$$L_{id}(G_{s2o}, G_{o2s}) = \lambda_{s2o}\mathbb{E}_{sar\sim p_{data}(sar)}[||G_{s2o}(sar) - sar||_1] + \lambda_{o2s}\mathbb{E}_{opt\sim p_{data}(opt)}[||G_{o2s}(opt) - opt||_1]$$