

Welcome to the HT Enthusiast Extended Workflow v21.0.0

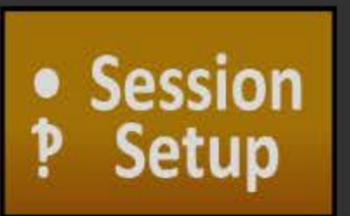
Show Help →



Workflow Navigator →



Session Setup



→



Featuring ...

- ▶ Navi, the Navigation bar on the right, provides access to selected context suitable layouts with easy to read and reach buttons.
- ▶ Clicking the Navi bar itself shows the Navigation Index layout, providing easy access to every workflow layout and key CalMAN panels.
- ▶ Comprehensive Notes Management layout is always accessible from the Navi bottom.
- ▶ Integrated Session Setup layout with hardware configuration and dynamic range assessment, supported by Meter Profile Management, Meter Stability, and Screen Uniformity layouts.
- ▶ Comprehensive detailed calibration layouts with charts and datagrids for Two- & Multipoint Grayscale, Gamut Saturation and 3D Color Cube LUT.
- ▶ Single Pre- & PostCalibration layouts take all readings for Grayscale, Gamut Saturation, Gamut Luminance and Color Checker all with accessible charts, and datagrids for Post Grayscale and Gamut Saturation.
- ▶ High-count calibration points, HDR friendly with EOTF charts.
- ▶ DeltaE is **DEITP, Compensated** is default, **With Luminance Error** if indicated or after the "/".
- ▶ Compare Calibrations layout lets you compare three calibrations side by side.
- ▶ DEITP vs. De 2000 comparison layout to see both side by side, using PostCal or new readings.
- ▶ All DDC layout has all DDC controls in one place.

Also featuring navigation for the Mouse Lazy ...

- ▶ Navigation bar on right takes you anywhere you want to go, just click it
- ▶ Toggle buttons switch between complementary layouts with one click:
 - between the Calibration layouts and their corresponding Datagrid
 - between the PreCalibration Readings and PostCalibration Readings
 - between corresponding PreCalibration and PostCalibration detail charts

And more!



- Meter Panel •
- Settings Panel •
- Source Panel •
- Display Panel •

- Screen Uniformity •
- Meter Stability •
- Profile Management •

- ∩ PreCal Grayscale Charts
- ∩ PreCal Gamut Satur Charts
- ∩ PreCal Gamut Lumin Charts
- ∩ PreCal Color Checker Charts

• NOTES •

• All DDC •

- ∩ PostCal Grayscale Charts
- ∩ PostCal Gamut Satur Charts
- ∩ PostCal Gamut Lumin Charts
- ∩ PostCal Color Checker Charts

Click and Navigate

- ⤴ Read / Assess
- ∩ Charts / Data
- ↑ Calibrate
- Utility

- Welcome
- Introduction
- ▶ Prepare
- Session Setup
- PreCal Reads
- ▶ Calibrate
- ↑↓ Grayscale 2-Point
- ↑↓ Grayscale Multipoint
- ↑↓ Gamut Saturation
- ↑↓ 3D Color LUT
- ▶ Analyze
- PostCal Reads
- DEITP vs. dE 2000
- Compare Calibrations
- ▶ Finalize
- Final Check

RETURN

NAVIGATION

- Click the bare navigation bar at the right to show the Navigator.
- Click Return in the Navigator to come back to the calling layout.
- The navigation bar has the Notes button in all, the Next and Back buttons in many, and context specific buttons in some layouts.

WORKFLOW OVERVIEW

The HT Enthusiast Extended Workflow aims at providing all the possible calibration options in a quickly accessible efficient manner. Help is always available with the button at the upper right corner.

The workflow is divided into five sections or zones with a corresponding color associated with each one:

- ① **Welcome Zone:** Provides general information about the workflow and its features, and immediate access to the setup layout.
- ② **Preparation Zone:** Enter session and device setup information, plan the dynamic aspects of the session (contrast, brightness, etc.), take pre-calibration readings with detailed charts for reference.
- ③ **Calibration Zone:** Contains the calibration layouts with detailed charts and datagrids.
- ④ **Analysis Zone:** Has post-calibration readings for all views except the 3D Color LUT, with detailed charts and datagrids, and other analysis tools.
- ⑤ **Finalization Zone:** fine-tunes the dynamic range, with a session summary and a chance for saving the session.

CALIBRATION VIEWS

- 2-Point Grayscale
 - Multi-point Grayscale
 - Gamut Saturation, also used for basic CMS calibration
 - 3D Color LUT with tabs for Full-feature and Minimal
- Use Minimal layout tab for hopefully faster AutoCal.
 - DeltaE is DEITP, compensated by default, and with luminance error where indicated or after the "/".
 - All active calibration layouts except 2-Point have full-screen datagrids.

ANALYSIS CHARTS

Except the 2-Point Grayscale and 3D Color LUT, there are pre-calibration and post-calibration detail chart layouts for each calibration view.

You can toggle between them by clicking the PreCal or PostCal button. They super-impose when the layout switches. Keep clicking to go back and forth.

There are datagrids for the post-calibration Grayscale and Gamut Saturation layouts. You can access them clicking the Datagrid checkmarks.

Unlike the other color views, the CIE chart in the Color Checker pre- and post-calibration layouts is an option, accessible by clicking the CIE Chart checkmark.

Additional analysis is provided by a three-calibration Color Checker comparison layout, and another comparing De 2000 to DEITP for Grayscale and Color Checker, from the PostCal readings or a separate reading.

KEY LAYOUTS

Navigator Index - has the navigation matrix for efficient access to all layouts and key CalMAN panels, quickly accessed from all layouts by clicking a bare part of the navigation bar on the right.

Notes Management - Comprehensive notes management layout contains all notes for convenient editing, with access button at bottom right of all layouts.

Session Setup - Integrates hardware/device configuration, calibration options & notes, and initial settings and targets including dynamic range.

PreCalibration Readings, PostCalibration Readings - these identically configured layouts are master controls for the pre- and post-calibration states with combined and selective reading of all views. They feed all the detail charts and datagrids. You can toggle between the pre- and post-cal reading layouts, and between a reading layout and its corresponding detail layouts and the explicit toolbar buttons.

Final Check - Analyzes and fine-tunes the dynamic range aspect, provides a comprehensive calibration summary before saving the session.

Prepare

- ① Screen Uniformity → Meter Stability → Meter Profile Management
- ② Session Setup
- ③ Pre-Calibration Readings with charts

Calibrate

- ④ 2-Point Grayscale Calibration with charts & datagrid
- ⑤ Multipoint Grayscale Calibration with charts & datagrid
- ⑥ Gamut Saturation Calibration with charts & datagrid
- ⑦ 3D Color LUT Calibration with charts & datagrid

Analyze

- ⑧ Post-Calibration Readings
- ⑨ Multipoint Grayscale PreCal charts ↔ PostCal charts & datagrid
- ⑩ Gamut Saturation PreCal charts ↔ PostCal charts & datagrid
- ⑪ Gamut Luminance PreCal charts ↔ PostCal charts
- ⑫ Color Checker PreCal charts ↔ PostCal charts
- ⑬ DEITP vs. De 2000 comparison of Grayscale and Color Checker from PostCal or custom
- ⑭ Compare Calibrations - Color Check three calibrations side by side

Finalize

- ⑮ View the summary, fine tune the Dynamic Range and save the session

Setup Notes

Empty text area for Setup Notes.

Calibration Notes

Empty text area for Calibration Notes.

Pre-Calibration Notes

Empty text area for Pre-Calibration Notes.

Calibration Description / Goals

Empty text area for Calibration Description / Goals.

Color Notes

Empty text area for Color Notes.

Post-Calibration Notes

Empty text area for Post-Calibration Notes.



RETURN



(A) Session Options

Start New Session

Session Info
More Options

Use u'v' CIE Charts

Luminance Unit: cd/m²

Input Level: Video (16-235)

Stimulus Unit: Percent

DeltaE Formula: de ITP

Colorspace Target: D65, HD BT.709

Gamma Formula: ITU BT.1886

Targets

cd/m2	Blk	fl	cd/m2	Wht	fl	Gamma
0.0001	3E-05		300	87.6		1

Display • 75Q9FN

(B) Display Settings

AV Mode: CMS 0 300 nits

Sharpness: 0	Backlight: 0	Cut / Offset	Gain
Color Temp: Warm 2	Brightness: 0	Red: 0	0
Color: 0	Contrast: 0	Green: 0	0
Tint: 0	TV Gamma: 0	Blue: 0	0

(C) Hardware Configuration

- Meter Stability
- Screen Uniformity
- Profile Management

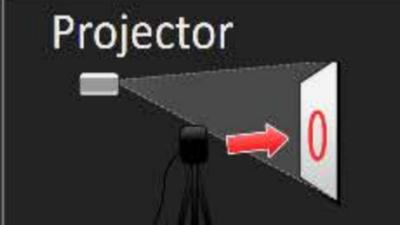
1 Meter: SpectraCal C6
Mode: LCD (LED Quantum Dot) - Samsung 2018

2 Pattern Source: Lumagen Radiance Pro Generator
Radiance series 460800 baud COM4
Size: Full 100% Delay: 0.25

3 Display / Processor: Lumagen Radiance 3D LUT
Radiance series 460800 baud COM4 with 3D LUT
Data Points: 21 Display Memory: CMS 0

(D) Meter Setup

Position the meter as required for the projector or flat panel to insure accurate measurements when taking readings.



Projector



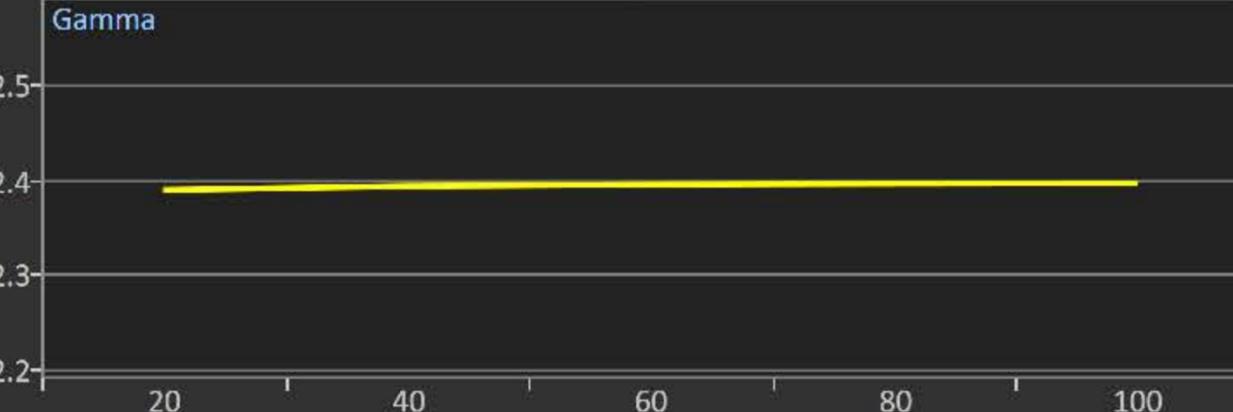
Flat Panel

(E) Dynamic Range

1) Select a set of gray data points, check gamma level across full grayscale based on the current settings, then adjust level controls - Backlight, Brightness, Contrast and such - to get a suitable lowest and highest value, optimizing RGB fluctuations.

2) Select clipping data points to check there is no clipping of the three primaries below and above the White level.

RGB Chart: 5 Point 20% step 20-100%



White / Black	cd/m ²
100 / 0	
Level	20
Gamma	0
CCT	0
Y	0
Target	2.4
	6503
	6.4954

Session Setup

9/30/2019 Calibration

(A) Session Options

Start New Session

Session Info

More Options

Setup Notes

Calibration Description / Goals

Use u'v' CIE Charts

Luminance Unit
cd/m²

Input Level
Video (16-235)

Stimulus Unit
Percent

DeltaE Formula
de ITP

Colorspace Target
D65, HD BT.709

Gamma Formula
ITU BT.1886

Targets

cd/m2	Blk	fL	cd/m2	Wht	fL	Gamma
0.0001	3E-05		300	87.6		1

(B) Display Settings

AV Mode CMS 0 300 nits

Sharpness 0

Backlight 0

Color Temp Warm 2

Brightness 0

Color 0

Contrast 0

Tint 0

TV Gamma 0

Cut / Offset Gain

Red 0 0

Green 0 0

Blue 0 0

Profile Information

Profile Management

Current Profile 300 Nit 90 Stim Native 9/12

Display Type LCD (LED Quantum Dot) - Samsung 2018

2 Pattern Source Lumagen Radiance Pro Generator

Find → Kill All Manage Radiance series 460800 baud COM4 Size Full 100% Delay 0.25

3 Display / Processor Lumagen Radiance 3D LUT

Find → Kill All Manage Radiance series 460800 baud COM4 with 3D LUT Data Points 21 Display Memory CMS 0

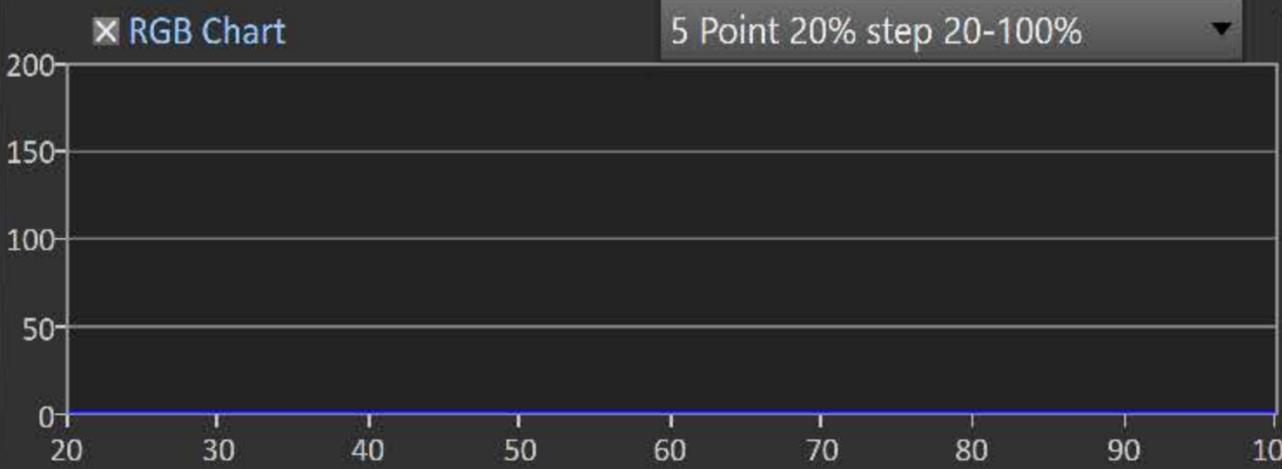
(D) Meter Setup

Position the meter as required for the projector or flat panel to insure accurate measurements when taking readings.



(E) Dynamic Range

- 1) Select a set of gray data points, check gamma level across full grayscale based on the current settings, then adjust level controls - Backlight, Brightness, Contrast and such - to get a suitable lowest and highest value, optimizing RGB fluctuations.
- 2) Select clipping data points to check there is no clipping of the three primaries below and above the White level.



White / Black cd/m²

100 / 0

Level 20

Gamma 0 2.4

CCT 0 6503

Y 0 6.4954

CalMAN

- PreCal Reads
- Gray 2-Point
- Gray MultiPnt
- Gamut Saturatn
- 3D LUT

Navigation buttons: Back, Next, AIIDCC, NOTES

Session Setup

(A) Session Options

Start New Session

Session Info

More Options

Use u'v' CIE Charts

Luminance Unit: cd/m²

Input Level: Video (16-235)

Stimulus Unit: Percent

DeltaE Formula: de ITP

Colorspace Target: D65, HD BT.709

Gamma Formula: ITU BT.1886

Targets

cd/m2	Blk	fl	cd/m2	Wht	fl	Gamma
0.0001	3E-05		300	87.6		1

(B) Display Settings

AV Mode: CMS 0 300 nits

Sharpness: 0

Color Temp: Warm 2

Color: 0

Tint: 0

Backlight: 0

Brightness: 0

Contrast: 0

TV Gamma: 0

	Cut / Offset	Gain
Red	0	0
Green	0	0
Blue	0	0

Display Controls

Input - Brightness: 0

Input - Contrast: 0

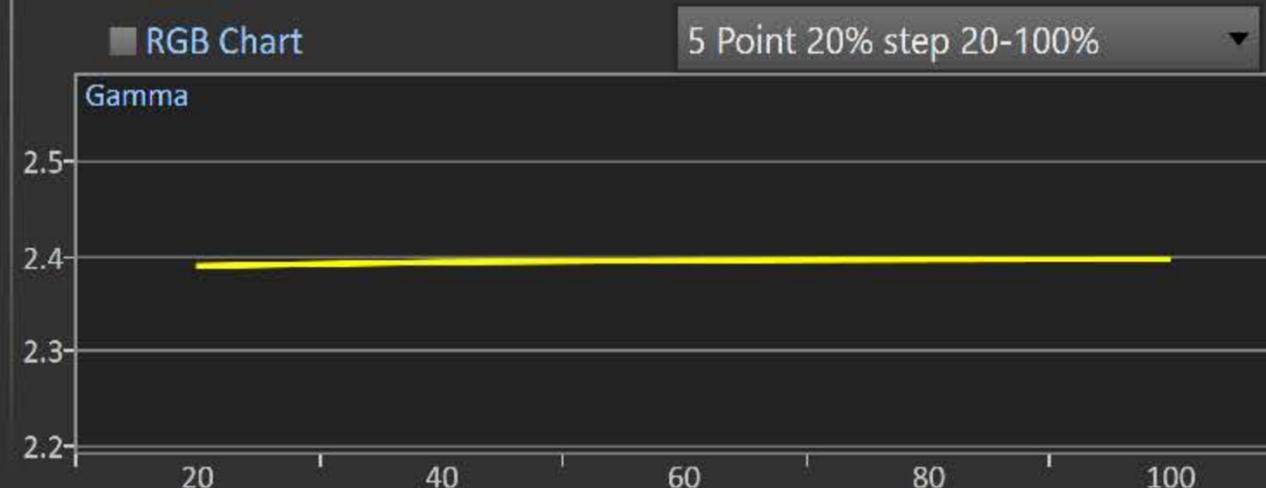
Input - Color: 0

Input - Tint: 0

DDC

Reset DDC

Display Memory: CMS 0



White / Black cd/m²: 100 / 0

Level: 20

Gamma 0: 2.4

CCT 0: 6503

Y 0: 6.4954

Navigation sidebar with buttons: PreCal Reads, Gray 2-Point, Gray MultiPnt, Gamut Saturatn, 3D LUT, Back, Next, AIIDDC, NOTES



Setting Up the Session

[Return](#)

(A) CalMAN Session Options

Enter the session description & calibration options in the corresponding drop-downs and text boxes

- Click [Session Info] to enter additional information
- Click [More Options] to open the options panel - the red [X] can be used to close it
- Click the checkmark above/below [Big] to expand the note next to it

(B) Display Settings

Enter the initial display settings to use for the calibration in the corresponding boxes - you can provide alternates in the Pre- and Post-Calibration layouts

(C) Hardware Configuration

1. To start calibrating your display/processor, first connect your meter.
 - a) Click the meter [Find] button and select your meter.
 - b) Select the Target Display Type.
2. Connect to your reference pattern source generator.
 - a) Click the source [Find] button, and select your Source.
 - b) Select the pattern window size and resolution.
3. Connect to your display/processor.
 - a) Click the display [Find] button and select your display or processor.
 - b) Click [DDC] to show the Direct Display Control panel when appropriate
4. Click the corresponding [Configure] button for more options.
5. Click on Profile to select, edit or create a meter profile.

(D) Meter Positioning

- 1a. For projectors position the meter facing the projection screen, far enough away from the screen to avoid reading the meter's own shadow (see illustration on the left). Continue to take readings.
- 1b. Press the read continuous button to take measurements of a white window while moving the meter up/down/left/right, until the Y Max reading is largest. When Y Max is highest, click *Stop*.
2. For flat panels position the meter on the center of the screen (see illustration on the right). You do not need to take readings for this placement.
3. You can also read the White level CCT based on the current settings - adjust the display's color temperature to best match the target CCT.

[Return](#)

(E) Dynamic Range

Overall Range

Adjust the Backlight control (for LED) to get the desired compromise between black and white levels: less Backlight = deeper black but lower white level, more Backlight = brighter white but higher black level too.

White Level

Data Points: select Clipping or Clipping with Peak White.

Adjust the Contrast to maximize the white level without clipping any of the three primaries.

Gamma Level

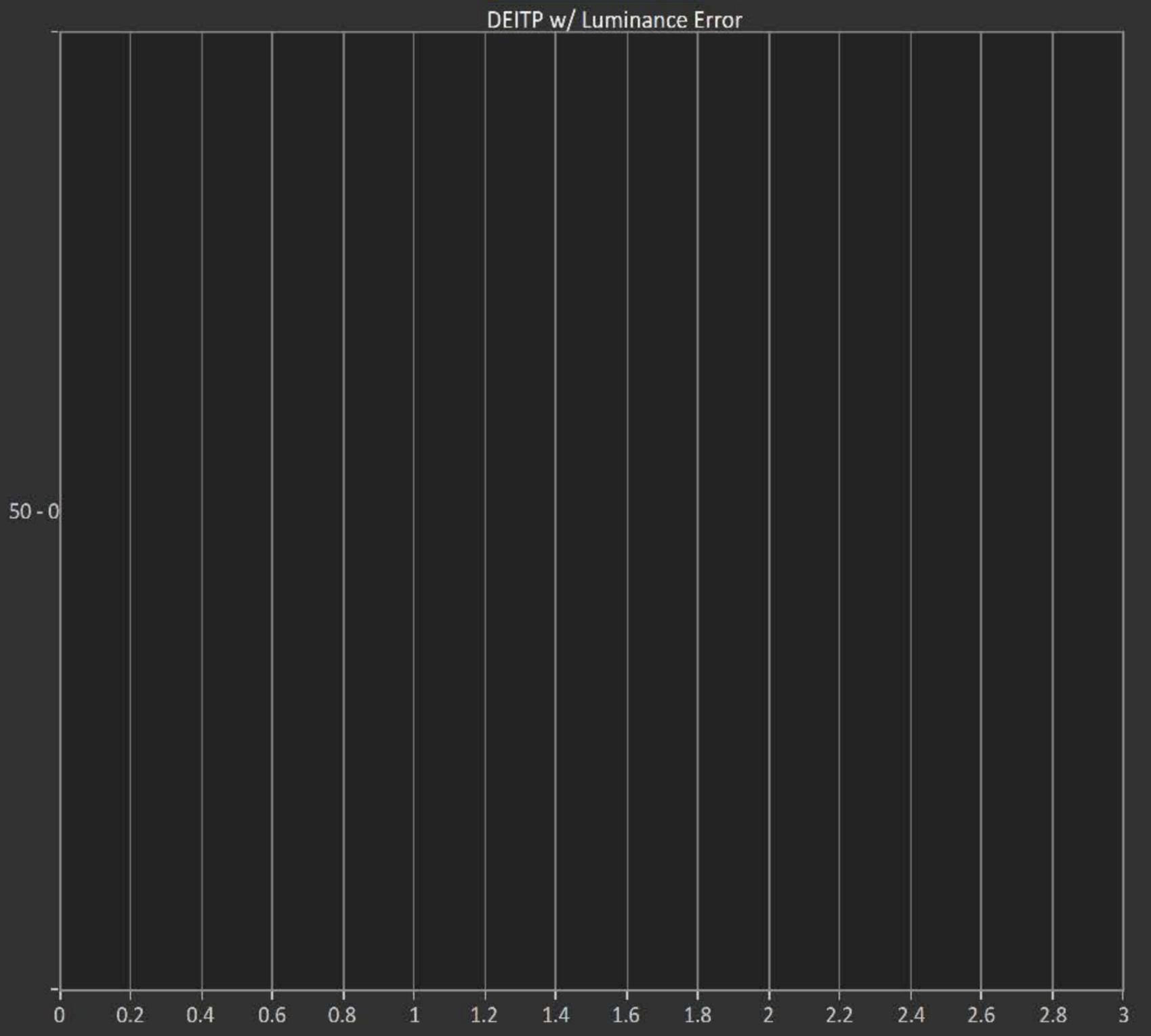
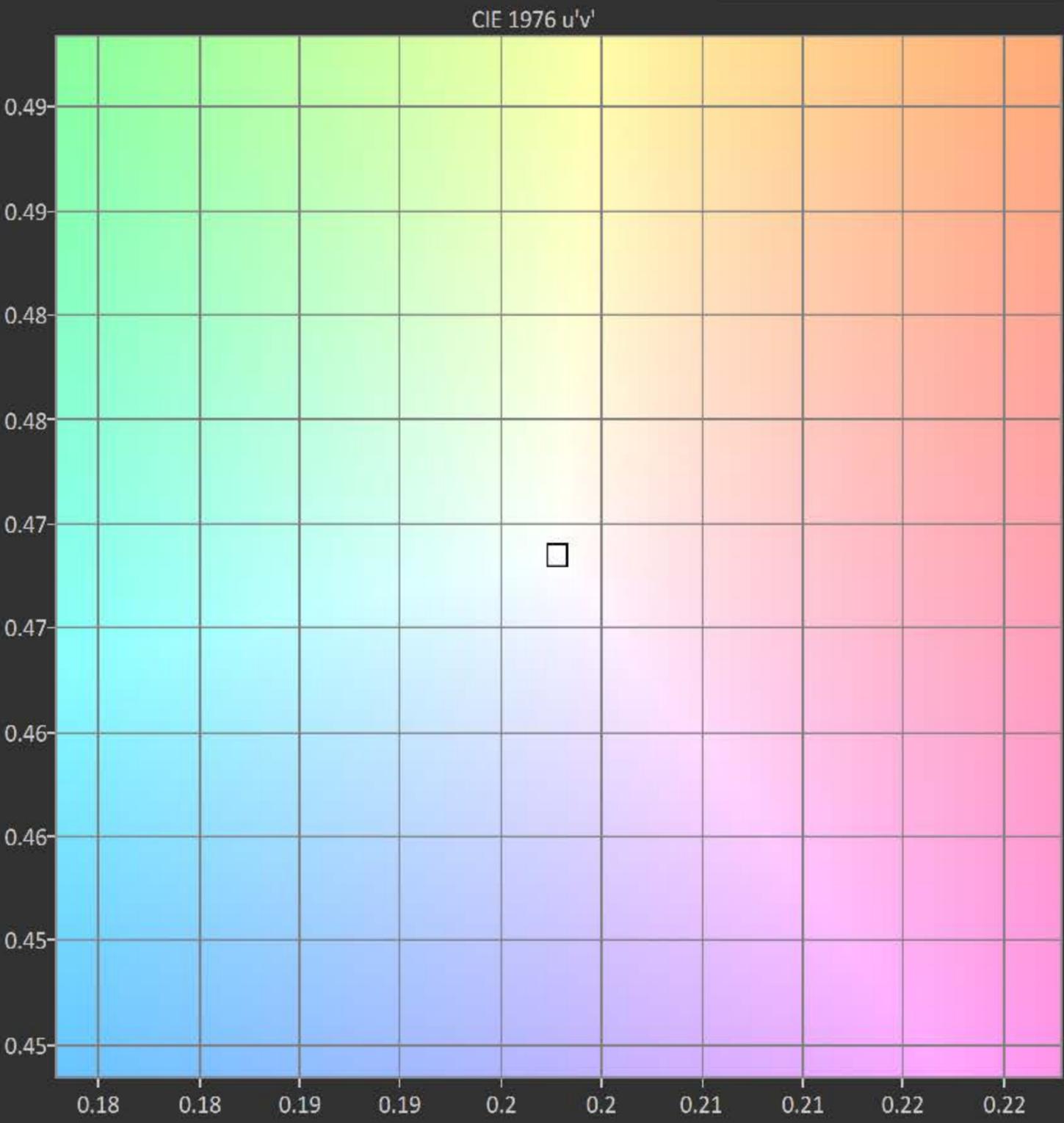
Data Points: select a full set of grayscale points for this.

Check the gamma level across the full grayscale based on the current settings, and adjust the display's gamma control to get a good match, tweaking with the Brightness for Black level & Contrast for White.

Meter Stability

SpectraCal C6

Session Setup



White Red Green Blue Cyan Magenta Yellow 100W

Stop Read 10 Read One Check Drift

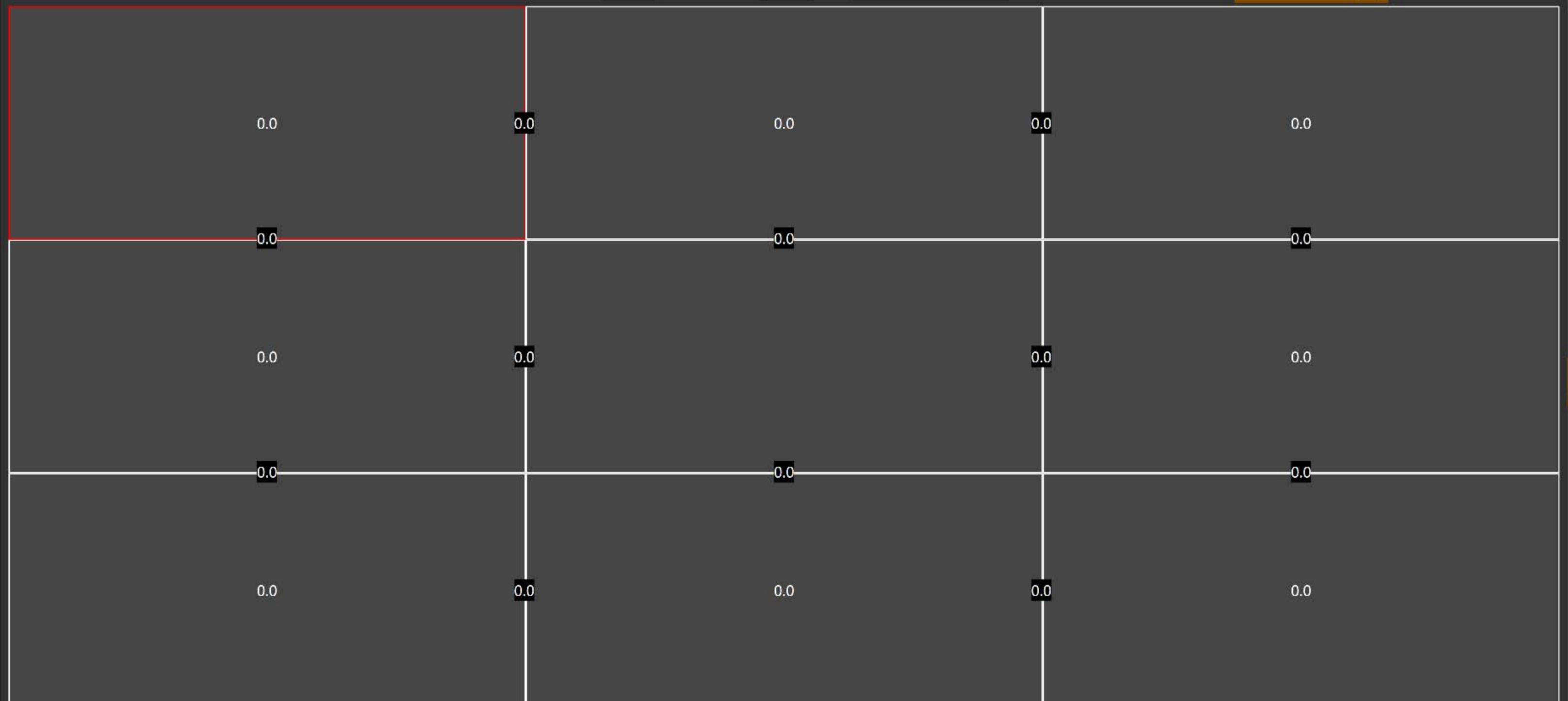
Clear History

NOTES

Screen Uniformity

Rows 3 Columns 3 Top to bottom

Session Setup ?



Gray Levels Only 4 Point 25% step 25-100%

Target Y 11.044 Read 0 ΔE /0

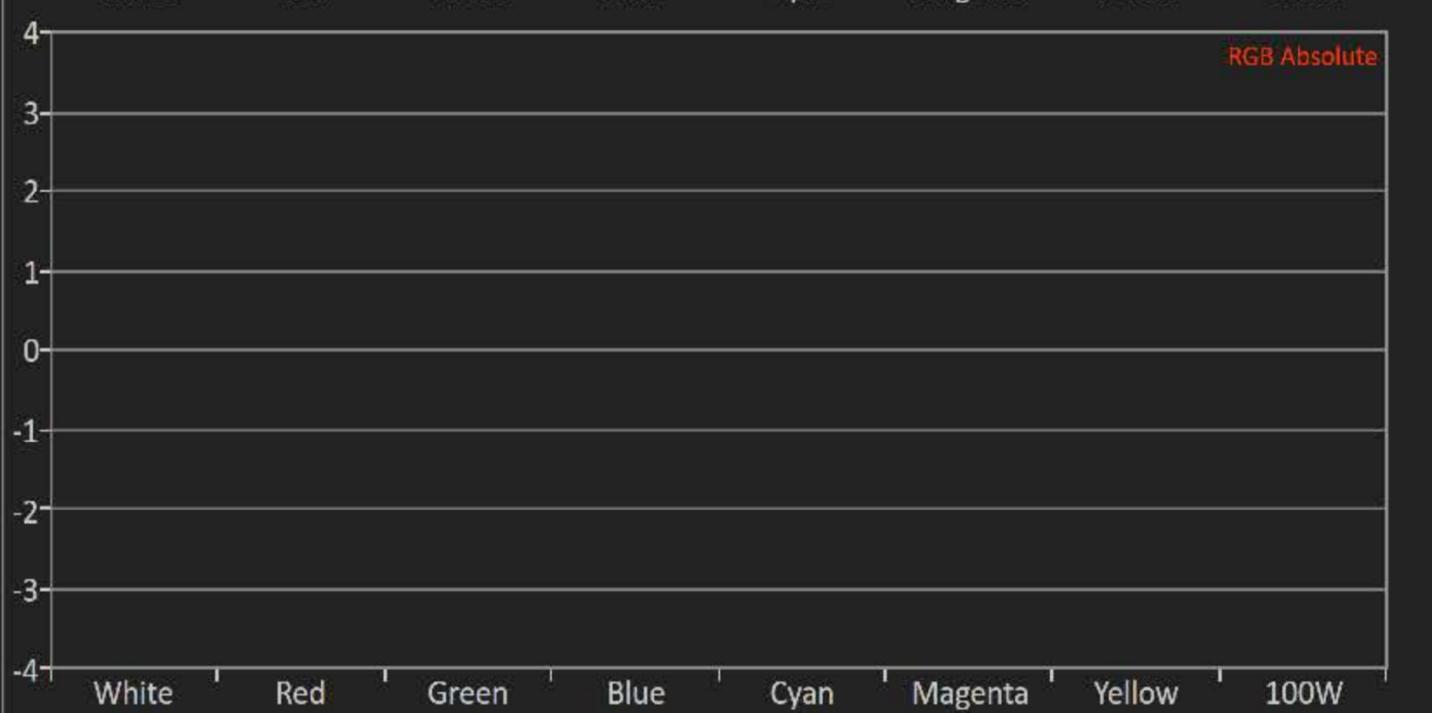
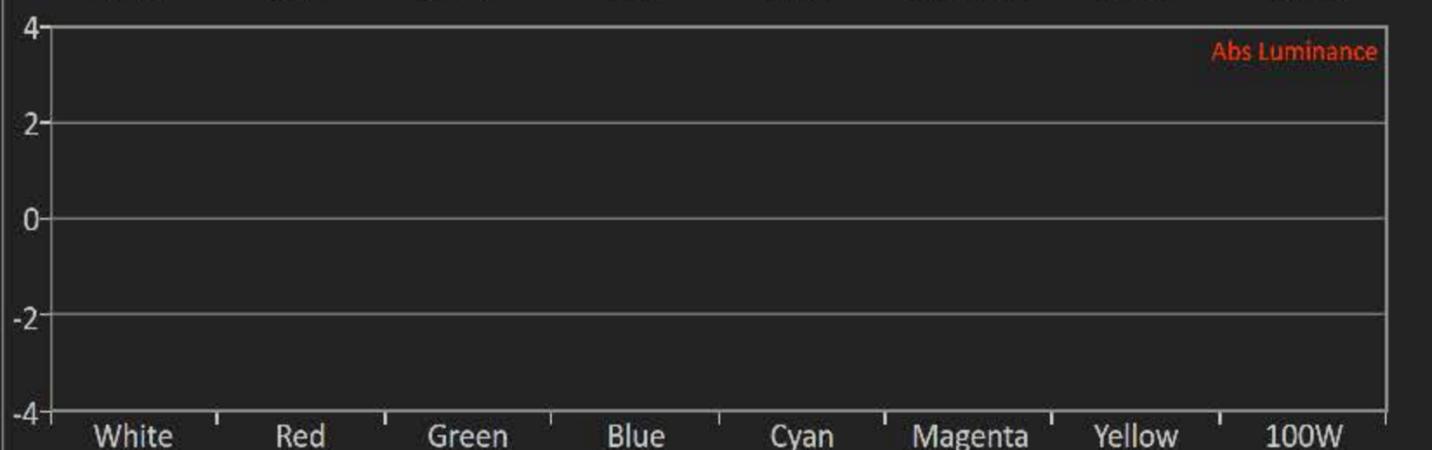
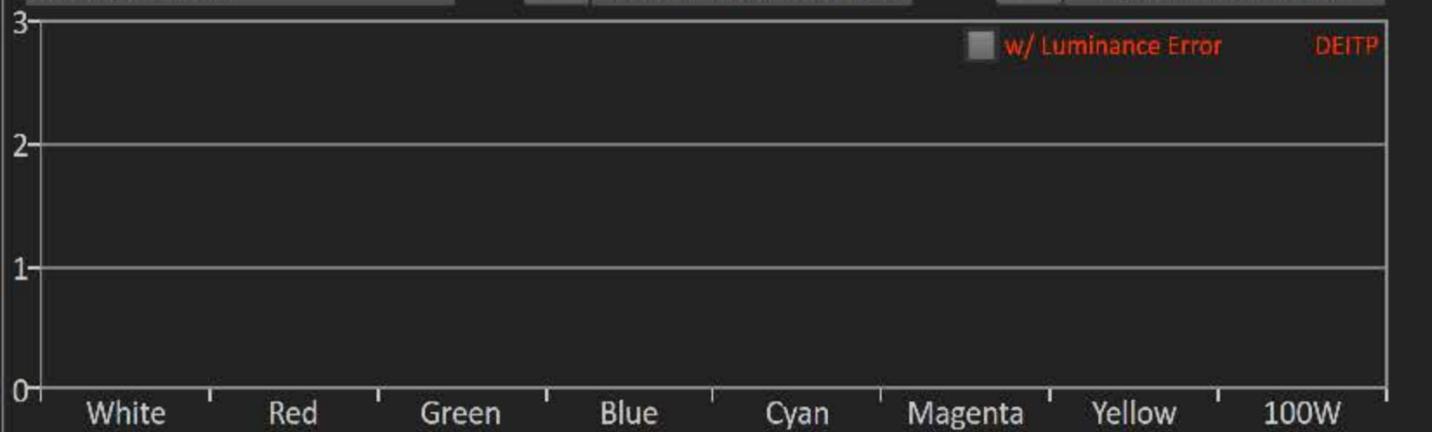
25 50 75 100

Type Grayscale

NOTES

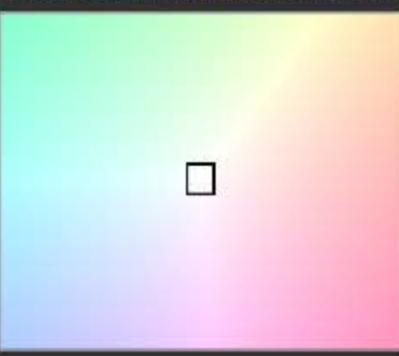
CMS Gamut Analysis Refresh Charts Target 100W → cd/m² **300** fL **87.56**

SpectraCal C6 Read All as Reference Read All as Profiled



Select a meter and do the appropriate reference or profiled Read All or a Read Single selected color. Select the same color in both CMS sliders to view a specific comparison: Reference is always on left or above. Session Setup ?

Reference Meter CMS



	White	Red	Green	Blue	Cyan	Magenta	Yellow	100W
Y cd/m ²	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
x: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
y: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RED Linear 0-1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Green Linear 0-1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Blue Linear 0-1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Read Single as Reference → White Red Green Blue Cyan Magenta Yellow 100W

↕ SpectraCal C6

Read Single as Profiled → White Red Green Blue Cyan Magenta Yellow 100W

Profiled Meter CMS



	White	Red	Green	Blue	Cyan	Magenta	Yellow	100W
Y cd/m ²	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
x: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
y: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RED Linear 0-1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Green Linear 0-1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Blue Linear 0-1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

CMS Detail	Reference	Profiled	Ref Target
Red Linear	0	0	0.50033
Green Linear	0	0	0.50033
Blue Linear	0	0	0.50033
Y cd/m ²	0	0	150.1
x CIE31	0	0	0.31271
y CIE31	0	0	0.32901
DEITP	0 / 0	0 / 0	

Color Checker DEITP Analysis w/ Lumin Error

Read All as Reference SpectraCal C6 Read All as Profiled

Create Profile

Meter Settings

Reference Meter SpectraCal C6 - 00102224

Advanced Options

Target Meter SpectraCal C6 - 00102224

Advanced Options

[Find more meters](#)

Source

Lumagen Radiance Pro Generator - 1

Stimulus Level: 100 Select stimulus between 75 - 95 to avoid clipping and better sample the display

Prompt for pattern changes

Profile Information

Current Profile 300 Nit 90 Stim Native 9/12 Rename

Display Type LCD (LED Quantum Dot) - Samsung 2018

Add Profile Remove Profile

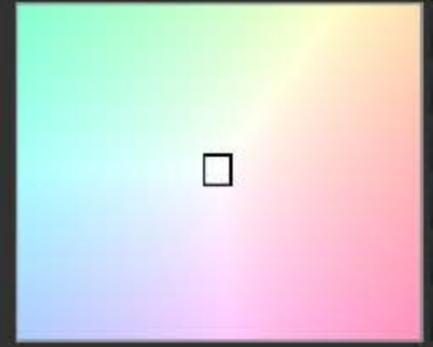
Generate Profile Matrix Single Pass Multi Pass

	I	X	Y	Z
X	0	1.15046134334126	-0.0139616964970358	-0.00698269019111056
Y	0	0.0139755763448394	1.11909015528095	-0.000977823546628605
Z	0	0.00226993888440505	-0.00398639614100552	1.11532060550129

Select a meter and do the appropriate reference or profiled Read All or a Read Single selected color.
 Select the same color in both CMS sliders to view a specific comparison: Reference is always on left or above.

Session Setup

Reference Meter CMS



	White	Red	Green	Blue	Cyan	Magenta	Yellow	100W
Y cd/m ²	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
x: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
y: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RED Linear 0-1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Green Linear 0-1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Blue Linear 0-1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Read Single as Reference →

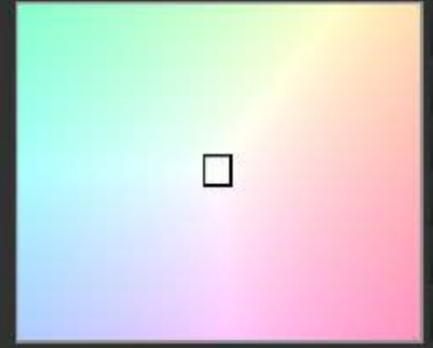
White Red Green Blue Cyan Magenta Yellow 100W

↕ SpectraCal C6

Read Single as Profiled →

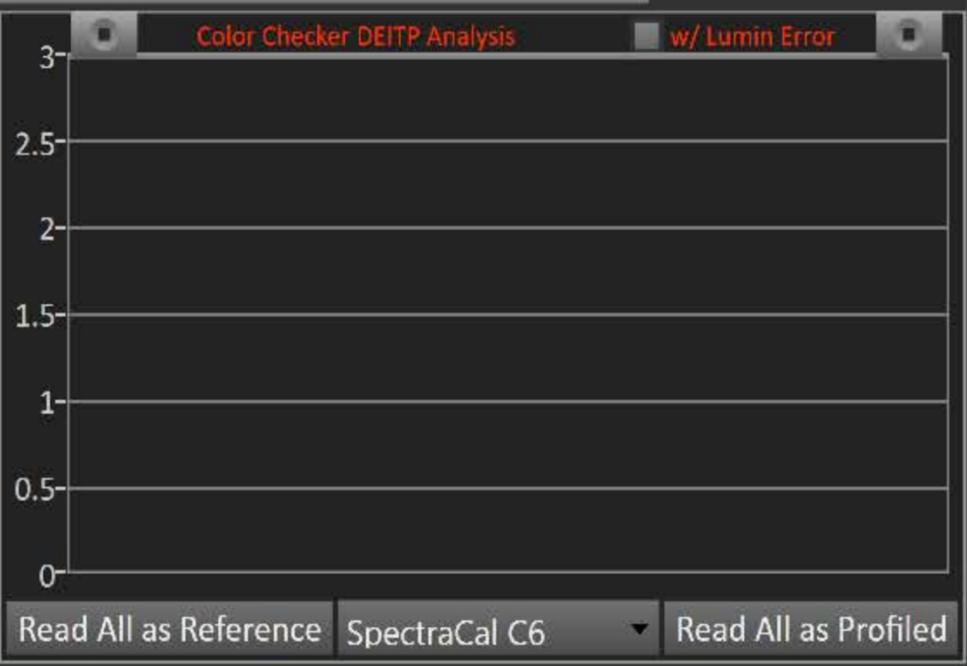
White Red Green Blue Cyan Magenta Yellow 100W

Profiled Meter CMS



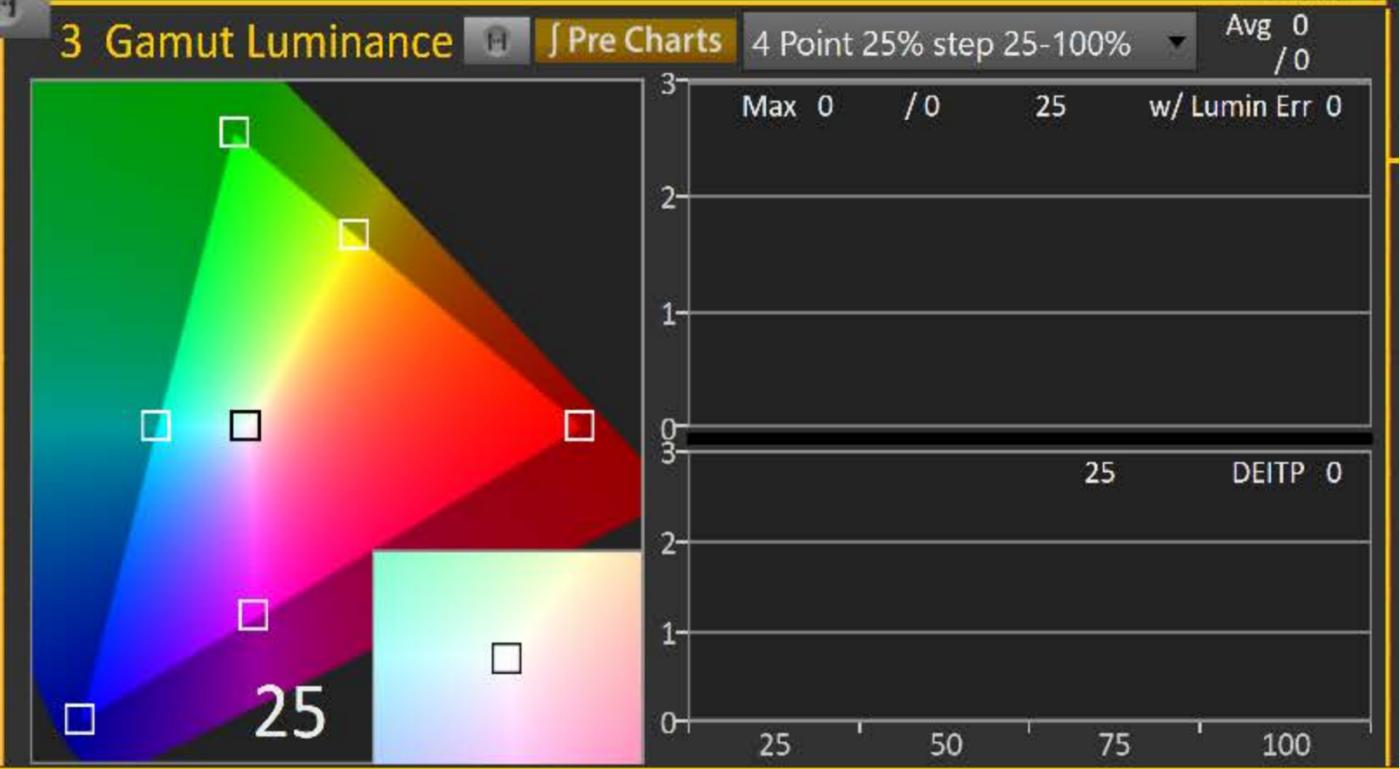
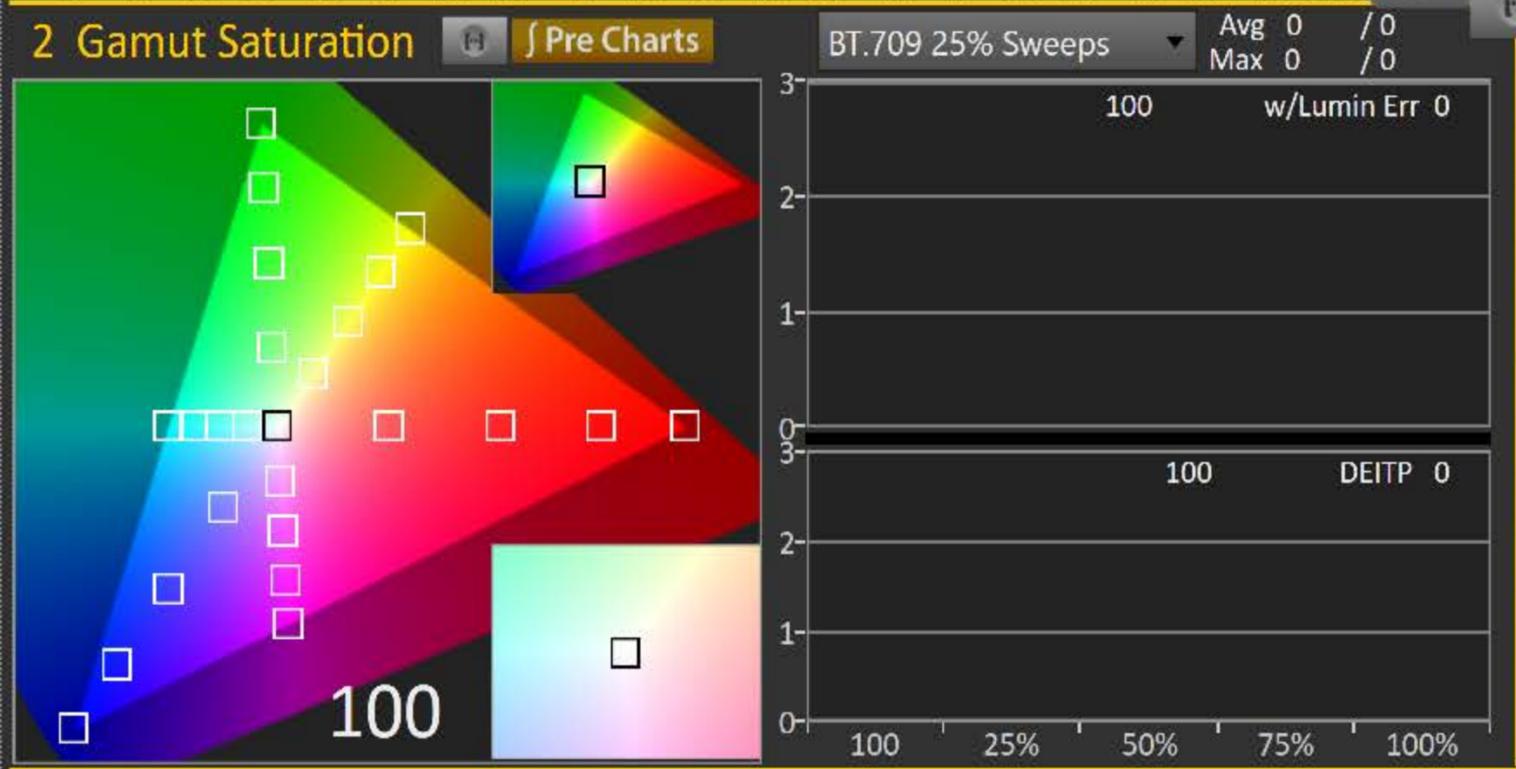
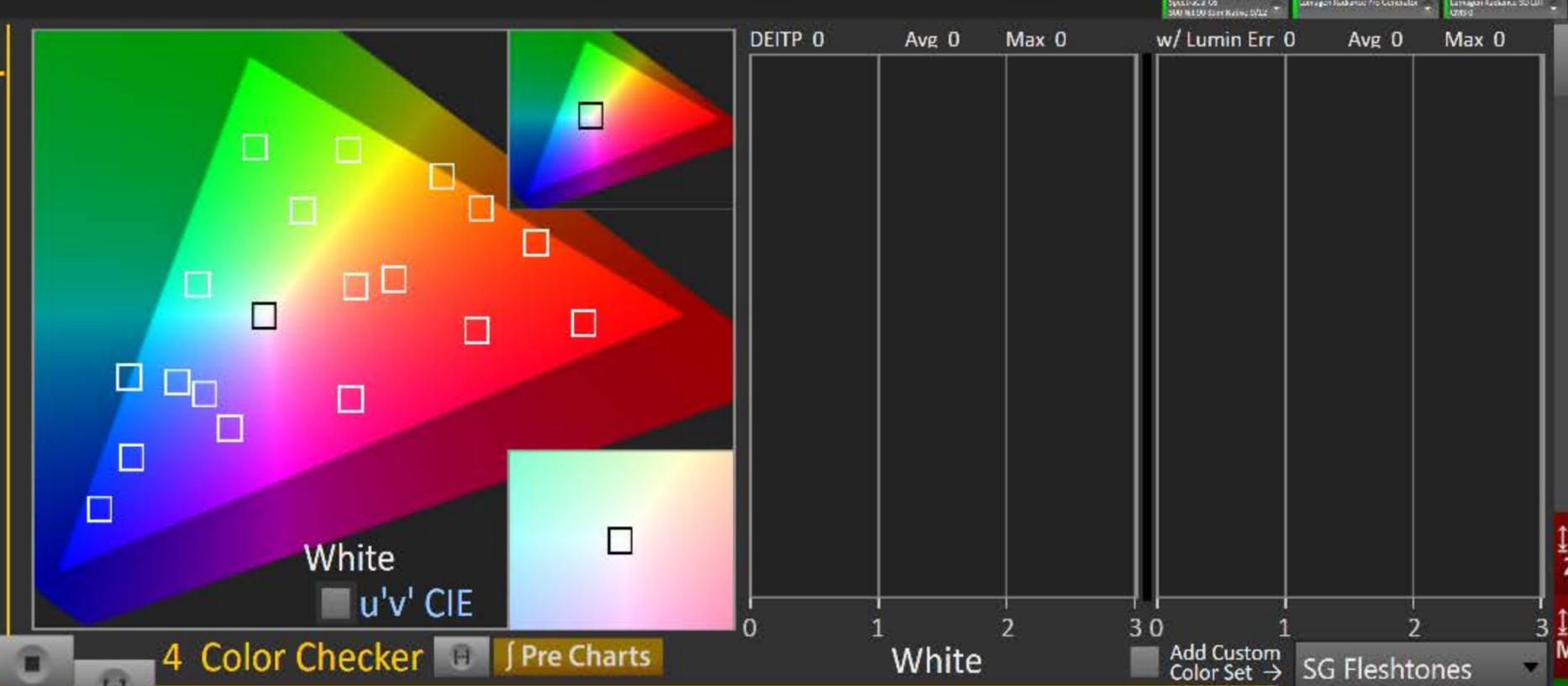
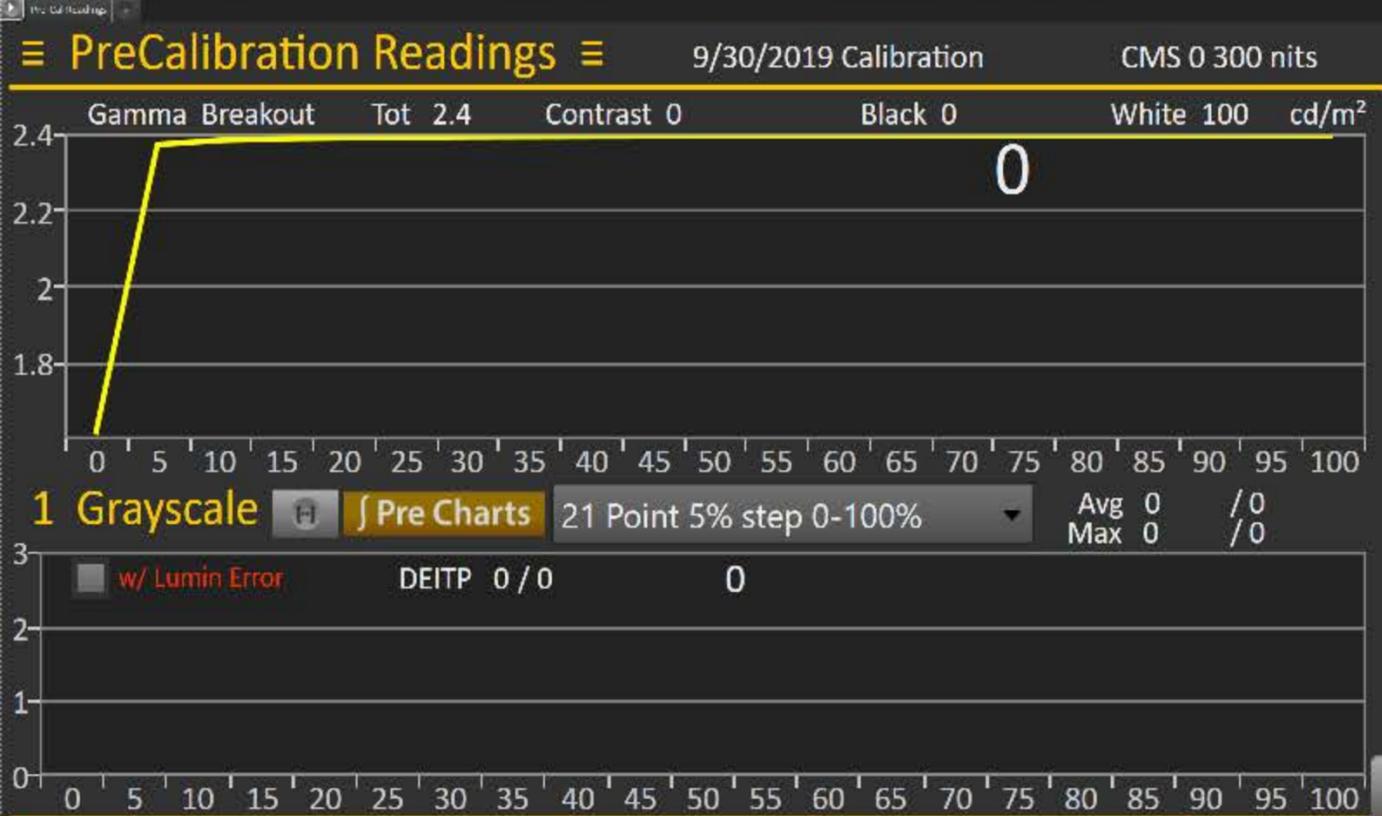
	White	Red	Green	Blue	Cyan	Magenta	Yellow	100W
Y cd/m ²	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
x: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
y: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
RED Linear 0-1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Green Linear 0-1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Blue Linear 0-1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

CMS Detail	Reference	Profiled	Ref Target
Red Linear	0	0	0.50033
Green Linear	0	0	0.50033
Blue Linear	0	0	0.50033
Y cd/m ²	0	0	150.1
x CIE31	0	0	0.31271
y CIE31	0	0	0.32901
DEITP	0 / 0	0 / 0	



Session Setup

NOTES



SG Fleshtones

Select Colors

Populate CMS for HT report

NAVIGATION: Back, Next, Home, Search

Display Slot CMS 0

PreCal Readings

Clear PreCal Data

Contrast TV Gamma Color Tint

Brightness Gain Red Green Blue

Backlight Cut/Offset

Use big in mid-screen or below right to read all series, or select one from the individual series above

NOTES

2-Point Grayscale Calibration

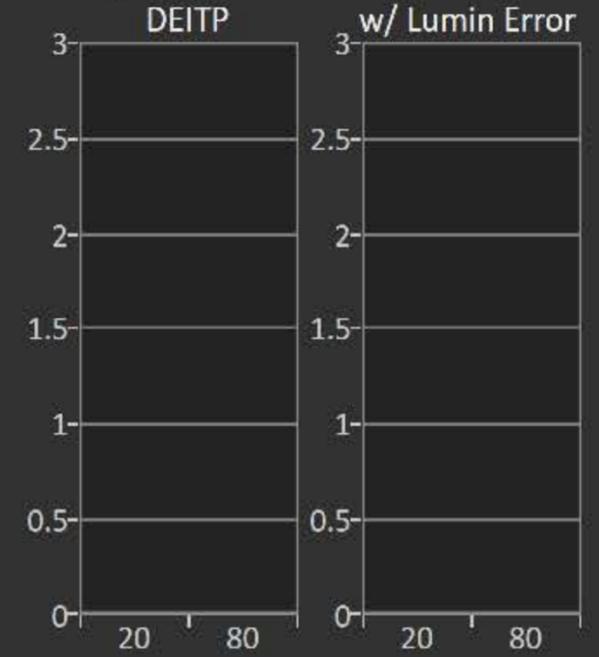
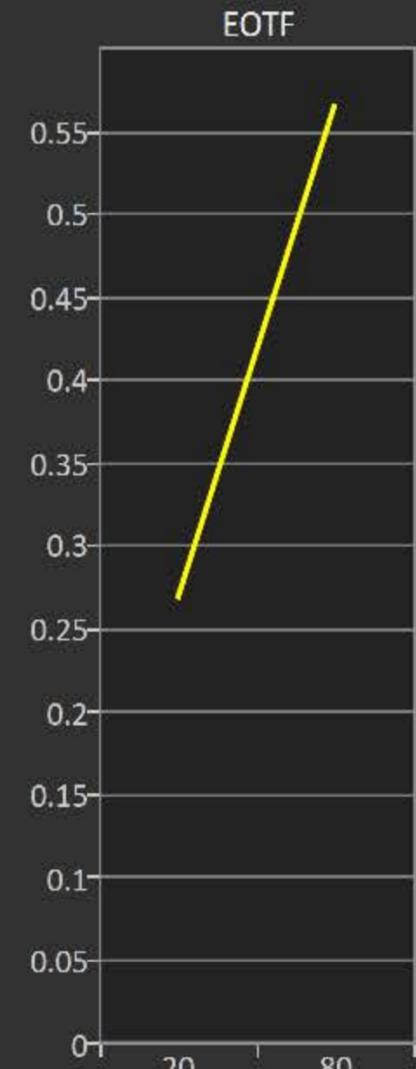
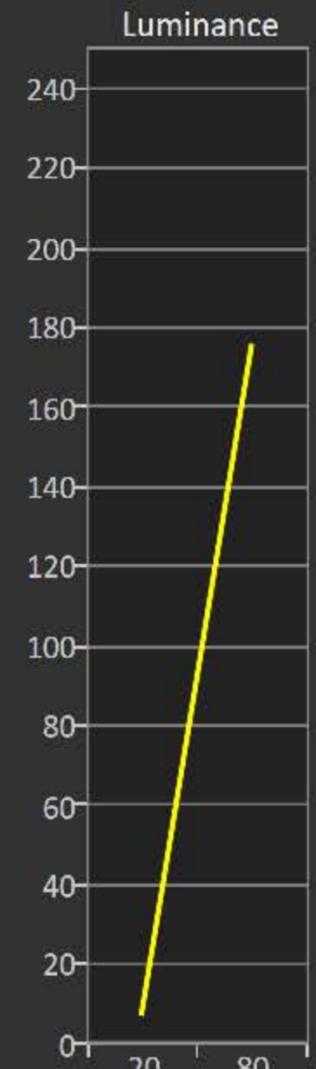
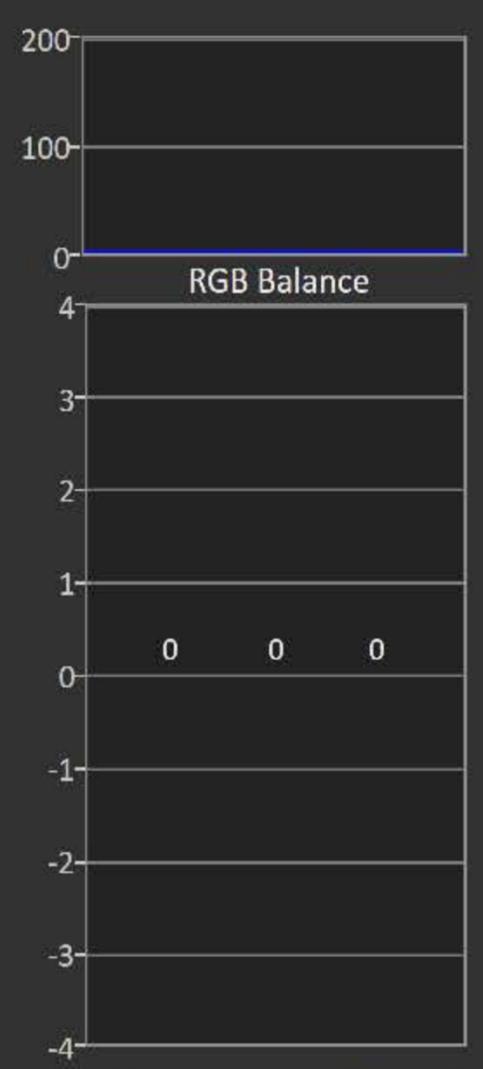
Grayscale 2-Point Adjust

1. Reduce the Red, Green, and/or Blue (RGB) High controls to the lowest measured R, G, or B after the initial measurement of bright grayscale pattern. Continue doing this until you balance RGB to a deltaE of 3 or below (chart below).
2. Balance the RGB Low controls (if provided), while measuring a dark grayscale pattern.
3. Re-measure both bright grayscale and dark grayscale until both RGB High and RGB Low are balanced and DeltaE is under 3.

Selecting Points:

- **20/30% and 80%:** Use these levels if you only have access to a two point grayscale adjustment
- **20/30% and 100%:** Use these levels if you will be completing a multipoint adjustment afterwards and do not have access to a Peak White pattern.
- **20/30% and Peak White:** Use these levels if your display does not clip and you will be completing a multipoint calibration and want the best possible results.

	20	80
RGB Triplet	60, 60, 60	191, 191, 191
Red index	60.0000	191.0000
Green index	60.0000	191.0000
Blue index	60.0000	191.0000
X	0.0000	0.0000
Y cd/m ²	0.0000	0.0000
Z	0.0000	0.0000
Xn 0-1	0.0000	0.0000
Yn 0-1	0.0000	0.0000
Zn 0-1	0.0000	0.0000
Stimulus Percent	0.2009	0.7991
RED Stim%:0-1	0.2009	0.7991
GRN Stim%:0-1	0.2009	0.7991
BLU Stim%:0-1	0.2009	0.7991



20

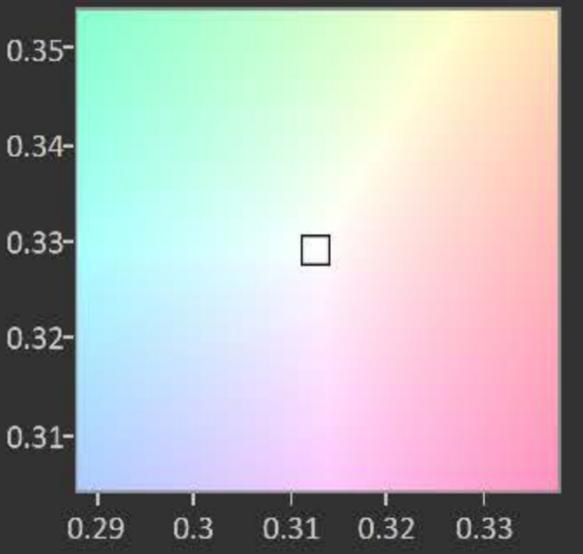


CCT 0 6503 Target
Gamma 0 2.39 Target

DEITP 0 / 0 w/ Lumin Error

Read → Y cd/m² 0 X 0 Y 0
Target → 6.49536 0.3127 0.329

DDC 2 Point 20%, 80% Triplet 60, 60, 60



Session Setup

Gray MultiPnt

Gamut Saturatn

3D LUT

PostCal Reads

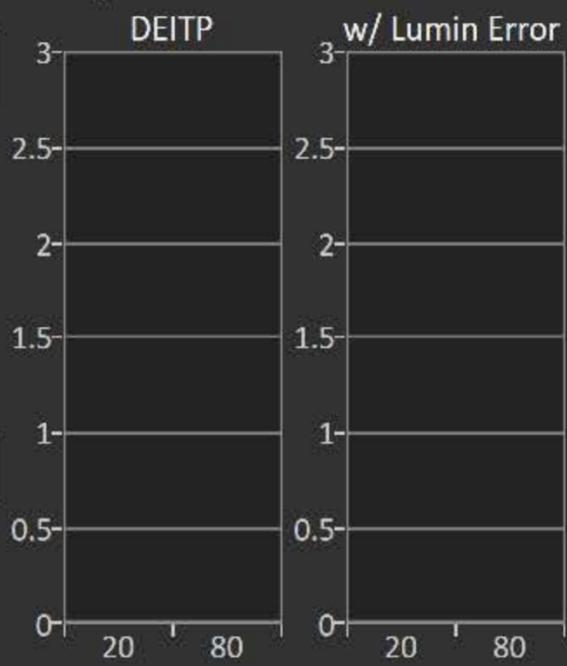
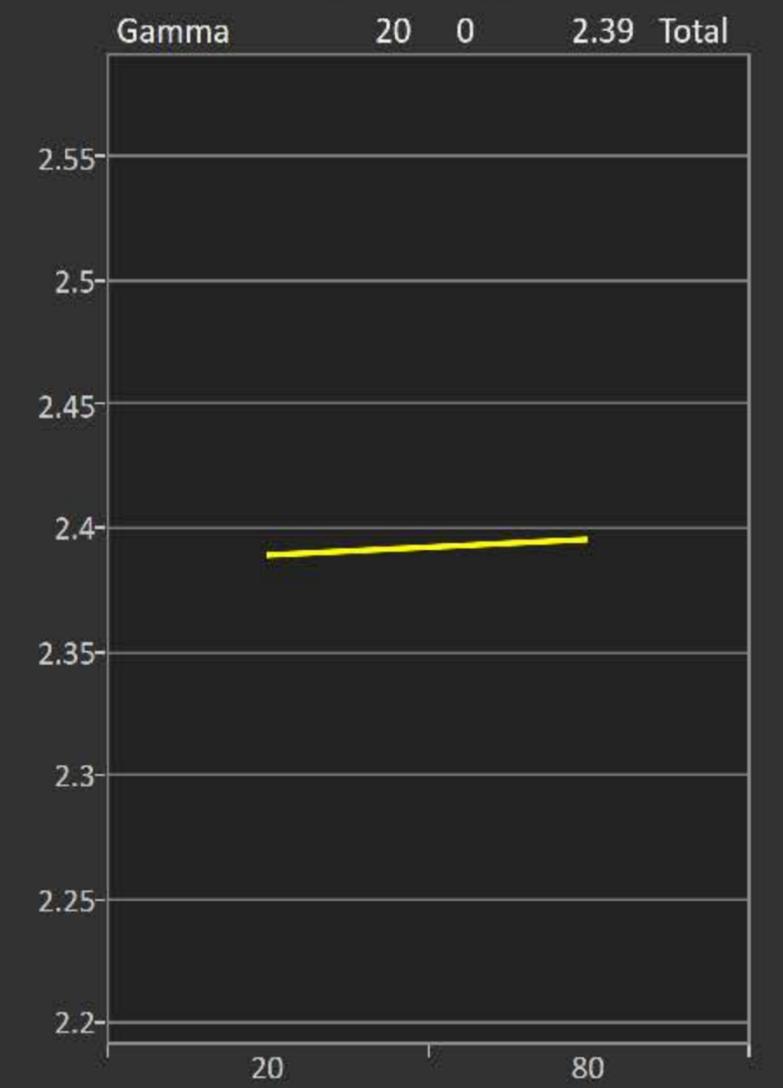
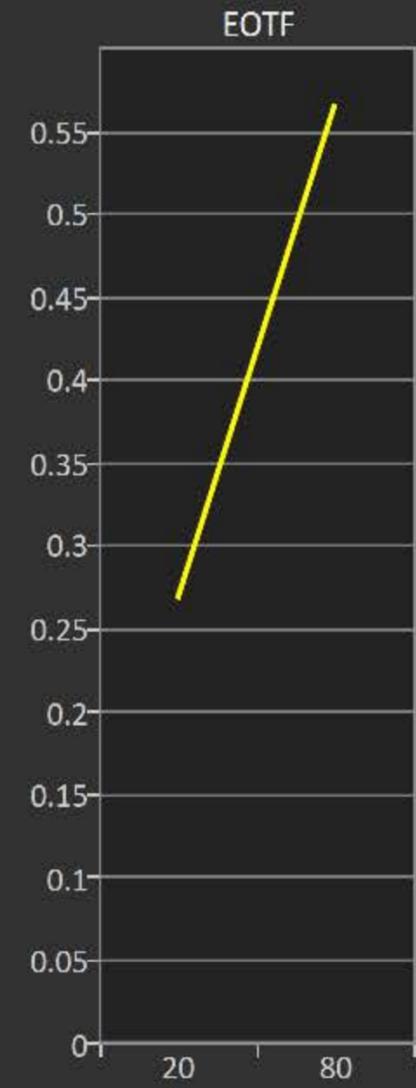
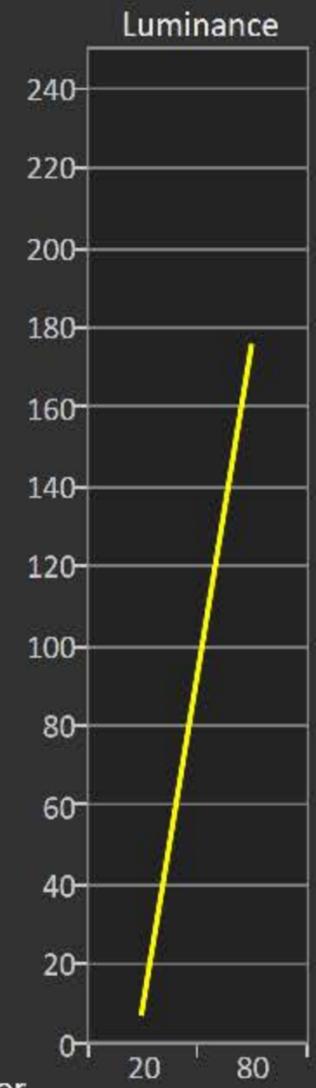
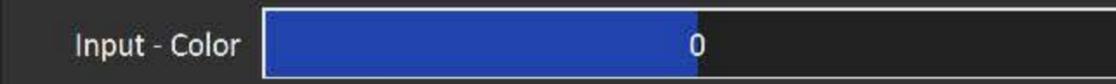
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NOTES

2-Point Grayscale Calibration

Display Controls



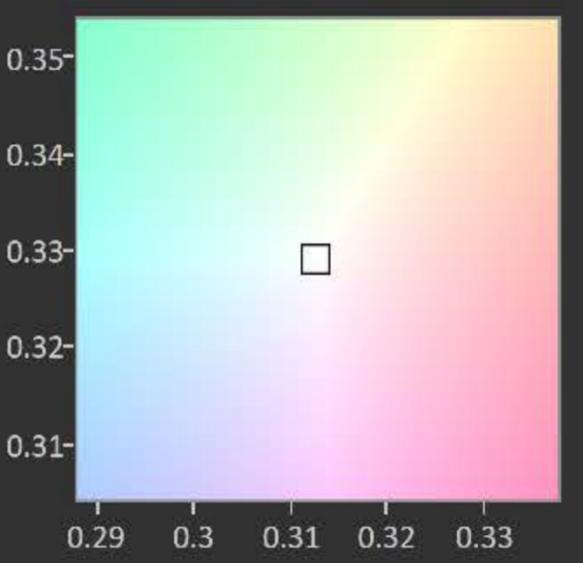
20

CCT 0 6503 Target

Gamma 0 2.39 Target

DEITP 0 / 0 w/ Lumin Error

	Y cd/m ²	X	Y
Read →	0	0	0
Target →	6.49536	0.3127	0.329



DDC 2 Point 20%, 80% Triplet 60, 60, 60

- Session Setup
- Gray MultiPnt
- Gamut Saturatn
- 3D LUT
- PostCal Reads

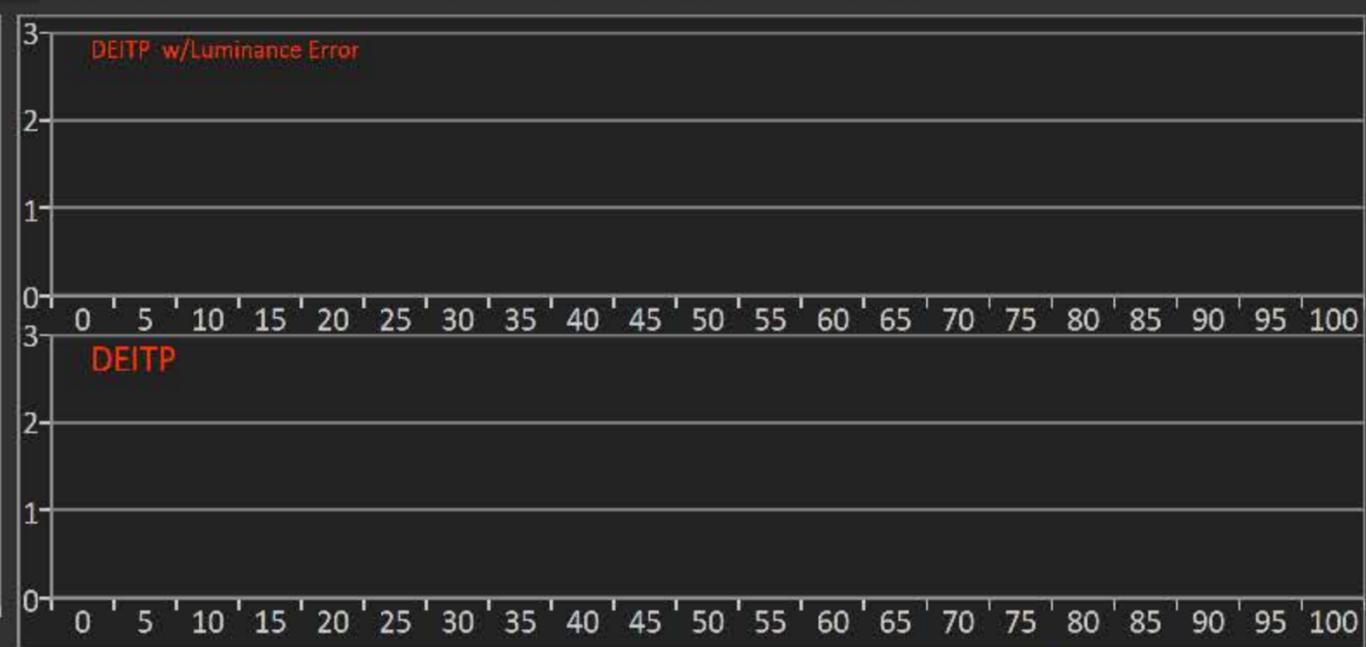
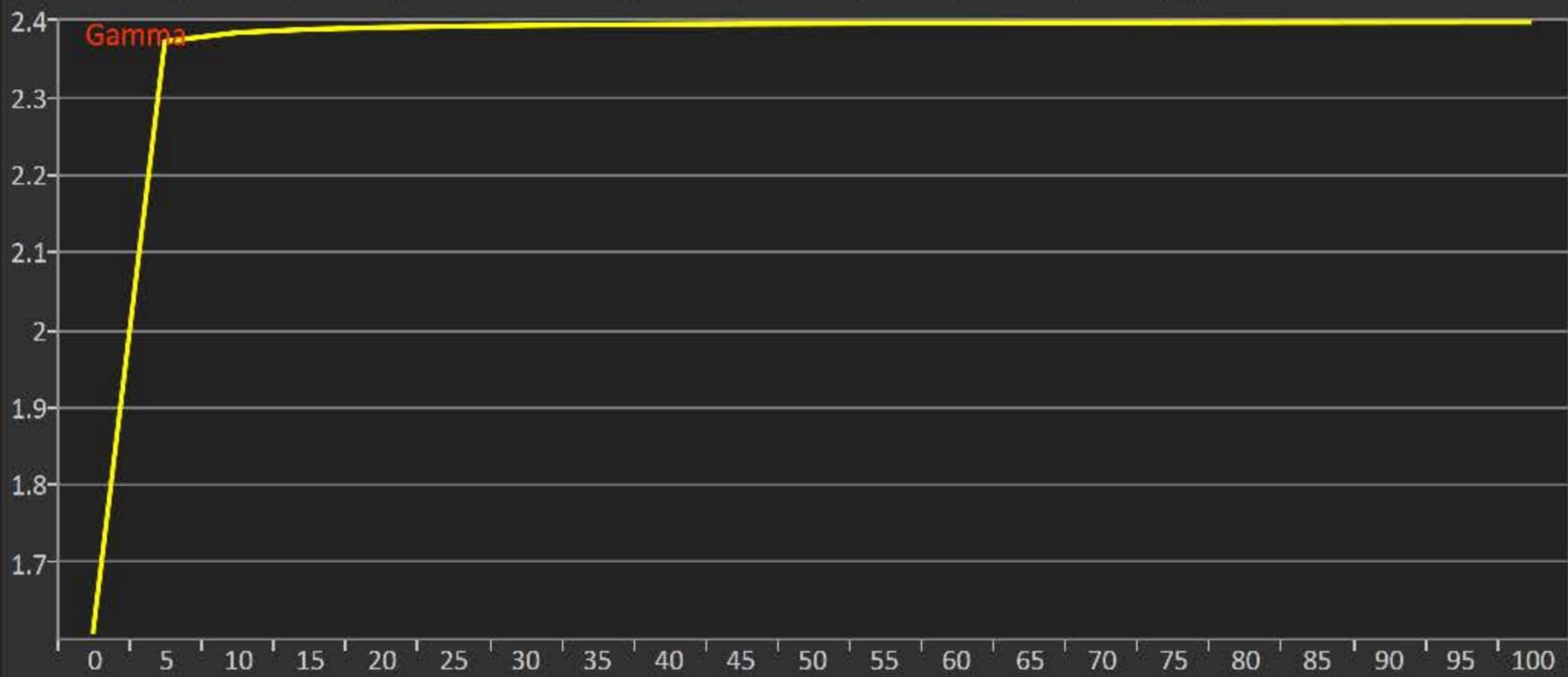
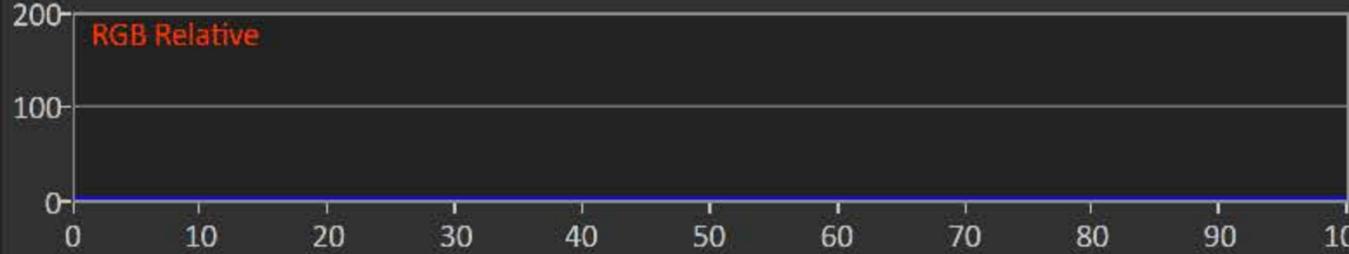
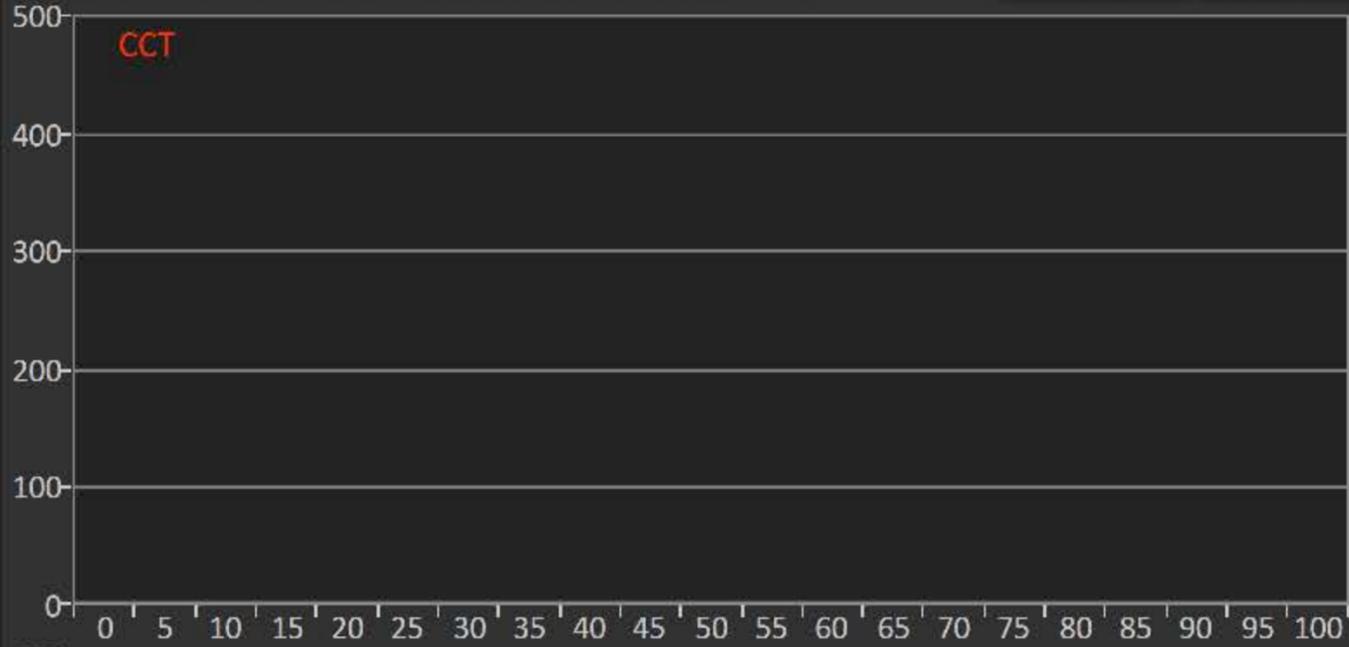
Back Next

NAV

NOTES

Multi-Point Grayscale Calibration

CCT EOTF Luminance ← Chart Mode Show DDC Comparator Datagrid

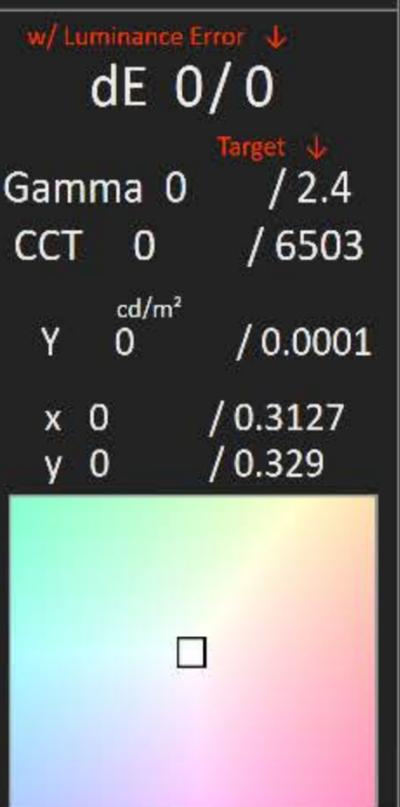
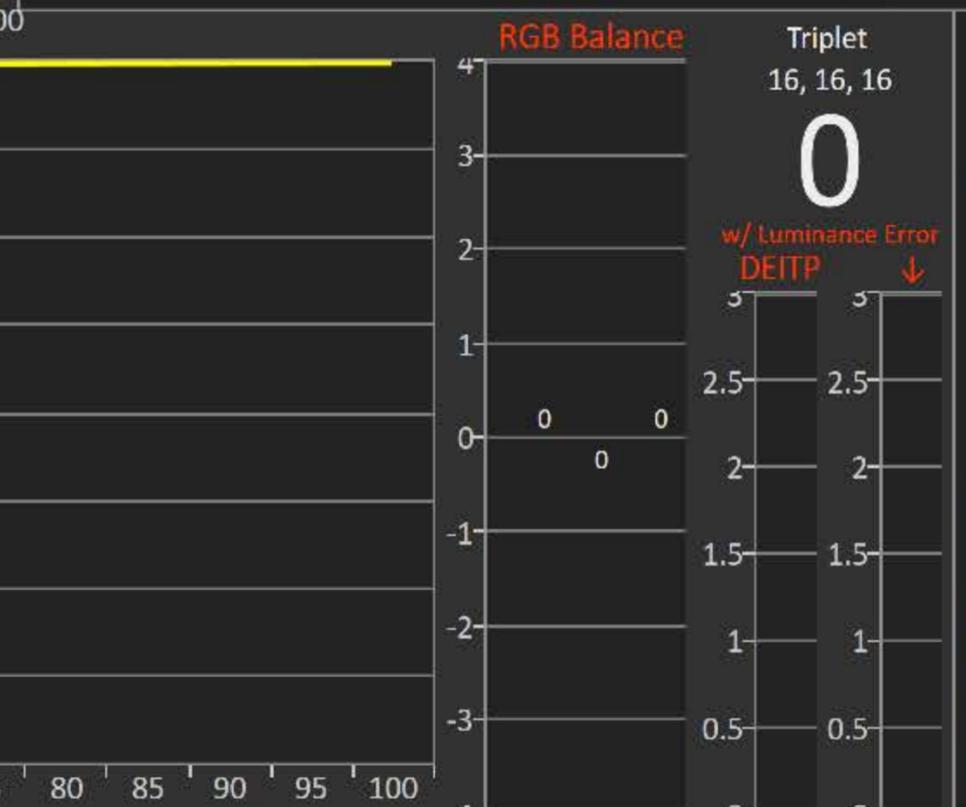


CCT
Avg 0 Tgt 6503
DEITP Avg 0 / 0 Max 0 / 0

Gamma
Tot 2.4 Tgt 2.4

Contrast 0
Black 0 cd/m²
White 100

Summary
Config/CMS 0
Gray Levels 21 Point 5% step 0-100%



	Red	Green	Blue
0	0	0	0
5	5	5	5
10	10	10	10
15	15	15	15
20	20	20	20
25	25	25	25
30	30	30	30
35	35	35	35
40	40	40	40
45	45	45	45
50	50	50	50
55	55	55	55
60	60	60	60
65	65	65	65
70	70	70	70
75	75	75	75
80	80	80	80
85	85	85	85
90	90	90	90
95	95	95	95
100	100	100	100

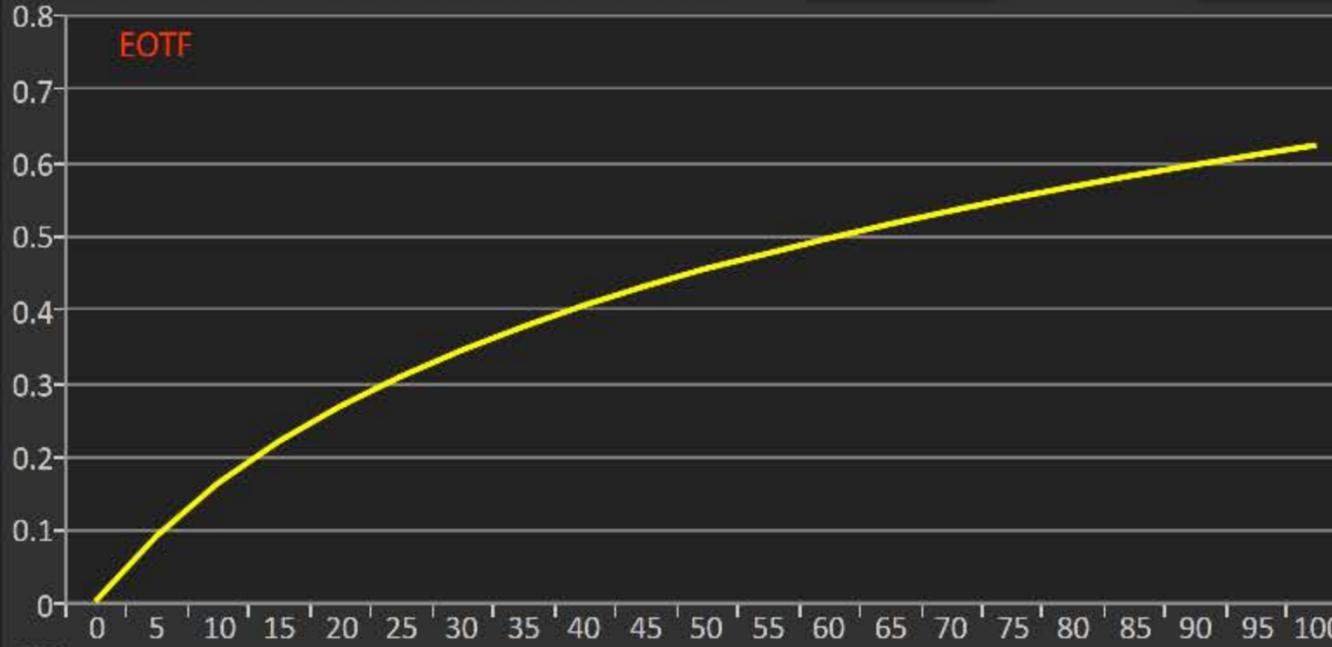
Reset Grayscale Run AutoCal

21 Point 5% step 0-100%

Session Setup
Gray 2-Point
Gamut Saturatn
3D LUT
PostCal Reads
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Next
Compare Calibrtns
NOTES

Multi-Point Grayscale Calibration

CCT EOTF Luminance Chart Mode Show DDC Comparator Datagrid



Input - Brightness 0

Input - Contrast 0

Input - Color 0

Input - Tint 0

Input - Color Red 0

Input - Color Green 0

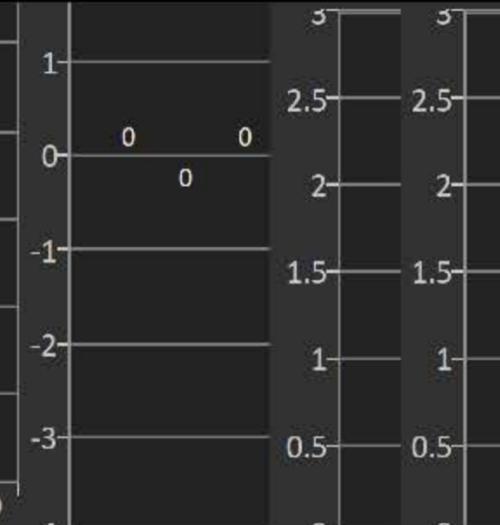
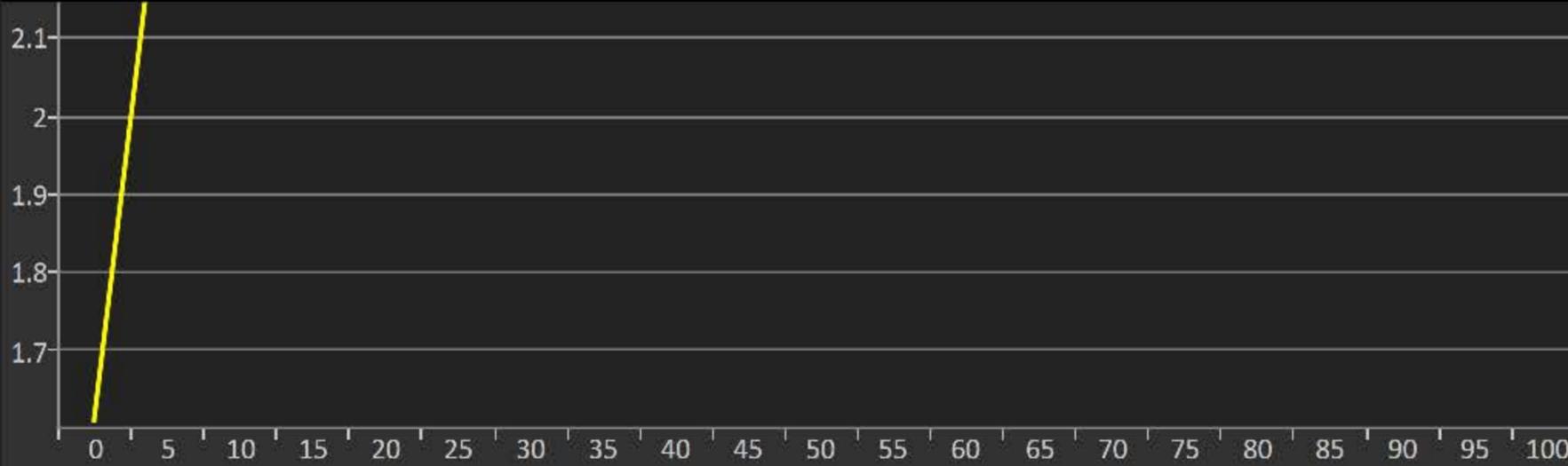
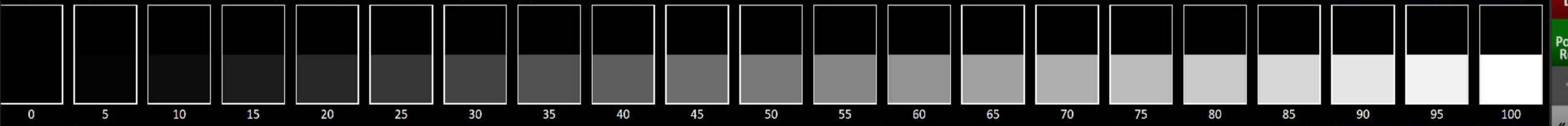
Input - Tint Red 0

Input - Tint Green 0

Output - Gamma Factor 1

100% White (Red) 100

	Red	Green	Blue
0	0	0	0
5	5	5	5
10	10	10	10
15	15	15	15
20	20	20	20
25	25	25	25
30	30	30	30
35	35	35	35
40	40	40	40
45	45	45	45
50	50	50	50
55	55	55	55
60	60	60	60



Y 0 / 0.0001

x 0 / 0.3127

y 0 / 0.329

80	80	80	80
85	85	85	85
90	90	90	90
95	95	95	95
100	100	100	100

Reset Grayscale Run AutoCal

21 Point 5% step 0-100%

Session Setup

Gray 2-Point

Gamut Saturatn

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PostCal Reads

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Compare Calibrtns

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	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
RGB Triplet	16, 16, 16	27, 27, 27	38, 38, 38	49, 49, 49	60, 60, 60	71, 71, 71	82, 82, 82	93, 93, 93	104, 104, 104	115, 115, 115	126, 126, 126	136, 136, 136	147, 147, 147	158, 158, 158	169, 169, 169	180, 180, 180
Target Y cd/m ²	0.0001	0.2501	1.2600	3.2823	6.4954	11.0440	17.0523	24.6304	33.8777	44.8853	57.7381	71.0901	87.6812	106.3353	127.1200	150.0997
Y cd/m ²	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Target x:CIE31	0.3127	0.3127	0.3127	0.3127	0.3127	0.3127	0.3127	0.3127	0.3127	0.3127	0.3127	0.3127	0.3127	0.3127	0.3127	0.3127
x: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Target y:CIE31	0.3290	0.3290	0.3290	0.3290	0.3290	0.3290	0.3290	0.3290	0.3290	0.3290	0.3290	0.3290	0.3290	0.3290	0.3290	0.3290
y: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Target CCT	6503.4440	6503.4440	6503.4440	6503.4440	6503.4440	6503.4440	6503.4440	6503.4440	6503.4440	6503.4440	6503.4440	6503.4440	6503.4440	6503.4440	6503.4440	6503.4440
CCT	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Session Setup

Gray 2-Point

Gamut Saturatn

3D LUT

PostCal Reads

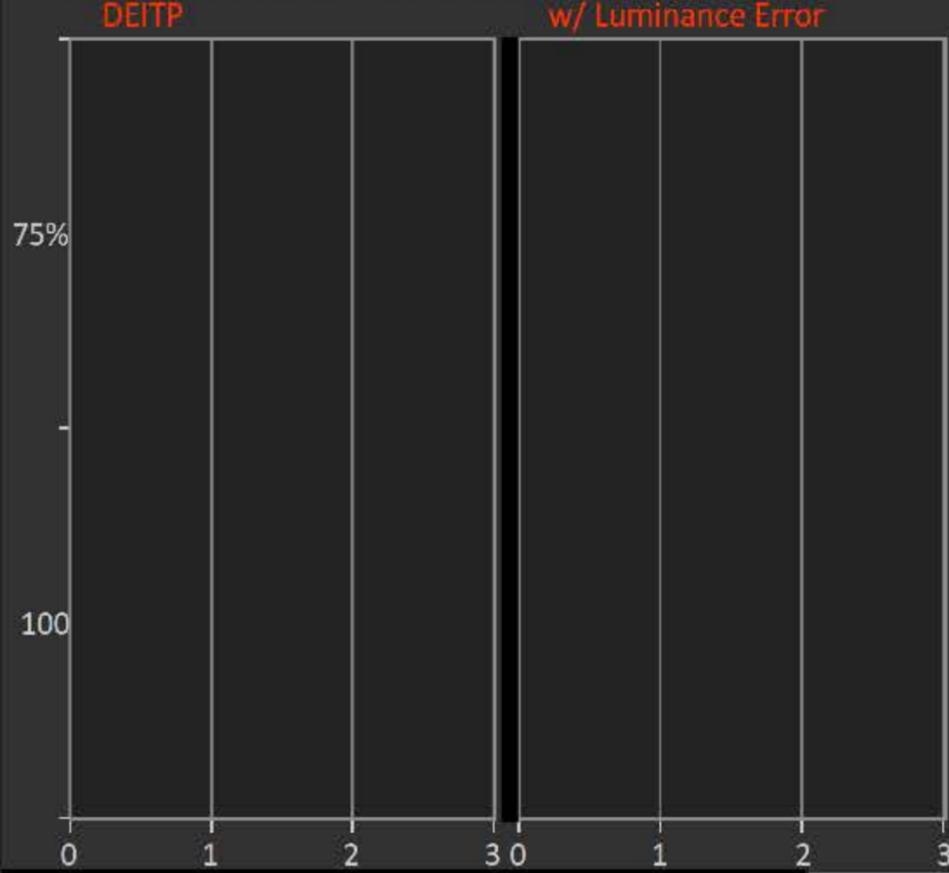
NAV I

Compare Calibrtns

NOTES

Gamut Saturation Calibration

Datagrid



Summary

DEITP w/Lum Err ↓

Avg 0 / 0

Max 0 / 0

Delta L

Avg 0

Max 0

Delta H

Avg 0

Max 0

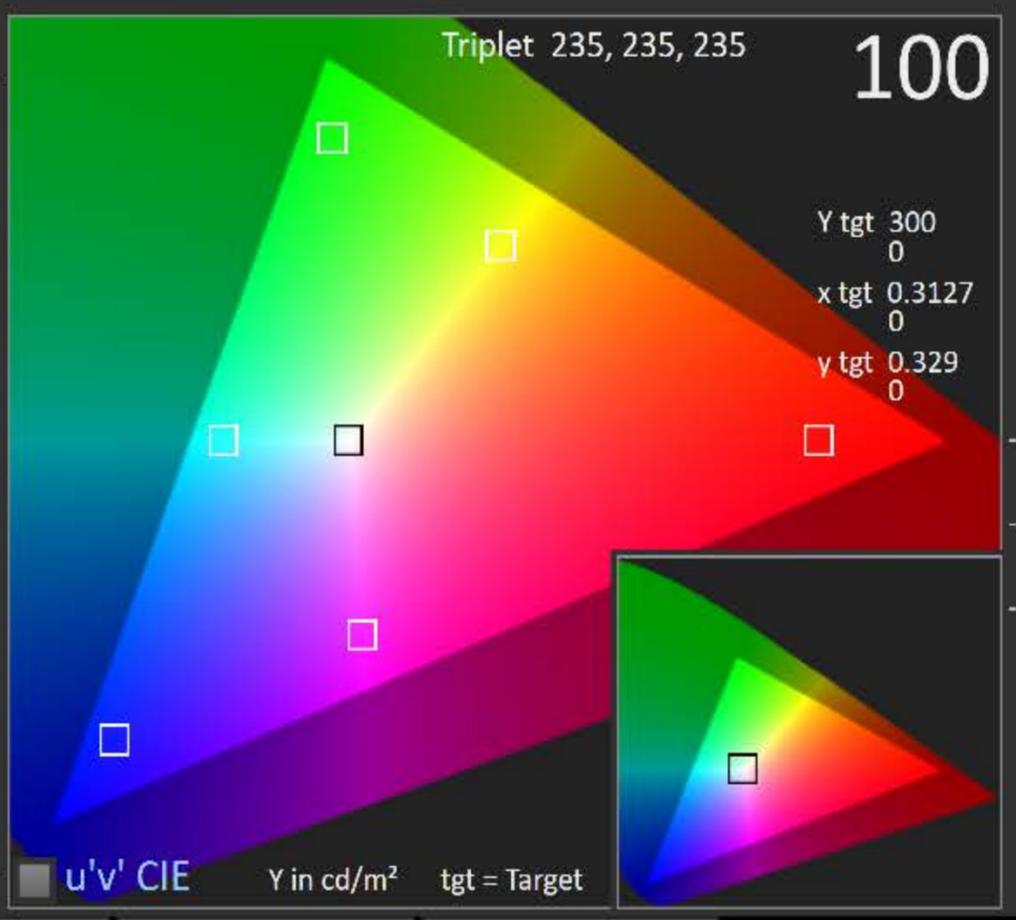
Delta C

Avg 0

Max 0

Black 0

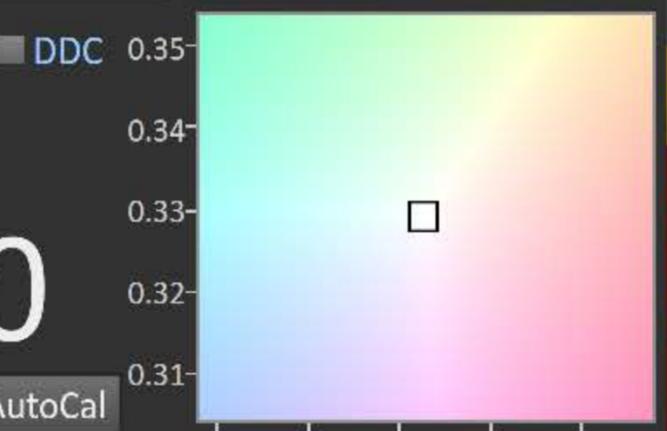
White 100



	Red	Green	Blue
Red	100	0	0
Green	0	100	0
Blue	0	0	100
Cyan	0	100	100
Magenta	100	0	100
Yellow	100	100	0

Reset CMS

Reload CMS



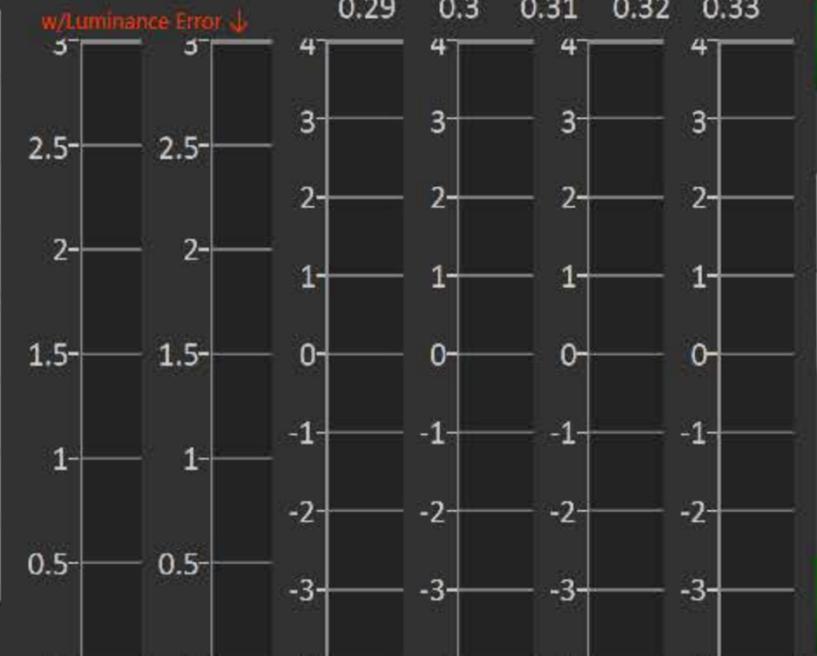
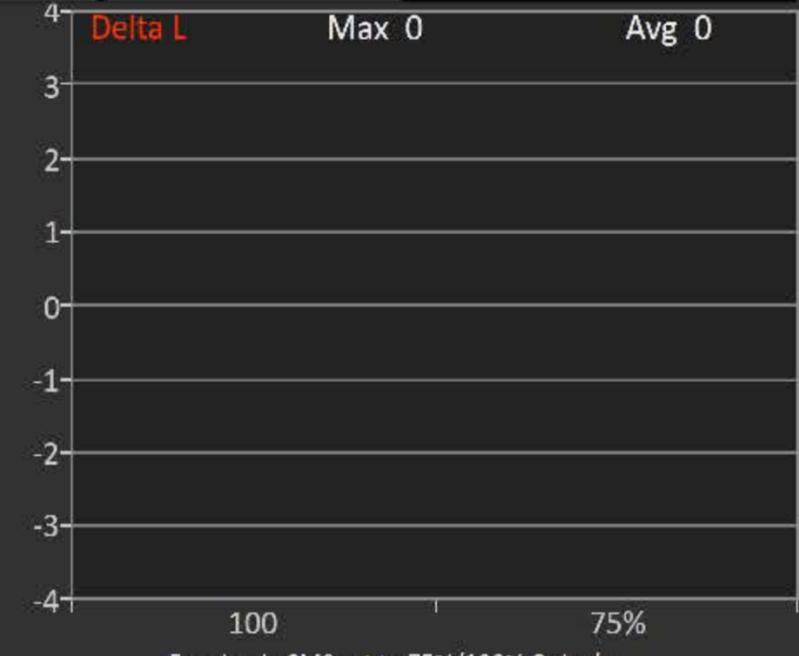
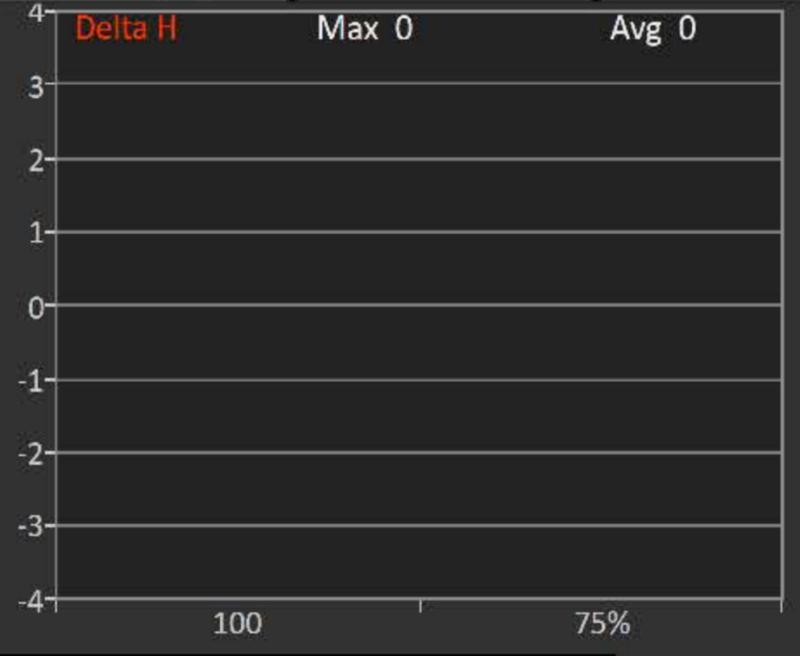
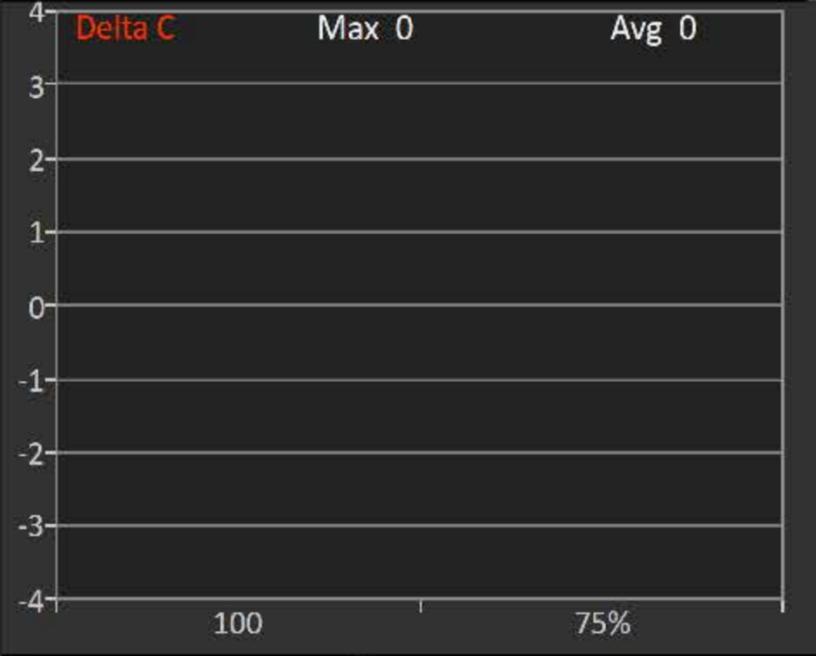
Delta C, H, L

Gamut Lum Abs

Gamut Lum Rel

RGB Balance

← Chart Mode



Display Slot

Config/CMS 0

For classic CMS set to 75%/100% Only ↓

Sweep Level

75% Only

CalMAN

→

Session Setup

Gray 2-Point

Gray MultiPnt

3D LUT

PostCal Reads

← Back

Next →

NAV

Compare Calibrtns

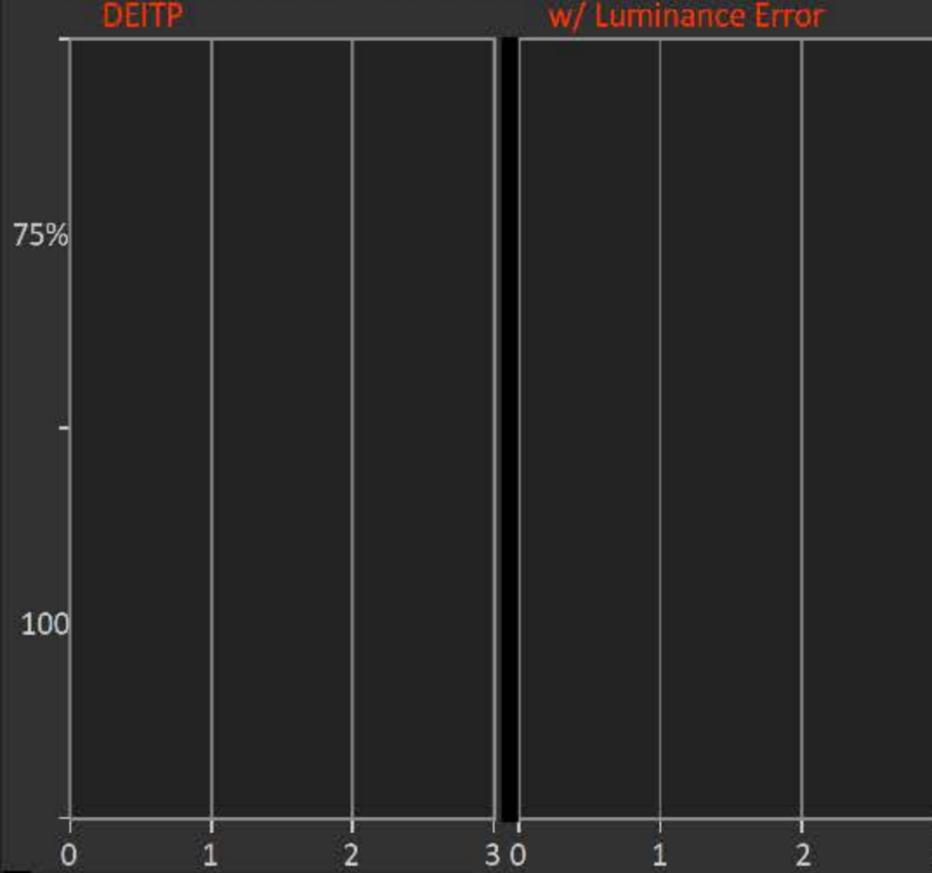
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Next →

Gamut Saturation Calibration

Datagrid



Summary

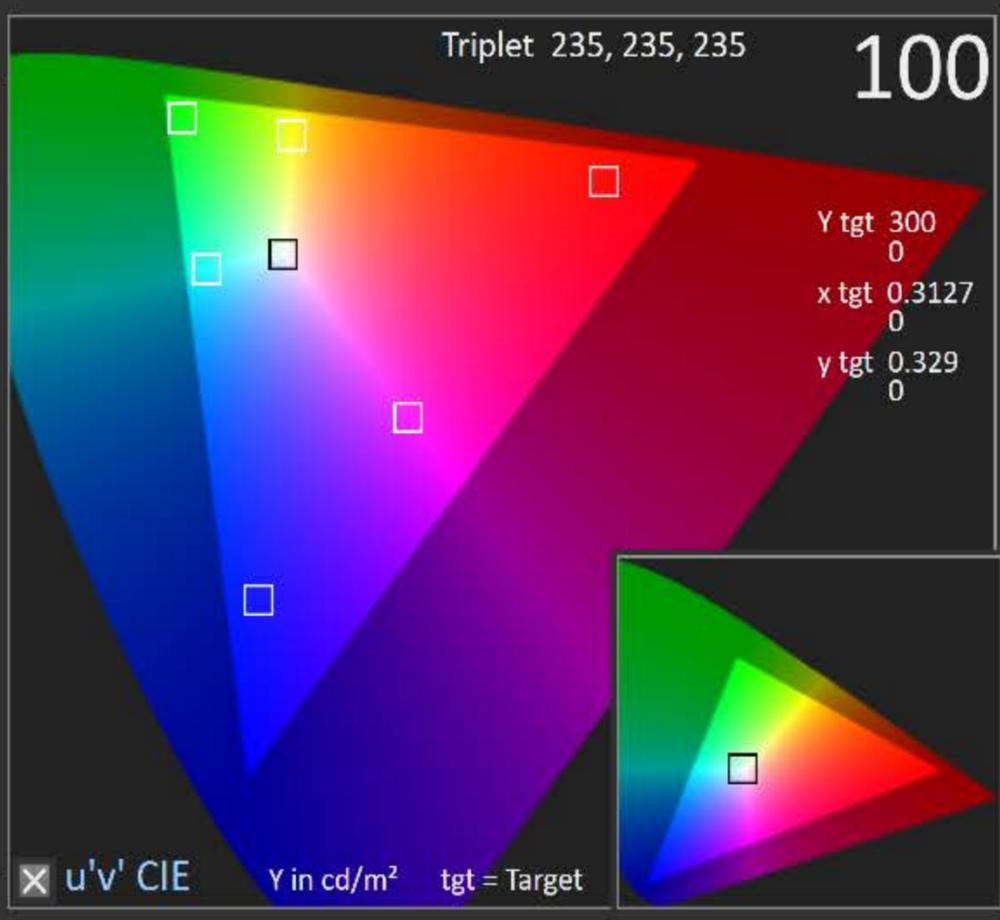
DEITP w/Lum Err ↓
 Avg 0 / 0
 Max 0 / 0

Delta L
 Avg 0
 Max 0

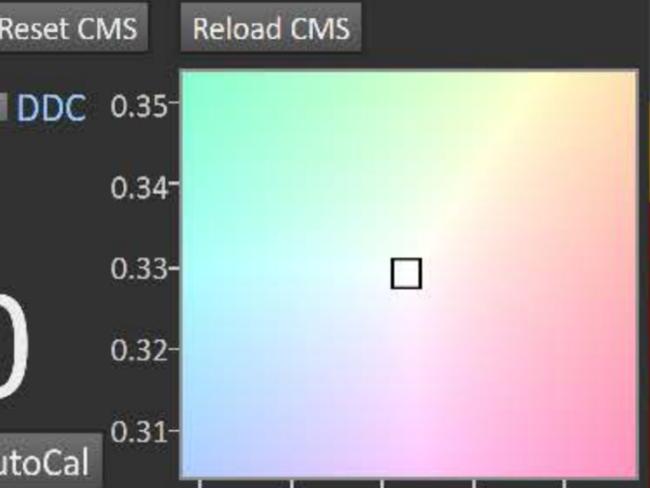
Delta H
 Avg 0
 Max 0

Delta C
 Avg 0
 Max 0

Black 0
 White 100

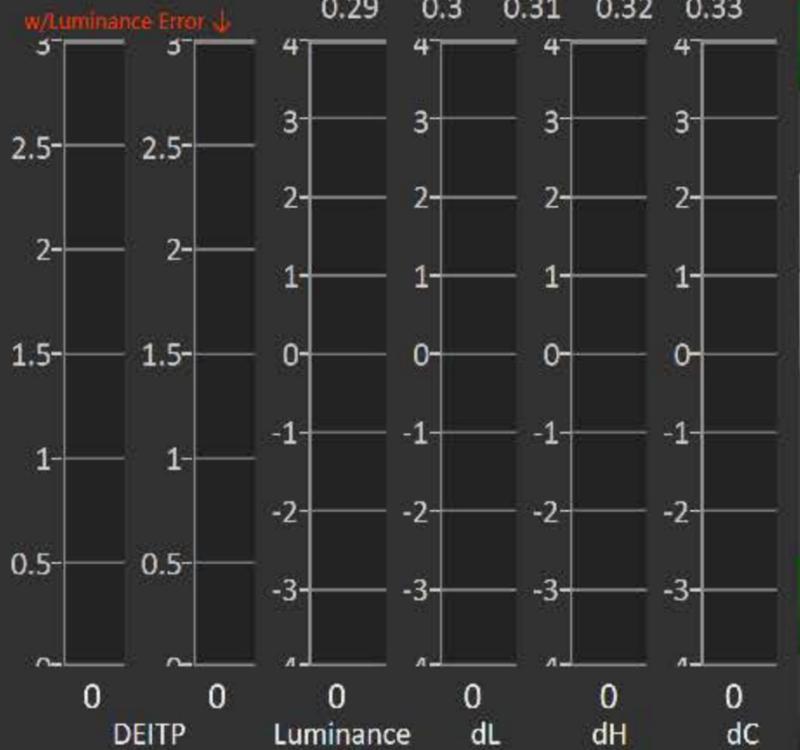


	Red	Green	Blue
Red	100	0	0
Green	0	100	0
Blue	0	0	100
Cyan	0	100	100
Magenta	100	0	100
Yellow	100	100	0



100
RGB Triplet 235, 235, 235
Target Y cd/m ² 300.0000
Y cd/m ² 0.0000
Target x:CIE31 0.3127
x: CIE31 0.0000
Target y:CIE31 0.3290
y: CIE31 0.0000
Target CCT 6503.4440
CCT 0.0000

Run AutoCal



For classic CMS set to 75%/100% Only ↓

Display Slot **Config/CMS 0** Sweep Level **75% Only**

Session Setup

Gray 2-Point

Gray MultiPnt

3D LUT

PostCal Reads

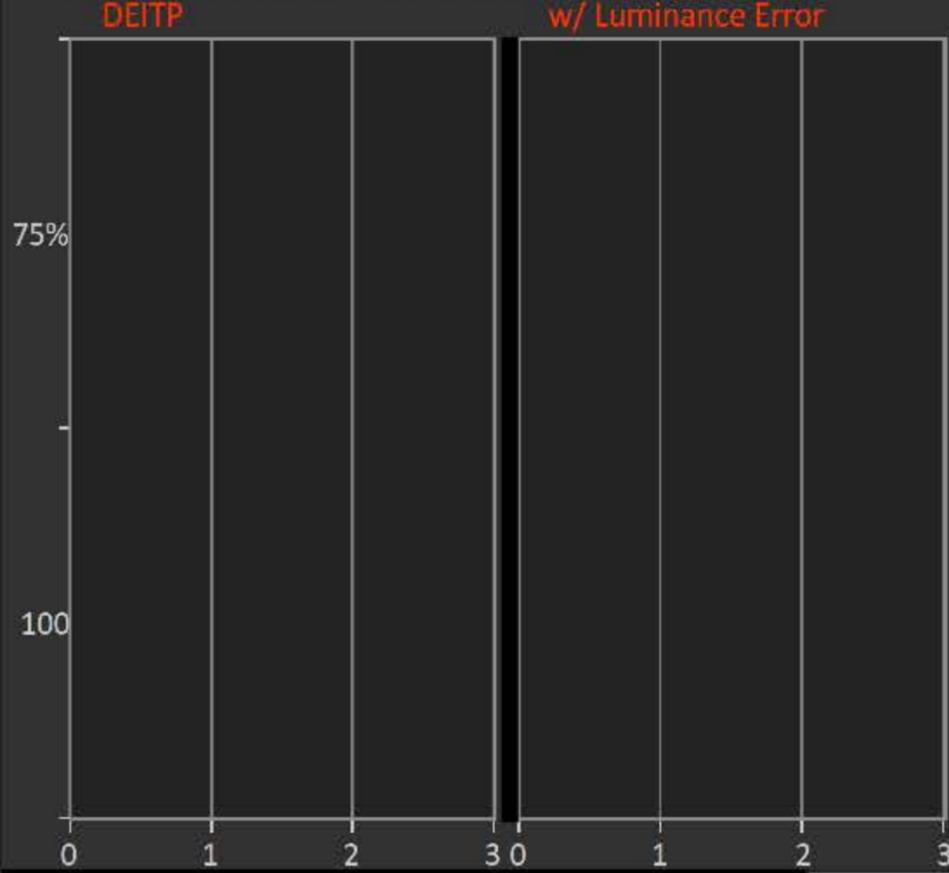
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Compare Calibrtns

NOTES

Gamut Saturation Calibration

Datagrid



Summary

DEITP w/Lum Err ↓

Avg 0 / 0

Max 0 / 0

Delta L

Avg 0

Max 0

Delta H

Avg 0

Max 0

Delta C

Avg 0

Max 0

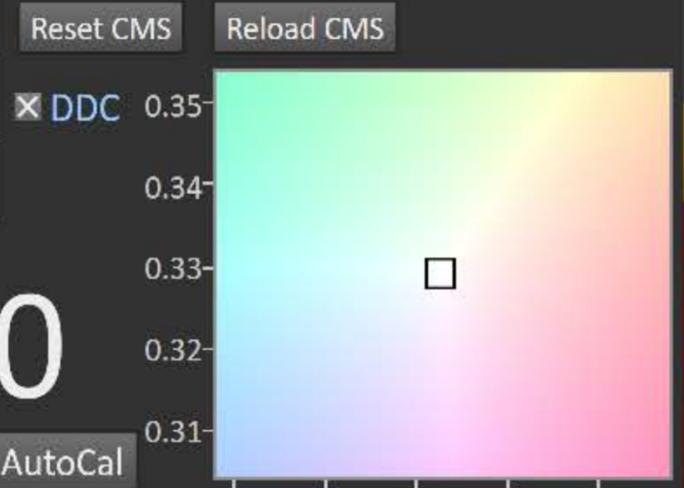
Black 0

White 100

Input - Brightness	0
Input - Contrast	0
Input - Color	0
Input - Tint	0
Input - Color Red	0
Input - Color Green	0
Input - Tint Red	0
Input - Tint Green	0
Output - Gamma Factor	1
100% White (Red)	100
100% White (Green)	100



	Red	Green	Blue
Red	100	0	0
Green	0	100	0
Blue	0	0	100
Cyan	0	100	100
Magenta	100	0	100
Yellow	100	100	0



Gamut Luminance Absolute

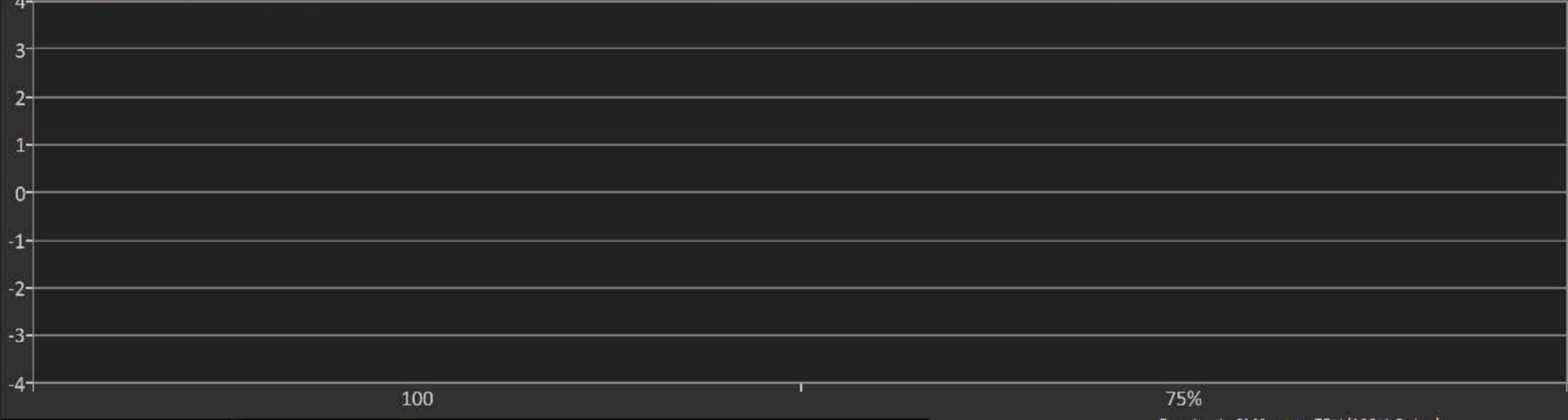
Delta C, H, L

Gamut Lum Abs

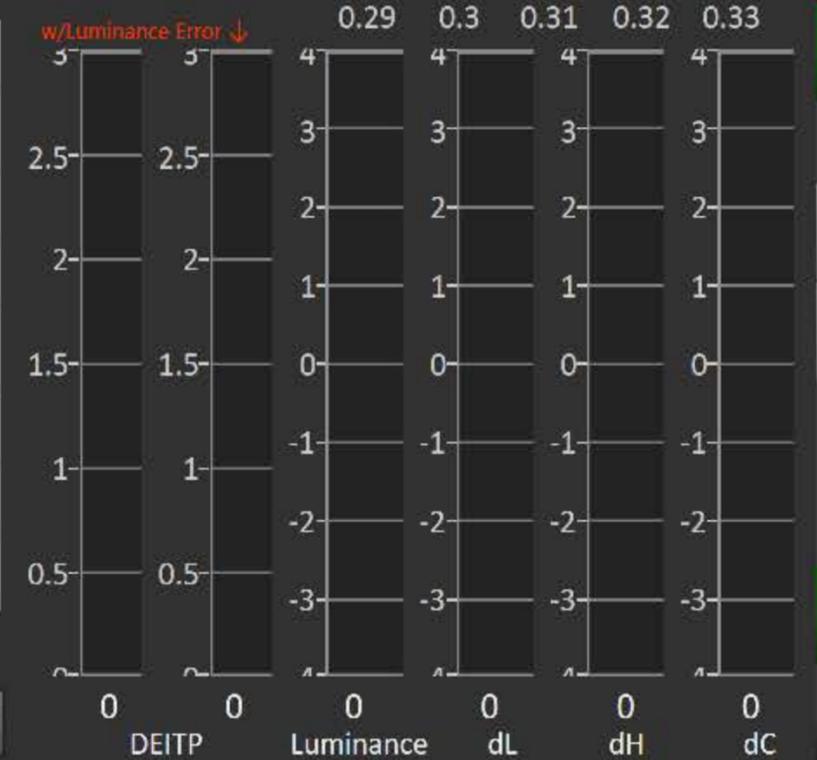
Gamut Lum Rel

RGB Balance

← Chart Mode



Run AutoCal



Display Slot

Config/CMS 0

Sweep Level

75% Only

For classic CMS set to 75%/100% Only ↓

Session Setup

Gray 2-Point

Gray MultiPnt

3D LUT

PostCal Reads

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Compare Calibrtns

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Go to Minimal 3D LUT Datagrid

Full 3D LUT Cal Charts Minimal 3D LUT Cal Charts

Summary

Delta C 0 Avg 0 Max

Delta H 0 Avg 0 Max

Delta L 0 Avg 0 Max

DEITP Avg 0 / 0 Max 0 / 0

w/Luminance Error

RGB Balance DEITP Triplet

16, 16, 16

Y 0 Tgt 0.0001

x 0 Tgt 0.31271

y 0 Tgt 0.32901

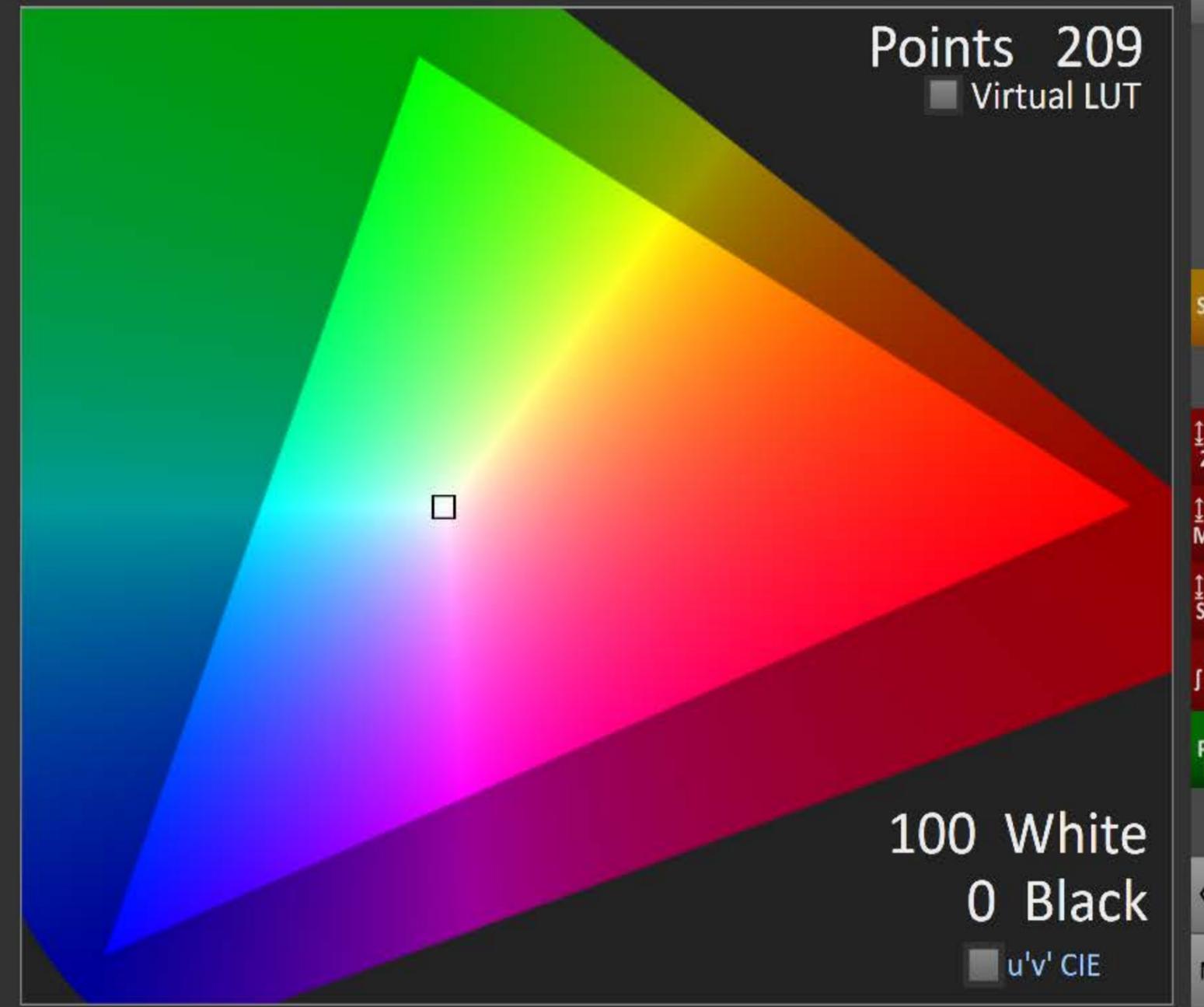
dC 0

dH 0

dL 0

dE 0 / 0

000



Color Bars

Big Comparator

Inner Data Points 17 Points (21XX Models)

Ramp Red Green Blue White

Luminance Level Points 17 Points per side, SMPTE (0-100)



Display Slot CMS 0

Selected LUT

Run AutoCal

Session Setup

Gray 2-Point

Gray MultiPnt

Gamut Saturatn

3D LUT Calibr Charts

PostCal Reads

Back

Next

Compare Calibrtns

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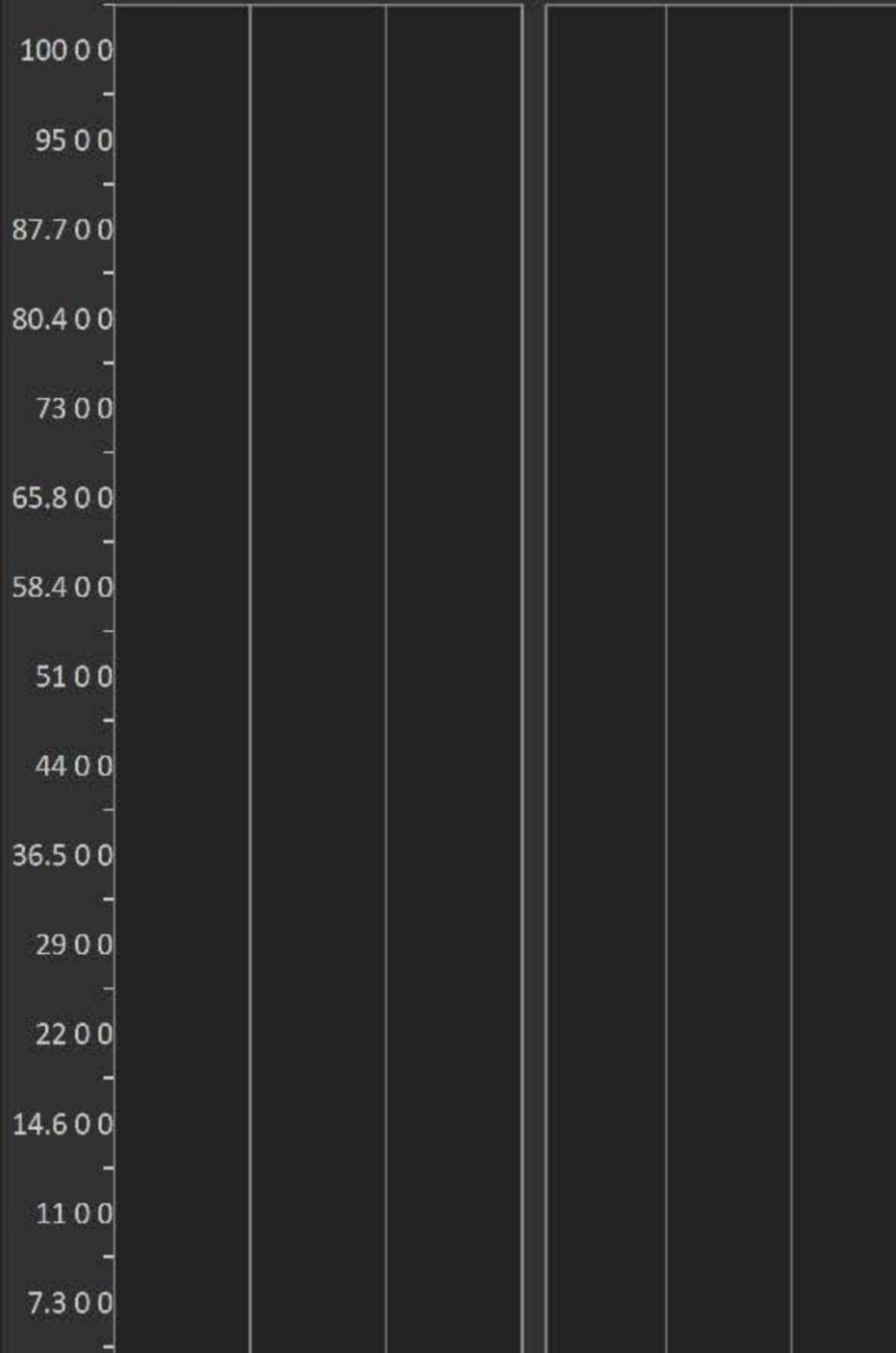
3D Color Cube LUT Calibration - Full

DEITP w/Luminance Error

Go to Minimal 3D LUT

Datagrid

Full 3D LUT Cal Charts Minimal 3D LUT Cal Charts



Summary

Delta C: 0 Avg, 0 Max

Delta H: 0 Avg, 0 Max

Delta L: 0 Avg, 0 Max

DEITP: Avg 0 / 0, Max 0 / 0

w/Luminance Error

RGB Balance

Triplet: 16, 16, 16

Y: 0, Tgt: 0.0001

x: 0, Tgt: 0.31271

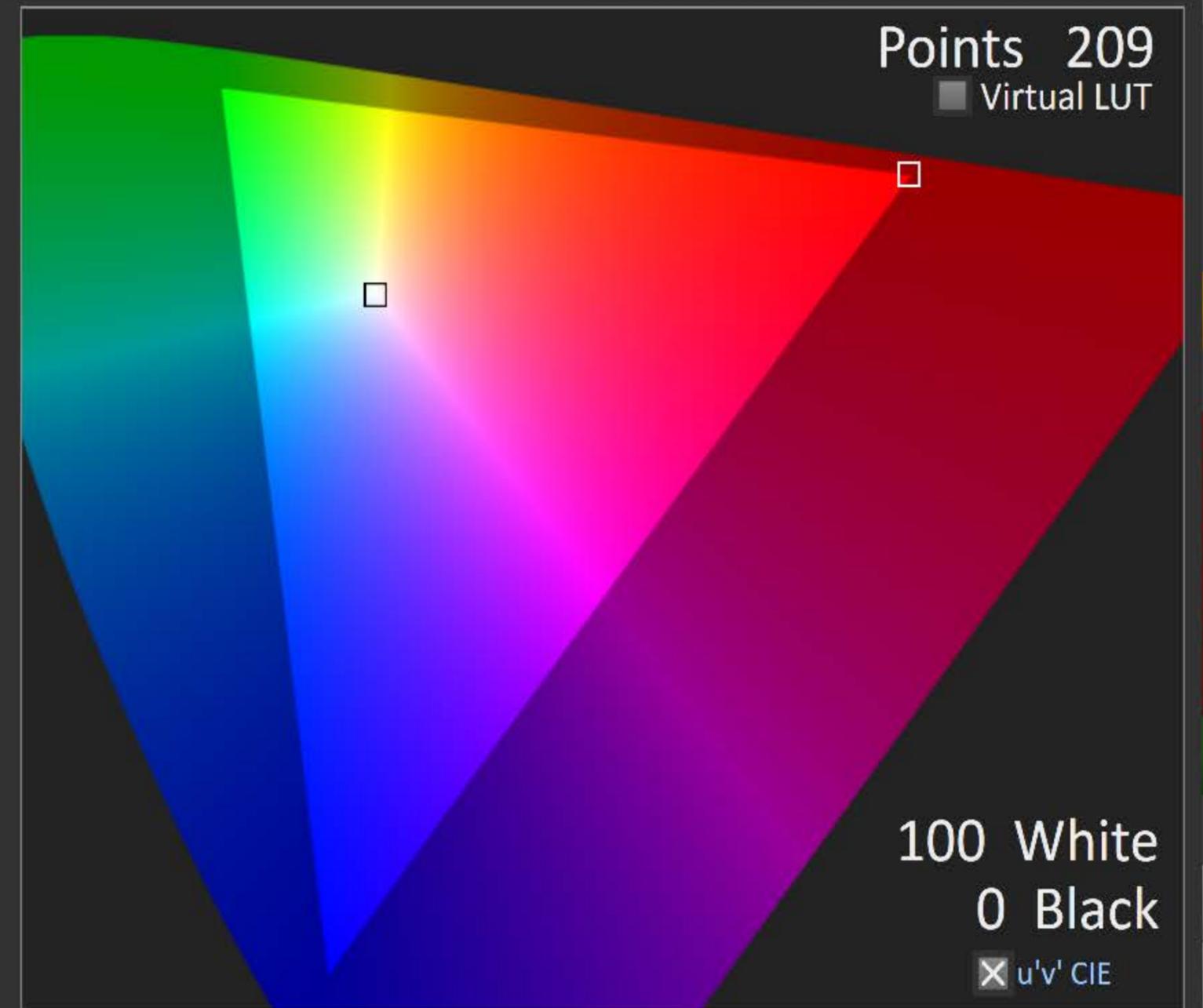
y: 0, Tgt: 0.32901

dC: 0, dH: 0, dL: 0

dE: 0 / 0

000

w/Lumin Err



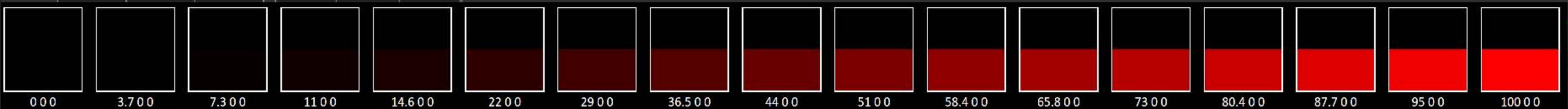
Color Bars

Inner Data Points: 17 Points (21XX Models)

Ramp: Red, Green, Blue, White

Big Comparator

Luminance Level Points



Session Setup

Gray 2-Point

Gray MultiPnt

Gamut Saturatn

3D LUT Calibr Charts

PostCal Reads

Back

Next

Compare Calibrtns

NOTES

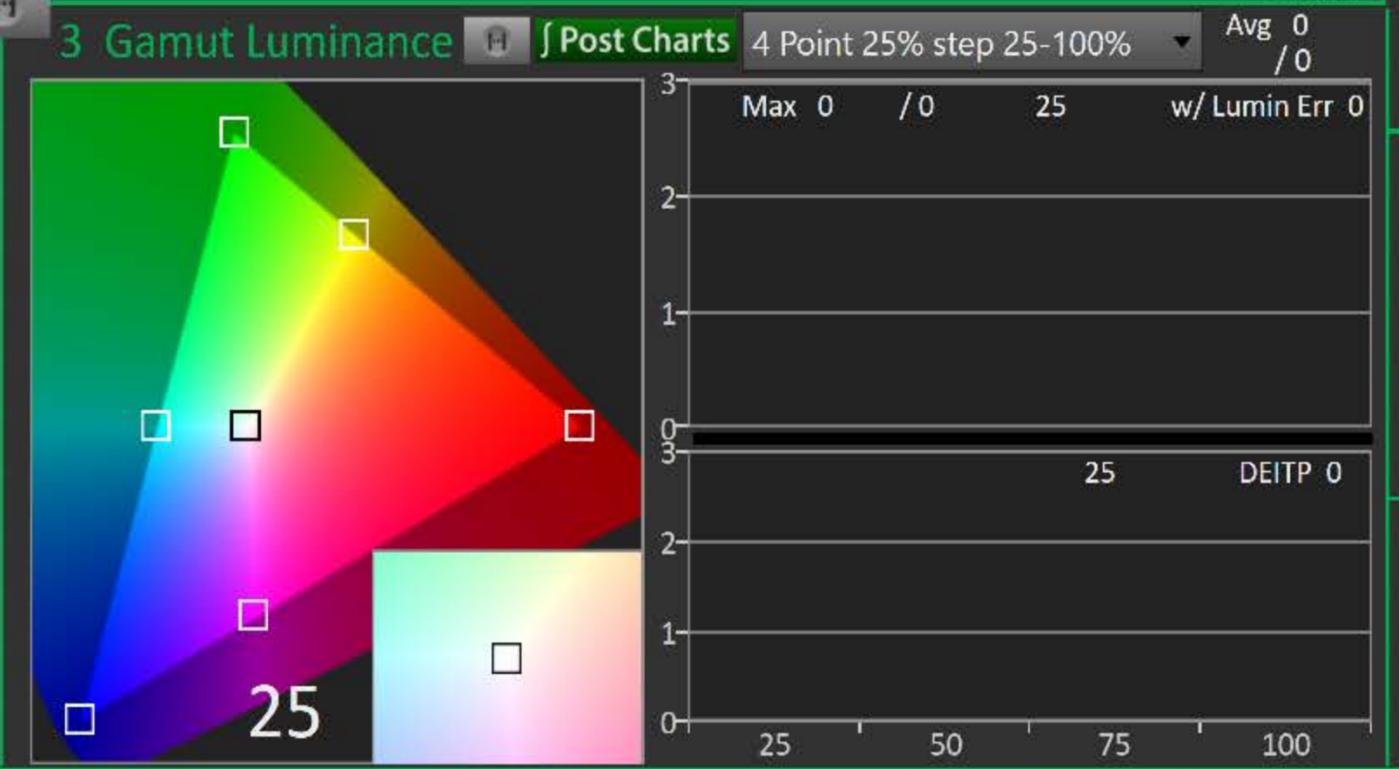
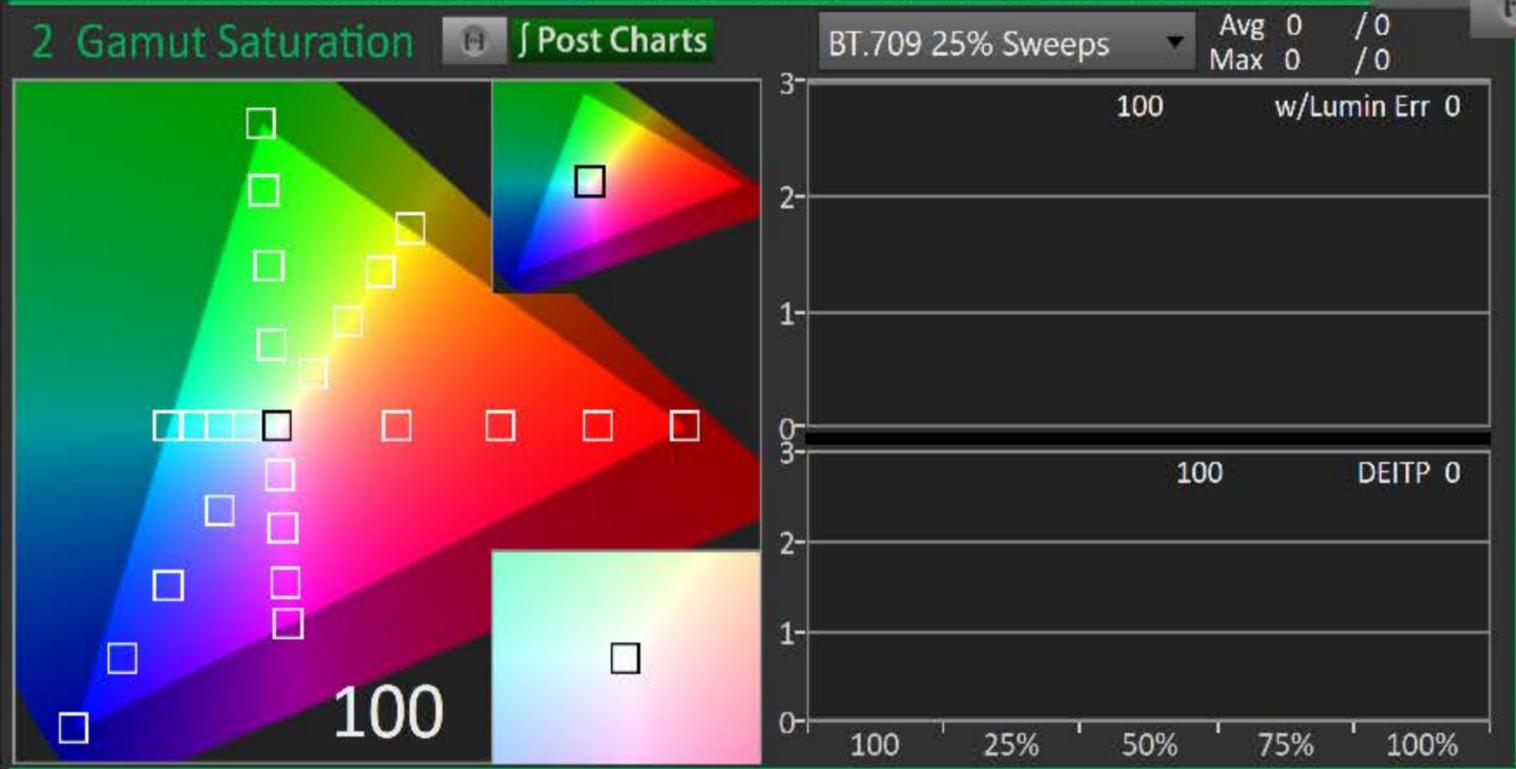
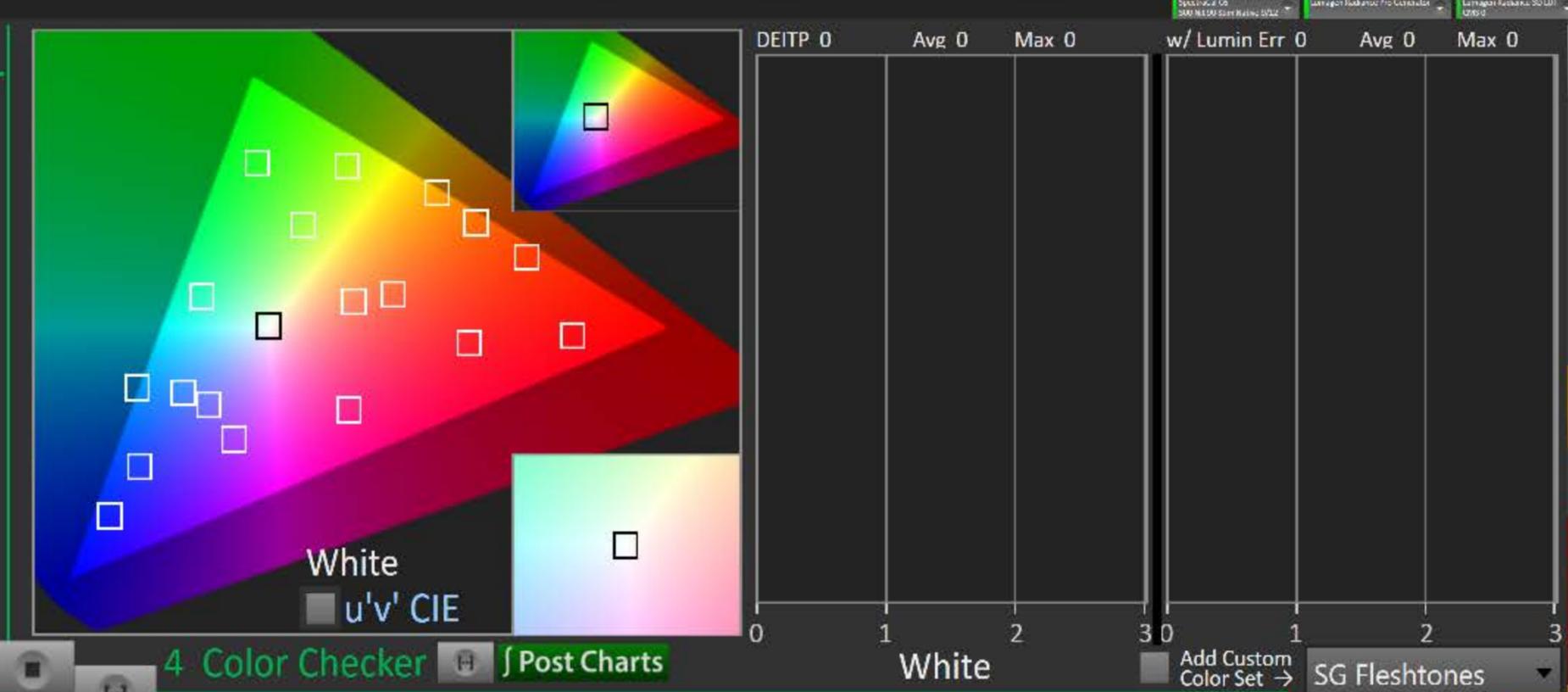
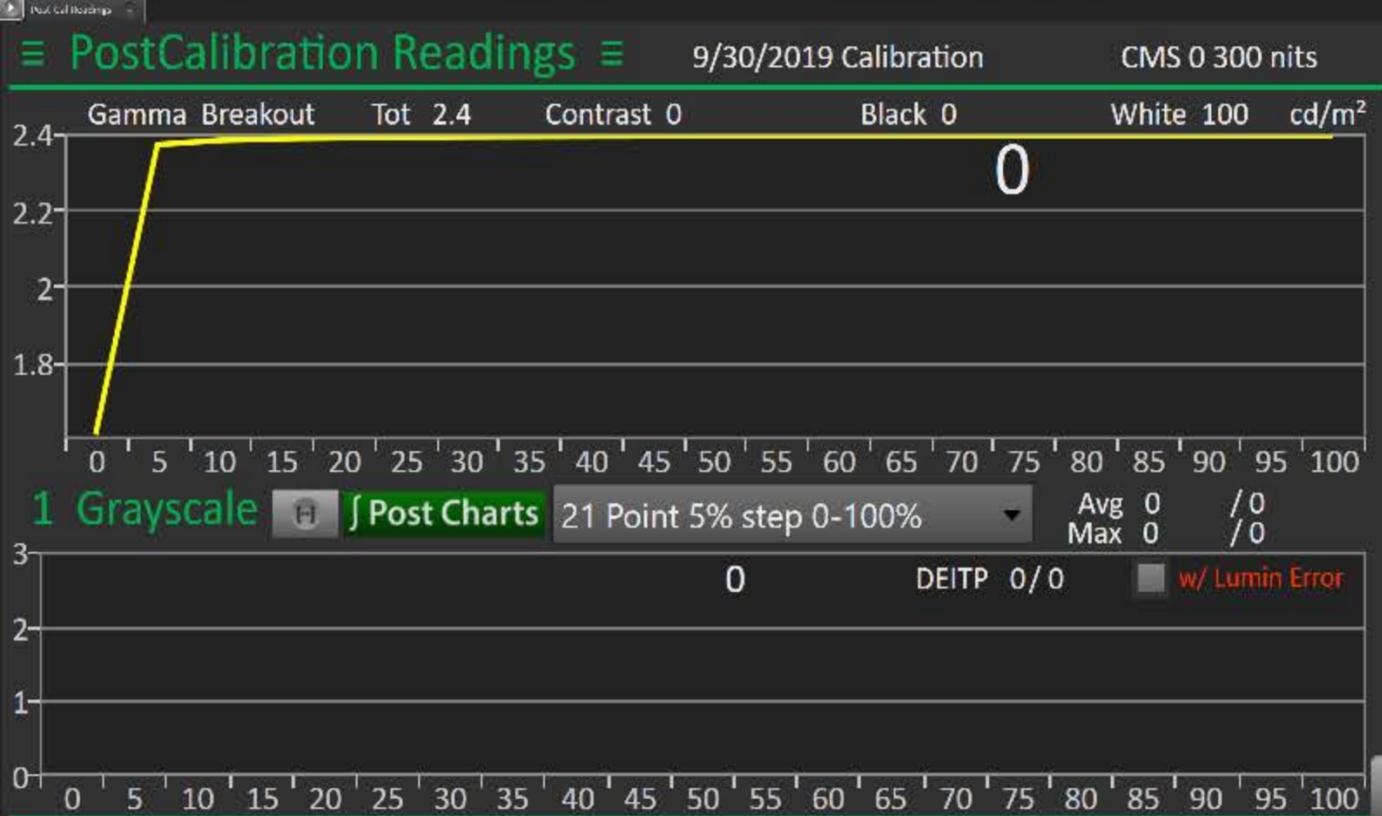
3D Color Cube LUT Calibration - Full

Go to Minimal 3D LUT **X Datagrid** Click grid to select it then click Configure to select data **Configure** **Full** **3D LUT Cal Charts** **Minimal** **3D LUT Cal Charts**

	0 0 0	3.7 0 0	7.3 0 0	11 0 0	14.6 0 0	22 0 0	29 0 0	36.5 0 0	44 0 0	51 0 0	58.4 0 0	65.8 0 0	73 0 0	80.4 0 0	87.7 0 0	95 0 0	100 0 0
RGB Triplet	16, 16, 16	24, 16, 16	32, 16, 16	40, 16, 16	48, 16, 16	64, 16, 16	80, 16, 16	96, 16, 16	112, 16, 16	128, 16, 16	144, 16, 16	160, 16, 16	176, 16, 16	192, 16, 16	208, 16, 16	224, 16, 16	235, 16, 16
Target Y cd/m ²	0.0001	0.0257	0.1271	0.3290	0.6490	1.6988	3.3699	5.7382	8.8686	12.8189	17.6409	23.3824	30.0878	37.7984	46.5532	56.3892	63.7969
Y cd/m ²	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Target x:CIE31	0.3127	0.6400	0.6400	0.6400	0.6400	0.6400	0.6400	0.6400	0.6400	0.6400	0.6400	0.6400	0.6400	0.6400	0.6400	0.6400	0.6400
x: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Target y:CIE31	0.3290	0.3300	0.3300	0.3300	0.3300	0.3300	0.3300	0.3300	0.3300	0.3300	0.3300	0.3300	0.3300	0.3300	0.3300	0.3300	0.3300
y: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Color calibration bar with labels: 000, 3.700, 7.300, 11.000, 14.600, 22.000, 29.000, 36.500, 44.000, 51.000, 58.400, 65.800, 73.000, 80.400, 87.700, 95.000, 100.000

Navigation sidebar with buttons: Session Setup, Gray 2-Point, Gray MultiPnt, Gamut Saturatn, 3D LUT Calibr Charts, PostCal Reads, Back, Next, Compare Calibrtns, NOTES



Select Colors X

Comparator

Populate CMS for HT report

LUT Calibration

Points 209
Avg DEITP 0
Max DEITP 0

Display Slot CMS 0

Contrast [] TV Gamma []

Brightness [] Color [] Gain [] [] []

Backlight [] Setup Values Tint [] Cut/Offset [] [] []

Clear PostCal Data

Use big [] in mid-screen or below right to read all series, or select one from the individual series above

DEITP vs. dE 2000

Compare Calibrations

NOTES

Session Setup

Gray 2-Point

Gray MultiPnt

PreCal Reads

Gamut Saturatn

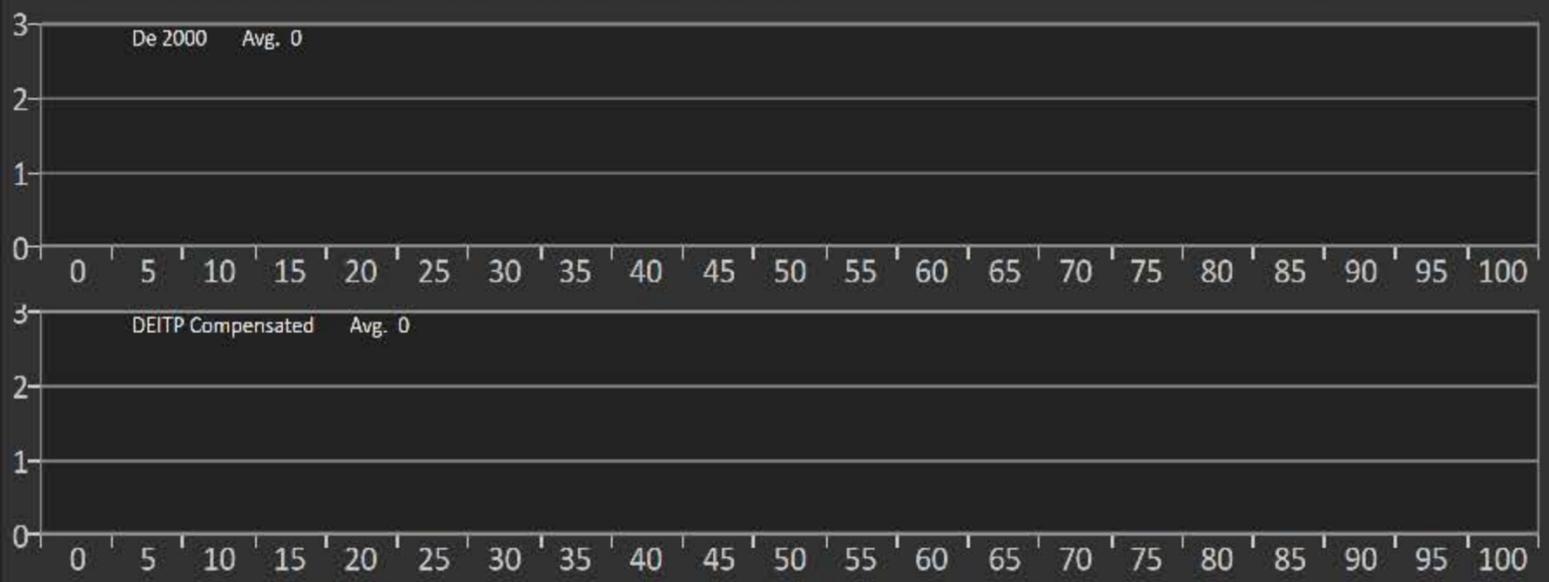
3D LUT

Final Check

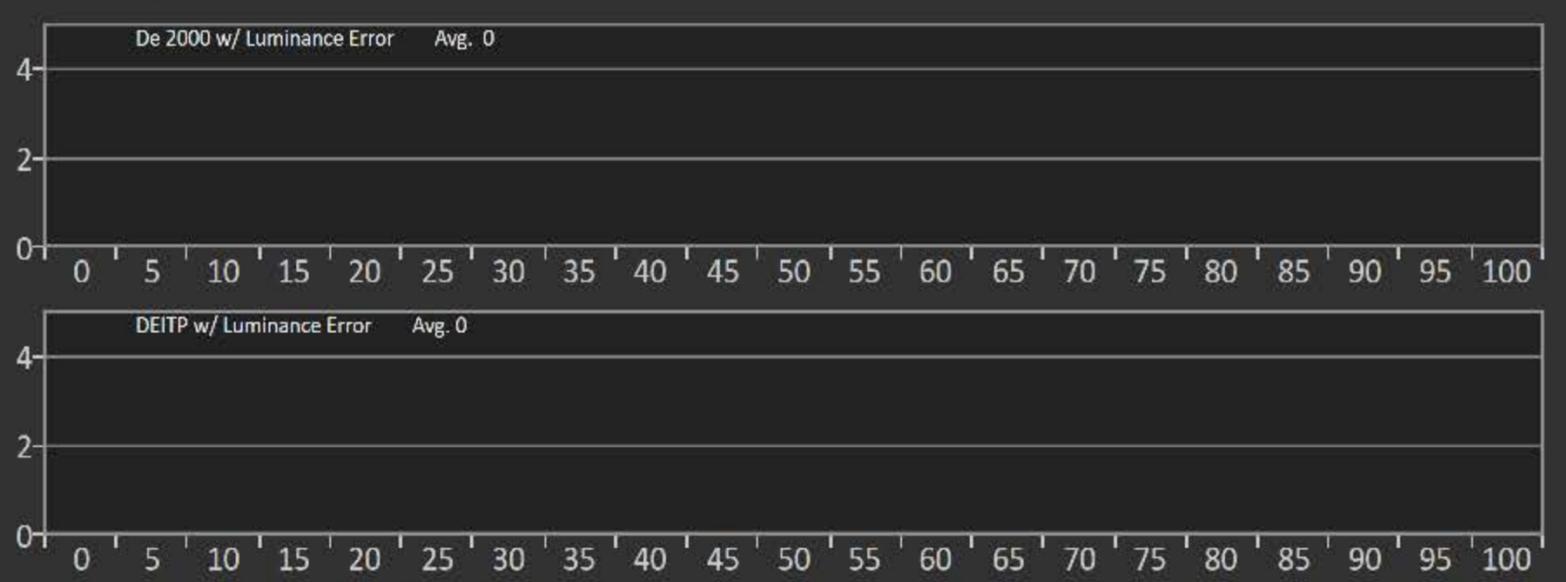
NAV

DEITP vs. De 2000 - From PostCal

Use New Readings



Slot: CMS 0 9/30/2019 Calibration



	DEITP Compensated Avg. 0						De 2000 Avg. 0							
Cyan	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Magenta	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Yellow	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Red	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Green	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Blue	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Orange Yellow	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Yellow Green	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Purple	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Moderate Red	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Purplish Blue	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Orange	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Bluish Green	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Blue Flower	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Foliage	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Blue Sky	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Light Skin	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Dark Skin	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Gray 35	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Gray 50	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Gray 65	0	1	2	3	4	5	6	0	1	2	3	4	5	6
Gray 80	0	1	2	3	4	5	6	0	1	2	3	4	5	6
White	0	1	2	3	4	5	6	0	1	2	3	4	5	6

	DEITP w/ Luminance Error Avg. 0					De 2000 w/ Luminance Error Avg. 0						
Cyan	0	2	4	6	8	10	0	2	4	6	8	10
Magenta	0	2	4	6	8	10	0	2	4	6	8	10
Yellow	0	2	4	6	8	10	0	2	4	6	8	10
Red	0	2	4	6	8	10	0	2	4	6	8	10
Green	0	2	4	6	8	10	0	2	4	6	8	10
Blue	0	2	4	6	8	10	0	2	4	6	8	10
Orange Yellow	0	2	4	6	8	10	0	2	4	6	8	10
Yellow Green	0	2	4	6	8	10	0	2	4	6	8	10
Purple	0	2	4	6	8	10	0	2	4	6	8	10
Moderate Red	0	2	4	6	8	10	0	2	4	6	8	10
Purplish Blue	0	2	4	6	8	10	0	2	4	6	8	10
Orange	0	2	4	6	8	10	0	2	4	6	8	10
Bluish Green	0	2	4	6	8	10	0	2	4	6	8	10
Blue Flower	0	2	4	6	8	10	0	2	4	6	8	10
Foliage	0	2	4	6	8	10	0	2	4	6	8	10
Blue Sky	0	2	4	6	8	10	0	2	4	6	8	10
Light Skin	0	2	4	6	8	10	0	2	4	6	8	10
Dark Skin	0	2	4	6	8	10	0	2	4	6	8	10
Gray 35	0	2	4	6	8	10	0	2	4	6	8	10
Gray 50	0	2	4	6	8	10	0	2	4	6	8	10
Gray 65	0	2	4	6	8	10	0	2	4	6	8	10
Gray 80	0	2	4	6	8	10	0	2	4	6	8	10
White	0	2	4	6	8	10	0	2	4	6	8	10

PostCal Reads

NOTES

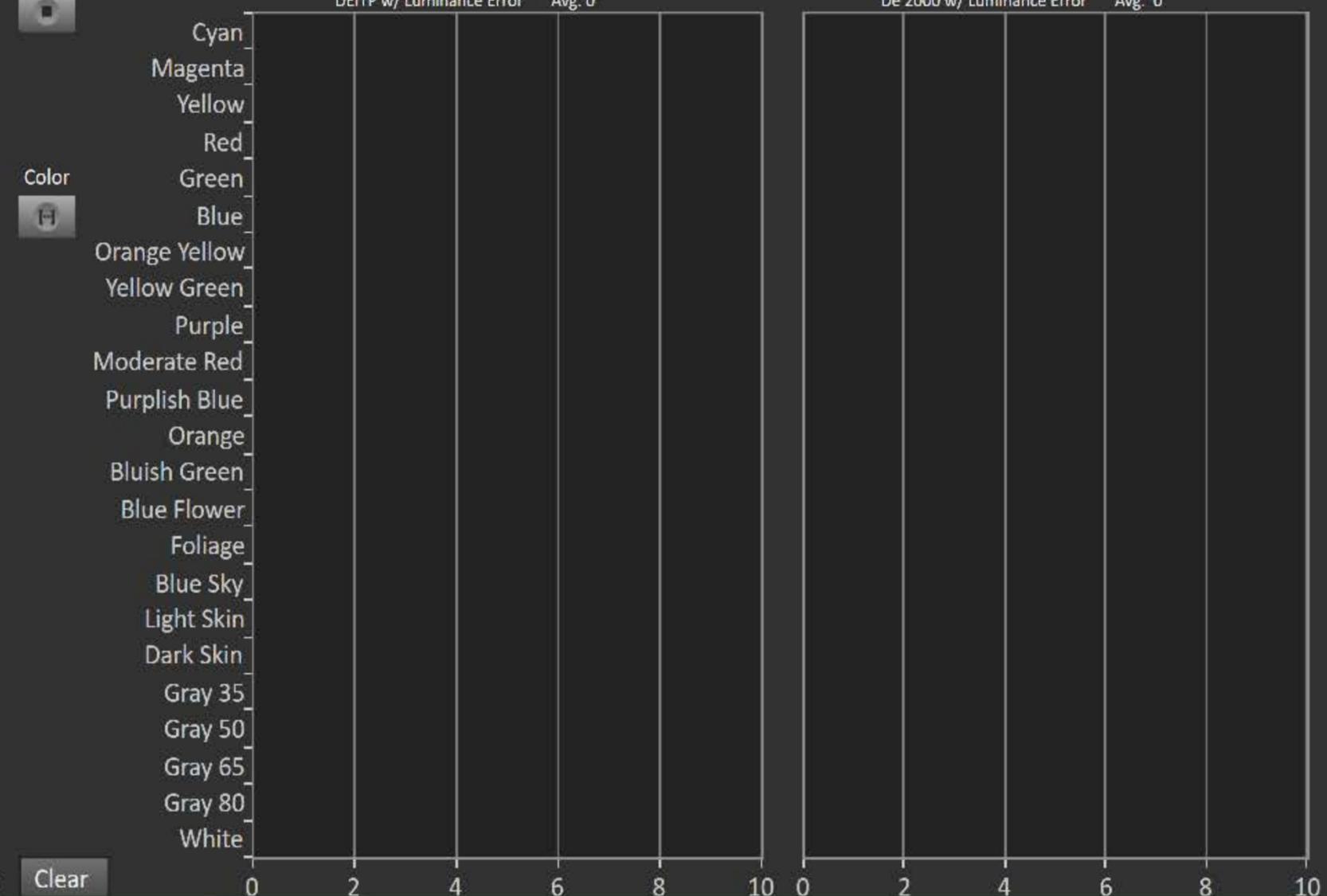
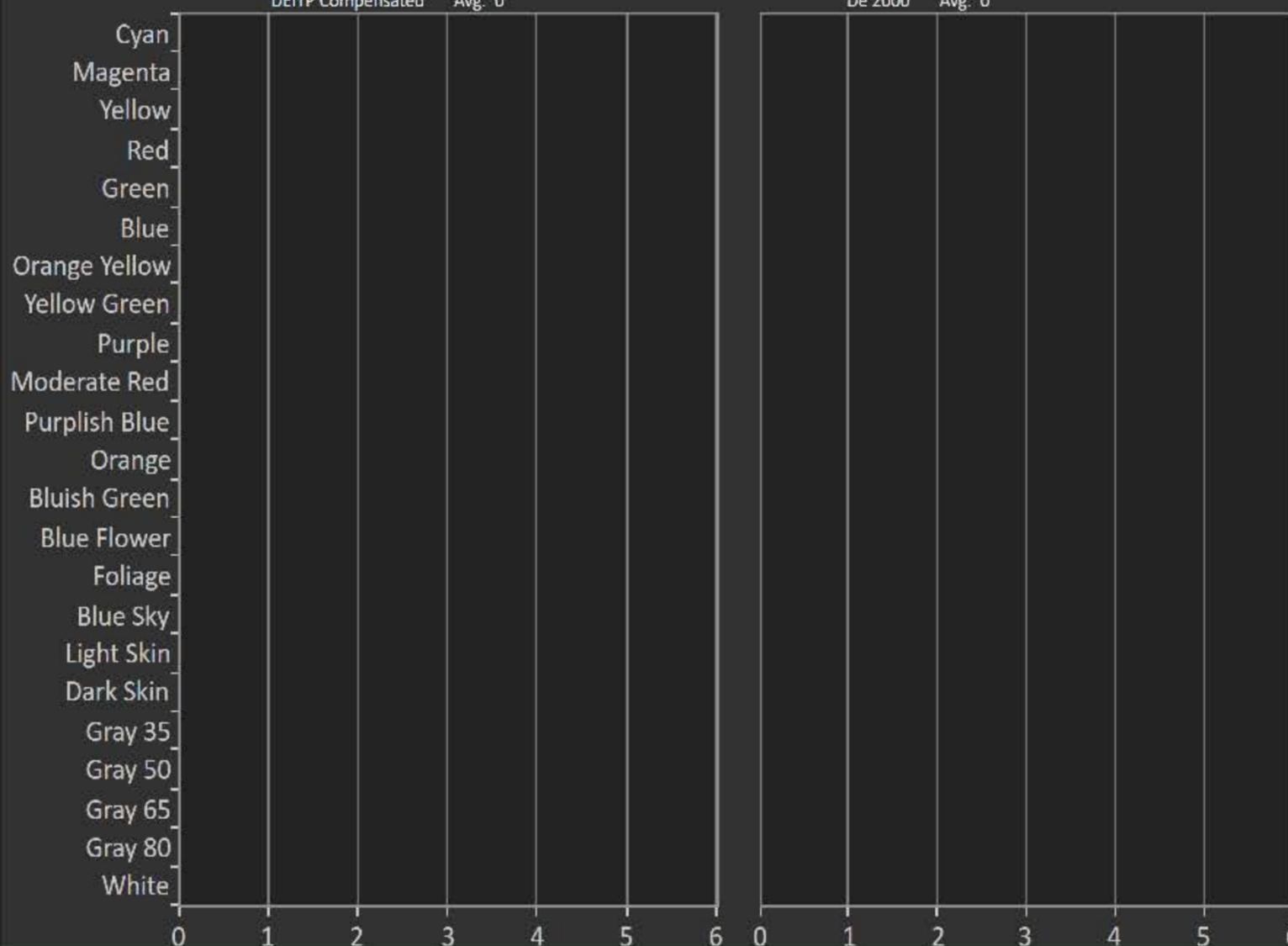
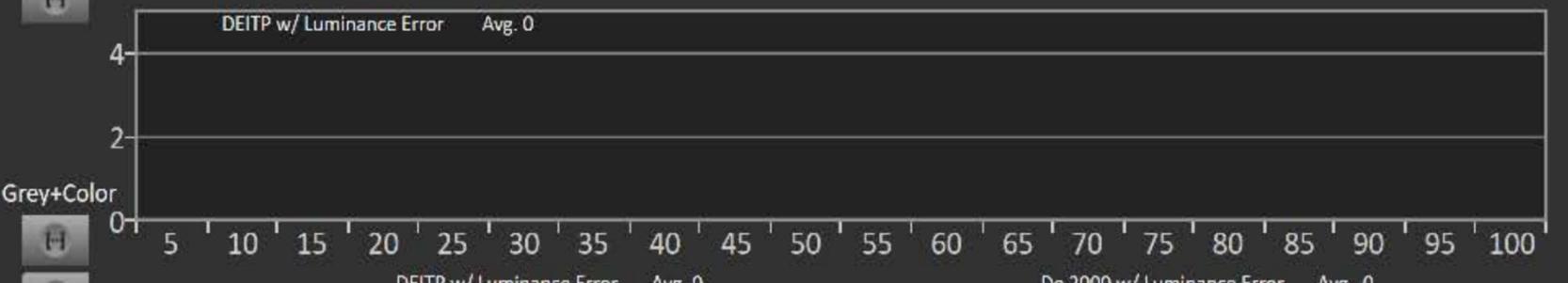
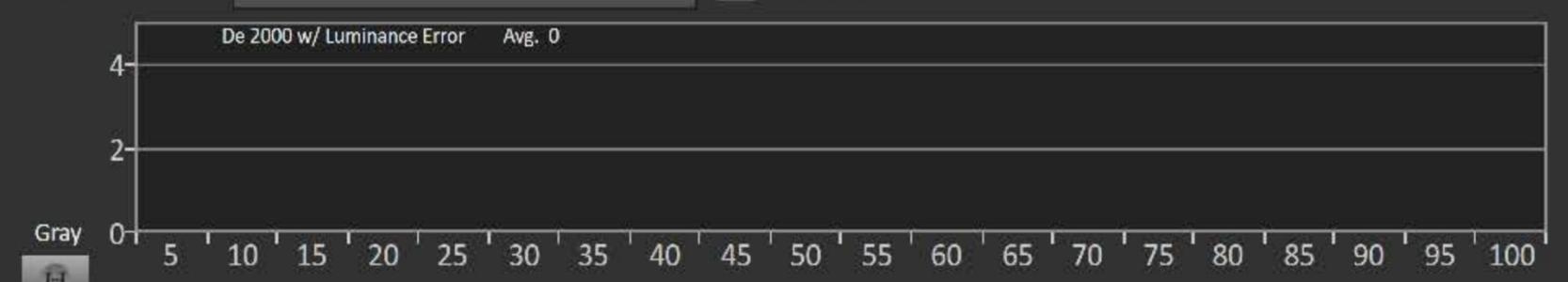
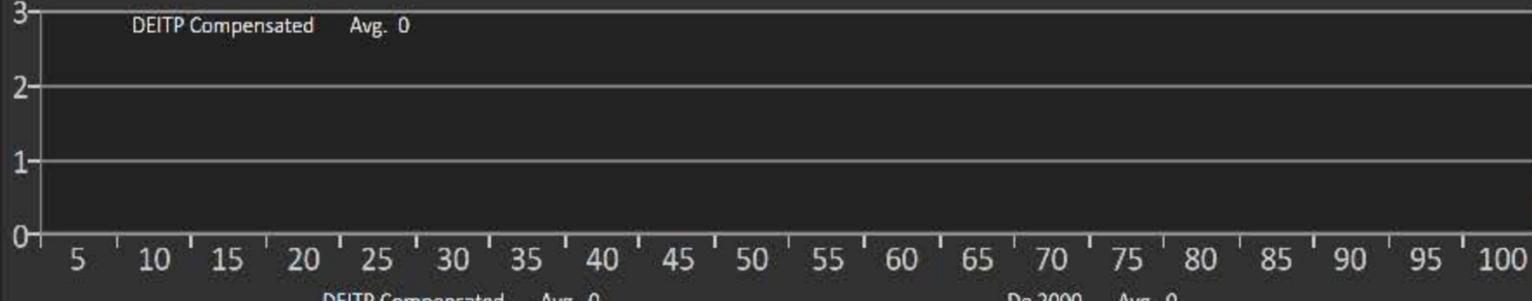
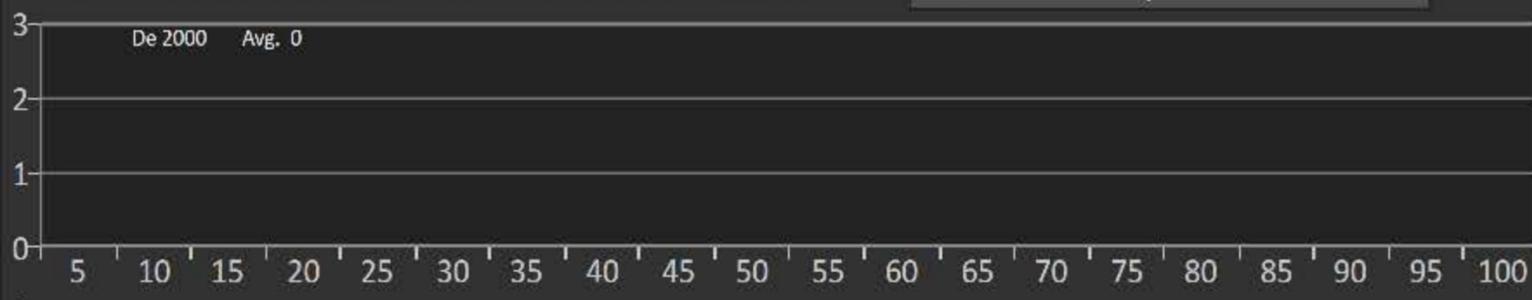
DEITP vs. De 2000 - New Readings

20 Point 5% Step 5-100%

Show PostCal Readings

SG Fleshtones

Additional Colors



Gray

Grey+Color

Color

Clear

PostCal Reads

PostCal Reads

NOTES

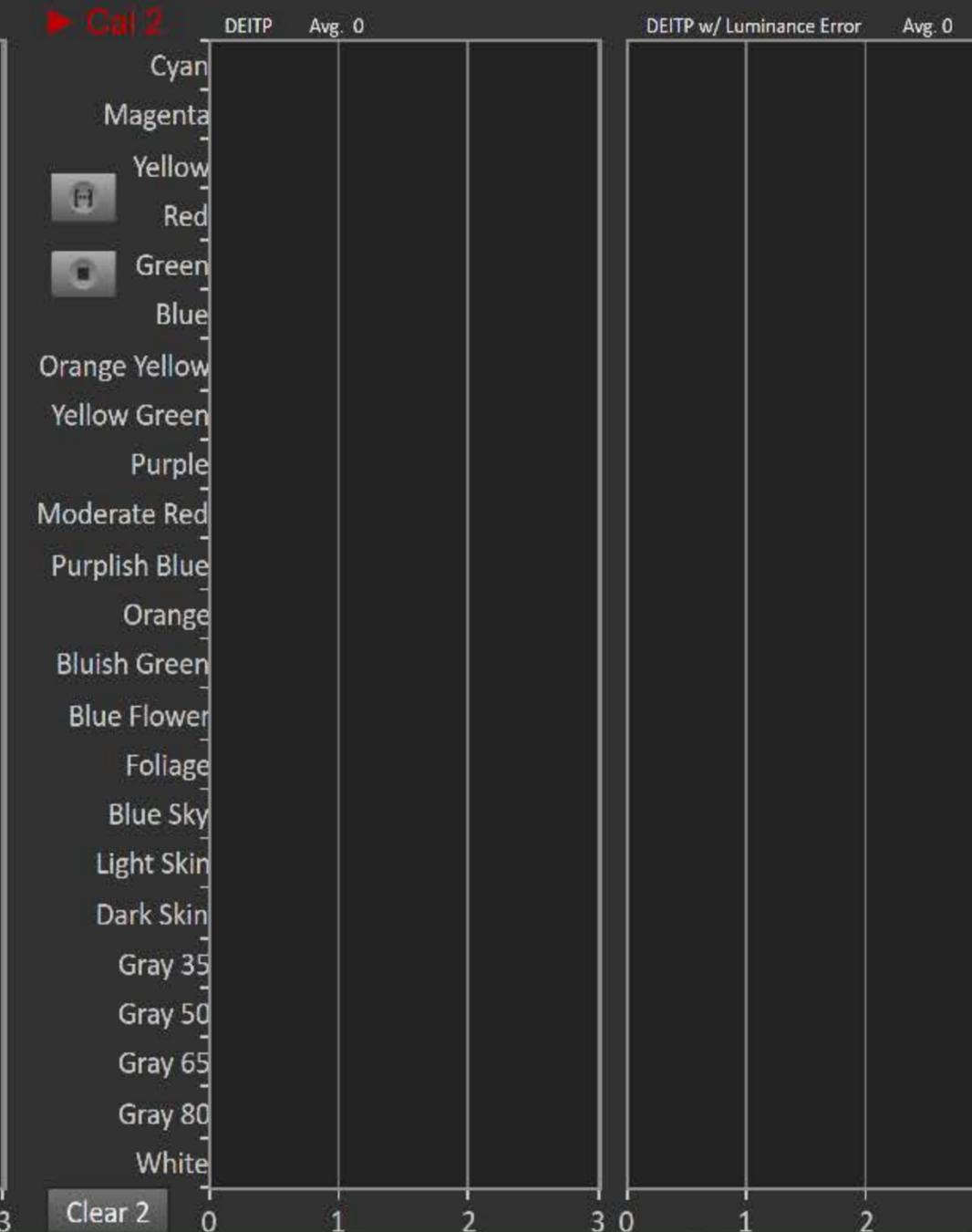
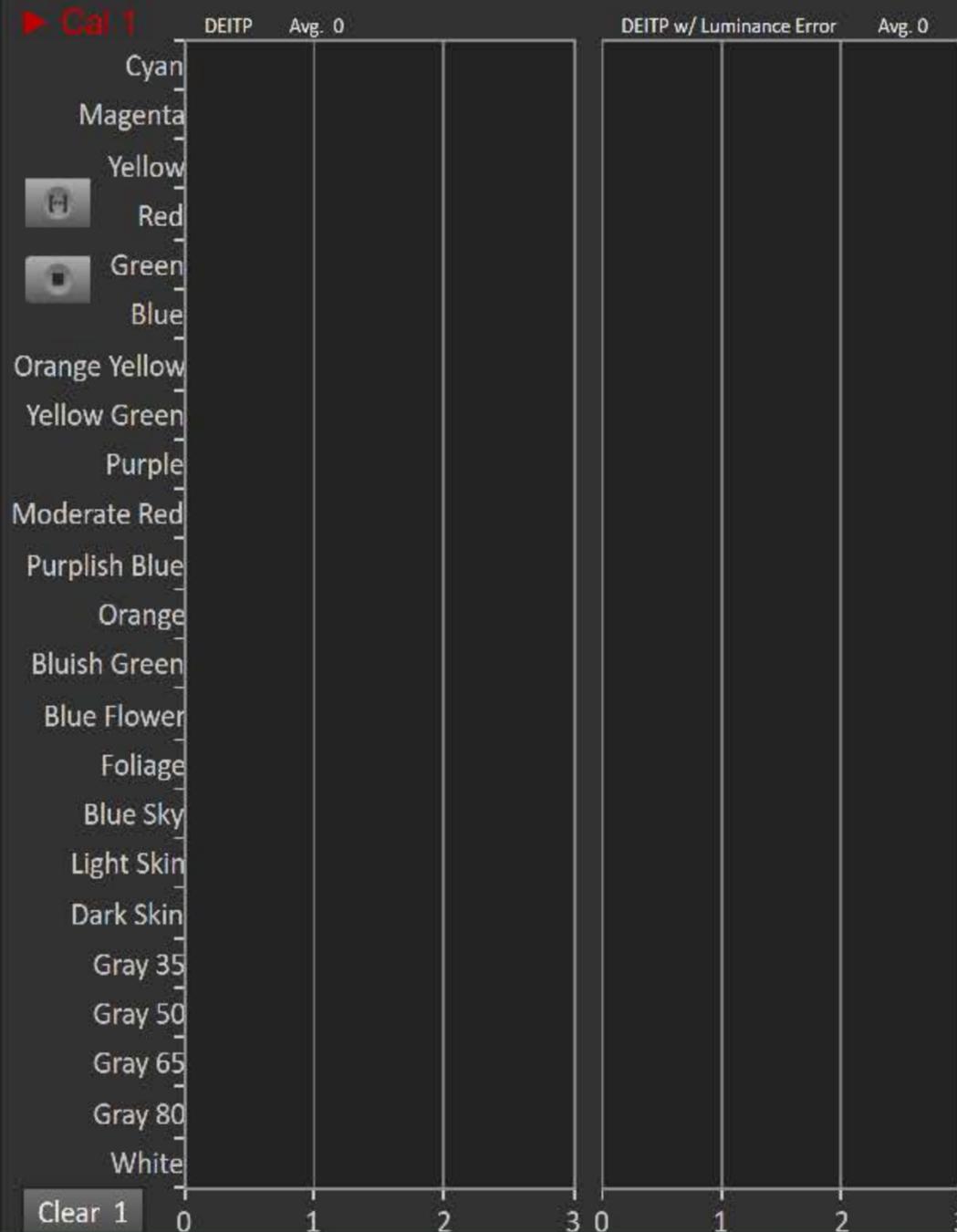
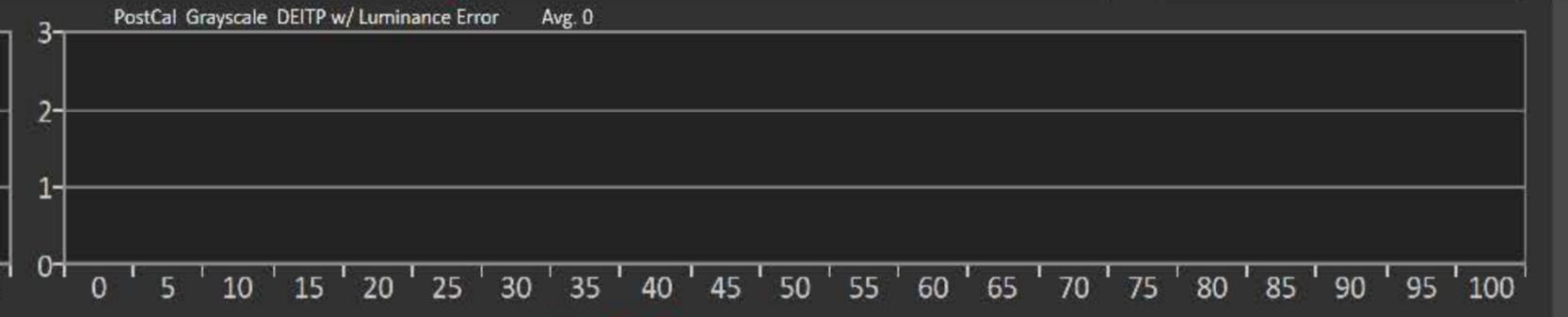
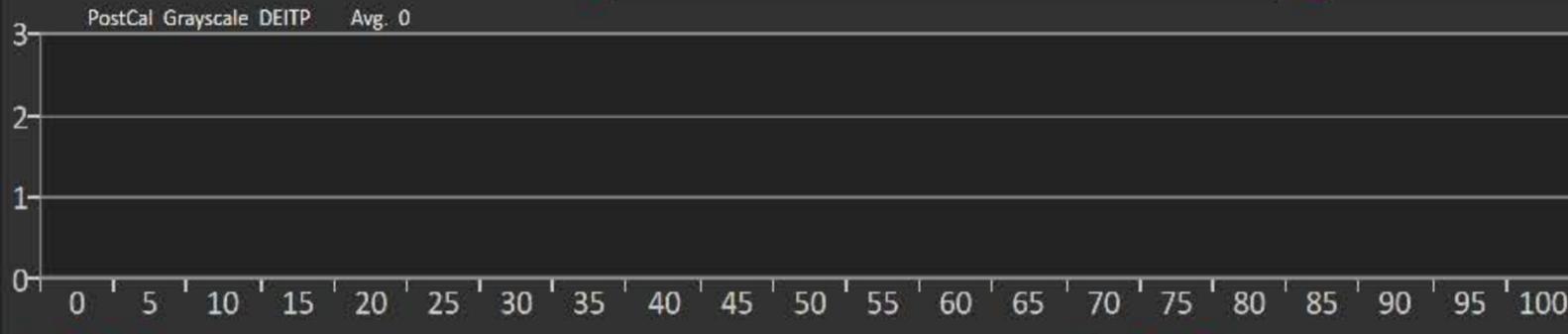
Compare Calibrations

Cal 1 Notes
75/85 1 24

Cal 2 Notes
75/85 0 24

Cal 3 Notes

Slot to Read
CMS 0



CalMAN 2019

Session Setup

Gray MultiPnt

Gamut Saturatn

3D LUT

PostCal Reads

PostCal Reads

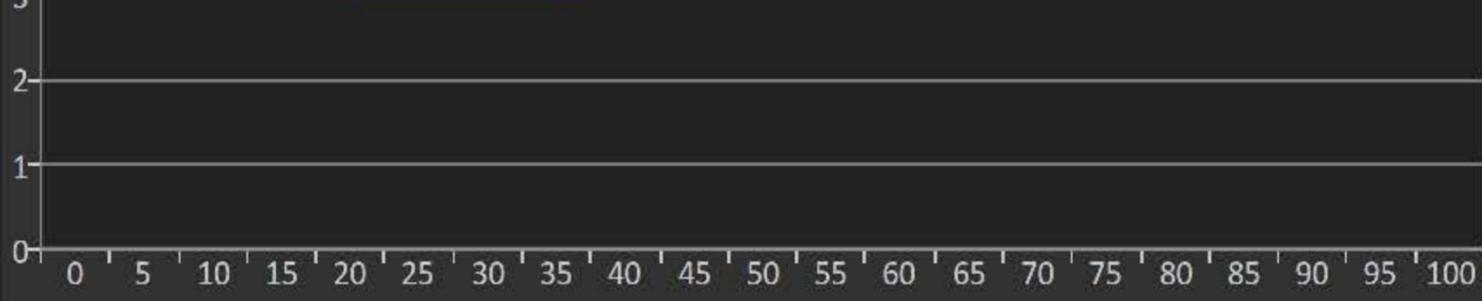
NOTES

PreCal Multipoint Grayscale Detail

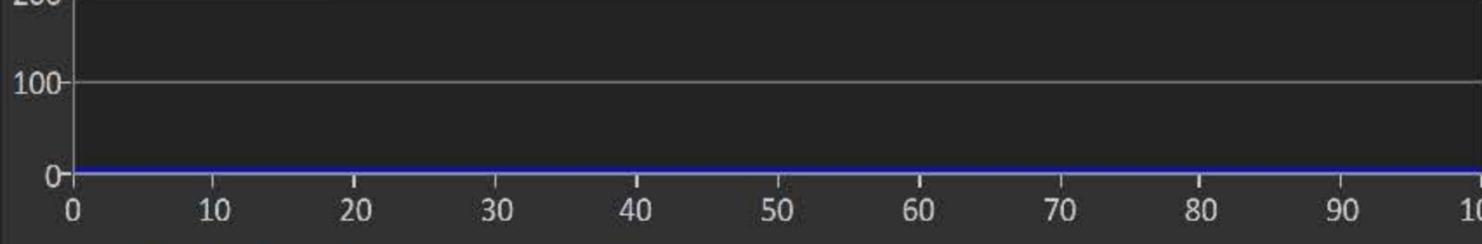
DEITP w/ Luminance Error Contrast 0 dE 0 0 Avg 0 Max



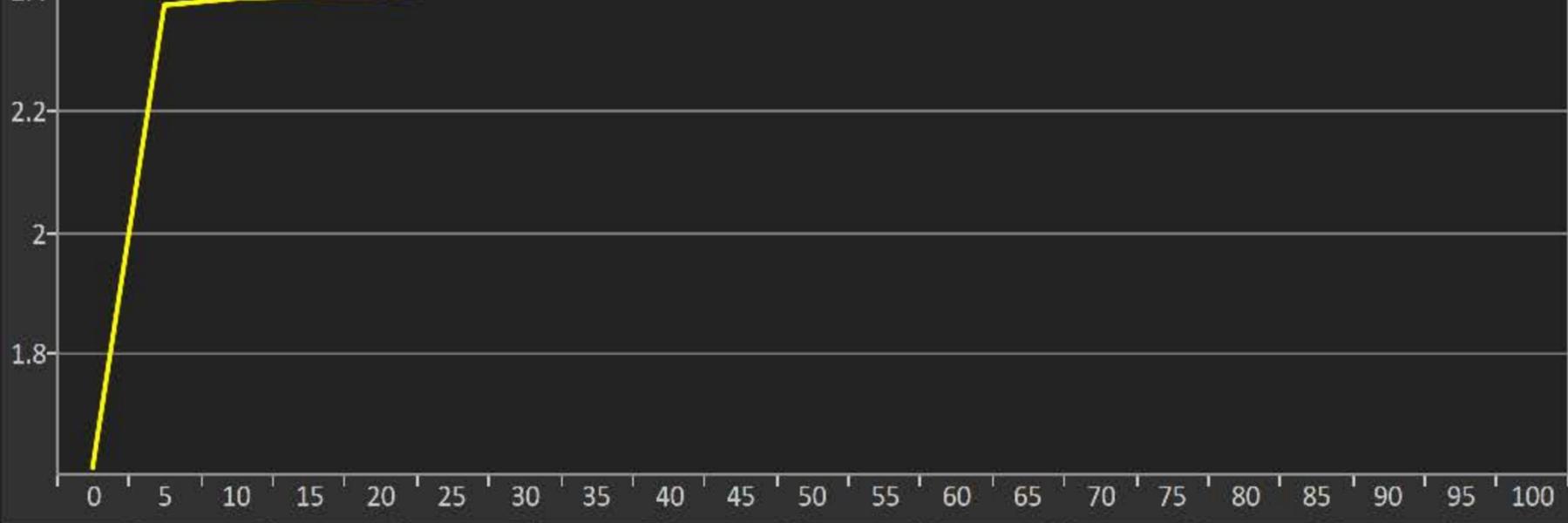
DEITP PreCal Reads dE 0 0 Avg 0 Max



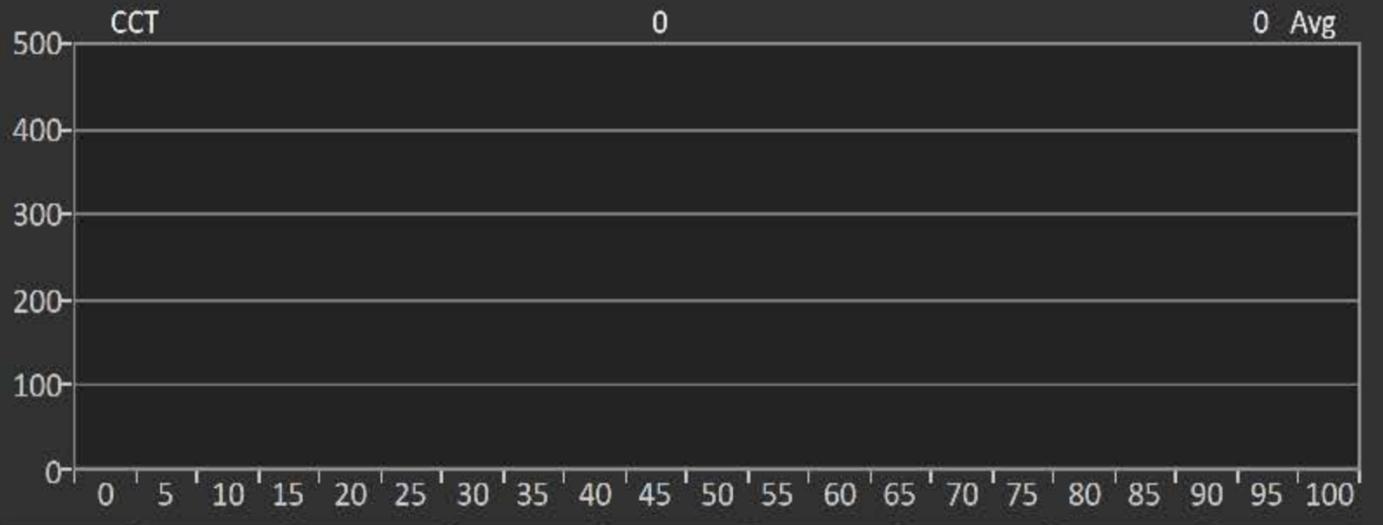
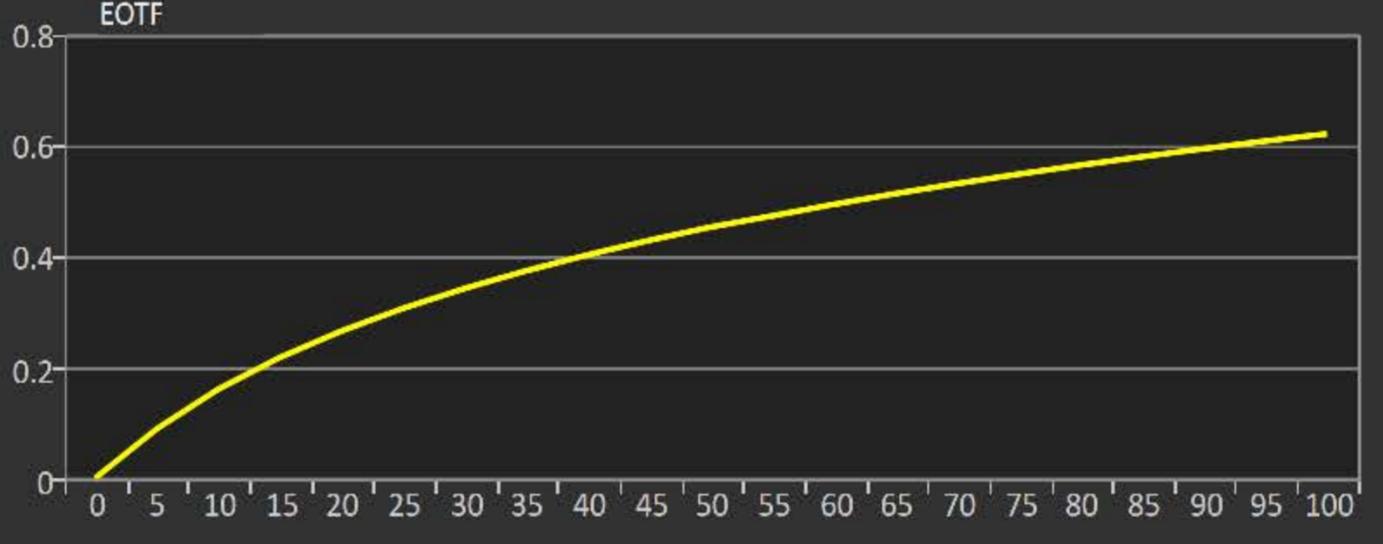
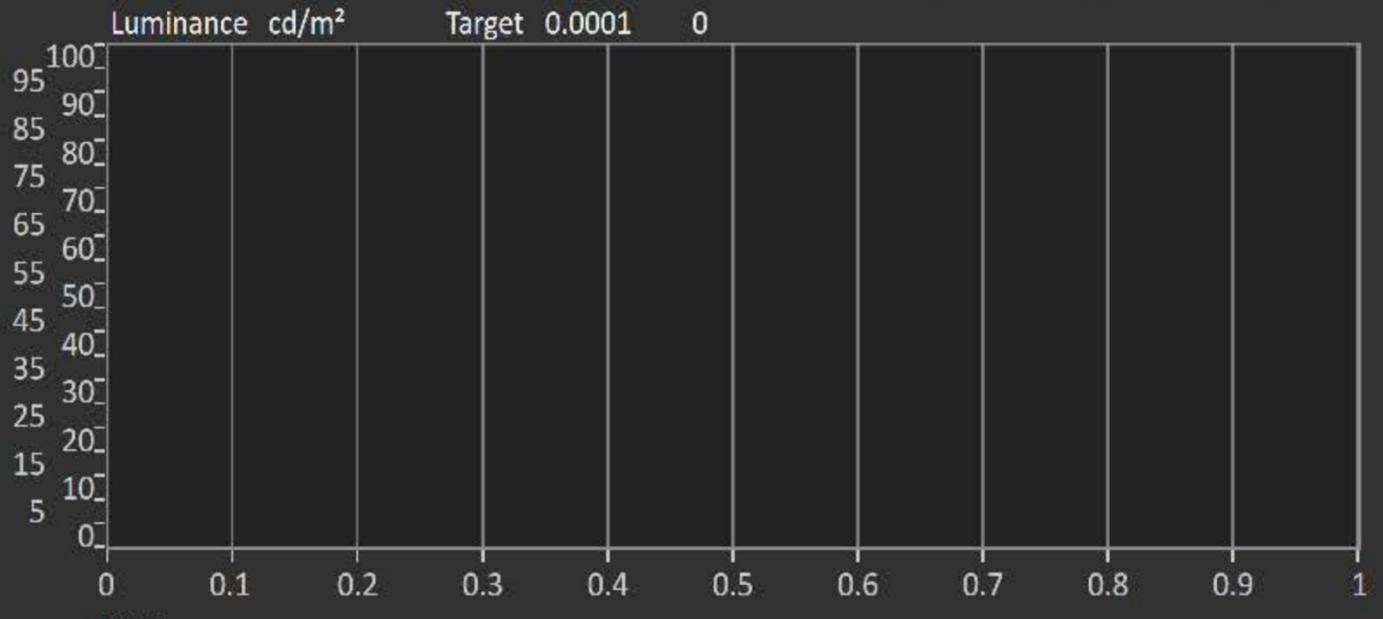
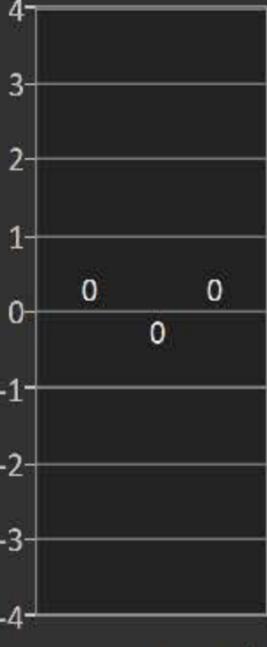
RGB Balance



Gamma Target 2.4 0 2.4 Total



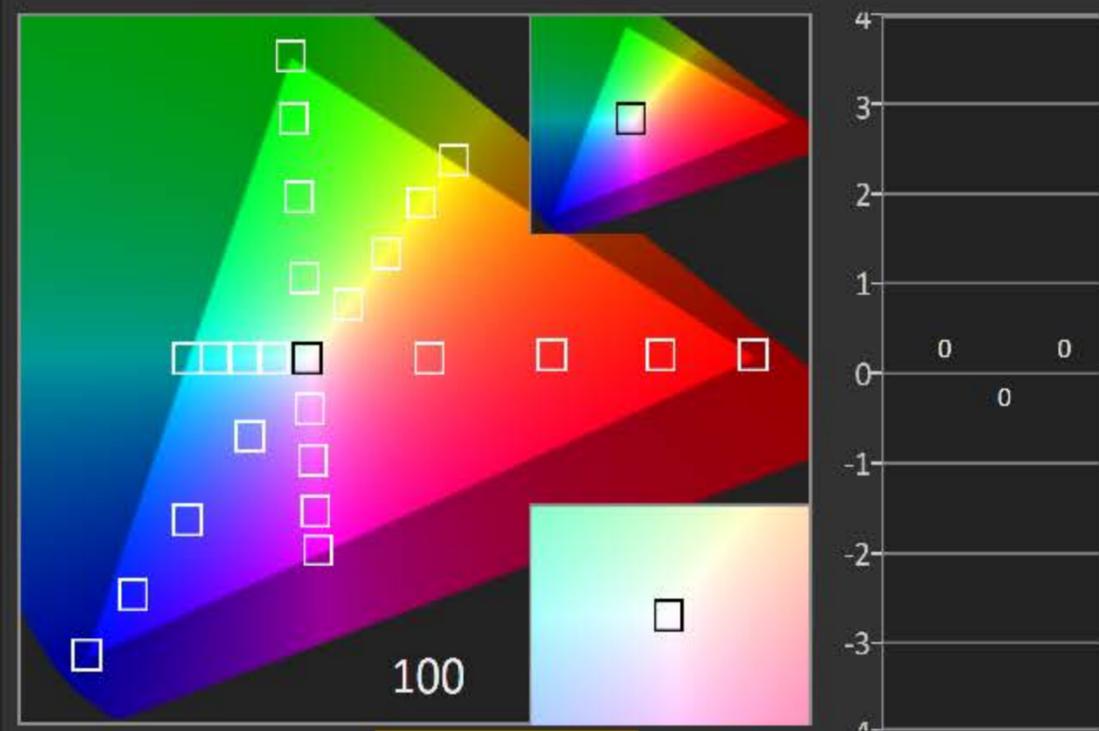
PreCal
0
White 100
Black 0



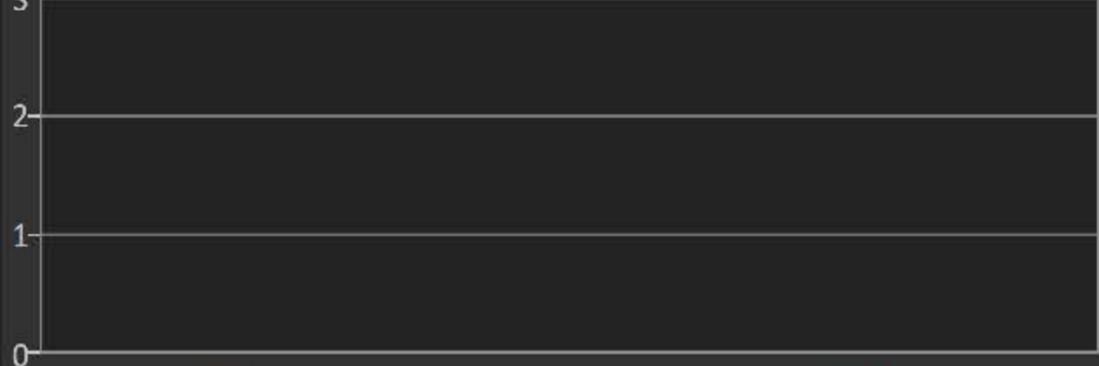
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Navigation sidebar with buttons: PreCal Reads, PostCal Chart, Next, and CalMAN logo.

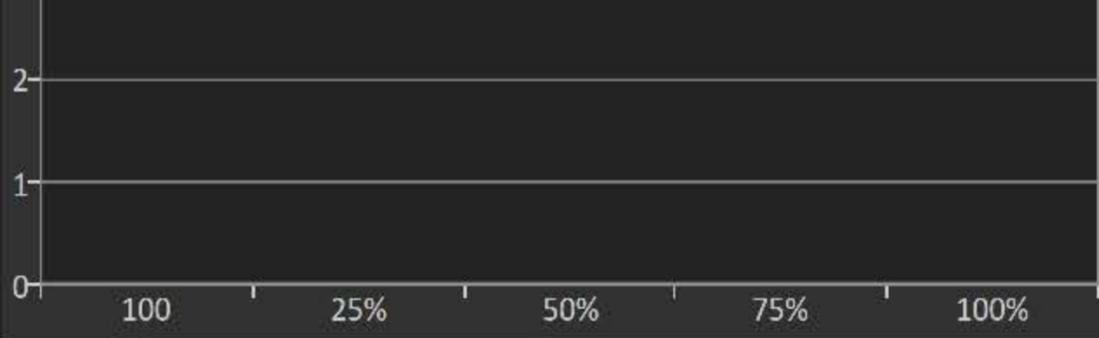
PreCal Gamut Saturation Detail



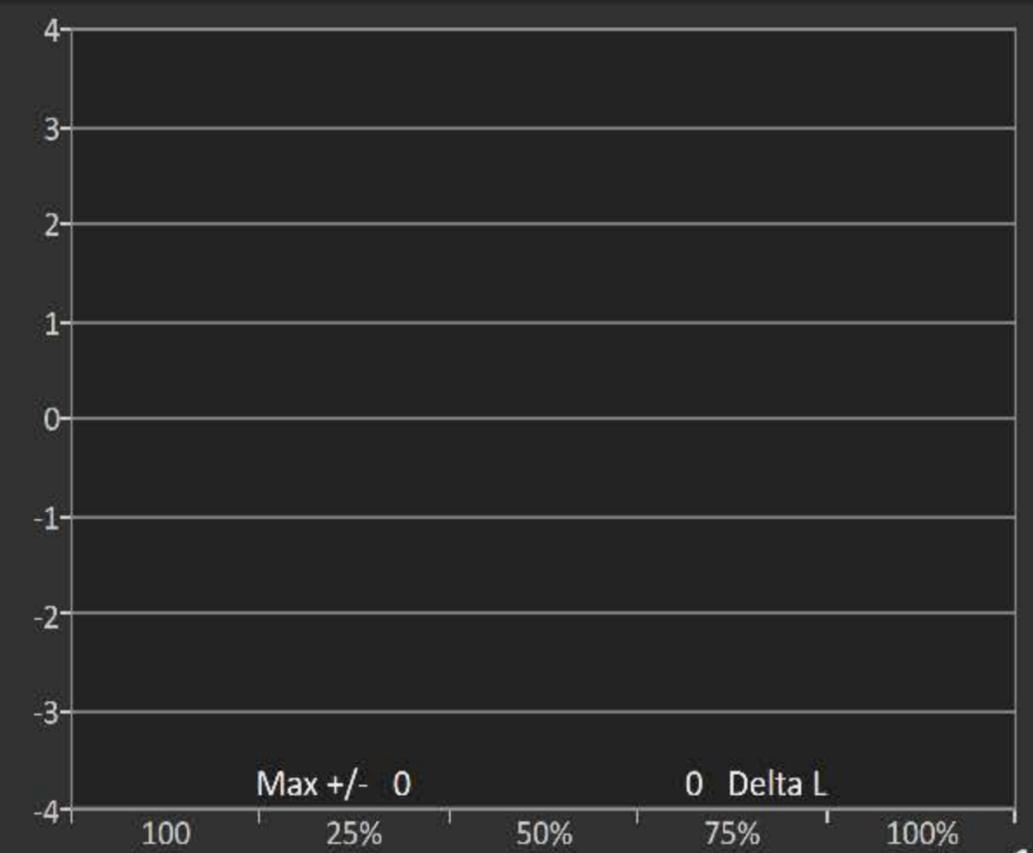
Avg 0 Max 0 **PreCal Reads** DEITP w/ Lumin Error 0



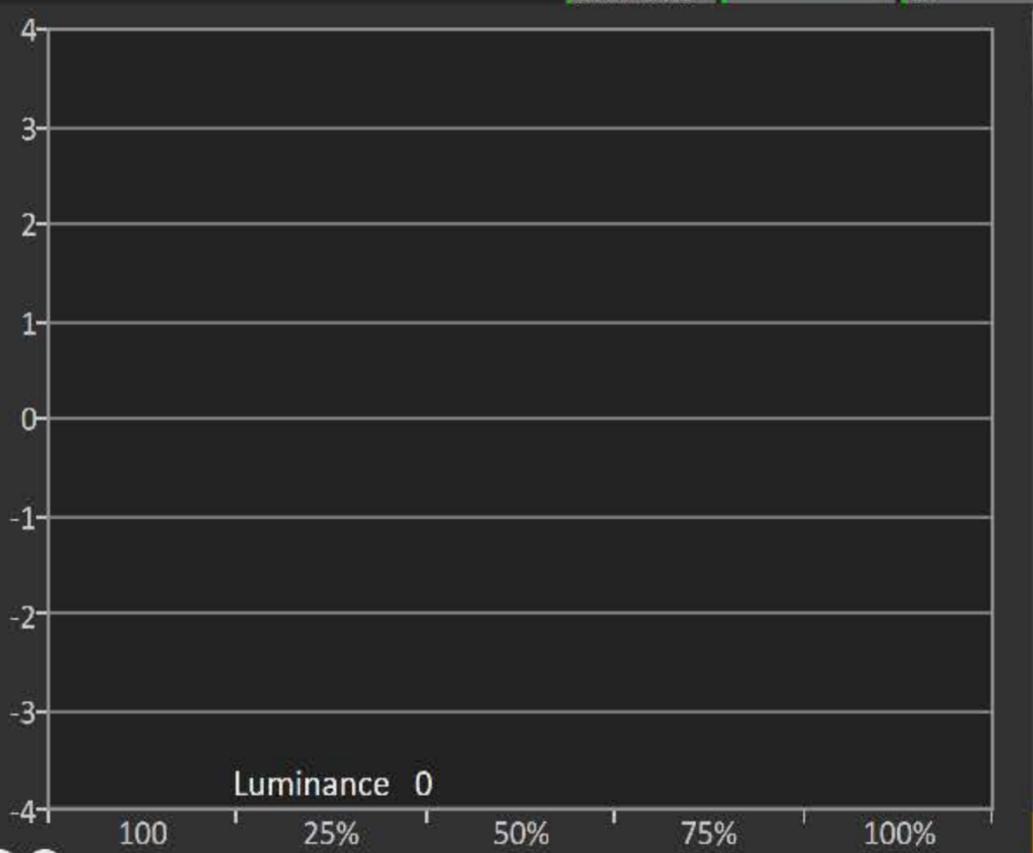
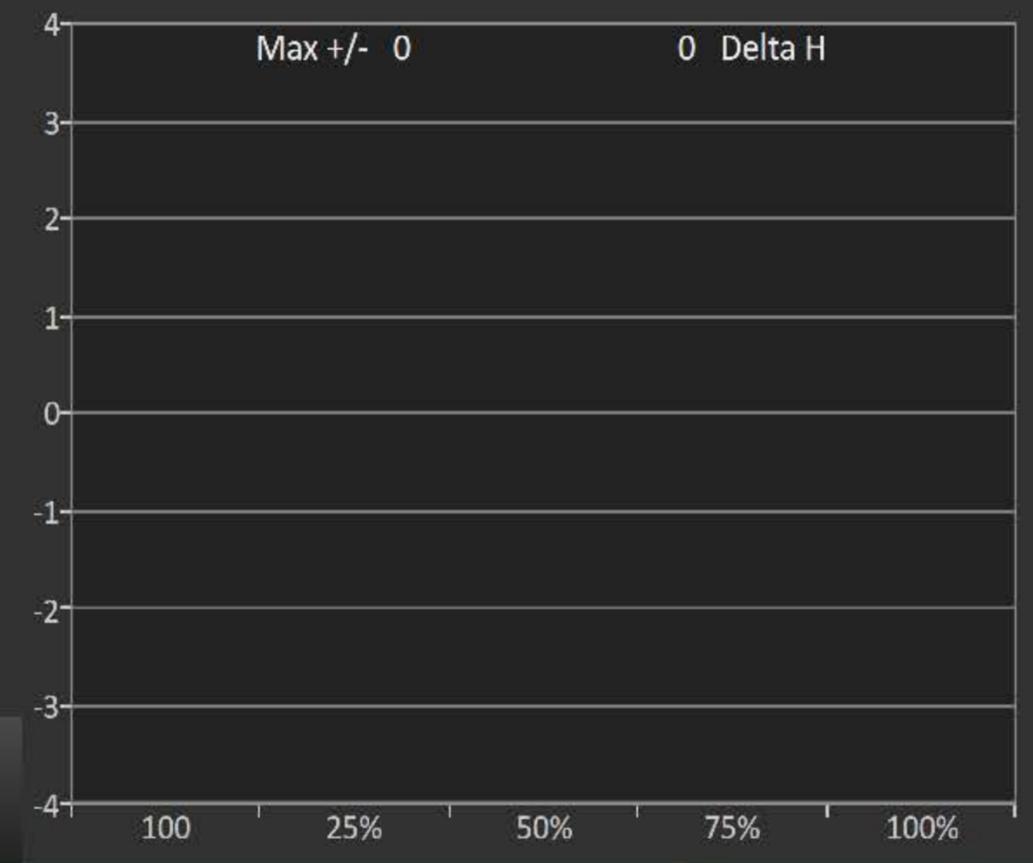
Avg 0 Max 0 DEITP 0



100



PreCal **100**

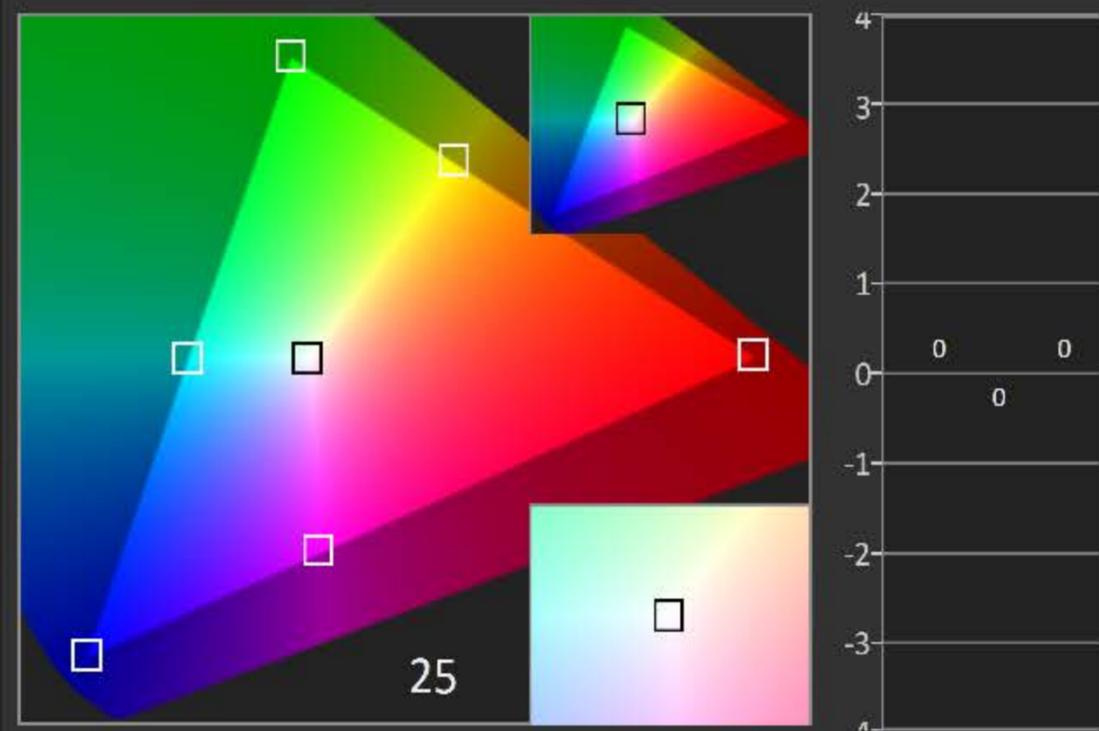


PreCal

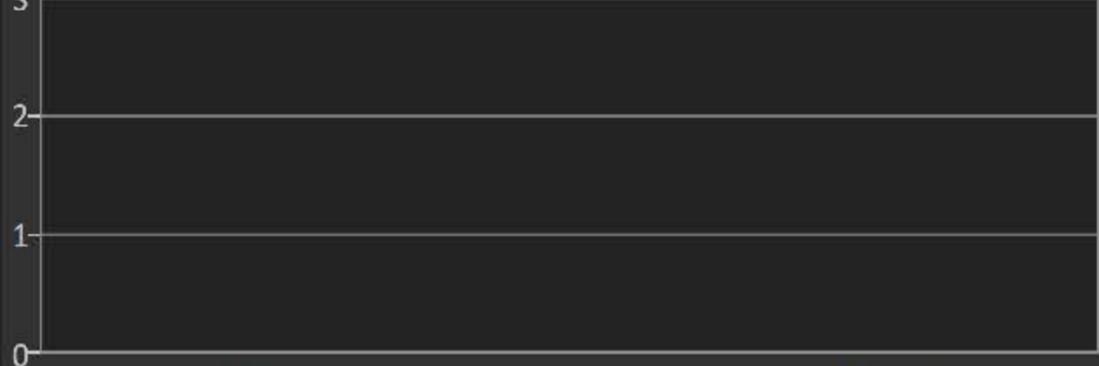


Navigation sidebar with buttons: PreCal Reads, PostCal Chart, Back, Next, and NOTES.

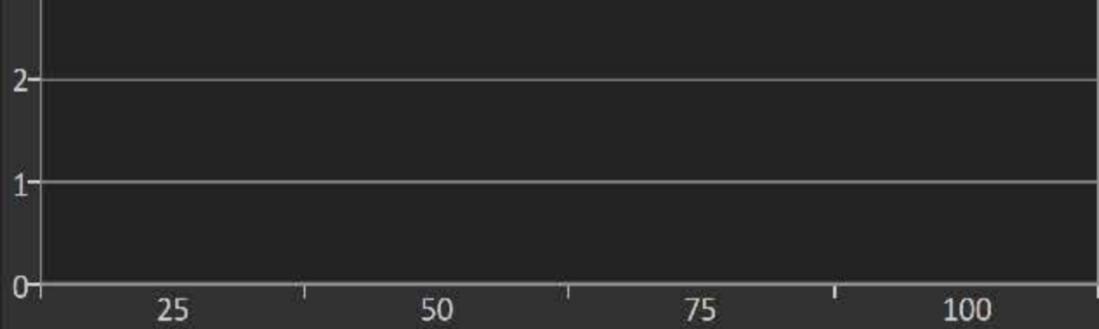
PreCal Gamut Luminance Detail



Avg 0 Max 0 DEITP w/ Lumin Error 0

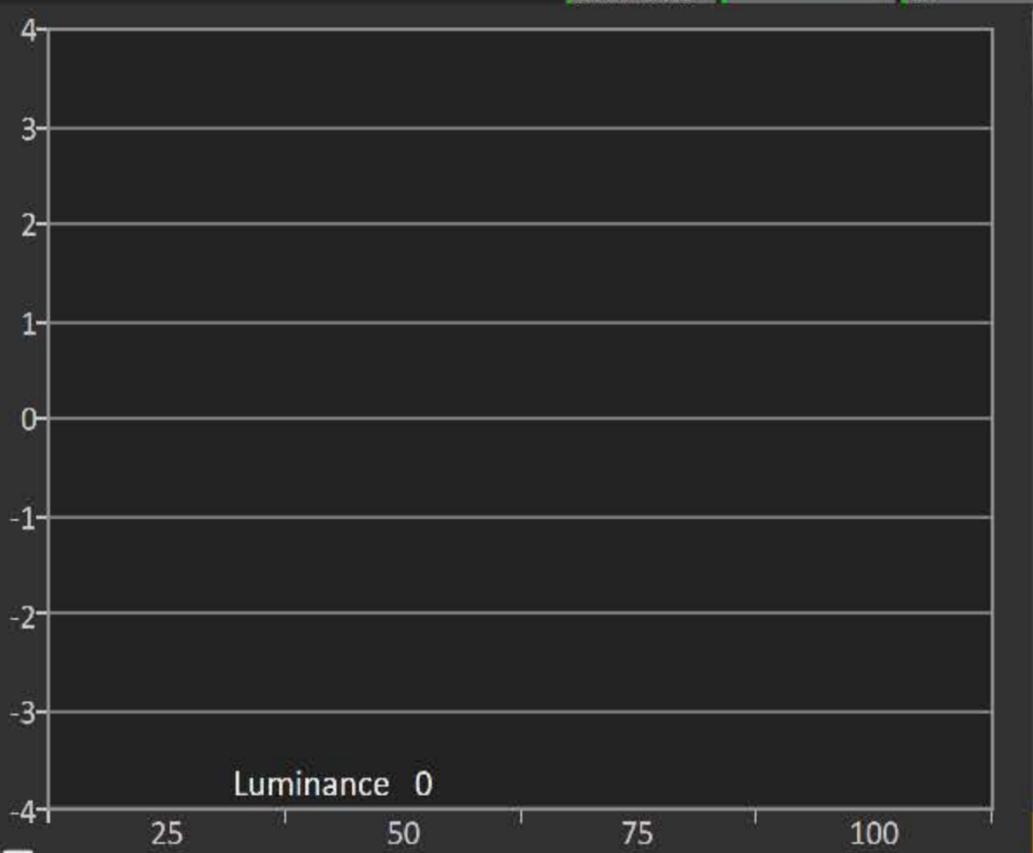
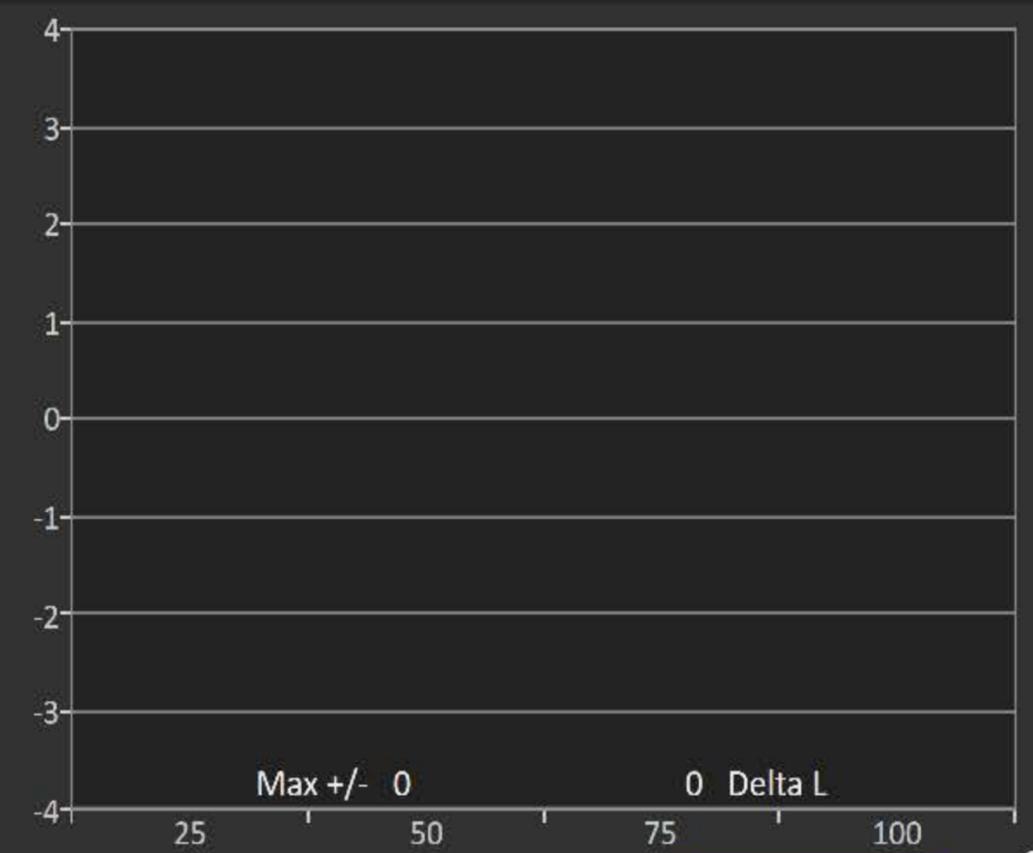


Avg 0 Max 0 DEITP 0

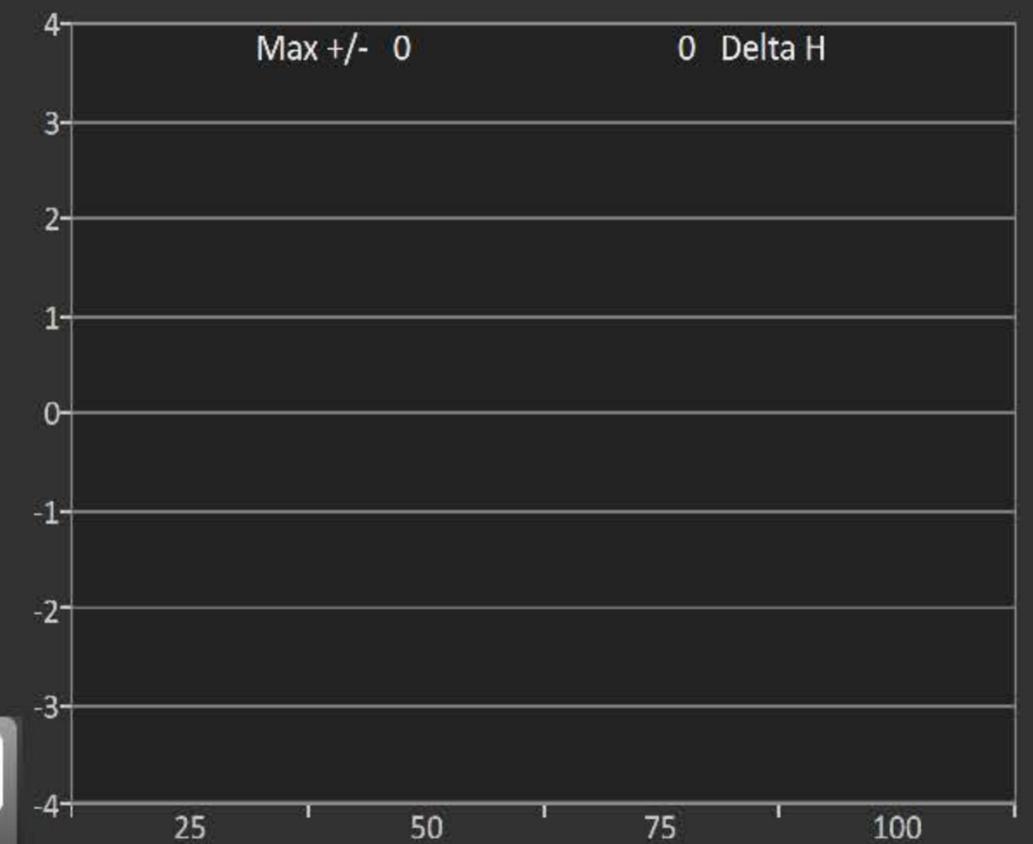


25 50 75 100

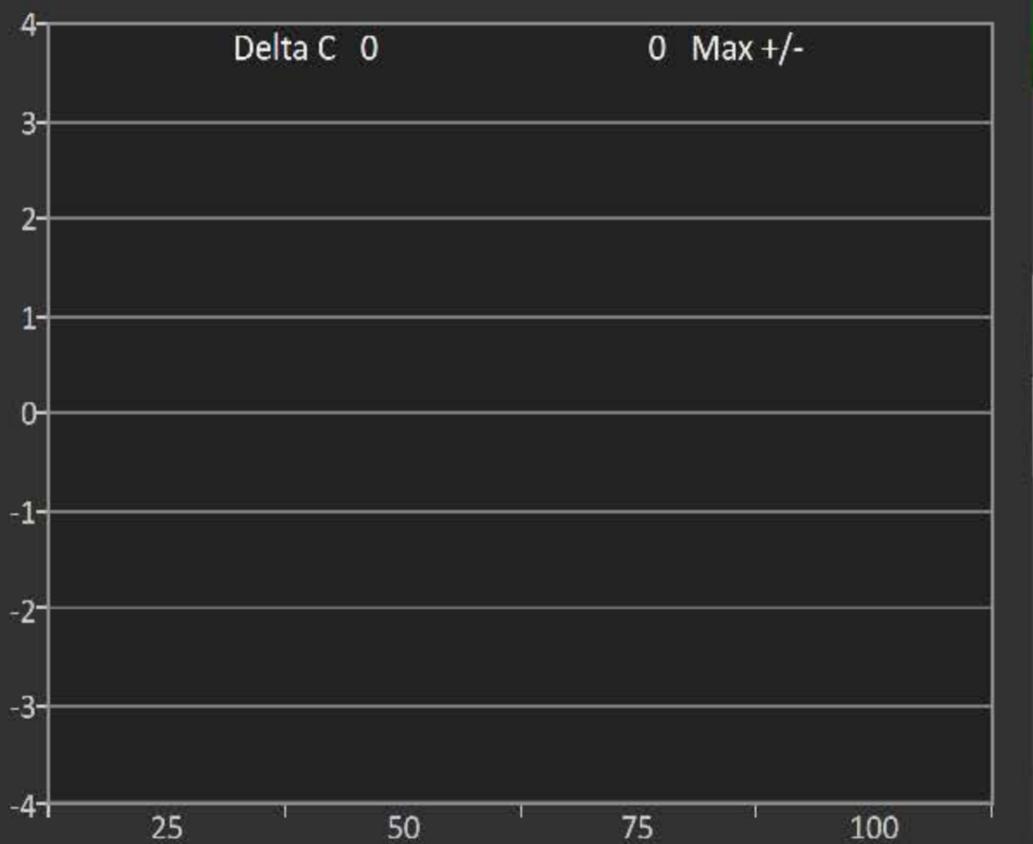
25 50 75 100



PreCal **PreCal Reads** 25



PreCal



CalMAN

PreCal Reads

PostCal Chart

Back

Next

NOTES

PreCal Color Checker Detail

PreCal • White

• Notes •

PreCal Reads

CIE Chart

Comparator

PreCal

Avg 0 / 0 Max 0 / 0
DEITP 0 / 0 w/ Luminance Error ↓

DeltaH 0 Max +/- 0 DeltaC 0 Max +/- 0

Gamut Luminance 0 DeltaL 0 Max +/- 0



White Gray 80 Gray 65 Gray 50 Gray 35 Dark Skin Light Skin Blue Sky Foliage Blue Flower Bluish Green Orange Purplish Blue Moderate Red Purple Yellow Green Orange Yellow Blue Green Red Yellow Magenta Cyan

Navigation sidebar with buttons: PreCal Reads, PostCal Chart, Back, and vertical labels: -CAN, CAN.

PreCal Color Checker Detail

PreCal • White

• Notes •

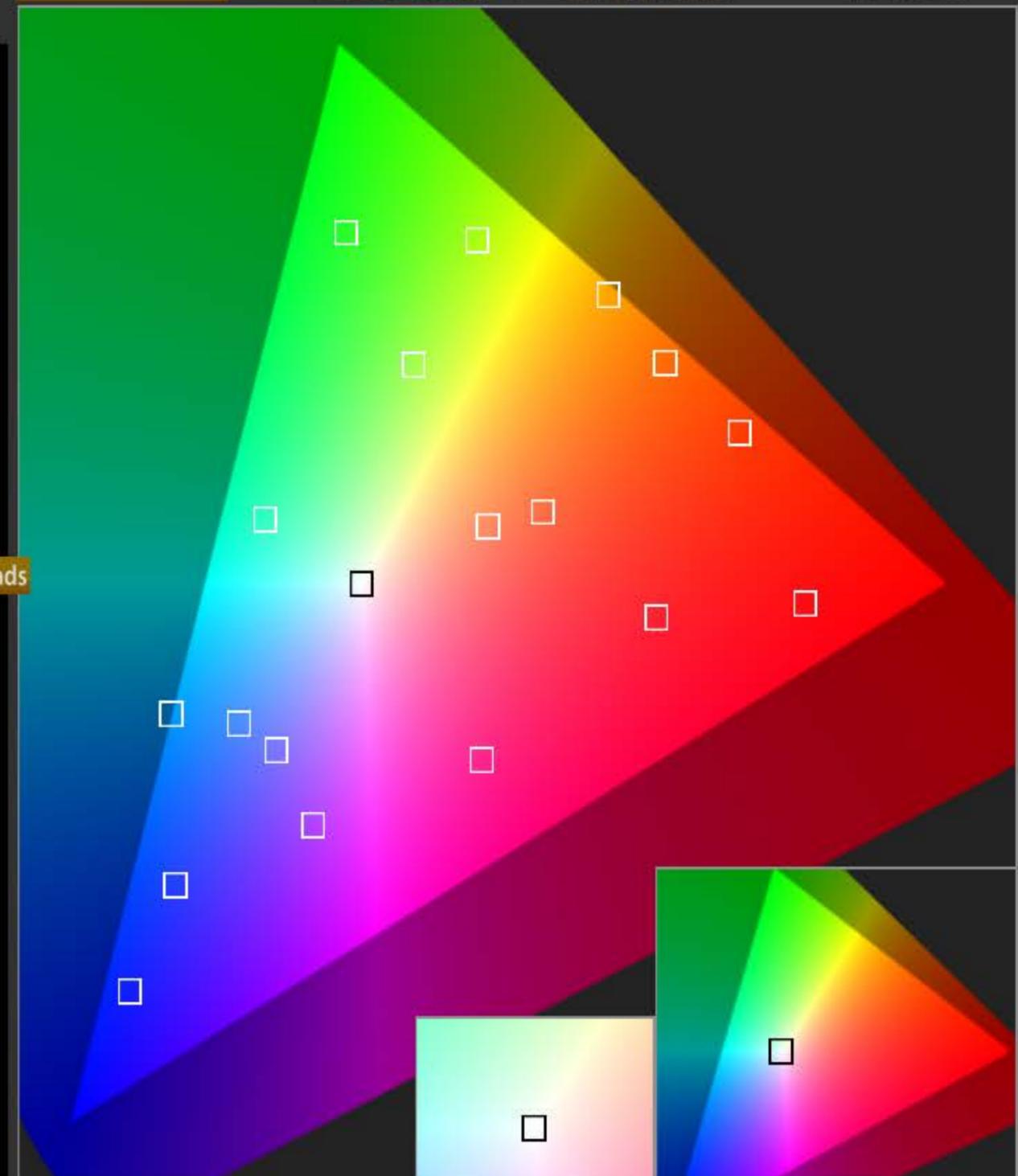
PreCal Reads

CIE Chart

Comparator

PreCal

	Avg 0 / 0	Max 0 / 0	DEITP 0 / 0	w/ Luminance Error ↓	DeltaH 0	Max +/- 0	DeltaC 0	Max +/- 0
Cyan								
Magenta								
Yellow								
Red								
Green								
Blue								
Orange Yellow								
Yellow Green								
Purple								
Moderate Red								
Purplish Blue								
Orange								
Bluish Green								
Blue Flower								
Foliage								
Blue Sky								
Light Skin								
Dark Skin								
Gray 35								
Gray 50								
Gray 65								
Gray 80								
White								



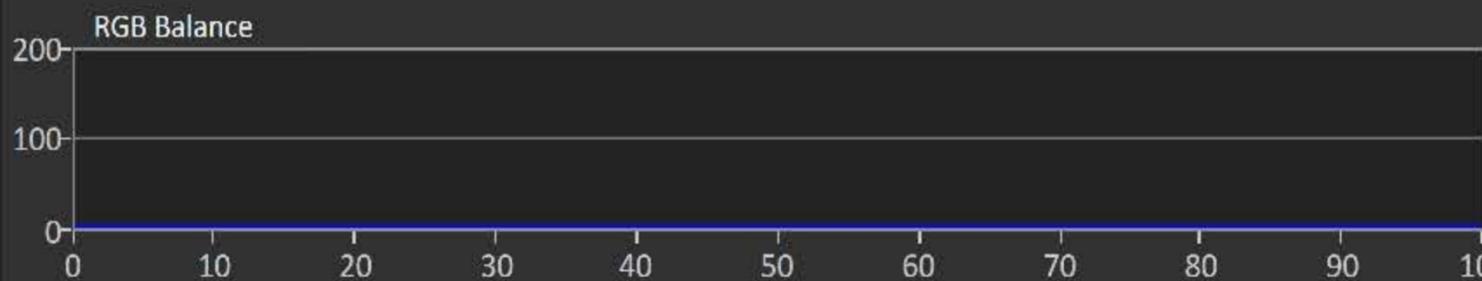
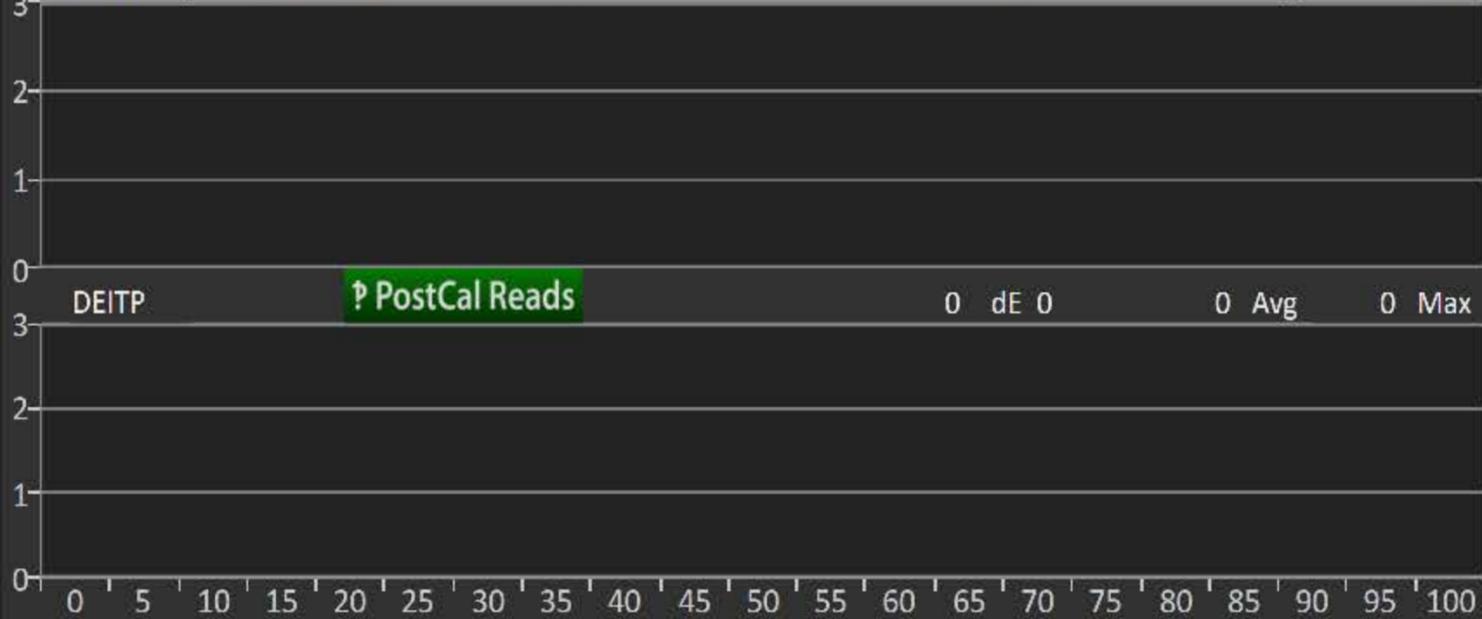
Navigation and control elements on the right side of the interface:

- Help icon (question mark)
- Navigation arrows (left and right)
- Buttons for "PreCal Reads", "PostCal Chart", and "Back"
- Vertical text "CAN" on the far right edge
- "NOTES" button at the bottom right

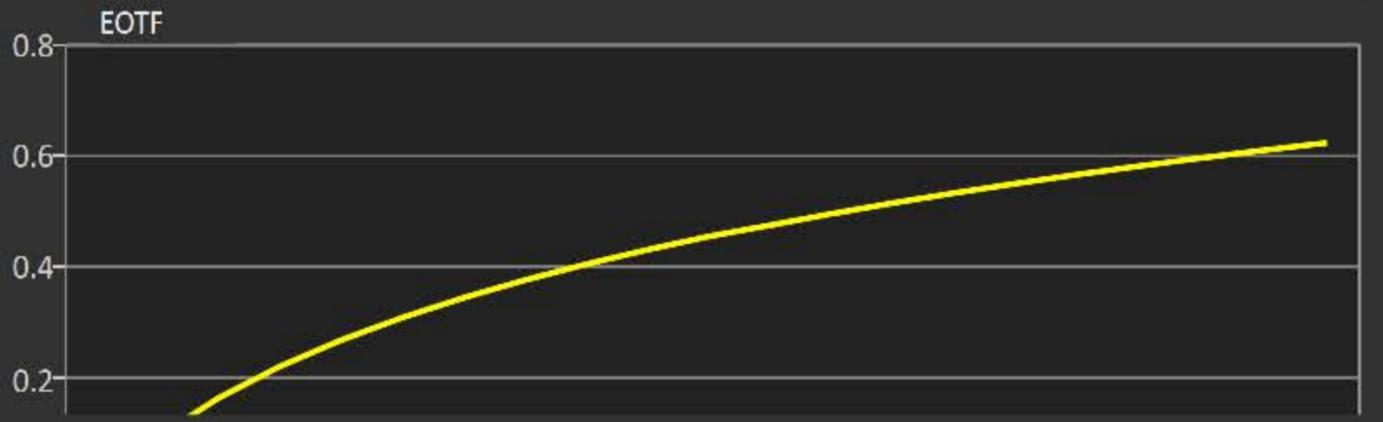
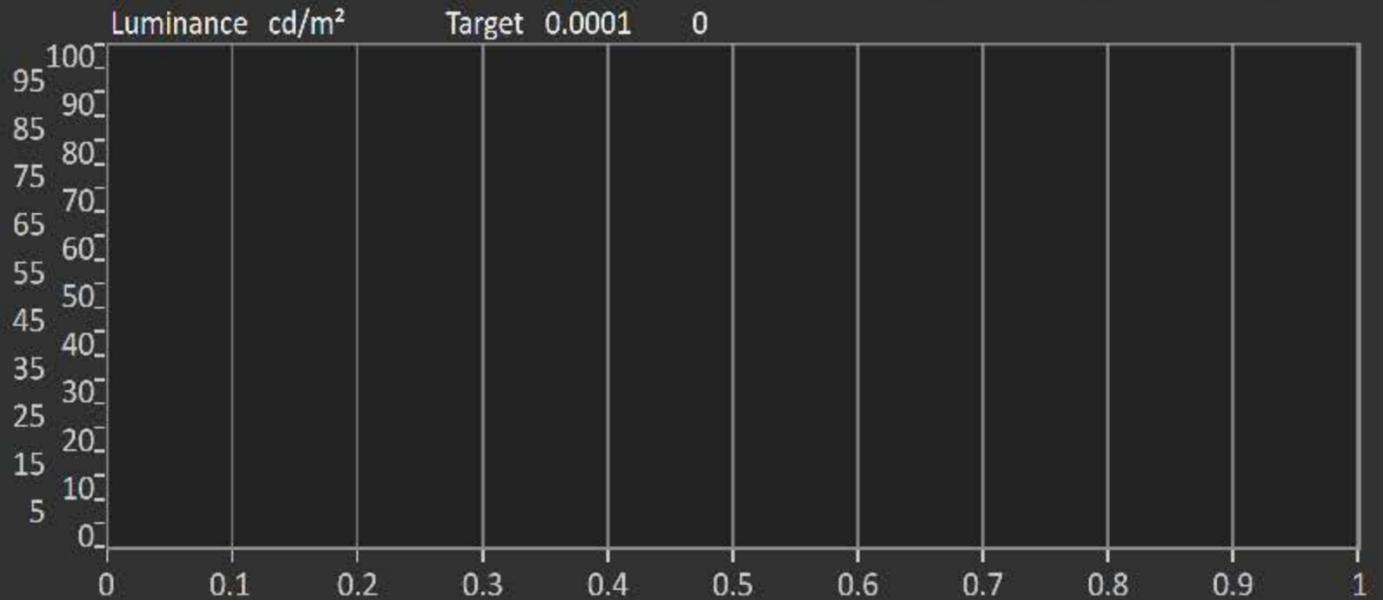
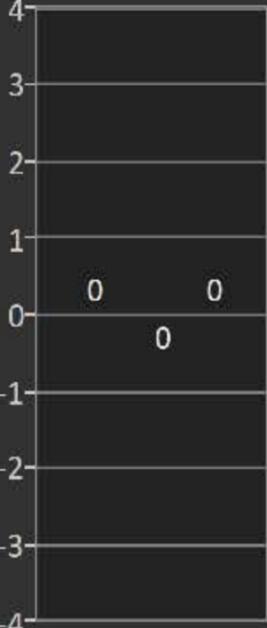
PostCal Multipoint Grayscale Detail

Datagrid Comparator

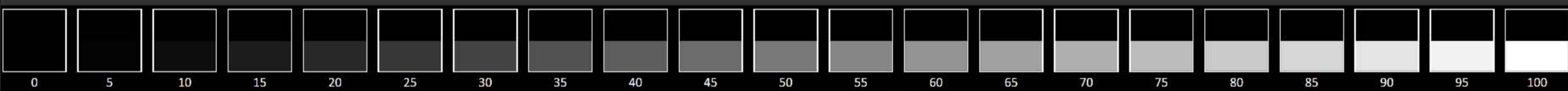
DEITP w/ Luminance Error Contrast 0 0 dE 0 0 Avg 0 Max



PostCal
0
 White 100
 Black 0



	10	20	30	40	50	60	70	80	90	100
Y cd/m^2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Target Y cd/m^2	1.2600	6.4954	17.0523	33.8777	57.7381	87.6812	127.1200	175.3359	232.8130	300.0000
x: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
y: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CCT	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Gamma Log/Log	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dEITP	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ΔE 2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



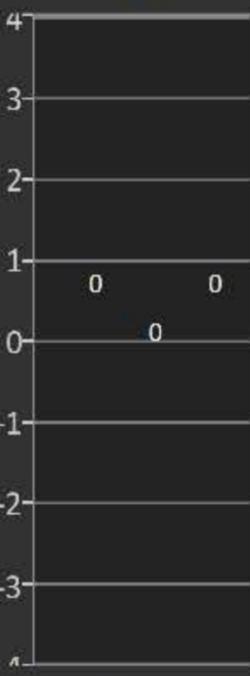
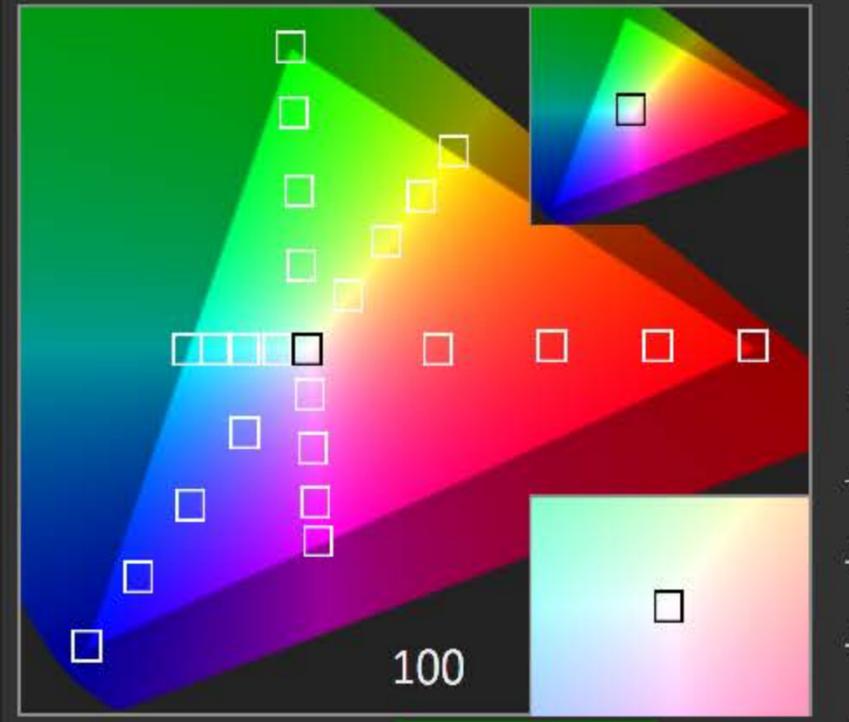
PostCal Reads
 PreCal Chart

Next »

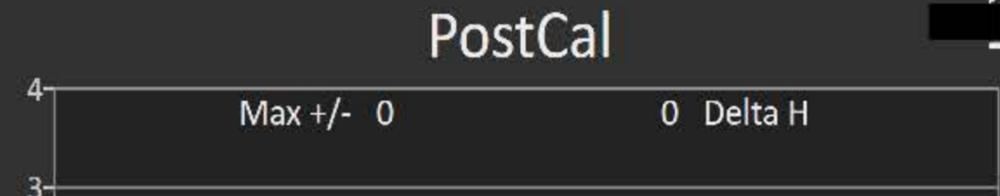
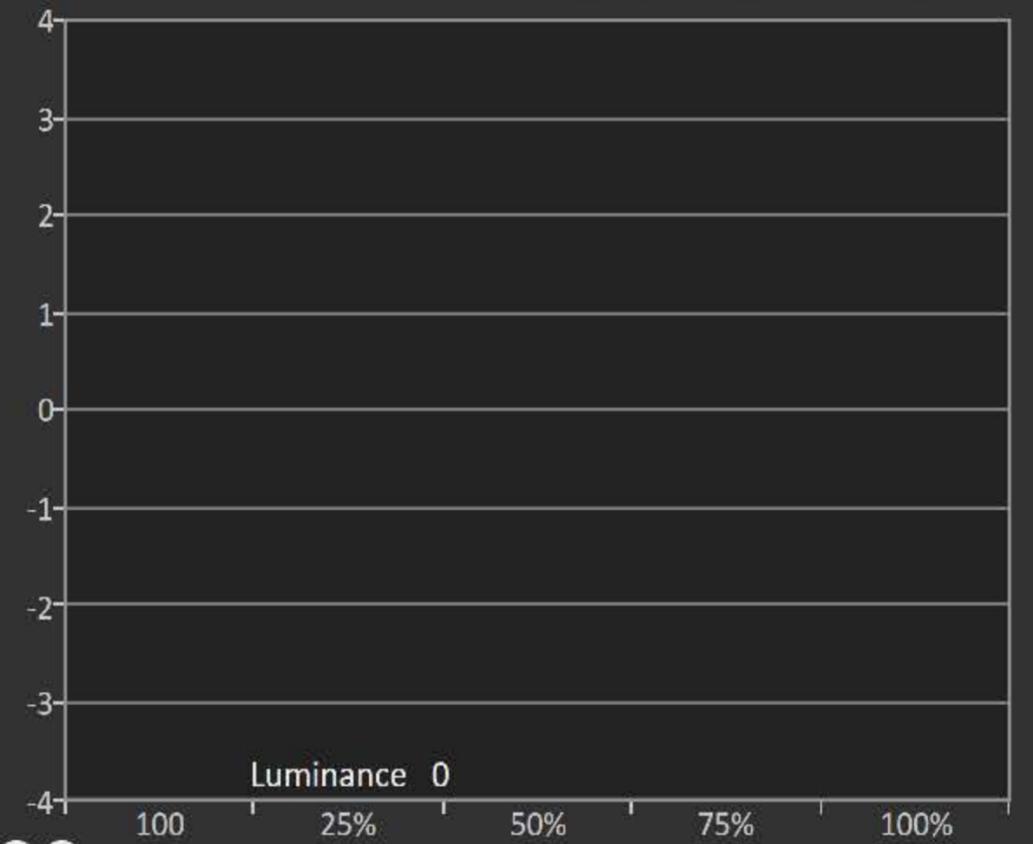
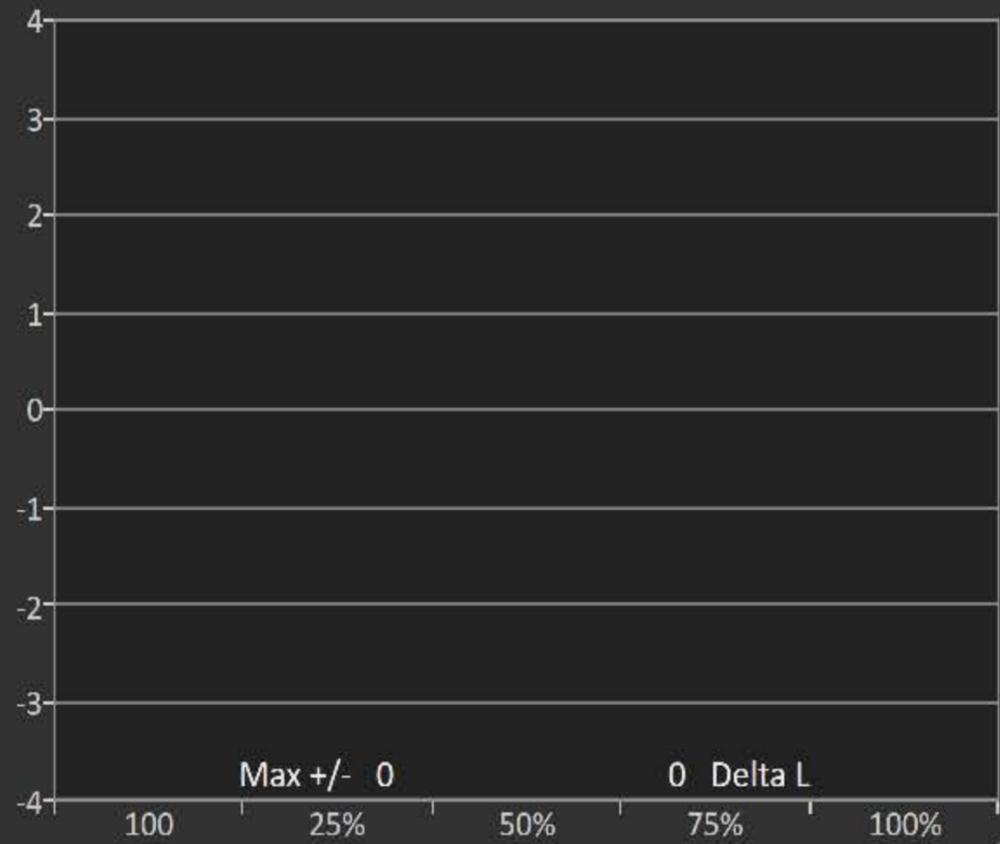
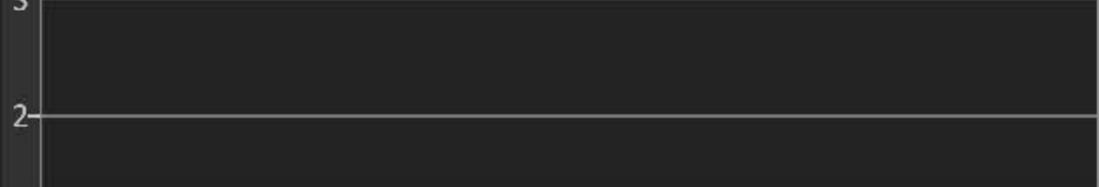
NOTES

PostCal Gamut Saturation Detail

- Comparator
- Datagrid



Avg 0 Max 0 **PostCal Reads** DEITP w/ Lumin Error 0



	10	20	30	40	50	60	70	80	90	100
Y cd/m ²	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Target Y cd/m ²	1.2600	6.4954	17.0523	33.8777	57.7381	87.6812	127.1200	175.3359	232.8130	300.0000
x: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
y: CIE31	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CCT	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Gamma Log/Log	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dEITP	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ΔE 2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



Navigation sidebar with buttons: ? (Help), ← (Back), → (Next), PostCal Reads, PreCal Chart, and NOTES.

Input - Brightness

Input - Contrast

Input - Color

Input - Tint

Input - Color Red

Input - Color Green

Input - Tint Red

Input - Tint Green

Output - Gamma Factor

100% White (Red)

100% White (Green)

100% White (Blue)

Input - Brightness

Input - Contrast

Input - Color

Input - Tint

Input - Color Red

Input - Color Green

Input - Tint Red

Input - Tint Green

Output - Gamma Factor

100% White (Red)

100% White (Green)

100% White (Blue)

CMS / GAMUT

	Red	Green	Blue
Red	100	0	0
Green	0	100	0
Blue	0	0	100
Cyan	0	100	100
Magenta	100	0	100
Yellow	100	100	0

	Red	Green	Blue
0	0	0	0
5	5	5	5
10	10	10	10
15	15	15	15
20	20	20	20
25	25	25	25
30	30	30	30
35	35	35	35
40	40	40	40
45	45	45	45
50	50	50	50
55	55	55	55
60	60	60	60
65	65	65	65
70	70	70	70
75	75	75	75
80	80	80	80
85	85	85	85
90	90	90	90
95	95	95	95
100	100	100	100

Reset CMS Reload CMS Reset Grayscale Final Check Session Setup

D65, HD BT.709 ITU_BT1886 Black 0.0001 White 300

RETURN

NOTES

