

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  
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<sub>d</sub>, W-M<sub>d</sub>, W-Y<sub>d</sub> according to picture B2Wdd  
Is the resolution diameter < 6 mm? Yes/No  
Test with magnifying glass (6x), Resolution diameter: ..... mm

Test of the 14 CIE-test colours according to picture B3Wdd  
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 B3Wdd  
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 AE280-3dd: 010561

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

PDF file: http://farbe.li.tu-berlin.de/AE28/AE28F0NX\_CYN1\_1.PDF underline Yes/No

PS file: http://farbe.li.tu-berlin.de/AE28/AE28F0NX\_CYN1\_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 AE28F0NX\_CYN1\_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 AE28F0NX\_CYN1\_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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Test of 16 visually equally spaced steps of the colour rows W-C<sub>d</sub>, W-M<sub>d</sub>, W-Y<sub>d</sub>, and W-N according to picture B4Wdd

W-C<sub>d</sub> White - Cyanblue: Are all the 16 steps distinguishable? Yes/No  
If No: How many steps can be distinguished? of the given 16 steps ..... Steps  
W-M<sub>d</sub> White - Magentared: Are all the 16 steps distinguishable? Yes/No  
If No: How many steps can be distinguished? of the given 16 steps ..... Steps  
W-Y<sub>d</sub> White - Yellow: Are all the 16 steps distinguishable? Yes/No  
If No: How many steps can be distinguished? of the given 16 steps ..... Steps  
W-N White - Black: Are all the 16 steps distinguishable? Yes/No  
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 B5Wdd  
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 <sub>d</sub>	Ring M <sub>d</sub>	Ring Y <sub>d</sub>
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<sub>d</sub>, W-M<sub>d</sub>, W-Y<sub>d</sub>, and W-N according to pictures B6Wdd, and B7Wdd  
Is the recognition frequency of the Landolt-rings > 50% (min. 5 of 8 at least)?

Colour row W-C <sub>d</sub> background - ring	Colour row W-M <sub>d</sub> background - ring	Colour row W-Y <sub>d</sub> 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/AE28/AE28F0PX\_CYN1\_3.PDF underline Yes/No

PS file: http://farbe.li.tu-berlin.de/AE28/AE28F0PX\_CYN1\_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/AE28/AE28F0PX\_CYN1\_3.PDF

picture A7dd underline Yes/No

PS file: http://farbe.li.tu-berlin.de/AE28/AE28F0PX\_CYN1\_3.PS

picture A7dd or underline Yes/No

colour measurement and specification for: underline Yes/No

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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see similar files: http://farbe.li.tu-berlin.de/AE28/AE28.HTM  
technical information: http://farbe.li.tu-berlin.de/ or http://farbe.li.tu-berlin.de/AE.HTM

TUB Registration: 20191001-AE28/AE28L0FA.TXT /.PS  
application for measurement or viewing of the output on display and print  
TUB material: code=thata