### **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.