

COURSE MEASUREMENT

Rekordløpet Lier 2021



SUMMARY SHEET

EVENT: *Rekordløpet*

LOCATION: *Lier, Norway*

DATE: *9 October 2021*

Promoting Organisation: Spikkestad Løpeklub

Name & Address of race director: André Hjorteseth

Email: Andrehjorteseth.privat@gmail.com

Distance: *The course is not less than 5,000 m*
Measured by *Peer Jensen, Denmark*

Date: *23 September 2021, 20:00-20:20*

Measurement method: *Jones counter mounted on bicycle wheel*

Elevation, if not same, of: START 0 m FINISH -3 m
Distance, in a straight line, between start & finish: *600 m*

Description of the Course

Terrain: *nearly flat*

Race surface: *tarmac roads*

Course configuration: *point to point*

Start point: *Lierbakkene. On sidewalk by last curb before exit south from fuel station*

Finish line: *Tuverudveien, 1 m after a big tree 20 m before tunnel (train above)*

Measurement Details

Section of road available: *The runners use only bicycle paths.*

Line to be taken at turns: *Shortest possible route.*

SIGNED: ... *Peer Jensen* DATE: *2021-10-13*

STEEL TAPING DATA

EVENT: *Rekordløpet*
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For measuring a calibration course

Name of calibration course: Bølstadveien
City/town and State: Spikkestad, Norway
Date: 23 September 2021
Start time: 17:30
Finish time: 17:55
Pavement temperature: Start 13 °C Finish 13 °C Average 13 °C

Measurements and calculations:

First measurement. 50.00 m x 6 = 300 m
Second measurement. 50.00 m x 6 = 300 m
Average raw (uncorrected) measurement of course: 300 m
Temperature correction.
Correction factor = $1 - (7 * 0.0000805) = 0.9999195$

Final (adjusted) length of calibration course $300 * 0.9999195 = 299.975$ m

Calibrations

Pre-measurement

Date/Time 23 September 2021 19:30
Temp. 12 °C

Start	End	Reading
721400	724895	3495
724900	728394	3494
728400	731895	3495
731900	735396	3496

Average 3495

Working Constant 11651/km
+ 1 % 11.50/km
Pre-measurement constant 11662.50/km

Post-measurement

Date/Time 23 September 2021 20:40
Temp 12 °C

Start	End	Reading
774700	778196	3496
778200	781696	3496
781700	785195	3495
785200	788697	3497

Average 3496

Working Constant 11654.30/km
 11.65/km
Post-measurement constant 11666/km

Measurement working constant: **11662.50/km**
Constant for the Day (average): **11664.25/km**

CALIBRATION COURSE MAP

EVENT: *Rekordløpet*
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Calibration course 300 metres (part of race course)
Distance to start point 100 metres direction south.

MEASUREMENT PROCEDURE

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Measurement working constant: **11662.50**
Measurement constant for the day **11664.25**

Measurement of the course:

20:00

Counter	Counts	Distance	Fix point
735700	0	0.00 m	Lierbakkene. Last curb before exit south from fuel station
794013	58313	5,000.00 m	Tuverudbakken, at a big tree 20 m before tunnel

Conclusion: With the constant for the day 11664.25 the course is $58313/11.66425 = 4.999$ m
The finish line must be moved 1 meter in running direction

MAP of finish area

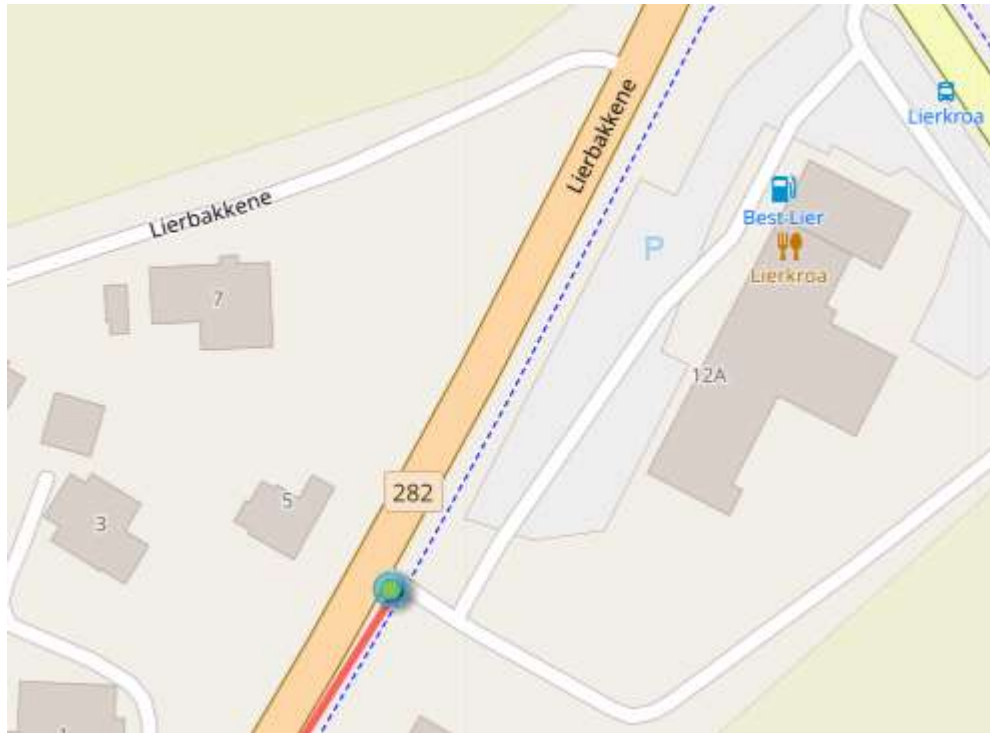
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Finish line: **Tuverudveien, 1 m after a big tree 20 m before tunnel (train above)**

MAP of start area

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Start point: **Lierbakkene. Exit south from fuel station**

MAP of the course

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