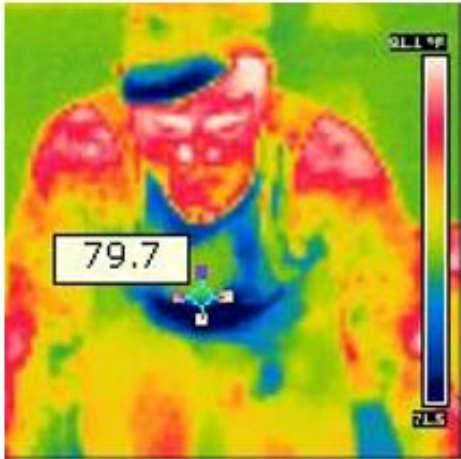




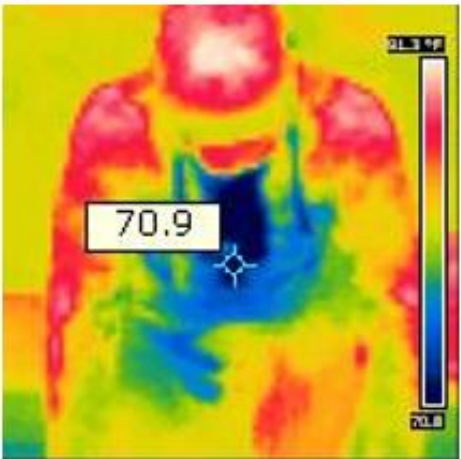
Competitor Shirt, 5 Mins **No Fan**



Competitor Shirt, 5 Min **With Fan**



Lite-N-Cool™ 5 Mins **No Fan**



Lite-N-Cool™ 5 Min **With Fan**

CONTROLLED EXPERIMENT

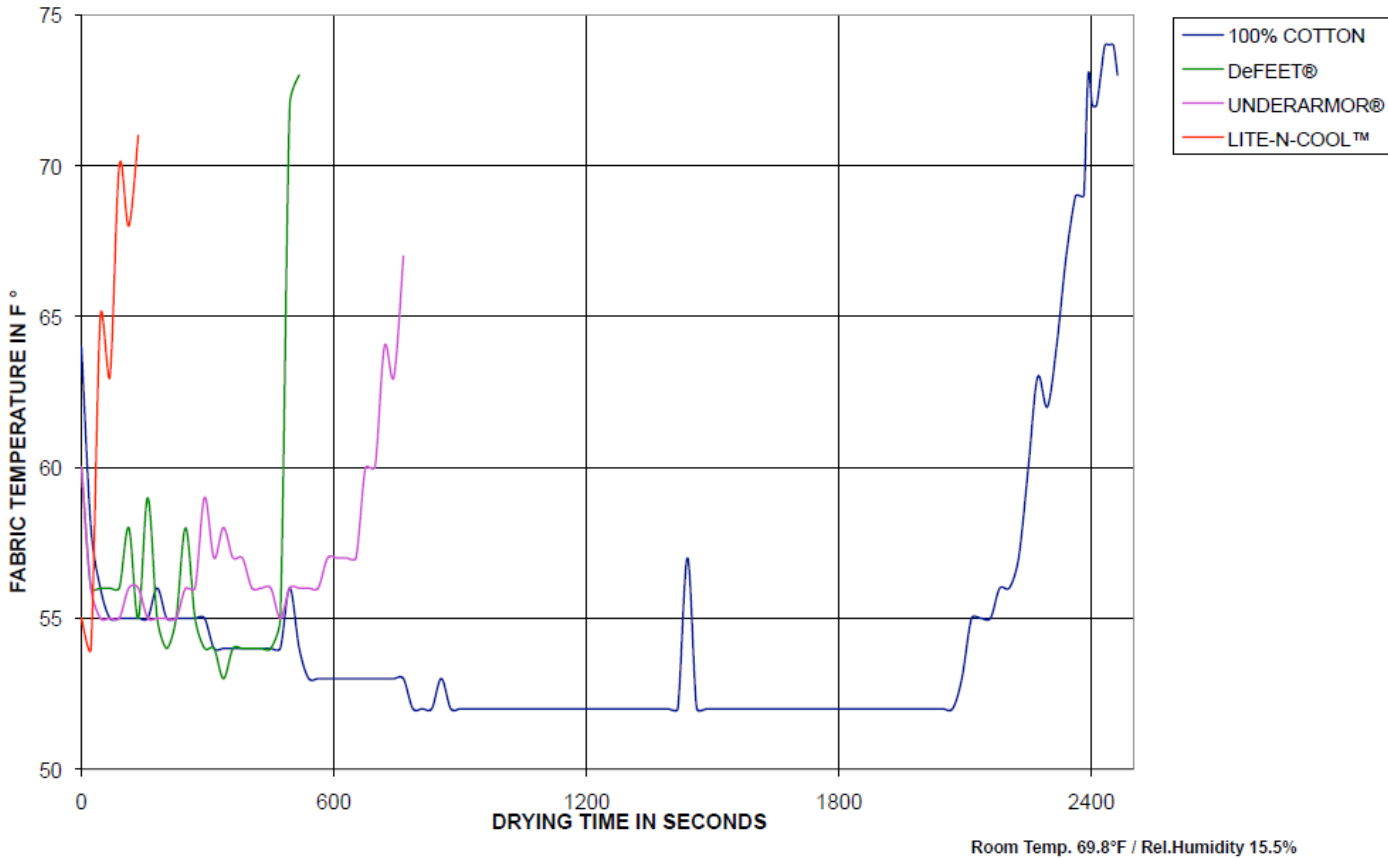
The Thermal images below were taken in an ambient temperature controlled environment. With the help of a power/wattage meter hooked to the stationary bike, the subject was pedaling at an equal effort for four separate sessions and the Images were shot after 5 minutes of exercise.

The competitor product (leading brand of similar material weight) was shot after 5 Minutes of work with no air movement and 5 minutes of work with a fan blowing at 5 mph directly at the subject. The same scenario was done for the Lite--N---Cool™ Product

CONCLUSION

The Lite--N--Cool™ fabric keeps subjects between 2.8 and 8.9 degrees cooler than the currently available alternatives in the marketplace. This is because of the efficient moisture transport and evaporation. The skin is kept drier and is therefore *is* cooler.

LITE-N-COOL™ DRYING TIME COMPARISON AT RUNNING SPEED (7 MPH)



CONTROLLED EXPERIMENT

The MOST important point in cooling fabrics is keeping your skin dry! Once your shirt is 100% saturated with moisture you feel uncomfortable and there can be no cool feeling. Our fibers wick and evaporate moisture at a phenomenal rate.

The competitor products (leading brand of similar material weight) was placed in a frame in our Lab and we attached a thermocouple to the back of the fabric. In front we placed a fan blowing at 7 mph (this is the speed that people can run at) and we wet the fabric until it was 100% wet.

We then simply measured how many seconds it took to completely dry the fabric. At 2,400 seconds the white cotton t-shirt was still wet. Under Armour dried in over 12 minutes (their ColdBlack wicking cooling golf shirt). Only the DeFeet product dried in under 10 minutes and that was a blend we created for them with 60% Lite-N-Cool and 40% PET yarn. The same scenario was done for the Lite---N---Cool™ Product

CONCLUSION

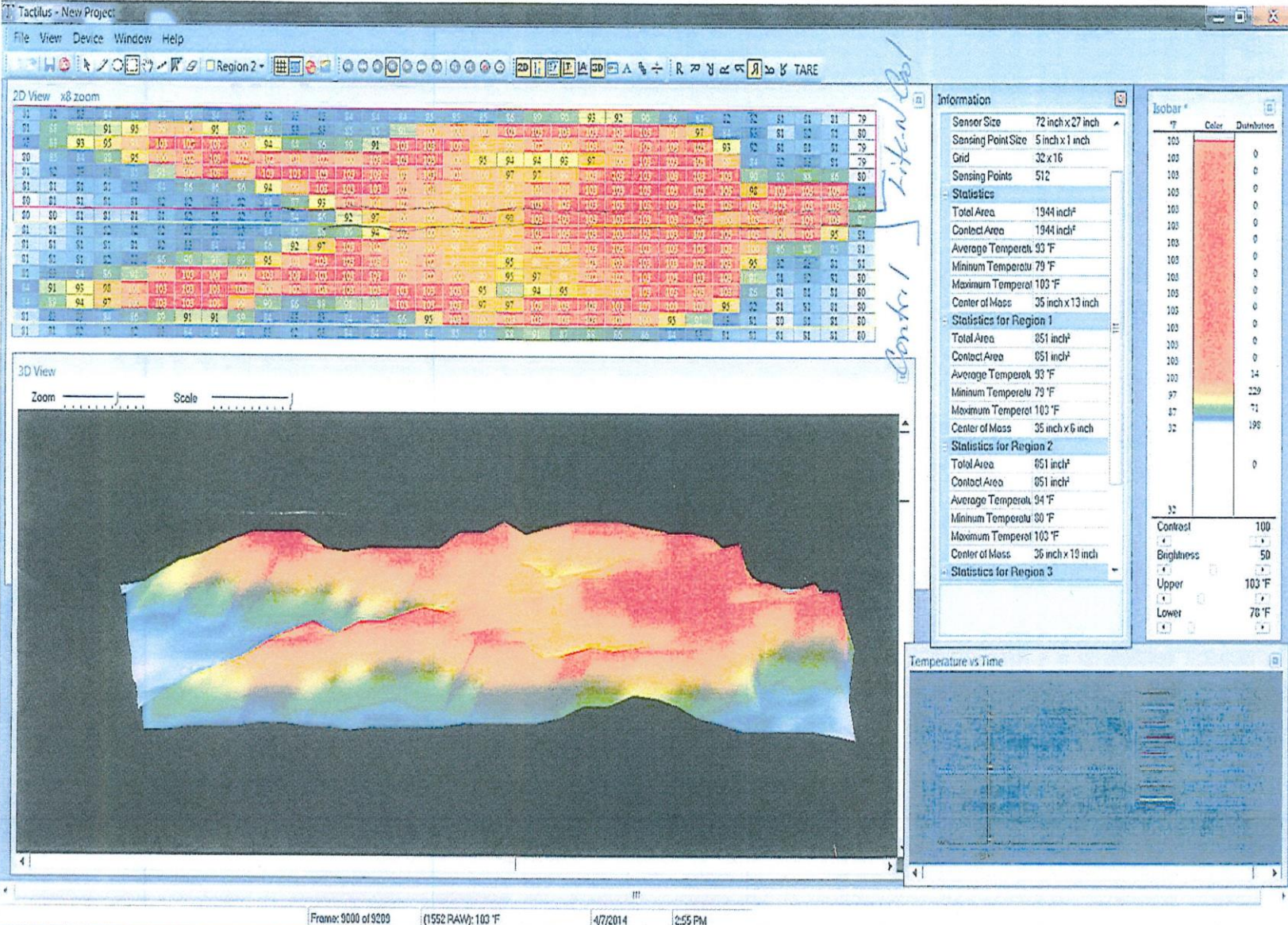
The Lite--N--Cool™ fabric dried in 2 minutes and 36 second. This was almost 6x faster than the \$60.00 Under Armour shirt. This is because of the efficient moisture transport and evaporation. The skin is kept drier and is therefore *is* cooler.

15 minutes
kitt - n cool

$98/224 = 44\%$

$162/224 = 72\%$

1° ΔF by region



CONTROLLED EXPERIMENT

HSM Mattress R&D Center Tested our LNC Fabric on their thermal imaging body pressure mapping table.

I brought 300 denier LNC yarn knitted Jersey flat sheet and it was laid on the table so that 50% of my body was on the LNC fabric and 50% was on the "control" fabric mattress top material.

Measurements were taken at 5, 10, and 15 minutes.

CONCLUSION

There was a 2% delta between the control fabric and the LNC at 5, 10, and 15 minutes. My body weight at the time was 185 pounds. The Scientists at HSM stated that a 2% difference and 1 degree F for a 5 OPSY (169.5 GSM) Is a significant and remarkable difference in temperature.