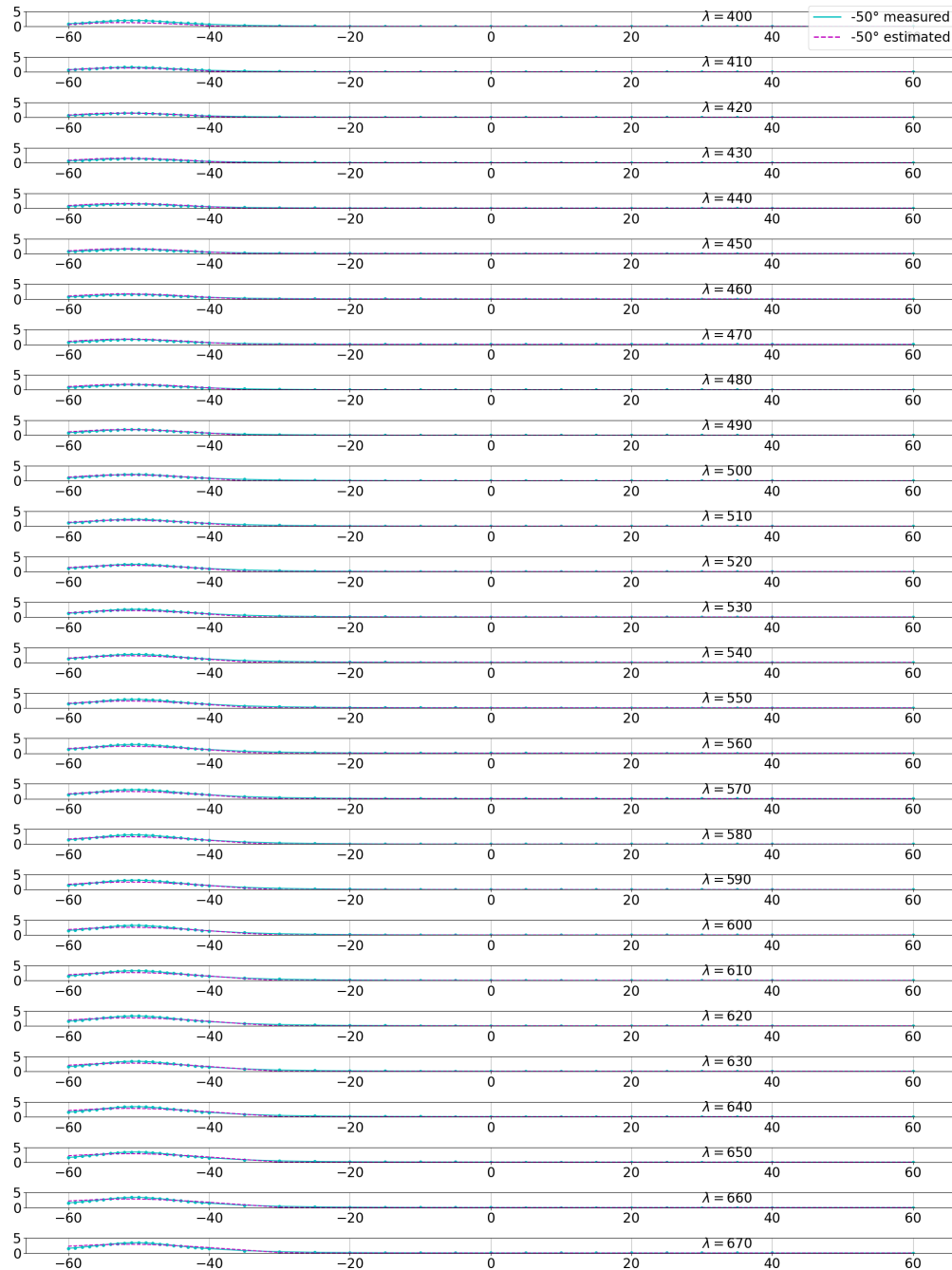
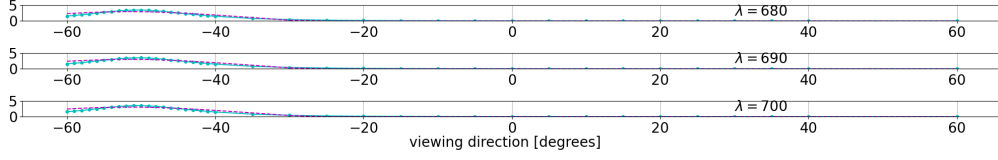


# Spectral BRDF Simplification: Supplemental Document

## 1. VISUAL PLOTS

Similar to the paper (Section 3.1.1), we have BRDF plots across wavelengths for the packaging print material *Gold* (Figures S1).

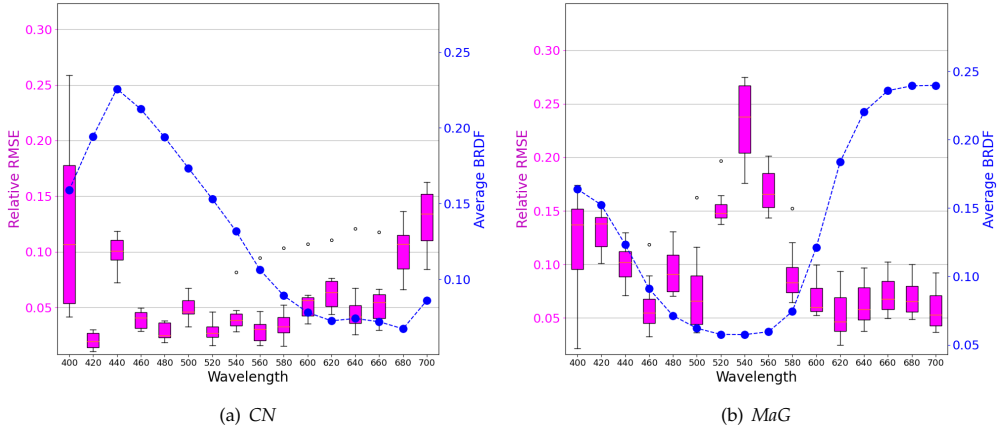




**Figure S1.** Measured and predicted spectral BRDF for 31 wavelengths of the *Gold* packaging material. The incident angle chosen was  $\theta_i = -50^\circ$ .

## 2. QUANTITATIVE PLOTS

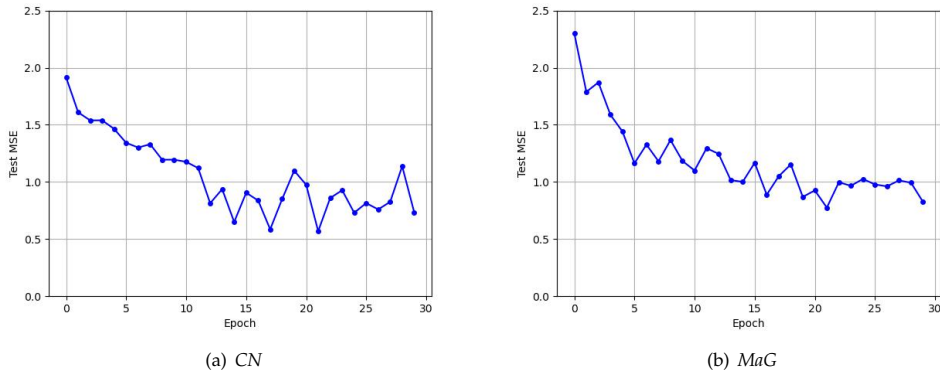
We follow the relative-rmse error metric and get a spectral boxplot for the packaging print materials (Figure S2).



**Figure S2.** Box-and-whisker plots showing relative RMSE for the packaging print materials *CN* (left) and *MaG* (right) across wavelengths. Only test data (see Table 1 in the main paper) is used to calculate the error metric.

## 3. CONVERGENCE PLOTS

During MLP training, mean squared error plots are generated for the *CN* and *MaG* materials on the test set (Figure S3) similar to Section 3.2 in the main paper.



**Figure S3.** Mean squared error plots on the test set as the MLP training progresses for the packaging print materials *CN* (left) and *MaG* (right). Only test data (see Table 1 in the main paper) is used to calculate the error metric.