



WSDOT Test Method T 314

Method of Test for Photovolt Reflectance

1. Scope

- a. This method covers the determination of the 45-degree, 0-degree directional reflectance factor of nonfluorescent opaque specimens by means of a filter photometer.

2. Apparatus

- a. Photovoltmeter/reflectometer conforming to ASTM E 1347.
- b. Calibrated standard plaques.
- c. Black plastic film canister.
- d. Filters.

3. Procedure

- a. Reflectometer Calibration
 1. Warm up the reflectometer for 30 minutes before use.
 2. Calibrate and zero the reflectometer, Photovolt Model 577 or equivalent per ASTM E 1347, according to the manufacturer's User Manual.
 - a. Select standard plaque for calibration that is slightly higher than the expected percent reflectance of the samples.
- b. Reflectance Determination
 1. For testing lane markers, move the unit to determine an average reading. Recheck the standard plaque reading and the zero reading between each sample measurement.
 2. Report
 - a. Report the average result of all readings for a sample to the nearest percent.

