

TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

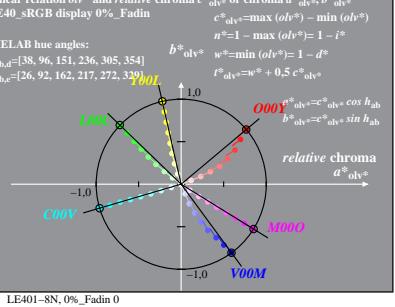
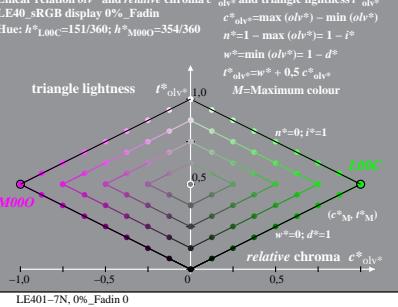
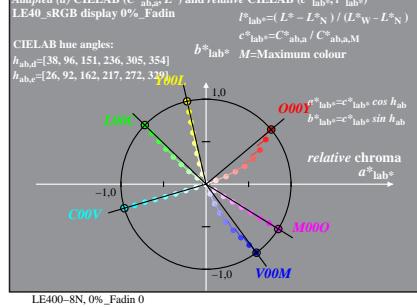
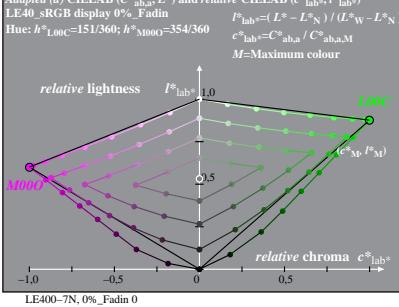
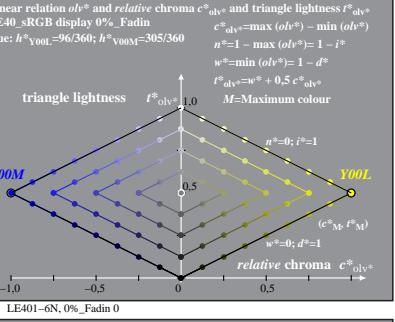
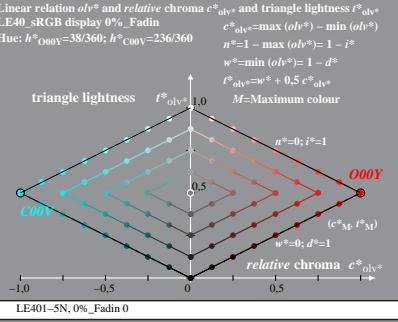
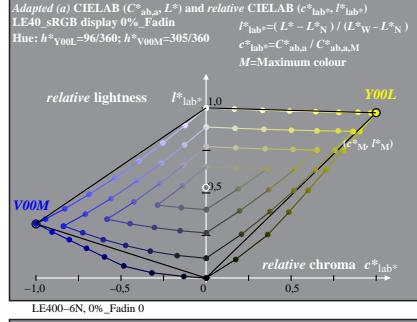
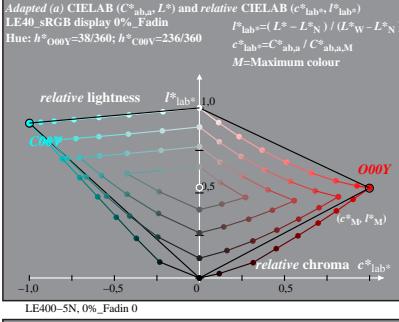
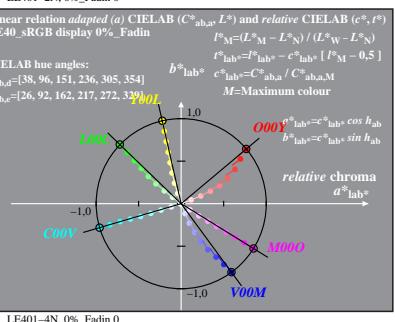
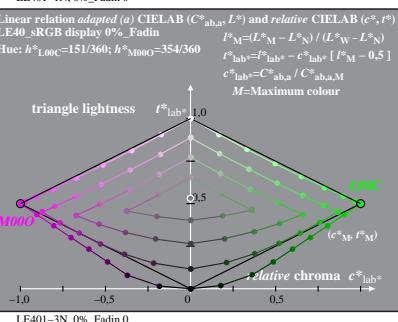
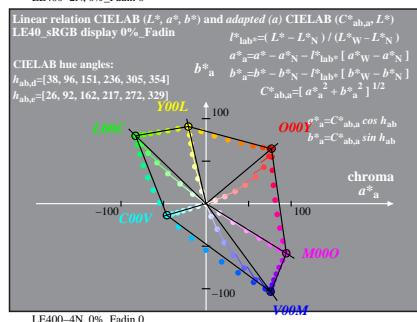
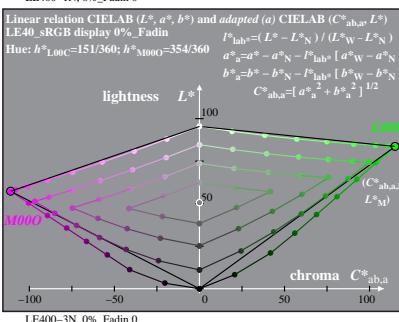
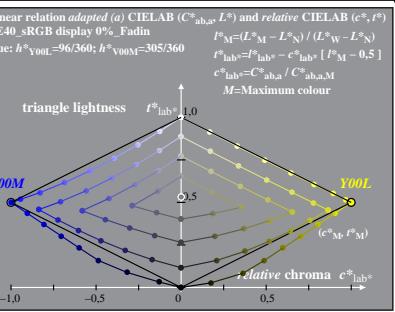
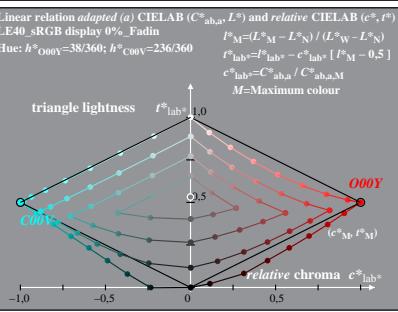
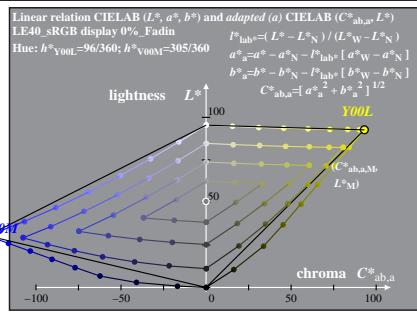
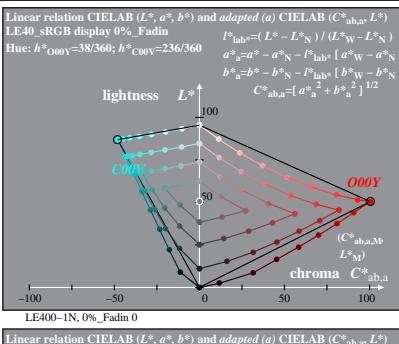
TUB application for measurement of printer or monitor systems

See original or copy: http://web.me.com/klaus_richter/LE40/LE40L0NA.TXT /PS
 Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmefrik/LE40/LE40L0NA.TXT /PS>

V L O Y M C

<http://130.149.60.45/~farbmefrik/LE40/LE40L0NA.TXT /PS>; start output

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 1/16



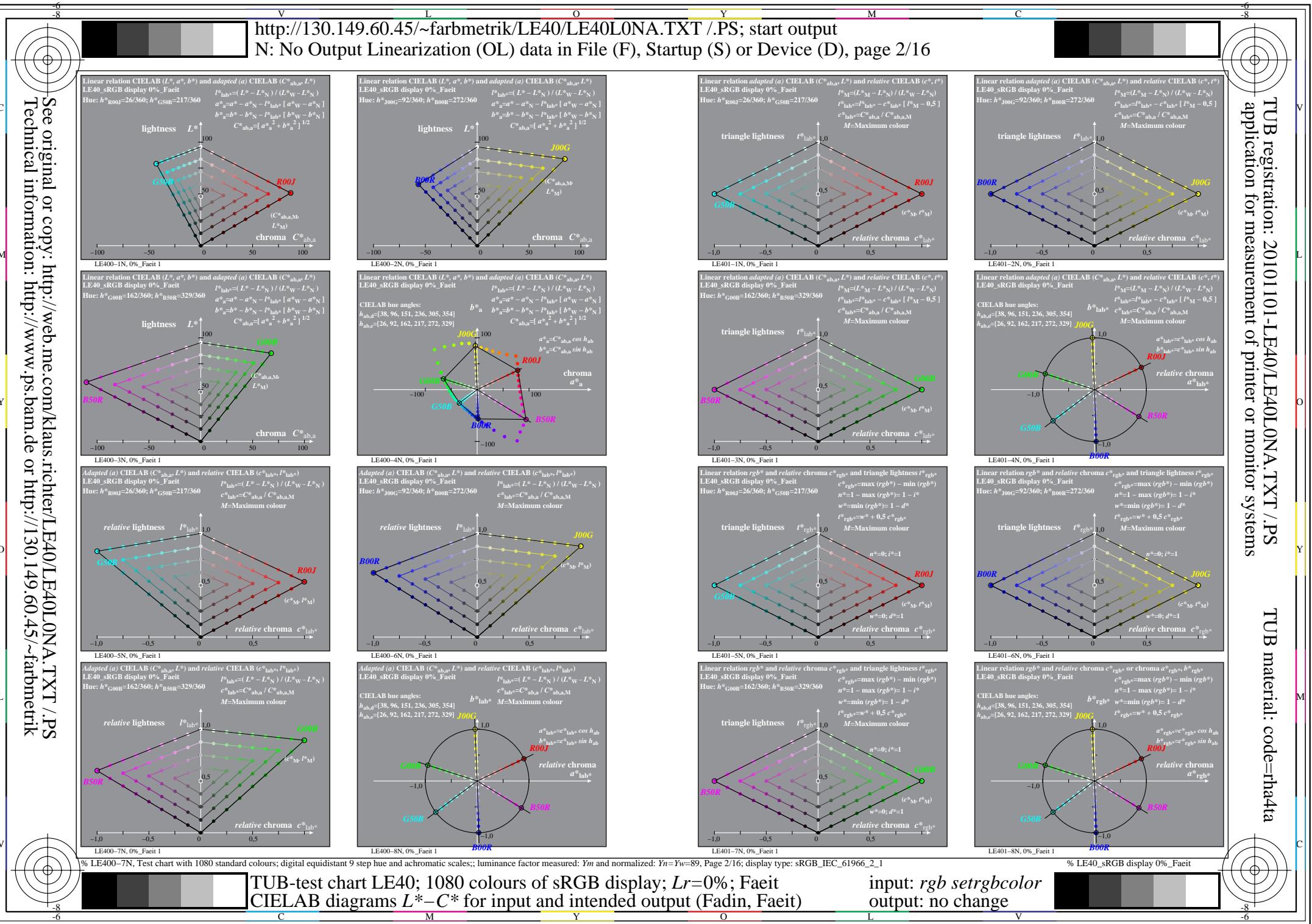
% LE400-7N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured: Y_m and normalized: $Y_n=Y_m/89$, Page 1/16; display type: sRGB_IEC_61966_2_1
 TUB-test chart LE40; 1080 colours of sRGB display; $Lr=0\%$; Fadin
 CIELAB diagrams L^*-C^* for input and intended output (Fadin, Faeit)

input: `rgb setrgbcolor`
 output: no change



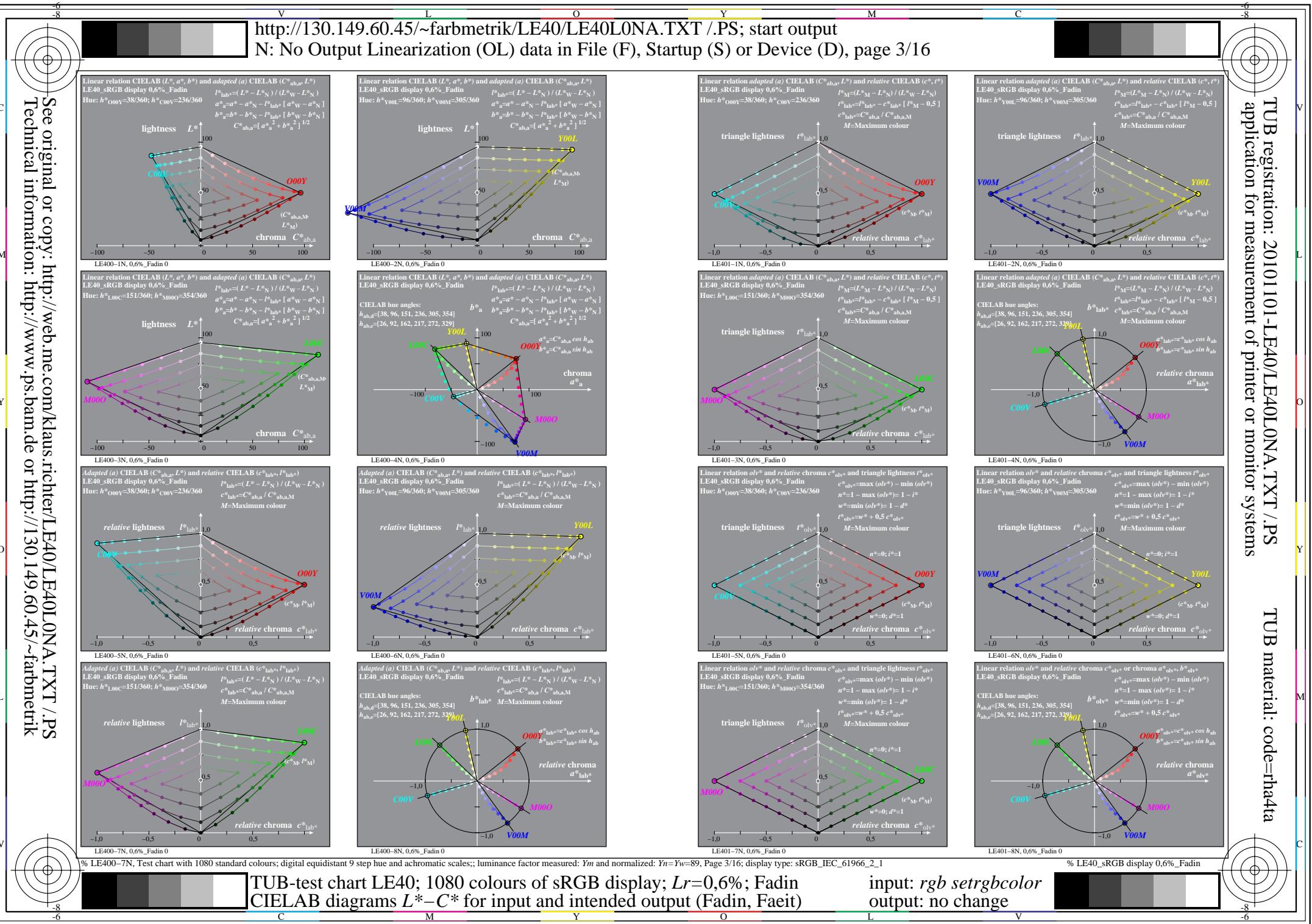
TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB application for measurement of printer or monitor systems



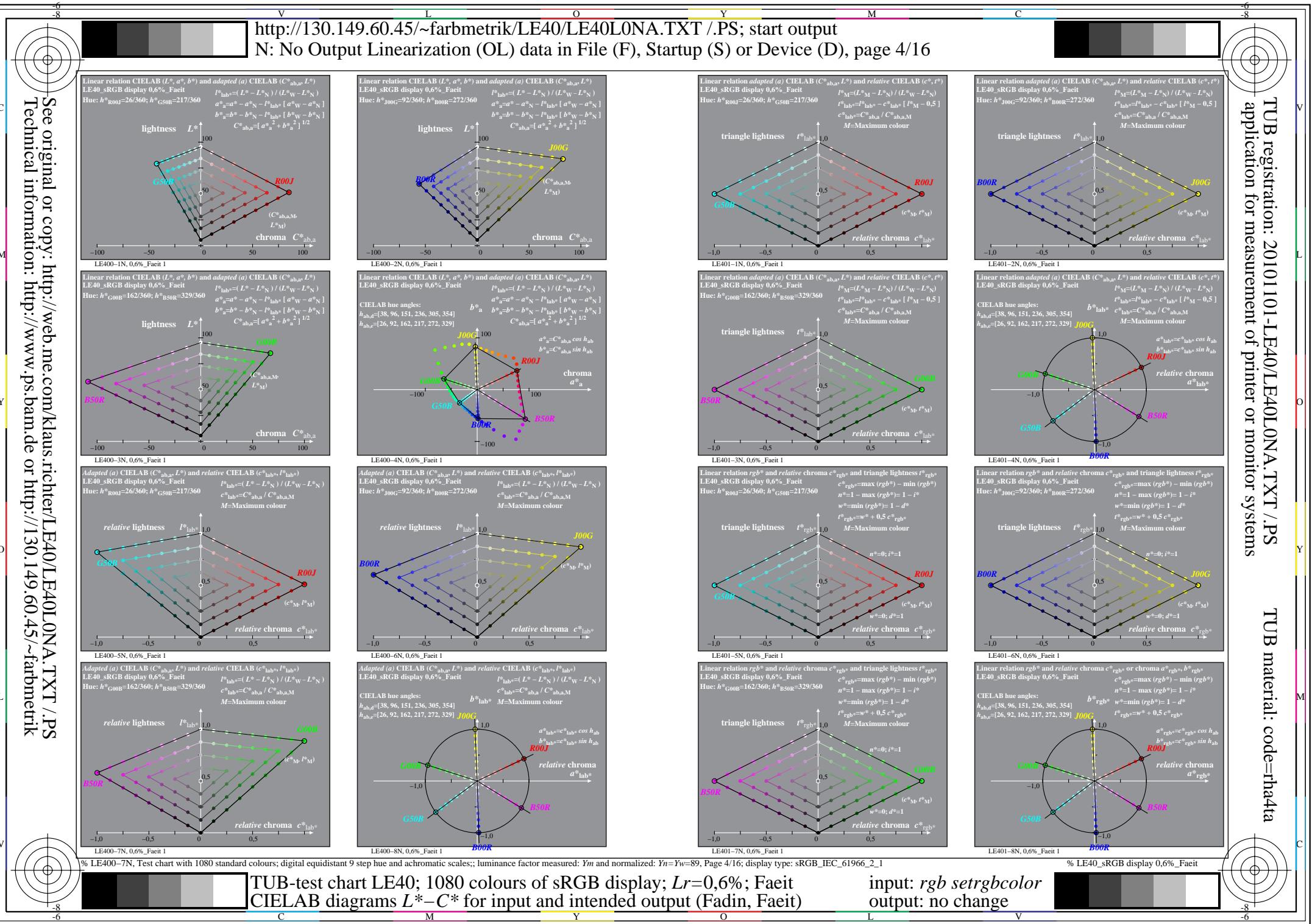
TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB application for measurement of printer or monitor systems



TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB application for measurement of printer or monitor systems



TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB material: code=rha4ta



application for measurement of printer or monitor systems

V L O Y M C



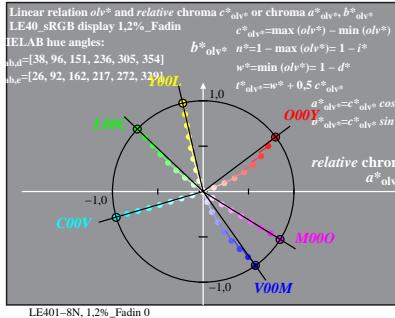
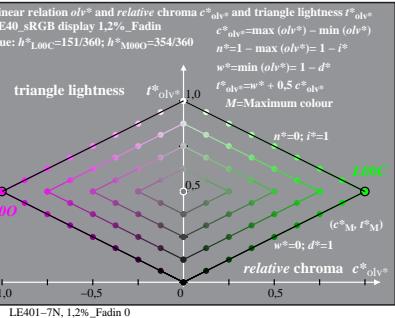
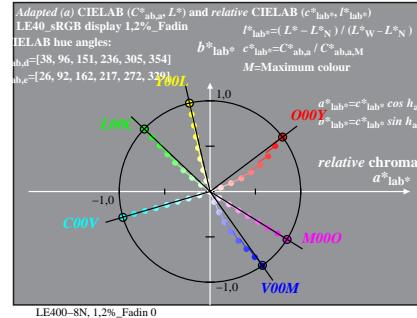
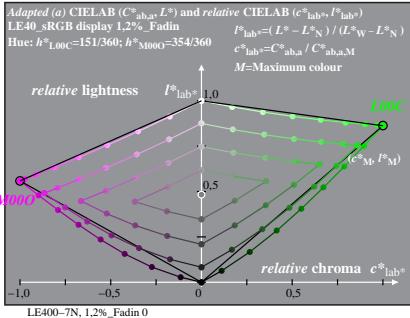
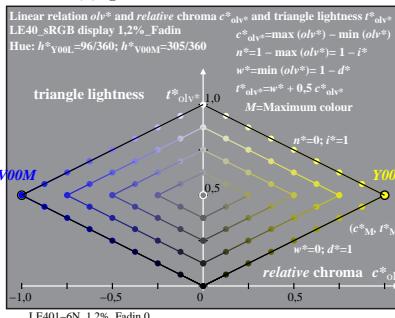
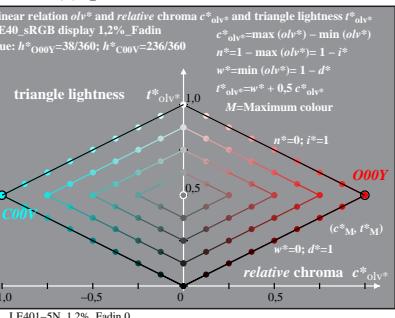
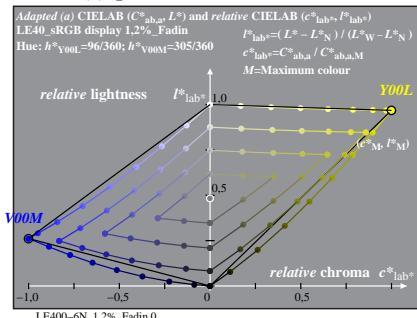
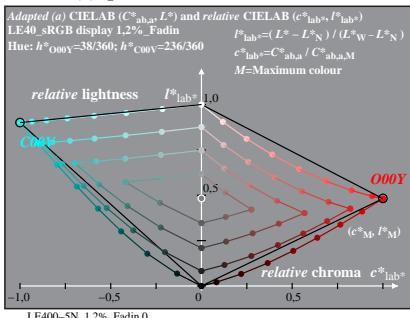
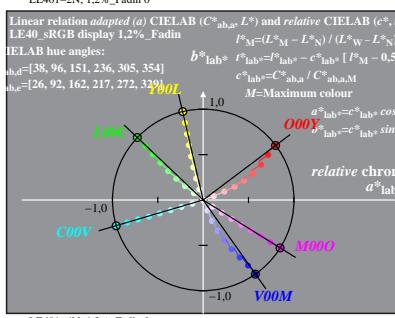
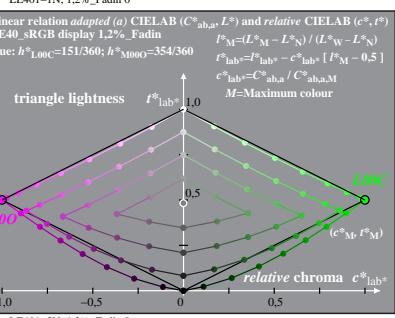
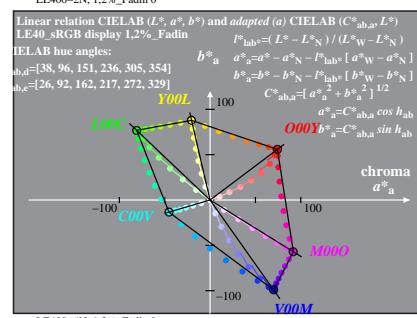
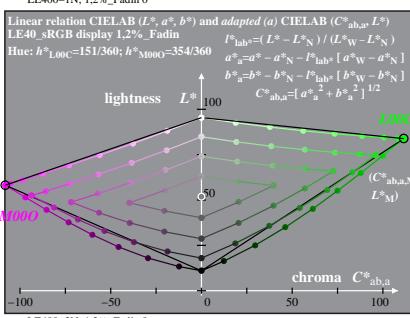
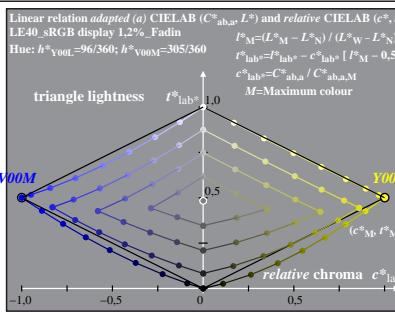
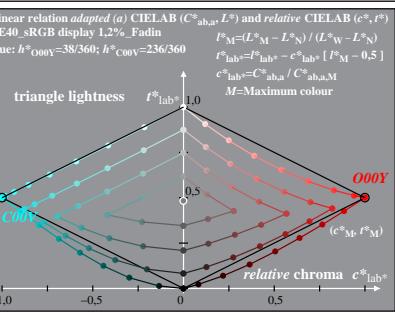
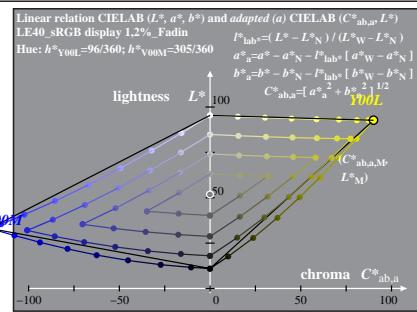
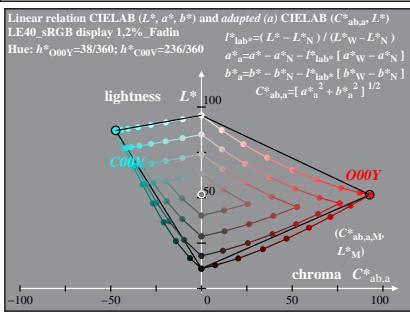
http://130.149.60.45/~farbmefrik/LE40/LE40L0NA.TXT /PS; start output

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 5/16



See original or copy: http://web.me.com/klaus_richter/LE40/LE40L0NA.TXT /PS

Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmefrik>



% LE40-7N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured: \bar{Y}_m and normalized: $\bar{Y}_n=\bar{Y}_m/89$, Page 5/16; display type: sRGB_IEC_61966_2_1



input: `rgb setrgbcolor`
output: no change



TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB material: code=rha4ta



<http://130.149.60.45/~farbmefrik/LE40/LE40L0NA.TXT /PS>; start output

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 6/16

See original or copy: http://web.me.com/klaus_richter/LE40/LE40L0NA.TXT /PS

C

M

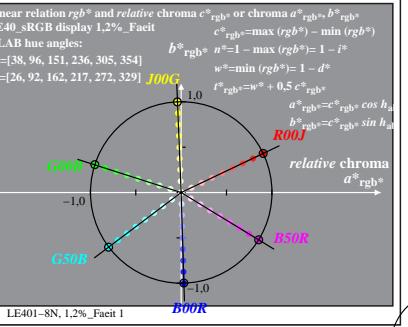
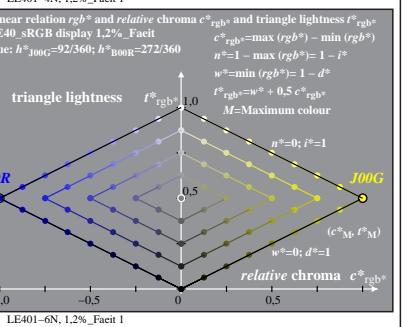
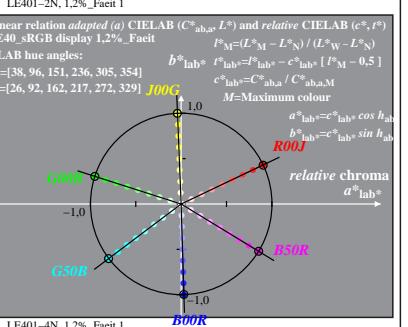
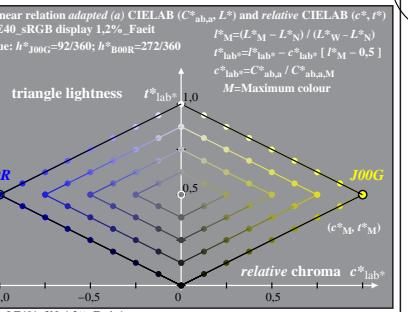
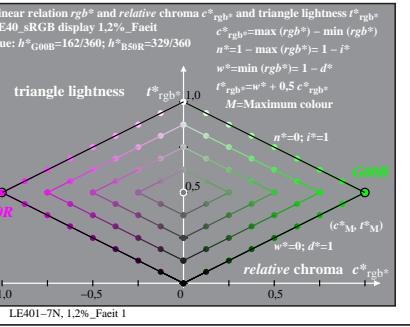
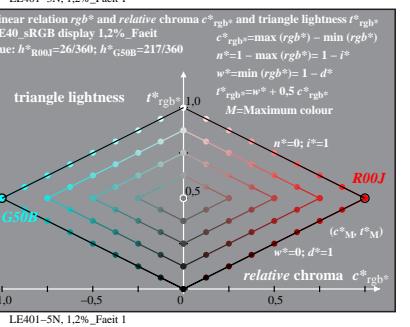
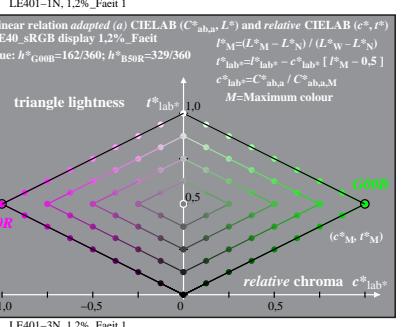
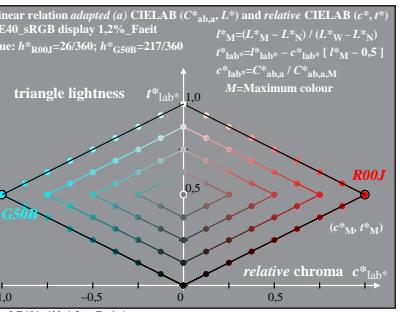
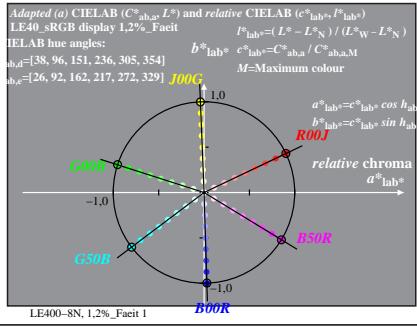
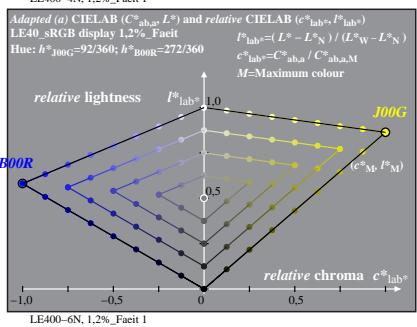
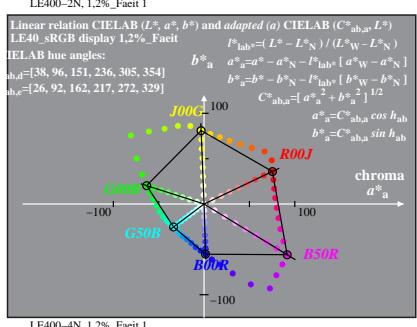
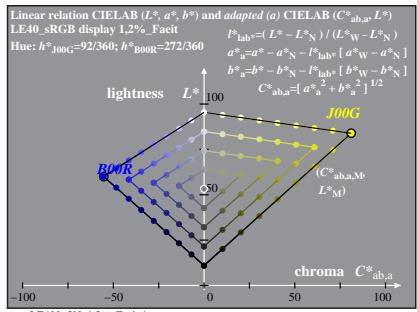
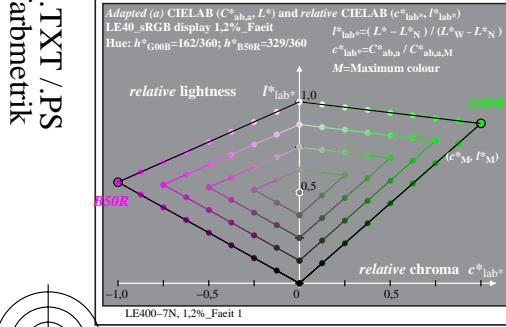
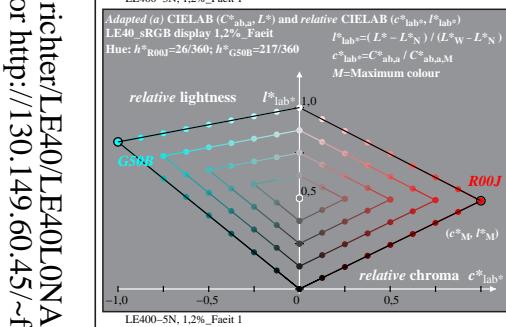
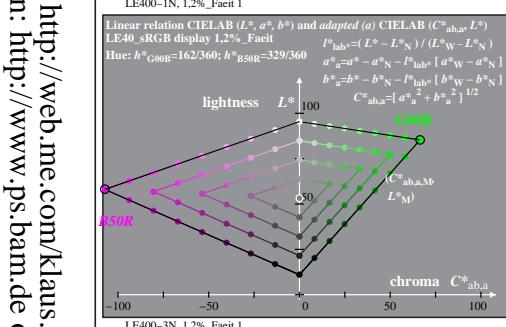
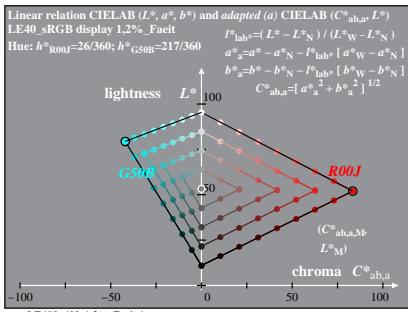
Y

O

L

V

-8



% LE400-7N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured: Y_m and normalized: $Y_n=Y_m/89$, Page 6/16; display type: sRGB_IEC_61966_2_1

TUB-test chart LE40; 1080 colours of sRGB display; $Lr=1,2\%$; Faeit
CIELAB diagrams L^*-C^* for input and intended output (Fadin, Faeit)

input: rgb setrgbcolor
output: no change

% LE40_sRGB display 1,2% Faeit

TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB material: code=rha4ta



TUB-test chart LE40; 1080 colours of sRGB display; $Lr=2,5\%$; Fadin
CIELAB diagrams L^*-C^* for input and intended output (Fadin, Faeit)

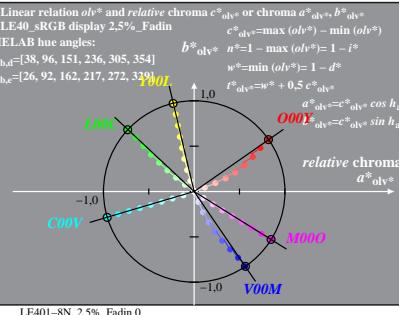
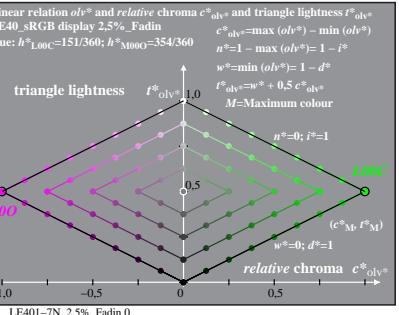
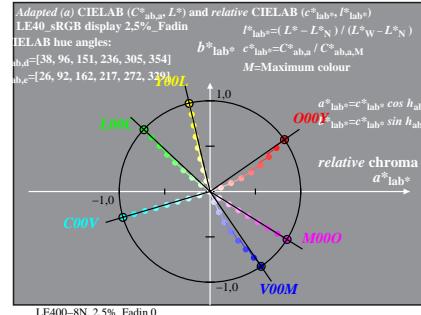
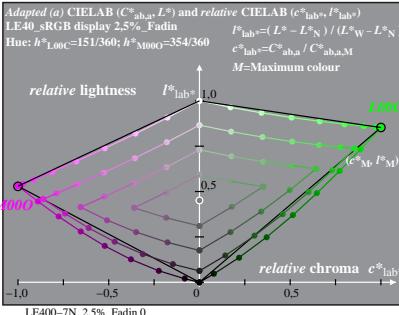
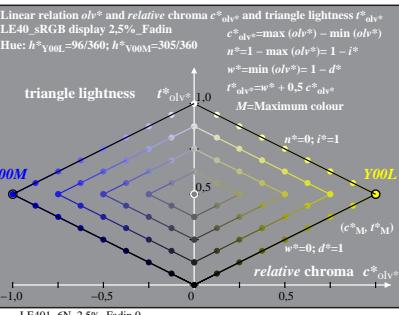
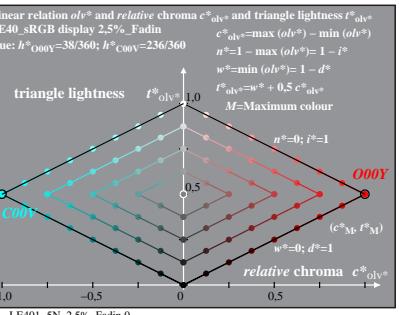
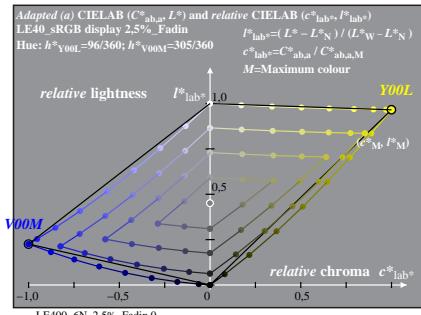
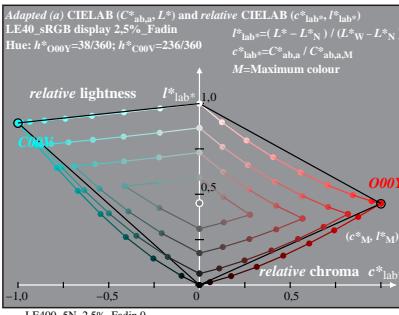
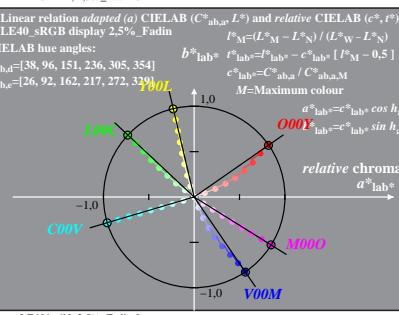
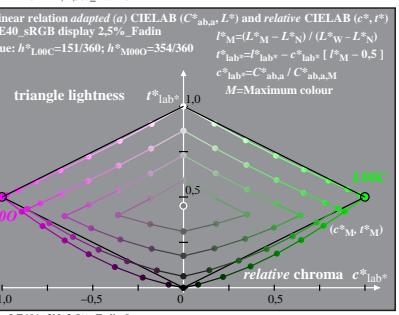
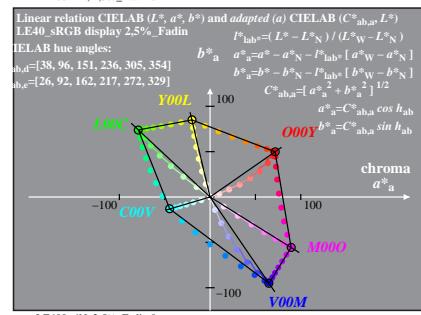
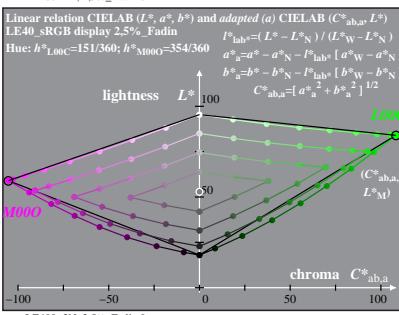
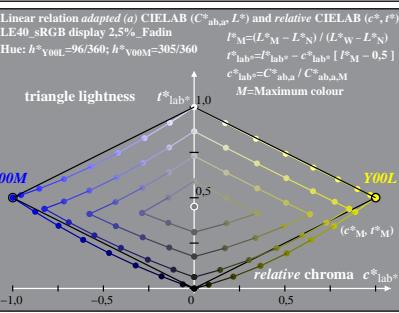
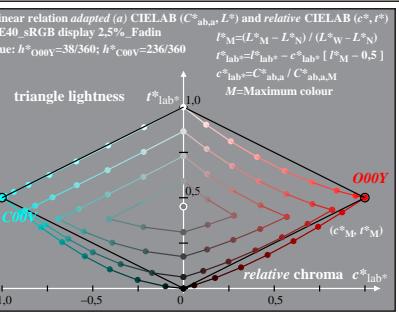
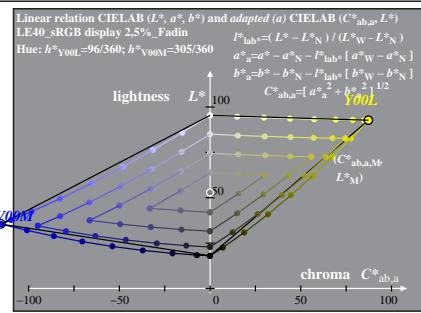
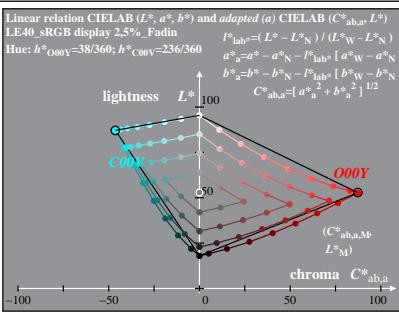
input: `rgb setrgbcolor`
output: no change

<http://130.149.60.45/~farbmefrik/LE40/LE40L0NA.TXT /PS>; start output

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 7/16



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% LE40-7N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured: Ym and normalized: $Yn=Ym/89$, Page 7/16; display type: sRGB_IEC_61966_2_1

% LE40_sRGB display 2,5%_Fadin

TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB material: code=rha4ta



TUB registration: 20101101-LE40/LE40L0NA.TXT /PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

TUB-test chart LE40; 1080 colours of sRGB display; $Lr=5\%$; Fadin
CIELAB diagrams L^*-C^* for input and intended output (Fadin, Faeit)

input: `rgb setrgbcolor`
output: no change

<http://130.149.60.45/~farbmefrik/LE40/LE40L0NA.TXT /PS>; start output

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 9/16



C

C

M

M

Y

Y

O

O

L

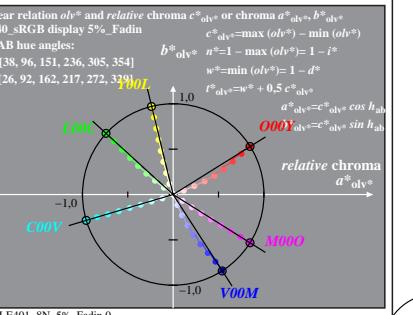
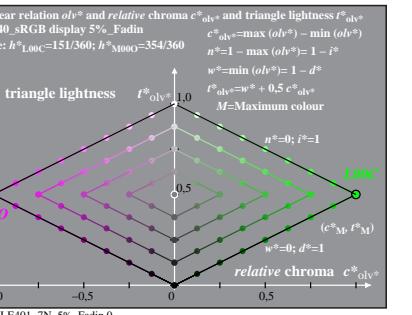
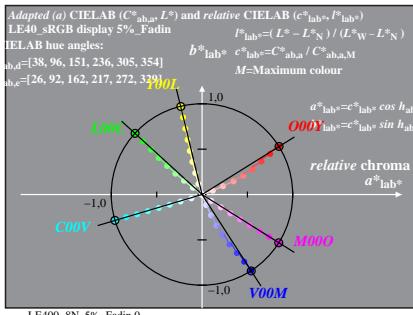
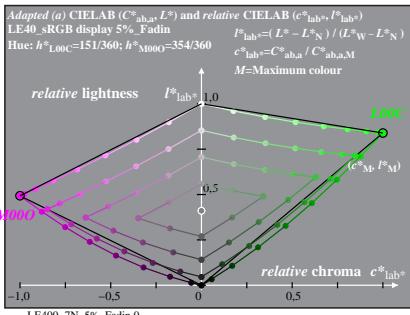
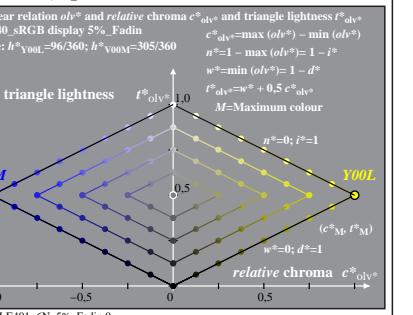
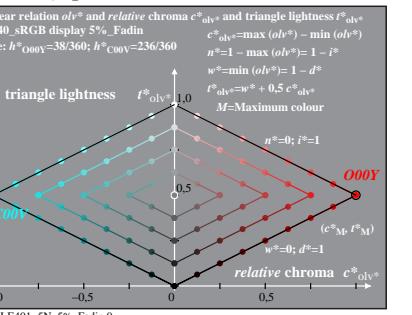
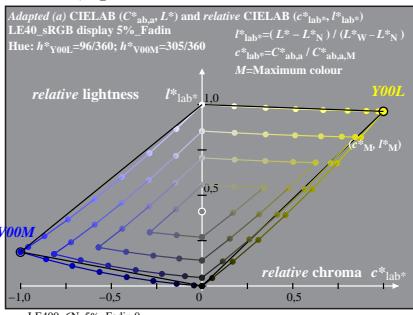
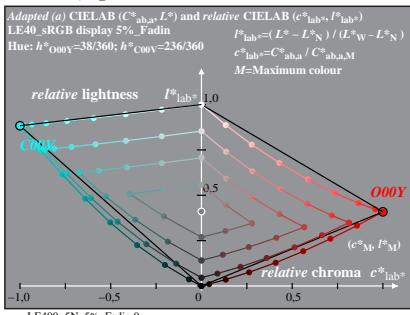
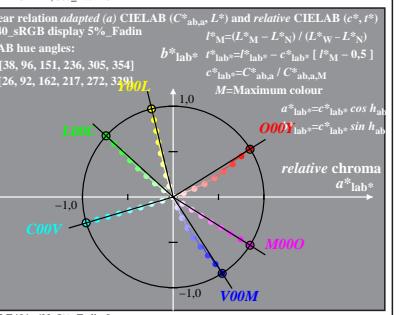
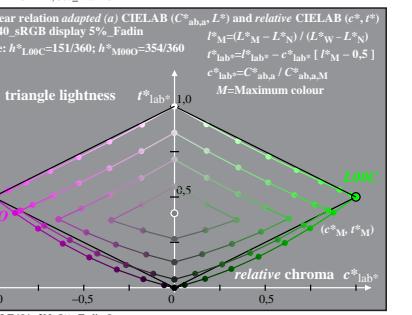
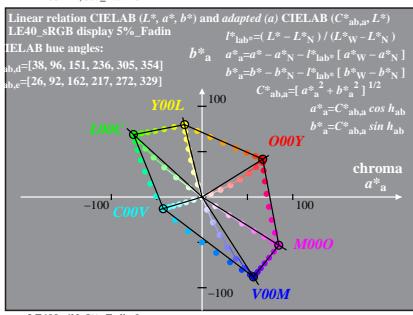
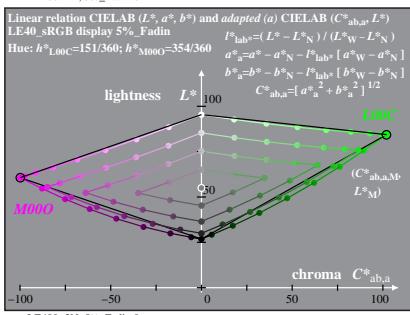
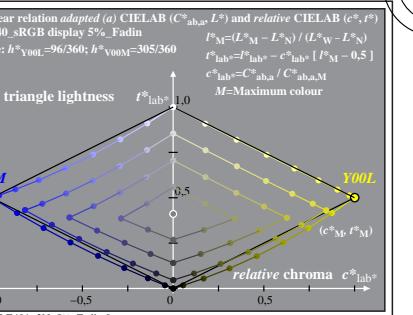
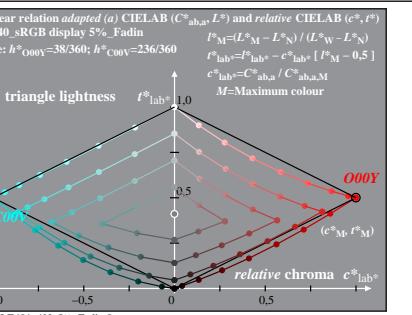
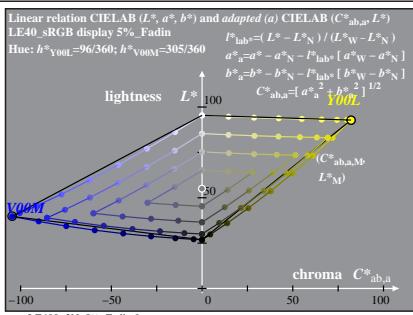
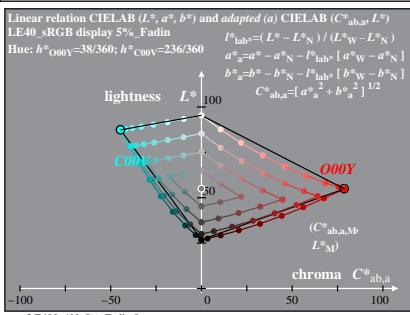
L

V

V

Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmefrik/LE40/LE40L0NA.TXT /PS>

See original or copy: http://web.me.com/klaus_richter/LE40/LE40L0NA.TXT /PS



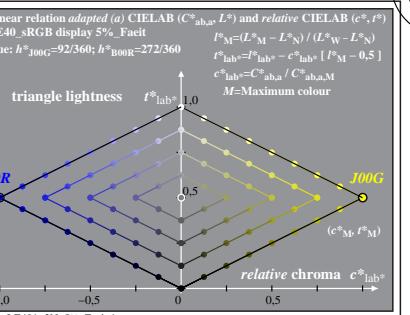
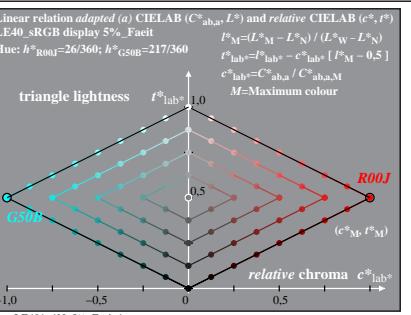
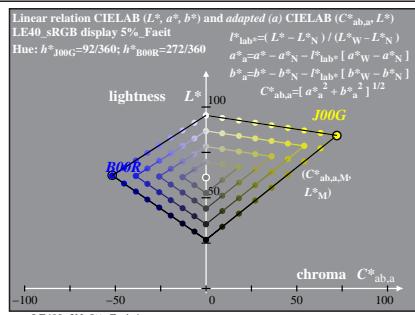
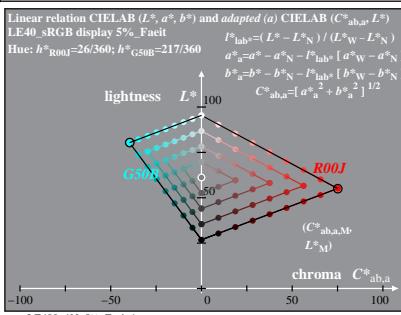
% LE40-7N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured: Y_m and normalized: $Y_n=Y_m/89$, Page 9/16; display type: sRGB_IEC_61966_2_1

% LE40_sRGB display 5% Fadin

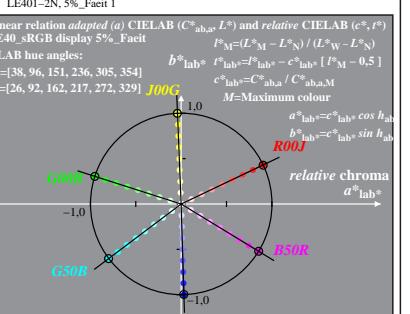
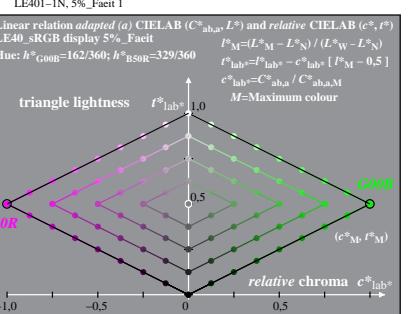
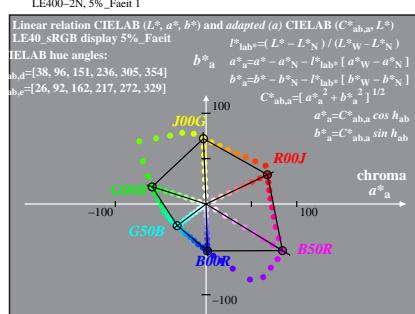


<http://130.149.60.45/~farbmetrik/LE40/LE40L0NA.TXT> /.PS; start output

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 10/16



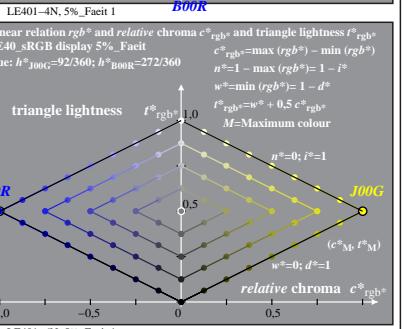
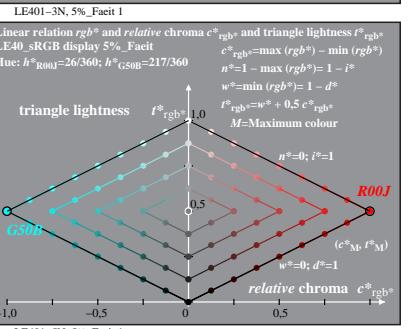
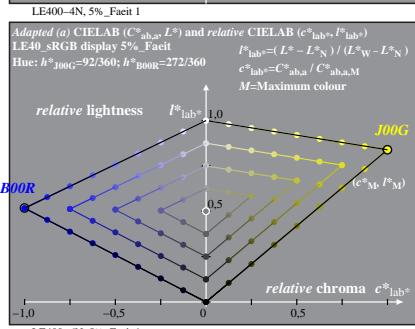
ANSWER



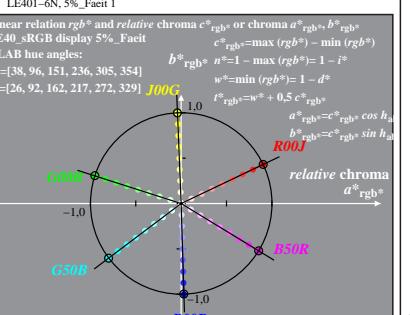
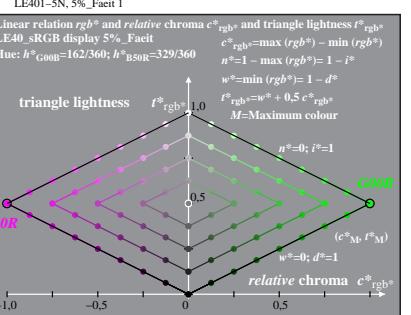
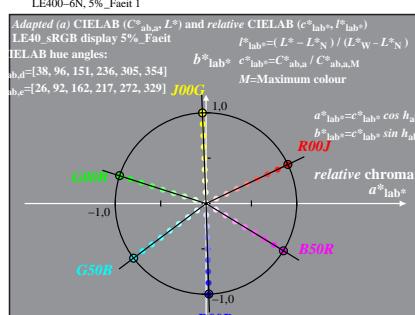
Page 1 of 1

The figure illustrates the CIELAB color space, specifically the L* (relative lightness), a* (relative chroma), and b* (relative chroma) axes. It shows several color paths and points, including:

- Adapted (a)**: CIELAB (C^*_lab, L^*) and relative CIELAB (c^*_lab, L^*)
- LE40**: SRGB display 5% Faicit
- Hue**: $h^*_{R002}=26/360; h^*_{G50B}=217/360$
- L^{*}**: $L^*=-(L^*-L^*_N)/(L^*_W-L^*_N)$
- c^{*}**: $c^*_\text{lab}=C^*_\text{lab}/C^*_\text{lab,M}$
- M**: Maximum colour
- GSB**: A cyan line representing the Gamut-Saturation-Brightness model.
- R002**: A red line representing the R002 model.
- G50B**: A blue line representing the G50B model.
- Relative lightness**: The vertical axis (L^*).
- Relative chroma**: The horizontal axes (c^*_lab).

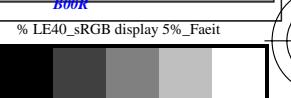
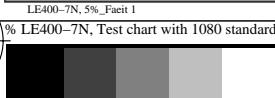


2000-10-2



LE400-8N, 5%,_Faeit 1 **BOOK** LE401-7N, 5%,_Faeit 1
 colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured: Y_m and normalized: $Y_n=Y_w=89$, Page 10/16; display type: sRGB
TUB-test chart LE40; 1080 colours of sRGB display; $L_r=5\%$; Faeit CIELAB diagrams L^*-C^* for input and intended output (Fadin, Faeit)

input: *rgb setrgbcolor*
output: no change



TÜB registration: 2010 101-LE40/LE40LONA.1X/PS application for measurement of printer or monitor systems

TUB material: code=rha4ta

TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB material: code=rha4ta

See original or copy: http://web.me.com/klaus_richter/LE40/LE40L0NA.TXT /PS

C

M

Y

O

L

V

TUB-test chart LE40; 1080 colours of sRGB display; $Lr=10\%$; Fadin
CIELAB diagrams L^*-C^* for input and intended output (Fadin, Faeit)

input: `rgb setrgbcolor`
output: no change

-8

6

C

M

Y

O

L

V

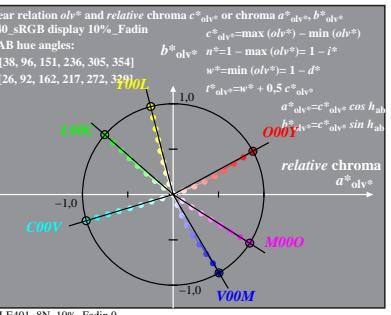
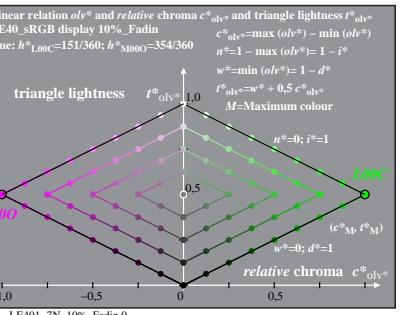
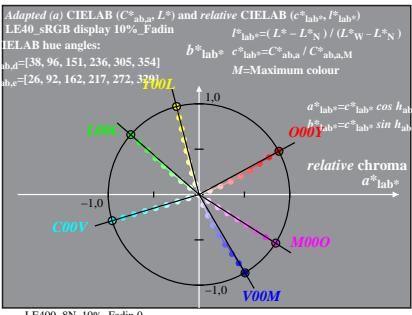
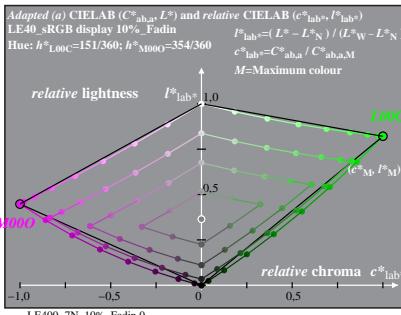
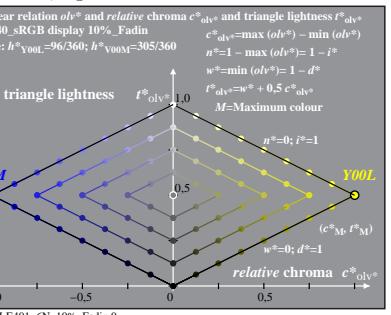
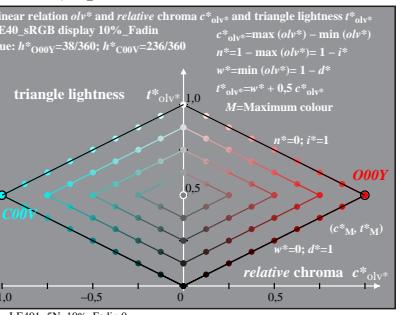
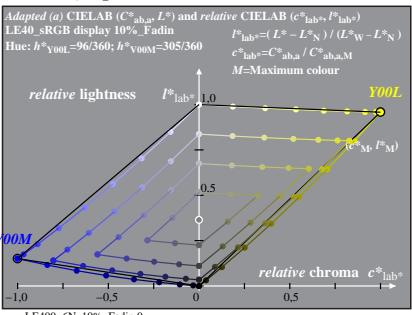
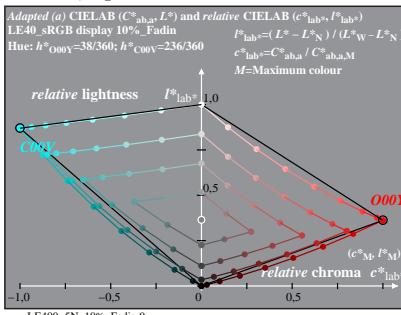
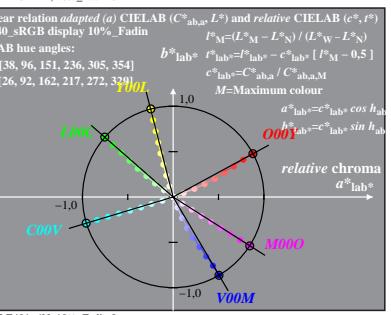
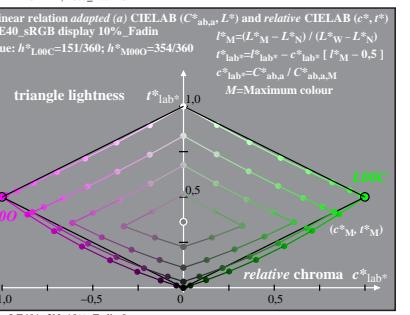
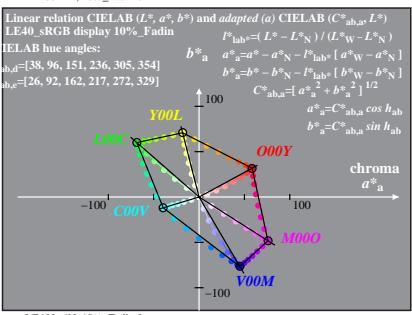
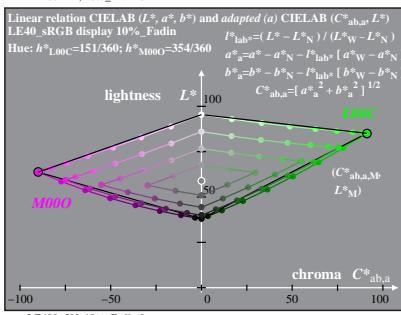
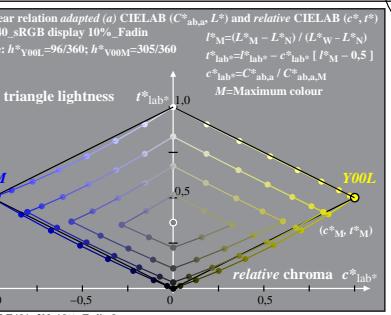
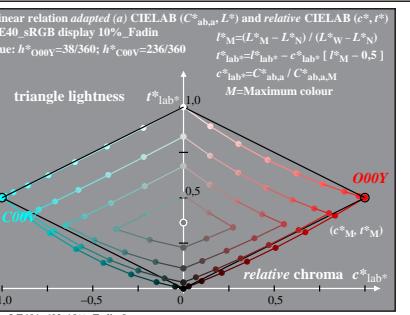
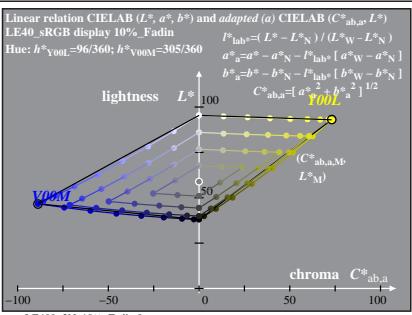
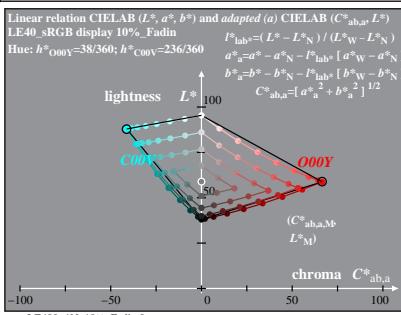
-8

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<http://130.149.60.45/~farbmefrik/LE40/LE40L0NA.TXT /PS>; start output

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 11/16



% LE40-7N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured: Y_m and normalized: $Y_n=Y_m=89$, Page 11/16; display type: sRGB_IEC_61966_2_1

% LE40_sRGB display 10%_Fadin

TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB material: code=rha4ta



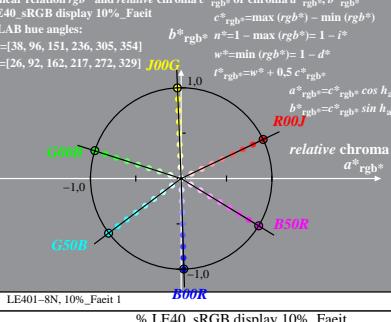
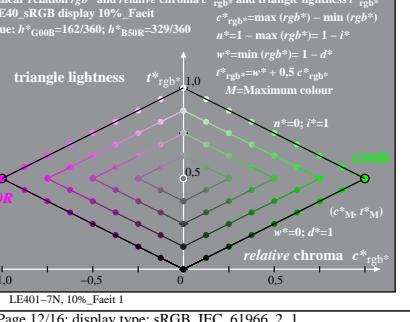
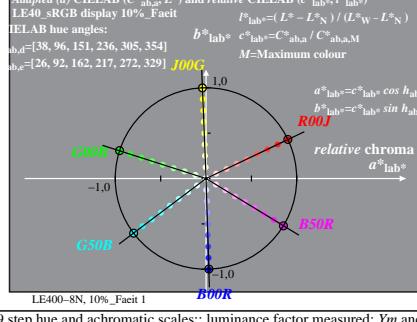
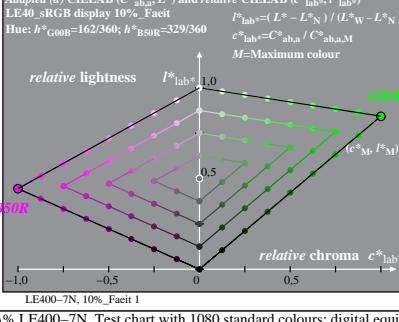
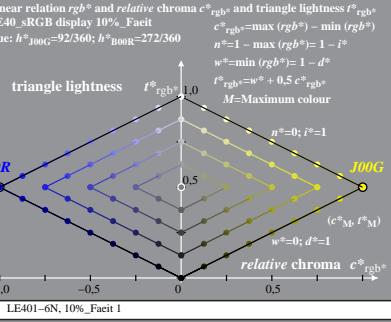
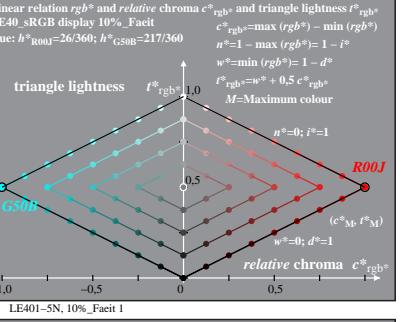
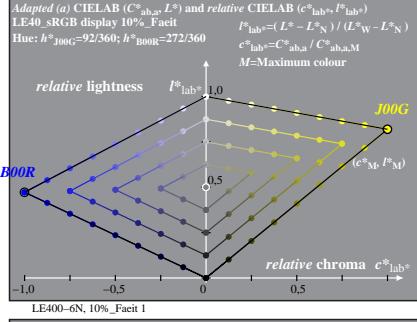
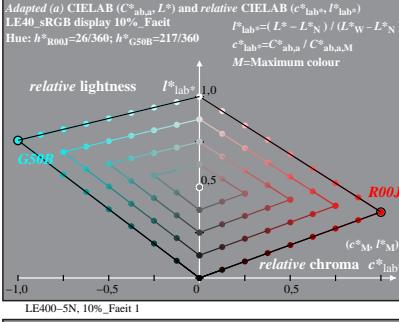
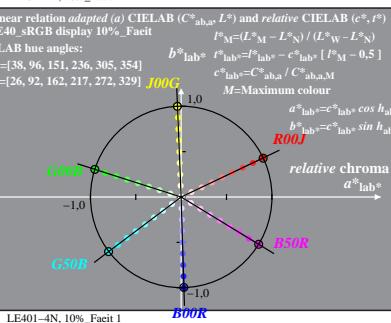
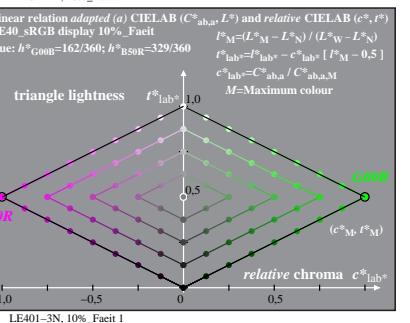
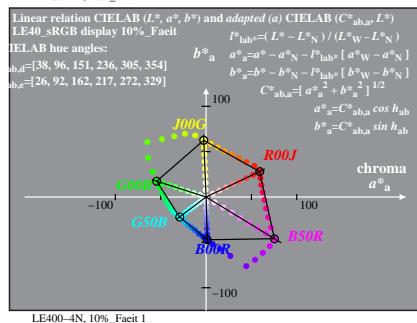
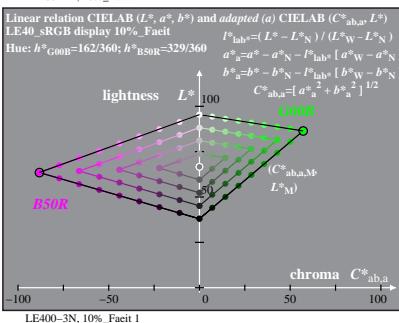
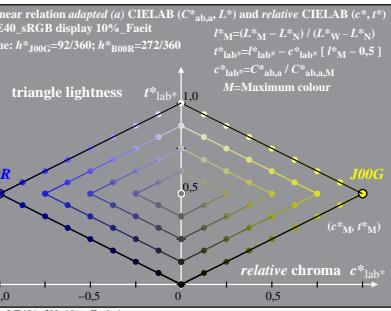
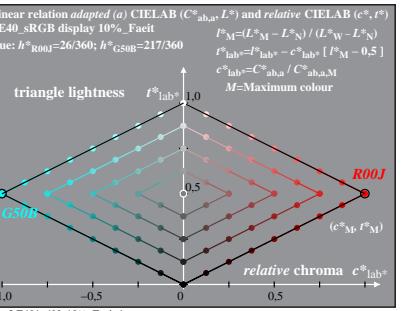
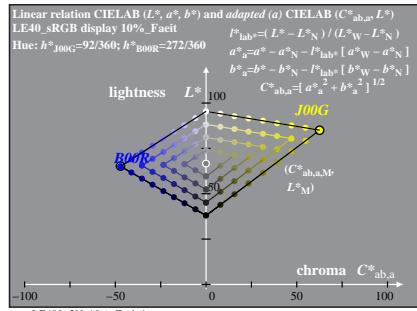
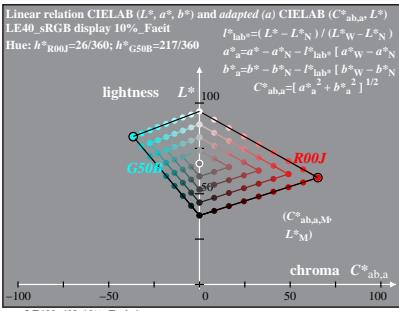
<http://130.149.60.45/~farbmefrik/LE40/LE40L0NA.TXT /PS>; start output

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 12/16

TUB-test chart LE40; 1080 colours of sRGB display; $Lr=10\%$; Faeit
CIELAB diagrams L^*-C^* for input and intended output (Fadin, Faeit)

input: $rgb\ setrgbcolor$
output: no change

% LE40-7N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured: Ym and normalized: $Yn=Yw=89$, Page 12/16; display type: sRGB_IEC_61966_2_1



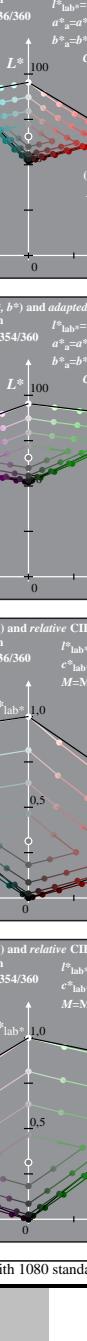
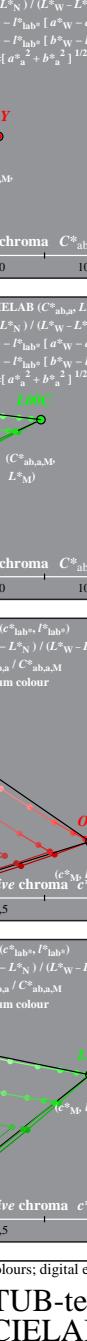
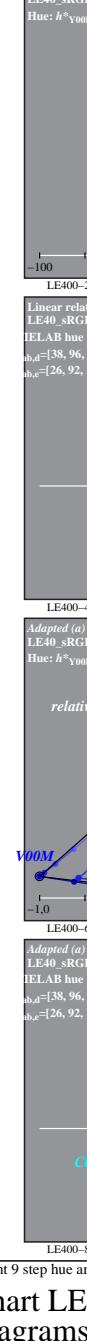
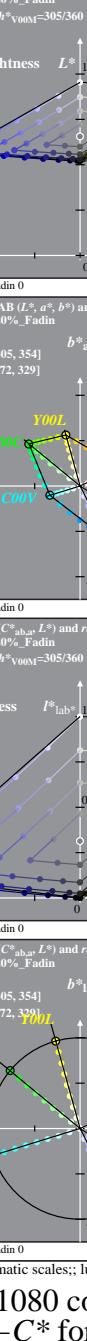
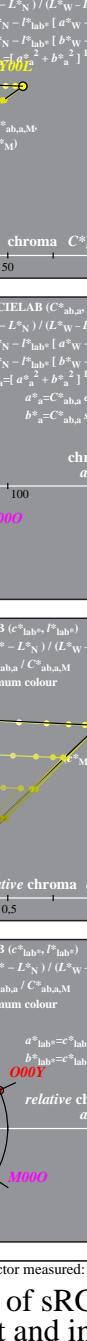
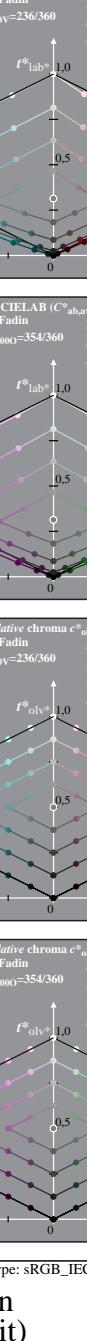
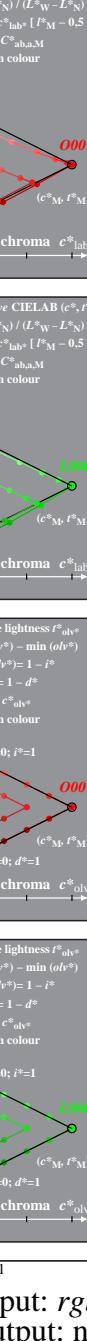
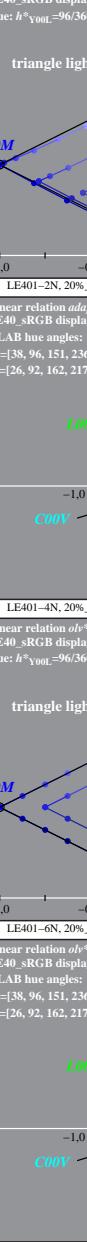
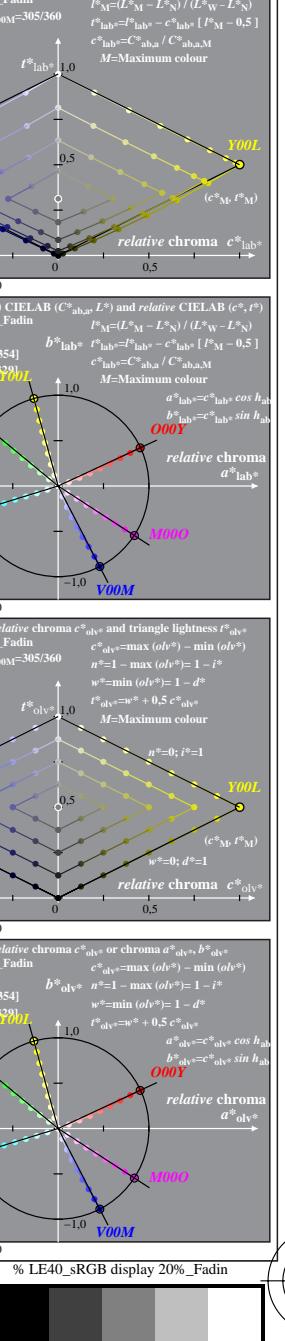
% LE40-7N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured: Ym and normalized: $Yn=Yw=89$, Page 12/16; display type: sRGB_IEC_61966_2_1

% LE40_sRGB display 10%_Faeit

TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB material: code=rha4ta

application for measurement of printer or monitor systems



TUB-test chart LE40; 1080 colours of sRGB display; $Lr=20\%$; Fadin
CIELAB diagrams L^*-C^* for input and intended output (Fadin, Faeit)

input: `rgb setrgbcolor`
output: no change

See original or copy: http://web.me.com/klaus_richter/LE40/LE40L0NA.TXT /PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbm>

TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB material: code=rha4ta



TUB-test chart LE40; 1080 colours of sRGB display; $Lr=20\%$; Faeit
CIELAB diagrams L^*-C^* for input and intended output (Fadin, Faeit)

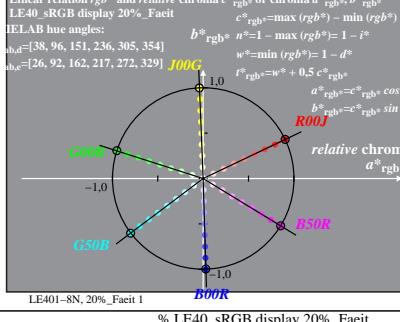
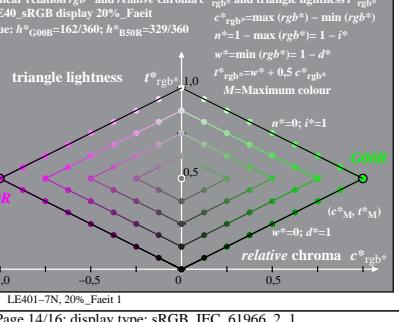
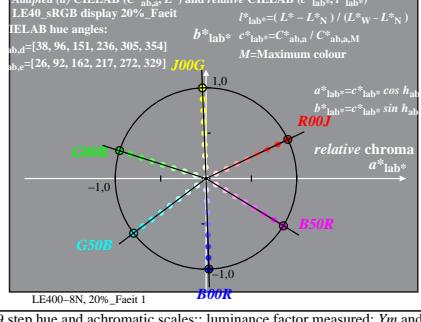
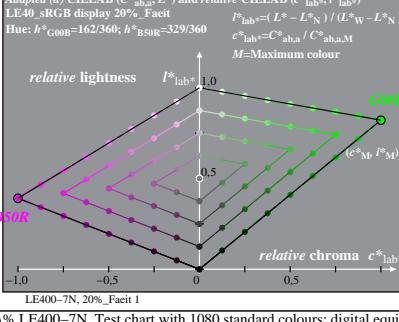
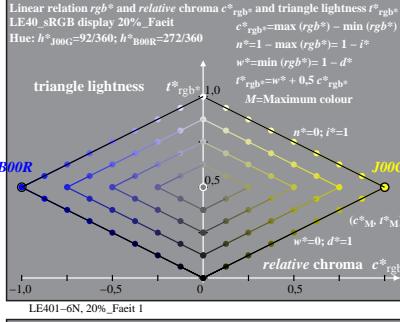
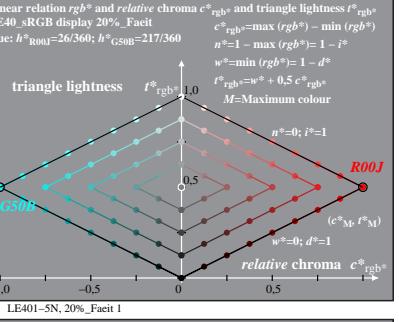
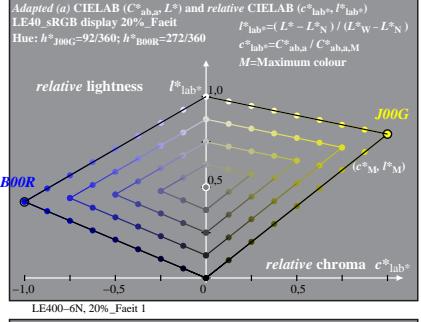
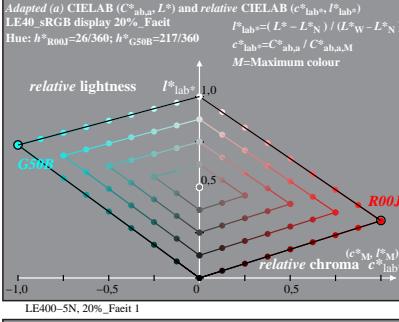
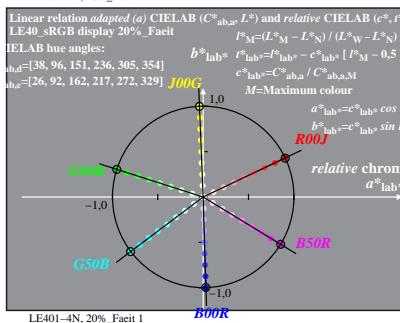
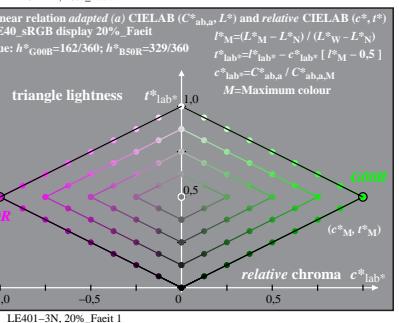
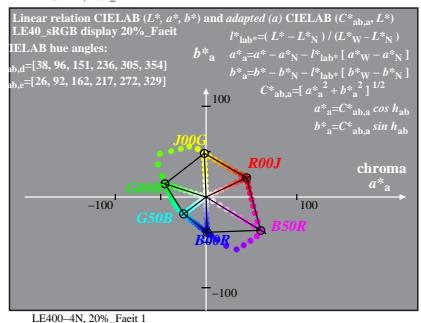
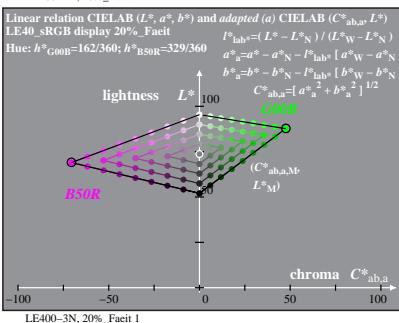
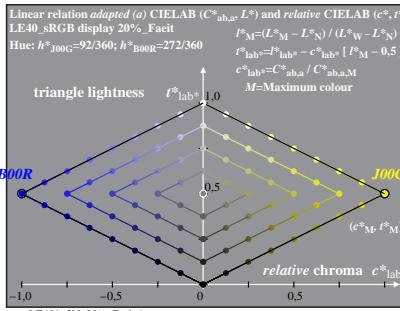
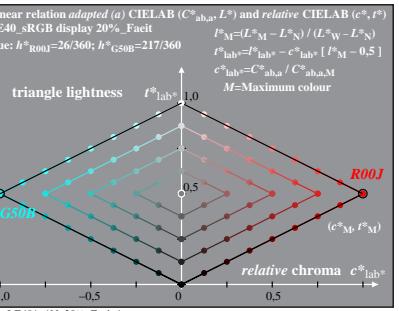
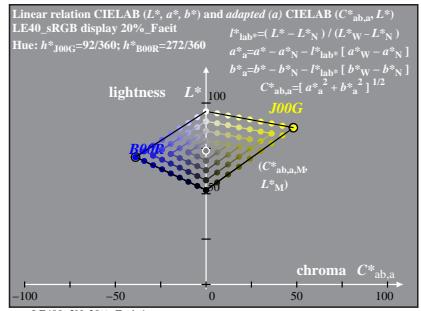
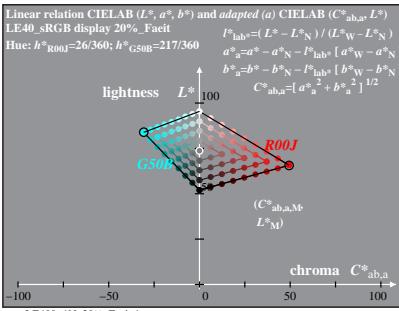
input: $rgb\ setrgbcolor$
output: no change

http://130.149.60.45/~farbmefrik/LE40/LE40L0NA.TXT /PS; start output

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 14/16



See original or copy: http://web.me.com/klaus_richter/LE40/LE40L0NA.TXT /PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmefrik>

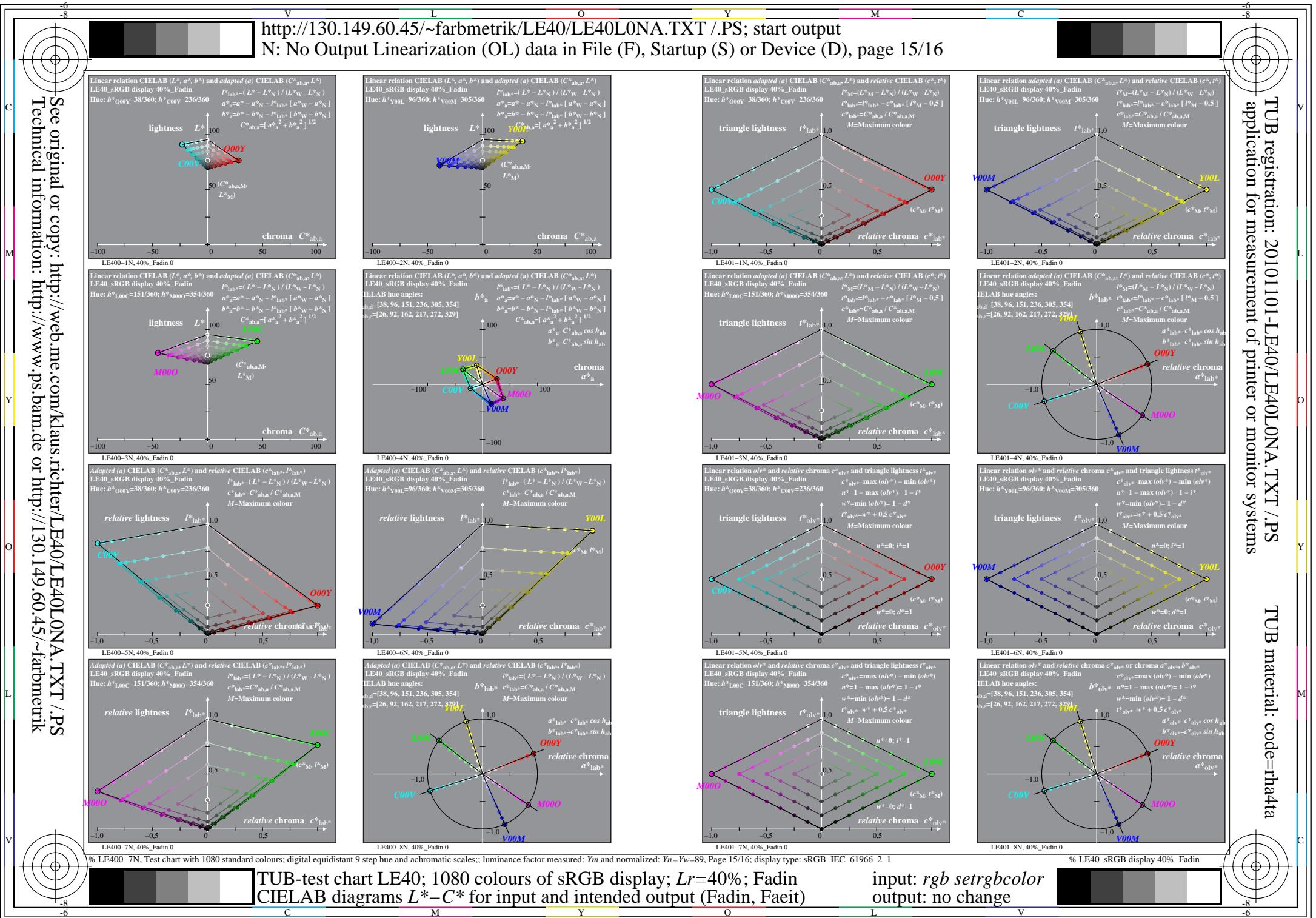


% LE40-7N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured: Y_m and normalized: $Y_n=Y_m=89$, Page 14/16; display type: sRGB_IEC_61966_2_1

% LE40_sRGB display 20%_Faeit

TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB material: code=rha4ta



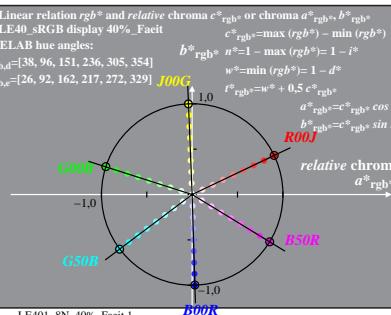
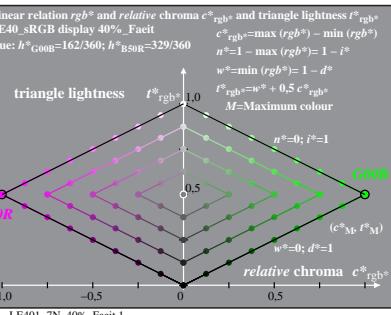
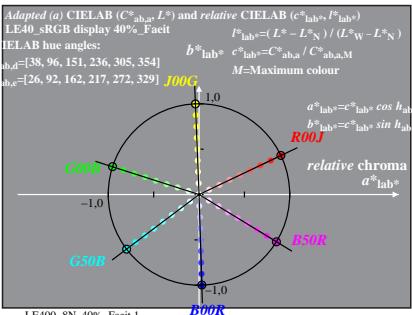
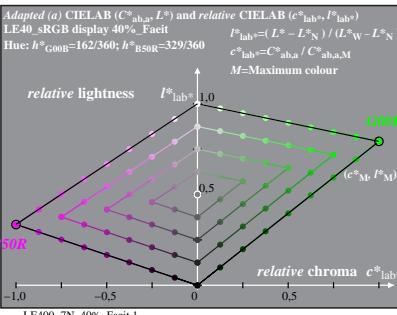
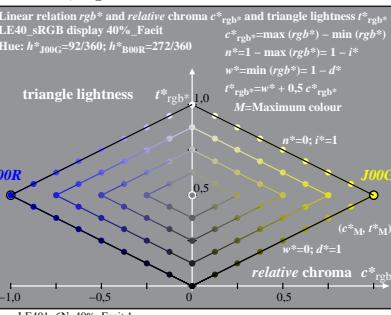
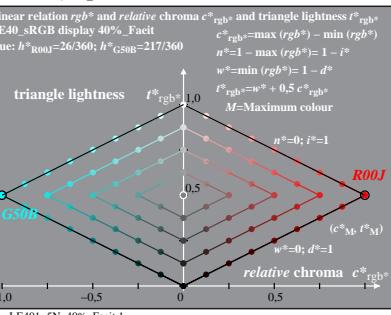
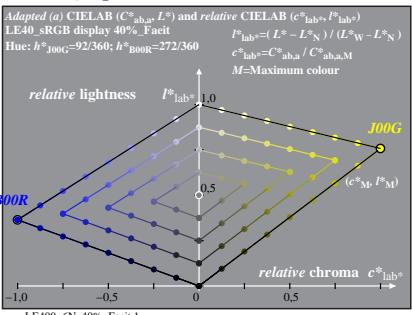
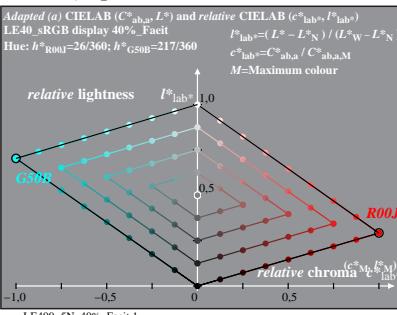
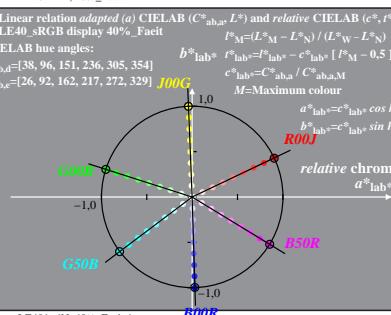
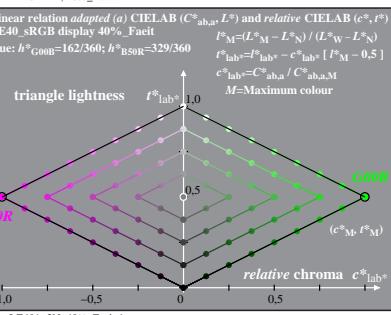
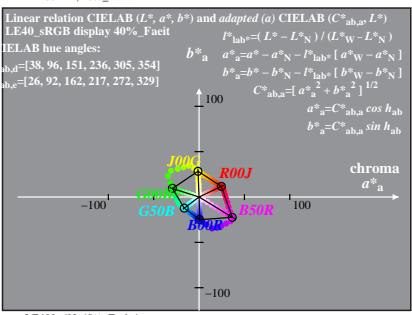
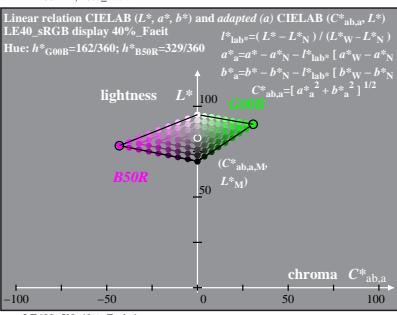
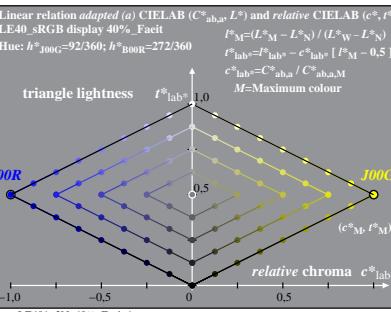
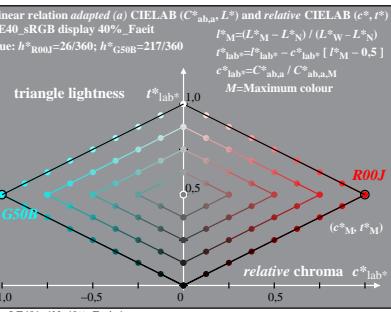
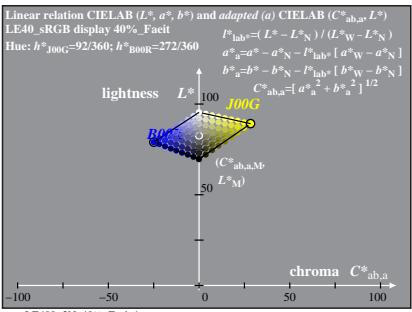
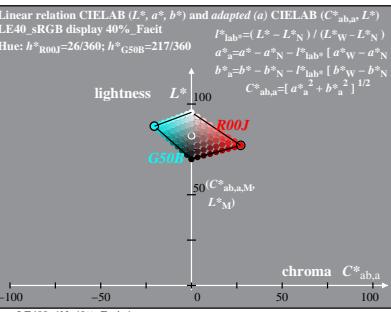
TUB registration: 20101101-LE40/LE40L0NA.TXT /PS

TUB material: code=rha4ta



V L O Y M C

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 16/16



% LE400-7N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured: Y_m and normalized: $Y_n=Y_m=89$, Page 16/16; display type: sRGB_IEC_61966_2_1
TUB-test chart LE40; 1080 colours of sRGB display; $Lr=40\%$; Faeit
CIELAB diagrams L^*-C^* for input and intended output (Fadin, Faeit)

input: rgb setrgbcolor
output: no change

C

M

Y

O

L

V

C

C

Y

O

L

V