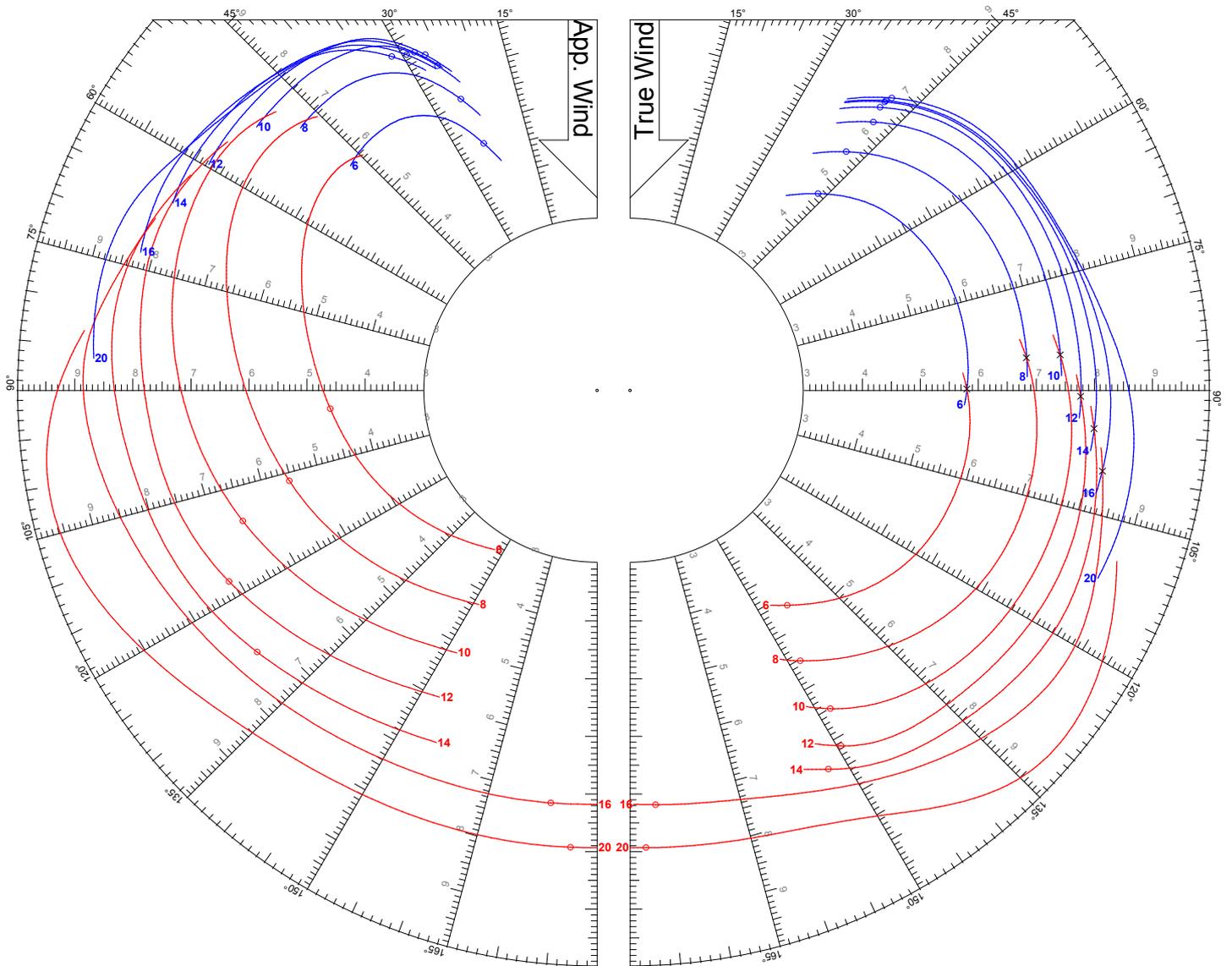


SPEED GUIDE MD SQUARETOP



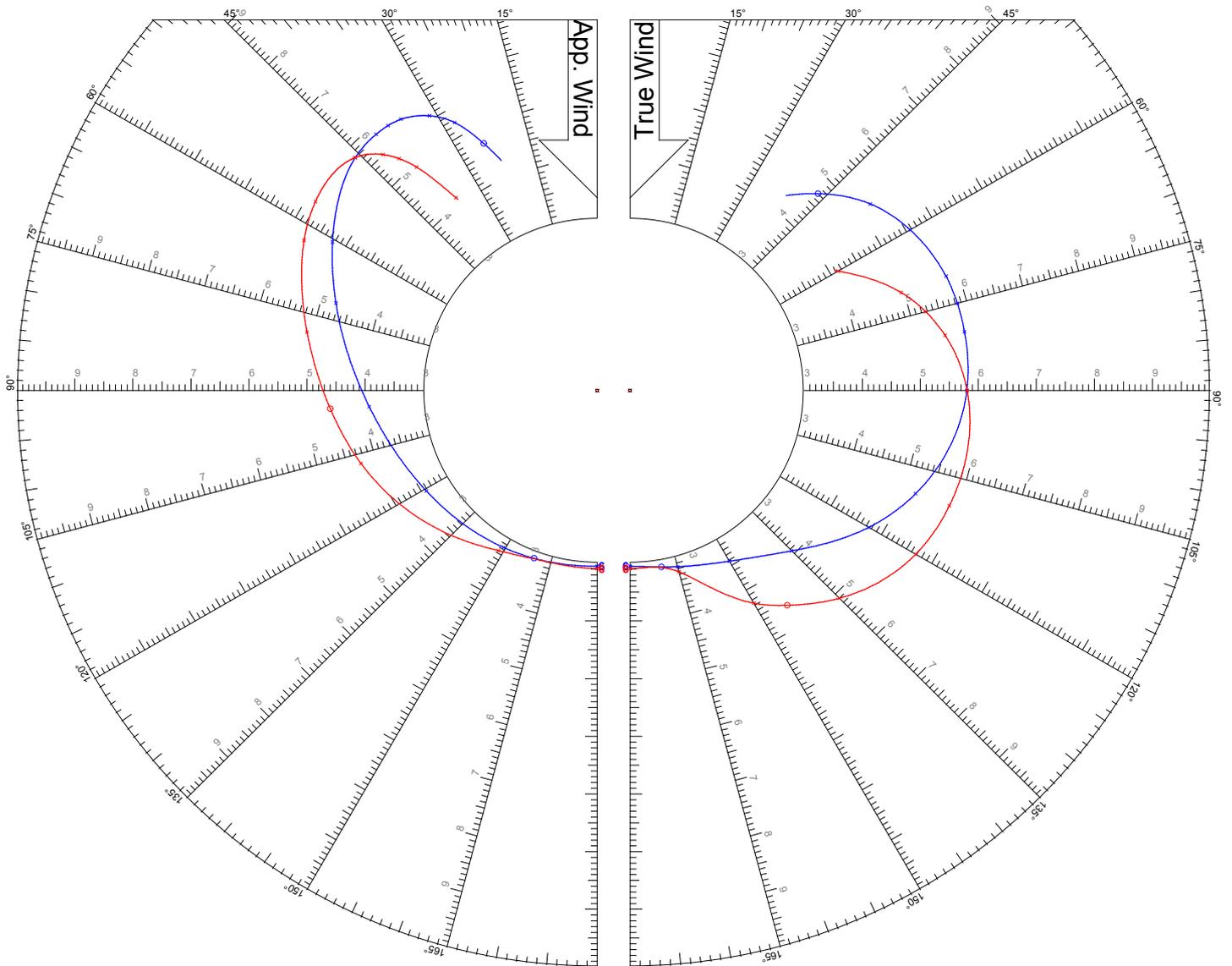
Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

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

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE MD SQUARETOP



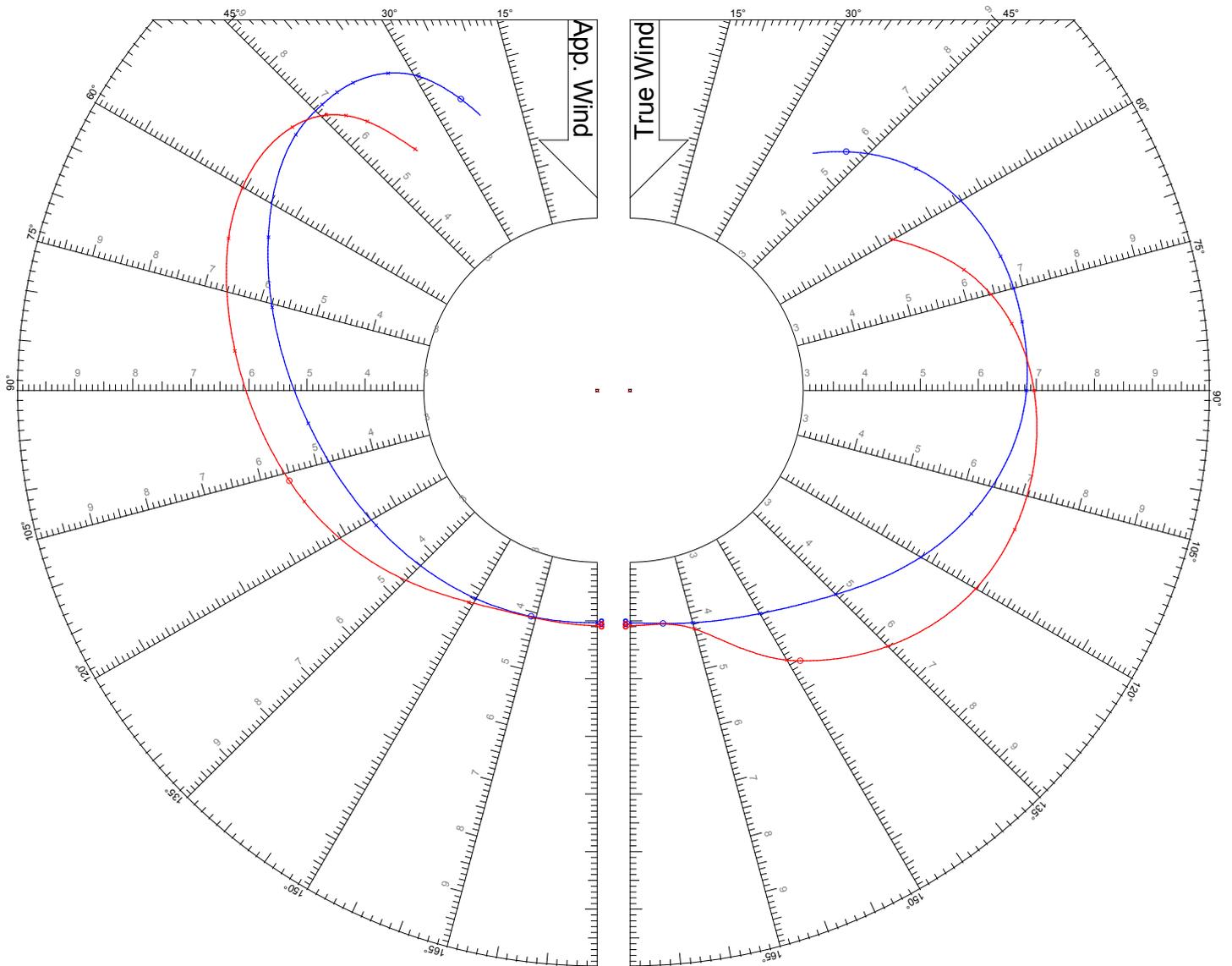
Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

TWS: 6 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE MD SQUARETOP



Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

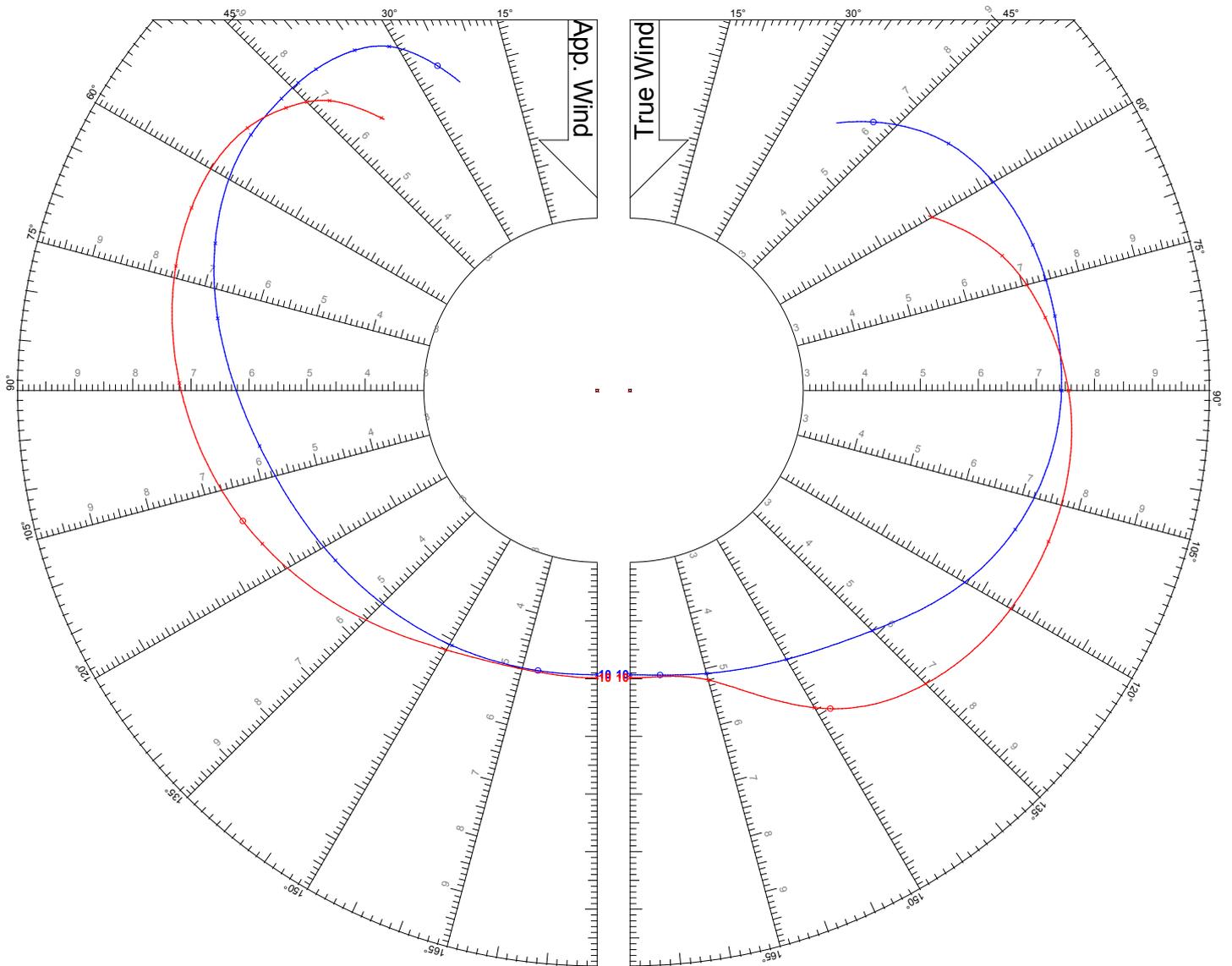
TWS: 8 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE

MD SQUARETOP



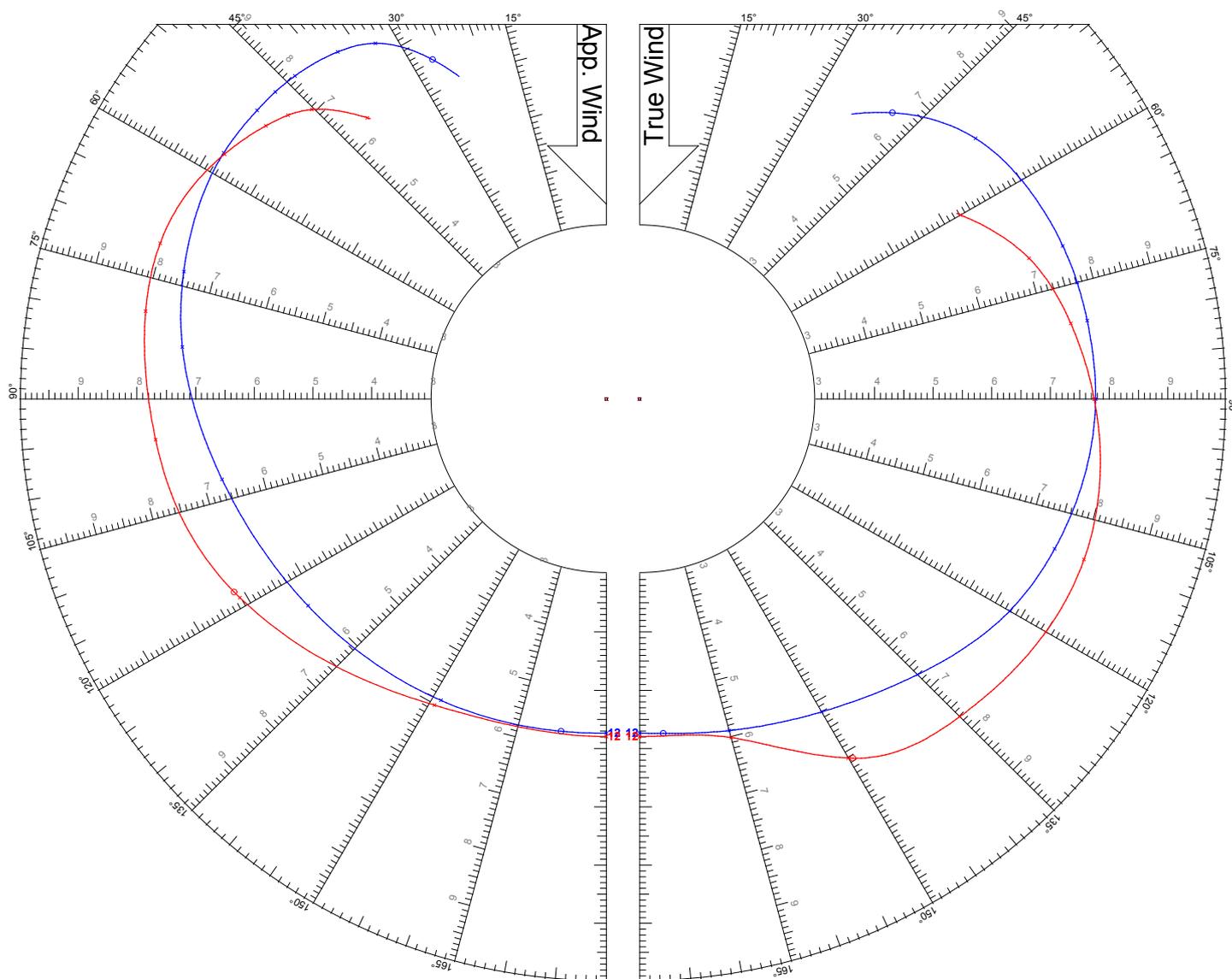
Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

TWS: 10 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE MD SQUARETOP



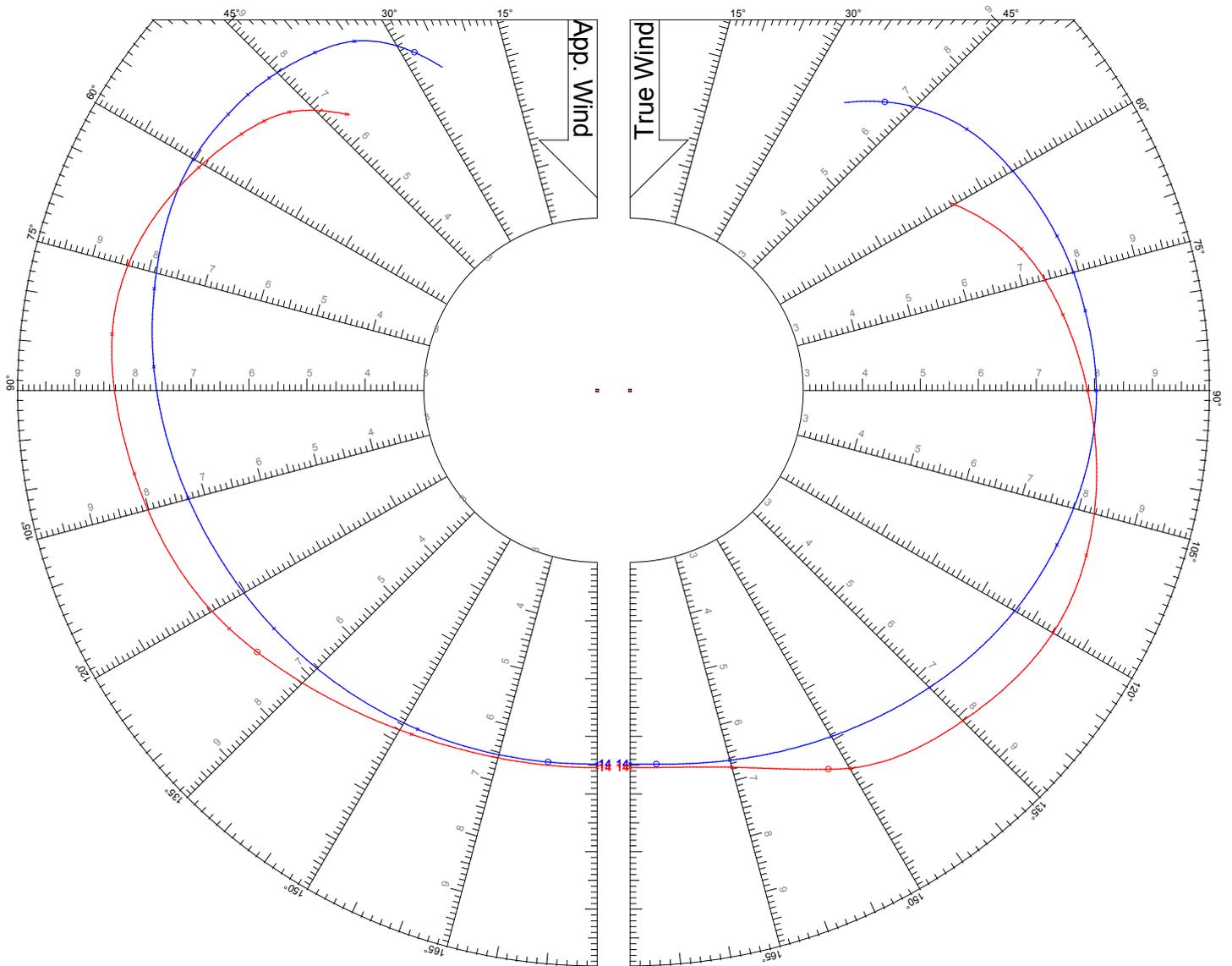
Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

TWS: 12 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE MD SQUARETOP



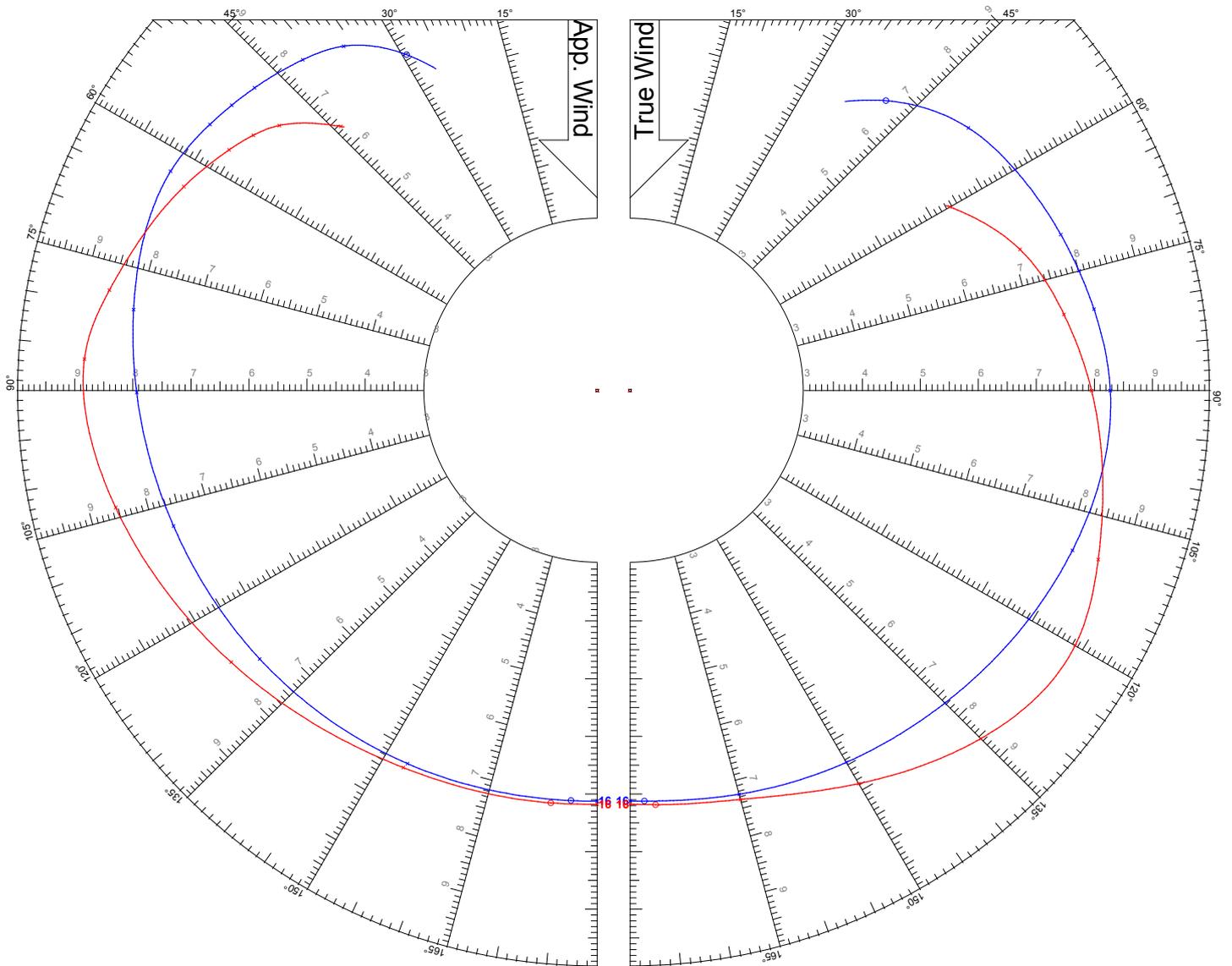
Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

TWS: 14 kts

Headsail

Asymmetric Spinnaker on Centerline

SPEED GUIDE MD SQUARETOP



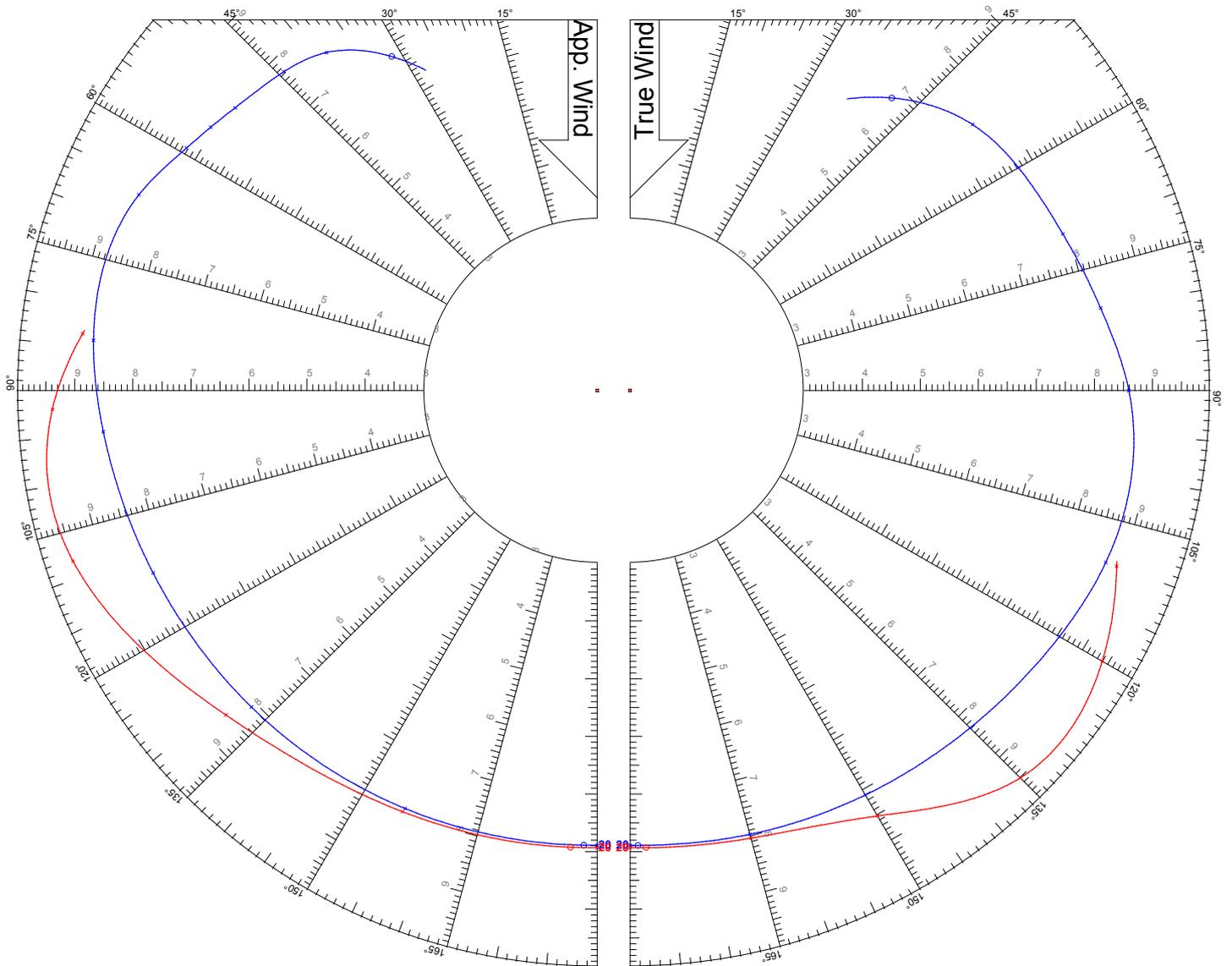
Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

TWS: 16 kts

Headsail

Asymmetric Spinnaker on Centerline

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Polar Plot for Boat	
Name	
Sail Number	
Class	DEHLER 38
Designer	JUDEL/VROLIJK & CO
Builder	HANSE
Issued On	15/05/2020 - VPP 2020 1.01

TWS: 20 kts

Headsail

Asymmetric Spinnaker on Centerline

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Polar Tables

Boat Name:
Sail No:
Sail: **Best Performance**
Issued On: **15/05/2020 - VPP 2020 1.01**

TWS = 6 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
43.5° (b)	4.71	3.41	9.96	24.5°	7.3°	1.00	0.99
52°	5.25	3.23	10.12	27.9°	5.6°	1.00	1.00
60°	5.57	2.78	10.02	31.2°	5.4°	1.00	1.00
70°	5.79	1.98	9.66	35.7°	4.6°	1.00	1.00
75°	5.84	1.51	9.39	38.1°	4.1°	1.00	1.00
80°	5.85	1.02	9.08	40.6°	3.5°	1.00	1.00
90°	5.81	0.00	8.35	45.9°	6.5°	1.00	0.98
110°	5.85	2.00	6.80	56.0°	3.4°	1.00	1.00
120°	5.68	2.84	5.85	62.7°	1.4°	1.00	1.00
135°	5.10	3.61	4.33	78.6°	0.0°	1.00	1.00
150°	4.26	3.69	3.14	107.3°	0.2°	1.00	1.00
165°	3.26	3.15	2.97	148.5°	3.6°	1.00	1.00
180°	3.09	3.09	2.91	180.0°	3.4°	1.00	1.00
144.0° (r)	4.61	3.73	3.54	94.0°	0.1°	1.00	1.00

TWS = 8 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
42.0° (b)	5.57	4.14	12.70	24.9°	11.2°	1.00	0.98
52°	6.25	3.85	12.83	29.4°	11.9°	1.00	1.00
60°	6.58	3.29	12.65	33.2°	11.4°	1.00	1.00
70°	6.80	2.32	12.14	38.3°	9.9°	1.00	1.00
75°	6.84	1.77	11.80	40.9°	8.9°	1.00	1.00
80°	6.86	1.19	11.41	43.7°	7.9°	1.00	1.00
90°	6.96	0.00	10.60	49.0°	14.0°	1.00	0.98
110°	7.05	2.41	8.67	60.1°	8.4°	1.00	1.00
120°	6.88	3.44	7.50	67.5°	4.8°	1.00	1.00
135°	6.28	4.44	5.69	83.7°	0.0°	1.00	1.00
150°	5.40	4.68	4.28	110.9°	0.9°	1.00	1.00
165°	4.28	4.14	4.02	149.0°	3.7°	1.00	1.00
180°	4.08	4.08	3.92	180.0°	3.4°	1.00	1.00
148.0° (r)	5.53	4.69	4.42	106.5°	-0.1°	1.00	1.00

TWS = 10 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
42.0° (b)	6.27	4.66	15.24	26.0°	18.6°	1.00	0.96
52°	6.96	4.28	15.30	31.0°	19.3°	1.00	0.98
60°	7.23	3.61	14.98	35.3°	18.5°	1.00	1.00
70°	7.38	2.53	14.32	41.0°	15.8°	1.00	1.00
75°	7.42	1.92	13.91	44.0°	14.3°	1.00	1.00
80°	7.43	1.29	13.45	47.0°	12.7°	1.00	1.00
90°	7.55	0.00	12.53	52.9°	21.8°	1.00	0.95
110°	7.67	2.62	10.31	65.7°	13.5°	1.00	1.00
120°	7.57	3.79	9.03	73.4°	8.2°	1.00	1.00
135°	7.20	5.09	7.07	89.0°	1.8°	1.00	1.00
150°	6.35	5.50	5.51	114.8°	2.8°	1.00	1.00
165°	5.20	5.02	5.16	149.9°	4.7°	1.00	1.00
180°	4.99	4.99	5.01	180.0°	3.5°	1.00	1.00
148.0° (r)	6.51	5.52	5.65	110.4°	-0.1°	1.00	1.00

TWS = 12 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
41.3° (b)	6.53	4.91	17.45	27.0°	23.4°	1.00	0.87
52°	7.26	4.47	17.44	32.8°	25.5°	1.00	0.92
60°	7.51	3.76	17.05	37.6°	24.6°	1.00	0.95
70°	7.67	2.62	16.31	43.8°	22.3°	1.00	0.99
75°	7.72	2.00	15.86	47.0°	20.4°	1.00	1.00
80°	7.74	1.34	15.37	50.3°	18.0°	1.00	1.00
90°	7.77	0.00	14.30	57.1°	13.2°	1.00	1.00
110°	8.06	2.76	11.95	70.7°	19.2°	1.00	1.00
120°	7.99	4.00	10.58	79.1°	11.7°	1.00	1.00
135°	7.71	5.45	8.52	95.2°	3.4°	1.00	1.00
150°	7.12	6.16	6.84	118.6°	4.7°	1.00	1.00
165°	6.02	5.81	6.38	150.9°	5.4°	1.00	1.00
180°	5.79	5.79	6.21	180.0°	3.6°	1.00	1.00
149.5° (r)	7.16	6.17	6.87	117.6°	3.6°	1.00	1.00

TWS = 14 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
41.3° (b)	6.66	5.00	19.50	28.3°	24.7°	1.00	0.75
52°	7.36	4.53	19.42	34.6°	26.7°	1.00	0.79
60°	7.61	3.81	18.99	39.7°	27.2°	1.00	0.85
70°	7.83	2.68	18.23	46.2°	27.2°	1.00	0.93
75°	7.91	2.05	17.77	49.5°	25.5°	1.00	0.96
80°	7.96	1.38	17.27	53.0°	23.4°	1.00	0.98
90°	8.03	0.00	16.14	60.1°	17.6°	1.00	1.00
110°	8.37	2.86	13.63	74.8°	22.0°	0.98	0.95
120°	8.41	4.21	12.21	83.3°	15.9°	1.00	1.00
135°	8.11	5.73	10.06	100.3°	5.2°	1.00	1.00
150°	7.57	6.55	8.35	123.1°	5.1°	1.00	1.00
165°	6.77	6.54	7.67	151.8°	5.9°	1.00	1.00
180°	6.54	6.54	7.46	180.0°	3.6°	1.00	1.00
152.5° (r)	7.41	6.57	8.18	127.8°	3.9°	1.00	1.00

TWS = 16 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
41.3° (b)	6.68	5.03	21.48	29.4°	24.7°	1.00	0.63
52°	7.40	4.55	21.37	36.2°	26.9°	1.00	0.68
60°	7.66	3.83	20.91	41.5°	28.4°	1.00	0.74
70°	7.90	2.70	20.12	48.4°	28.4°	1.00	0.82
75°	8.01	2.07	19.66	51.8°	29.1°	1.00	0.89
80°	8.11	1.41	19.16	55.3°	28.2°	1.00	0.94
90°	8.27	0.00	18.01	62.6°	23.1°	1.00	1.00
110°	8.58	2.94	15.35	78.3°	22.1°	0.93	0.94
120°	8.85	4.43	13.88	86.5°	21.1°	1.00	1.00
135°	8.54	6.04	11.65	103.8°	7.6°	1.00	1.00
150°	7.88	6.82	9.99	126.8°	5.5°	1.00	1.00
165°	7.35	7.09	9.11	152.9°	6.8°	1.00	1.00
180°	7.18	7.18	8.82	180.0°	3.7°	1.00	1.00
176.5° (r)	7.20	7.19	8.83	173.7°	4.9°	1.00	1.00

TWS = 20 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
41.6° (b)	6.79	5.07	25.48	31.4°	24.1°	0.48	0.61
52°	7.49	4.61	25.31	38.5°	25.7°	0.50	0.61
60°	7.73	3.86	24.78	44.3°	24.6°	0.59	0.61
70°	7.93	2.71	23.91	51.8°	25.0°	0.89	0.61
75°	8.07	2.09	23.43	55.5°	29.8°	1.00	0.69
80°	8.23	1.43	22.91	59.3°	30.8°	1.00	0.76
90°	8.59	0.00	21.77	66.8°	31.0°	1.00	0.92
110°	8.92	3.05	18.91	83.7°	22.3°	0.85	0.85
120°	9.39	4.70	17.33	92.0°	22.1°	0.93	0.94
135°	9.51	6.72	14.88	108.2°	13.6°	1.00	1.00
150°	8.52	7.38	13.32	131.3°	6.0°	1.00	1.00
165°	8.04	7.77	12.41	155.3°	5.6°	1.00	1.00
180°	7.93	7.93	12.07	180.0°	3.9°	1.00	1.00
178.0° (r)	7.94	7.93	12.07	176.7°	2.0°	1.00	1.00

SPEED GUIDE

MD SQUARETOP



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Polar Tables

Boat Name:
Sail No:
Sail: **Jib**
Issued On: **15/05/2020 - VPP 2020 1.01**

TWS = 6 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.5° (b)	4.71	3.41	9.79	24.0°	7.3°	1.00	0.99
52°	5.25	3.23	9.97	27.4°	5.6°	1.00	1.00
60°	5.57	2.78	9.88	30.7°	5.4°	1.00	1.00
70°	5.79	1.98	9.53	35.1°	4.6°	1.00	1.00
75°	5.84	1.51	9.27	37.5°	4.1°	1.00	1.00
80°	5.85	1.02	8.96	39.9°	3.5°	1.00	1.00
90°	5.80	0.00	8.24	45.2°	2.2°	1.00	1.00
110°	5.24	1.79	6.39	59.6°	0.0°	1.00	1.00
120°	4.75	2.38	5.40	70.4°	0.0°	1.00	1.00
135°	3.94	2.78	4.18	93.2°	0.0°	1.00	1.00
150°	3.42	2.96	3.38	119.7°	4.5°	1.00	1.00
165°	3.17	3.06	2.92	148.8°	4.2°	1.00	1.00
180°	3.05	3.05	2.81	180.0°	4.0°	1.00	1.00
170.0° (r)	3.11	3.06	2.85	159.1°	1.0°	1.00	1.00

TWS = 8 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.0° (b)	5.57	4.14	12.45	24.2°	11.2°	1.00	0.98
52°	6.25	3.85	12.57	28.5°	11.9°	1.00	1.00
60°	6.58	3.29	12.38	32.3°	11.4°	1.00	1.00
70°	6.80	2.32	11.90	37.3°	9.9°	1.00	1.00
75°	6.84	1.77	11.57	40.0°	8.9°	1.00	1.00
80°	6.86	1.19	11.19	42.8°	7.9°	1.00	1.00
90°	6.83	0.00	10.34	48.7°	5.7°	1.00	1.00
110°	6.26	2.14	8.17	64.0°	0.9°	1.00	1.00
120°	5.79	2.89	7.04	74.6°	0.0°	1.00	1.00
135°	5.01	3.54	5.59	95.7°	0.0°	1.00	1.00
150°	4.47	3.87	4.55	120.7°	5.0°	1.00	1.00
165°	4.17	4.03	3.93	149.2°	4.5°	1.00	1.00
180°	4.03	4.03	3.78	180.0°	4.1°	1.00	1.00
172.0° (r)	4.08	4.04	3.81	163.4°	2.7°	1.00	1.00

TWS = 10 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.0° (b)	6.27	4.66	14.80	24.5°	18.6°	1.00	0.96
52°	6.96	4.28	14.80	29.1°	19.3°	1.00	0.98
60°	7.23	3.61	14.46	33.4°	18.5°	1.00	1.00
70°	7.38	2.53	13.85	39.4°	15.8°	1.00	1.00
75°	7.42	1.92	13.47	42.5°	14.3°	1.00	1.00
80°	7.43	1.29	13.06	45.7°	12.7°	1.00	1.00
90°	7.43	0.00	12.15	52.3°	9.3°	1.00	1.00
110°	7.06	2.41	9.90	68.0°	3.0°	1.00	1.00
120°	6.66	3.33	8.67	78.3°	0.6°	1.00	1.00
135°	5.90	4.17	7.03	98.6°	0.0°	1.00	1.00
150°	5.39	4.67	5.78	122.4°	5.6°	1.00	1.00
165°	5.08	4.91	5.03	149.9°	4.8°	1.00	1.00
180°	4.93	4.93	4.83	180.0°	4.2°	1.00	1.00
174.0° (r)	4.96	4.94	4.86	167.9°	1.2°	1.00	1.00

TWS = 12 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.3° (b)	6.53	4.91	16.75	24.7°	23.4°	1.00	0.87
52°	7.26	4.47	16.56	29.7°	25.5°	1.00	0.92
60°	7.51	3.76	16.12	34.4°	24.6°	1.00	0.95
70°	7.67	2.62	15.40	40.9°	22.3°	1.00	0.99
75°	7.72	2.00	15.02	44.4°	20.4°	1.00	1.00
80°	7.74	1.34	14.64	48.2°	18.0°	1.00	1.00
90°	7.77	0.00	13.77	55.7°	13.2°	1.00	1.00
110°	7.53	2.57	11.54	72.3°	5.0°	1.00	1.00
120°	7.28	3.64	10.28	82.2°	2.2°	1.00	1.00
135°	6.69	4.73	8.50	101.2°	0.1°	1.00	1.00
150°	6.20	5.37	7.07	124.3°	6.4°	1.00	1.00
165°	5.89	5.69	6.21	150.9°	5.3°	1.00	1.00
180°	5.74	5.74	5.98	180.0°	4.3°	1.00	1.00
176.0° (r)	5.75	5.74	5.99	172.2°	2.9°	1.00	1.00

TWS = 14 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.3° (b)	6.66	5.00	18.59	25.6°	24.7°	1.00	0.75
52°	7.36	4.53	18.26	31.2°	26.7°	1.00	0.79
60°	7.61	3.81	17.67	35.8°	27.2°	1.00	0.85
70°	7.83	2.68	16.77	42.1°	27.2°	1.00	0.93
75°	7.91	2.05	16.38	45.9°	25.5°	1.00	0.96
80°	7.96	1.38	15.99	49.9°	23.4°	1.00	0.98
90°	8.03	0.00	15.25	58.2°	17.6°	1.00	1.00
110°	7.83	2.68	13.16	76.2°	7.3°	1.00	1.00
120°	7.65	3.83	11.90	86.2°	4.0°	1.00	1.00
135°	7.29	5.16	10.02	104.1°	3.1°	1.00	1.00
150°	6.93	6.00	8.40	126.0°	7.4°	1.00	1.00
165°	6.64	6.42	7.45	151.8°	5.8°	1.00	1.00
180°	6.48	6.48	7.19	180.0°	4.4°	1.00	1.00
176.0° (r)	6.50	6.48	7.20	172.4°	4.8°	1.00	1.00

TWS = 16 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.3° (b)	6.68	5.03	20.37	26.7°	24.7°	1.00	0.63
52°	7.40	4.55	19.96	32.6°	26.9°	1.00	0.68
60°	7.66	3.83	19.23	37.3°	28.4°	1.00	0.74
70°	7.90	2.70	18.25	44.0°	28.4°	1.00	0.82
75°	8.01	2.07	17.63	47.2°	29.1°	1.00	0.89
80°	8.11	1.41	17.16	51.1°	28.2°	1.00	0.94
90°	8.27	0.00	16.48	59.9°	23.1°	1.00	1.00
110°	8.11	2.77	14.75	79.2°	10.1°	1.00	1.00
120°	7.94	3.97	13.52	89.7°	6.2°	1.00	1.00
135°	7.67	5.42	11.58	107.3°	5.8°	1.00	1.00
150°	7.45	6.45	9.88	128.2°	7.5°	1.00	1.00
165°	7.25	7.00	8.81	152.9°	6.4°	1.00	1.00
180°	7.12	7.12	8.50	180.0°	4.6°	1.00	1.00
178.0° (r)	7.13	7.12	8.51	176.3°	1.6°	1.00	1.00

TWS = 20 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.6° (b)	6.79	5.07	23.75	28.7°	24.1°	0.48	0.61
52°	7.49	4.61	23.29	35.0°	25.7°	0.50	0.61
60°	7.73	3.86	22.72	40.9°	24.6°	0.59	0.61
70°	7.93	2.71	21.72	48.3°	25.0°	0.89	0.61
75°	8.07	2.09	20.61	50.9°	29.8°	1.00	0.69
80°	8.23	1.43	19.86	54.4°	30.8°	1.00	0.76
90°	8.59	0.00	18.55	62.4°	31.0°	1.00	0.92
110°	8.72	2.98	17.64	83.3°	17.3°	1.00	1.00
120°	8.54	4.27	16.66	94.4°	12.0°	1.00	1.00
135°	8.28	5.86	14.86	112.1°	7.4°	1.00	1.00
150°	8.10	7.02	13.10	132.4°	8.6°	1.00	1.00
165°	7.97	7.70	11.98	155.3°	7.3°	1.00	1.00
180°	7.89	7.89	11.64	180.0°	5.1°	1.00	1.00
179.0° (r)	7.89	7.89	11.64	178.3°	2.0°	1.00	1.00

SPEED GUIDE

MD SQUARETOP



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Polar Tables

Boat Name:
Sail No:
Sail: **Asymmetric Spinnaker on CL**
Issued On: **15/05/2020 - VPP 2020 1.01**

TWS = 6 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	4.14	2.07	8.80	35.9°	4.1°	1.00	0.96
70°	4.97	1.70	8.96	38.5°	5.9°	1.00	0.96
75°	5.27	1.37	8.91	40.0°	6.5°	1.00	0.96
80°	5.51	0.96	8.77	41.7°	6.9°	1.00	0.97
90°	5.81	0.00	8.30	45.6°	6.5°	1.00	0.98
110°	5.85	2.00	6.78	55.8°	3.4°	1.00	1.00
120°	5.68	2.84	5.83	62.4°	1.4°	1.00	1.00
135°	5.10	3.61	4.31	78.2°	0.0°	1.00	1.00
150°	4.26	3.69	3.11	106.7°	0.2°	1.00	1.00
165°	3.26	3.15	2.92	148.3°	3.6°	1.00	1.00
180°	3.09	3.09	2.85	180.0°	3.4°	1.00	1.00
144.0° (r)	4.61	3.73	3.51	93.5°	0.1°	1.00	1.00

TWS = 8 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	5.23	2.62	11.43	36.3°	10.9°	1.00	0.96
70°	6.12	2.09	11.42	39.3°	14.1°	1.00	0.96
75°	6.44	1.67	11.26	41.1°	15.2°	1.00	0.96
80°	6.68	1.16	11.03	43.1°	15.3°	1.00	0.96
90°	6.96	0.00	10.38	47.9°	14.0°	1.00	0.98
110°	7.05	2.41	8.57	59.6°	8.4°	1.00	1.00
120°	6.88	3.44	7.45	67.1°	4.8°	1.00	1.00
135°	6.28	4.44	5.66	83.4°	0.0°	1.00	1.00
150°	5.40	4.68	4.23	110.4°	0.9°	1.00	1.00
165°	4.28	4.14	3.95	148.8°	3.7°	1.00	1.00
180°	4.08	4.08	3.84	180.0°	3.4°	1.00	1.00
148.0° (r)	5.53	4.69	4.38	106.0°	-0.1°	1.00	1.00

TWS = 10 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	6.01	3.01	13.60	36.3°	19.9°	1.00	0.94
70°	6.82	2.33	13.32	40.1°	22.1°	0.98	0.92
75°	7.07	1.83	13.04	42.5°	22.2°	0.97	0.93
80°	7.27	1.26	12.70	45.0°	22.1°	0.97	0.94
90°	7.55	0.00	11.88	50.5°	21.8°	1.00	0.95
110°	7.67	2.62	10.02	64.7°	13.5°	1.00	1.00
120°	7.57	3.79	8.91	73.0°	8.2°	1.00	1.00
135°	7.20	5.09	7.03	88.6°	1.8°	1.00	1.00
150°	6.35	5.50	5.44	114.3°	2.8°	1.00	1.00
165°	5.20	5.02	5.07	149.7°	4.7°	1.00	1.00
180°	4.99	4.99	4.92	180.0°	3.5°	1.00	1.00
148.0° (r)	6.51	5.52	5.59	109.9°	-0.1°	1.00	1.00

TWS = 12 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	6.31	3.16	15.40	37.7°	22.1°	0.91	0.92
70°	7.06	2.41	15.03	42.6°	22.2°	0.88	0.92
75°	7.29	1.89	14.70	45.4°	22.2°	0.88	0.92
80°	7.46	1.30	14.30	48.4°	22.1°	0.89	0.92
90°	7.75	0.00	13.36	54.6°	22.2°	0.92	0.93
110°	8.06	2.76	11.26	69.2°	19.2°	1.00	1.00
120°	7.99	4.00	10.30	78.6°	11.7°	1.00	1.00
135°	7.71	5.45	8.44	94.9°	3.4°	1.00	1.00
150°	7.12	6.16	6.73	118.3°	4.7°	1.00	1.00
165°	6.02	5.81	6.27	150.7°	5.4°	1.00	1.00
180°	5.79	5.79	6.09	180.0°	3.6°	1.00	1.00
149.5° (r)	7.16	6.17	6.78	117.2°	3.6°	1.00	1.00

TWS = 14 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	6.45	3.23	17.16	39.4°	22.4°	0.85	0.83
70°	7.17	2.45	16.71	44.9°	22.6°	0.85	0.78
75°	7.40	1.92	16.33	48.0°	22.5°	0.85	0.80
80°	7.57	1.31	15.89	51.3°	22.3°	0.85	0.83
90°	7.88	0.00	14.87	58.0°	22.2°	0.86	0.90
110°	8.37	2.86	12.56	73.1°	22.0°	0.98	0.95
120°	8.41	4.21	11.64	82.7°	15.9°	1.00	1.00
135°	8.11	5.73	9.93	100.0°	5.2°	1.00	1.00
150°	7.57	6.55	8.22	122.8°	5.1°	1.00	1.00
165°	6.77	6.54	7.53	151.7°	5.9°	1.00	1.00
180°	6.54	6.54	7.32	180.0°	3.6°	1.00	1.00
152.5° (r)	7.41	6.57	8.06	127.5°	3.9°	1.00	1.00

TWS = 16 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	6.36	3.18	18.79	41.2°	23.1°	0.85	0.66
70°	7.15	2.44	18.35	47.2°	22.8°	0.85	0.63
75°	7.40	1.91	17.95	50.5°	22.8°	0.85	0.65
80°	7.59	1.32	17.48	53.9°	22.6°	0.85	0.67
90°	7.95	0.00	16.41	61.0°	22.5°	0.85	0.75
110°	8.58	2.94	14.02	76.7°	22.1°	0.93	0.94
120°	8.85	4.43	12.79	85.7°	21.1°	1.00	1.00
135°	8.54	6.04	11.44	103.5°	7.6°	1.00	1.00
150°	7.88	6.82	9.83	126.6°	5.5°	1.00	1.00
165°	7.35	7.09	8.95	152.9°	6.8°	1.00	1.00
180°	7.18	7.18	8.67	180.0°	3.7°	1.00	1.00
176.5° (r)	7.20	7.19	8.67	173.6°	4.9°	1.00	1.00

TWS = 20 Kts

TWA	BTW	VMG	AWS	AWA	Heel	Reef	Flat
0.0° (b)	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
52°	-0.01	-0.01	0.00	0.0°	0.0°	0.00	0.00
60°	-0.01	-0.01	17.64	56.8°	28.1°	0.85	0.62
70°	-0.01	-0.01	17.33	67.6°	28.1°	0.85	0.62
75°	-0.01	-0.01	17.21	73.1°	28.1°	0.85	0.62
80°	-0.01	-0.01	17.12	78.7°	28.1°	0.85	0.62
90°	-0.01	-0.01	17.05	90.0°	28.1°	0.85	0.62
110°	8.92	3.05	17.04	82.3°	22.3°	0.85	0.85
120°	9.39	4.70	15.70	91.4°	22.1°	0.93	0.94
135°	9.51	6.72	14.32	108.3°	13.6°	1.00	1.00
150°	8.52	7.38	13.11	131.2°	6.0°	1.00	1.00
165°	8.04	7.77	12.22	155.3°	5.6°	1.00	1.00
180°	7.93	7.93	11.88	180.0°	3.9°	1.00	1.00
178.0° (r)	7.94	7.93	11.88	176.7°	2.0°	1.00	1.00