

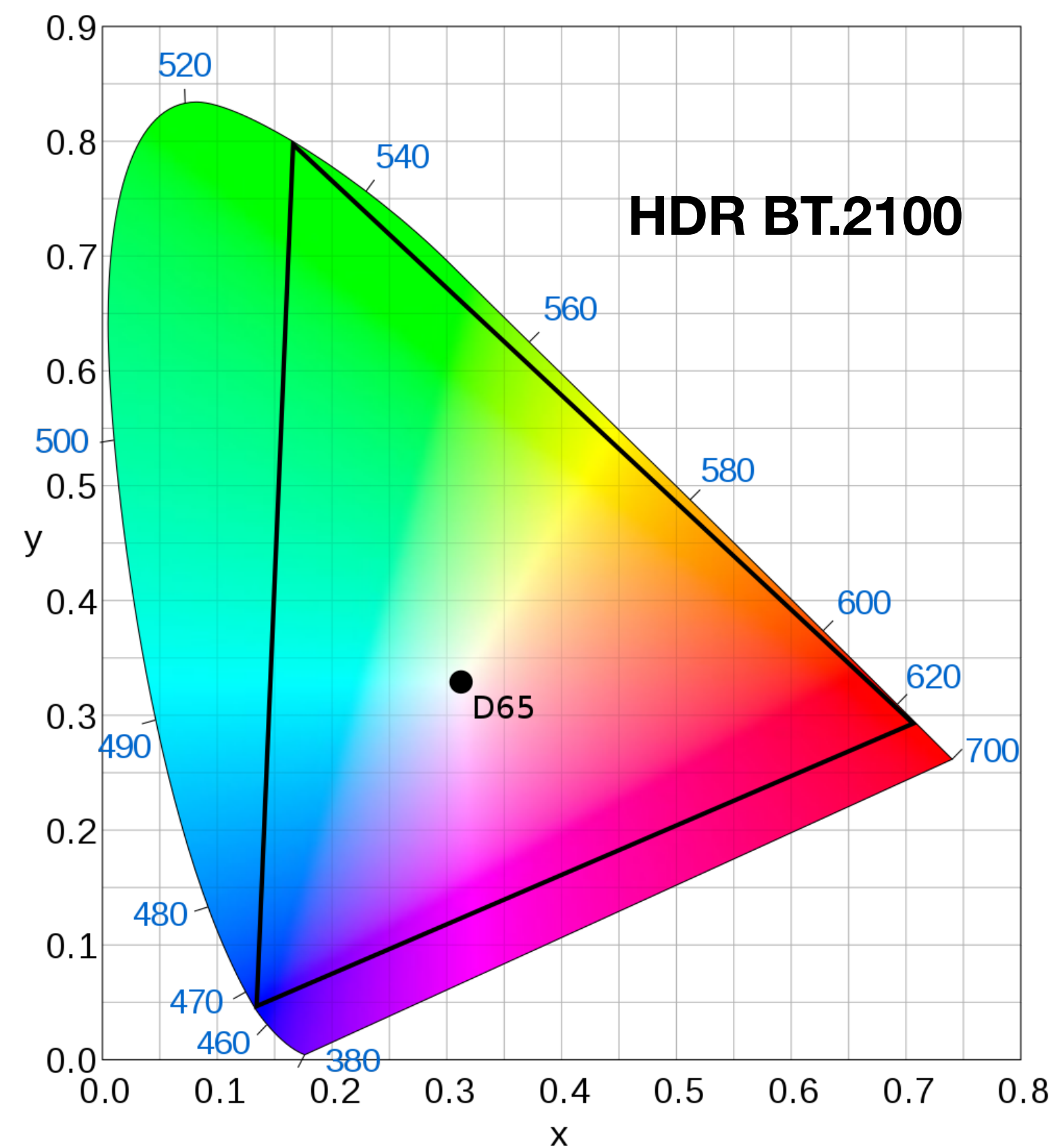
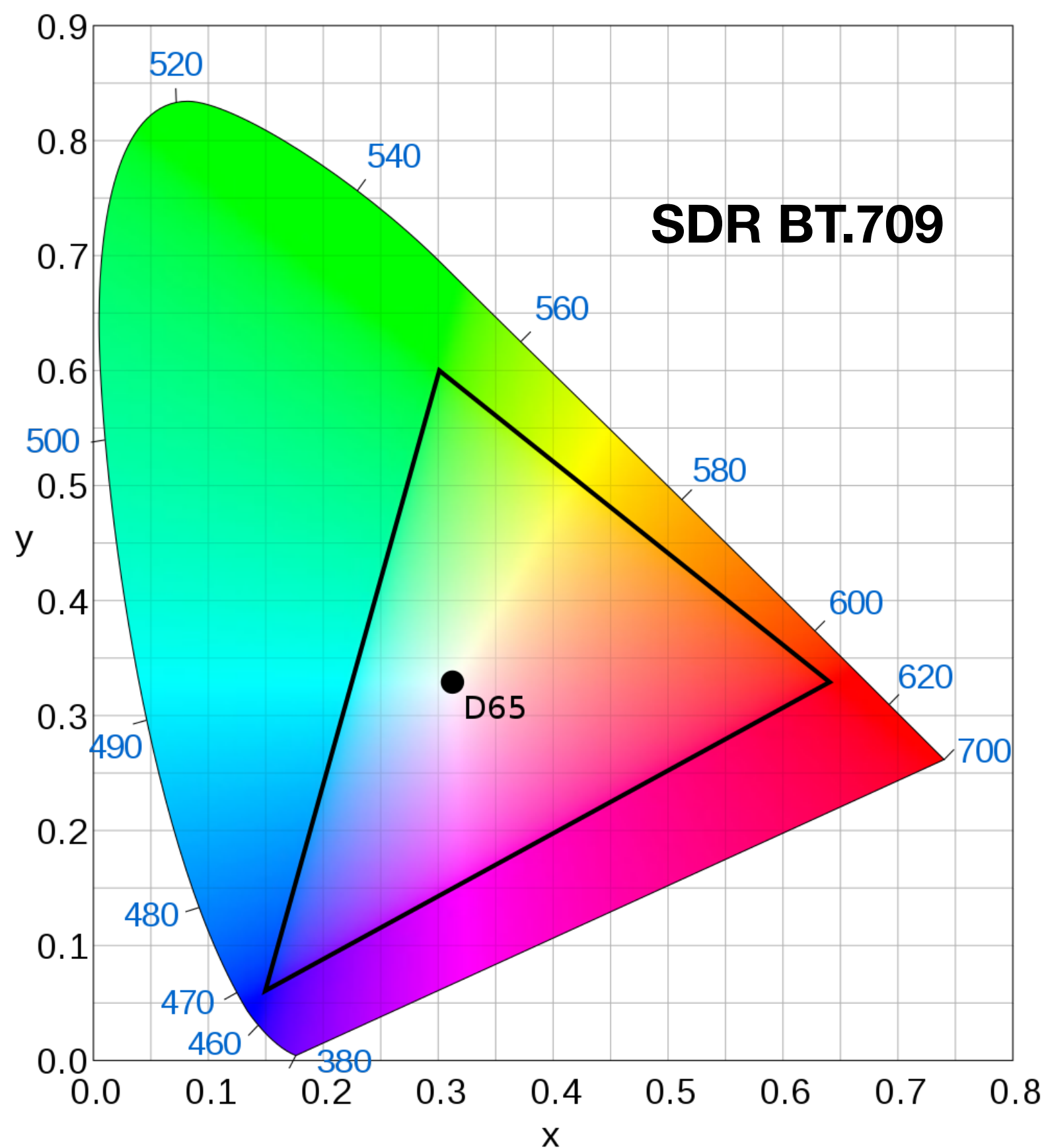
HPA Supersession: Monitor Calibration



Tyler Pruitt

Technical Evangelist
Portrait Displays - CalMAN
Seattle, WA

Calibration Targets



Equipment Used

- Portrait Displays - CalMAN Ultimate 2019 R3 Calibration Software
- Colorimetry Research Inc. - CR-100 Tri-Stimulus Colorimeter
- Colorimetry Research Inc. - CR-300 2nm Reference Spectroradiometer
- AJA Io 4K Plus + VirtualForge Pattern Generator Software (SDI Monitors)
- VideoForge PRO HDMI Pattern Generator (HDMI Monitors)

Monitors Calibrated

- Sony PVM-1741 RGB OLED (SDR BT.709 Calibration)
- Canon DP-V3120 RGB LED Backlit LCD (SDR BT.709 , HDR BT.2100)
- Sony BVM-HX310 LMCL LCD (SDR BT.709, HDR BT.2100) - Colorfront Booth
- Sony XBR-85Z9G 85" 8K TV (HDR BT.2100) - Colorfront Booth

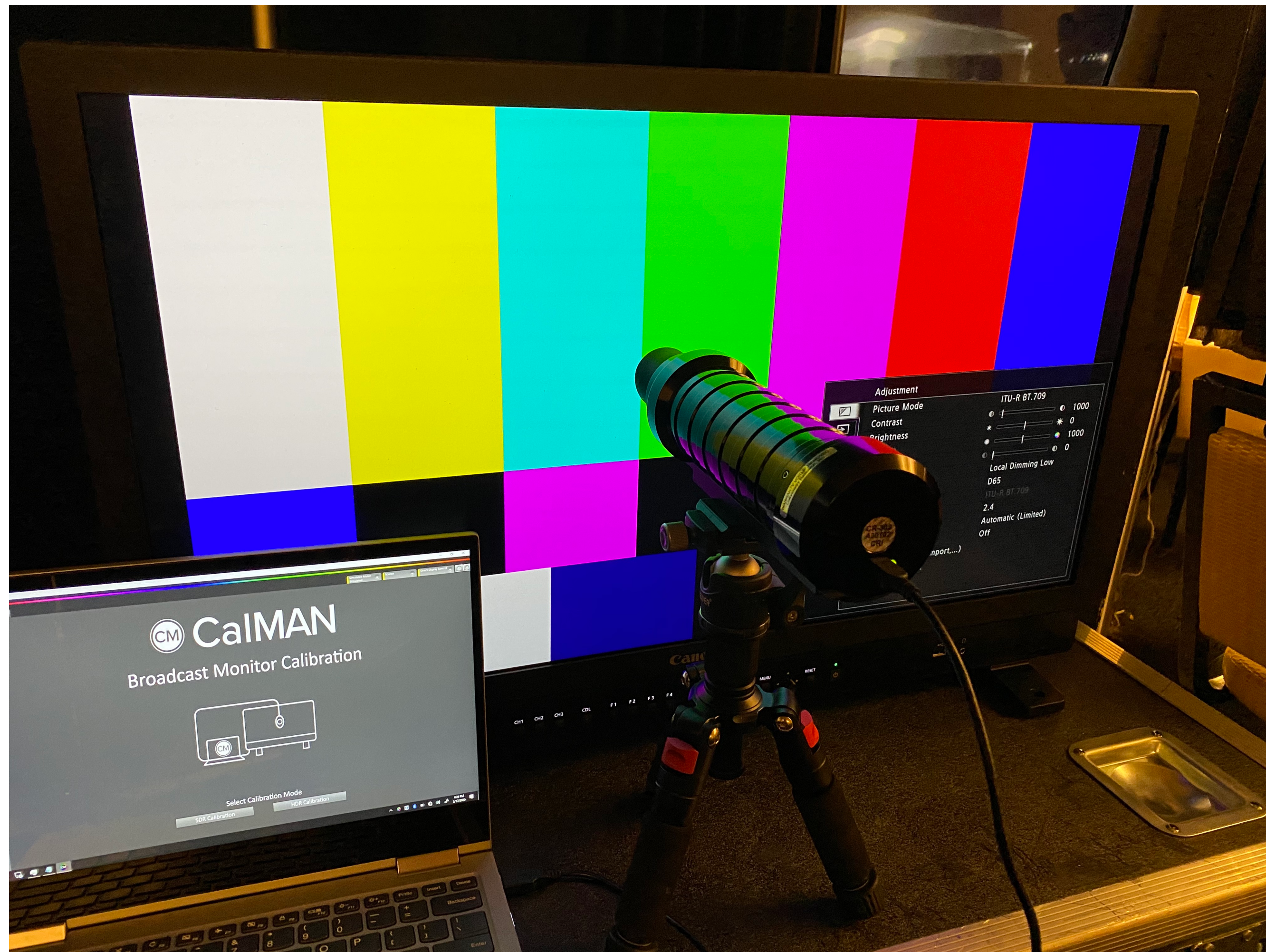


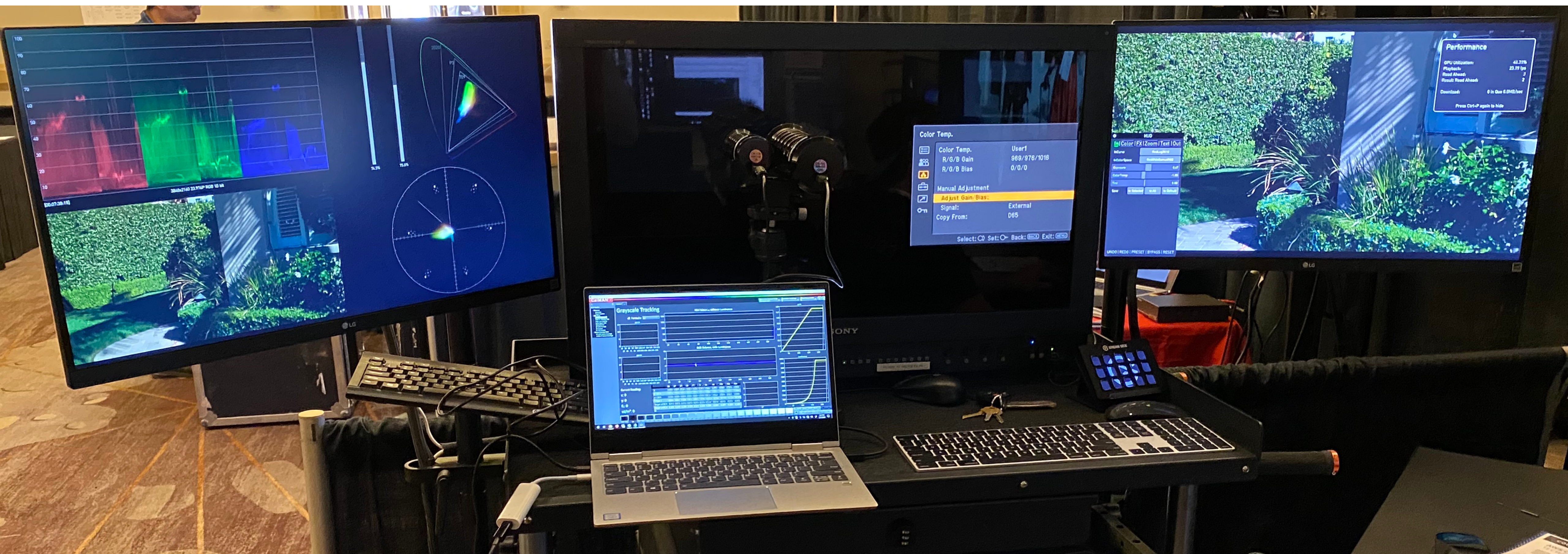
TECH RETREAT
25TH ANNIVERSARY

WHERE THE ANSWERS ARE JUST THE BEGINNING

#hpatechretreat
@hpaonline







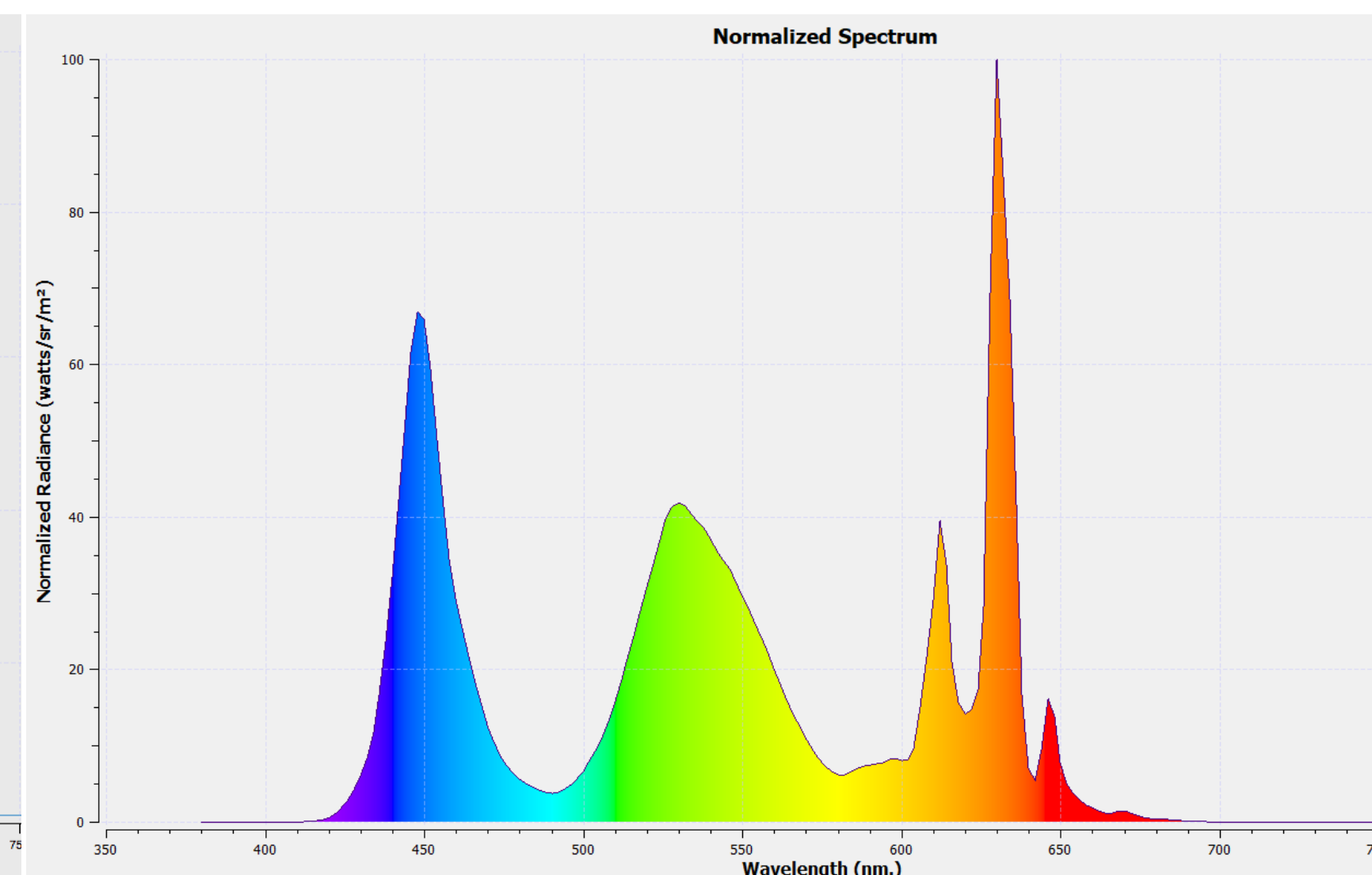
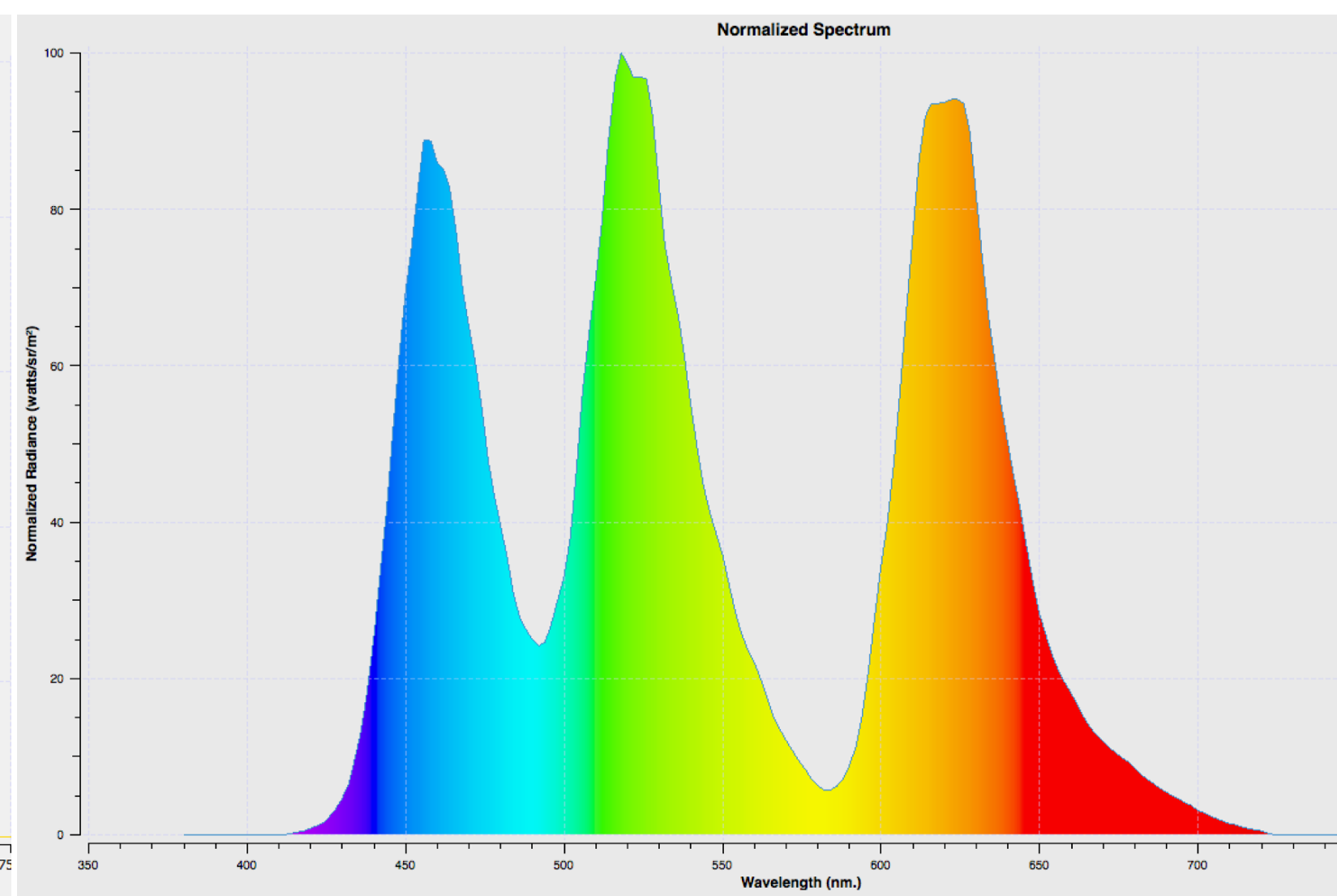
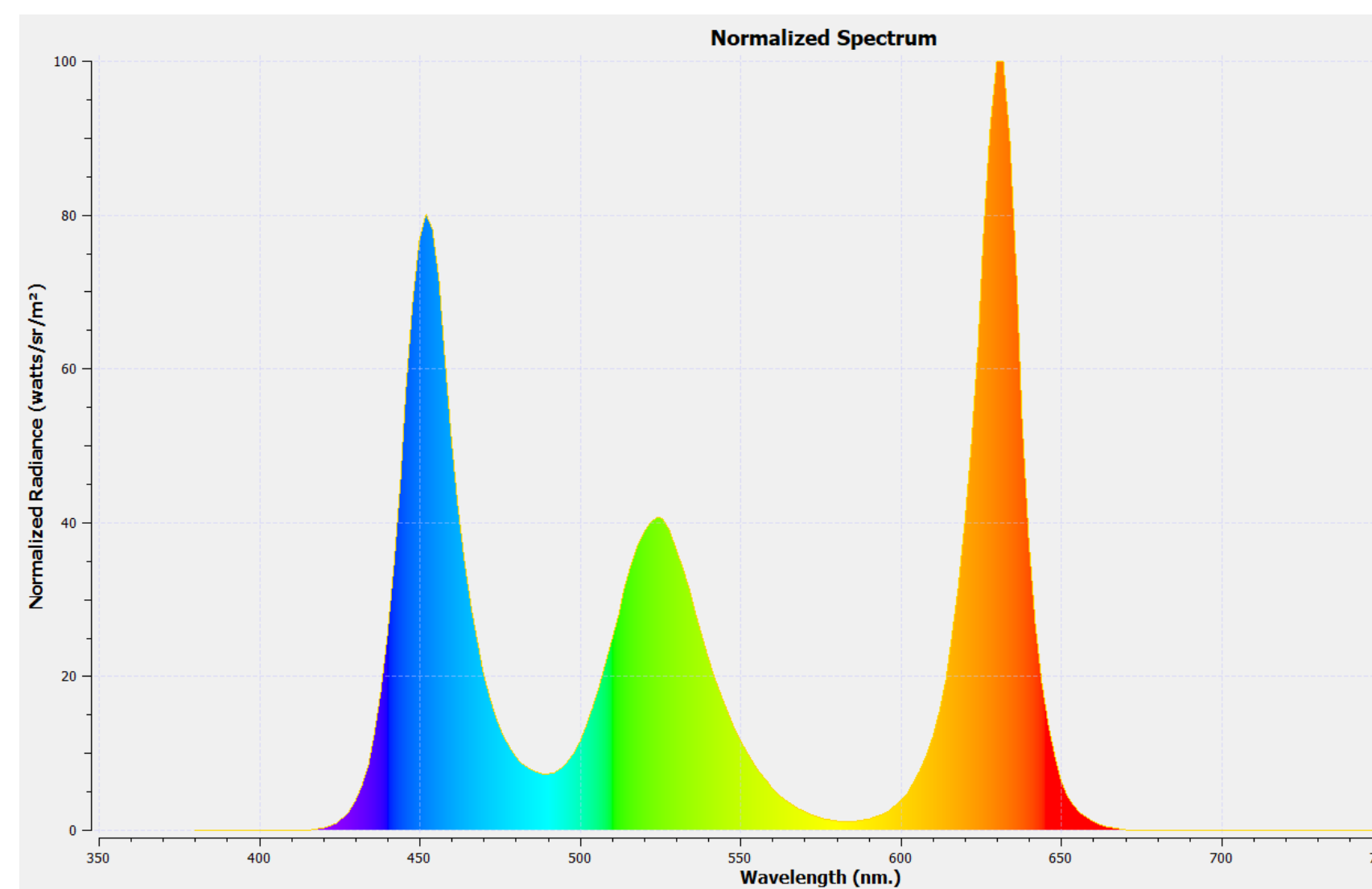
Current Calibration Challenges

Metamerism Failure

RGB LED Backlit LCD

RGB OLED

PFS Phosphor LED Backlit LCD

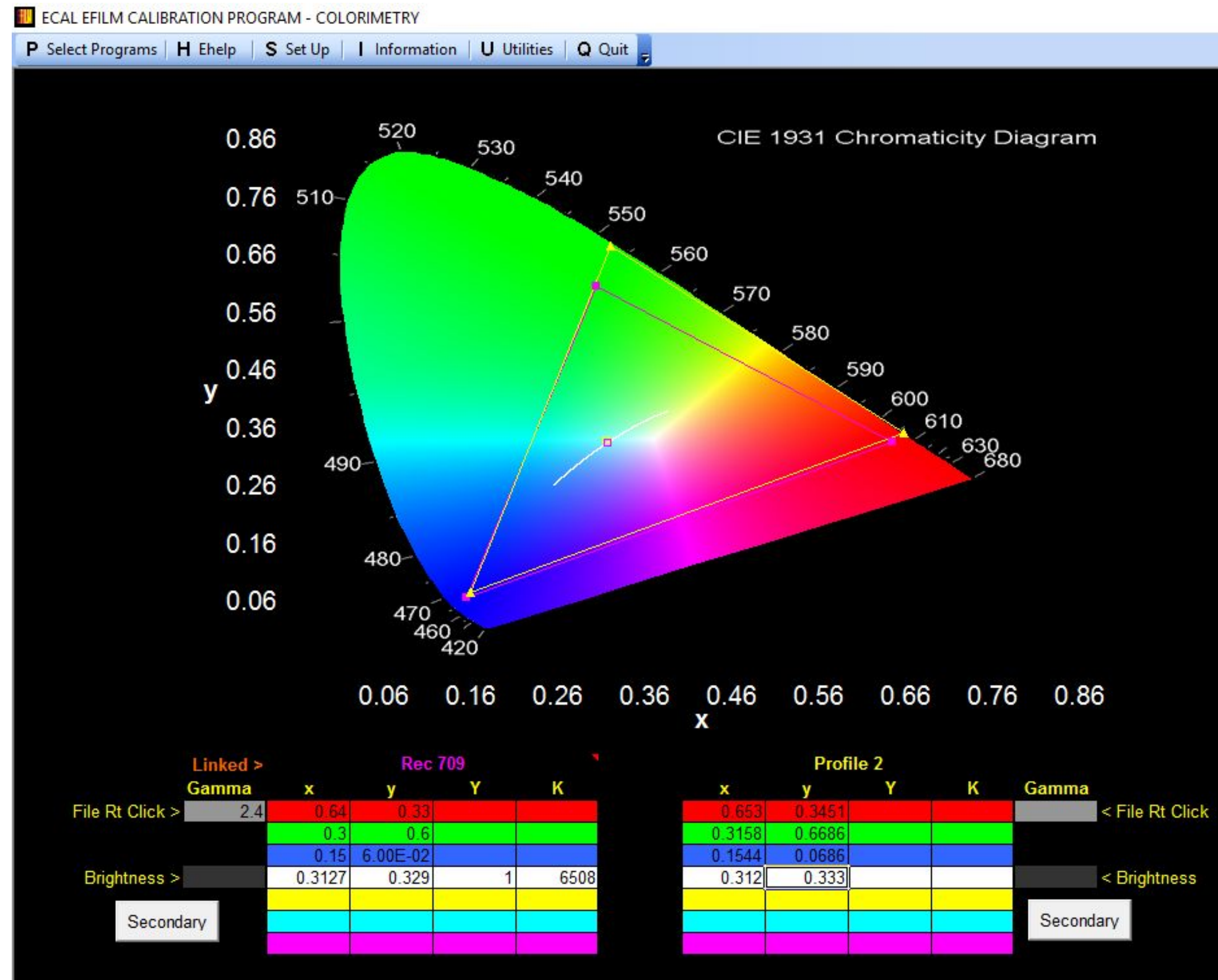


Screen Size - Perception

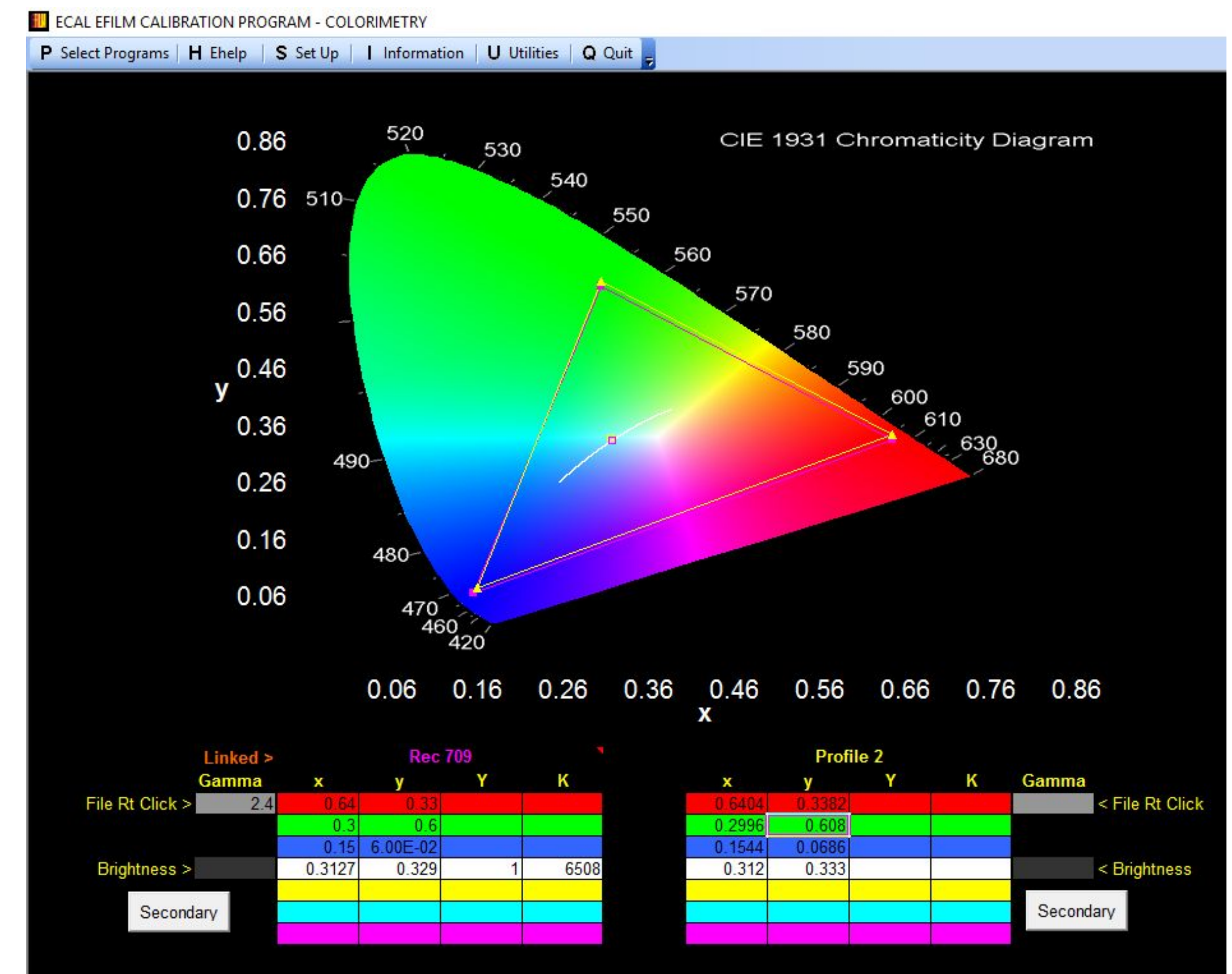


Panasonic Projector Calibration with JZ

Panasonic PJ Native



Panasonic PJ BT.709



Thank You



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