



#### TRAINING SUMMARY (Epochs: 40)

##### LOSS REDUCTION:

Initial: 8.5452

Final: 0.5767

Change: -93.3%

##### CLASSIFICATION IMPROVEMENT:

50-class: +47.0 points

100-class: +46.0 points

200-class: +40.0 points

##### BEST PERFORMANCE (Epoch 40):

200-class Acc: 44.0%

##### RETRIEVAL PERFORMANCE (Final):

v2: 98.0%

v100: 53.5%

v100 Top-5: 84.0%

Figure 3: Performance summary of EEG classification/retrieval model. The model shows differential performance across classification scales (50, 100, 200 classes) and retrieval set sizes (v2-v100), with smaller scales and sets yielding higher accuracy.