

From: [Nancy McAtee](#)
To: [Michael Hodges](#)
Cc: [Donald Kramer](#)
Subject: Email report-CEN23FA084 (Left and right anti-collision lights)
Date: Tuesday, August 13, 2024 16:28:57
Attachments: [Left horz bulb voakum.jpg](#)
[Left strobe bulb voakum.jpg](#)
[Left vertical bulb voakum.jpg](#)
[right horz bulb voakum broken.jpg](#)
[right strobe bulb voakum.jpg](#)
[Right vertical bulb voakum.jpg](#)
[Left horizontal light.jpg](#)
[Left light overall.jpg](#)
[Left vertical light.jpg](#)
[Overall Left light assembly.jpg](#)
[Overall of both assemblies.JPG](#)
[Overall right light assembly.jpg](#)
[Right horizontal light.jpg](#)
[Right light assembly overall.jpg](#)
[Right vertical light.jpg](#)

Michael,

The left and right anti-collision light assemblies from the accident aircraft were submitted to the Materials Laboratory for examination. The as-received photographs and radiographs are attached to this email. Each assembly consisted of three bulbs-two incandescent bulbs on each end, one in a horizontal position and one in a vertical position and a strobe light in the middle of the assembly. For the right assembly, the vertical bulb was broken with no filament present. The reflective cover for the strobe light was intact and unattached from the assembly. The outer glass cover for the strobe bulb was broken. The strobe filament appeared intact. The horizontal light was intact. The filament was broken and unstretched. For the left assembly, the two incandescent lights were intact. The filament for the vertical bulb was intact and exhibited some filament stretching consistent with aging/sag. The filament for the horizontal bulb was broken and exhibited no hot filament stretching. The reflective cover of the strobe light was missing. The outer glass cover and the interior filament for the left strobe light was both intact.

The status of the strobe light filaments at the time of impact could not be determined due to the intermittent nature of the bulb's illumination. There was no conclusive evidence of hot filament stretching in any of the other intact bulbs.

If you have any questions, please let me know.

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RE-30