

---

---

## Erythema reference action spectrum and standard erythema dose

*Spectre d'action érythémale de référence et dose érythémale  
normalisée*

iTeh Standards  
(<https://standards.iteh.ai>)  
Document Preview

ISO/CIE 17166:2019

<https://standards.iteh.ai/catalog/standards/iso/ef93b603-8abc-4d3e-90e9-4ae0137275f0/iso-cie-17166-2019>

**iTeh Standards**  
**(<https://standards.iteh.ai>)**  
**Document Preview**

ISO/CIE 17166:2019

<https://standards.iteh.ai/catalog/standards/iso/ef93b603-8abc-4d3e-90e9-4ae0137275f0/iso-cie-17166-2019>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO/CIE 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, 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  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

CIE Central Bureau  
Babenbergerstraße 9/9A  
A-1010 Vienna, Austria  
Phone: +43 1 714 3187  
Fax: +41 22 749 09 47  
Email: [ciecb@cie.co.at](mailto:ciecb@cie.co.at)  
Website: [www.cie.co.at](http://www.cie.co.at)

# Contents

|                                                        | Page      |
|--------------------------------------------------------|-----------|
| <b>Foreword</b> .....                                  | <b>iv</b> |
| <b>Introduction</b> .....                              | <b>v</b>  |
| <b>1 Scope</b> .....                                   | <b>1</b>  |
| <b>2 Normative references</b> .....                    | <b>1</b>  |
| <b>3 Terms and definitions</b> .....                   | <b>1</b>  |
| <b>4 Concept of erythema irradiance and dose</b> ..... | <b>3</b>  |
| 4.1 Erythema irradiance .....                          | 3         |
| 4.2 Erythema spectral weighting function .....         | 4         |
| 4.3 Standard erythema dose .....                       | 4         |
| <b>Bibliography</b> .....                              | <b>5</b>  |

iTeh Standards  
(<https://standards.iteh.ai>)  
Document Preview

[ISO/CIE 17166:2019](https://standards.iteh.ai/catalog/standards/iso/ef93b603-8abc-4d3e-90e9-4ae0137275f0/iso-cie-17166-2019)

<https://standards.iteh.ai/catalog/standards/iso/ef93b603-8abc-4d3e-90e9-4ae0137275f0/iso-cie-17166-2019>