

Asymetric: 5000102 Omer 170 screecher.des

Design Info

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Initial Design Date: 14/1/2021

Boat:

Client:

Design File:

D:\dropbox\Dropbox\Fareast Sails\2021\5000102 Omer\5000102 Omer 170 screecher.des

Comments:

Lagoon 440

170 Screecher

Design Data

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Asymmetric

Measurements

Luff length (SLU): 16.900m
Leech length (SLE): 15.033m
Foot length (SFL): 8.925m
Headboard Width: 0.010m
Three-quarter width: 3.028m
Half width (SHW): 5.618m
Quarter width: 7.460m
ORC/IRC Area: 83.549m?
Surface Area: 80.398m?
Hoist height: 17.230m
J: 5.251m

Closest Pt: 2.651m

Closest Pt: 4.955m

Closest Pt: 6.677m

Luff Curve

10.349m, 0.000m
7.762m, 0.000m
5.175m, 0.000m
2.587m, 0.000m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.428m])

100% (16.662m) : 0.000m
90% (14.989m) : -0.409m
80% (13.320m) : -0.782m
70% (11.654m) : -1.063m
60% (9.993m) : -1.215m
50% (8.335m) : -1.236m
40% (6.678m) : -1.192m
30% (5.018m) : -1.031m
20% (3.354m) : -0.757m
10% (1.680m) : -0.395m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
-0.026m
-0.023m
0.022m
0.077m
0.121m
0.136m
0.131m
0.118m
0.080m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.020m	0.020m	0.020m
Zone: 1/b	0.020m	0.020m	0.020m
Zone: 2/a	0.020m	0.020m	0.020m
Zone: 2/b	0.020m	0.020m	0.020m
Zone: 3/a	0.020m	0.020m	0.020m
Zone: 3/b	0.020m	0.020m	0.020m
Zone: 4	0.020m	0.020m	0.020m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	17.90
Radial/Vertical	296.75
Bi-Radial Split	10.26

Materials

Material	Area (m ²)	Panels
Material 1	80.55	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1\14,1\15 1\16,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,1b\12,1b\13,1b\14 1b\15,1b\16,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2b\9,2b\8,2b\7,2b\6 2b\5,2b\4,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4,3\5 3\6,3\7,3\8,3b\8,3b\7 3b\6,3b\5,3b\4,3b\3,3b\2 3b\1,4\1,4\2,4\3,4\4 4\5,4\6,4\7,4\8,4\9 4\10,4\11,4\12

