

Laboratory Establishment

Steve Coyne



USD Costs of a establishing a lab

Excludes:

- ❑ Land & building
- ❑ Utility costs (electricity)
- ❑ Management staff
- ❑ Equipment upgrades
- ❑ Repair & maintenance
- ❑ External training of staff

Note: major test equipment items vary significantly between manufacturers.

Items	National lab
A: Initial Setup costs	
Far field goniophotometer	\$ 250,000.00
Near field goniophotometer	\$ 25,000.00
Illuminance meter	\$ 5,000.00
Integrating sphere (spectral)	\$ 30,000.00
Luminance meter & Tile	\$ 15,000.00
Power supplies	\$ 30,000.00
Environment chamber (temperature & humidity)	\$ 70,000.00
Salt chamber	\$ 60,000.00
2 staff for 6 months setup	\$?? .00
External Calibrations	\$ 10,000.00
Accreditation registration	\$ 5,000.00
Initial Total	\$ 500,000.00 +
B: Annual Maintaining of Accreditation Costs	
Accreditation registration	\$ 5,000.00
External Calibrations	\$ 10,000.00
Internal calibrations etc: 2 staff @ 20% of time	\$?? .00
Annual Total	\$ 15,000.00 +

