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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

**Form 6-K**

Report of Foreign Private Issuer  
Pursuant to Rule 13a-16 or 15d-16  
under the Securities Exchange Act of 1934

For the month of January 2025

Commission file number: 001-41334

**RAIL VISION LTD.**

(Translation of registrant's name into English)

**15 Ha'Tidhar St  
Ra'anana, 4366517 Israel**  
(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F  Form 40-F

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On January 22, 2025, Mark Cleobury informed Rail Vision Ltd. (the “Company”) of his resignation from the Company’s Board of Directors, which is expected to be effective in February 2025. Mr. Cleobury stated that his resignation is due to personal reasons and not due to any disagreements or dispute with the Company.

This Form 6-K is incorporated by reference into the Registrant’s Registration Statements on Form F-3 (File Nos. [333-271068](#), [333-272933](#), [333-276869](#), [333-277963](#) and [333-278645](#)) and Form S-8 (File Nos. [333-265968](#) and [333-281329](#)), filed with the Securities and Exchange Commission, to be a part thereof from the date on which this report is submitted, to the extent not superseded by documents or reports subsequently filed or furnished.

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

**Rail Vision Ltd.**

Date: January 27, 2025

By: /s/ Ofer Naveh

Name: Ofer Naveh

Title: Chief Financial Officer

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