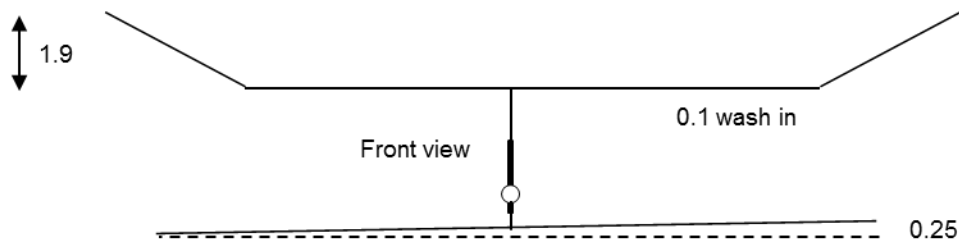


Motor Stick	.392
Tail boom + fin	.187
Wing	.355
Stab	.145
Prop	.280
Spacers + ballast	.045
<hr/>	
Total	1.404g



F1D 10 Sweet Luke Returns by Yuan Kang Lee

1st place, 2024 World Championship
Slanic Prahova, Romania
Tan II 5/99 30.3 mg/in (1.19 g/m)
29:41 (1405 turns) + 28:57 (1383)

F1D 10	Yuan Kang Lee		
component	description	lb/ft ³	mg
Wing			355
spars (2)	045 x 065 -> 045 x 035 (2x .003 boron)	4.5	109
tips (2)	.032 x .055 -> .032 x .040	5.0	64
middle ribs (2)	.032 x .060 C	4.0	30
comp ribs (2)	.025 x .065 C	4.5	30
tubes (2)	.064 ID .001 polyimide		5
covering	OS Film		
Motor Stick			392
Blank	.015, .240 id 3 x .003 boron (2,10,6)	4.0	127
bracing post	.055 x .055	12	15
wing posts (2)	.070 x .040(2 x .004 boron)	6.0	44
bracing line	Kevlar thread, 6 lb tested		10
bearing	Harlan		25
tail hook	.013 music wire		15
front web	.025 x .80 C	5.0	9
rear web	.025 x .70 C	5.0	12
extension	.012 (2 x .003 boron)	4.0	75
Stab			145
spars	.024 x .041 (2 x .003 boron)	4.9	48
ribs (3)	.024 x .040	4.8	19
covering	OS Film		
Tail boom			169
Blank	.010 (3 x .003 boron)	4.0	115
stab posts (2)	.052 x .052	6.0	6
Rudder			18
outline	.025 x .025		
Prop	17.5" diameter formed on Treger block at 18.5"		280
outline	.024 x .045, tapered root to tip 2 x .003 boron	5.0	18
ribs (5)	.024 x .024, .024 x .050 1st rib 2 x .003 boron, 4 x on 1st rib	5.0	15
spar	.070 x .070 -> .060 x .060 2 x .003 boron	5.8	17
covering	OS Film		

