

Motivation and Problem

The ideal reproduction for archiving occurs, if the loop:

1. ISO-standard file \rightarrow ISO print \rightarrow ISO scan \rightarrow ISO file is closed, and the *rgb** values in the *start and final file are equal*.
2. ISO-standard print \rightarrow ISO scan \rightarrow ISO file \rightarrow ISO print is closed, and the *LCh** values in the *start and final print are equal*.

Both goals are approximately possible, if the output linearization method *OLM₁₆* is applied, see

Richter, 2016, Output linearization method OLM16 for displays, printers and offset:
http://farbe.li.tu-berlin.de/OUTLIN16_01.PDF (similar to CIE R8-09:2015)