

# COPTER ILS or LOC RWY 31

ASOS <b>120.0</b>	MINNEAPOLIS CENTER <b>120.9 377.1</b>	UNICOM <b>122.8 (CTAF) 0</b>
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**Flight Profile Diagram:**

- Start at 2500 ft, climb to 3400 ft (IN).
- Descent to 1620 ft (ALETE INL 2.2, INL 0.7).
- Descent to 1224 ft (2099 X 75, 0.4 NM).
- Descent to 313° 6.5 NM from FAF (HIRL Rwy 13-31).
- Descent to 1620 ft (1.5 NM, 5 NM).
- Descent to 3400 ft (3307, 133°, 313°).
- Descent to 1224 ft (2099 X 75, 0.4 NM).
- Descent to 313° 6.5 NM from FAF (HIRL Rwy 13-31).

**Table:**

CATEGORY	COPTER	B	C	D
H-ILS 31	1366- $\frac{1}{4}$ 200 (200- $\frac{1}{4}$ )		NA	
H-LOC 31	1620- $\frac{3}{8}$ 454 (500- $\frac{3}{8}$ )		NA	
CIRCLING	NA			
ALETE FIX MINIMUMS				
H-LOC 31	1520- $\frac{1}{4}$ 354 (400- $\frac{1}{4}$ )		NA	
CIRCLING	NA			

NC-1, 03 DEC 2020 to 31 DEC 2020