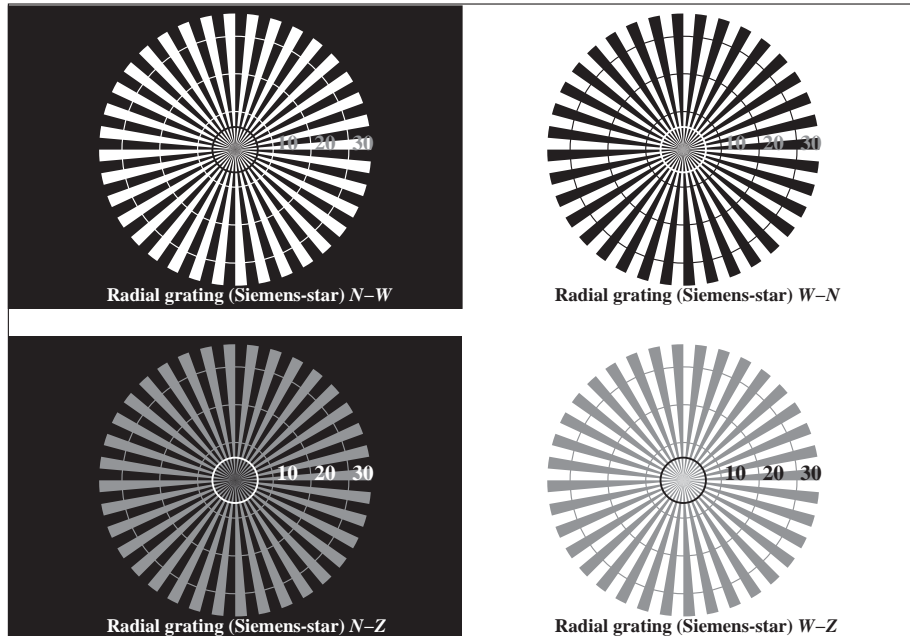
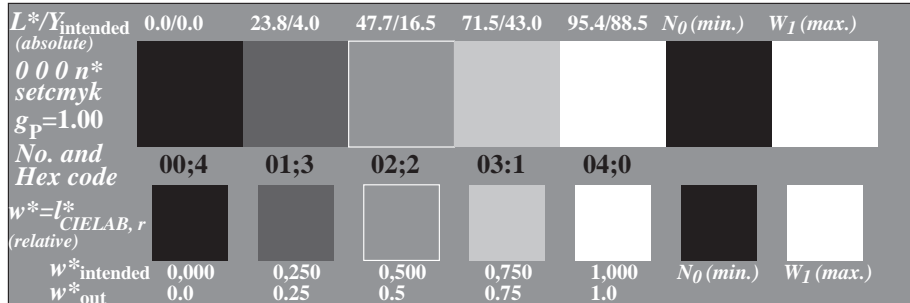


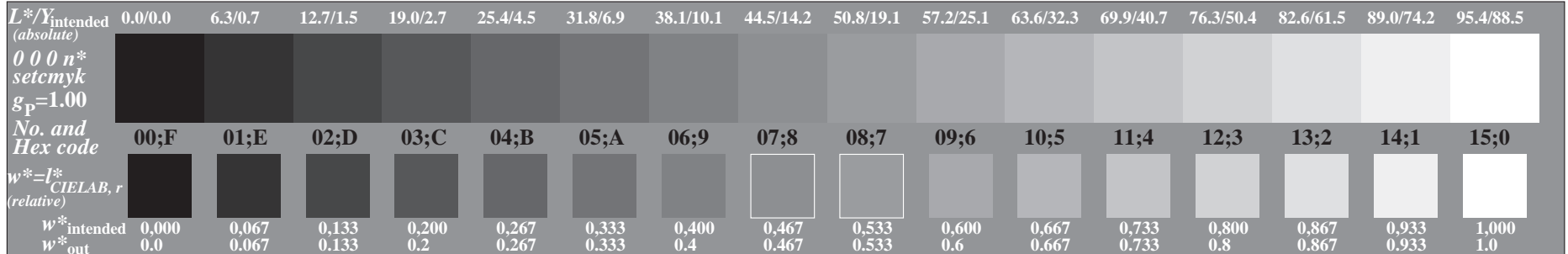
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>  
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1



OE500-3N, Picture A1-000-0: Radial grating N-W, W-N, N-Z, W-Z; PS operator: 0 0 0 n\* setcmykcolor

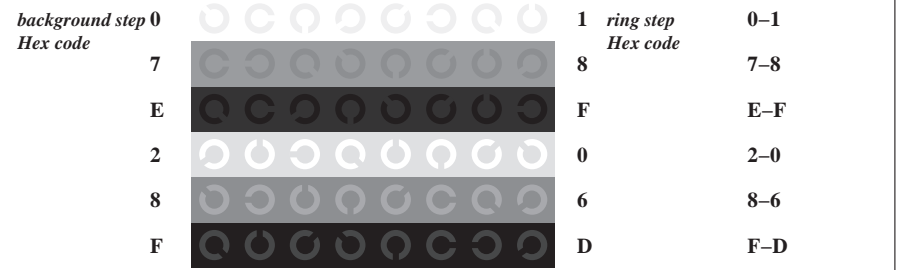


OE500-5N, Picture A2-000-0: 5 equidistant  $L^*$ -grey steps+N0+W1; PS operator: 0 0 0 n\* setcmykcolor

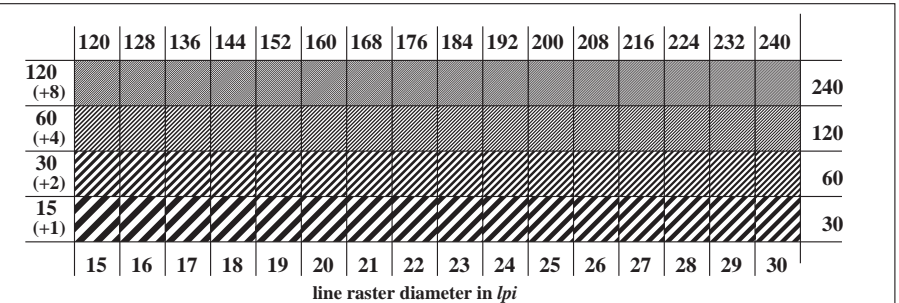


OE500-7N, Picture A3-000-0: 16 visual equidistant  $L^*$ -grey steps; PS operator: 0 0 0 n\* setcmykcolor

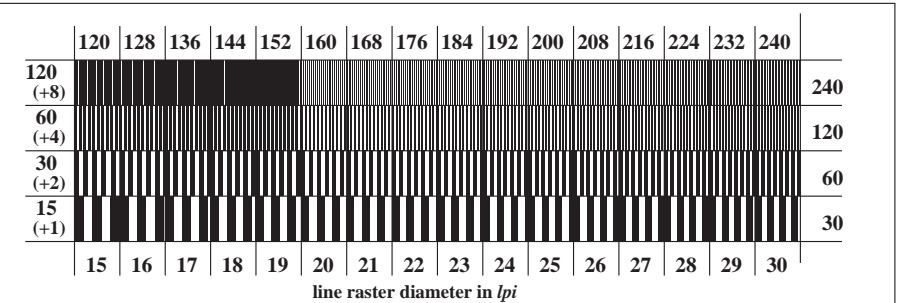
OE50: similar ME16 according to ISO 9241-306; DH  
Viewing  $Y$  contrast  $Y_W:Y_N=88,9:0,31$ ;  $Y_N$  range 0,0 to <0,46



Landolt-rings W-N code: background-ring  
OE501-1N, Picture A4-000-0: Landolt-rings W-N; PS operator: 0 0 0 n\* setcmykcolor

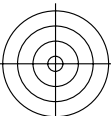


OE501-3N, Picture A5-000-0: Line raster under 45° (or 135°); PS operator: 0 0 0 n\* setcmykcolor

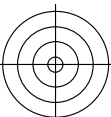


OE501-5N, Picture A6-000-0: Line raster under 90° (or 0°); PS operator: 0 0 0 n\* setcmykcolor

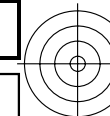
input: 000n (->rgb\*d) setcmyk  
output 000-0: no change



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>  
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1



<http://130.149.60.45/~farbmetrik/OE50/OE50L0NA.TXT> /PS; start output, Page 2/3  
 N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)



TUB registration: 20110801-OE50/OE50L0NA.TXT /PS  
 application for output of displays: monitor systems or data projector systems

TUB material: code=rh4ta



**Test for the best visual linearized output of Picture A7-000-0** Yes/No  
**Output test with the computer display ( ) or the external display ( )**

**Test of the radial grating according to picture A1-000-0**

N-W-radial grating: Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm

W-N-radial grating: Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm

N-Z-radial grating: Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm

W-Z-radial grating: Is the resolution diameter < 6 mm? Yes/No  
 Test with magnifying glass (e.g. 6x) resolution diameter ..... mm

**Test of 5 visual equidistant L\*-grey steps according to picture A2-000-0**

Are the 5 steps on the upper rows distinguishable? Yes/No  
 If No: How many steps can be distinguished? of the given 5 steps: .... Steps

**Test of 16 visual equidistant L\*-grey steps according to picture A3-000-0**

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 OE500-3N-000-1

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

**PDF-File:** <http://130.149.60.45/farbmetrik/OE50/OE50L0NP.PDF> underline Yes/No

**PS-File:** <http://130.149.60.45/farbmetrik/OE50/OE50L0NA.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 OE50L0NP.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 OE50L0NA.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 OE500-7N-000-1



OE50: Form A for test chart according to ISO 9241-306; DH  
 Viewing Y contrast  $Y_W:Y_N=88,9:0,31$ ;  $Y_N$  range 0,0 to <0,46

**Test for the best visual linearized output of Picture A7-000-0** Yes/No  
**Output test with the computer display ( ) or the external display ( )**

**Test of the Landolt-rings N-W according to picture A4-000-0**

N-W-radial grating:  
 Is the recognition frequency of the Landolt-rings > 50% (5 of 8 at least)?  
 background – ring  
 0 – 1 Yes/No  
 7 – 8 Yes/No  
 E – F Yes/No  
 2 – 0 Yes/No  
 8 – 6 Yes/No  
 F – D Yes/No

**Test of the radial grating under 45° according to picture A5-000-0**

Can equally spaced lines be seen?  
 Visual testing: for radial diameter from 15 to 60 lpi Yes/No  
 Test with a magnifying glass (e.g. 6x): – from 15 lpi: to ..... lpi

**Test of the radial grating under 90° according to picture A6-000-0**

Can equally spaced lines be seen?  
 Visual testing: for radial diameter from 15 to 60 lpi Yes/No  
 Test with a magnifying glass (e.g. 6x): – from 15 lpi: to ..... lpi

Part 2 OE501-3N-000-1

**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://130.149.60.45/farbmetrik/OE50/OE50F1P2.PDF> underline Yes/No

**PS file:** <http://130.149.60.45/farbmetrik/OE50/OE50F1P2.PS> underline Yes/No

**Picture A7-000-2: 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/OE50/OE50F1P2.PDF> underline Yes/No

**PS-File:** <http://130.149.60.45/farbmetrik/OE50/OE50F1P2.PS> or underline Yes/No

**picture A7-000-2**  
**picture A7-000-2**

**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 OE501-7N-000-1

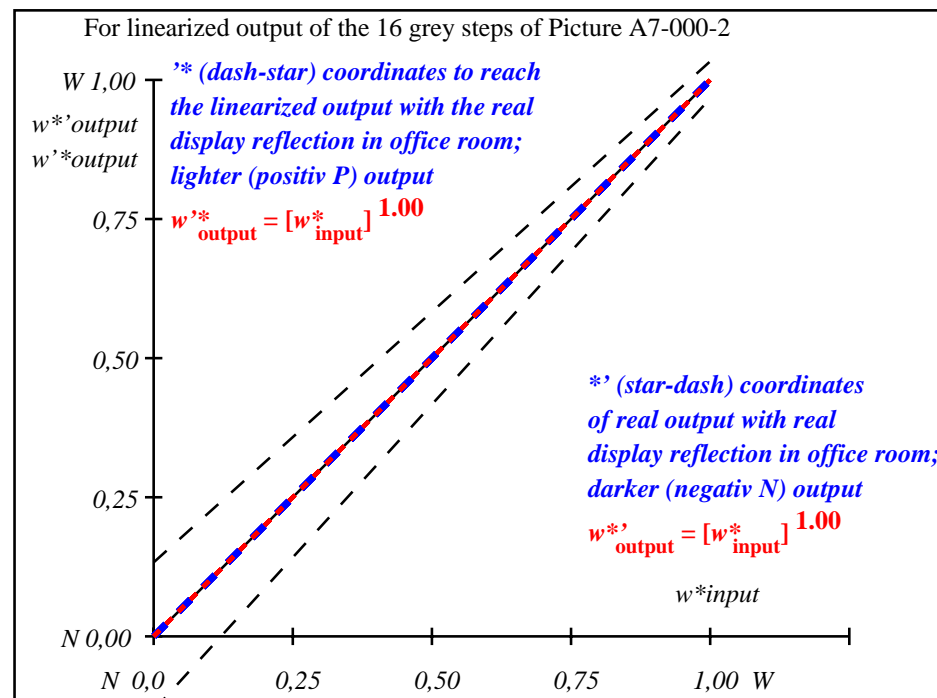


input: 000n (→rgb\*d) setcmk  
 output 000-1: no change

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>  
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

i	LAB*ref	L*out	LAB*out	LAB*out/c-ref	ΔE*	Start output S1
1	0.0	0.0	0.0	0.0	0.0	0.01
2	6.36	0.0	0.07	6.36	0.0	0.01
3	12.72	0.0	0.13	12.72	0.0	0.01
4	19.08	0.0	0.2	19.08	0.0	0.01
5	25.44	0.0	0.27	25.44	0.0	0.01
6	31.8	0.0	0.33	31.8	0.0	0.01
7	38.16	0.0	0.4	38.16	0.0	0.01
8	44.52	0.0	0.47	44.52	0.0	0.01
9	50.89	0.0	0.53	50.89	0.0	0.01
10	57.25	0.0	0.6	57.25	0.0	0.01
11	63.61	0.0	0.67	63.61	0.0	0.01
12	69.97	0.0	0.73	69.97	0.0	0.01
13	76.33	0.0	0.8	76.33	0.0	0.01
14	82.69	0.0	0.87	82.69	0.0	0.01
15	89.05	0.0	0.93	89.05	0.0	0.01
16	95.41	0.0	1.0	95.41	0.0	0.01
17	0.0	0.0	0.0	0.0	0.0	0.01
18	23.85	0.0	0.25	23.85	0.0	0.01
19	47.71	0.0	0.5	47.71	0.0	0.01
20	71.56	0.0	0.75	71.56	0.0	0.01
21	95.41	0.0	1.0	95.41	0.0	0.01
Mean lightness difference (16 steps)						ΔE* <sub>CIELAB</sub> = 0.0
Mean lightness difference (5 steps)						ΔL* <sub>CIELAB</sub> = 0.0
Mean colour reproduction index:						R* <sub>ab,m</sub> = 100

OE500-3N-000-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE501-3N-000-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

$L^*/Y_{intended}$ (absolute)	0.0/0.0	6.4/0.7	12.7/1.5	19.1/2.8	25.4/4.6	31.8/7.0	38.2/10.2	44.5/14.2	50.9/19.2	57.2/25.2	63.6/32.3	70.0/40.7	76.3/50.4	82.7/61.6	89.0/74.3	95.4/88.6
$000n^*$ setcmk g <sub>p</sub> =1.00 No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	14;1	15;0
$w^* = L^*_{CIELAB, r}$ (relative)																
$w^*_{intended}$	0.000	0.067	0.133	0.200	0.267	0.333	0.400	0.467	0.533	0.600	0.667	0.733	0.800	0.867	0.933	1.000
$w^*_{out}$	0.0	0.067	0.133	0.2	0.267	0.333	0.4	0.467	0.533	0.6	0.667	0.733	0.8	0.867	0.933	1.0

OE500-7N, Picture A7-000-2: 16 visual equidistant  $L^*$ -grey steps; PS operator:  $000n^*$  setcmkcolor

OE50: In-output relation according to ISO 9241-306; DH  
Viewing  $Y$  contrast  $Y_W:Y_N=88,9:0,31$ ;  $Y_N$  range 0,0 to <0,46

input:  $000n$  ( $\rightarrow rgb^*_d$ ) setcmk  
output 000-2: no change