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Title: Precision manufacturing of a lightweight mirror body made by selective laser melting

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highlights.txt

- Additive Manufacturing of optical metal mirrors offers high degree of lightweight and excellent mechanical stiffness
- Hollow structured lightweight designs with closed backside are manufacturable
- Integration of additive manufacturing into classical ultra precision manufacturing chain is demonstrated
- AlSi12 is a suitable alloy to generate lightweight and stiff metal mirrors
- Metal mirror is temporally stable for two years under ambient conditions

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