



BSI Standards Publication

Optics and photonics — Preparation of drawings for optical elements and systems — Surface imperfection specification and measurement systems

National foreword

This Published Document is the UK implementation of ISO/TR 21477:2017.

The UK participation in its preparation was entrusted to Technical Committee CPW/172, Optics and Photonics.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2017
Published by BSI Standards Limited 2017

ISBN 978 0 580 93616 6

ICS 37.020

Compliance with a British Standard cannot confer immunity from legal obligations.

This Published Document was published under the authority of the Standards Policy and Strategy Committee on 30 September 2017.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

Optics and photonics — Preparation of drawings for optical elements and systems — Surface imperfection specification and measurement systems

Optique et photonique — Préparation des plans pour les éléments et systèmes optiques — Spécification des imperfections de surface et systèmes de mesure





COPYRIGHT PROTECTED DOCUMENT

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General discussion of surface imperfection specification and measurement systems	1
5 Dimensional system of surface imperfection specifications	2
5.1 General.....	2
5.2 Origin of the dimensional system.....	2
5.3 Dimensional comparison standard.....	2
6 Visibility system of surface imperfection specifications	2
6.1 General.....	2
6.2 Origin of the visibility system.....	3
6.3 Brightness comparison standard.....	3
7 Comparison of visibility and dimensional specifications	3
Bibliography	5