In general, whiter colors are warmer, darker colors are cooler. Note however that reflective surfaces, like new metal roofs, register as black thus not representative of the actual heat signature of roof.
These two lighter patches on the flat roof area suggested more heat loss than from the rest of the roof.

Further inspection revealed that the roof’s rubber membrane had been breached in these two spots allowing water to seep in and compromise the underlying insulation.
This underground steam vault shows a large expanse of white which upon further inspection turned out to be inadequate insulation and a leak at a pipe junction which were promptly repaired.

This buried steam line was over 50 years old and showing significant heat loss due to deteriorating insulation. This line was replaced shortly after this flyover.