



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.

