

Test for the visual linearized output of pictures B1Wde to B3Wde

Output test with the computer display () or the external display () please mark by (x)!

Test of the (flower) image according to picture B1Wde

Are clear (immediately conspicuous) differences recognized between reproduction and test chart? **Yes/No**
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 $W-C_d$, $W-M_d$, $W-Y_d$ according to picture B2Wde

	$W-C_d$	$W-M_d$	$W-Y_d$	$W-N$	$W-Z$
Is the resolution diameter < 6 mm?	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Test with magnifying glass (6x), Resolution diameter: mm mm mm mm mm

Test of the 14 CIE-test colours according to picture B3Wde

Are clear (immediately conspicuous) differences recognized between reproduction and test chart? **Yes/No**
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 B3Wde

Are the 16 steps on the upper rows distinguishable? **Yes/No**
If No: How many steps can be distinguished? of the given 16 steps: **..... Steps**

part 1 AE270-3de: 11001

Documentation of file format, hardware and software for this test:

PDF file: http://farbe.li.tu-berlin.de/AE27/AE27F0NX_CYN8_1.PDF **underline Yes/No**

PS file: http://farbe.li.tu-berlin.de/AE27/AE27F0NX_CYN8_1.PS or **underline Yes/No**

Used computer operating system:

either one of Windows/Mac/Unix/other and version:.....

This evaluation is for the device output: **underline monitor/data projector/printer**

Device model, driver and version:.....

Device output with PDF/PS-file: **underline PDF/PS-file**

For device output with PDF-file AE27F0NX_CYN8_1.PDF

either PDF-file transfer "download, copy" to PDF device.....
or with computer system interpretation by "Display-PDF":.....
or with software. e. g. Adobe-Reader/-Acrobat and version:.....
or with software e. g. Ghostscript and version:.....

For device output with PS-file AE27F0NX_CYN8_1.PS

either PS-file transfer "download, copy" to PS device.....
or with computer system interpretation by "Display-PS":.....
or with software e. g. Ghostscript and version:.....
or with software e. g. Mac-Yap and version:.....

Special remarks: Special remarks, e. g. output of Landscape (L)
.....
.....

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Form A: Test chart AE27 according to test chart 2 of ISO/IEC 15775 input: *rgb/cmy0/000n/w set...*
chromatic test chart *CMYK* output: *->rgb_{de} setrgbcolor*

Test of 16 visually equally spaced steps of the colour rows $W-C_d$, $W-M_d$, $W-Y_d$, and $W-N$ according to picture B4Wde

Colour row	Are all the 16 steps distinguishable?	Yes/No
$W-C_d$ White – Cyanblue:	If No: How many steps can be distinguished? of the given 16 steps Steps
$W-M_d$ White – Magentared:	If No: How many steps can be distinguished? of the given 16 steps Steps
$W-Y_d$ White – Yellow:	If No: How many steps can be distinguished? of the given 16 steps Steps
$W-N$ White – Black:	If No: How many steps can be distinguished? of the given 16 steps Steps

Test of characters and Landolt-rings in four sizes according to picture B5Wde

Is the recognition frequency > 50% for letters (17 from 32 at least) and for Landolt-rings (minimum 5 of 8)?

Relative size	Letters	Ring N	Ring C_d	Ring M_d	Ring Y_d
10	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
8	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
6	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
4	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No

Test of recognition frequency of Landolt-rings $W-C_d$, $W-M_d$, $W-Y_d$, and $W-N$ according to pictures B6Wde, and B7Wde

Is the recognition frequency of the Landolt-rings > 50% (min. 5 of 8 at least)?

Colour row $W-C_d$ background – ring	Colour row $W-M_d$ background – ring	Colour row $W-Y_d$ background – ring	Colour row $W-N$ background – ring
0 – 1 Yes/No	0 – 1 Yes/No	0 – 1 Yes/No	0 – 1 Yes/No
7 – 8 Yes/No	7 – 8 Yes/No	7 – 8 Yes/No	7 – 8 Yes/No
E – F Yes/No	E – F Yes/No	E – F Yes/No	E – F Yes/No
2 – 0 Yes/No	2 – 0 Yes/No	2 – 0 Yes/No	2 – 0 Yes/No
8 – 6 Yes/No	8 – 6 Yes/No	8 – 6 Yes/No	8 – 6 Yes/No
F – D Yes/No	F – D Yes/No	F – D Yes/No	F – D Yes/No

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Documentation of assessor colour vision properties for visual assessment

The assessor has **normal** colour vision according to one test: **underline Yes/No**
either according to DIN 6160:1996 with Anomaloskop of Nagel **underline Yes/unknown**
or with test charts using colour points according to Ishihara **underline Yes/unknown**
or tested with, please specify: **underline Yes/unknown**

For visual evaluation of the display (monitor, data projector) output

Office workplace illumination is daylight (clouded/north sky) **underline Yes/No**

PDF file: http://farbe.li.tu-berlin.de/AE27/AE27F0PX_CYN8_3.PDF **underline Yes/No**

PS file: http://farbe.li.tu-berlin.de/AE27/AE27F0PX_CYN8_3.PS **underline Yes/No**

Picture A7de contrast range: (>F:0) (F:0) (D:0) (C:0) (A:0) (9:0) (7:0) (5:0) (3:0) (<3:0)

compare standard print output according to ISO/IEC 15775 with range F:0 **underline range**

Remark: In daylighted offices the contrast range is in many cases:
on display between: >F:0 and E:0 (monitor), D:0 and 3:0 (data projector)

Only for optional colorimetric specification with PDF/PS file output

PDF file: http://farbe.li.tu-berlin.de/AE27/AE27F0PX_CYN8_3.PDF

picture A7de **underline Yes/No**

PS file: http://farbe.li.tu-berlin.de/AE27/AE27F0PX_CYN8_3.PS

picture A7de or **underline Yes/No**

colour measurement and specification for:

CIE standard illuminant D65, 2 degree observer, CIE 45/0 geometry: **underline Yes/No**

If No, please give other parameters:

Colorimetric specification for 17 step colours of <http://farbe.li.tu-berlin.de/OE70/OE70L1NP.PDF>

Exchange of CIELAB data in file <http://farbe.li.tu-berlin.de/AE82/AE82L0NP.TXT> and transfer of the PS file AE82L0NP.PS (= .TXT) to the PDF-file AE82L0NP.PDF **underline Yes/No**

If No, please describe other method:

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TUB Registration: 20191001-AE27/AE27L0FA.TXT /PS
application for measurement or viewing of the output on display and print

TUB material: code=th4ta