

DCA24LA318

OPERATIONAL FACTORS

Attachment 3

Landing Distance Calculation

October 22, 2024

ERJ-170/175 In-Flight Normal Landing Distance

Aircraft Type

E170

Flap Lever Position

5Full

Thrust Reversers

BothNone

VAPP = VREF+5

-+

Landing Weight

70,000

-+

Anti-ice ON

☐

CAT II

☐

Stall Prot

☐

Ice Accretion

☐

Ice Speeds

☐

Pressure Altitude

1000

-+

OAT° C

24

-+

Headwind

(negative for tailwind)

5

-+

Braking Action

6 - Dry

-+

Runway Condition Assessment Matrix

Short Runway Station

☐

None

Calculate

130135154187

VREFVAPPVACVFS

Reset

E170

Audit

90,300 (72,310 structural)

Climb Limited Max Landing Weight (for Dispatch Purposes Only)

4535 feet

Landing Distance

Normal

Non-Normal