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About Us

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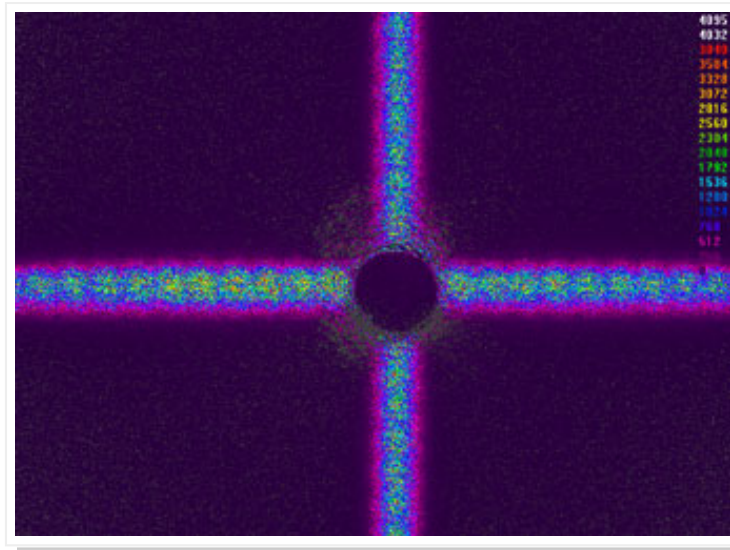
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Optical Density and Transmission

Measurement of reflective surfaces or absorbing materials is often difficult using standard spectrophotometric techniques. Spica Technologies maintains laser based measurement systems which can accurately determine the transmission, reflection or absorption of optical components at any of our standard wavelengths. The use of a laser allows measurements independent of sample size, refractive power, angle of incidence, and polarization. Measurements can also be made over an extremely broad dynamic range, including optical densities in excess of 8.0. Common applications for this test service include the measurement and certification of laser eyewear, measurement of high and partially reflective coatings, and measurement of AR coated surfaces.



	Pulsed	CW
11.5 μm		
10.6 μm		
9.2 μm		
2.9 μm		
2.1 μm		
1570 nm		
1540 nm		
1064 nm		
1053 nm		
532 nm		
355 nm		
266 nm		
246 nm		
143 nm		
157 nm		