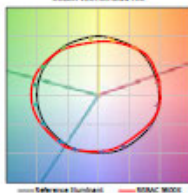


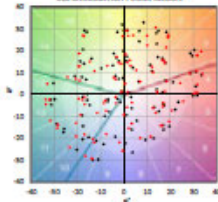
COLOR DISTORTION GRAPHIC



COLOR VECTOR GRAPHIC



CIE CHROMATICITY COMPARISON



Light source: **NSBAC MODE**
LED

BTM20-20 Fidelity Index

R_f 82

BTM20-20 Saturation Index

R_s 88

CIE Test Color Interval

CR R_a 87

R_p 88

Average of CRI13 and CRI19 (adj)

R_{adj} 91

Luminous Efficacy of Radiation

LER 81

Correlated Color Temperature

CCT 5872 K

Distance from the blackbody locus

D_{uv} 0.0281

CR 1913 chromaticity coordinate

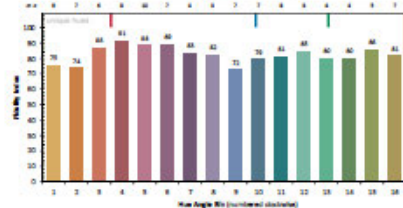
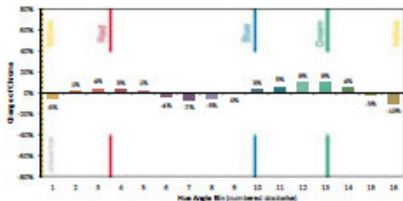
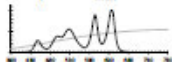
x 0.4208

y 0.4280

CR 1976 chromaticity coordinate

u' 0.2285

v' 0.6228



R_f Analogous to CR Ra (CRI). Characteristic: the average color shift of the 19 CIE test colorimetric test samples compared to the reference illuminant. Values range from 0 to 100.

R_s Compares the area enclosed by the average chromaticity coordinates in each of 18 hue bins to characterize the average saturation level of the test source compared to the reference illuminant. A neutral score is 100, with values greater than 100 indicating an increase in saturation and values less than 100 indicating a decrease in saturation. The range in values given as fidelity decreases.

R_{adj} Characterizes the similarity of skin tones (CRI13 and CRI19) as rendered by the test source compared to the reference source. Values range from 0 to 100. R_{adj} can be used to supplement other values when skin is an important consideration.

Color Vector graphic

Provides a visual representation of hue and saturation changes based on the average rendering in each hue bin, relative to the reference. The graphic provides a quick understanding of how different hues are rendered in different ways.

Chroma Change by Hue Indices

Provides numerical values for relative chroma change in each of 18 hue bins, which can be used to evaluate saturation (positive values) or desaturation (negative values) of yellow, red, blue, green, and in-between hues compared to the reference.

Hue Fidelity Indices

Provides a numerical characterization of color fidelity in each of 18 hue bins, which can be used to evaluate how similarly the test source renders yellow, red, blue, green, or in-between hues compared to the reference. Values range from 0 to 100. Specific values may be used to complement average values if one hue type is of particular concern. These scores are analogous to the special indices of the CRI system (e.g., R_f), but are more robust because they consider several samples with different spectral features.