

ISO 14490-5:2005-10 (E)

Optics and optical instruments - Test methods for telescopic systems - Part 5: Test methods for transmittance

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	1
5	Test arrangement	2
5.1	General	2
5.2	Source of radiation and condenser	2
5.3	Monochromator or set of filters	2
5.4	Collimator	3
5.5	Aperture stop	3
5.6	Specimen mounting	3
5.7	Veiling glare stop	3
5.8	Integrating sphere	3
5.9	Radiation detector	3
6	Procedure	3
6.1	Preparation of the test assembly	3
6.2	Determination of the measurement values	4
6.3	Further test methods	4
7	Precision of the measurement	4
8	Presentation of the results	4
9	Analysis	4
9.1	Effective transmittance for photopic vision	4
9.2	Effective transmittance for scotopic vision	5
10	Test report	5
Annex A (informative) Calibration procedure for the photoreceiver/measuring instrument		6
Annex B (informative) Trichromatic coefficients and colour contribution index		9
Bibliography		12