

Hubble Performance Specifications

Rev. B

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Specification ¹	Value
Repeatability (2σ) Measured against source of standard spectral radiance, Illuminant A, with no mount or dismount.	Chromaticity: 300 – 1370 cd/m ² ± 0.0002 30 – 300 cd/m ² ± 0.0004 5 - 30 cd/m ² ± 0.0008 2 - 5 cd/m ² ± 0.002 Luminance: 300 – 1370 cd/m ² $\pm 0.05\%$ 30 – 300 cd/m ² $\pm 0.1\%$ 3 - 30 cd/m ² $\pm 0.2\%$ 0.1- 3 cd/m ² $\pm 4\%$
Inter-instrument Agreement (Measured on calibration source)	Chromaticity: ± 0.004 (2 σ) Luminance: $\pm 5\%$ (2 σ)
Accuracy (2σ) (To calibration standards on calibration source)	Chromaticity: 160-1370 cd/m ² ± 0.002 40-160 cd/m ² ± 0.003 10-40 cd/m ² ± 0.0035 Luminance: 160-1370 cd/m ² $\pm 1\%$ 40-160 cd/m ² ± 1.5 10-40 cd/m ² $\pm 3\%$
Measurement time	0.20 to 1.0 sec (typical)
Spectral Range	380 – 720 nm
Photometric range	0.034 to 1370 cd/m ²
Photometric resolution	0.001 cd/m ²

¹ Performance specifications refer to values achieved by measurement of X-Rite standard display using specified setup and measurement criteria.