

see similar files: [http://farbe.li.tu-berlin.de/AE19/AE19F0PX\\_CY2\\_1.PDF](http://farbe.li.tu-berlin.de/AE19/AE19F0PX_CY2_1.PDF) / .PS; 3D-linearization, page 20/24  
technical information: <http://farbe.li.tu-berlin.de/> or [http://farbe.li.tu-berlin.de/AE19/AE19F0PX\\_CY2\\_1.PDF](http://farbe.li.tu-berlin.de/AE19/AE19F0PX_CY2_1.PDF) / .PS in file (F)

<http://farbe.li.tu-berlin.de/AE19/AE19F0PX.PDF> / .PS; 3D-linearization, page 20/24  
F: 3D-linearization AE19/AE19LF0PX.PDF / .PS in file (F)

Test of visual linearized output of pictures D2W<sub>dd</sub> to D3W<sub>dd</sub> please underline Yes/No  
Output test with computer display ( ) or the external display ( ) please mark by (x)!

Test of the resolution of radial gratings W-R<sub>d</sub>, W-G<sub>d</sub>, W-B<sub>d</sub> according to picture D2W<sub>dd</sub>  
Is the resolution diameter < 6 mm? Yes/No  
Test with magnifying glass (e.g. 6x) resolution diameter ..... mm

Test of the 14 CIE-test colours according to picture D3W<sub>dd</sub>  
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 D3W<sub>dd</sub>  
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, AE190-3dd: 01061

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

PDF file: [http://farbe.li.tu-berlin.de/AE19/AE19F0PX\\_CY2\\_1.PDF](http://farbe.li.tu-berlin.de/AE19/AE19F0PX_CY2_1.PDF) underline: Yes/No  
PS file: [http://farbe.li.tu-berlin.de/AE19/AE19F0PX\\_CY2\\_1.PS](http://farbe.li.tu-berlin.de/AE19/AE19F0PX_CY2_1.PS) underline: Yes/No

Used computer operating system:  
either one of Windows/Mac/Unix/other and version:.....

This evaluation is for the output: underline: monitor/data projector/printer  
Device model, driver and version:.....

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

For output with PDF file AE19F0PX\_CY2\_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 output with PS file AE19F0PX\_CY2\_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: e. g. output of Landscape (L)

.....  
.....  
.....

part 3, AE190-7dd: 01061

Form A: Test chart AE19 according to test chart 4 of ISO/IEC 15775 input: *rgb/cmy0/000n/w set...*  
chromatic test chart RGB output: *->rgb<sub>dd</sub> setrgbcolor*

Test of 16 visually equally spaced steps of the colour rows W-R<sub>d</sub>, W-G<sub>d</sub>, W-B<sub>d</sub>, and W-N according to picture D4W<sub>dd</sub>  
W-R<sub>d</sub> Are all the 16 steps distinguishable? Yes/No  
White - Red: If No: How many steps can be distinguished? of the given 16 steps: ..... Steps  
W-G<sub>d</sub> Are all the 16 steps distinguishable? Yes/No  
White - Green: If No: How many steps can be distinguished? of the given 16 steps: ..... Steps  
W-B<sub>d</sub> Are all the 16 steps distinguishable? Yes/No  
White - Blue: If No: How many steps can be distinguished? of the given 16 steps: ..... Steps  
W-N Are all the 16 steps distinguishable? Yes/No  
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 D5W<sub>dd</sub>  
Is the recognition > 50% for letters (17 of 32 at least)? , and for Landolt-rings (minimum 5 of 8)?  

Relative size	Letters	Rings N	Rings R <sub>d</sub>	Rings G <sub>d</sub>	Rings B <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 the recognition frequency of the Landolt rings W-R<sub>d</sub>, W-G<sub>d</sub>, W-B<sub>d</sub>, and W-N according to picture D6W<sub>dd</sub> and D7W<sub>dd</sub>  
Is the recognition frequency of the Landolt rings > 50% (5 of 8 at least)?  

Colour row W-R <sub>d</sub> background - ring	Colour row W-G <sub>d</sub> background - ring	Colour row W-B <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

part 2, AE191-3Ndd: 01061

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/AE19/AE19F0PX\\_CY2\\_3.PDF](http://farbe.li.tu-berlin.de/AE19/AE19F0PX_CY2_3.PDF) underline: Yes/No  
PS file: [http://farbe.li.tu-berlin.de/AE19/AE19F0PX\\_CY2\\_3.PS](http://farbe.li.tu-berlin.de/AE19/AE19F0PX_CY2_3.PS) underline: Yes/No  
picture A7<sub>dd</sub> 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: Yes/No

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/AE19/AE19F0PX\\_CY2\\_3.PDF](http://farbe.li.tu-berlin.de/AE19/AE19F0PX_CY2_3.PDF) underline: Yes/No  
picture A7<sub>dd</sub> underline: Yes/No  
PS file: [http://farbe.li.tu-berlin.de/AE19/AE19F0PX\\_CY2\\_3.PS](http://farbe.li.tu-berlin.de/AE19/AE19F0PX_CY2_3.PS) or underline: Yes/No  
picture A7<sub>dd</sub> 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, AE191-7dd: 01061

TUB Registration: 20190301-AE19/AE19L0FA.TXT / .PS  
application for measurement or viewing of display and print output  
TUB material: code=th4ta