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: _____

DESTINATION: _____

DISTANCE:_____MI.

WIND:_____° @ _____KTS.

FIELD ELEV._____ PATTERN ALT._____MSL

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

SF: Safety Factor : glide slope reduction 0.5 ~ 0.7

GLIDE RATIO WITH HEADWIND:

Formula: $\dfrac{\text{(Speed to fly} - \text{wind)}}{\text{Speed to fly}}$ X wind adjusted glide ratio X SF = Adjusted glide angle

Formula: $\dfrac{(\qquad - \qquad)}{\underline{\hspace{2cm}}}$ = _____% X _____ = _____ X .____= _____ :1

_____   safety factor

GLIDE RATIO WITH TAILWIND:

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

Formula: $\dfrac{(\qquad + \qquad)}{\underline{\hspace{2cm}}}$ = _____% X _____ = _____ X .____= _____:1

_____   safety factor

FT.
(000)

| 14 |
| 13 |
| 12 |
| 11 |
| 10 |
| 9 |
| 8 |
| 7 |
| 6 |
| 5 |
| 4 |
| 3 |
| 2 |
| 1 |

MI. 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76