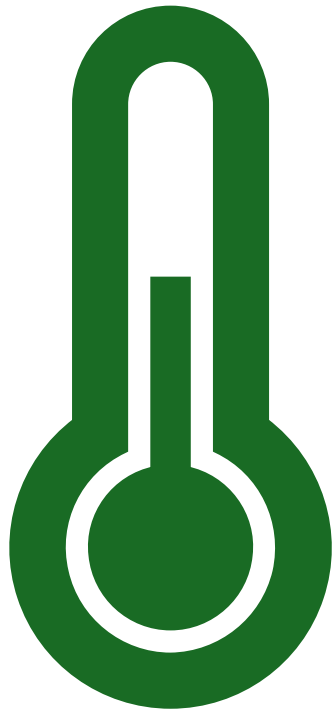




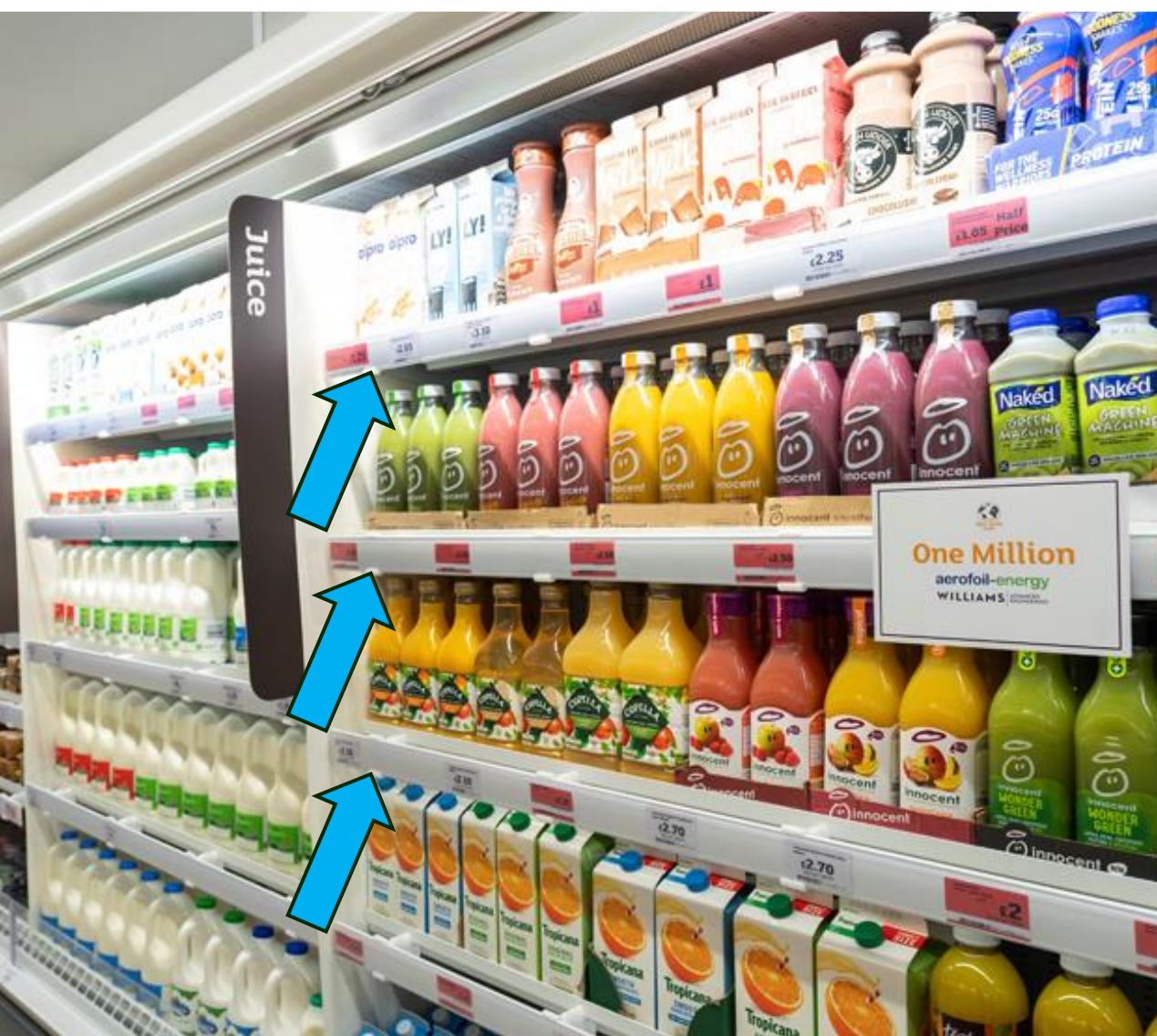
10 Store Aerofoil Pilot

Fall 2024



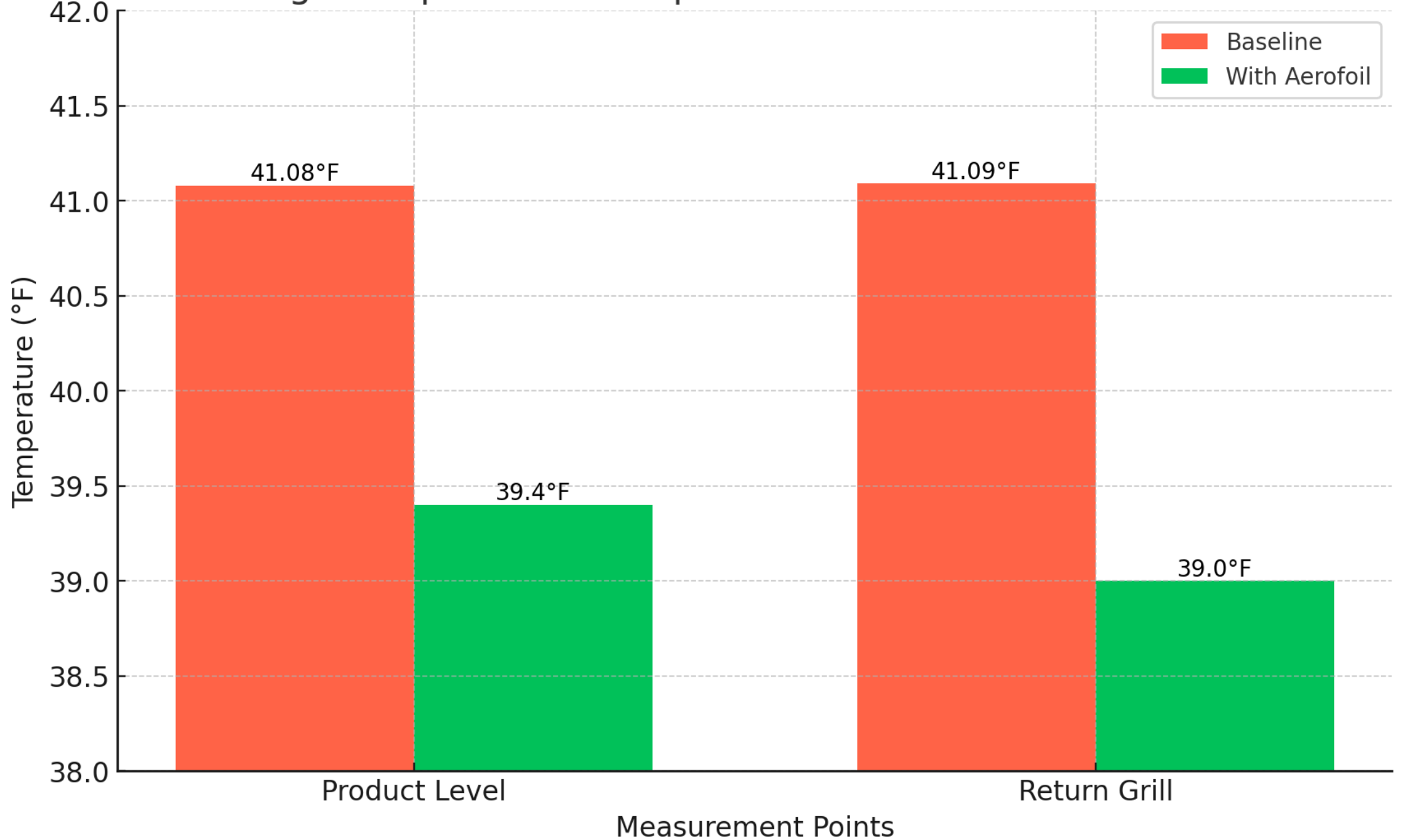
Summary

- 10 sites across America were installed with over 2,000 Aerofoils
 - Testing in multiple different climate zones
- Product temperatures decreased overnight by 1.68°F
- Return air temperatures (Heat load) decreased overnight by 2.09°F
- Aisle were warmer by 0.52°F overnight, with further change expected
- Positive feedback from store management
 - Sleek look
 - Improved labeling (protective covers)



- Energy Efficient Shelf-Edge Technology doubling as a price tag holder
- Reduces cold air spillage from open refrigerated cabinets

Average Temperature Comparison - Baseline and With Aerofoil



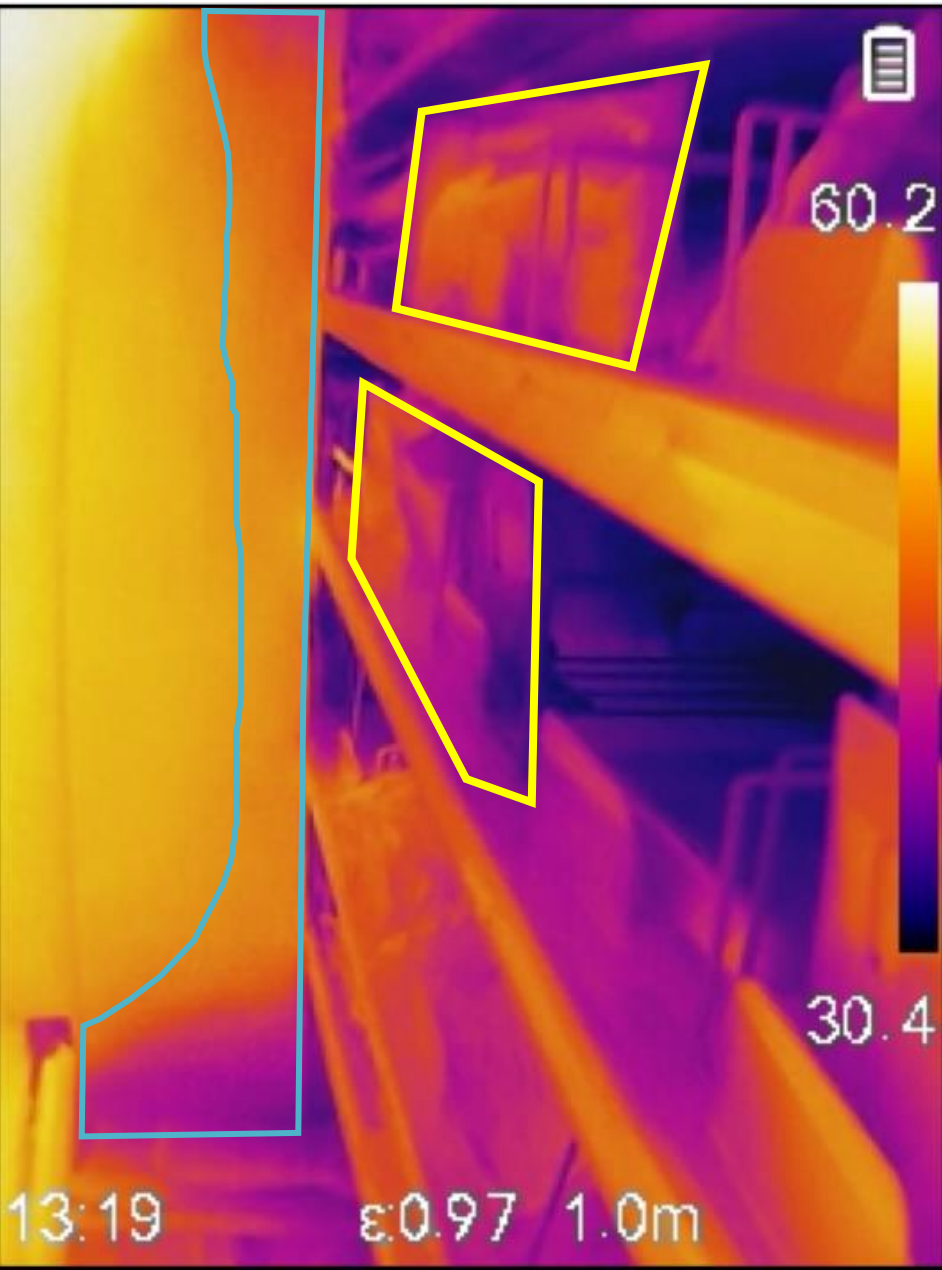
Average Temperature Change with Aerofoil - Product and Return Grill



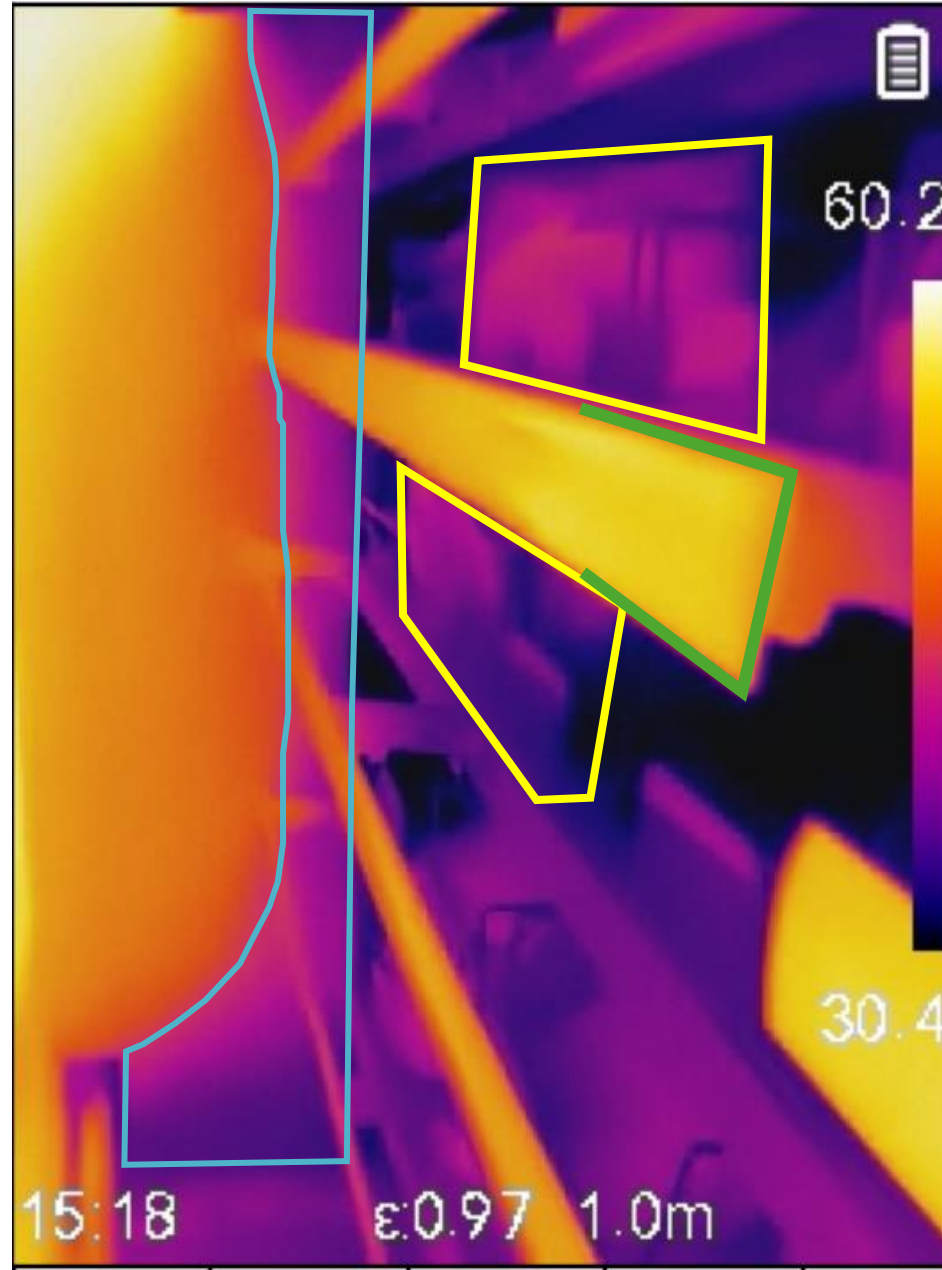
Product Level temperature reductions as great as 5.31 °F. Return Grill temperature reductions as great as 4.31°F.

Thermal Images – What to Look For

Without Aerofoil



With Aerofoil



Aerofoils

The Aerofoils have been installed on the images to the right, sitting just off the shelf-edge.

Air Curtain

The darkening colors along the thermal wall behind the point of the Aerofoils illustrates the reduced temperatures.

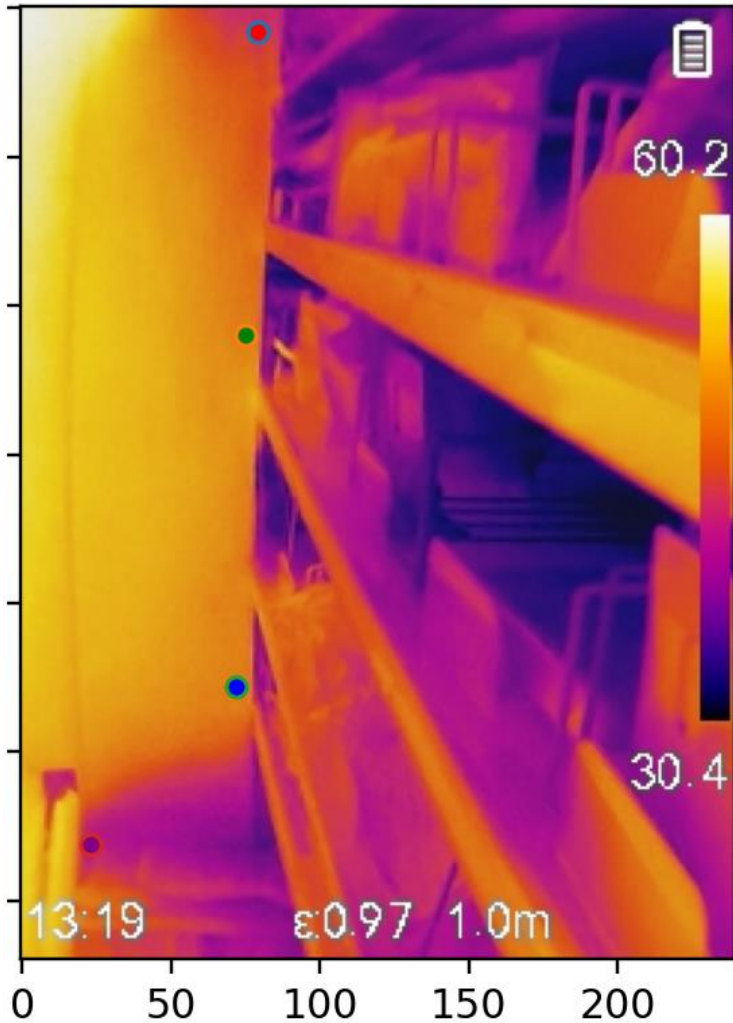
Products

Within the shelves, the darkening of colors shows lower product temperatures due to the developed air curtain.

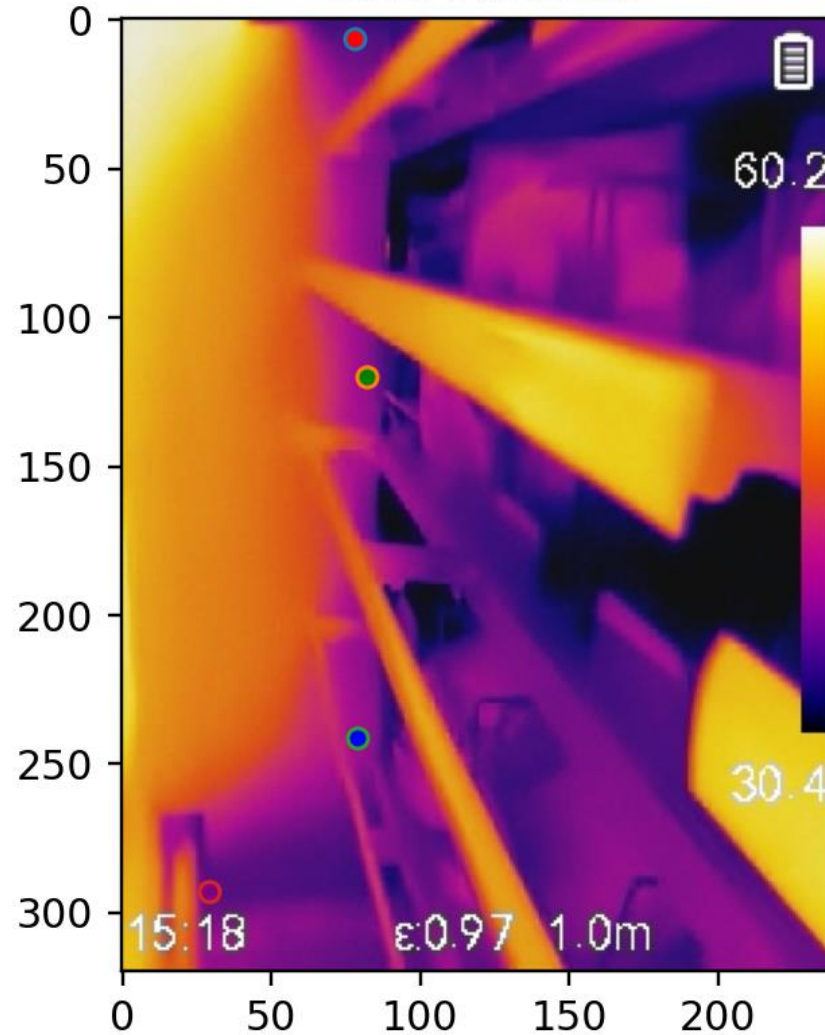
Bacon – Side View

Store #10





Without Aerofoil



With Aerofoil



Temperature Reduction:

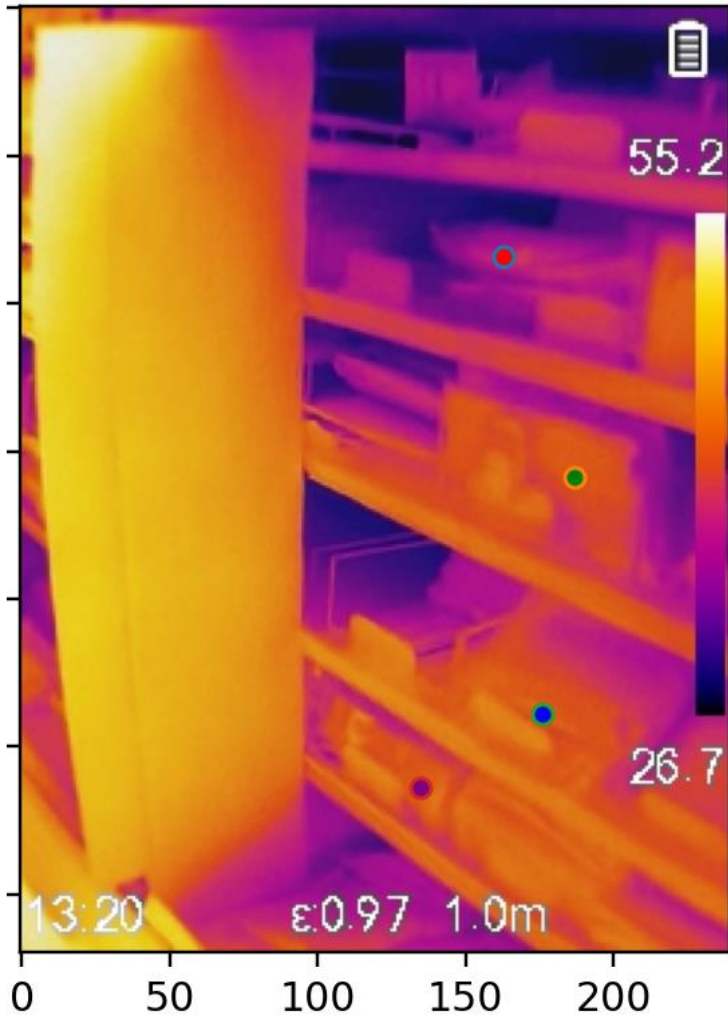
- Point 1: -6.5°F 
- Point 2: -9.4°F 
- Point 3: -9.0°F 
- Point 4: -5.2°F 

Note the established air curtain by the darkening of colors along the wall due to the Aerofoils

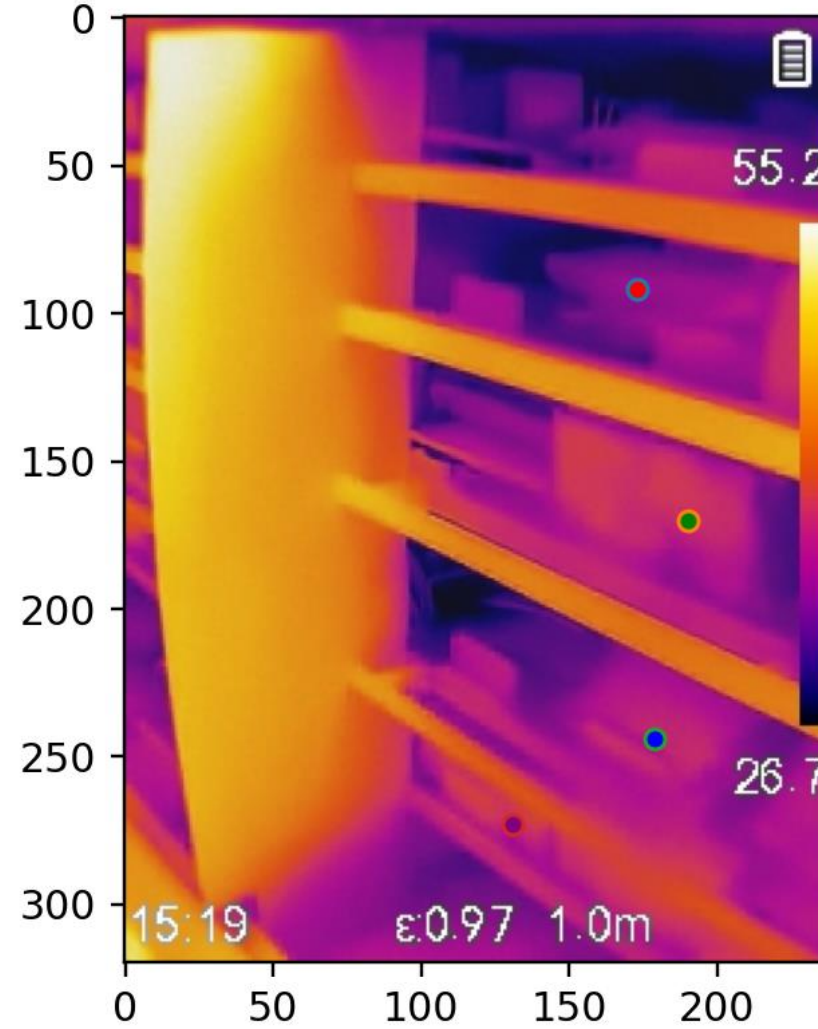
Bacon – Angled View

Store #10

Without Aerofoil



With Aerofoil



Temperature Reduction:

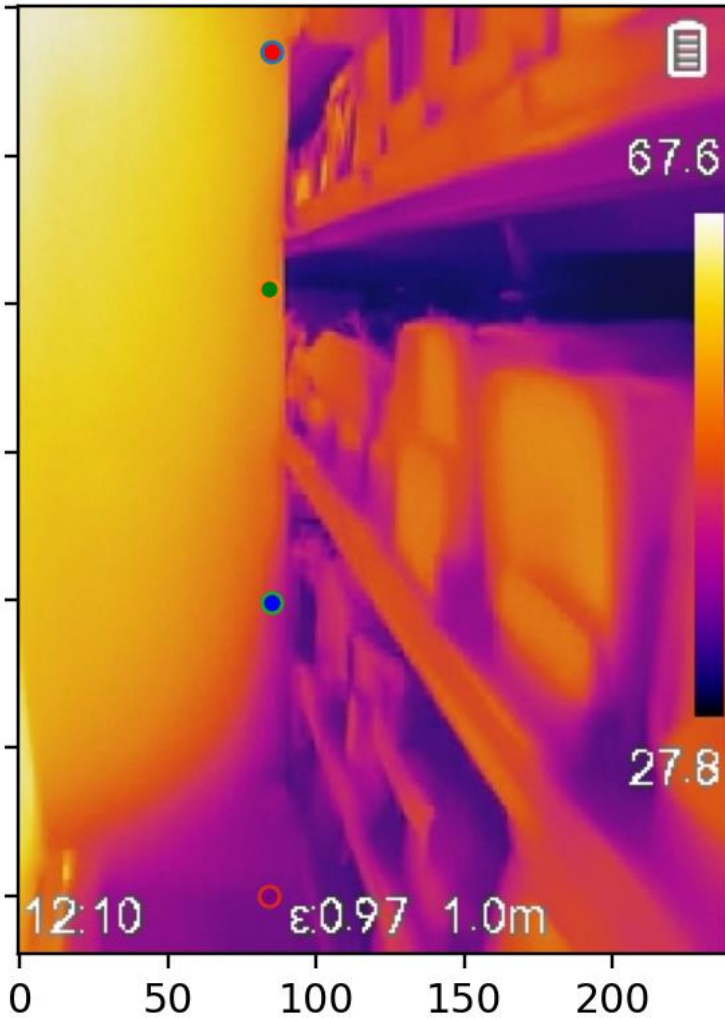
Point 1:	-3.4°F	
Point 2:	-2.9°F	
Point 3:	-4.7°F	
Point 4:	-3.8°F	

Note the reduced product temperatures by the darkening of colors within the cabinet

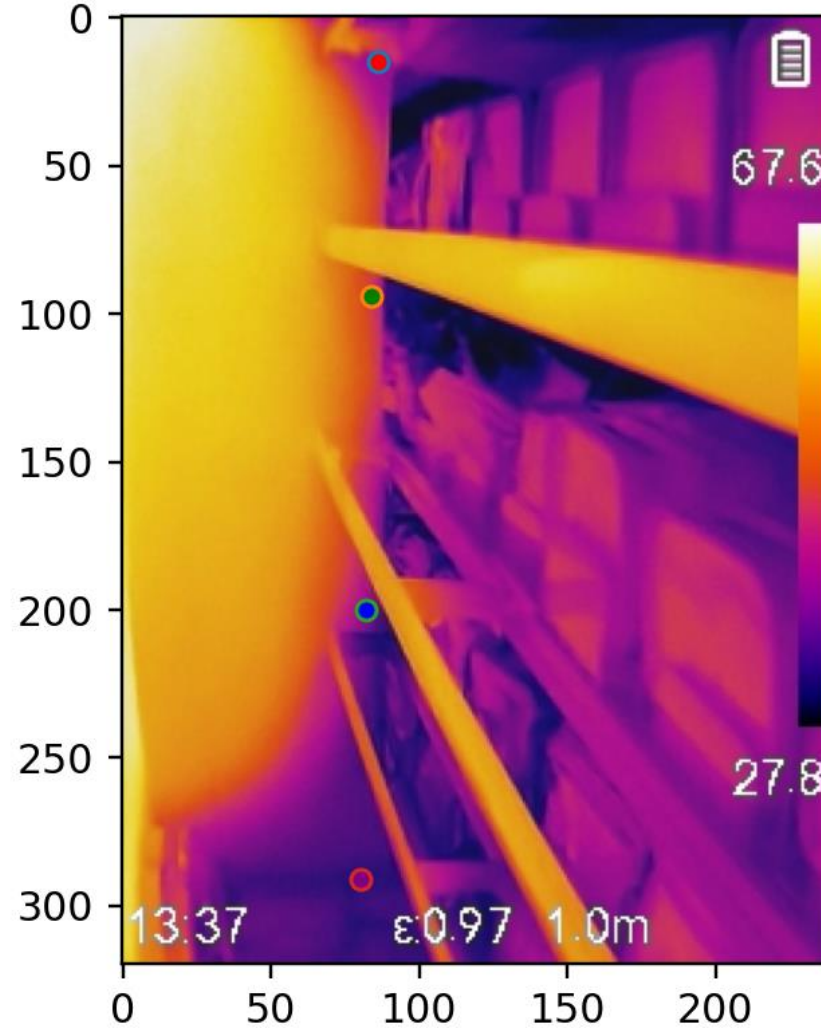
Deli – Side View

Store #5

Without Aerofoil



With Aerofoil



Temperature Reduction:

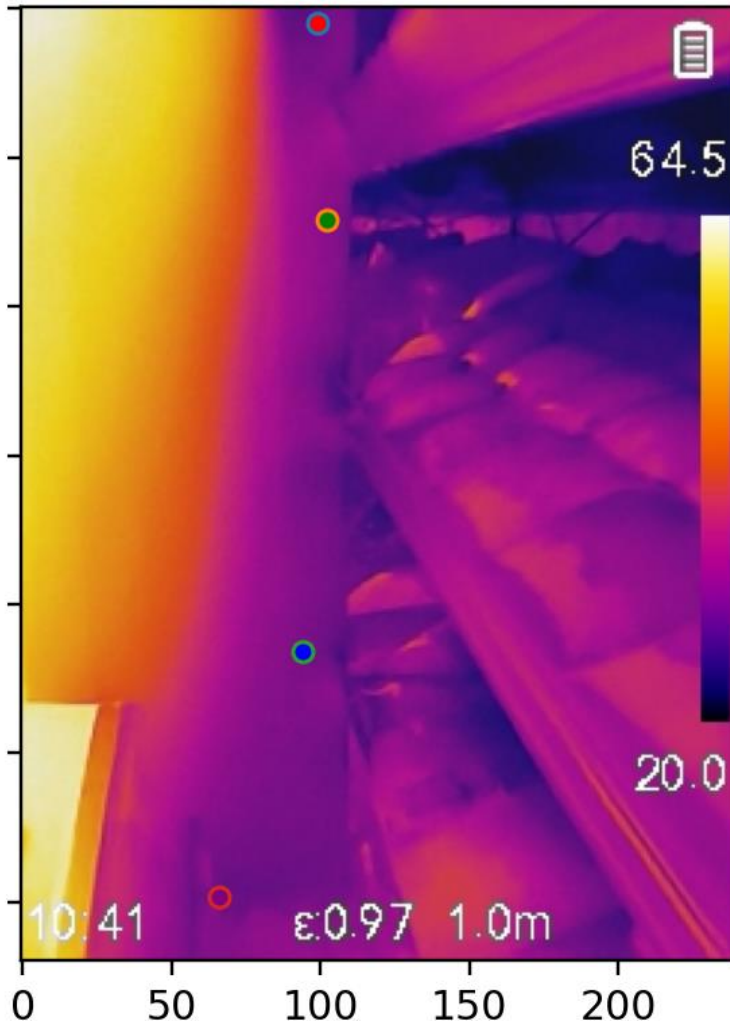
- Point 1: -13.4°F
- Point 2: -7.7°F
- Point 3: -5.4°F
- Point 4: -4.9°F

Note the established air curtain by the darkening of colors along the wall due to the Aerofoils

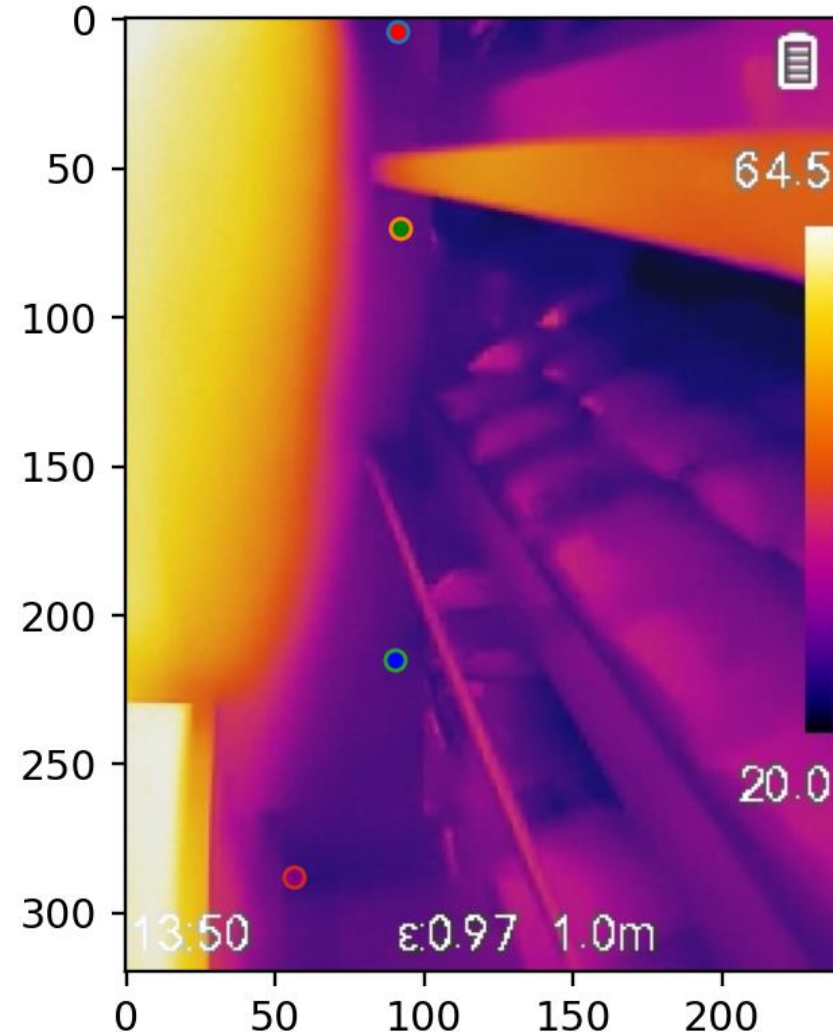
Meat – Side View

Store #7





Without Aerofoil



With Aerofoil



Temperature Reduction:

- Point 1: -2.8°F 
- Point 2: -2.3°F 
- Point 3: -3.0°F 
- Point 4: -3.6°F 

Note the established air curtain by the darkening of colors along the wall due to the Aerofoils