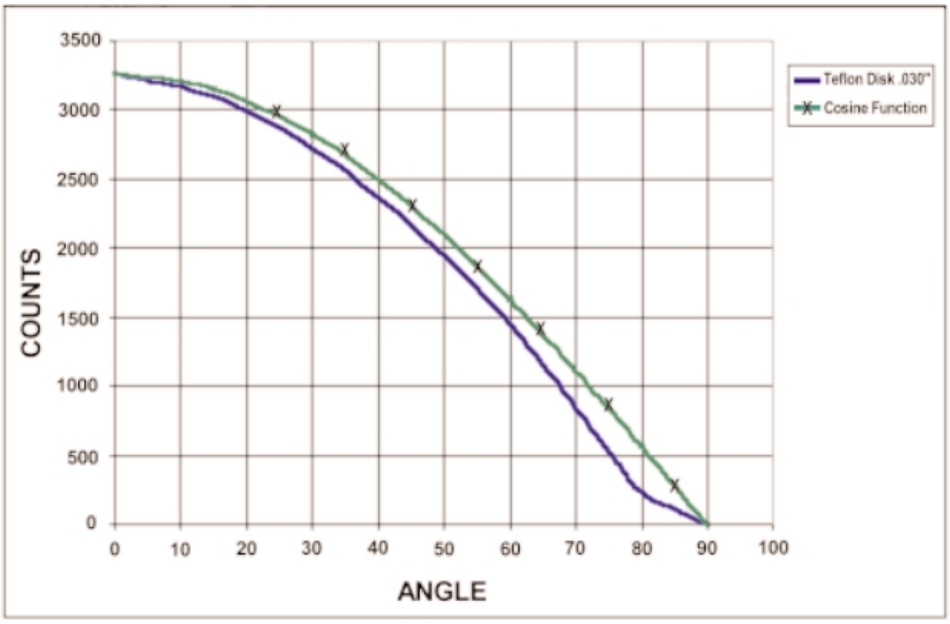
CC-3 Cosine-corrected Irradiance Probes

The **CC-3 COSINE-CORRECTED IRRADIANCE PROBES** are spectroradiometric sampling optics designed to collect radiation (light) from a 180° field of view, thus eliminating light collection interface problems inherent to other sampling devices. The **CC-3 COSINE-CORRECTOR** (300-1000 nm) has glass diffusing material. The **CC-3-UV COSINE-CORRECTOR** (200 nm to 2 µm) has Teflon® diffusing material. The diffusing material is a thin disk that sits at the end of the barrel (the Teflon material is 0.30" thick). Both cosine correctors have a 0.25" OD barrel with a smooth yet rugged black oxide finish.

Operation

Both cosine correctors have SMA 905 connectors for convenient coupling to optical fibers. Screw the CC-3 or CC-3-UV onto the end of any SMA-terminated optical fiber, and the combination becomes a cosine-corrected irradiance probe. When coupled to a spectrometer, these irradiance probes can be used to measure UV-A and UV-B solar radiation, environmental light fields, lamps and other emission sources.

CC-3-UV Cosine Corrector -- Function Test



Specifications

Diffusing material:	Opaline glass or Teflon
Barrel dimension:	0.25" OD
Sampling geometry:	accepts light at/from 180° FOV
Connector:	SMA 905