

Test for the visual linearized output of Pictures B1W-030-0 to B7W-030-0

Output test with the computer display ( ) or the external display ( ) please mark by (x)!

**Test of the (flower) image according to picture B1W-030-0**

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 B2W-030-0**

|                                                          | $W-C_d$  | $W-M_d$  | $W-Y_d$  | $W-N$    | $W-Z$    |
|----------------------------------------------------------|----------|----------|----------|----------|----------|
| Is the resolution diameter < 6 mm?                       | Yes/No   | Yes/No   | Yes/No   | Yes/No   | Yes/No   |
| Test with magnifying glass (6x),<br>Resolution diameter: | ..... mm | ..... mm | ..... mm | ..... mm | ..... mm |

**Test of the 14 CIE-test colours according to picture B3W-030-0**

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 B3W-030-0**

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

OE570-3N-030-1

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

**PDF-File:** <http://130.149.60.45/farbmetrik/OE57/OE57L2NP.PDF> **underline Yes/No**

**PS-File:** <http://130.149.60.45/farbmetrik/OE57/OE57L2NA.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 OE57L2NP.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 OE57L2NA.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

OE570-7N-030-1

OE57: Form A for test chart 2 according to ISO 15775; DH  
Image, radial gratings, 16 step colour scales, Landolt-rings

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 B4W-030-0

|                             |                                                                   |               |
|-----------------------------|-------------------------------------------------------------------|---------------|
| $W-C_d$ White - Cyanblue:   | Are all the 16 steps distinguishable?                             | <b>Yes/No</b> |
|                             | If No: How many steps can be distinguished? of the given 16 steps | ..... Steps   |
| $W-M_d$ 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 B5W-030-0**

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 B6W-030-0, and B7W-030-0**

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

| Colour row $W-C_d$<br>background - ring | Colour row $W-M_d$<br>background - ring | Colour row $W-Y_d$<br>background - ring | Colour row $W-N$<br>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 1

OE571-3N-030-1

**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://130.149.60.45/farbmetrik/OE57/OE57F1P2.PDF>

**PS file:** <http://130.149.60.45/farbmetrik/OE57/OE57F1P2.PS>

**Picture A7-030-2: 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://130.149.60.45/farbmetrik/OE57/OE57F1P2.PDF>

**picture A7-030-2**

**underline Yes/No**

**PS-File:** <http://130.149.60.45/farbmetrik/OE57/OE57F1P2.PS>

**picture A7-030-2**

**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 with PS file for colours in the columns A to T**

Exchange of CIELAB data in file [www.ps.bam.de/De17/10L/L17e00NP.PS](http://www.ps.bam.de/De17/10L/L17e00NP.PS) and transfer

of the PS-file L17e00NP.PS in PDF-file L17e00NP.PDF

**underline Yes/No**

If No, please describe other method: .....

Part 4

OE571-7N-030-1

input:  $rgb$  ( $\rightarrow rgb^*_d$ )  $setrgbcolor$   
output 030-1: no change