

Screen surface technical datasheet

Material tested: Solar HD front projection screen material

Testing Conducted on: June 6, 2008

By:

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Equipment utilized:

JVC DLA-HD100
Sekonic L-508c
Sencore VP 401
Sencore ColorPro III

General Description:

Solar HD is a front projection material intended for use in light controlled environments where an increase in brightness is desired due to either ambient light levels or projector output. Solar HD provides a wide viewing angle, high contrast, bright picture, and excellent color accuracy. The ultra fine emboss pattern on Solar HD optimizes its reflective resolution for 1080p HD projectors. This material is available on Reference Series projection screens.

Gain: 1.3

Max screen sizes:

- 2.35:1 - 205" diagonal
- 16:9 - 205" diagonal
- 4:3 -168" diagonal

Special thanks to:

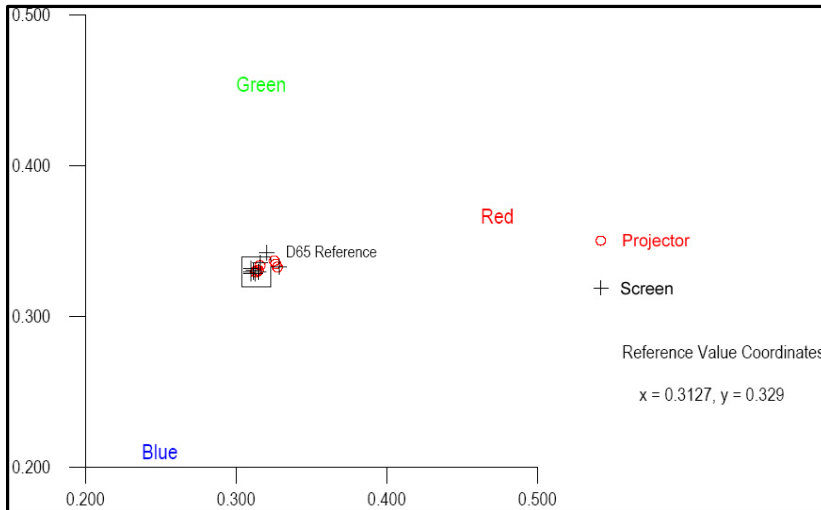


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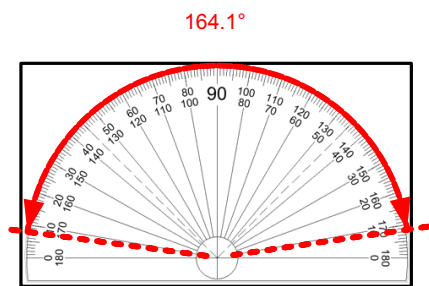
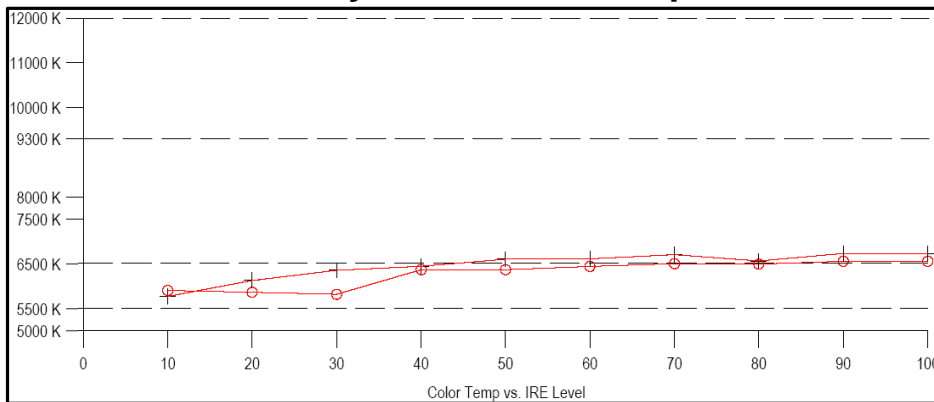
SENCORE
ColorPro
Color Analyzer

Color Shift by xy coordinates

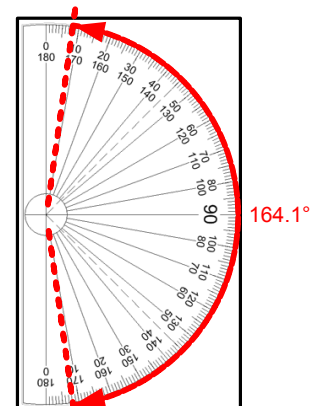


Colorimetry:
Average color neutrality: 98.7%

Color shift by Kelvin color temperature



Horizontal Viewing Angle



Vertical Viewing Angle

Conclusion:

Solar HD's excellent color neutrality, HD resolution, brightness uniformity, and wide viewing angles combine to make it an excellent screen when a slight increase in brightness over unity gain is desired.

Solar HD front projection screen material is intended for use in light controlled environments with average to bright projectors although mild ambient light may be acceptable if focused away from the screen while using a high brightness projector. Refer to SI's Screen Wizard online for further advice on attaining SMPTE standards in each different situation.