

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

**SCHEDULE 13G**

**UNDER THE SECURITIES EXCHANGE ACT OF 1934**

**Luminar Technologies, Inc.**

(Name of Issuer)

**Common Stock, par value \$0.0001 per share**

(Title of Class of Securities)

**550424303**

(CUSIP Number)

**12/31/2024**

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

**SCHEDULE 13G**

**CUSIP No.** 550424303

1	<b>Names of Reporting Persons</b> Bank of Montreal
2	<b>Check the appropriate box if a member of a Group (see instructions)</b> <input type="checkbox"/> (a) <input type="checkbox"/> (b)
3	<b>Sec Use Only</b>
4	<b>Citizenship or Place of Organization</b> CANADA (FEDERAL LEVEL)

Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 1,641,903.00
	6	Shared Voting Power 0.00
	7	Sole Dispositive Power 1,641,903.00
	8	Shared Dispositive Power 0.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person 1,641,903.00	
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) <input type="checkbox"/>	
11	Percent of class represented by amount in row (9) 6.1 %	
12	Type of Reporting Person (See Instructions) HC	

SCHEDULE 13G

CUSIP No.	550424303
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1	Names of Reporting Persons BMO FINANCIAL CORP.	
2	Check the appropriate box if a member of a Group (see instructions) <input type="checkbox"/> (a) <input type="checkbox"/> (b)	
3	Sec Use Only	
4	Citizenship or Place of Organization DELAWARE	
Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 1,635,700.00
	6	Shared Voting Power 0.00
	7	Sole Dispositive Power 1,635,700.00
	8	Shared Dispositive Power 0.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person 1,635,700.00	
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) <input type="checkbox"/>	

11	Percent of class represented by amount in row (9) 6 %
12	Type of Reporting Person (See Instructions) HC

SCHEDULE 13G

CUSIP No.	550424303
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1	<b>Names of Reporting Persons</b> BMO BANK N.A.								
2	<b>Check the appropriate box if a member of a Group (see instructions)</b> <input type="checkbox"/> (a) <input type="checkbox"/> (b)								
3	<b>Sec Use Only</b>								
4	<b>Citizenship or Place of Organization</b> ILLINOIS								
Number of Shares Beneficially Owned by Each Reporting Person With:	<table border="1"> <tr> <td>5</td> <td><b>Sole Voting Power</b> 1,600,000.00</td> </tr> <tr> <td>6</td> <td><b>Shared Voting Power</b> 0.00</td> </tr> <tr> <td>7</td> <td><b>Sole Dispositive Power</b> 1,600,000.00</td> </tr> <tr> <td>8</td> <td><b>Shared Dispositive Power</b> 0.00</td> </tr> </table>	5	<b>Sole Voting Power</b> 1,600,000.00	6	<b>Shared Voting Power</b> 0.00	7	<b>Sole Dispositive Power</b> 1,600,000.00	8	<b>Shared Dispositive Power</b> 0.00
	5	<b>Sole Voting Power</b> 1,600,000.00							
	6	<b>Shared Voting Power</b> 0.00							
	7	<b>Sole Dispositive Power</b> 1,600,000.00							
8	<b>Shared Dispositive Power</b> 0.00								
9	<b>Aggregate Amount Beneficially Owned by Each Reporting Person</b> 1,600,000.00								
10	<b>Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)</b> <input type="checkbox"/>								
11	<b>Percent of class represented by amount in row (9)</b> 6 %								
12	<b>Type of Reporting Person (See Instructions)</b> BK								

SCHEDULE 13G

Item 1.

- (a) **Name of issuer:**  
Luminar Technologies, Inc.

(b) **Address of issuer's principal executive offices:**  
2603 Discovery Drive Suite 100 Orlando, FLORIDA 32826

**Item 2.**

(a) **Name of person filing:**  
Bank of Montreal  
BMO FINANCIAL CORP.  
BMO BANK N.A.

(b) **Address or principal business office or, if none, residence:**

1 First Canadian Place  
Toronto, Ontario, Canada  
M5X1A1

(c) **Citizenship:**  
Bank of Montreal - CANADA (FEDERAL LEVEL)  
BMO FINANCIAL CORP. - DELAWARE  
BMO BANK N.A. - ILLINOIS

(d) **Title of class of securities:**  
Common Stock, par value \$0.0001 per share

(e) **CUSIP No.:**  
550424303

**Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
- (e)  An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:
- (k)  Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

**Item 4. Ownership**

(a) **Amount beneficially owned:**  
1641903

(b) **Percent of class:**  
6.1 %

(c) **Number of shares as to which the person has:**

**(i) Sole power to vote or to direct the vote:**

Bank of Montreal - 1,641,903

BMO FINANCIAL CORP. - 1,635,700

BMO BANK N.A. - 1,600,000

**(ii) Shared power to vote or to direct the vote:**

Bank of Montreal - 0

BMO FINANCIAL CORP. - 0

BMO BANK N.A. - 0

**(iii) Sole power to dispose or to direct the disposition of:**

Bank of Montreal - 1,641,903

BMO FINANCIAL CORP. - 1,635,700

BMO BANK N.A. - 1,600,000

**(iv) Shared power to dispose or to direct the disposition of:**

Bank of Montreal - 0

BMO FINANCIAL CORP. - 0

BMO BANK N.A. - 0

**Item 5. Ownership of 5 Percent or Less of a Class.**

**Item 6. Ownership of more than 5 Percent on Behalf of Another Person.**

If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to that effect should be included in response to this item and, if such interest relates to more than 5 percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of employee benefit plan, pension fund or endowment fund is not required.

In its capacity as trustee, BMO Bank N.A. has sole voting power and sole dispositive power of 1,600,000 Class A Common Shares held of record by BMO Bank N.A., as trustee of the AKR Luminar Holdings Family Trust GRAT B.

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.**

If a parent holding company has filed this schedule, pursuant to Rule 13d-1(b)(ii)(G), so indicate under Item 3(g) and attach an exhibit stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company has filed this schedule pursuant to Rule 13d-1(c) or Rule 13d-1(d), attach an exhibit stating the identification of the relevant subsidiary.

[See Documents.](#)

**Item 8. Identification and Classification of Members of the Group.**

If a group has filed this schedule pursuant to §240.13d-1(b)(1)(ii)(K), so indicate under Item 3(k) and attach an exhibit stating the identity and Item 3 classification of each member of the group. If a group has filed this schedule pursuant to §240.13d-1(c) or §240.13d-1(d), attach an exhibit stating the identity of each member of the group.

Each reporting person may be deemed to be a member of a group with respect to the issuer or securities of the issuer for the purposes of Section 13(d) or 13(g) of the Act. Each reporting person declares that neither the filing of this statement nor anything herein shall be construed as an admission that such person is, for the purposes of Section 13(d) or 13(g) of the Act or any other purpose, (i) acting (or has agreed or is agreeing to act) with any other person as a partnership, limited partnership, syndicate, or other group for the purpose of acquiring, holding, or disposing of securities of the issuer or otherwise with respect to the issuer or any securities of the issuer or (ii) a member of any syndicate or group with respect to the issuer or any securities of the issuer.

**Item 9. Notice of Dissolution of Group.**

Notice of dissolution of a group may be furnished as an exhibit stating the date of the dissolution and that all further filings with respect to transactions in the security reported on will be filed, if required, by members of the group, in their individual capacity. See Item 5.

Each reporting person may be deemed to be a member of a group with respect to the issuer or securities of the issuer for the purposes of Section 13(d) or 13(g) of the Act. Each reporting person declares that neither the filing of this statement nor anything herein shall be construed as an admission that such person is, for the purposes of Section 13(d) or 13(g) of the Act or any other purpose, (i) acting (or has agreed or is agreeing to act) with any other person as a partnership, limited partnership, syndicate, or other group for the purpose of acquiring, holding, or disposing of securities of the issuer or otherwise with respect to the issuer or any securities of the issuer or (ii) a member of any syndicate or group with respect to the issuer or any securities of the issuer.

**Item 10. Certifications:**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under ?? 240.14a-11.

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

**Bank of Montreal**

**Signature:** Kathryn Cenac  
**Name/Title:** Managing Director - Regulatory Solutions Group  
**Date:** 02/14/2025

**BMO FINANCIAL CORP.**

**Signature:** Kathryn Cenac  
**Name/Title:** Managing Director - Regulatory Solutions Group  
**Date:** 02/14/2025

**BMO BANK N.A.**

**Signature:** Kathryn Cenac  
**Name/Title:** Managing Director - Regulatory Solutions Group  
**Date:** 02/14/2025