

# ISO 5-3:2009-12 (E)

## Photography and graphic technology - Density measurements - Part 3: Spectral conditions

---

Contents	Page
Foreword .....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 Requirements .....	3
4.1 General .....	3
4.2 Influx spectrum .....	3
4.3 Types of instruments .....	5
4.4 Spectral products .....	5
4.5 Computation of ISO 5 standard density from spectral data .....	6
4.6 Sample conditions .....	6
4.7 Reference standards .....	6
5 Notation .....	7
6 Types of ISO 5 standard density .....	7
6.1 ISO 5 standard visual density .....	7
6.2 ISO 5 standard printing density .....	7
6.3 ISO 5 standard status A density .....	8
6.4 ISO 5 standard status M density .....	9
6.5 ISO 5 standard status T density .....	9
6.6 ISO 5 standard status E density .....	9
6.7 ISO 5 standard narrow-band density .....	10
6.8 ISO 5 standard status I density .....	10
6.9 ISO 5 standard type 3 density .....	11
7 Spectral conformance, repeatability, stability and bias .....	11
7.1 Spectral conformance .....	11
7.2 Repeatability, stability and bias .....	11
Annex A (normative) Reference tables of spectral products and weighting factors .....	25
Annex B (normative) Computation of ISO 5 standard density from spectral data .....	26
Annex C (informative) Method used to derive spectral weighting factors based on historical spectral product data .....	28
Annex D (informative) Method used to derive abridged spectral weighting factors from 1 nm reference spectral product data .....	29
Annex E (informative) Plots of relative spectral power distributions for influx spectra, and spectral products for ISO 5 standard density .....	33
Annex F (informative) Spectral conformance .....	40
Bibliography .....	41