

see similar files: <http://farbe.li.tu-berlin.de/AE16/AE16L0FA.TXT> /PS application for measurement or viewing of display and print output

TUB Registration: 20190301-AE16/AE16L0FA.TXT /PS TUB material: code=th4ta

<http://farbe.li.tu-berlin.de/AE16/AE16F0NX.PDF> /PS; 3D-linearization, page 14/24
F: 3D-linearization AE16/AE16LF0NX.PDF /PS in file (F)

Test of visual linearized output of pictures D2W_{de} to D3W_{de} 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_d, W-G_d, W-B_d according to picture D2W_{de}
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_{de}
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_{de}
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, AE160-3de: 110321

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

PDF file: http://farbe.li.tu-berlin.de/AE16/AE16F0PX_CYN4_1.PDF underline: Yes/No
PS file: http://farbe.li.tu-berlin.de/AE16/AE16F0PX_CYN4_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 AE16F0PX_CYN4_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 AE16F0PX_CYN4_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, AE160-7de: 110321

Form A: Test chart AE16 according to test chart 4 of ISO/IEC 15775 input: *rgb/cmy0/000n/w set...*
chromatic test chart RGB output: *->rgb_{de} 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 D4W_{de}
W-R_d 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_d 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_d 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_{de}
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 _d	Rings G _d	Rings 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 the recognition frequency of the Landolt rings W-R_d, W-G_d, W-B_d, and W-N according to picture D6W_{de}, and D7W_{de}
Is the recognition frequency of the Landolt rings > 50% (5 of 8 at least)?

Colour row W-R _d background - ring	Colour row W-G _d background - ring	Colour row W-B _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

part 2, AE161-3Nde: 110321

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/AE16/AE16F0PX_CYN4_3.PDF underline: Yes/No
PS file: http://farbe.li.tu-berlin.de/AE16/AE16F0PX_CYN4_3.PS underline: Yes/No
picture A7_{de} 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/AE16/AE16F0PX_CYN4_3.PDF underline: Yes/No
picture A7_{de} underline: Yes/No
PS file: http://farbe.li.tu-berlin.de/AE16/AE16F0PX_CYN4_3.PS or underline: Yes/No
picture A7_{de} 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, AE161-7de: 110321