# DIN EN ISO 18490:2026-08 (E)

## Non-destructive testing - Evaluation of vision acuity of NDT personnel (ISO 18490:2026)

## Contents

Page


**Foreword** ... **iv**

**Introduction** ... **vi**

**1 Scope** ... **1**

**2 Normative references** ... **1**

**3 Terms and definitions** ... **1**

**4 Chart print quality and marking** ... **2**

**5 Health and safety requirements** ... **2**

**6 Personnel administering the test** ... **2**

**7 Near and Far Vision Test charts** ... **3**

**8 Test procedure** ... **3**

8.1 General ... 3

8.2 Eye to chart distance ... 3

8.3 Vision Correction ... 3

8.4 Tests ... 4

8.4.1 General ... 4

8.4.2 Near and Far Guidance ... 4

**9 Acceptance levels** ... **5**

**Annex A** (informative) **Radner Chart (Not to scale)** ... **6**

**Annex B** (informative) **Snellen Chart (Not to scale)** ... **7**

**Annex C** (informative) **Landolt Chart (Not to scale)** ... **8**

**Annex D** (informative) **Ishihara Chart (Not to Scale)** ... **9**

**Annex E** (informative) **Sample Colour Trade Test Exam** ... **10**

**Annex F** (informative) **Corresponding Reading Acuity Notations for Test Distances of 40 cm (16 inches) and 32 cm (12.5 inches)** ... **13**

**Annex G** (informative) **Grey Scale Perception Testing** ... **14**

**Annex H** (informative) **Low Contrast Visual Acuity** ... **15**

**Annex I** (informative) **Verification of Trained Professional** ... **16**

**Bibliography** ... **18**