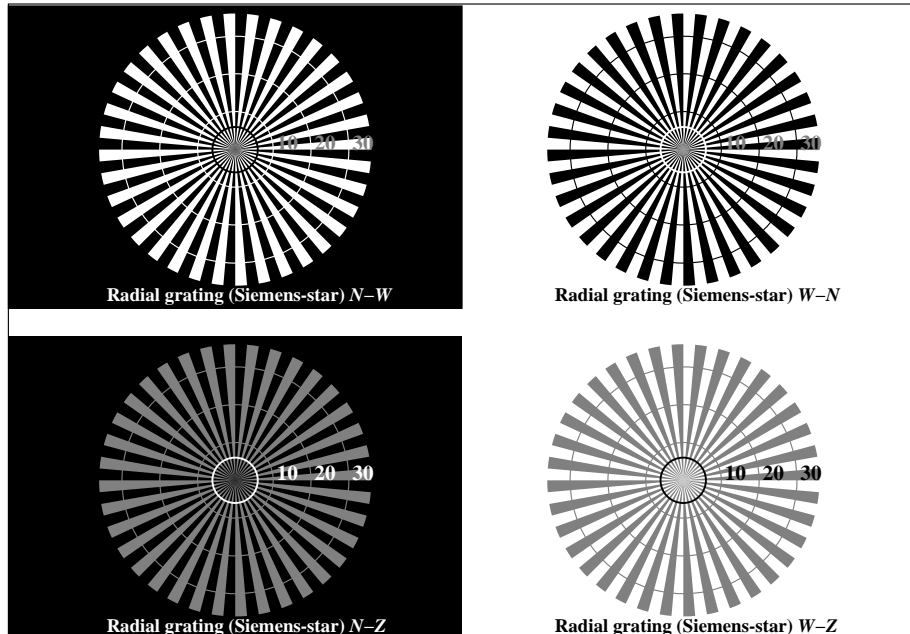
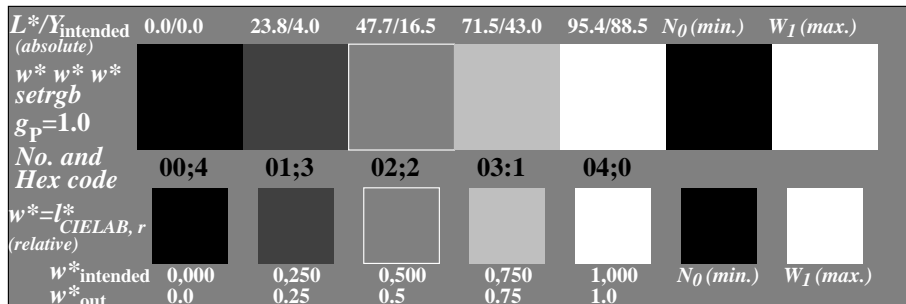


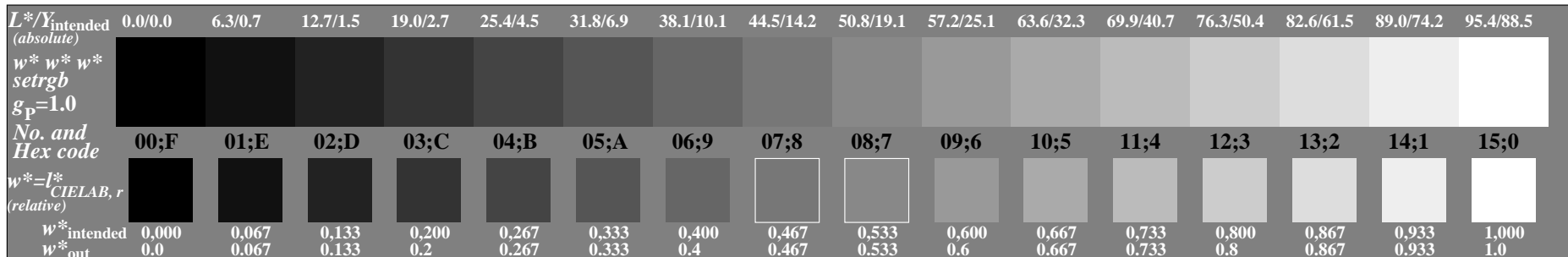
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



OE500-3N, Picture A1-130-0: Radial grating N-W, W-N, N-Z, W-Z; PS operator: $w^* w^* w^* \text{setrgbcolor}$



OE500-5N, Picture A2-130-0: 5 equidistant L^* -grey steps+ N_0 + W_1 ; PS operator: $w^* w^* w^* \text{setrgbcolor}$



OE500-7N, Picture A3-130-0: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^* \text{setrgbcolor}$

OE50: similar ME16 according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:0,31$; Y_N range 0,0 to <0,46

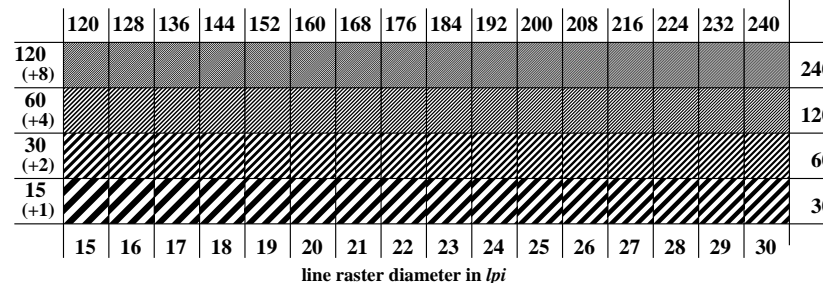
input: $000n (->rgb^*_d) \text{setcmk}$
output 130-0: $g_p=1.0$; $g_N=1.0$

background step 0		1	ring step	0-1
Hex code		8	Hex code	7-8
7		F		E-F
E		0		2-0
2		6		8-6
8		D		F-D
F				

Landolt-rings W-N

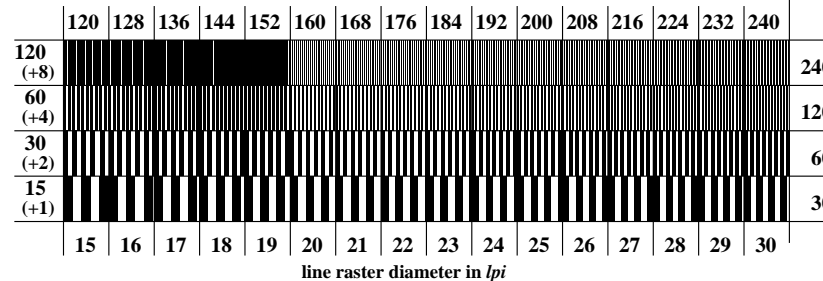
code: background-ring

OE501-1N, Picture A4-130-0: Landolt-rings W-N; PS operator: $w^* w^* w^* \text{setrgbcolor}$



line raster diameter in lpi

OE501-3N, Picture A5-130-0: Line raster under 45° (or 135°); PS operator: $w^* w^* w^* \text{setrgbcolor}$



line raster diameter in lpi

OE501-5N, Picture A6-130-0: Line raster under 90° (or 0°); PS operator: $w^* w^* w^* \text{setrgbcolor}$

Test for the best visual linearized output of Picture A7-130-0	Yes/No
Output test with the computer display () or the external display ()	
Test of the radial grating according to picture A1-130-0	
N-W-radial grating: Is the resolution diameter < 6 mm?	Yes/No
Test with magnifying glass (e.g. 6x) mm
resolution diameter	
W-N-radial grating: Is the resolution diameter < 6 mm?	Yes/No
Test with magnifying glass (e.g. 6x) mm
resolution diameter	
N-Z-radial grating: Is the resolution diameter < 6 mm?	Yes/No
Test with magnifying glass (e.g. 6x) mm
resolution diameter	
W-Z-radial grating: Is the resolution diameter < 6 mm?	Yes/No
Test with magnifying glass (e.g. 6x) mm
resolution diameter	
Test of 5 visual equidistant L*-grey steps according to picture A2-130-0	
Are the 5 steps on the upper rows distinguishable?	Yes/No
If No: How many steps can be distinguished? Steps
of the given 5 steps:	
Test of 16 visual equidistant L*-grey steps according to picture A3-130-0	
Are the 16 steps on the upper rows distinguishable?	Yes/No
If No: How many steps can be distinguished? Steps
of the given 16 steps:	

Part 1 OE500-3N-130-1

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-130-1

OE50: Form A for test chart according to ISO 9241-306; 1MR, DH input: 000n (->rgb*_d) setcmk
Viewing Y contrast $Y_W:Y_N=88,9:0,31$; Y_N range 0,0 to <0,46 output 130-1: $g_P=1.0$; $g_N=1.0$

Test for the best visual linearized output of Picture A7-130-0	Yes/No
Output test with the computer display () or the external display ()	
Test of the Landolt-rings N-W according to picture A4-130-0	
N-W-radial grating:	
Is the recognition frequency of the Landolt-rings > 50% (5 of 8 at least)?	
background - ring	Yes/No
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 A5-130-0	
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 A6-130-0	
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-130-1

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/OE50/OE50F1P2.PDF>

PS file: <http://130.149.60.45/farbmetrik/OE50/OE50F1P2.PS>

Picture A7-130-2: 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/OE50/OE50F1P2.PDF>

picture A7-130-2

PS-File: <http://130.149.60.45/farbmetrik/OE50/OE50F1P2.PS>

picture A7-130-2

colour measurement and specification for:

CIE standard illuminant D65, 2 degree observer, CIE 45/0 geometry:

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 and transfer

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

If No, please describe other method:

underline Yes/No

underline Yes/No

underline Yes/No

underline Yes/No

underline Yes/No

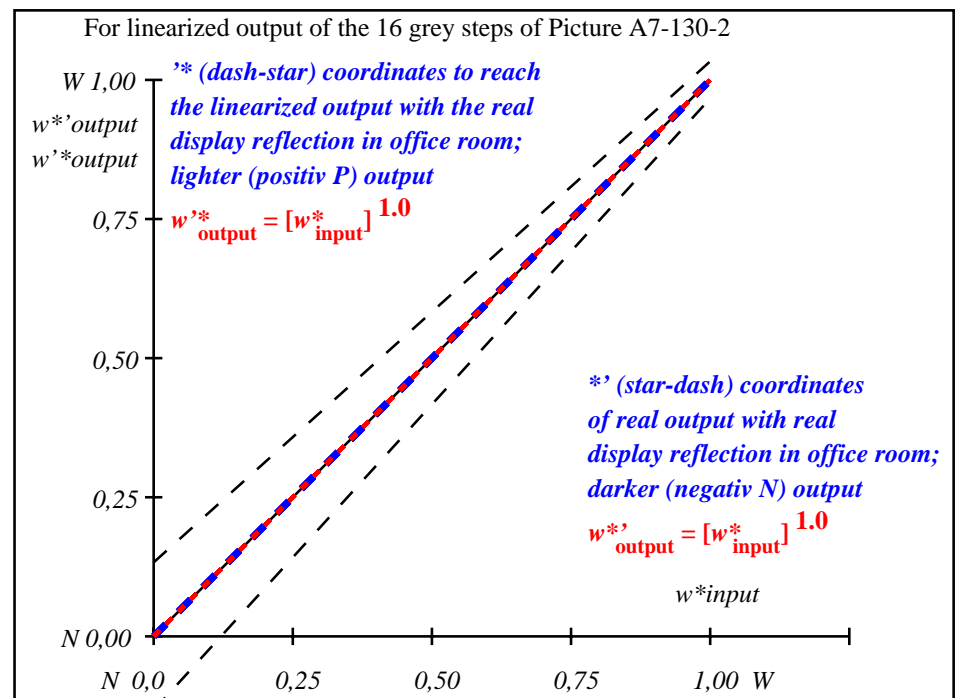
underline Yes/No

OE501-7N-130-1

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, CIELAB

i	LAB*ref	I*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* _{CIELAB} = 0.0
Mean lightness difference (5 steps)						ΔE* _{CIELAB} = 0.0
Mean colour reproduction index:						R* _{ab,m} = 100

OE500-3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE501-3N-130-2: 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
$w^* w^* w^*$ setrgb g _p =1.0																
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 A7-130-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE50: In-output relation according to ISO 9241-306; 1MR, 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 130-2: $g_p=1.0$; $g_N=1.0$

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