

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**

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  $W-R_d$ ,  $W-G_d$ ,  $W-B_d$  according to picture D2Wdd**

	$W-R_d$	$W-G_d$	$W-B_d$	$W-N$	$W-Z$
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 D3Wdd**

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 D3Wdd**

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

AE180-3dd: 00301

**Documentation of file format, hardware and software for this test:**PDF file: [http://farbe.li.tu-berlin.de/AE18/AE18F0NX\\_CY8\\_1.PDF](http://farbe.li.tu-berlin.de/AE18/AE18F0NX_CY8_1.PDF) **underline Yes/No**PS-File: [http://farbe.li.tu-berlin.de/AE18/AE18F0NX\\_CY8\\_1.PS](http://farbe.li.tu-berlin.de/AE18/AE18F0NX_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 AE18F0NX\_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 AE18F0NX\_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

AE180-7Ndd-00301

Form A: Test chart AE18 according to test chart 4 of ISO/IEC 15775 input: *rgb/cmy0/000n/w set...*  
 chromatic test chart *RGB* output: *->rgbdd setrgbcolor*

Test of 16 visually equally spaced steps of the colour rows  $W-R_d$ ,  $W-G_d$ ,  $W-B_d$ , and  $W-N$  according to picture D4Wdd

	Are all the 16 steps distinguishable?	Yes/No
$W-R_d$ White - Red:	If No: How many steps can be distinguished? of the given 16 steps	..... Steps
$W-G_d$ White - Green:	Are all the 16 steps distinguishable?	<b>Yes/No</b>
	If No: How many steps can be distinguished? of the given 16 steps	..... Steps
$W-B_d$ White - Blue:	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 D5Wdd**

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

Relative size	Letters	Ring $N$	Ring $R_d$	Ring $G_d$	Ring $B_d$
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  $W-R_d$ ,  $W-G_d$ ,  $W-B_d$ , and  $W-N$  according to pictures D6Wdd, and D7Wdd**

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

Colour row $W-R_d$	Colour row $W-G_d$	Colour row $W-B_d$	Colour row $W-N$
background - ring	background - ring	background - ring	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

AE181-3Ndd: 00301

**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/AE18/AE18F0PX\\_CY8\\_3.PDF](http://farbe.li.tu-berlin.de/AE18/AE18F0PX_CY8_3.PDF) **underline Yes/No**PS file: [http://farbe.li.tu-berlin.de/AE18/AE18F0PX\\_CY8\\_3.PS](http://farbe.li.tu-berlin.de/AE18/AE18F0PX_CY8_3.PS) **underline Yes/No****Picture A7dd 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 **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/AE18/AE18F0PX\\_CY8\\_3.PDF](http://farbe.li.tu-berlin.de/AE18/AE18F0PX_CY8_3.PDF) **underline Yes/No****picture A7dd** **underline Yes/No**PS file: [http://farbe.li.tu-berlin.de/AE18/AE18F0PX\\_CY8\\_3.PS](http://farbe.li.tu-berlin.de/AE18/AE18F0PX_CY8_3.PS) **or underline Yes/No****picture A7dd** **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: .....

part 4

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