

Test for the visual linearized output of pictures A1Wdd to A3Wdd Yes/No
Output test with the computer display () or the external display ()

Test of the radial grating according to picture A1Wdd Yes/No
 N-W-radial grating: Is the resolution diameter < 6 mm? Yes/No

Test with magnifying glass (e.g. 6x) resolution diameter mm

W-N-radial grating: Is the resolution diameter < 6 mm? Yes/No
 Test with magnifying glass (e.g. 6x) resolution diameter mm

N-Z-radial grating: Is the resolution diameter < 6 mm? Yes/No
 Test with magnifying glass (e.g. 6x) resolution diameter mm

W-Z-radial grating: Is the resolution diameter < 6 mm? Yes/No
 Test with magnifying glass (e.g. 6x) resolution diameter mm

Test of 5 visual equidistant L*-grey steps according to picture A2Wdd Yes/No
 Are the 5 steps on the upper rows distinguishable?

If No: How many steps can be distinguished? of the given 5 steps: Steps

Test of 16 visual equidistant L*-grey steps according to picture A3Wdd Yes/No
 Are the 16 steps on the upper rows distinguishable?

If No: How many steps can be distinguished? of the given 16 steps: Steps

part 1 AE830-3, dd: 00301

Test for the visual linearized output of pictures D1Wdd to D3Wdd
Output test with the computer display () or the external display () please mark by (x)!

Test of the (flower) image according to picture D1Wdd Yes/No
 Are clear (immediately conspicuous) differences recognized between reproduction and test chart?

Subjective remarks about the colour reproduction of the (flower) image, the CIE-test colours and the 16 grey steps within the image, for example "less contrast":

Test of the resolution of radial gratings W-R_g W-G_g W-B_g according to picture D2Wdd
 Is the resolution diameter < 6 mm? Yes/No

Test with magnifying glass (6x), Resolution diameter: Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No
 mm mm mm mm mm

Test of the 14 CIE-test colours according to picture D3Wdd Yes/No
 Are clear (immediately conspicuous) differences recognized between reproduction and test chart?

If Yes: How many colours have clear differences? of the given 14 steps: Steps

Test of 16 visual equidistant L*-grey steps according to picture D3Wdd Yes/No
 Are the 16 steps on the upper rows distinguishable?

If No: How many steps can be distinguished? of the given 16 steps: Steps

part 1 AE830-7, dd: 00301

TUB test chart AE83; Questions for display output
 Eight contrast steps, and illuminances 500 lux of displays

Test for the visual linearized output of pictures B1Wdd to B3Wdd
Output test with the computer display () or the external display () please mark by (x)!

Test of the (flower) image according to picture B1Wdd Yes/No
 Are clear (immediately conspicuous) differences recognized between reproduction and test chart?

Subjective remarks about the colour reproduction of the (flower) image, the CIE-test colours and the 16 grey steps within the image, for example "less contrast":

Test of the resolution of radial gratings W-C_g W-M_g W-Y_g according to picture B2Wdd

Is the resolution diameter < 6 mm? Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No
 Test with magnifying glass (6x), Resolution diameter: W-C_g W-M_g W-Y_g mm mm mm mm mm

Test of the 14 CIE-test colours according to picture B3Wdd Yes/No
 Are clear (immediately conspicuous) differences recognized between reproduction and test chart?

If Yes: How many colours have clear differences? of the given 14 steps: Steps

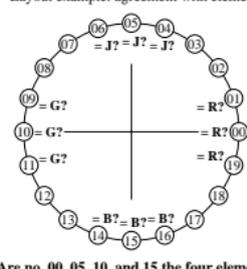
Test of 16 visual equidistant L*-grey steps according to picture B3Wdd Yes/No
 Are the 16 steps on the upper rows distinguishable?

If No: How many steps can be distinguished? of the given 16 steps: Steps

part 1 AE831-3, dd: 00301

Agreement with elementary hues (Yes/No decision)

Layout example: agreement with elementary hues



There are four elementary hues on each page: Red R, Yellow J (=french jaune), Green G, and Blue B.

Input data 1 0 0 should produce Red R.
 Input data 0 1 0 should produce Green G.
 Input data 0 0 1 should produce Blue B.
 Input data 1 1 0 should produce Yellow J.

The elementary hues Red R and Green G should locate on the horizontal axis.
 The elementary hues Yellow J and Blue B should locate on the vertical axis.

This test uses a hue circle with 20 hues.

No. 00 and 10 should be Red R and Green G.
 No. 05 and 15 should be Yellow J and Blue B.

Are no. 00, 05, 10, and 15 the four elementary hues R, J, G and B? underline: Yes/No

Only in case of "No":

Elementary Red R is hue step no. (e. g. 00, 01, 19) (neither yellowish nor blueish)
 Elementary Yellow J is hue step no. (e. g. 05, 04, 06) (neither reddish nor greenish)
 Elementary Green G is hue step no. (e. g. 10, 09, 11) (neither yellowish nor blueish)
 Elementary Blue B is hue step no. (e. g. 15, 14, 16) (neither reddish nor greenish)
 Result: Of the 4 elementary hues (e.g. three) are at the intended location

part 1 AE831-7N-030-1

input: w/rgb/cmyk -> rgb-
 output: no change

see similar files: http://farbe.li.tu-berlin.de/AE83/AE83.HTM
 technical information: http://farbe.li.tu-berlin.de/~farbmetrik/

TUB registration: 20181001-AE83/AE83L0N1.TXT /PS
 application for measurement of display output

TUB material: code=thata