

Test for the visual linearized output of Pictures D2W-030-0 to D7W-030-0

Output test with the 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-030-0

	$W-R_d$	$W-G_d$	$W-B_d$	$W-N$	$W-Z$
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 D3W-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 D3W-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

OE590-3N-030-1

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

PDF-File: <http://130.149.60.45/farbmetrik/OE59/OE59L2NP.PDF> **underline Yes/No**

PS-File: <http://130.149.60.45/farbmetrik/OE59/OE59L2NA.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 OE59L2NP.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 OE59L2NA.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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.....  
.....

Part 3

OE590-7N-030-1

OE59: Form A for test chart 4 according to ISO/IEC 15775; DH  
Radial gratings, 16 step colour scales, Landolt-rings

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-030-0

$W-R_d$ White – Orangered:	Are all the 16 steps distinguishable?	<b>Yes/No</b>
	If No: How many steps can be distinguished? of the given 16 steps	..... Steps
$W-G_d$ White – Leafgreen:	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 – Violetblue:	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 D5W-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 $R_d$	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 D6W-030-0, and D7W-030-0

Is the recognition frequency of the Landolt-rings > 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 1

OE590-3N-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)

**underline Yes/No**

PDF file: <http://130.149.60.45/farbmetrik/OE59/OE59F1P2.PDF>

**underline Yes/No**

PS file: <http://130.149.60.45/farbmetrik/OE59/OE59F1P2.PS>

**underline Yes/No**

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 **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://130.149.60.45/farbmetrik/OE59/OE59F1P2.PDF>

picture A7-030-2

**underline Yes/No**

PS-File: <http://130.149.60.45/farbmetrik/OE59/OE59F1P2.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

OE591-7N-030-1

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