

QUALITY REPORT

PART NUMBER: C004362

DESCRIPTION: NQ-200-0656-UNC

JOB NO: 37178

CUSTOMER: UCAR

Part Serial Number	Spec.	H21377	H21378	H21379	
Finished Dimensions	2.00" +0/-.010"	PASS	PASS	PASS	
Part Thickness	0.50"	PASS	PASS	PASS	
Operating Wavelength Range	656.3	PASS	PASS	PASS	
Surface Quality (Scr/Dig)	40/20	PASS	PASS	PASS	
Clear Aperture	1.60"	PASS	PASS	PASS	
Beam Deviation	1 arc min	10.0 secs	6.92 secs	6.01 secs	
Trans. Wavefront @633 nm PV	L/5	.188	.177	.155	
Pass/Fail Reason		PASS	PASS	PASS	

Date: 9-9-21 QC Sign Jenna Tany comment: _____

No.	Date	Shop floor #	Part serial #	Filter (nm)	Part wavelength (nm)	Ret (waves)	Ret (nm)
1	9/8/2021	37178	H21377	649.1	656.3	0.2503	164.3

MEAN (waves): 0.2503

Std. dev. (waves): 0.00000

of measurements: 1

MEAN (nm): 164.3

Std. dev. (nm): 0.00

No.	Date	Shop floor #	Part serial #	Filter (nm)	Part wavelength (nm)	Ret (waves)	Ret (nm)
1	9/8/2021	37178	H21378	649.1	656.3	0.2519	165.3

MEAN (waves): 0.2519
Std. dev. (waves): 0.00000

of measurements: 1

MEAN (nm): 165.3
Std. dev. (nm): 0.00

No.	Date	Shop floor #	Part serial #	Filter (nm)	Part wavelength (nm)	Ret (waves)	Ret (nm)
1	9/9/2021	37178	H21379	649.1	656.3	0.2492	163.5

MEAN (waves): 0.2492

Std. dev. (waves): 0.00000

of measurements: 1

MEAN (nm): 163.5

Std. dev. (nm): 0.00

TWD & BD Application

Em Aperture

MEASURE

Analyze

Mask Data

Calibrate


Save Data

Load Data

Reset

Beam Dev

Angles




+0.167842

wave

-0.02989


Wedge Mag	19.76	sec
Wedge Ang	-137.26	°
Angle Err		sec
Beam Deviation	10.02946	sec
Trim	0	

Intensity Map



Measure Cntrl

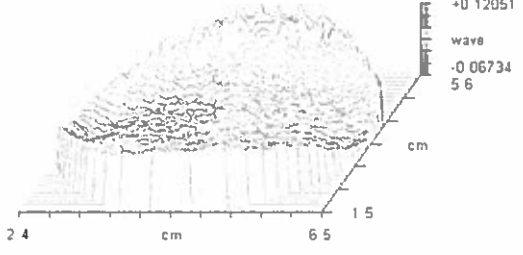
Wavefront/Surface



+0.12051

wave

-0.06734



+0.12051

wave

-0.06734

5.6

cm

1.5

cm

2.4

6.5

PV	0.188	wave
rms	0.035	wave
Power	0.064	wave
AstMag	0.13	wave
Trim	0	

Remove:

PST	TLT	PWR	AST	
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Removed:

PST	TLT
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Report

Process

VidMon(Wedge)

VidMon(Angle)

Measure Controls

Setup Type: Wedge (Trans)

Refractive Index: 1.514000

Measure Attributes

Thu Sep 09 10:40:18 2021

H21377

Setup Type: Wedge (Trans)

Refractive Index: 1.514000

Camera Res: 0.3602 mm

TWD & BD Application

Sm Aperture

MEASURE

Analyze

Mask Data

Calibrate

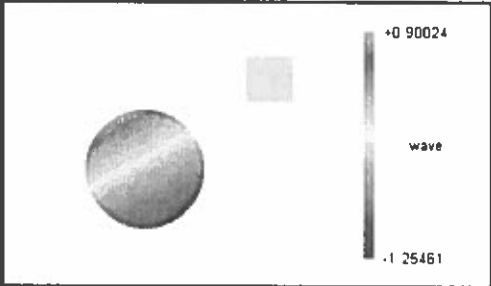
Save Data

Load Data

Reset

Beam Dev

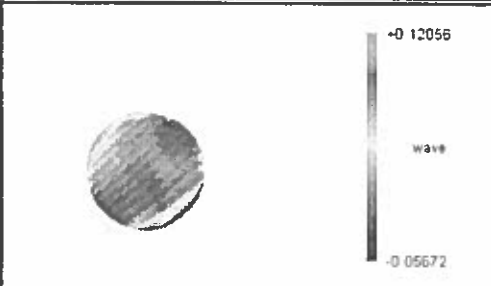
Angles



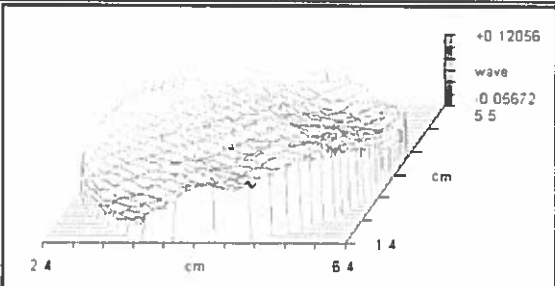
wave

Wedge Mag	13.85	sec
Wedge Ang	117.93	"
Angle Err		sec
Beam Deviation	6.92711	sec
Trim	0	

Wavefront/Surface



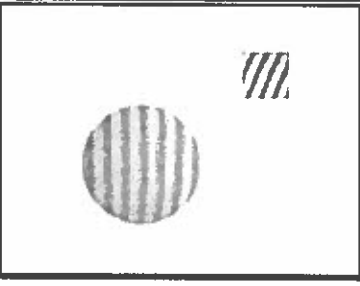
wave



cm

FV	0.177	wave	Trim	0	Remove:	PST	TLT	PWR	AST		
rms	0.028	wave			Removed:	PST	TLT				
Power	0.050	wave	AstMag	0.09	wave						

Intensity Map



Measure Controls

Report

Process

VidMon (Wedge)

VidMon (Angle)

Measure Attributes

Thu Sep 09 10:47:40 2021

H21378

Setup Type: Wedge (Trans)

Refractive Index: 1.514000

Camera Res: 0.3602 mm

TWD & BD Application

5m Aperture

MEASURE

Analyze

Mask Data

Calibrate


Save Data

Load Data

Reset

Beam Dev

Z490 Angles




+0.03734

wave

-0.29945


Wedge Mag	12.02	sec
Wedge Ang	36.00	°
Angle Err		sec
Beam Deviation	6.01016	sec
Trim	0	

Z490 Intensity Map



Measure Ctrl

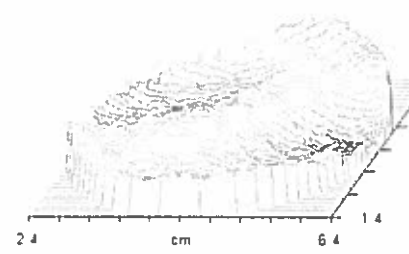
Z490 Wavefront/Surface



+0.09523

wave

-0.06017



+0.09523

wave

-0.06017

5.5

cm

2.4 6.4

PV	0.155	wave	Trim	0	Remove:	PST	TLT	PWR	AST		
rms	0.026	wave									
Power	-0.003	wave	AstMag	0.08	wave	Removed:	PST	TLT			

Report

Process

VidMon(Wedge)

VidMon(Angle)

Z490 Measure Controls

Setup Type: Wedge (Trans)

Refractive Index: 1.514000

Z490 Measure Attributes

Thu Sep 09 10:48:56 2021

H21379

Setup Type: Wedge (Trans)

Refractive Index: 1.514000

Camera Res: 0.3602 mm