

ISO 8995-1 :2002-05 (E)

Lighting of work places_ - Part 1: Indoor

Table of contents

- FOREWORD III
- INTRODUCTION 1
- 1. SCOPE 1
- 2. NORMATIVE REFERENCES..... 1
- 3. DEFINITIONS 2
- 4. LIGHTING DESIGN CRITERIA 2
 - 4.1 Luminous environment..... 2
 - 4.2 Luminance distribution 3
 - 4.3 Illuminance..... 3
 - 4.3.1 Recommended illuminances at the task area 3
 - 4.3.2 Scale of illuminance. 4
 - 4.3.3 Illuminances of immediate surroundings 4
 - 4.3.4 Uniformity 4
 - 4.4 Glare..... 5
 - 4.4.1 Shielding against glare..... 5
 - 4.4.2 Discomfort glare..... 5
 - 4.4.3 Veiling reflections and reflected glare 6
 - 4.5 Directionality 6
 - 4.5.1 Modelling 6
 - 4.5.2 Directional lighting of visual tasks..... 6
 - 4.6 Colour aspects 6
 - 4.6.1 Colour appearance..... 7
 - 4.6.2 Colour rendering 7
 - 4.7 Daylight..... 7
 - 4.8 Maintenance 8
 - 4.9 Energy considerations..... 8
 - 4.10 Lighting of workstations with visual display terminals VDT 8
 - 4.11 Flicker and stroboscopic effect..... 8
 - 4.12 Emergency lighting..... 9
- 5. SCHEDULE OF LIGHTING REQUIREMENTS 9
- 6. VERIFICATION PROCEDURES 17
 - 6.1 Illuminance..... 17
 - 6.2 Unified glare rating..... 17
 - 6.3 Colour rendering index (R_a)..... 17
 - 6.4 Colour appearance (T_{cp})..... 17
 - 6.5 Maintenance 17
 - 6.6 Luminaire luminance..... 17
 - 6.7 Tolerances in measurements 18