NU-TEK Precision Optical Corporation 12C2 Technology Drive, Suites L-2 Aberdeen, MD 21001	QMSF-14585 In-Process Inspection Form Effective Date: 4/30/10	Rev 1.2
Not controlled in hard copy	Document Available Electronically QMSF-14585	

Thin Film Physics AG — Customer

11196-01 — Router

Instructions:

Step	Parameter/Comment	Final nom	Min	Max	Measurement	Insp	Date
	Diameter, Final, inch	30.315	30.276	30.355	**30.342**	cep	6/15/11
	Diameter, Final, mm, converted measurement	770.00	769.00	771.00	770.69		
	E.T. Final, inch	3.937	3.906	3.969	**3.951**	cep	6/15/11
	E.T. Final, mm, converted measurement	100.00	99.20	100.80	100.36		
	Annular ring width, Final				.405"-.410"	cep	6/15/11
	.1mm wide 10mmx10mm crosshair (sandblasted)				visual	cep	6/15/11
	Location crosshair centered to outside diameter (w/in 0.5mm)				< .010"	cep	6/15/11
	Angle of optical axis to flat annular surface (w/in 130urad)				.0015" T.I.R. optical surface to annular flat	cep	6/15/11
					which is approx ±4.9 microradians		
					which is approx ±10 arc seconds		
	Parent (747mm CA)						
	Wavefront error (P-V)			.500	**0.33**	tpm	5/19/11
	Wavefront error (RMS)				**0.04**	tpm	5/19/11
	Slope (urad)				**1.14**	tpm	5/19/11
	Quality Zone A					tpm	5/19/11
	Wavefront (P-V)				**0.20**	tpm	5/19/11
	Slope (urad)			1.0	**0.88**	tpm	5/19/11
	Quality Zone B					tpm	5/19/11
	Wavefront (P-V)				**0.16**	tpm	5/19/11
	Slope (urad)			1.0	**0.60**	tpm	5/19/11
	Focal Length, mm	1560	1550	1570	**1558.00**	tpm	5/19/11
	filename/location : C:\4D\Data\Thin Film Physics\unobstructed\hand figuring\final tests\ 0 rotate\balanced\final.h5(TS07)						