

# Request for Quote for Field Flattening Lens

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This RFQ is for four calcium fluoride field flattening lenses for use in the Spartan Infrared Camera for the SOAR Telescope ([www.soartelescope.org](http://www.soartelescope.org)).

Surface	Radius of Curvature (mm)	Thickness <sup>1</sup> (mm)	CA <sup>2</sup> (mm)	OD <sup>3</sup> (mm)
Surface 1	$166.0 \pm 0.5$	$7.8 \pm 0.7$	58	67
Surface 2	$\infty$		58	67

<sup>1</sup>Thickness is center thickness of element.

<sup>2</sup>CA is clear aperture of element.

<sup>3</sup>MaxOD is maximum outer diameter of element.

Surface quality: 40/20 scratch dig and  $\lambda/2$  wave @ 633 nm peak-to-valley flatness

Coating: AR 98% @ 1-2.5  $\mu\text{m}$

Environmental conditions: Operation will be at liquid nitrogen temperature in vacuum. The distances are specified at room temperature.