340.4	319.9	308.8	300.3	295.2	291.8	290.4
55°	295.5	281.9	271.9	267.0	263.1	259.7	259.7
57.5°	258.6	247.2	240.5	236.4	235.2	232.8	231.3
60°	235.8	226.0	220.9	217.2	214.8	215.1	212.4
62.5°	213.4	207.1	202.2	198.5	195.7	195.7	195.9
65°	181.7	176.9	173.3	172.1	170.2	168.1	168.7
67.5°	154.0	149.5	146.6	144.6	143.9	142.8	144.6
70°	134.1	130.8	128.7	126.8	126.2	126.5	128.0
72.5°	115.9	113.5	112.2	111.3	110.0	110.0	111.1
75°	91.0	89.2	88.0	87.1	86.7	86.7	86.7
77.5°	66.9	66.5	65.9	64.6	64.6	65.0	65.0
80°	52.8	51.9	51.6	50.9	50.1	49.4	50.9
82.5°	39.5	38.5	38.3	38.1	36.7	36.6	37.9
85°	21.2	20.4	20.6	20.4	20.4	20.0	20.0
87.5°	13.9	13.9	13.8	14.1	14.0	13.9	14.4
90°	31.8	33.0	33.7	34.2	34.8	35.3	35.8
92.5°	48.4	49.3	49.5	49.2	48.9	48.6	48.2
95°	91.6	92.6	93.2	93.2	93.2	93.2	93.2
97.5°	142.0	143.2	143.8	143.7	143.5	143.5	143.4
100°	178.0	178.8	179.4	180.0	180.5	181.0	181.6
102.5°	220.1	220.9	221.2	221.1	220.9	220.9	220.8
105°	281.9	281.9	282.2	282.7	283.3	283.8	284.3
107.5°	350.6	351.5	351.7	351.4	351.1	350.8	350.5
110°	396.2	397.3	397.5	397.0	396.5	395.9	395.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	441.7	443.0	443.6	443.5	443.4	443.3	443.1
115°	509.7	509.9	509.9	509.7	509.5	509.1	508.9
117.5°	579.0	578.9	578.5	577.7	577.0	576.3	575.5
120°	625.2	624.9	624.5	624.0	623.4	622.9	622.3
122.5°	671.7	671.0	670.3	669.6	668.8	668.0	667.3
125°	741.0	740.0	738.9	737.8	736.8	735.7	734.7
127.5°	809.5	808.0	806.7	805.5	804.2	803.0	801.8
130°	855.7	854.7	853.2	851.4	849.5	847.6	845.7
132.5°	900.0	898.7	897.4	896.0	894.5	893.0	891.6
135°	966.8	965.7	965.0	964.4	963.8	963.4	962.8
137.5°	1031.9	1030.8	1029.7	1028.6	1027.7	1026.7	1025.6
140°	1075.5	1075.2	1074.2	1072.3	1070.5	1068.6	1066.8
142.5°	1115.6	1115.4	1114.5	1113.1	1111.7	1110.2	1108.8
145°	1174.6	1174.4	1173.7	1172.7	1171.6	1170.5	1169.5
147.5°	1230.7	1230.7	1229.9	1228.3	1226.7	1225.0	1223.4
150°	1265.0	1265.0	1264.2	1262.7	1261.1	1259.5	1257.9
152.5°	1296.9	1297.4	1296.9	1295.5	1294.1	1292.7	1291.3
155°	1343.5	1344.6	1344.2	1342.3	1340.5	1338.6	1336.7
157.5°	1383.1	1384.2	1384.0	1382.5	1381.0	1379.5	1378.1
160°	1407.6	1408.9	1409.1	1408.0	1406.9	1405.9	1404.8
162.5°	1430.5	1431.9	1431.7	1430.0	1428.3	1426.6	1424.9
165°	1459.8	1461.3	1461.3	1459.4	1457.5	1455.6	1453.8
167.5°	1483.4	1484.9	1484.9	1483.4	1481.7	1480.0	1478.4
170°	1496.4	1498.3	1498.3	1496.4	1494.5	1492.7	1490.8
172.5°	1506.3	1507.9	1507.8	1505.9	1504.1	1502.2	1500.4
175°	1517.1	1518.7	1518.5	1516.7	1514.8	1513.0	1511.2
177.5°	1521.6	1522.9	1522.8	1521.3	1519.8	1518.4	1516.9
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7

(END OF REPORT)