Folding Mirror Coating Uniformity Demonstration

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			DCN NO.	REV	DATE
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Type	**FM**
Purpose	The goal is to demonstrate the existing CSIRO coating uniformity. The coated flat will eventually be used as a metrology reference surface.
Applicable Documents	
Blank Specification	E080045-A – Heraeus Suprasil 312
Polish Specification	E080515-v3
Polish Drawing (Fabricate From)	D080661-v2
General to Surfaces 1 & 2	
Figure Change Before / After Coating	Goal: Over a 225 mm diameter aperture, coating uniformity & stress from the coating process shall not change the Sagitta more than 8 nanometers, and shall not add surface figure Zernike terms higher than second order with amplitude > 0.5 nanometers.
Coating Deposition Method	Ion Beam Sputtered
Coating Area	To Bevel
Surface 1 ***ARROWS ON OPTIC SIDE POINT TO SURFACE 1***	
Angle of Incidence	0 degrees
Surface 2	
Coating Type	Antireflection – optional for stress demonstration

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Additional Deliverables	
Layer Thickness Information	For all layers in the design: designed thicknesses, and indices of refraction at 1064 nm for both coating materials (based on individual layers).