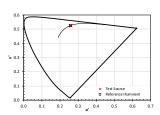
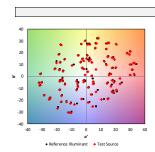


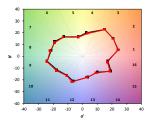
Chromaticity Comparison (CIE 1931)
The CIE 1931 Standard 2° Colorimetric Obsused for calculations.



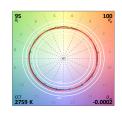
Chromaticity Comparison (CIE 1976)
The CIE 1931 Standard 2" Colorimetric Obs



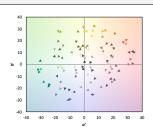
Shift in Hue-Chroma Plane $\begin{tabular}{ll} The (a,b) coordinates of CAM02-UCS are calculated for each of the 99 CSs under the test and reference conditions. R, on based on the average color difference of the 99 CSs in CAM02-UCS (also including the I dimension). Background is for visual orientation only} <math display="block"> \begin{tabular}{ll} \begin{$



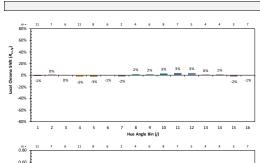
Hue-Angle Bin Average Coordinates
The average (a', b') coordinates of CAM02-UCS are calculated
for the CES within each of 16 hue-angle bins. R_i is based on the
area of the polygons for the test and reference conditions. The
three types of "tocal" values are based on the difference in
coordinates for each hue-angle bin. [Background is for visual



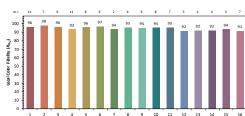
Color Vector Graphic (CVG) shows a normalized version of the average change in (g', b') coordinates of CAMO2-UCS for the CES within each hux-angle bin. Alternative versions of the VGF are available in the UCG sheet. Elements of this Graphic can be turned on or off using the mean on the Main sheet (require recalculation). (Background is for visual orientation only)



Vector Shifts
Each of the 99 pairs of test and reference coordinates can be plotted as a vector. This chart does not show the 7 dimension, which is also included in color fidelity calculations. [Coloring is for visual orientation only]

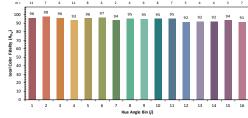


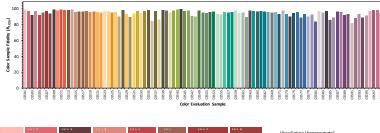
0.60 0.40 - 0.20 - 0.40 - 0. -0.60 7 8 9 10 11 12 13 14 15 16 Hue Angle Bin (j)



Color Rendition by Hue-Angle Bin

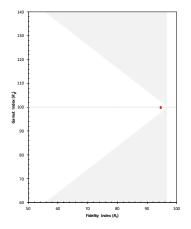


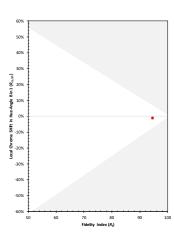


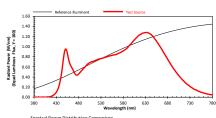


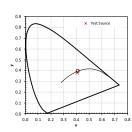






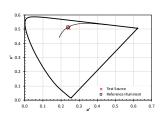




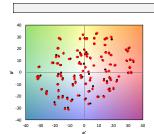


Chromaticity Comparison (CIE 1931)
The CIE 1931 Standard 2° Colorimetric Obsused for calculations.

Color Rendition by Hue-Angle Bin



Chromaticity Comparison (CIE 1976)
The CIE 1931 Standard 2" Colorimetric Obs

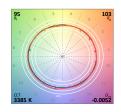


Shift in Hue-Chroma Plane $\begin{tabular}{ll} The (a,b) coordinates of CAM02-UCS are calculated for each of the 99 CSs under the test and reference conditions. R, on based on the average color difference of the 99 CSs in CAM02-UCS (also including the I dimension). Background is for visual orientation only} <math display="block"> \begin{tabular}{ll} \begin{$

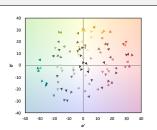
-0.40 -0.60

20 0 -10 -20 -30 -

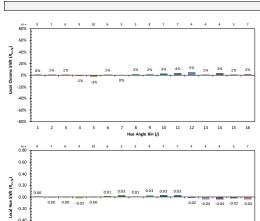
Hue-Angle Bin Average Coordinates
The average (r,b) coordinates of CAM02-UCS are calculated
for the CES within each of 16 hue-angle bins. R_i is based on the
area of the polygons for the test and reference conditions. The
three types of "Local" valutes are based on the difference in
coordinates for each hue-angle bin. [Background is for visual
orientation much.



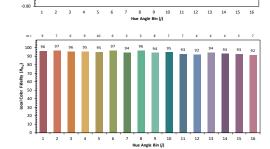
Color Vector Graphic (CVG) shows a normalized version of the average change in (g', b') coordinates of CAMO2-UCS for the CES within each hux-angle bin. Alternative versions of the VGF are available in the UCG sheet. Elements of this Graphic can be turned on or off using the mean on the Main sheet (require recalculation). (Background is for visual orientation only)



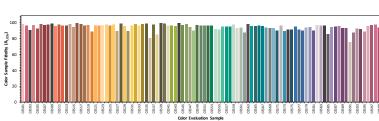
Vector Shifts
Each of the 99 pairs of test and reference coordinates can be plotted as a vector. This chart does not show the 7 dimension, which is also included in color fidelity calculations. [Coloring is for visual orientation only]



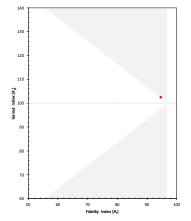
0.01 0.03 0.01 0.03 0.03 0.03

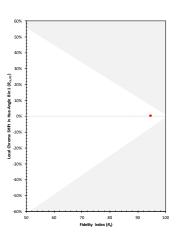


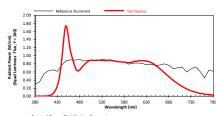
Local Color Fidelity
Local Color Fidelity is the average difference in CAMO2-UCS for the
color evaluation samples in each hus-angle bin. The number of
samples per bin, which can vary based on the CCT used for the
calculation, is shown at the top. [The colors of the bars are for visual
orientation only.]

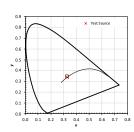




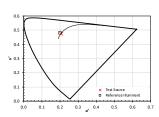




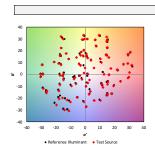




Chromaticity Comparison (CIE 1931)
The CIE 1931 Standard 2° Colorimetric Obsused for calculations.



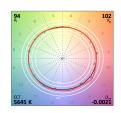
Chromaticity Comparison (CIE 1976)
The CIE 1931 Standard 2" Colorimetric Obs



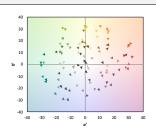
Shift in Hue-Chroma Plane
The (p, b) coordinates of CAM02-UCS are calculated for each of the 90 CSs under the test and reference conditions. R, on based on the average color difference of the 90 CSs in CAM02-UCS (bids including the 1 dimension). [Background is for visual orientation only]

-10 -20 -30

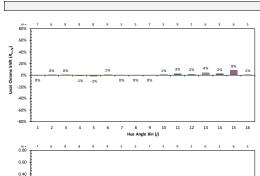
Hue-Angle Bin Average Coordinates
The average (a', b') coordinates of CAM02-UCS are calculated
for the CES within each of 16 hue-angle bins. R_i is based on the
area of the polygons for the test and reference conditions. The
three types of "tocal" values are based on the difference in
coordinates for each hue-angle bin. [Background is for visual



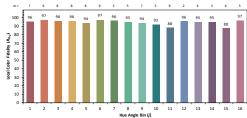
Color Vector Graphic (CVG) shows a normalized version of the average change in (g', b') coordinates of CAMO2-UCS for the CES within each hux-angle bin. Alternative versions of the VGF are available in the UCG sheet. Elements of this Graphic can be turned on or off using the mean on the Main sheet (require recalculation). (Background is for visual orientation only)



Vector Shifts
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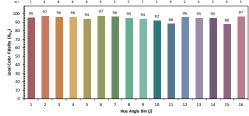


0.40 0.20 0.00 0.20 0.20 0.40 -0.60 7 8 9 10 11 12 13 14 15 16 Hue Angle Bin (/) -0.80



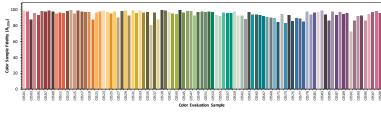
Color Rendition by Hue-Angle Bin





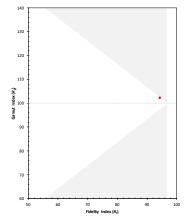
Local Color Fidelity
Local Color Fidelity is the average difference in CAM02-UCS for the
color evaluation samples in each hue-angle bin. The number of
samples per bin, which can vary based on the CCT used for the
calculation, is shown at the top. [The colors of the bars are for visus
orientation only.]

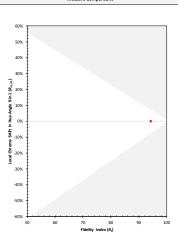


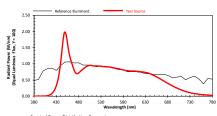


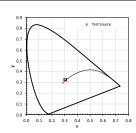


Ref Test

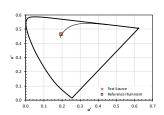




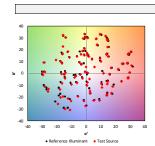




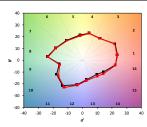
Chromaticity Comparison (CIE 1931)
The CIE 1931 Standard 2° Colorimetric Obsused for calculations.



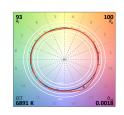
Chromaticity Comparison (CIE 1976)
The CIE 1931 Standard 2" Colorimetric Obs



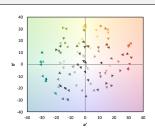
Shift in Hue-Chroma Plane
The [v] x] condinates of CAM02-UCS are calculated for each of the 90 CSs under the test and reference conditions. R_i on based on the average cotor difference of the 90 CSs in CAM02-UCS (also including the 1 dimension). [Background is for visual orientation only]



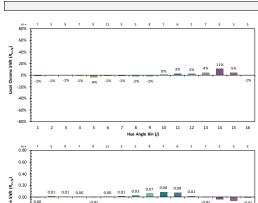
Hue-Angle Bin Average Coordinates
The average (a', b') coordinates of CAM02-UCS are calculated
for the CES within each of 16 hue-angle bins. R_i is based on the
area of the polygons for the test and reference conditions. The
three types of "tocal" values are based on the difference in
coordinates for each hue-angle bin. [Background is for visual



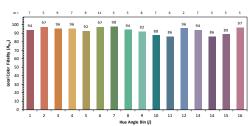
Color Vector Graphic (CVG) shows a normalized version of the average change in (g', b') coordinates of CAMO2-UCS for the CES within each hux-angle bin. Alternative versions of the VGF are available in the UCG sheet. Elements of this Graphic can be turned on or off using the mean on the Main sheet (require recalculation). (Background is for visual orientation only)



Vector Shifts
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0.00 - 0.20 - 0.40 - 0. 7 8 9 10 11 12 13 14 15 16 Hue Angle Bin (/)

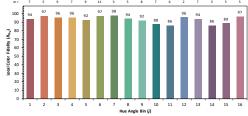




Color Rendition by Hue-Angle Bin







Local Color Fidelity
Local Color Fidelity is the average difference in CAM02-UCS for the
color evaluation samples in each hue-angle bin. The number of
samples per bin, which can vary based on the CCT used for the
calculation, is shown at the top. [The colors of the bars are for visus
orientation only.]

