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WESTON ILLUMINATION METER MODEL 756

VISUAL AND COSINE CORRECTED

This instrument indicates Illumination on the surface of the light target. Calibration is based upon the New Candle established by the International Committee on Weights and Measures and adopted by the National Bureau of Standards on January 1, 1948. By means of Visual and Cosine Correction Filters the meter is corrected to the Luminosity Curve adopted by the International Commission on Illumination and to Lambert's Cosine Law of Illumination.

The meter can be used without corrections for the measurement of tungsten light, fluorescent light of various colors, etc. No corrections are necessary when measuring oblique light from one or more sources.

DIRECTIONS FOR USE:

1. Set to the range desired by means of the selector switch.
2. To measure the illumination of any surface, place the light target on or near the surface and parallel to it.
3. To measure the maximum illumination at any point from a luminous source, place the light target perpendicular to the direction of the light rays.
4. The indications are practically unaffected by changes in external temperature.

CAUTION:

The instrument should be handled carefully and protected from excessive vibration and shock. To prevent excessive heating of the light target, it should not be exposed to intense radiation containing a large proportion of heat rays longer than necessary to obtain a reading.

WESTON INSTRUMENTS & ELECTRONICS

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