

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: 10301

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

**PDF file:** [http://farbe.li.tu-berlin.de/AE27/AE27F0NX\\_CY8\\_1.PDF](http://farbe.li.tu-berlin.de/AE27/AE27F0NX_CY8_1.PDF) **underline Yes/No**

**PS file:** [http://farbe.li.tu-berlin.de/AE27/AE27F0NX\\_CY8\\_1.PS](http://farbe.li.tu-berlin.de/AE27/AE27F0NX_CY8_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\_CY8\_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\_CY8\_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)  
 .....  
 .....  
 .....

part 3

AE270-7Nde-10301

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<sub>de</sub> 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

	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:	Are all the 16 steps distinguishable?	<b>Yes/No</b>
	If No: How many steps can be distinguished? of the given 16 steps	..... Steps
$W-Y_d$ White – Yellow:	Are all the 16 steps distinguishable?	<b>Yes/No</b>
	If No: How many steps can be distinguished? of the given 16 steps	..... Steps
$W-N$ White – Black:	Are all the 16 steps distinguishable?	<b>Yes/No</b>
	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
7 – 8	Yes/No	7 – 8	Yes/No
E – F	Yes/No	E – F	Yes/No
2 – 0	Yes/No	2 – 0	Yes/No
8 – 6	Yes/No	8 – 6	Yes/No
F – D	Yes/No	F – D	Yes/No

part 2

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**Documentation of assessor colour vision properties for visual assessment**

The assessor has **normal** colour vision according to one test:  
 either according to DIN 6160:1996 with Anomaloskop of *Nagel*  
 or with test charts using colour points according to *Ishihara*  
 or tested with, please specify: .....

**underline Yes/No**  
**underline Yes/unknown**  
**underline Yes/unknown**  
**underline Yes/unknown**

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

Office workplace illumination is daylight (clouded/north sky)

**PDF file:** [http://farbe.li.tu-berlin.de/AE27/AE27F0PX\\_CY8\\_3.PDF](http://farbe.li.tu-berlin.de/AE27/AE27F0PX_CY8_3.PDF)

**PS file:** [http://farbe.li.tu-berlin.de/AE27/AE27F0PX\\_CY8\\_3.PS](http://farbe.li.tu-berlin.de/AE27/AE27F0PX_CY8_3.PS)

**Picture A7de contrast range:** (>F:0) (F:0) (E: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

*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\\_CY8\\_3.PDF](http://farbe.li.tu-berlin.de/AE27/AE27F0PX_CY8_3.PDF)

**picture A7de**

**underline Yes/No**

**PS file:** [http://farbe.li.tu-berlin.de/AE27/AE27F0PX\\_CY8\\_3.PS](http://farbe.li.tu-berlin.de/AE27/AE27F0PX_CY8_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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