

Calculation report

12-05-2020

Airport details

Name: (LGW) Gatwick Airport
Runway: 26R/08L
Blast protection: -
Strip end: -

Obstacle details

Name: Boeing737
Width: 100.0m
Height: 12.0m
(Distance) right threshold: 3646.0m
(Distance) left threshold: -50.0m
(Distance) center: 0.0m

Re-declaration breakdown

08L (Taking Off Towards, Landing Towards)

TORA = Distance From Threshold + Runway Threshold - (Slope Calculation)
- Strip End
= $3646.0 + 307.0 - (12.0 * 50.0) - 60.0$
= 3293.0

ASDA = (R) TORA
= 3293.0

TODA = (R) TODA
= 3293.0

LDA = Distance from Threshold - RESA - Strip End
= $3646.0 - 240.0 - 60.0$
= 3346.0

26R (Taking Off Away, Landing Over)

TORA = Original TORA - Blast Protection - Distance From Threshold -
Displaced Threshold
= $2565.0 - 300.0 - 50.0 - 0.0$
= 2315.0

ASDA = (R) TORA + STOPWAY
= 2315.0 + 111.0

TODA = (R) TORA + Clearway
= 2315.0 + 233.0

LDA = Original LDA - Distance From Threshold - Slope Calculation - Strip
End
= $2565.0 - 50.0 - (12.0 * 50.0) - 60.0$
= 1955.0

Runway designator	TORA	TODA	ASDA	LDA
Original Values				
26R	2565.0m	2565.0m	2565.0m	2565.0m
08L	2565.0m	2565.0m	2565.0m	2565.0m
Recalculated Values				
26R	2315.0m	2548.0m	2426.0m	1955.0m
08L	3293.0m	3293.0m	3293.0m	3346.0m

Visualisation of re-declared distances

