

Laser and Laser Radial Speeds Under Various Wind Ranges

Laser Radial								
Wind Range	5 - 8 Knots		8 - 12 Knots		12 - 15 Knots		15+ Knots	
Units	Min/Nm	Min/km	Min/Nm	Min/km	Min/Nm	Min/km	Min/Nm	Min/km
Upwind Speed	22	11.9	20	10.8	17	9.2	16	8.6
Run Speed	18	9.7	14	7.6	10	5.4	9	4.9
Reach Speed	13	7.0	10	5.4	8	4.3	7	3.8
Laser Full								
Wind Range	5 - 8 Knots		8 - 12 Knots		12 - 15 Knots		15+ Knots	
Units	Min/Nm	Min/km	Min/Nm	Min/km	Min/Nm	Min/km	Min/Nm	Min/km
Upwind Speed	20	10.8	19	10.3	16	8.6	15	8.1
Run Speed	17	9.2	12	6.5	10	5.4	9	4.9
Reach Speed	12	6.5	9	4.9	7	3.8	6	3.2

Indicative 60-60-60 Leg Distances

Triangle

wind range	5-8 knots	8-12 knots	12-15 Knots	15+ Knots
Leg length for 15 min Race (nm)	0.3	0.4	0.5	0.6
Leg length for 15 min Race (km)	0.6	0.6	0.8	1.0
Leg length for 20 min Race (nm)	0.4	0.5	0.5	0.6
Leg length for 20 min Race (km)	0.7	0.9	1.0	1.1
Leg length for 25 min Race (nm)	0.5	0.6	0.7	0.8
Leg length for 25 min Race (km)	0.9	1.1	1.2	1.4
Leg length for 30 min Race (nm)	0.6	0.7	0.9	1.1
Leg length for 30 min Race (km)	1.1	1.3	1.7	2.0
Leg length for 45 min Race (nm)	1.0	1.1	1.5	1.7
Leg length for 45 min Race (km)	1.9	2.0	2.8	3.1
Leg length for 60 min Race (nm)	1.2	1.4	1.6	1.8
Leg length for 60 min Race (km)	2.2	2.6	3.0	3.0

Sausage

wind range	5-8 knots	8-12 knots	12-15 Knots	15+ Knots
Leg length for 15 min Race (nm)	0.5	0.5	0.6	0.7
Leg length for 15 min Race (km)	0.8	0.9	1.1	1.2
Leg length for 20 min Race (nm)	0.6	0.7	0.8	0.9
Leg length for 20 min Race (km)	1.1	1.3	1.5	1.6
Leg length for 25 min Race (nm)	0.8	0.8	1.0	1.1
Leg length for 25 min Race (km)	1.4	1.6	1.8	2.0
Leg length for 30 min Race	0.9	1.0	1.2	1.3

(nm)				
Leg length for 30 min Race (km)	1.7	1.9	2.2	2.4
Leg length for 45 min Race (nm)	1.2	1.5	1.7	1.8
Leg length for 45 min Race (km)	2.2	2.8	3.1	3.3
Leg length for 60 min Race (nm)	1.8	2.0	2.4	2.6
Leg length for 60 min Race (km)	3.4	3.8	4.4	4.8

2 Sausages

wind range	5-8 knots	8-12 knots	12-15 Knots	15+ Knots
Leg length for 15 min Race (nm)	0.2	0.3	0.3	0.3
Leg length for 15 min Race (km)	0.4	0.5	0.6	0.6
Leg length for 20 min Race (nm)	0.3	0.3	0.4	0.4
Leg length for 20 min Race (km)	0.6	0.6	0.7	0.8
Leg length for 25 min Race (nm)	0.4	0.4	0.5	0.5
Leg length for 25 min Race (km)	0.7	0.8	0.9	1.0
Leg length for 30 min Race (nm)	0.5	0.5	0.6	0.7
Leg length for 30 min Race (km)	0.8	0.9	1.1	1.2
Leg length for 45 min Race (nm)	0.6	0.8	0.9	0.9
Leg length for 45 min Race (km)	1.1	1.4	1.6	1.7
Leg length for 60 min Race (nm)	0.9	1.0	1.2	1.3
Leg length for 60 min Race (km)	1.7	1.9	2.2	2.4

Triangle + Sausage

wind range	5-8 knots	8-12 knots	12-15 Knots	15+ Knots
Leg length for 30 min Race (nm)	0.4	0.5	0.6	0.6

Leg length for 30 min Race (km)	0.6	0.8	1.0	1.1
Leg length for 45 min Race (nm)	0.5	0.7	0.8	0.9
Leg length for 45 min Race (km)	1.0	1.3	1.5	1.7
Leg length for 60 min Race (nm)	0.7	0.9	1.1	1.2
Leg length for 60 min Race (km)	1.3	1.7	2.0	2.2
Leg length for 90 min Race (nm)	1.1	1.3	1.5	1.6
Leg length for 90 min Race (km)	2.0	2.4	2.8	3.0
Leg length for 120 min Race (nm)	1.4	1.8	2.2	2.4
Leg length for 120 min Race (km)	2.6	3.4	4.0	4.4

Triangle-Sausage-Triangle

wind range	5-8 knots	8-12 knots	12-15 Knots	15+ Knots
Leg length for 30 min Race (nm)	0.3	0.3	0.4	0.5
Leg length for 30 min Race (km)	0.5	0.6	0.7	0.8
Leg length for 45 min Race (nm)	0.4	0.5	0.6	0.7
Leg length for 45 min Race (km)	0.7	0.8	1.1	1.3
Leg length for 60 min Race (nm)	0.5	0.6	0.8	0.9
Leg length for 60 min Race (km)	0.9	1.1	1.5	1.7
Leg length for 90 min Race (nm)	0.7	0.9	1.2	1.4
Leg length for 90 min Race (km)	1.3	1.7	2.4	2.6
Leg length for 120 min Race (nm)	0.9	1.1	1.4	1.6
Leg length for 120 min Race (km)	1.7	2.0	2.6	3.0

Triangle-Sausage-Triangle-Sausage

wind range	5-8 knots	8-12 knots	12-15 Knots	15+ Knots
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Leg length for 30 min Race (nm)	0.2	0.3	0.3	0.4
Leg length for 30 min Race (km)	0.4	0.5	0.6	0.6
Leg length for 45 min Race (nm)	0.3	0.4	0.5	0.5
Leg length for 45 min Race (km)	0.6	0.7	0.8	1.0
Leg length for 60 min Race (nm)	0.4	0.5	0.6	0.7
Leg length for 60 min Race (km)	0.7	0.9	1.1	1.3
Leg length for 90 min Race (nm)	0.5	0.6	0.8	1.0
Leg length for 90 min Race (km)	0.9	1.1	1.5	1.9
Leg length for 120 min Race (nm)	0.7	0.9	1.1	1.2
Leg length for 120 min Race (km)	1.3	1.7	2.0	2.2