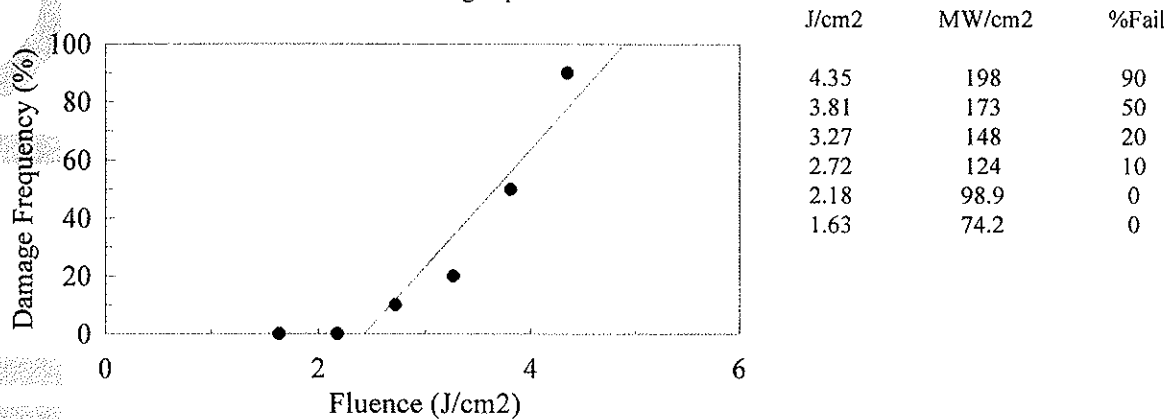


LASER DAMAGE THRESHOLD

Customer: Epner Technology Inc.
 Purchase Order Number: 42253
 Substrate Material: Unknown
 Part No.: Mirror (Epner)
 25111049/5
 Special Requirements: Per P.O.
 Wavelength (nm): 1064
 Repetition Freq. (Hz): 20
 Pulse Width (FWHM, ns): 20
 Axial Modes: Multiple
 No. Sites Tested: 60
 Damage Definition: Permanent surface change
 Preparation: Acetone methanol drag wipe

Certificate No.: 11974 #1
 Issued: Nov. 7, 2006
 Coating Type: HR@1064nm
 Lot No.: Art.NR.39633
 BSLT #1
 Spot Diam. (FW/e2, mm): 1
 Incidence Angle (deg.): 0
 Polarization State: Linear
 Transverse Modes: TEM₀₀
 No. Shots/Site: 200
 Inspection Method: Nomarski/Darkfield 150X



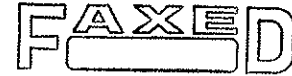
Test Results: Damage Threshold: **2.42 J/cm2** or **110 MW/cm2**
 Damage Type: Propagating pit(s) to the entrance surface

Notes: Test polished side

"Big Sky Laser Technologies, Inc., certifies that the Laser Damage Threshold of this sample was tested as shown hereon. Fluence measurement precision was plus or minus 10%, traceable to NIST. The test method was substantially in agreement with ISO 11254. Specific calibration data are maintained in this office and are available on request. We certify that this test report conforms to all applicable provisions of the purchase order."

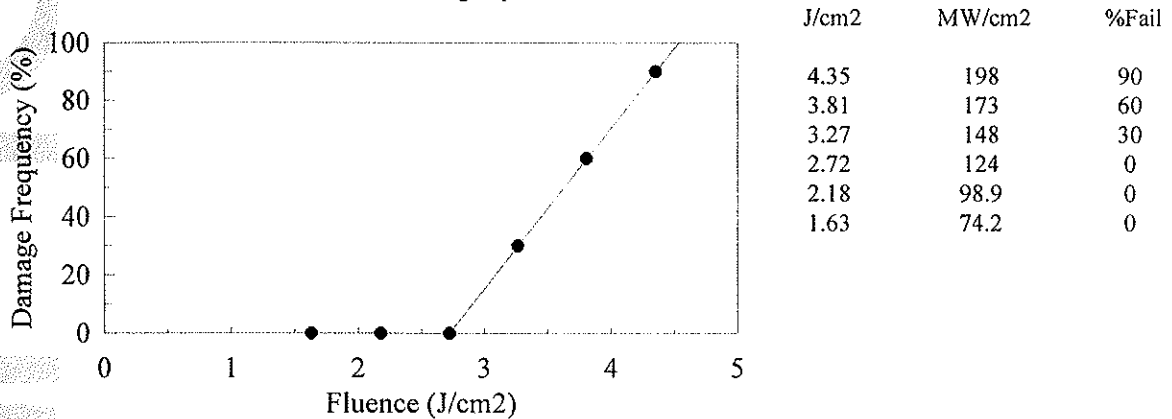
Jeff S. Runkel

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 Bozeman, MT 59715-2001
 406 586 0131
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 Form 19-F-005 Rev A



LASER DAMAGE THRESHOLD

Customer:	Epner Technology Inc.	Certificate No.:	11974 #2
Purchase Order Number:	42253	Issued:	Nov. 7, 2006
Substrate Material:	Unknown	Coating Type:	HR@1064nm
Part No.:	Mirror (Epner) 25111049/08	Lot No.:	Art.NR.39633 BSLT #2
Special Requirements:	Per P.O.		
Wavelength (nm):	1064	Spot Diam. (FW/e2, mm):	1
Repetition Freq. (Hz):	20	Incidence Angle (deg.):	0
Pulse Width (FWHM, ns):	20	Polarization State:	Linear
Axial Modes:	Multiple	Transverse Modes:	TEM ₀₀
No. Sites Tested:	60	No. Shots/Site:	200
Damage Definition:	Permanent surface change	Inspection Method:	Nomarski/Darkfield 150X
Preparation:	Acetone methanol drag wipe		



Test Results: Damage Threshold: **2.72** J/cm2 or **124** MW/cm2
 Damage Type: Propagating pit(s) to the entrance surface

Notes: Test polished side

"Big Sky Laser Technologies, Inc., certifies that the Laser Damage Threshold of this sample was tested as shown hereon. Fluence measurement precision was plus or minus 10%, traceable to NIST. The test method was substantially in agreement with ISO 11254. Specific calibration data are maintained in this office and are available on request. We certify that this test report conforms to all applicable provisions of the purchase order."

Jeff S. Runkel

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