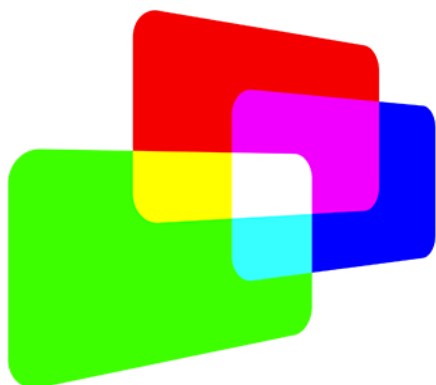


# CalMAN

Ultimate Edition  
Display Calibration Software



# ProCal



## ProCal - Gorm Sørensen

Sandshagan 11  
Jessheim, 2067

### Gorm Sørensen

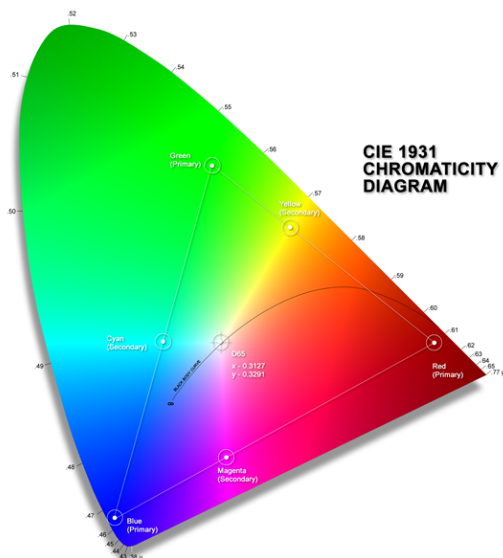
Telefon: +47 41 51 61 71  
epost: gorm@procal.no

ISF level II certified

THX level II video calibrator

## Lyd&Bilde - LG OLED65E7 SDR

Telefon:  
epost:





Gorm Sørensen  
Phone: +47 41 51 61 71  
Email: gorm@procal.no

## METER Klein Instruments K Series

Manufacturer: Klein Instruments  
Model: K-10  
Meter Serial: 00100003

## SOURCE Murideo SIX-G Generator

Model: Murideo - SIX-G (v1.77 or later)  
Info: Murideo SIX-G Generator 115200 baud

## IMAGE PROCESSOR Direct Display Control

Model: None  
Type:  
Info1:

## CALIBRATION STANDARD

Input Signal Levels NominalLevels: True  
Luminance Response Target GammaFormula: PowerFunction  
Gamma: 2.4  
Color Gamut Target Gamma: D65, HD Rec.709

## Pre Calibration Settings

PictureMode: ISF Dark  
ColorTemp: Warm2  
Gamma: BT1886  
BackLight:  
Brightness: 50                      Contrast: 85  
Color: 50                              Tint: 0  
Sharpness: 10

### High

| Red | Green | Blue |
|-----|-------|------|
| 0   | 0     | 0    |

### Low

| Red | Green | Blue |
|-----|-------|------|
| 0   | 0     | 0    |

Note:

## Post Calibration Settings

Picture Mode: ISF Mørk  
ColorTemp: Warm2  
Gamma: BT1886  
BackLight:  
Brightness: 53                      Contrast: 85  
Color: 50                              Tint: 50  
Sharpness: 3

### High

| Red | Green | Blue |
|-----|-------|------|
|-----|-------|------|

### Low

| Red | Green | Blue |
|-----|-------|------|
|-----|-------|------|

Post note: All prosessering OFF

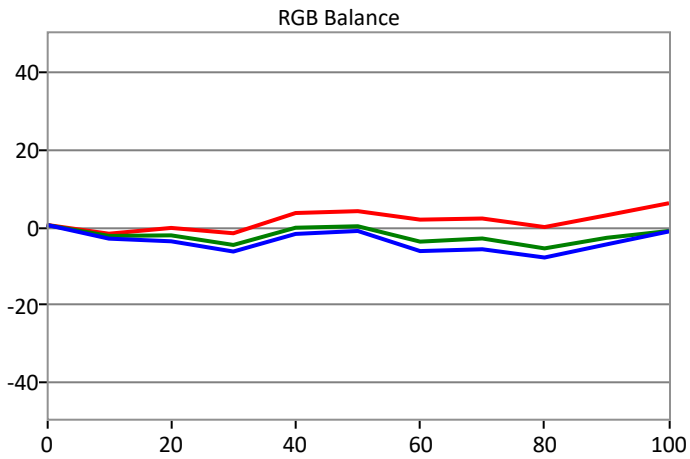
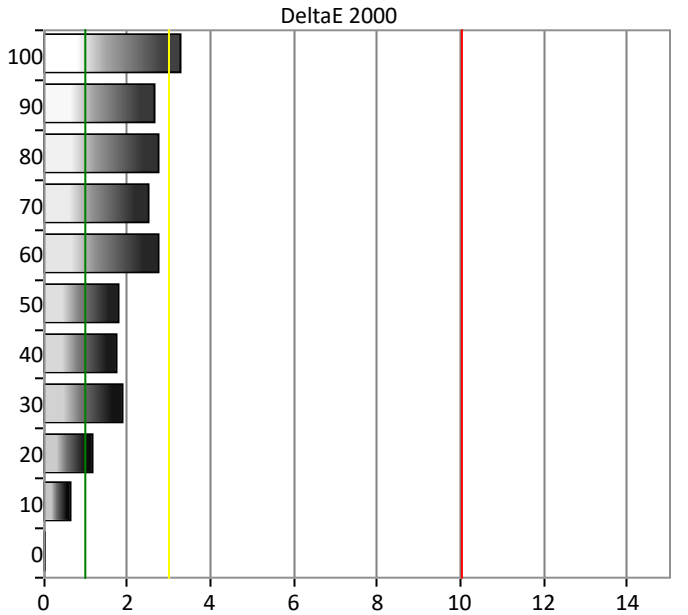
Brightness må opp til 53, og selv da er det tett på black -crush  
nærmest sort  
Eco-mous er slått av, medførte noe ujevn gamma

Har justert 2-punkt og 20-punkt hvitbalanse  
Har justert fargerommet (CMS). Farge-dekoderen er ikke spesielt  
nøyaktig i fargetoner utenom de justerbare (primær og  
sekundærfargene). F.eks brun og orange er fortsatt "off" etter  
korrigering av CMS

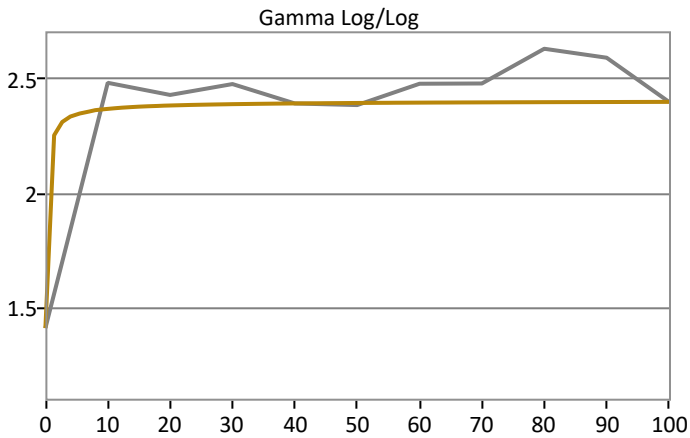


# Pre Calibration Results

CollectionMax dE2000: 3.2636

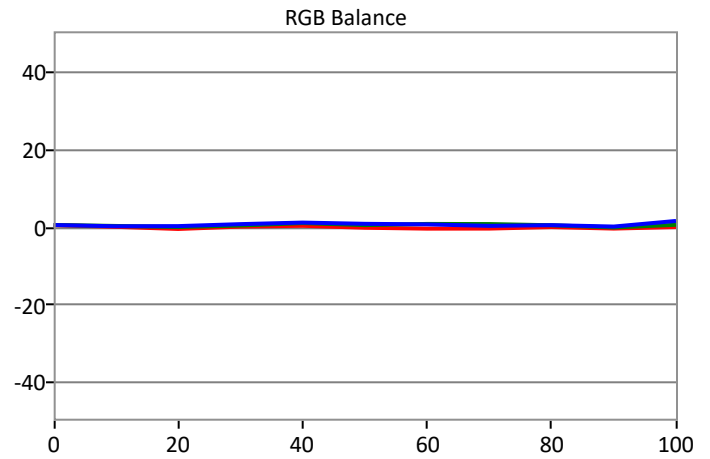
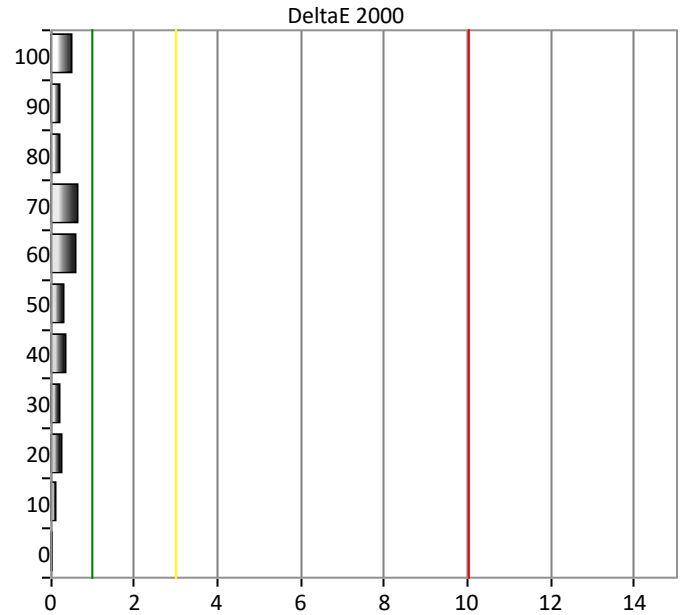


Total Gamma: 2.4944

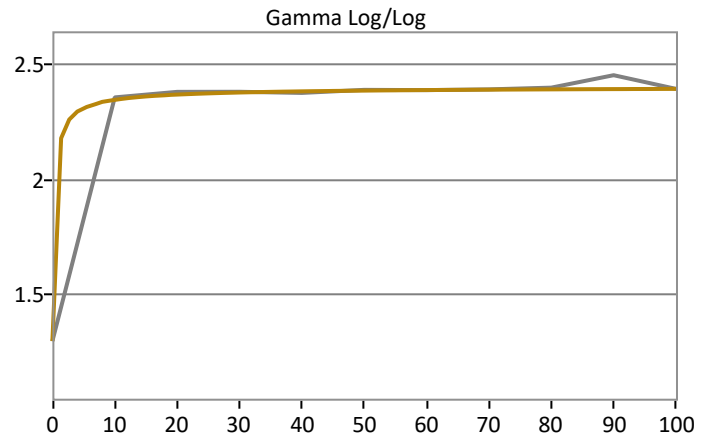


# Post Calibration Results

CollectionMax dE2000: 0.6691



Total Gamma: 2.4107



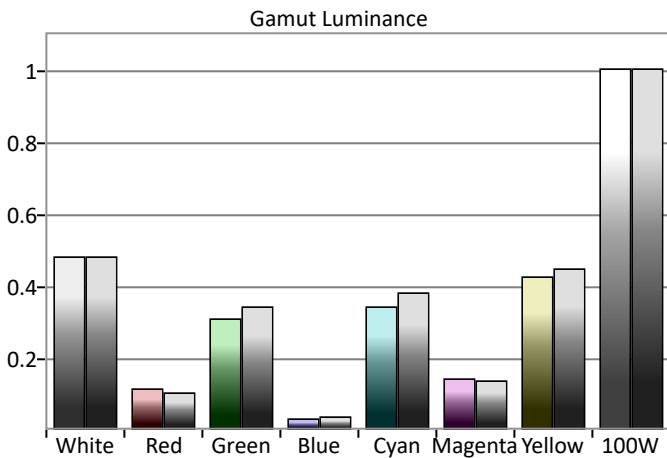
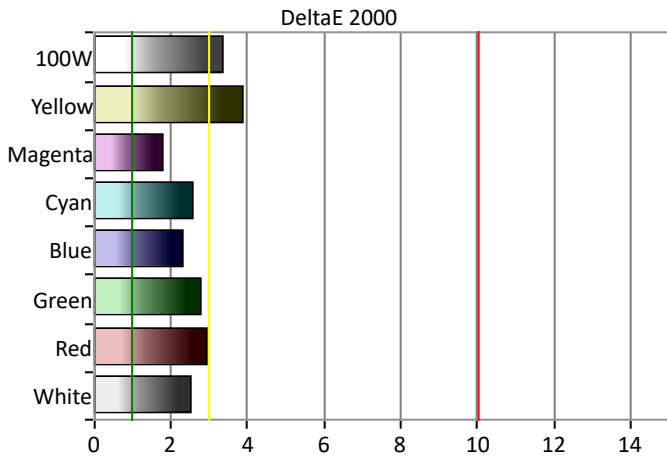
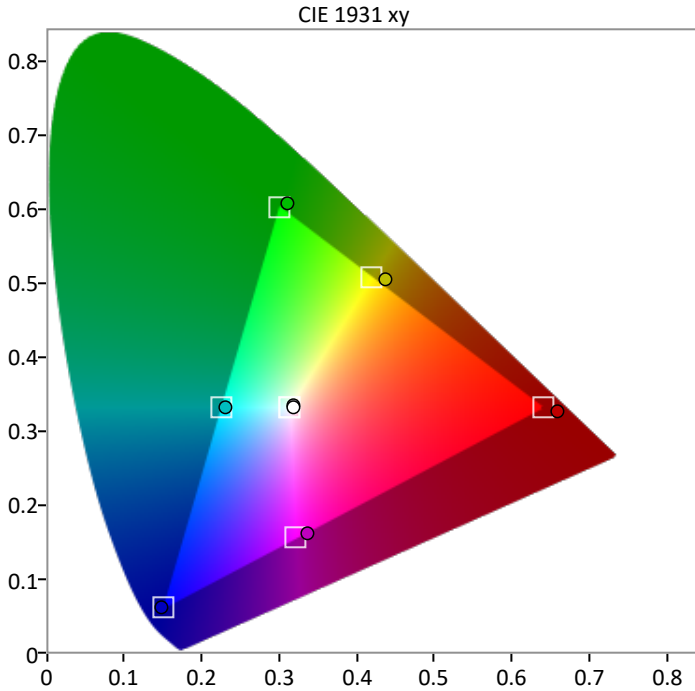


# ProCal

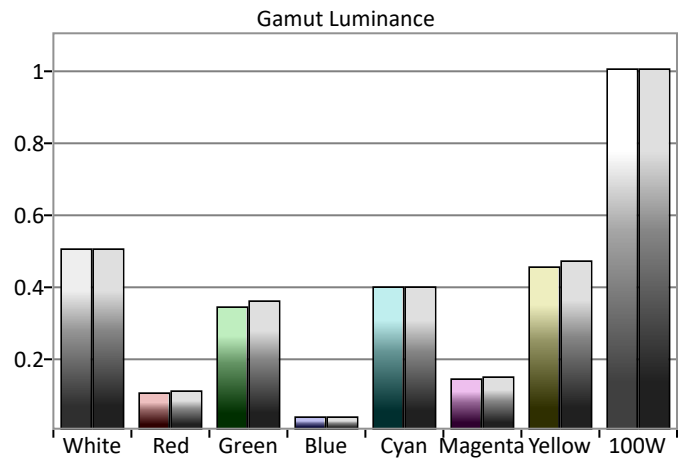
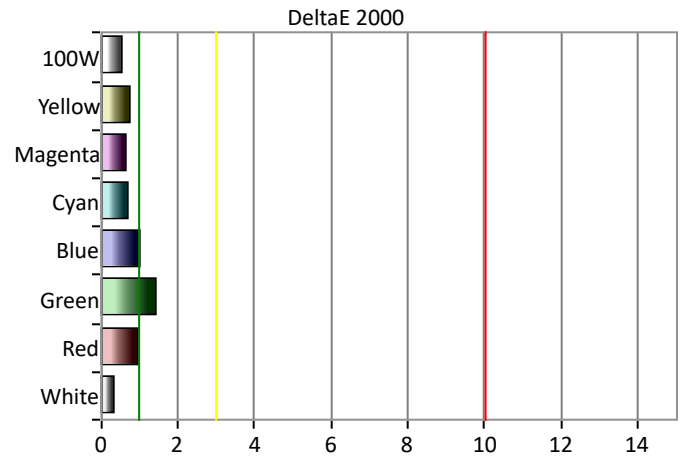
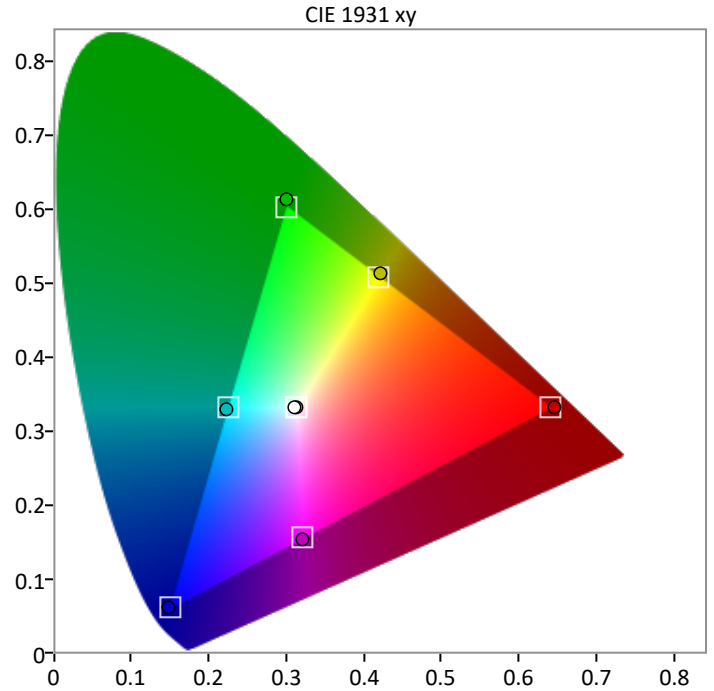


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## Pre Calibration Results



## Post Calibration Results





## Pre Calibration Results

|                | 0        | 10       | 20       | 30       | 40       | 50       | 60       | 70       | 80       | 90       | 100      |
|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| x: CIE31       | 0.343    | 0.322    | 0.320    | 0.320    | 0.319    | 0.318    | 0.320    | 0.319    | 0.318    | 0.318    | 0.317    |
| y: CIE31       | 0.115    | 0.337    | 0.334    | 0.333    | 0.332    | 0.331    | 0.332    | 0.332    | 0.332    | 0.331    | 0.329    |
| Y              | 0.000    | 0.266    | 1.607    | 4.051    | 8.895    | 15.211   | 21.960   | 32.201   | 43.374   | 59.402   | 78.072   |
| Target x:CIE31 | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    |
| Target y:CIE31 | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    |
| Target Y       | 0.000    | 0.345    | 1.730    | 4.499    | 8.894    | 15.114   | 22.909   | 33.166   | 45.698   | 60.628   | 78.072   |
| CCT            | 6645.000 | 5979.000 | 6088.000 | 6088.000 | 6137.000 | 6212.000 | 6096.000 | 6151.000 | 6187.000 | 6232.000 | 6266.000 |
| ΔE 2000        | 0.031    | 0.669    | 1.172    | 1.882    | 1.774    | 1.795    | 2.776    | 2.530    | 2.779    | 2.649    | 3.264    |

|                | White  | Red   | Green  | Blue  | Cyan   | Magenta | Yellow | 100W   |
|----------------|--------|-------|--------|-------|--------|---------|--------|--------|
| x: CIE31       | 0.319  | 0.660 | 0.311  | 0.148 | 0.230  | 0.337   | 0.437  | 0.317  |
| y: CIE31       | 0.332  | 0.324 | 0.603  | 0.059 | 0.329  | 0.158   | 0.501  | 0.329  |
| Y              | 37.246 | 8.792 | 24.037 | 2.141 | 26.551 | 11.085  | 32.960 | 77.784 |
| Target x:CIE31 | 0.313  | 0.640 | 0.300  | 0.150 | 0.225  | 0.321   | 0.419  | 0.313  |
| Target y:CIE31 | 0.329  | 0.330 | 0.600  | 0.060 | 0.329  | 0.154   | 0.505  | 0.329  |
| Target Y       | 37.246 | 7.920 | 26.636 | 2.689 | 29.325 | 10.609  | 34.557 | 77.784 |
| ΔE 2000        | 2.541  | 2.924 | 2.813  | 2.313 | 2.580  | 1.781   | 3.890  | 3.361  |

## Post Calibration Results

|                | 0        | 10       | 20       | 30       | 40       | 50       | 60       | 70       | 80       | 90       | 100      |
|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| x: CIE31       | 0.250    | 0.312    | 0.311    | 0.312    | 0.312    | 0.312    | 0.312    | 0.312    | 0.312    | 0.312    | 0.312    |
| y: CIE31       | 0.410    | 0.330    | 0.328    | 0.328    | 0.329    | 0.328    | 0.329    | 0.330    | 0.329    | 0.329    | 0.328    |
| Y              | 0.001    | 0.516    | 2.522    | 6.591    | 13.094   | 21.993   | 33.345   | 48.175   | 66.219   | 87.362   | 113.142  |
| Target x:CIE31 | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    | 0.313    |
| Target y:CIE31 | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    | 0.329    |
| Target Y       | 0.001    | 0.528    | 2.570    | 6.615    | 13.011   | 22.042   | 33.342   | 48.197   | 66.331   | 87.924   | 113.142  |
| CCT            | 8535.000 | 6544.000 | 6593.000 | 6562.000 | 6560.000 | 6564.000 | 6557.000 | 6531.000 | 6523.000 | 6523.000 | 6560.000 |
| ΔE 2000        | 0.015    | 0.141    | 0.276    | 0.204    | 0.340    | 0.333    | 0.605    | 0.669    | 0.231    | 0.214    | 0.517    |

|                | White  | Red    | Green  | Blue  | Cyan   | Magenta | Yellow | 100W    |
|----------------|--------|--------|--------|-------|--------|---------|--------|---------|
| x: CIE31       | 0.312  | 0.646  | 0.301  | 0.147 | 0.223  | 0.322   | 0.422  | 0.312   |
| y: CIE31       | 0.328  | 0.329  | 0.609  | 0.059 | 0.326  | 0.150   | 0.510  | 0.328   |
| Y              | 56.704 | 11.409 | 38.229 | 3.689 | 44.384 | 15.915  | 51.204 | 112.666 |
| Target x:CIE31 | 0.313  | 0.640  | 0.300  | 0.150 | 0.225  | 0.321   | 0.419  | 0.313   |
| Target y:CIE31 | 0.329  | 0.330  | 0.600  | 0.060 | 0.329  | 0.154   | 0.505  | 0.329   |
| Target Y       | 56.704 | 12.058 | 40.552 | 4.093 | 44.646 | 16.152  | 52.611 | 112.666 |
| ΔE 2000        | 0.353  | 0.980  | 1.429  | 1.029 | 0.720  | 0.635   | 0.773  | 0.543   |