

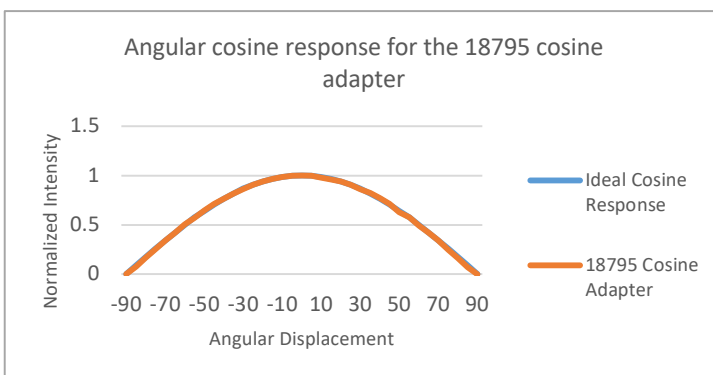
## Model 17895 Cosine Adapter for GS-1220 Series RadOMA



The model 17895 Cosine Adapter provides diffuse optical collection for the GS-1220 Series RadOMA for irradiance and radiance calibration use. The internal PTFE coated mini-sphere provides better than 98% reflectance throughout the visible portion of the spectrum, and the unit delivers better than 95% fit to an ideal cosine response to  $\pm 75^\circ$ . An optional baffle tube excludes stray light when used in goniometric systems, and mounting is via either an M5 or  $\frac{1}{4}$ -20 post.

Our wide range of light measurement instrumentation is complemented by ISO/IEC 17025 accreditation by NVLAP (NVLAP lab code 200823-0), resulting in unmatched performance and custom configuration as required.

- 1cm<sup>2</sup> knife-edge aperture for precise input control
- ~99% average reflectance from 400 – 700nm, and  $\geq 98\%$  across the visible spectrum
- Angular cosine response fits within 5% out to 75 degrees from incident
- Can perform UV, visible, and IR calibrations
- Interior middle baffle with a false flat front to reduce reflected light
- Optional baffle tube for exclusion of stray light for use in goniometry
- Fiber adapter designed to fit the GS-1220 series and GS-1290 series RadOMAs
- M5 and  $\frac{1}{4}$ -20 threading at the poles for easy mounting on a post



Shown with fiber end inserted from GS-1220 (left), and baffle tube (right), for use with goniometric measurement systems