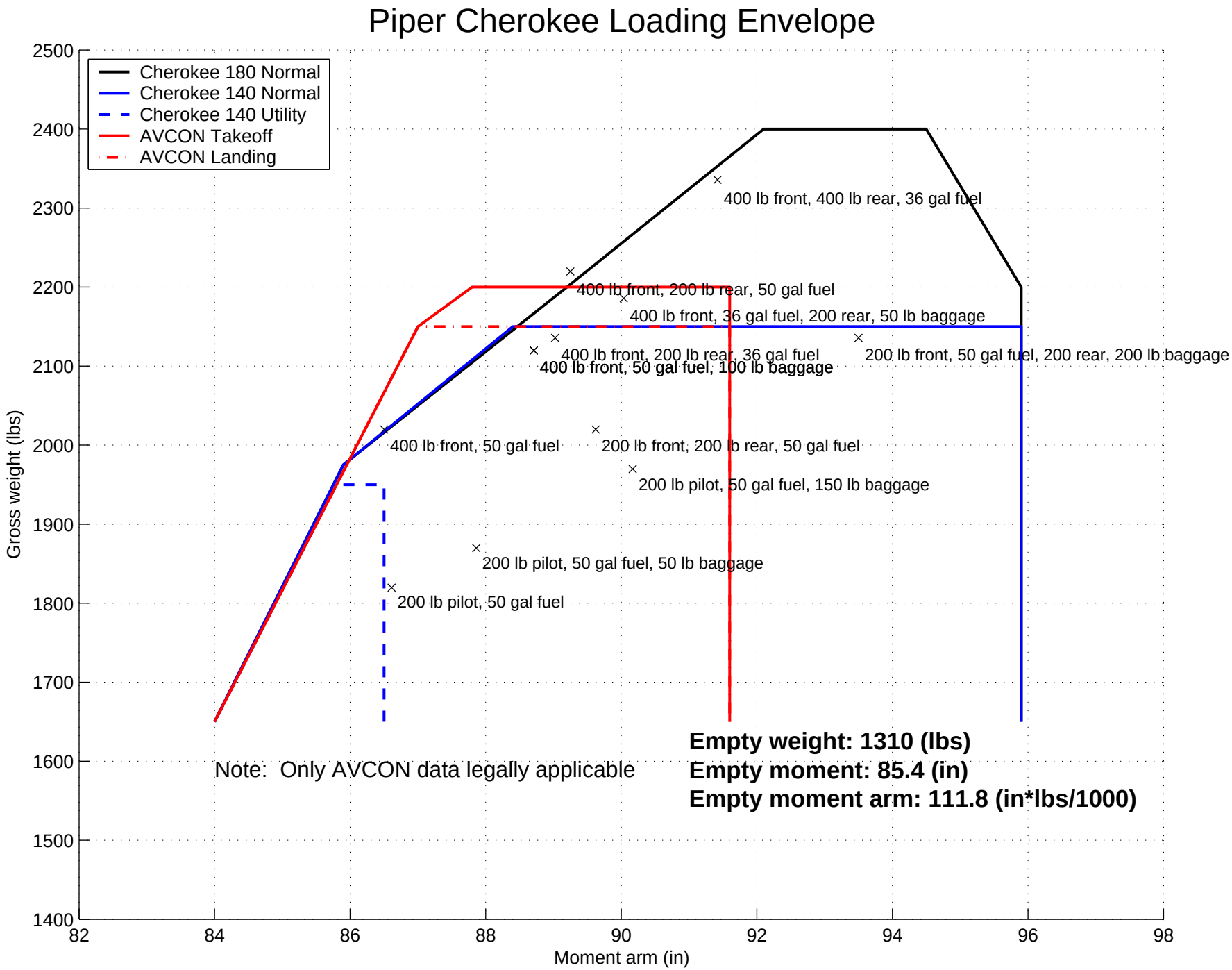
Piper Cherokee Loading Envelope
Cherokee 180 Normal
Cherokee 140 Normal
Cherokee 140 Utility
AVCON Takeoff
AVCON Landing
400 lb front, 400 lb rear, 36 gal fuel
400 lb front, 200 lb rear, 50 gal fuel
400 lb front, 36 gal fuel, 200 rear, 50 lb baggage
400 lb front, 200 lb rear, 36 gal fuel
200 lb front, 50 gal fuel, 200 rear, 200 lb baggage
400 lb front, 50 gal fuel, 100 lb baggage
400 lb front, 50 gal fuel
200 lb front, 200 lb rear, 50 gal fuel
200 lb pilot, 50 gal fuel, 150 lb baggage
200 lb pilot, 50 gal fuel, 50 lb baggage
200 lb pilot, 50 gal fuel
Note: Only AVCON data legally applicable
Empty weight: 1310 (lbs)
Empty moment: 85.4 (in)
Empty moment arm: 111.8 (in*lbs/1000)
Gross weight (lbs)
Moment arm (in)
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
82
84
86
88
90
92
94
96
98