

C-66-330-000/BC-001

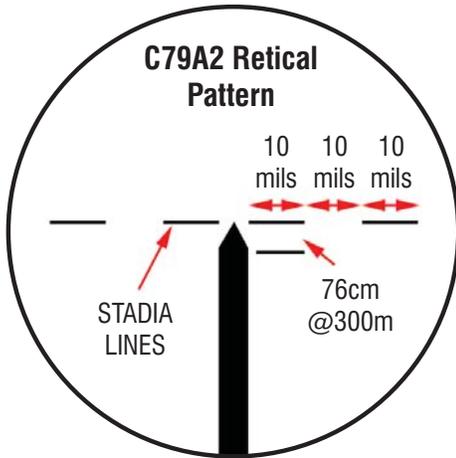


# FACT SHEET C79A2-1 OPTICAL SIGHT

Power. 3.4

Manufactured by. Raytheon Canada Ltd.  
(dba Elcan Optical Technologies)

Stadia Lines. Vertical Measure of average man at 600 m



## Range Estimation

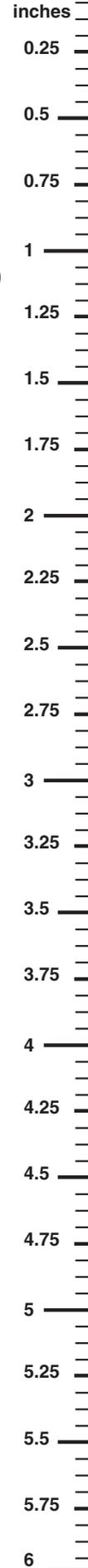


**Adjustments.** DO NOT use a screwdriver on the windage (Azimuth) adjustment screw. It was designed for a coin. Hand-tighten wing nuts after each shoot as they have a tendency to loosen.

**Maintenance.** Clean gently with a soft brush. Clean lens only with a soft cloth and lens cleaner or water.

**Handling.** Treat your Optical Sight like your life depends on it - **IT DOES!**

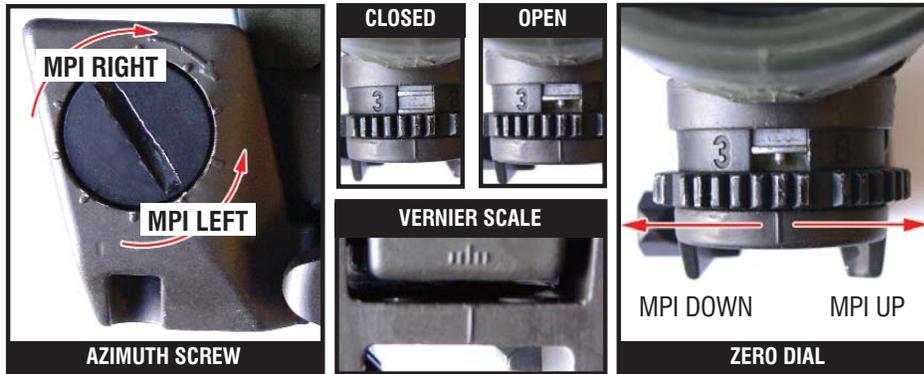
**Optical Sight Position.** Loosen wing nuts and move Optical Sight back and forth on rail until you have a full view in the lens near the eye. Ensure that the Optical Sight is seated squarely on the rail and grooves: then retighten.





**MPI.** Mean Point of Impact of a fired group of shots on a target.

**OPTICAL SIGHT ADJUSTMENT.** Each click of windage (Azimuth) screw moves MPI left or right 28 mm at 100 m (1 in at 100 yd). Each click of Zero Dial moves MPI up or down 28 mm at 100 m (1 in at 100 yd).



**ZEROING.**

1. Rough Zero Optical Sight:
  - a. Set Range Dial to 200 m and flip the lock plate upward to the unlocked (open) position and adjust V-plate parallel to the sight base by turning Zero Dial.
  - b. Centre the Vernier Scale by turning windage (Azimuth) screw.
2. Flip the lock plate down to the locked (closed) position: Fire test group at 100 m.
3. Measure distance between the MPI and the Point of Aim.
4. Set Range Dial to 200 m and flip the lock plate upward to the unlocked (open) position. Adjust MPI by turning the Zero Dial and windage (Azimuth) screw, and then flip the lock plate down to the locked (close) position.
5. Re-shoot and repeat steps 3 and 4 until zeroed.

**NOTE:** Zero group 38mm high at 100 m (1.5 in at 100 yd) to allow for correct fall of shot at 200 m (200 yd).

**MINUTE OF ANGLE.** 1 click movement = 1 Minute of Angle (MOA). See below.

Range (M)	MOA	Range (Yd)	MOA
25	7 mm (.28 in)	25	6 mm (.25 in)
100	28 mm (1.1 in)	100	25 mm (1 in)
200	55 mm (2.2 in)	200	50 mm (2 in)
300	83 mm (3.3 in)	300	75 mm (3 in)
400	110 mm (4.4 in)	400	100 mm (4 in)
500	138 mm (5.5 in)	500	125 mm (5 in)
600	165 mm (6.6 in)	600	150 mm (6 in)

**NOTE:** Numbers are rounded to the nearest mm.