



ORC

Offshore Racing Congress
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2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **US6081**
Issued On **29/05/2020**
ORC Ref **03410000J6S**
VPP Ver. **2020 1.01**
Valid until **31/12/2020**

Crew Weight

Default 626kg
Maximum **626kg**
Minimum* **470kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	715.5	0.8386
Non Spin OSN	689.5	0.8702

Sails Limitations

Headsails **5** Spinnakers **4**

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 69.94**
Flying H/S: **No**
Spin. Pole: **No**

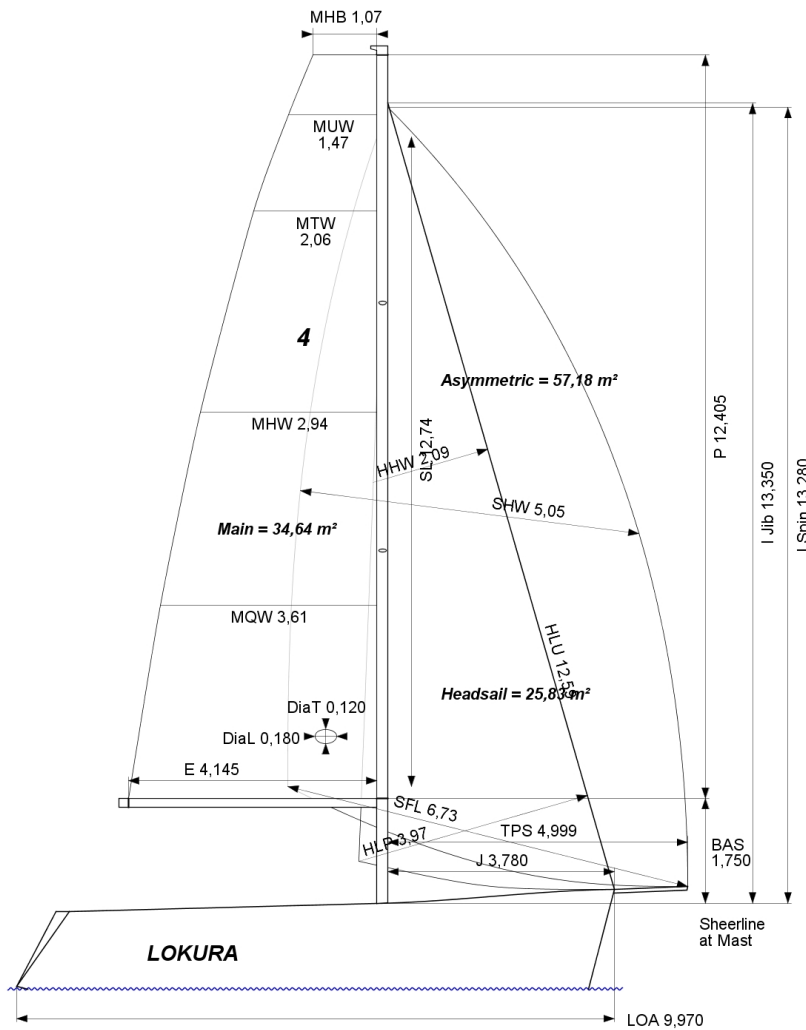
Class Division Length

CDL = 8.157

Stability (Estimated)

Limit Positive Stab.: **129.4°**
Stability Index: **131.0**

Owner



BOAT	GPH	HULL
Name Lokura Sail Nr 4	675.9	Data File US6081 LOA 9.970m Offset File SunOD349_cl+.o MB 3.434m Displacement 5,473kg Draft 1.854m
CLASS Class SUN ODYSSEY 349 Designer LOMBARD Builder JEANNEAU Series 01/2014 Age Date 01/2014 Age Allowance 0.195%		IMS Division Cruiser/Racer Dynamic All. 0.312% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 9.308m VCGD -0.140m Sink 18.24kg/mm RL 7.006m VCGM -0.005m WS 24.43m² LSM0 9.357m Displacement/Length ratio 6.6806
PROPELLER Installation Shaft exposed PRD 0.380 Type Solid 3 blades PIPA 0.0180		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	658.2	744.0
Time on Time	0.9115	0.9072
Triple Number	Low Medium High	Low Medium High
Time on Distance	780.1 596.2 534.3	1023.7 749.3 651.7
Time on Time	0.8653 1.1321 1.2633	0.6594 0.9009 1.0357

2020

ORC Club Certificate Appendix

BOAT	
Name Lokura	Certificate Number US6081
Sail Nr 4	Issued On 29/05/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1209.9	989.9	869.4	797.8	771.4	765.3	768.2
52°	775.8	651.0	577.1	540.9	527.3	523.5	523.3
60°	727.4	609.9	550.6	524.3	511.6	506.8	506.0
75°	659.7	558.4	518.9	502.7	494.9	486.8	479.0
90°	636.0	541.7	506.9	487.0	471.8	462.1	450.6
110°	663.6	554.8	511.7	487.0	464.6	444.9	417.5
120°	700.7	574.8	518.4	491.8	468.2	444.9	407.1
135°	778.4	630.8	545.8	508.7	485.1	461.8	417.9
150°	916.0	724.8	616.6	552.3	519.4	499.4	462.9
Run VMG	1057.7	836.9	712.0	637.7	591.4	540.9	493.0
Selected Courses							
Windward / Leeward	1133.8	913.4	790.7	717.8	681.4	653.1	630.6
Circular Random	935.5	752.9	655.1	598.8	565.2	544.2	520.3
Coastal / Long Distance	1126.2	853.3	706.7	618.9	575.1	541.7	490.8
Non Spinnaker	1013.1	805.9	692.2	625.2	584.3	558.9	531.4

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	45.0°	42.8°	42.0°	41.6°	41.3°	41.3°	41.6°
Beat VMG	2.98	3.64	4.14	4.51	4.67	4.70	4.69
52°	4.64	5.53	6.24	6.66	6.83	6.88	6.88
60°	4.95	5.90	6.54	6.87	7.04	7.10	7.11
75°	5.46	6.45	6.94	7.16	7.27	7.40	7.52
90°	5.66	6.65	7.10	7.39	7.63	7.79	7.99
110°	5.42	6.49	7.04	7.39	7.75	8.09	8.62
120°	5.14	6.26	6.94	7.32	7.69	8.09	8.84
135°	4.62	5.71	6.60	7.08	7.42	7.80	8.61
150°	3.93	4.97	5.84	6.52	6.93	7.21	7.78
Run VMG	3.40	4.30	5.06	5.65	6.09	6.66	7.30
Gybe Angles	146.0°	147.8°	147.3°	148.8°	174.0°	177.0°	178.5°