

Abstract Submitted
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Characterization of the Throughout of Short Fiber-Optic Arrays as a Function of the Angle of Incidence JULIA BLACKBURN — An instrument was constructed to measure the light distribution at the back of a thin fiber-optic array as a function of the angle of incidence and the location at which the incoming 633 nm light strikes a fiber. The f-number of the incoming light is 10 and the diameter of the focal spot is 8 microns. The input optics are mounted on a rail that rotates in such a manner that the focal location remains fixed. Images of the light distribution at the back of the array are recorded using a 12-bit 2.5 megapixel camera. Data recorded using commercial face plates is presented.

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