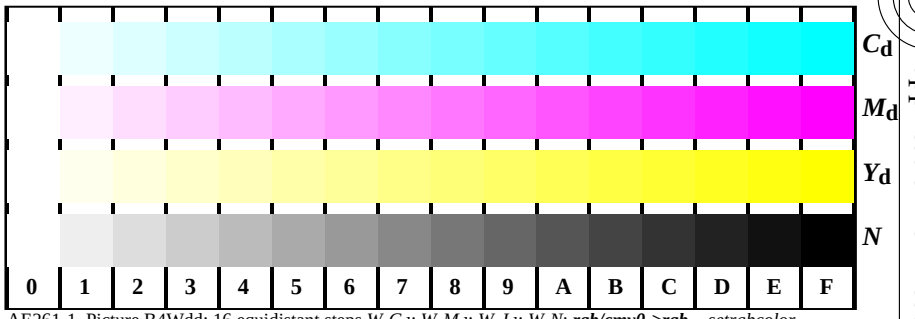
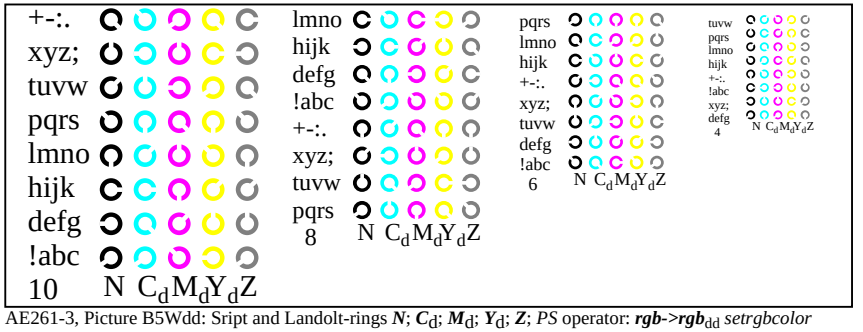
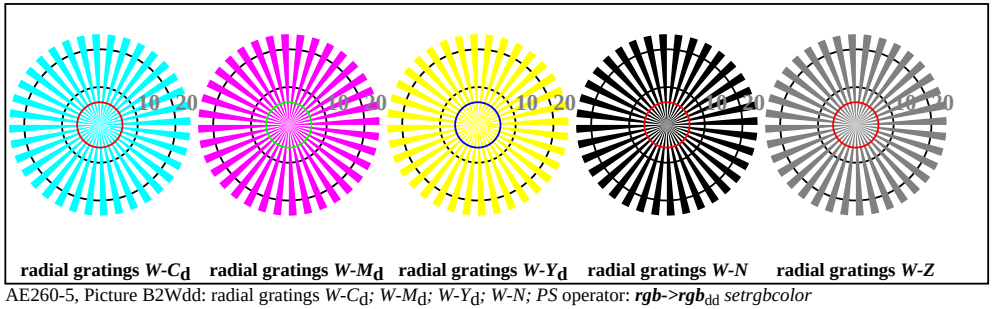


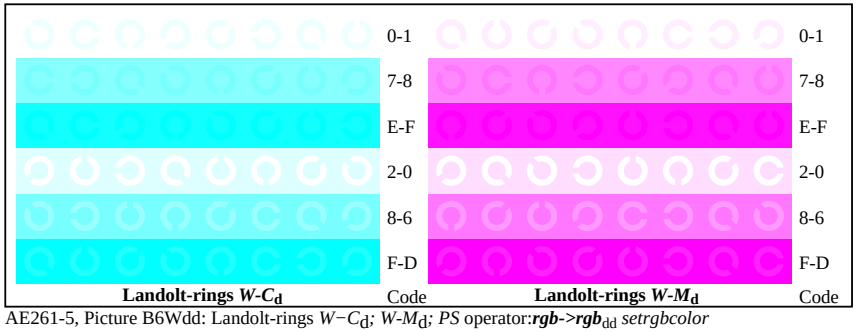

AE261-1, Picture B4Wdd: 16 equidistant steps *W-C*$_d$; *W-M*$_d$; *W-J*$_d$; *W-N*; ***rgb/cmy0->rgb***$_{dd}$ *setrgbcolor*



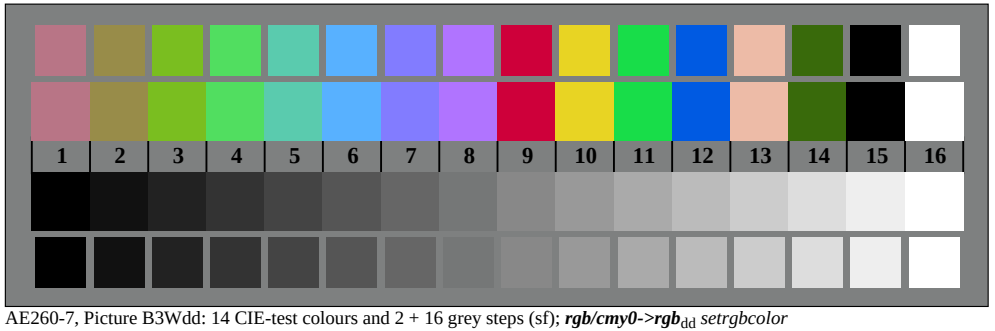

AE261-3, Picture B5Wdd: Sript and Landolt-rings ***N***; ***C***$_d$; ***M***$_d$; ***Y***$_d$; ***Z***; *PS* operator: ***rgb->rgb***$_{dd}$ *setrgbcolor*



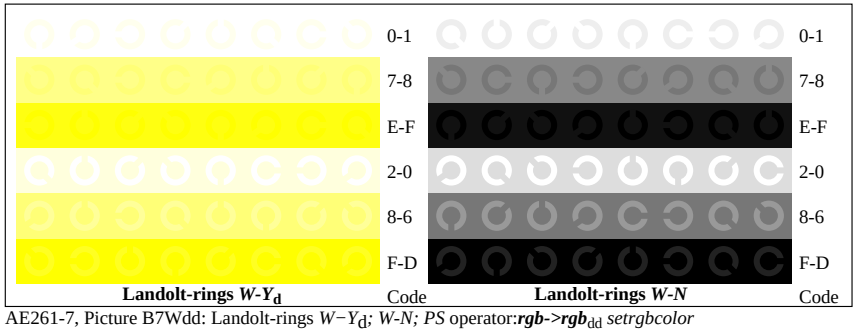

AE260-5, Picture B2Wdd: radial gratings *W-C*$_d$; *W-M*$_d$; *W-Y*$_d$; *W-N; PS* operator: ***rgb->rgb***$_{dd}$ *setrgbcolor*




AE261-5, Picture B6Wdd: Landolt-rings *W−C*$_d$; *W-M*$_d$; *PS* operator:***rgb->rgb***$_{dd}$ *setrgbcolor*




AE260-7, Picture B3Wdd: 14 CIE-test colours and 2 + 16 grey steps (sf); ***rgb/cmy0->rgb***$_{dd}$ *setrgbcolor*




AE261-7, Picture B7Wdd: Landolt-rings *W−Y*$_d$; *W-N; PS* operator:***rgb->rgb***$_{dd}$ *setrgbcolor*

**Test of visual linearized output of pictures B2W$_{dd}$ to B3W$_{dd}$** 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-C*$_d$, *W-M*$_d$, *W-Y*$_d$ according to picture B2W$_{dd}$**

| | *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 (e.g. 6x) resolution diameter | ..... mm | ..... mm | ..... mm | ..... mm | ..... mm |

**Test of the 14 CIE-test colours according to picture B3W$_{dd}$**
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$_{dd}$**
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, AE260-3dd: 00301

**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$_{dd}$**

| | | | |
|---|---|---|---|
| **W-*C*$_d$** | Are all the 16 steps distinguishable? | | **Yes/No** |
| White - Cyanblue: | If No: How many steps can be distinguished? | of the given 16 steps: | **..... Steps** |
| **W-*M*$_d$** | Are all the 16 steps distinguishable? | | **Yes/No** |
| White - Magentared: | If No: How many steps can be distinguished? | of the given 16 steps: | **..... Steps** |
| **W-*Y*$_d$** | Are all the 16 steps distinguishable? | | **Yes/No** |
| White - Yellow: | 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 B5W$_{dd}$**
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 *C*$_d$ | Rings *M*$_d$ | Rings *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 the recognition frequency of the Landolt rings *W-C*$_d$, *W-M*$_d$, *W-Y*$_d$, and *W-N* according to picture B6W$_{dd}$, and B7W$_{dd}$**
Is the recognition frequency of the Landolt rings > 50% (5 of 8 at least)?

| Colour row *W-C*$_d$ background - ring | | Colour row *W-M*$_d$ background - ring | | Colour row *W-Y*$_d$ 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, AE261-3Ndd: 00301

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

**PDF file:**
http://farbe.li.tu-berlin.de/AE26/AE26F0PX_CY8_1.PDF **underline: Yes/No**
**PS file:**
http://farbe.li.tu-berlin.de/AE26/AE26F0PX_CY8_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 AE26F0PX_CY8_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 AE26F0PX_CY8_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, AE260-7dd: 00301

**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/AE26/AE26F0PX_CY8_3.PDF **underline: Yes/No**
**PS file:** http://farbe.li.tu-berlin.de/AE26/AE26F0PX_CY8_3.PS **underline: Yes/No**
**picture A7$_{dd}$ 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/AE26/AE26F0PX_CY8_3.PDF
**picture A7$_{dd}$** **underline: Yes/No**
**PS file:** http://farbe.li.tu-berlin.de/AE26/AE26F0PX_CY8_3.PS
**picture A7$_{dd}$** **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, AE261-7dd: 00301

| $i$ | $LAB^*_{ref}$ | | | $l^*_{out}$ | $LAB^*_{out}$ | | | $LAB^*_{out\text{-}ref}$ | | | $\Delta E^*$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 2 | 6,36 | 0,00 | 0,00 | 0,06 | 6,36 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 3 | 12,72 | 0,00 | 0,00 | 0,13 | 12,72 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 4 | 19,08 | 0,00 | 0,00 | 0,20 | 19,08 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 5 | 25,44 | 0,00 | 0,00 | 0,26 | 25,44 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 6 | 31,80 | 0,00 | 0,00 | 0,33 | 31,80 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 7 | 38,16 | 0,00 | 0,00 | 0,40 | 38,16 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 8 | 44,52 | 0,00 | 0,00 | 0,46 | 44,52 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 9 | 50,88 | 0,00 | 0,00 | 0,53 | 50,88 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 10 | 57,24 | 0,00 | 0,00 | 0,60 | 57,24 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 11 | 63,60 | 0,00 | 0,00 | 0,66 | 63,60 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 12 | 69,96 | 0,00 | 0,00 | 0,73 | 69,96 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 13 | 76,32 | 0,00 | 0,00 | 0,80 | 76,32 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 14 | 82,68 | 0,00 | 0,00 | 0,86 | 82,68 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 15 | 89,04 | 0,00 | 0,00 | 0,93 | 89,04 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 16 | 95,41 | 0,00 | 0,00 | 1,00 | 95,41 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 17 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 18 | 23,85 | 0,00 | 0,00 | 0,25 | 23,85 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 19 | 47,70 | 0,00 | 0,00 | 0,50 | 47,70 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 20 | 71,55 | 0,00 | 0,00 | 0,75 | 71,55 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |
| 21 | 95,41 | 0,00 | 0,00 | 1,00 | 95,41 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 |

**Start output S1**
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

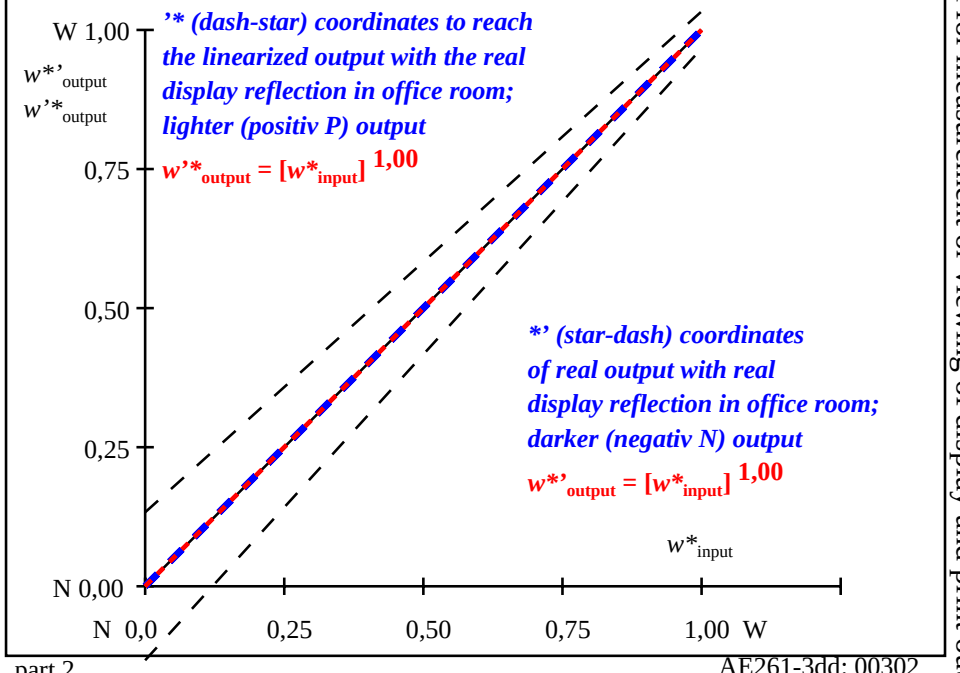
**Mean lightness difference (16 steps)**
**$\Delta E^*_{CIELAB}$ = 0,0**

**Mean lightness difference (5 steps)**
**$\Delta L^*_{CIELAB}$ = 0,0**

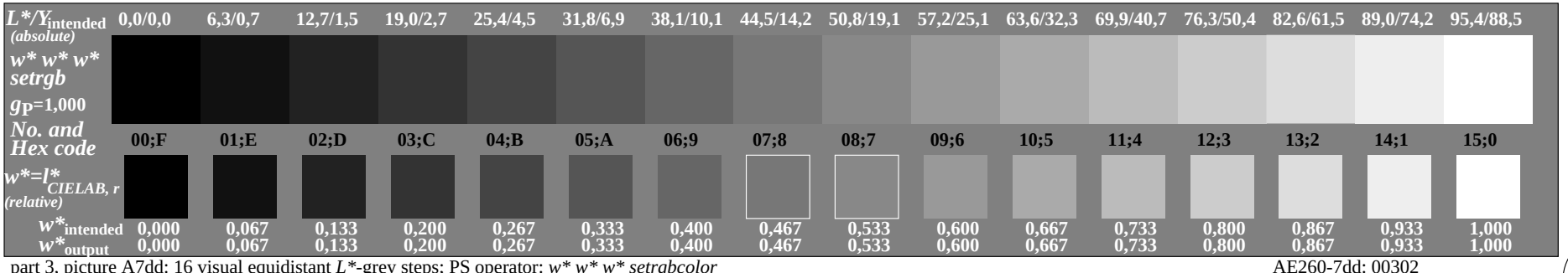
**Mean colour reproduction index: $R^*_{ab,m}$ = 99,9**

part 1, AE260-3dd: 00302

For linearized output of the 16 grey steps of Picture $A7_{dd}$




part 2, AE261-3dd: 00302




part 3, picture A7dd: 16 visual equidistant $L^*$-grey steps; PS operator: *w* w* w* setrgbcolor* AE260-7dd: 00302

In-out: Test chart AE26 according to test chart 2 of ISO/IEC 15775 input: *rgb/cmy0/000n/w set...*
Viewing $Y$ contrast $Y_W$:$Y_N$=88,9:0,31; $Y_N$-range 0,0 to <0,46 output: *->$rgb_{dd}$ setrgbcolor*