# FLIGHT PROFILE

AIRCRAFT:_____

1. BEST L/D:_____/1 @ _____KTS.

PLUS 1/2 WINDSPEED: _____KTS.

= SPEED TO FLY: _____ KTS.

2. L/D @ _____KTS. = _____ /1
(wind adjusted glide ratio)

DEPARTURE: _____ FIELD ELEV._____ PATTERN ALT._____MSL

DESTINATION: _____ FIELD ELEV._____ PATTERN ALT._____MSL

DISTANCE:_____MI.

WIND:_____° @ _____KTS.

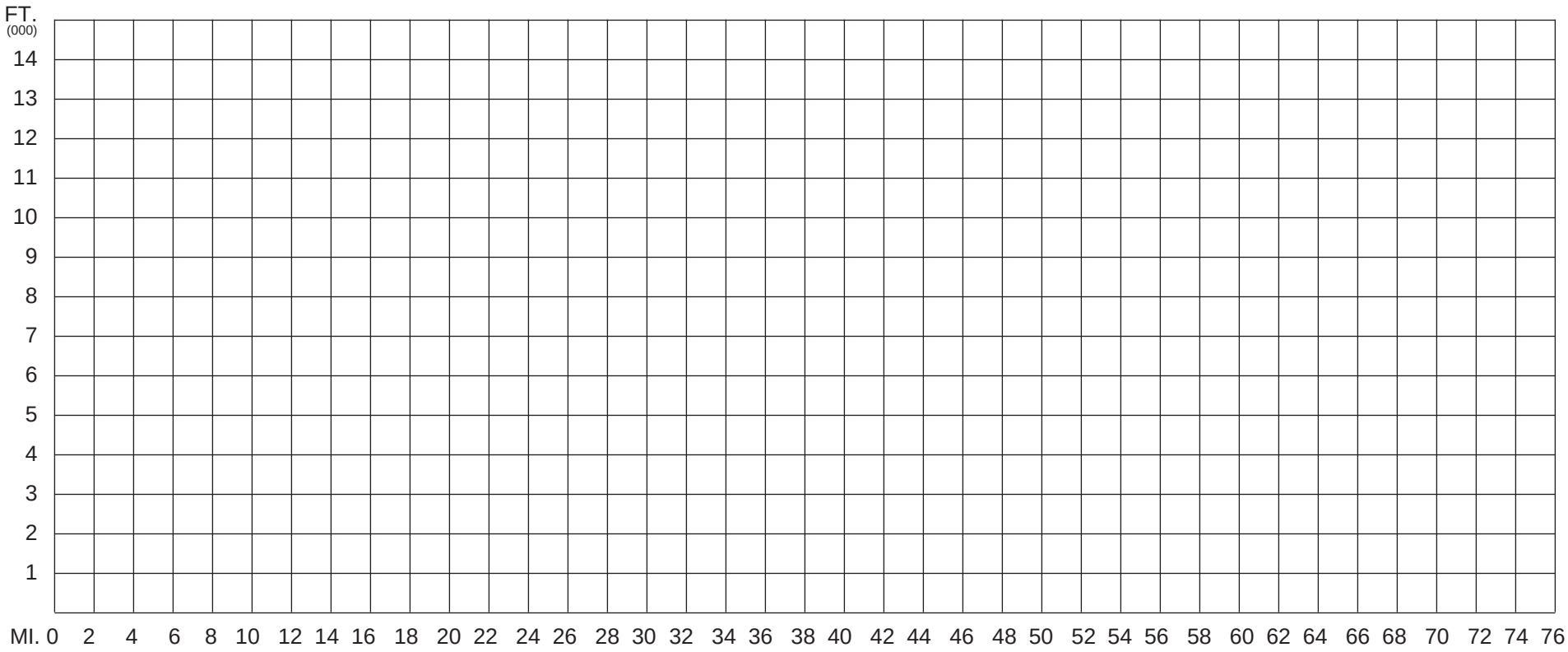
For pattern altitude, add 1,000 ft. to field elevation.
OBSTACLE CLEARANCE: • 1,500 ft. with headwind
• 500 ft. with tailwind

GLIDE RATIO WITH HEADWIND:

Formula: $\frac{\text{(Speed to fly — wind)}}{\text{Speed to fly}}$ X wind adjusted glide ratio X .7 = Adjusted glide angle

Formula: ( — )
_____ = _____% X _____ = _____ X .7 = _____/1
_____

GLIDE RATIO WITH TAILWIND:

Formula: $\frac{\text{(Best L/D speed + wind)}}{\text{Best L/D speed}}$ X best L/D glide ratio X .7 = Adjusted glide angle

Formula: ( + )
_____ = _____% X _____ = _____ X .7 = _____/1
_____