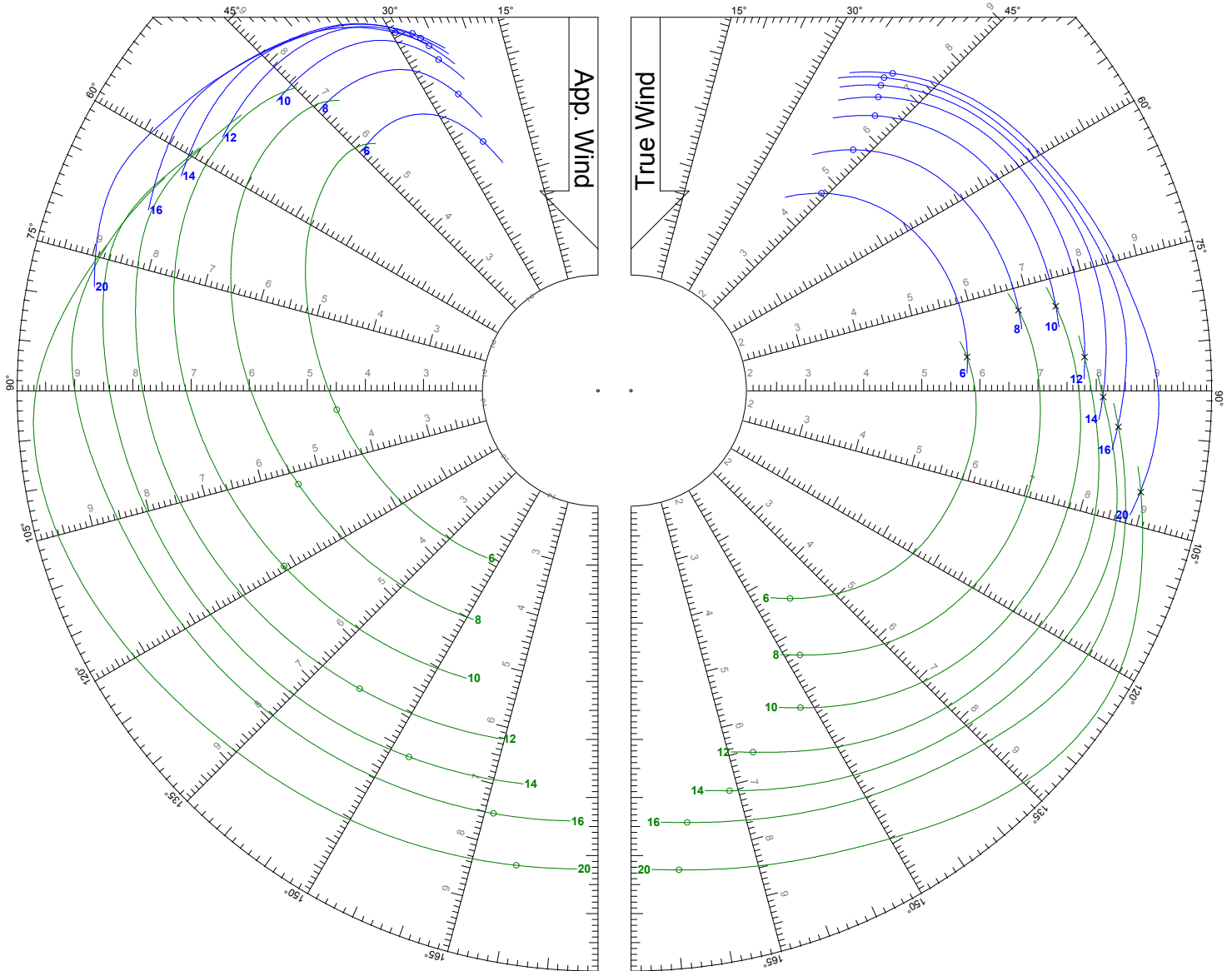




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# Speed Guide



## Polar Plot for Boat

Name **D11A\_01**  
Sail Number  
Class **Dehler 37**  
Designer **judel/vrolijk & co**  
Builder **Dehler Yachts**  
Issued On **18/10/2012 - VPP 2012 1.01**

TWS: 6, 8, 10, 12, 14, 16, 20 kts

**Jib**

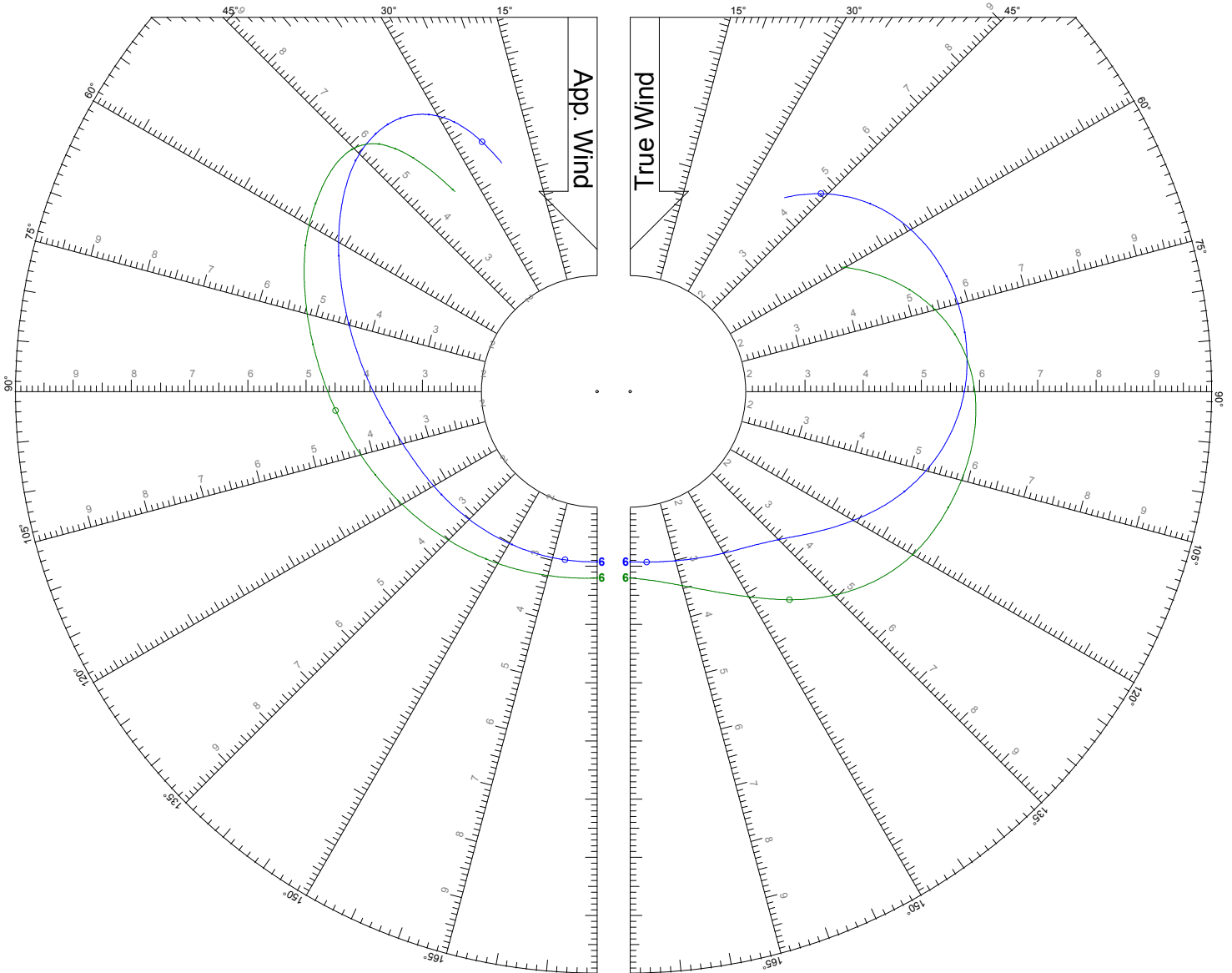
**Symmetric Spinnaker**



ORC

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# Speed Guide



## Polar Plot for Boat

Name **D11A\_01**  
Sail Number  
Class **Dehler 37**  
Designer **jude/vrolijk & co**  
Builder **Dehler Yachts**  
Issued On **18/10/2012 - VPP 2012 1.01**

TWS: 6 kts

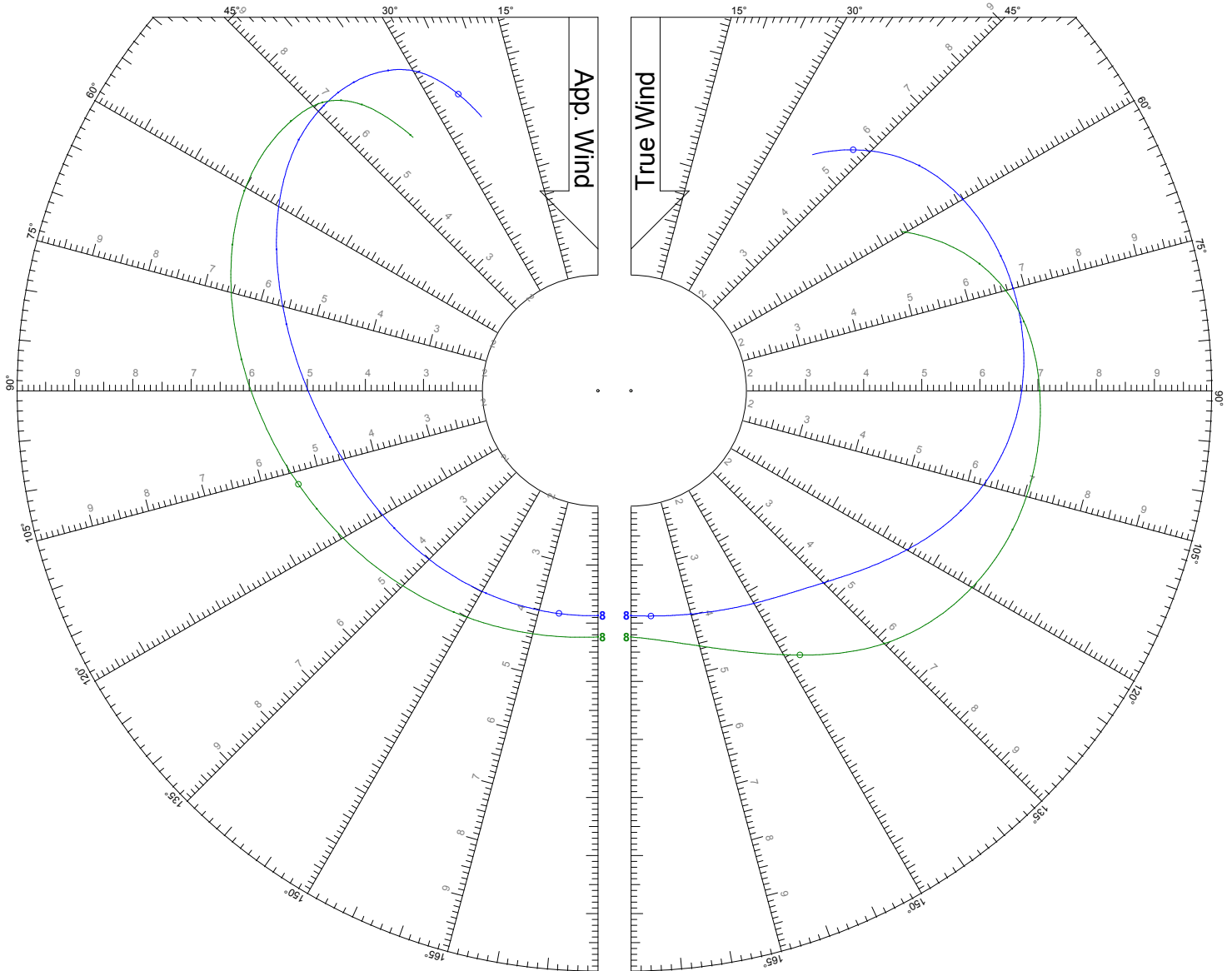
**Jib**

**Symmetric Spinnaker**



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# Speed Guide



## Polar Plot for Boat

Name **D11A\_01**  
Sail Number  
Class **Dehler 37**  
Designer **judel/vrolijk & co**  
Builder **Dehler Yachts**  
Issued On **18/10/2012 - VPP 2012 1.01**

TWS: 8 kts

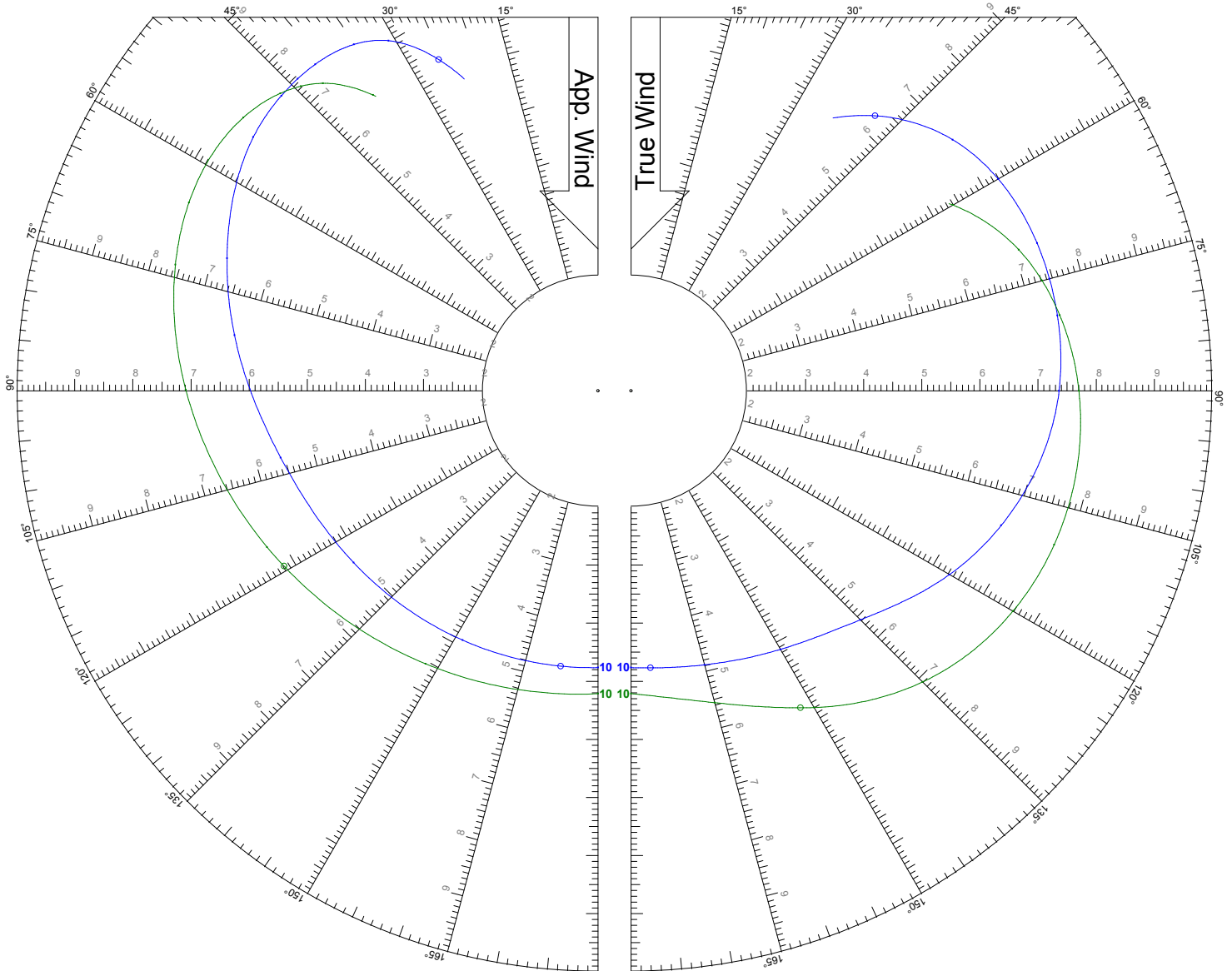
**Jib**

**Symmetric Spinnaker**



World Leader in Rating Technology

# Speed Guide



## Polar Plot for Boat

Name **D11A\_01**  
Sail Number  
Class **Dehler 37**  
Designer **judel/vrolijk & co**  
Builder **Dehler Yachts**  
Issued On **18/10/2012 - VPP 2012 1.01**

TWS: 10 kts

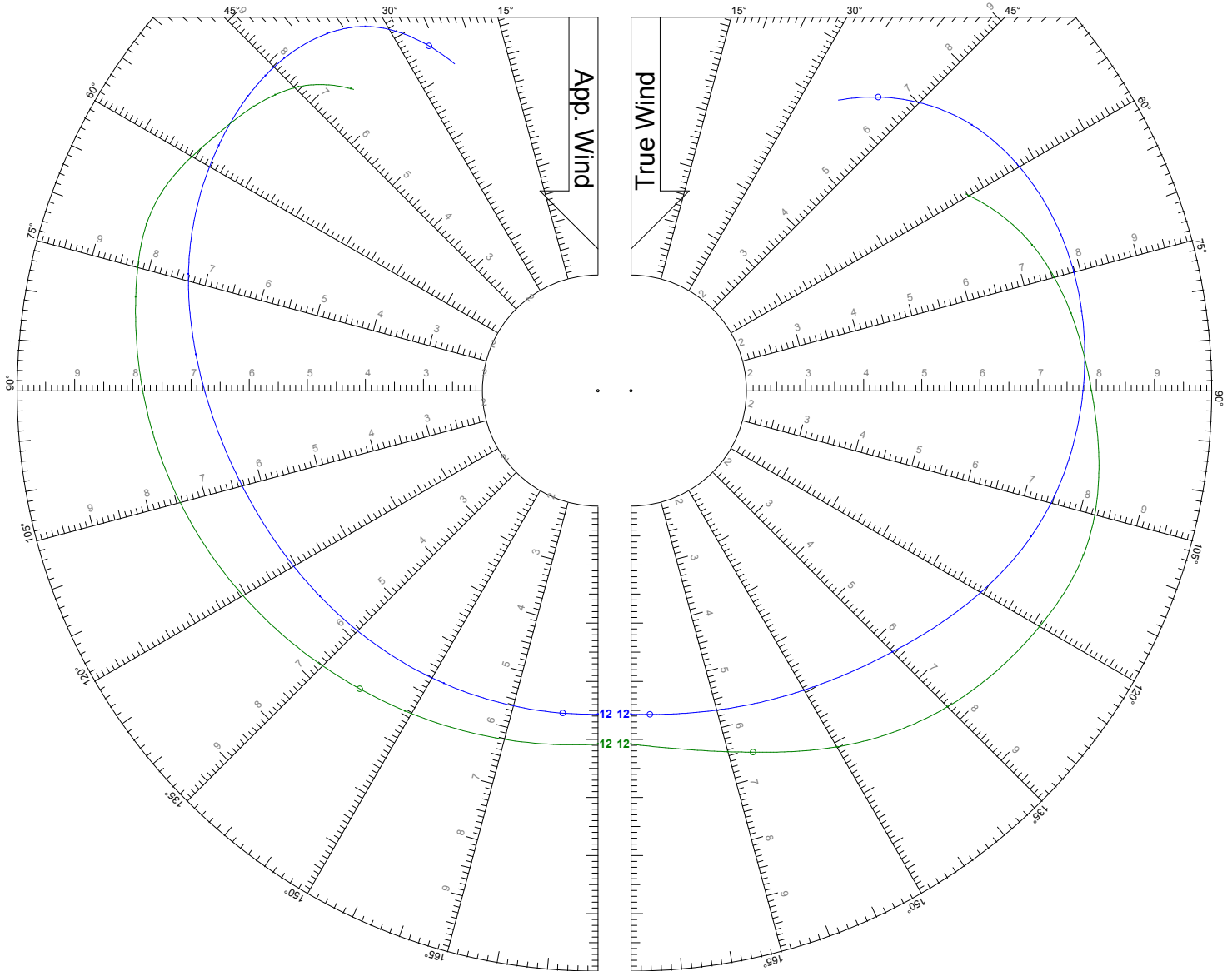
**Jib**

**Symmetric Spinnaker**



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### Polar Plot for Boat

Name **D11A\_01**  
Sail Number  
Class **Dehler 37**  
Designer **judel/vrolijk & co**  
Builder **Dehler Yachts**  
Issued On **18/10/2012 - VPP 2012 1.01**

**TWS: 12 kts**

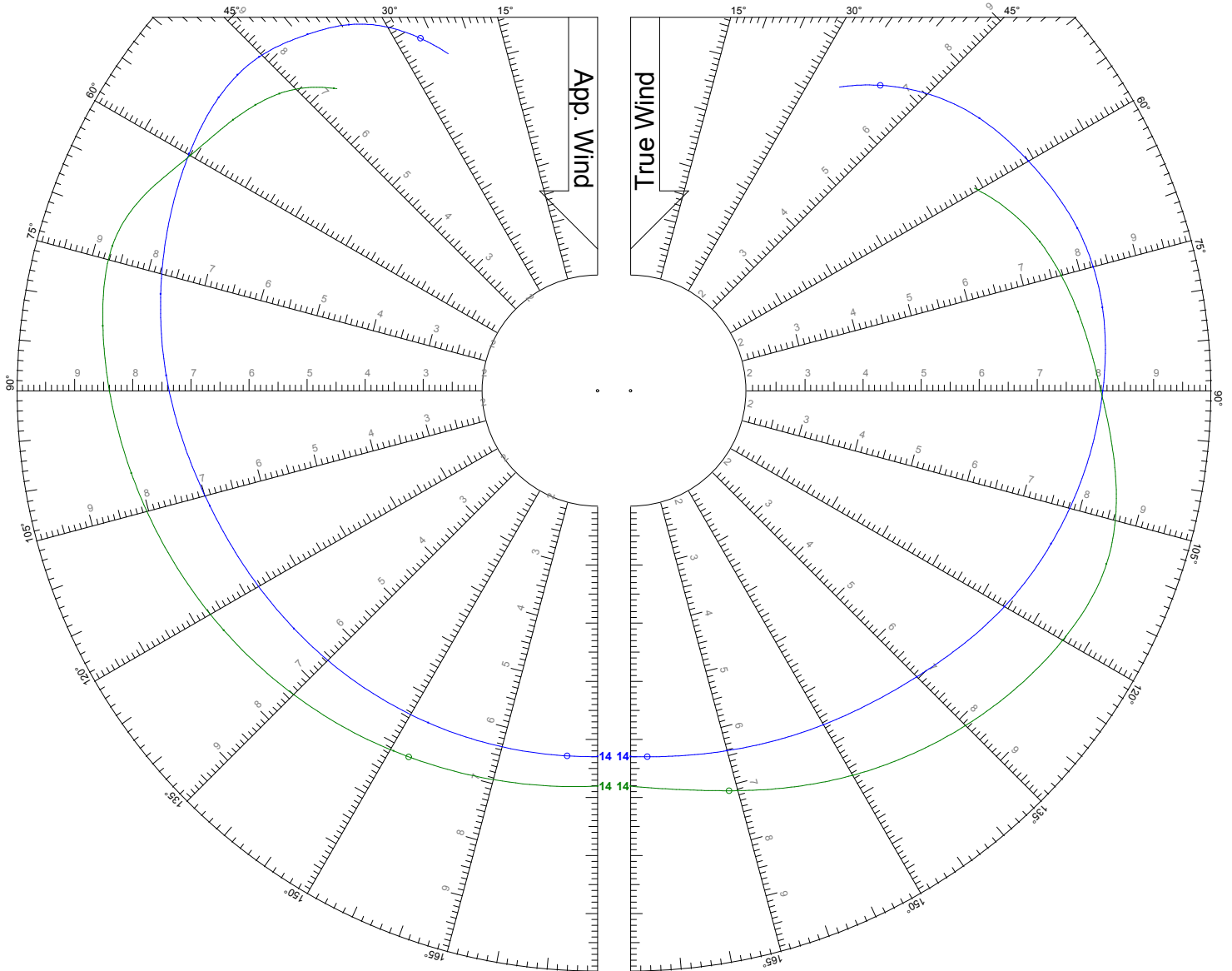
**Jib**

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Polar Plot for Boat	
Name	D11A_01
Sail Number	
Class	Dehler 37
Designer	judel/vrolijk & co
Builder	Dehler Yachts
Issued On	18/10/2012 - VPP 2012 1.01

TWS: 14 kts

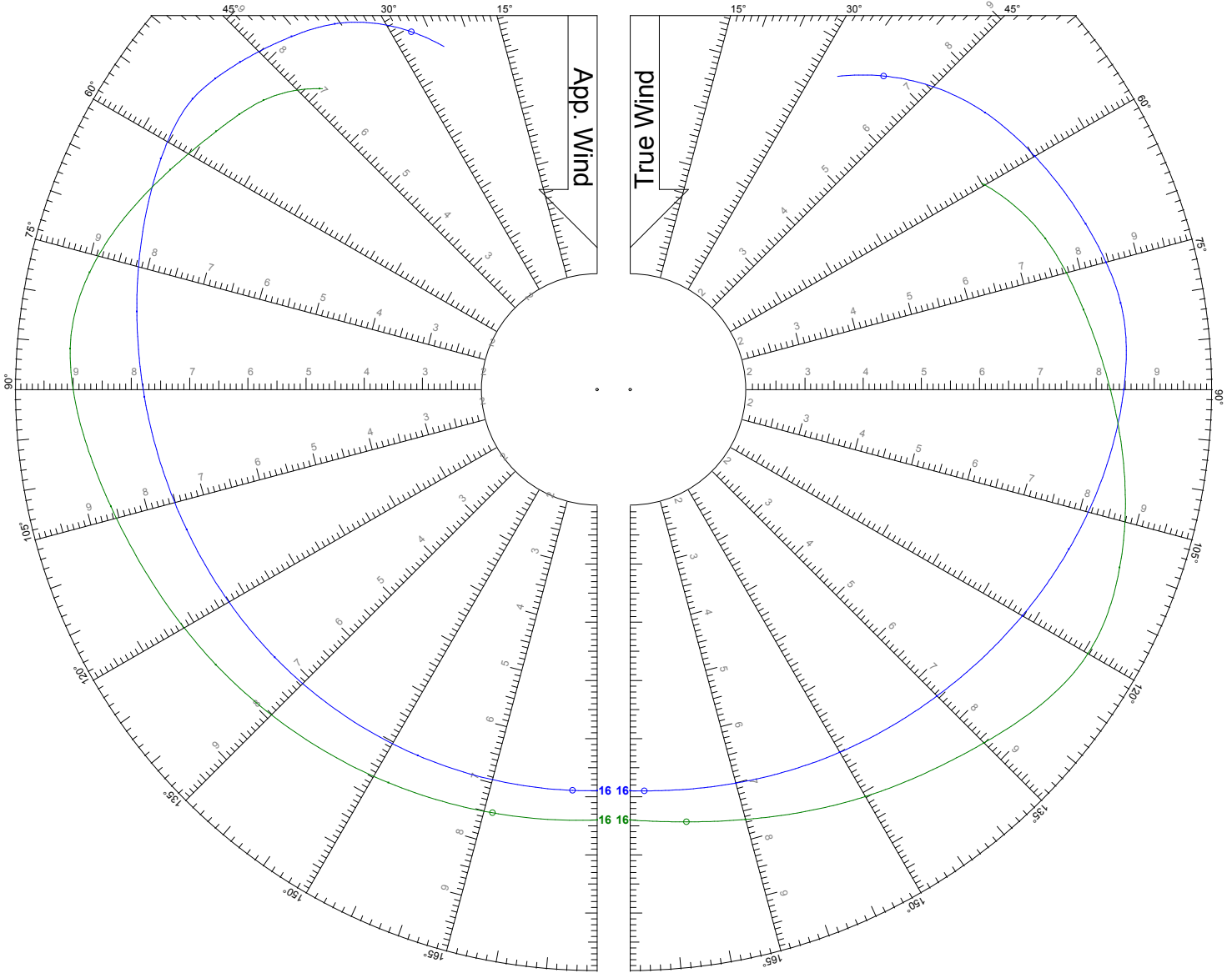
Jib

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### Polar Plot for Boat

Name **D11A\_01**  
Sail Number  
Class **Dehler 37**  
Designer **judel/vrolijk & co**  
Builder **Dehler Yachts**  
Issued On **18/10/2012 - VPP 2012 1.01**

**TWS: 16 kts**

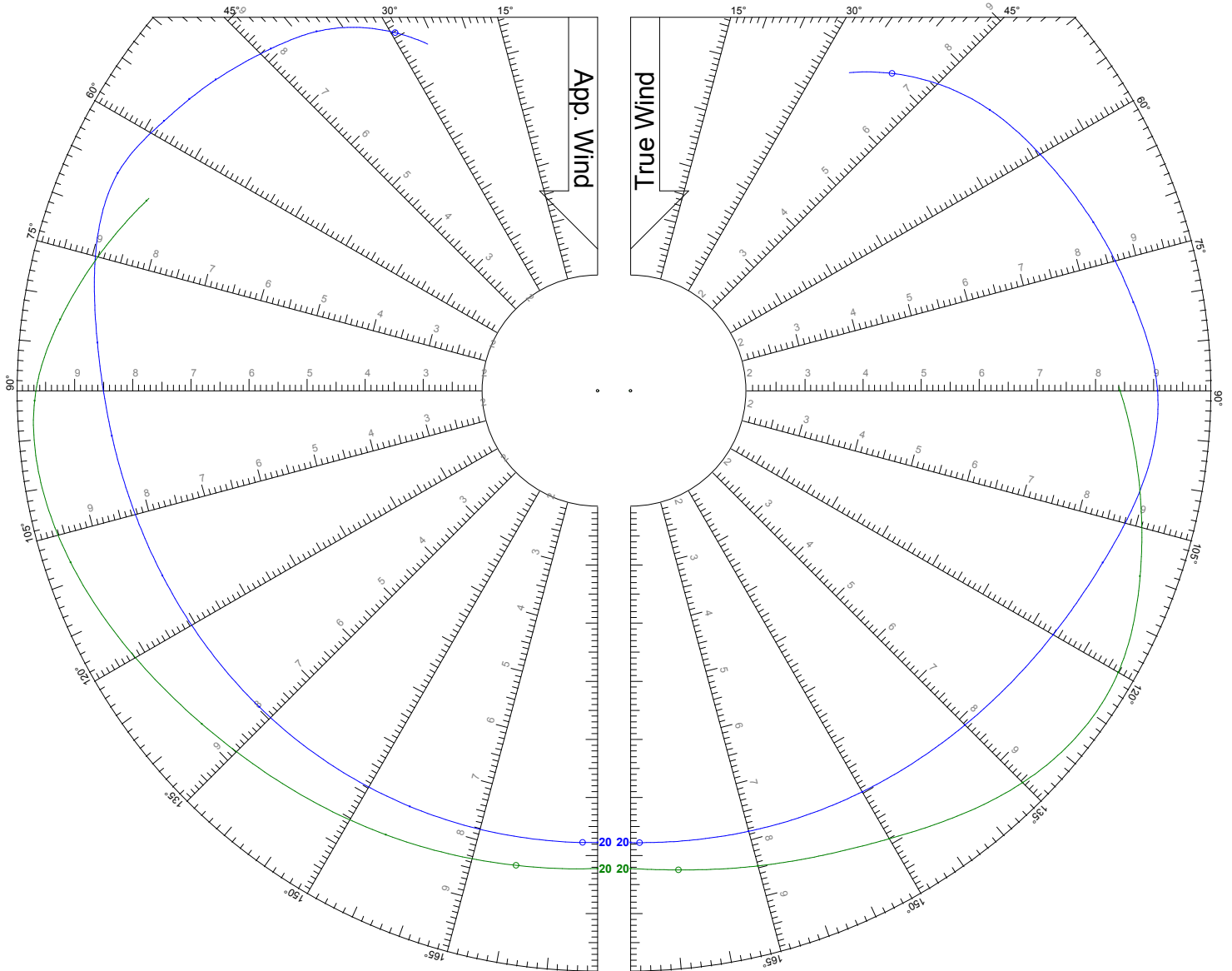
**Jib**

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## Polar Plot for Boat

Name **D11A\_01**  
Sail Number  
Class **Dehler 37**  
Designer **judel/vrolijk & co**  
Builder **Dehler Yachts**  
Issued On **18/10/2012 - VPP 2012 1.01**

**TWS: 20 kts**

**Jib**

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**Polar Tables**

Boat Name: **D11A\_01**

Sail No:

Sail: **Best Performance**

Issued On: **18/10/2012 - VPP 2012 1.01**

**TWS = 6 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.0° (b)	4.72	3.40	9.95	24.7°	4.3°	1.00	1.00
52°	5.24	3.22	10.10	27.9°	4.3°	1.00	1.00
60°	5.56	2.78	10.02	31.2°	4.2°	1.00	1.00
70°	5.78	1.98	9.65	35.7°	3.9°	1.00	1.00
75°	5.83	1.51	9.39	38.1°	3.6°	1.00	1.00
80°	5.84	1.01	9.07	40.7°	3.4°	1.00	1.00
90°	5.92	0.00	8.43	45.4°	13.0°	1.00	1.00
110°	5.81	1.99	6.78	56.3°	11.8°	1.00	1.00
120°	5.60	2.80	5.81	63.4°	11.1°	1.00	1.00
135°	4.95	3.50	4.30	80.6°	8.6°	1.00	1.00
150°	4.07	3.52	3.20	110.6°	6.9°	1.00	1.00
165°	3.45	3.33	2.81	146.5°	6.3°	1.00	1.00
180°	3.20	3.20	2.80	180.0°	6.1°	1.00	1.00
142.6° (r)	4.50	3.57	3.66	94.1°	7.6°	1.00	1.00

**TWS = 8 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.7° (b)	5.64	4.15	12.73	25.2°	9.2°	1.00	1.00
52°	6.29	3.87	12.87	29.3°	9.3°	1.00	1.00
60°	6.59	3.29	12.65	33.2°	8.5°	1.00	1.00
70°	6.77	2.32	12.12	38.3°	6.8°	1.00	1.00
75°	6.80	1.76	11.77	41.0°	5.8°	1.00	1.00
80°	6.86	1.19	11.41	43.7°	17.0°	1.00	1.00
90°	7.03	0.00	10.65	48.7°	16.3°	1.00	1.00
110°	6.99	2.39	8.64	60.5°	13.9°	1.00	1.00
120°	6.77	3.39	7.46	68.2°	12.1°	1.00	1.00
135°	6.16	4.35	5.68	85.0°	10.3°	1.00	1.00
150°	5.25	4.54	4.34	112.8°	7.6°	1.00	1.00
165°	4.55	4.39	3.80	146.9°	6.6°	1.00	1.00
180°	4.24	4.24	3.76	180.0°	6.1°	1.00	1.00
147.4° (r)	5.40	4.55	4.51	107.4°	7.9°	1.00	1.00

**TWS = 10 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.6° (b)	6.32	4.73	15.32	25.7°	17.2°	1.00	1.00
52°	7.02	4.32	15.35	30.9°	16.8°	1.00	1.00
60°	7.29	3.65	15.04	35.2°	15.1°	1.00	1.00
70°	7.43	2.54	14.35	40.9°	12.1°	1.00	1.00
75°	7.45	1.93	13.93	43.9°	10.5°	1.00	1.00
80°	7.49	1.30	13.49	46.9°	26.8°	1.00	0.94
90°	7.70	0.00	12.62	52.4°	25.2°	1.00	1.00
110°	7.75	2.65	10.34	65.3°	16.1°	1.00	1.00
120°	7.59	3.79	9.04	73.4°	13.4°	1.00	1.00
135°	7.09	5.01	7.07	89.9°	11.2°	1.00	1.00
150°	6.30	5.45	5.53	115.3°	8.5°	1.00	1.00
165°	5.56	5.37	4.85	147.7°	6.9°	1.00	1.00
180°	5.21	5.21	4.79	180.0°	6.2°	1.00	1.00
151.9° (r)	6.19	5.46	5.40	119.2°	8.2°	1.00	1.00

**TWS = 12 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.1° (b)	6.61	5.05	17.58	26.1°	21.6°	1.00	0.89
52°	7.44	4.58	17.58	32.5°	25.6°	1.00	0.98
60°	7.71	3.86	17.21	37.2°	23.4°	1.00	1.00
70°	7.87	2.69	16.44	43.3°	18.5°	1.00	1.00
75°	7.88	2.04	15.97	46.5°	16.0°	1.00	1.00
80°	7.87	1.37	15.45	49.9°	13.4°	1.00	1.00
90°	7.92	0.00	14.38	56.6°	26.8°	0.91	1.00
110°	8.28	2.83	12.02	69.7°	19.2°	1.00	1.00
120°	8.11	4.06	10.60	78.5°	15.4°	1.00	1.00
135°	7.69	5.44	8.52	95.3°	11.9°	1.00	1.00
150°	7.08	6.13	6.85	118.9°	9.6°	1.00	1.00
165°	6.43	6.21	6.02	149.0°	7.3°	1.00	1.00
180°	6.08	6.08	5.92	180.0°	6.3°	1.00	1.00
161.3° (r)	6.57	6.22	6.15	141.4°	7.7°	1.00	1.00

**TWS = 14 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.3° (b)	6.79	5.26	19.73	26.7°	23.2°	1.00	0.76
52°	7.62	4.69	19.63	34.2°	27.0°	1.00	0.85
60°	7.91	3.95	19.21	39.1°	28.3°	1.00	0.92
70°	8.18	2.80	18.47	45.4°	27.0°	1.00	1.00
75°	8.24	2.13	17.99	48.7°	23.0°	1.00	1.00
80°	8.25	1.43	17.44	52.2°	19.1°	1.00	1.00
90°	8.13	0.00	16.19	59.9°	12.3°	1.00	1.00
110°	8.72	2.98	13.73	73.4°	26.9°	0.99	1.00
120°	8.59	4.29	12.23	82.5°	16.7°	1.00	1.00
135°	8.15	5.76	10.05	100.0°	12.6°	1.00	1.00
150°	7.64	6.62	8.31	122.6°	10.6°	1.00	1.00
165°	7.13	6.88	7.35	150.5°	7.9°	1.00	1.00
180°	6.81	6.81	7.20	180.0°	6.4°	1.00	1.00
166.2° (r)	7.09	6.88	7.32	152.7°	7.7°	1.00	1.00

**TWS = 16 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.9° (b)	6.93	5.39	21.83	27.4°	24.4°	1.00	0.66
52°	7.73	4.76	21.64	35.6°	27.9°	1.00	0.73
60°	8.02	4.01	21.18	40.9°	29.1°	1.00	0.80
70°	8.32	2.85	20.41	47.5°	30.0°	1.00	0.90
75°	8.46	2.19	19.94	50.8°	30.3°	1.00	0.97
80°	8.56	1.49	19.41	54.3°	26.6°	1.00	1.00
90°	8.48	0.00	18.11	62.1°	16.8°	1.00	1.00
110°	8.95	3.06	15.43	77.0°	26.9°	0.93	1.00
120°	9.08	4.54	13.90	85.6°	21.5°	1.00	1.00
135°	8.59	6.07	11.64	103.5°	13.9°	1.00	1.00
150°	8.08	7.00	9.87	125.8°	11.1°	1.00	1.00
165°	7.65	7.39	8.83	152.0°	8.5°	1.00	1.00
180°	7.40	7.40	8.60	180.0°	6.6°	1.00	1.00
172.6° (r)	7.49	7.43	8.62	166.1°	7.4°	1.00	1.00

**TWS = 20 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.5° (b)	7.08	5.46	25.86	29.5°	26.4°	0.71	0.60
52°	7.85	4.83	25.59	38.0°	28.4°	0.87	0.60
60°	8.14	4.07	25.08	43.7°	30.1°	1.00	0.61
70°	8.48	2.90	24.24	50.8°	30.8°	1.00	0.70
75°	8.63	2.23	23.75	54.4°	31.0°	1.00	0.76
80°	8.79	1.53	23.20	58.1°	31.2°	1.00	0.83
90°	9.07	0.00	21.96	65.6°	30.2°	1.00	1.00
110°	9.33	3.19	18.96	82.5°	26.9°	0.83	1.00
120°	9.69	4.85	17.32	91.0°	26.9°	0.92	1.00
135°	9.54	6.75	14.87	108.0°	16.6°	1.00	1.00
150°	8.90	7.71	13.07	130.1°	12.2°	1.00	1.00
165°	8.47	8.18	12.02	154.5°	10.2°	1.00	1.00
180°	8.22	8.22	11.78	180.0°	7.0°	1.00	1.00
174.3° (r)	8.29	8.25	11.78	170.3°	8.0°	1.00	1.00



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### Polar Tables

Boat Name: **D11A\_01**

Sail No:

Sail: **Best Performance**

Issued On: **18/10/2012 - VPP 2012 1.01**

### TWS = 6 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.0° (b)	4.72	3.40	9.95	24.7°	4.3°	1.00	1.00
52°	5.24	3.22	10.10	27.9°	4.3°	1.00	1.00
60°	5.56	2.78	10.02	31.2°	4.2°	1.00	1.00
70°	5.78	1.98	9.65	35.7°	3.9°	1.00	1.00
75°	5.83	1.51	9.39	38.1°	3.6°	1.00	1.00
80°	5.84	1.01	9.07	40.7°	3.4°	1.00	1.00
90°	5.92	0.00	8.43	45.4°	13.0°	1.00	1.00
110°	5.81	1.99	6.78	56.3°	11.8°	1.00	1.00
120°	5.60	2.80	5.81	63.4°	11.1°	1.00	1.00
135°	4.95	3.50	4.30	80.6°	8.6°	1.00	1.00
150°	4.07	3.52	3.20	110.6°	6.9°	1.00	1.00
165°	3.45	3.33	2.81	146.5°	6.3°	1.00	1.00
180°	3.20	3.20	2.80	180.0°	6.1°	1.00	1.00
142.6° (r)	4.50	3.57	3.66	94.1°	7.6°	1.00	1.00

### TWS = 8 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.7° (b)	5.64	4.15	12.73	25.2°	9.2°	1.00	1.00
52°	6.29	3.87	12.87	29.3°	9.3°	1.00	1.00
60°	6.59	3.29	12.65	33.2°	8.5°	1.00	1.00
70°	6.77	2.32	12.12	38.3°	6.8°	1.00	1.00
75°	6.80	1.76	11.77	41.0°	5.8°	1.00	1.00
80°	6.86	1.19	11.41	43.7°	17.0°	1.00	1.00
90°	7.03	0.00	10.65	48.7°	16.3°	1.00	1.00
110°	6.99	2.39	8.64	60.5°	13.9°	1.00	1.00
120°	6.77	3.39	7.46	68.2°	12.1°	1.00	1.00
135°	6.16	4.35	5.68	85.0°	10.3°	1.00	1.00
150°	5.25	4.54	4.34	112.8°	7.6°	1.00	1.00
165°	4.55	4.39	3.80	146.9°	6.6°	1.00	1.00
180°	4.24	4.24	3.76	180.0°	6.1°	1.00	1.00
147.4° (r)	5.40	4.55	4.51	107.4°	7.9°	1.00	1.00

### TWS = 10 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.6° (b)	6.32	4.73	15.32	25.7°	17.2°	1.00	1.00
52°	7.02	4.32	15.35	30.9°	16.8°	1.00	1.00
60°	7.29	3.65	15.04	35.2°	15.1°	1.00	1.00
70°	7.43	2.54	14.35	40.9°	12.1°	1.00	1.00
75°	7.45	1.93	13.93	43.9°	10.5°	1.00	1.00
80°	7.49	1.30	13.49	46.9°	26.8°	1.00	0.94
90°	7.70	0.00	12.62	52.4°	25.2°	1.00	1.00
110°	7.75	2.65	10.34	65.3°	16.1°	1.00	1.00
120°	7.59	3.79	9.04	73.4°	13.4°	1.00	1.00
135°	7.09	5.01	7.07	89.9°	11.2°	1.00	1.00
150°	6.30	5.45	5.53	115.3°	8.5°	1.00	1.00
165°	5.56	5.37	4.85	147.7°	6.9°	1.00	1.00
180°	5.21	5.21	4.79	180.0°	6.2°	1.00	1.00
151.9° (r)	6.19	5.46	5.40	119.2°	8.2°	1.00	1.00

### TWS = 12 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.1° (b)	6.61	5.05	17.58	26.1°	21.6°	1.00	0.89
52°	7.44	4.58	17.58	32.5°	25.6°	1.00	0.98
60°	7.71	3.86	17.21	37.2°	23.4°	1.00	1.00
70°	7.87	2.69	16.44	43.3°	18.5°	1.00	1.00
75°	7.88	2.04	15.97	46.5°	16.0°	1.00	1.00
80°	7.87	1.37	15.45	49.9°	13.4°	1.00	1.00
90°	7.92	0.00	14.38	56.6°	26.8°	0.91	1.00
110°	8.28	2.83	12.02	69.7°	19.2°	1.00	1.00
120°	8.11	4.06	10.60	78.5°	15.4°	1.00	1.00
135°	7.69	5.44	8.52	95.3°	11.9°	1.00	1.00
150°	7.08	6.13	6.85	118.9°	9.6°	1.00	1.00
165°	6.43	6.21	6.02	149.0°	7.3°	1.00	1.00
180°	6.08	6.08	5.92	180.0°	6.3°	1.00	1.00
161.3° (r)	6.57	6.22	6.15	141.4°	7.7°	1.00	1.00

### TWS = 14 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.3° (b)	6.79	5.26	19.73	26.7°	23.2°	1.00	0.76
52°	7.62	4.69	19.63	34.2°	27.0°	1.00	0.85
60°	7.91	3.95	19.21	39.1°	28.3°	1.00	0.92
70°	8.18	2.80	18.47	45.4°	27.0°	1.00	1.00
75°	8.24	2.13	17.99	48.7°	23.0°	1.00	1.00
80°	8.25	1.43	17.44	52.2°	19.1°	1.00	1.00
90°	8.13	0.00	16.19	59.9°	12.3°	1.00	1.00
110°	8.72	2.98	13.73	73.4°	26.9°	0.99	1.00
120°	8.59	4.29	12.23	82.5°	16.7°	1.00	1.00
135°	8.15	5.76	10.05	100.0°	12.6°	1.00	1.00
150°	7.64	6.62	8.31	122.6°	10.6°	1.00	1.00
165°	7.13	6.88	7.35	150.5°	7.9°	1.00	1.00
180°	6.81	6.81	7.20	180.0°	6.4°	1.00	1.00
166.2° (r)	7.09	6.88	7.32	152.7°	7.7°	1.00	1.00

### TWS = 16 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.9° (b)	6.93	5.39	21.83	27.4°	24.4°	1.00	0.66
52°	7.73	4.76	21.64	35.6°	27.9°	1.00	0.73
60°	8.02	4.01	21.18	40.9°	29.1°	1.00	0.80
70°	8.32	2.85	20.41	47.5°	30.0°	1.00	0.90
75°	8.46	2.19	19.94	50.8°	30.3°	1.00	0.97
80°	8.56	1.49	19.41	54.3°	26.6°	1.00	1.00
90°	8.48	0.00	18.11	62.1°	16.8°	1.00	1.00
110°	8.95	3.06	15.43	77.0°	26.9°	0.93	1.00
120°	9.08	4.54	13.90	85.6°	21.5°	1.00	1.00
135°	8.59	6.07	11.64	103.5°	13.9°	1.00	1.00
150°	8.08	7.00	9.87	125.8°	11.1°	1.00	1.00
165°	7.65	7.39	8.83	152.0°	8.5°	1.00	1.00
180°	7.40	7.40	8.60	180.0°	6.6°	1.00	1.00
172.6° (r)	7.49	7.43	8.62	166.1°	7.4°	1.00	1.00

### TWS = 20 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.5° (b)	7.08	5.46	25.86	29.5°	26.4°	0.71	0.60
52°	7.85	4.83	25.59	38.0°	28.4°	0.87	0.60
60°	8.14	4.07	25.08	43.7°	30.1°	1.00	0.61
70°	8.48	2.90	24.24	50.8°	30.8°	1.00	0.70
75°	8.63	2.23	23.75	54.4°	31.0°	1.00	0.76
80°	8.79	1.53	23.20	58.1°	31.2°	1.00	0.83
90°	9.07	0.00	21.96	65.6°	30.2°	1.00	1.00
110°	9.33	3.19	18.96	82.5°	26.9°	0.83	1.00
120°	9.69	4.85	17.32	91.0°	26.9°	0.92	1.00
135°	9.54	6.75	14.87	108.0°	16.6°	1.00	1.00
150°	8.90	7.71	13.07	130.1°	12.2°	1.00	1.00
165°	8.47	8.18	12.02	154.5°	10.2°	1.00	1.00
180°	8.22	8.22	11.78	180.0°	7.0°	1.00	1.00
174.3° (r)	8.29	8.25	11.78	170.3°	8.0°	1.00	1.00



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### Polar Tables

Boat Name: **D11A\_01**

Sail No:

Sail: **Jib**

Issued On: **18/10/2012 - VPP 2012 1.01**

### TWS = 6 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.0° (b)	4.72	3.40	9.79	24.4°	4.3°	1.00	1.00
52°	5.24	3.22	9.95	27.4°	4.3°	1.00	1.00
60°	5.56	2.78	9.87	30.7°	4.2°	1.00	1.00
70°	5.78	1.98	9.51	35.1°	3.9°	1.00	1.00
75°	5.83	1.51	9.25	37.5°	3.6°	1.00	1.00
80°	5.84	1.01	8.94	40.0°	3.4°	1.00	1.00
90°	5.74	0.00	8.18	45.5°	2.8°	1.00	1.00
110°	5.01	1.71	6.26	61.2°	1.6°	1.00	1.00
120°	4.43	2.21	5.28	73.4°	1.1°	1.00	1.00
135°	3.60	2.54	4.16	97.3°	0.6°	1.00	1.00
150°	3.21	2.78	3.46	122.4°	0.4°	1.00	1.00
165°	3.01	2.91	3.03	150.1°	0.3°	1.00	1.00
180°	2.92	2.92	2.92	180.0°	0.1°	1.00	1.00
174.5° (r)	2.94	2.93	2.92	169.0°	0.1°	1.00	1.00

### TWS = 8 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.7° (b)	5.64	4.15	12.49	24.6°	9.2°	1.00	1.00
52°	6.29	3.87	12.62	28.6°	9.3°	1.00	1.00
60°	6.59	3.29	12.41	32.4°	8.5°	1.00	1.00
70°	6.77	2.32	11.90	37.6°	6.8°	1.00	1.00
75°	6.80	1.76	11.56	40.3°	5.8°	1.00	1.00
80°	6.81	1.18	11.17	43.1°	5.1°	1.00	1.00
90°	6.72	0.00	10.27	49.1°	4.0°	1.00	1.00
110°	6.04	2.07	8.05	65.2°	2.2°	1.00	1.00
120°	5.48	2.74	6.92	76.8°	1.6°	1.00	1.00
135°	4.68	3.31	5.57	98.6°	1.0°	1.00	1.00
150°	4.23	3.66	4.64	122.9°	0.7°	1.00	1.00
165°	3.98	3.84	4.07	150.4°	0.4°	1.00	1.00
180°	3.87	3.87	3.91	180.0°	0.1°	1.00	1.00
174.9° (r)	3.89	3.88	3.92	169.9°	0.2°	1.00	1.00

### TWS = 10 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.6° (b)	6.32	4.73	14.87	24.3°	17.2°	1.00	1.00
52°	7.02	4.32	14.88	29.3°	16.8°	1.00	1.00
60°	7.29	3.65	14.58	33.7°	15.1°	1.00	1.00
70°	7.43	2.54	13.96	39.7°	12.1°	1.00	1.00
75°	7.45	1.93	13.57	42.8°	10.5°	1.00	1.00
80°	7.45	1.29	13.14	46.0°	8.8°	1.00	1.00
90°	7.36	0.00	12.16	52.7°	5.5°	1.00	1.00
110°	6.78	2.32	9.76	69.3°	2.9°	1.00	1.00
120°	6.33	3.16	8.55	80.2°	2.1°	1.00	1.00
135°	5.58	3.94	7.00	100.7°	1.4°	1.00	1.00
150°	5.14	4.45	5.87	124.1°	1.0°	1.00	1.00
165°	4.88	4.72	5.17	150.9°	0.6°	1.00	1.00
180°	4.77	4.77	4.97	180.0°	0.2°	1.00	1.00
176.0° (r)	4.78	4.77	4.97	172.1°	0.3°	1.00	1.00

### TWS = 12 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.1° (b)	6.61	5.05	16.92	24.1°	21.6°	1.00	0.89
52°	7.44	4.58	16.66	29.4°	25.6°	1.00	0.98
60°	7.71	3.86	16.30	34.2°	23.4°	1.00	1.00
70°	7.87	2.69	15.70	41.1°	18.5°	1.00	1.00
75°	7.88	2.04	15.32	44.7°	16.0°	1.00	1.00
80°	7.87	1.37	14.90	48.4°	13.4°	1.00	1.00
90°	7.77	0.00	13.90	56.0°	8.6°	1.00	1.00
110°	7.33	2.51	11.45	73.1°	3.5°	1.00	1.00
120°	6.94	3.47	10.16	83.8°	2.6°	1.00	1.00
135°	6.36	4.49	8.47	103.0°	1.9°	1.00	1.00
150°	5.95	5.15	7.17	125.5°	1.4°	1.00	1.00
165°	5.69	5.50	6.35	151.6°	0.9°	1.00	1.00
180°	5.57	5.57	6.11	180.0°	0.2°	1.00	1.00
176.7° (r)	5.58	5.57	6.11	173.6°	0.4°	1.00	1.00

### TWS = 14 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.3° (b)	6.79	5.26	18.90	24.5°	23.2°	1.00	0.76
52°	7.62	4.69	18.44	30.7°	27.0°	1.00	0.85
60°	7.91	3.95	17.80	34.9°	28.3°	1.00	0.92
70°	8.18	2.80	16.99	41.3°	27.0°	1.00	1.00
75°	8.24	2.13	16.75	45.6°	23.0°	1.00	1.00
80°	8.25	1.43	16.44	49.9°	19.1°	1.00	1.00
90°	8.13	0.00	15.56	58.5°	12.3°	1.00	1.00
110°	7.70	2.63	13.12	76.6°	4.3°	1.00	1.00
120°	7.43	3.71	11.79	87.0°	3.2°	1.00	1.00
135°	6.96	4.92	9.99	105.5°	2.4°	1.00	1.00
150°	6.64	5.75	8.54	127.2°	1.8°	1.00	1.00
165°	6.41	6.20	7.61	152.4°	1.2°	1.00	1.00
180°	6.30	6.30	7.33	180.0°	0.3°	1.00	1.00
177.4° (r)	6.31	6.30	7.33	175.1°	0.5°	1.00	1.00

### TWS = 16 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.9° (b)	6.93	5.39	20.82	25.0°	24.4°	1.00	0.66
52°	7.73	4.76	20.18	31.8°	27.9°	1.00	0.73
60°	8.02	4.01	19.46	36.4°	29.1°	1.00	0.80
70°	8.32	2.85	18.37	42.5°	30.0°	1.00	0.90
75°	8.46	2.19	17.77	45.7°	30.3°	1.00	0.97
80°	8.56	1.49	17.54	50.3°	26.6°	1.00	1.00
90°	8.48	0.00	17.06	60.2°	16.8°	1.00	1.00
110°	8.02	2.74	14.80	79.5°	5.6°	1.00	1.00
120°	7.78	3.89	13.45	90.0°	4.0°	1.00	1.00
135°	7.45	5.27	11.55	107.9°	3.0°	1.00	1.00
150°	7.20	6.24	10.00	128.9°	2.3°	1.00	1.00
165°	7.00	6.77	8.99	153.4°	1.5°	1.00	1.00
180°	6.90	6.90	8.67	180.0°	0.5°	1.00	1.00
178.0° (r)	6.90	6.90	8.68	176.4°	0.6°	1.00	1.00

### TWS = 20 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.5° (b)	7.08	5.46	23.69	26.2°	26.4°	0.71	0.60
52°	7.85	4.83	23.34	33.8°	28.4°	0.87	0.60
60°	8.14	4.07	22.72	39.0°	30.1°	1.00	0.61
70°	8.48	2.90	21.47	45.7°	30.8°	1.00	0.70
75°	8.63	2.23	20.79	49.3°	31.0°	1.00	0.76
80°	8.79	1.53	20.07	53.0°	31.2°	1.00	0.83
90°	9.07	0.00	18.81	61.2°	30.2°	1.00	1.00
110°	8.65	2.96	17.99	83.6°	11.4°	1.00	1.00
120°	8.40	4.20	16.75	94.5°	7.2°	1.00	1.00
135°	8.14	5.75	14.82	112.3°	4.6°	1.00	1.00
150°	7.97	6.90	13.16	132.4°	3.4°	1.00	1.00
165°	7.85	7.58	12.05	155.3°	2.2°	1.00	1.00
180°	7.78	7.78	11.69	180.0°	0.8°	1.00	1.00
178.8° (r)	7.78	7.78	11.69	178.1°	0.9°	1.00	1.00



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**Polar Tables**

Boat Name: **D11A\_01**

Sail No:

Sail: **Jib**

Issued On: **18/10/2012 - VPP 2012 1.01**

**TWS = 6 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.0° (b)	4.72	3.40	9.79	24.4°	4.3°	1.00	1.00
52°	5.24	3.22	9.95	27.4°	4.3°	1.00	1.00
60°	5.56	2.78	9.87	30.7°	4.2°	1.00	1.00
70°	5.78	1.98	9.51	35.1°	3.9°	1.00	1.00
75°	5.83	1.51	9.25	37.5°	3.6°	1.00	1.00
80°	5.84	1.01	8.94	40.0°	3.4°	1.00	1.00
90°	5.74	0.00	8.18	45.5°	2.8°	1.00	1.00
110°	5.01	1.71	6.26	61.2°	1.6°	1.00	1.00
120°	4.43	2.21	5.28	73.4°	1.1°	1.00	1.00
135°	3.60	2.54	4.16	97.3°	0.6°	1.00	1.00
150°	3.21	2.78	3.46	122.4°	0.4°	1.00	1.00
165°	3.01	2.91	3.03	150.1°	0.3°	1.00	1.00
180°	2.92	2.92	2.92	180.0°	0.1°	1.00	1.00
174.5° (r)	2.94	2.93	2.92	169.0°	0.1°	1.00	1.00

**TWS = 8 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.7° (b)	5.64	4.15	12.49	24.6°	9.2°	1.00	1.00
52°	6.29	3.87	12.62	28.6°	9.3°	1.00	1.00
60°	6.59	3.29	12.41	32.4°	8.5°	1.00	1.00
70°	6.77	2.32	11.90	37.6°	6.8°	1.00	1.00
75°	6.80	1.76	11.56	40.3°	5.8°	1.00	1.00
80°	6.81	1.18	11.17	43.1°	5.1°	1.00	1.00
90°	6.72	0.00	10.27	49.1°	4.0°	1.00	1.00
110°	6.04	2.07	8.05	65.2°	2.2°	1.00	1.00
120°	5.48	2.74	6.92	76.8°	1.6°	1.00	1.00
135°	4.68	3.31	5.57	98.6°	1.0°	1.00	1.00
150°	4.23	3.66	4.64	122.9°	0.7°	1.00	1.00
165°	3.98	3.84	4.07	150.4°	0.4°	1.00	1.00
180°	3.87	3.87	3.91	180.0°	0.1°	1.00	1.00
174.9° (r)	3.89	3.88	3.92	169.9°	0.2°	1.00	1.00

**TWS = 10 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.6° (b)	6.32	4.73	14.87	24.3°	17.2°	1.00	1.00
52°	7.02	4.32	14.88	29.3°	16.8°	1.00	1.00
60°	7.29	3.65	14.58	33.7°	15.1°	1.00	1.00
70°	7.43	2.54	13.96	39.7°	12.1°	1.00	1.00
75°	7.45	1.93	13.57	42.8°	10.5°	1.00	1.00
80°	7.45	1.29	13.14	46.0°	8.8°	1.00	1.00
90°	7.36	0.00	12.16	52.7°	5.5°	1.00	1.00
110°	6.78	2.32	9.76	69.3°	2.9°	1.00	1.00
120°	6.33	3.16	8.55	80.2°	2.1°	1.00	1.00
135°	5.58	3.94	7.00	100.7°	1.4°	1.00	1.00
150°	5.14	4.45	5.87	124.1°	1.0°	1.00	1.00
165°	4.88	4.72	5.17	150.9°	0.6°	1.00	1.00
180°	4.77	4.77	4.97	180.0°	0.2°	1.00	1.00
176.0° (r)	4.78	4.77	4.97	172.1°	0.3°	1.00	1.00

**TWS = 12 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.1° (b)	6.61	5.05	16.92	24.1°	21.6°	1.00	0.89
52°	7.44	4.58	16.66	29.4°	25.6°	1.00	0.98
60°	7.71	3.86	16.30	34.2°	23.4°	1.00	1.00
70°	7.87	2.69	15.70	41.1°	18.5°	1.00	1.00
75°	7.88	2.04	15.32	44.7°	16.0°	1.00	1.00
80°	7.87	1.37	14.90	48.4°	13.4°	1.00	1.00
90°	7.77	0.00	13.90	56.0°	8.6°	1.00	1.00
110°	7.33	2.51	11.45	73.1°	3.5°	1.00	1.00
120°	6.94	3.47	10.16	83.8°	2.6°	1.00	1.00
135°	6.36	4.49	8.47	103.0°	1.9°	1.00	1.00
150°	5.95	5.15	7.17	125.5°	1.4°	1.00	1.00
165°	5.69	5.50	6.35	151.6°	0.9°	1.00	1.00
180°	5.57	5.57	6.11	180.0°	0.2°	1.00	1.00
176.7° (r)	5.58	5.57	6.11	173.6°	0.4°	1.00	1.00

**TWS = 14 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.3° (b)	6.79	5.26	18.90	24.5°	23.2°	1.00	0.76
52°	7.62	4.69	18.44	30.7°	27.0°	1.00	0.85
60°	7.91	3.95	17.80	34.9°	28.3°	1.00	0.92
70°	8.18	2.80	16.99	41.3°	27.0°	1.00	1.00
75°	8.24	2.13	16.75	45.6°	23.0°	1.00	1.00
80°	8.25	1.43	16.44	49.9°	19.1°	1.00	1.00
90°	8.13	0.00	15.56	58.5°	12.3°	1.00	1.00
110°	7.70	2.63	13.12	76.6°	4.3°	1.00	1.00
120°	7.43	3.71	11.79	87.0°	3.2°	1.00	1.00
135°	6.96	4.92	9.99	105.5°	2.4°	1.00	1.00
150°	6.64	5.75	8.54	127.2°	1.8°	1.00	1.00
165°	6.41	6.20	7.61	152.4°	1.2°	1.00	1.00
180°	6.30	6.30	7.33	180.0°	0.3°	1.00	1.00
177.4° (r)	6.31	6.30	7.33	175.1°	0.5°	1.00	1.00

**TWS = 16 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.9° (b)	6.93	5.39	20.82	25.0°	24.4°	1.00	0.66
52°	7.73	4.76	20.18	31.8°	27.9°	1.00	0.73
60°	8.02	4.01	19.46	36.4°	29.1°	1.00	0.80
70°	8.32	2.85	18.37	42.5°	30.0°	1.00	0.90
75°	8.46	2.19	17.77	45.7°	30.3°	1.00	0.97
80°	8.56	1.49	17.54	50.3°	26.6°	1.00	1.00
90°	8.48	0.00	17.06	60.2°	16.8°	1.00	1.00
110°	8.02	2.74	14.80	79.5°	5.6°	1.00	1.00
120°	7.78	3.89	13.45	90.0°	4.0°	1.00	1.00
135°	7.45	5.27	11.55	107.9°	3.0°	1.00	1.00
150°	7.20	6.24	10.00	128.9°	2.3°	1.00	1.00
165°	7.00	6.77	8.99	153.4°	1.5°	1.00	1.00
180°	6.90	6.90	8.67	180.0°	0.5°	1.00	1.00
178.0° (r)	6.90	6.90	8.68	176.4°	0.6°	1.00	1.00

**TWS = 20 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.5° (b)	7.08	5.46	23.69	26.2°	26.4°	0.71	0.60
52°	7.85	4.83	23.34	33.8°	28.4°	0.87	0.60
60°	8.14	4.07	22.72	39.0°	30.1°	1.00	0.61
70°	8.48	2.90	21.47	45.7°	30.8°	1.00	0.70
75°	8.63	2.23	20.79	49.3°	31.0°	1.00	0.76
80°	8.79	1.53	20.07	53.0°	31.2°	1.00	0.83
90°	9.07	0.00	18.81	61.2°	30.2°	1.00	1.00
110°	8.65	2.96	17.99	83.6°	11.4°	1.00	1.00
120°	8.40	4.20	16.75	94.5°	7.2°	1.00	1.00
135°	8.14	5.75	14.82	112.3°	4.6°	1.00	1.00
150°	7.97	6.90	13.16	132.4°	3.4°	1.00	1.00
165°	7.85	7.58	12.05	155.3°	2.2°	1.00	1.00
180°	7.78	7.78	11.69	180.0°	0.8°	1.00	1.00
178.8° (r)	7.78	7.78	11.69	178.1°	0.9°	1.00	1.00



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Polar Tables							
Boat Name: <b>D11A_01</b>							
Sail No:							
Sail: <b>Symmetric Spinnaker</b>							
Issued On: <b>18/10/2012 - VPP 2012 1.01</b>							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.26	2.13	8.86	35.0°	12.0°	1.00	1.00
70°	5.11	1.75	9.02	37.5°	12.7°	1.00	1.00
75°	5.42	1.40	8.97	39.0°	13.0°	1.00	1.00
80°	5.66	0.98	8.83	40.6°	13.2°	1.00	1.00
90°	5.92	0.00	8.31	44.6°	13.0°	1.00	1.00
110°	5.81	1.99	6.68	55.7°	11.8°	1.00	1.00
120°	5.60	2.80	5.72	62.9°	11.1°	1.00	1.00
135°	4.95	3.50	4.26	80.5°	8.6°	1.00	1.00
150°	4.07	3.52	3.19	110.8°	6.9°	1.00	1.00
165°	3.45	3.33	2.81	146.7°	6.3°	1.00	1.00
180°	3.20	3.20	2.81	180.0°	6.1°	1.00	1.00
142.6° (r)	4.50	3.57	3.63	94.3°	7.6°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.45	2.73	11.56	35.2°	15.2°	1.00	1.00
70°	6.38	2.18	11.60	38.3°	16.5°	1.00	1.00
75°	6.67	1.73	11.42	40.1°	16.9°	1.00	1.00
80°	6.86	1.19	11.15	42.3°	17.0°	1.00	1.00
90°	7.03	0.00	10.39	47.4°	16.3°	1.00	1.00
110°	6.99	2.39	8.43	59.7°	13.9°	1.00	1.00
120°	6.77	3.39	7.31	67.7°	12.1°	1.00	1.00
135°	6.16	4.35	5.59	84.9°	10.3°	1.00	1.00
150°	5.25	4.54	4.31	113.1°	7.6°	1.00	1.00
165°	4.55	4.39	3.80	147.2°	6.6°	1.00	1.00
180°	4.24	4.24	3.77	180.0°	6.1°	1.00	1.00
147.4° (r)	5.40	4.55	4.48	107.6°	7.9°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.39	3.20	13.87	35.1°	21.7°	1.00	1.00
70°	7.10	2.43	13.35	38.4°	26.7°	1.00	0.93
75°	7.32	1.89	13.02	40.7°	26.8°	0.99	0.93
80°	7.49	1.30	12.64	43.3°	26.8°	1.00	0.94
90°	7.70	0.00	11.80	49.2°	25.2°	1.00	1.00
110°	7.75	2.65	9.99	64.3°	16.1°	1.00	1.00
120°	7.59	3.79	8.80	72.9°	13.4°	1.00	1.00
135°	7.09	5.01	6.93	89.8°	11.2°	1.00	1.00
150°	6.30	5.45	5.49	115.6°	8.5°	1.00	1.00
165°	5.56	5.37	4.85	148.0°	6.9°	1.00	1.00
180°	5.21	5.21	4.80	180.0°	6.2°	1.00	1.00
151.9° (r)	6.19	5.46	5.36	119.5°	8.2°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.71	3.36	15.54	35.9°	26.5°	0.95	0.89
70°	7.34	2.51	15.01	40.9°	26.7°	0.92	0.86
75°	7.53	1.95	14.61	43.7°	26.7°	0.92	0.88
80°	7.68	1.33	14.13	46.6°	26.8°	0.90	0.96
90°	7.92	0.00	13.10	52.8°	26.8°	0.91	1.00
110°	8.28	2.83	11.39	68.4°	19.2°	1.00	1.00
120°	8.11	4.06	10.21	78.0°	15.4°	1.00	1.00
135°	7.69	5.44	8.33	95.4°	11.9°	1.00	1.00
150°	7.08	6.13	6.78	119.3°	9.6°	1.00	1.00
165°	6.43	6.21	6.02	149.2°	7.3°	1.00	1.00
180°	6.08	6.08	5.94	180.0°	6.3°	1.00	1.00
161.3° (r)	6.57	6.22	6.14	141.7°	7.7°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.90	3.45	17.24	37.5°	26.6°	0.86	0.86
70°	7.49	2.56	16.58	43.1°	26.8°	0.84	0.88
75°	7.67	1.99	16.11	46.2°	26.7°	0.82	0.96
80°	7.82	1.36	15.59	49.4°	26.8°	0.82	0.99
90°	8.09	0.00	14.51	56.1°	26.8°	0.84	1.00
110°	8.72	2.98	12.23	70.9°	26.9°	0.99	1.00
120°	8.59	4.29	11.68	82.0°	16.7°	1.00	1.00
135°	8.15	5.76	9.80	100.2°	12.6°	1.00	1.00
150°	7.64	6.62	8.21	123.1°	10.6°	1.00	1.00
165°	7.13	6.88	7.35	150.7°	7.9°	1.00	1.00
180°	6.81	6.81	7.21	180.0°	6.4°	1.00	1.00
166.2° (r)	7.09	6.88	7.31	153.0°	7.7°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.03	3.52	18.91	38.9°	26.7°	0.80	0.82
70°	7.59	2.59	18.18	45.1°	26.9°	0.80	0.80
75°	7.76	2.01	17.66	48.4°	27.1°	0.80	0.82
80°	7.91	1.37	17.13	51.9°	26.9°	0.80	0.83
90°	8.25	0.00	15.98	58.9°	26.9°	0.80	0.92
110°	8.95	3.06	13.58	74.6°	26.9°	0.93	1.00
120°	9.08	4.54	12.84	84.9°	21.5°	1.00	1.00
135°	8.59	6.07	11.29	103.8°	13.9°	1.00	1.00
150°	8.08	6.99	9.74	126.3°	11.1°	1.00	1.00
165°	7.65	7.39	8.82	152.3°	8.5°	1.00	1.00
180°	7.40	7.40	8.62	180.0°	6.6°	1.00	1.00
172.6° (r)	7.49	7.43	8.64	166.2°	7.4°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	17.21	56.3°	30.2°	0.80	0.60
70°	-0.01	0.00	16.85	67.2°	30.2°	0.80	0.60
75°	-0.01	0.00	16.71	72.8°	30.2°	0.80	0.60
80°	-0.01	0.00	16.61	78.5°	30.2°	0.80	0.60
90°	8.42	0.00	19.05	63.8°	27.1°	0.80	0.66
110°	9.33	3.19	16.36	80.3°	26.9°	0.83	1.00
120°	9.69	4.85	15.06	90.2°	26.9°	0.92	1.00
135°	9.54	6.74	14.24	108.6°	16.6°	1.00	1.00
150°	8.90	7.71	12.88	130.7°	12.2°	1.00	1.00
165°	8.47	8.18	11.99	154.9°	10.2°	1.00	1.00
180°	8.22	8.22	11.80	180.0°	7.0°	1.00	1.00
174.3° (r)	8.29	8.25	11.80	170.4°	8.0°	1.00	1.00



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Polar Tables							
Boat Name: <b>D11A_01</b>							
Sail No:							
Sail: <b>Symmetric Spinnaker</b>							
Issued On: <b>18/10/2012 - VPP 2012 1.01</b>							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.26	2.13	8.86	35.0°	12.0°	1.00	1.00
70°	5.11	1.75	9.02	37.5°	12.7°	1.00	1.00
75°	5.42	1.40	8.97	39.0°	13.0°	1.00	1.00
80°	5.66	0.98	8.83	40.6°	13.2°	1.00	1.00
90°	5.92	0.00	8.31	44.6°	13.0°	1.00	1.00
110°	5.81	1.99	6.68	55.7°	11.8°	1.00	1.00
120°	5.60	2.80	5.72	62.9°	11.1°	1.00	1.00
135°	4.95	3.50	4.26	80.5°	8.6°	1.00	1.00
150°	4.07	3.52	3.19	110.8°	6.9°	1.00	1.00
165°	3.45	3.33	2.81	146.7°	6.3°	1.00	1.00
180°	3.20	3.20	2.81	180.0°	6.1°	1.00	1.00
142.6° (r)	4.50	3.57	3.63	94.3°	7.6°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.45	2.73	11.56	35.2°	15.2°	1.00	1.00
70°	6.38	2.18	11.60	38.3°	16.5°	1.00	1.00
75°	6.67	1.73	11.42	40.1°	16.9°	1.00	1.00
80°	6.86	1.19	11.15	42.3°	17.0°	1.00	1.00
90°	7.03	0.00	10.39	47.4°	16.3°	1.00	1.00
110°	6.99	2.39	8.43	59.7°	13.9°	1.00	1.00
120°	6.77	3.39	7.31	67.7°	12.1°	1.00	1.00
135°	6.16	4.35	5.59	84.9°	10.3°	1.00	1.00
150°	5.25	4.54	4.31	113.1°	7.6°	1.00	1.00
165°	4.55	4.39	3.80	147.2°	6.6°	1.00	1.00
180°	4.24	4.24	3.77	180.0°	6.1°	1.00	1.00
147.4° (r)	5.40	4.55	4.48	107.6°	7.9°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.39	3.20	13.87	35.1°	21.7°	1.00	1.00
70°	7.10	2.43	13.35	38.4°	26.7°	1.00	0.93
75°	7.32	1.89	13.02	40.7°	26.8°	0.99	0.93
80°	7.49	1.30	12.64	43.3°	26.8°	1.00	0.94
90°	7.70	0.00	11.80	49.2°	25.2°	1.00	1.00
110°	7.75	2.65	9.99	64.3°	16.1°	1.00	1.00
120°	7.59	3.79	8.80	72.9°	13.4°	1.00	1.00
135°	7.09	5.01	6.93	89.8°	11.2°	1.00	1.00
150°	6.30	5.45	5.49	115.6°	8.5°	1.00	1.00
165°	5.56	5.37	4.85	148.0°	6.9°	1.00	1.00
180°	5.21	5.21	4.80	180.0°	6.2°	1.00	1.00
151.9° (r)	6.19	5.46	5.36	119.5°	8.2°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.71	3.36	15.54	35.9°	26.5°	0.95	0.89
70°	7.34	2.51	15.01	40.9°	26.7°	0.92	0.86
75°	7.53	1.95	14.61	43.7°	26.7°	0.92	0.88
80°	7.68	1.33	14.13	46.6°	26.8°	0.90	0.96
90°	7.92	0.00	13.10	52.8°	26.8°	0.91	1.00
110°	8.28	2.83	11.39	68.4°	19.2°	1.00	1.00
120°	8.11	4.06	10.21	78.0°	15.4°	1.00	1.00
135°	7.69	5.44	8.33	95.4°	11.9°	1.00	1.00
150°	7.08	6.13	6.78	119.3°	9.6°	1.00	1.00
165°	6.43	6.21	6.02	149.2°	7.3°	1.00	1.00
180°	6.08	6.08	5.94	180.0°	6.3°	1.00	1.00
161.3° (r)	6.57	6.22	6.14	141.7°	7.7°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.90	3.45	17.24	37.5°	26.6°	0.86	0.86
70°	7.49	2.56	16.58	43.1°	26.8°	0.84	0.88
75°	7.67	1.99	16.11	46.2°	26.7°	0.82	0.96
80°	7.82	1.36	15.59	49.4°	26.8°	0.82	0.99
90°	8.09	0.00	14.51	56.1°	26.8°	0.84	1.00
110°	8.72	2.98	12.23	70.9°	26.9°	0.99	1.00
120°	8.59	4.29	11.68	82.0°	16.7°	1.00	1.00
135°	8.15	5.76	9.80	100.2°	12.6°	1.00	1.00
150°	7.64	6.62	8.21	123.1°	10.6°	1.00	1.00
165°	7.13	6.88	7.35	150.7°	7.9°	1.00	1.00
180°	6.81	6.81	7.21	180.0°	6.4°	1.00	1.00
166.2° (r)	7.09	6.88	7.31	153.0°	7.7°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.03	3.52	18.91	38.9°	26.7°	0.80	0.82
70°	7.59	2.59	18.18	45.1°	26.9°	0.80	0.80
75°	7.76	2.01	17.66	48.4°	27.1°	0.80	0.82
80°	7.91	1.37	17.13	51.9°	26.9°	0.80	0.83
90°	8.25	0.00	15.98	58.9°	26.9°	0.80	0.92
110°	8.95	3.06	13.58	74.6°	26.9°	0.93	1.00
120°	9.08	4.54	12.84	84.9°	21.5°	1.00	1.00
135°	8.59	6.07	11.29	103.8°	13.9°	1.00	1.00
150°	8.08	6.99	9.74	126.3°	11.1°	1.00	1.00
165°	7.65	7.39	8.82	152.3°	8.5°	1.00	1.00
180°	7.40	7.40	8.62	180.0°	6.6°	1.00	1.00
172.6° (r)	7.49	7.43	8.64	166.2°	7.4°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	17.21	56.3°	30.2°	0.80	0.60
70°	-0.01	0.00	16.85	67.2°	30.2°	0.80	0.60
75°	-0.01	0.00	16.71	72.8°	30.2°	0.80	0.60
80°	-0.01	0.00	16.61	78.5°	30.2°	0.80	0.60
90°	8.42	0.00	19.05	63.8°	27.1°	0.80	0.66
110°	9.33	3.19	16.36	80.3°	26.9°	0.83	1.00
120°	9.69	4.85	15.06	90.2°	26.9°	0.92	1.00
135°	9.54	6.74	14.24	108.6°	16.6°	1.00	1.00
150°	8.90	7.71	12.88	130.7°	12.2°	1.00	1.00
165°	8.47	8.18	11.99	154.9°	10.2°	1.00	1.00
180°	8.22	8.22	11.80	180.0°	7.0°	1.00	1.00
174.3° (r)	8.29	8.25	11.80	170.4°	8.0°	1.00	1.00