

# TUB registration: 20101101-LE49/LE49L0NA.TXT /PS

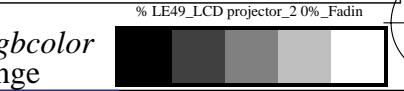
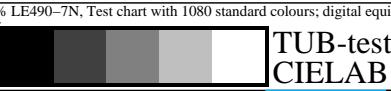
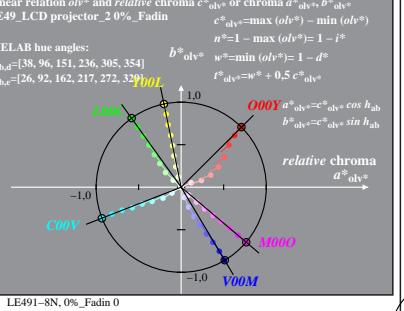
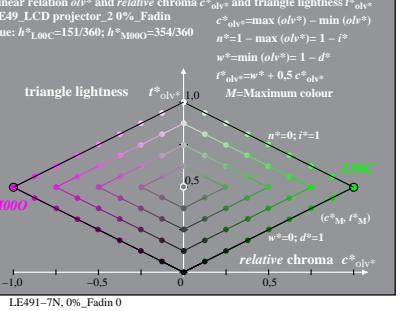
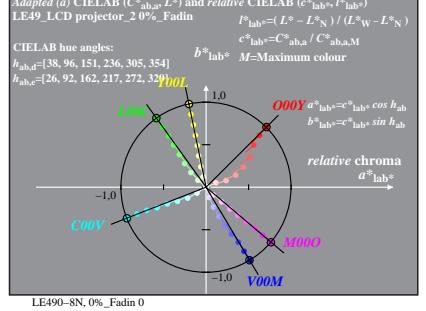
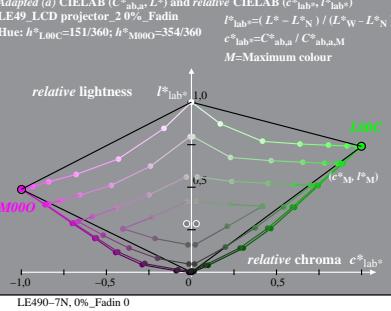
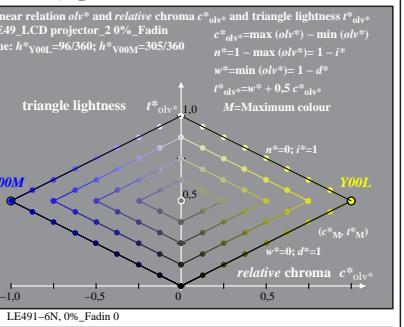
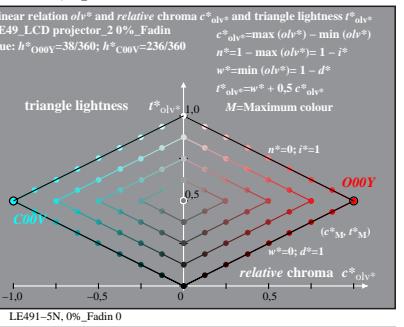
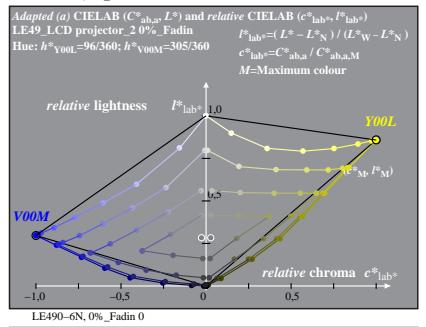
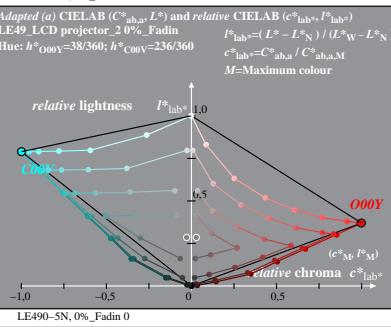
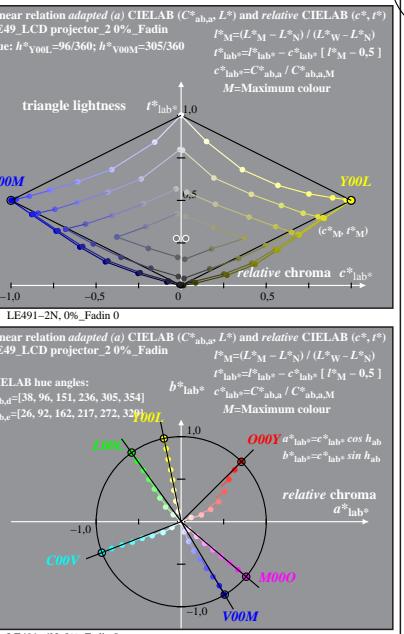
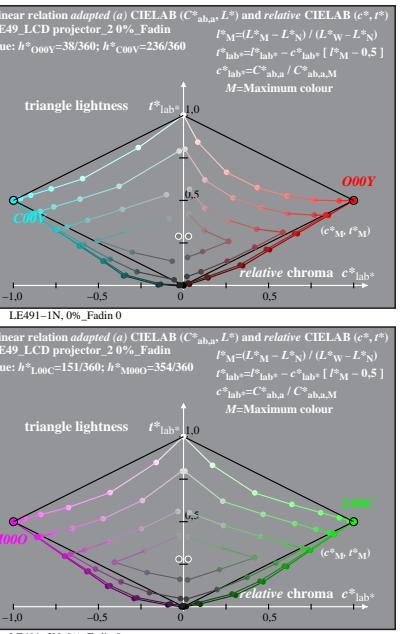
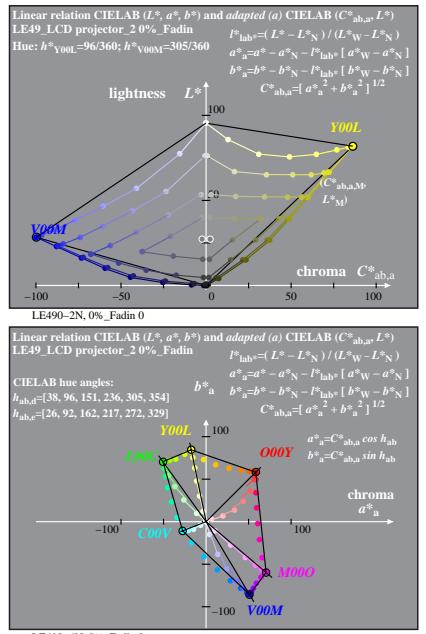
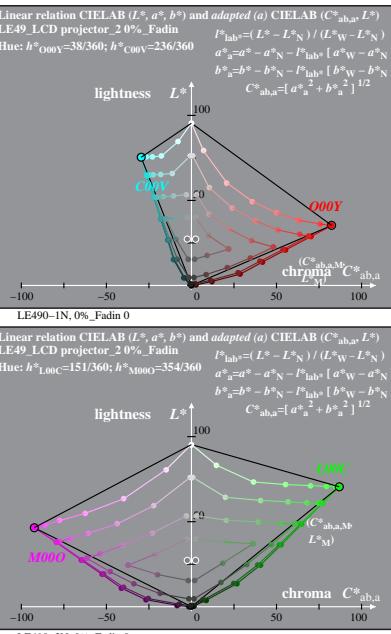
TUB material: code=rha4ta

application for measurement of printer or monitor systems

See original or copy: [http://web.me.com/klaus\\_richter/LE49/LE49L0NA.TXT /PS](http://web.me.com/klaus_richter/LE49/LE49L0NA.TXT /PS)  
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmefrik>

TUB-test chart LE49; 1080 colours of LCD projector\_2; Lr=0%; Fadin  
CIELAB diagrams  $L^*-C^*$  for input and intended output (Fadin, Fadit)

input: *rgb setrgbc*  
output: no change



# TUB registration: 20101101-LE49/LE49L0NA.TXT /PS

TUB material: code=rha4ta



<http://130.149.60.45/~farbmefrik/LE49/LE49L0NA.TXT /PS>; start output

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 2/16

C

M

Y

O

L

V

C

-8

8

-6

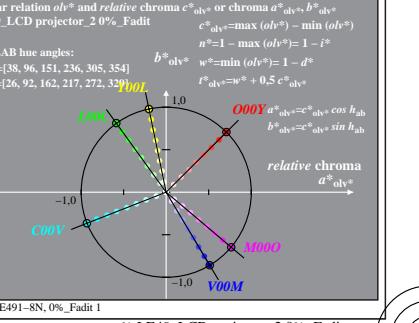
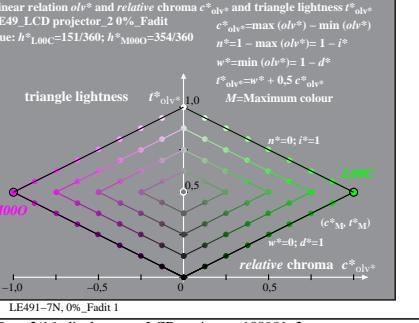
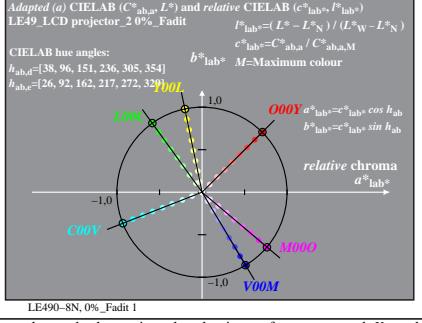
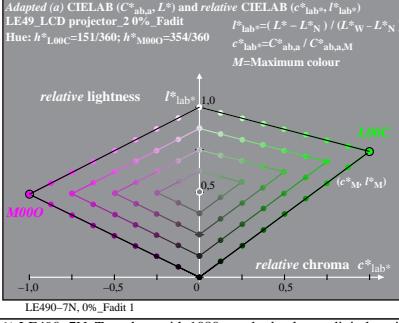
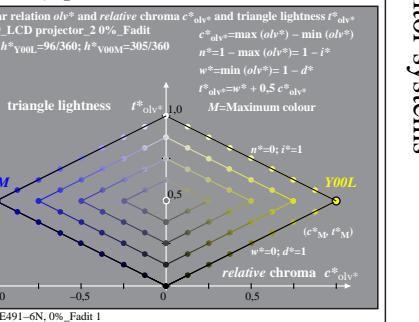
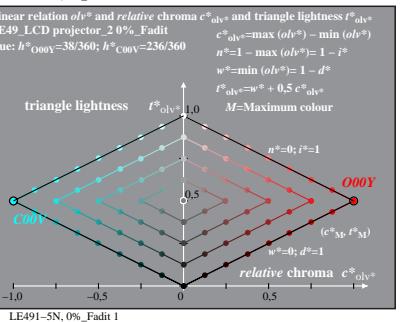
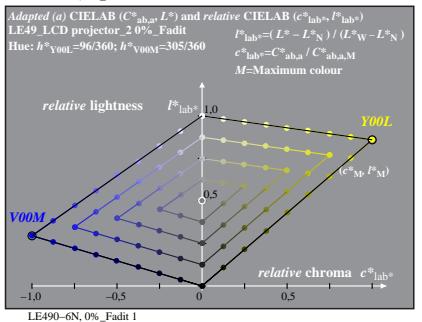
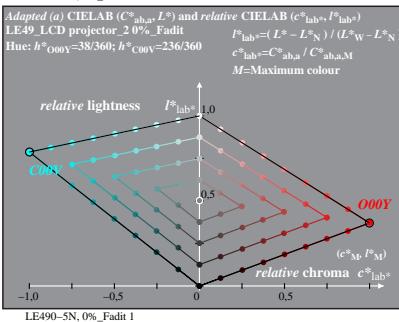
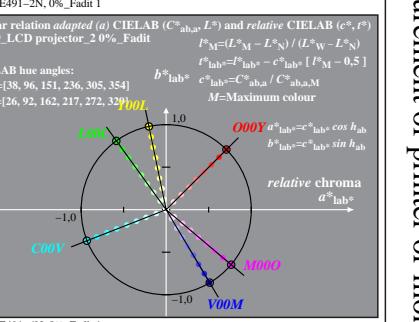
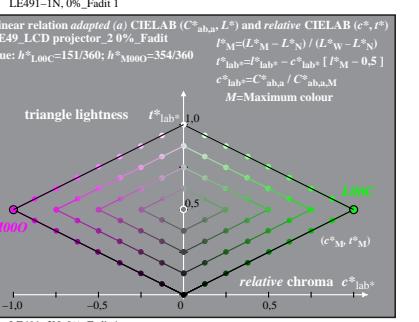
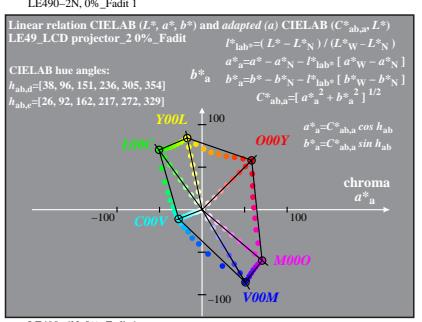
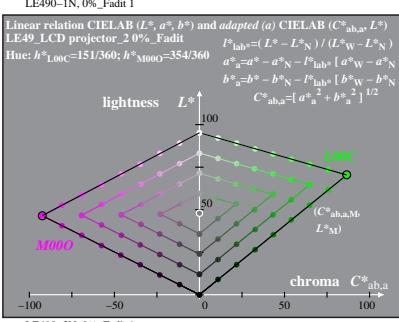
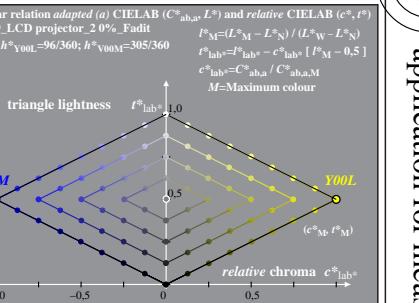
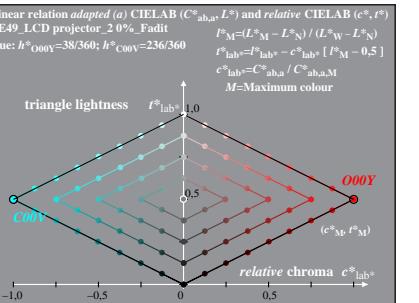
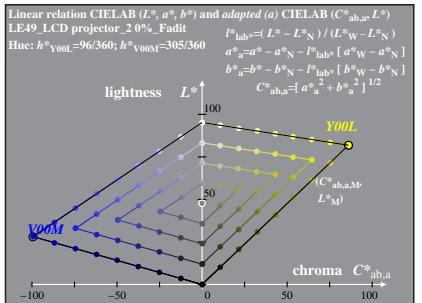
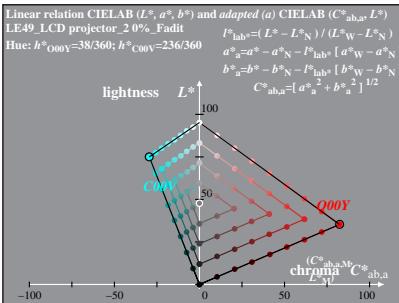
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TUB-test chart LE49; 1080 colours of LCD projector\_2;  $Lr=0\%$ ; Fadit  
CIELAB diagrams  $L^*-C^*$  for input and intended output (Fadin, Fadit)

input: `rgb setrgbcOLOR`  
output: no change



# TUB registration: 20101101-LE49/LE49L0NA.TXT /PS

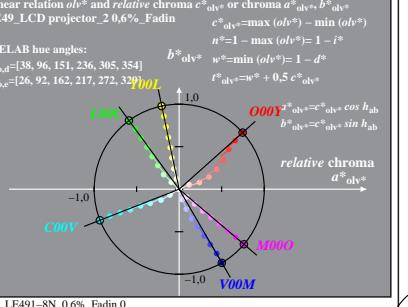
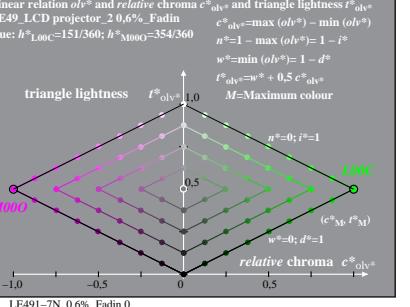
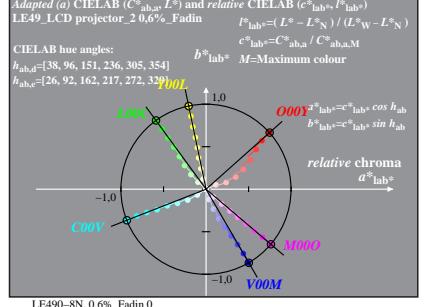
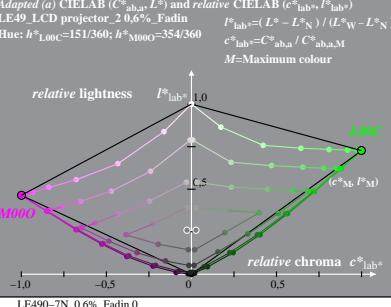
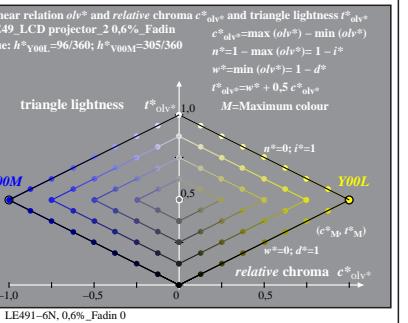
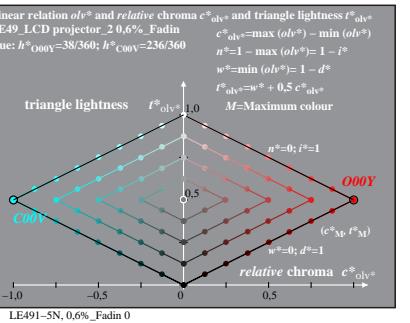
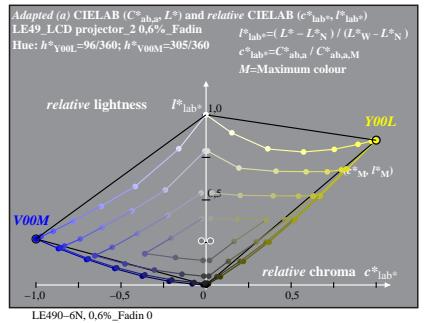
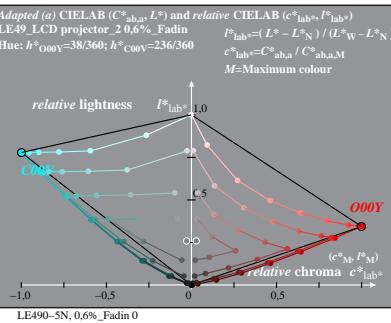
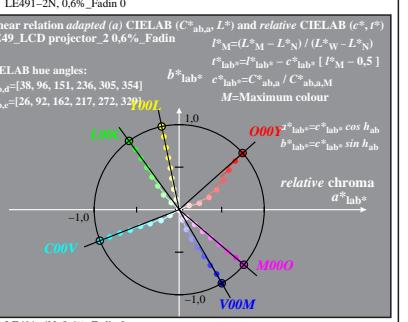
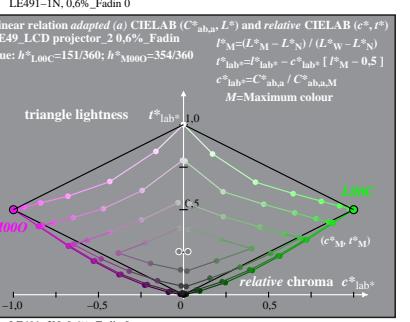
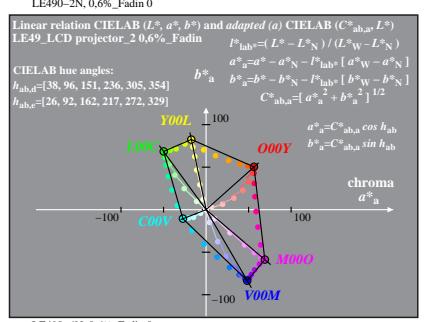
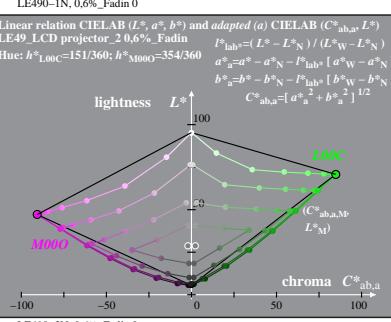
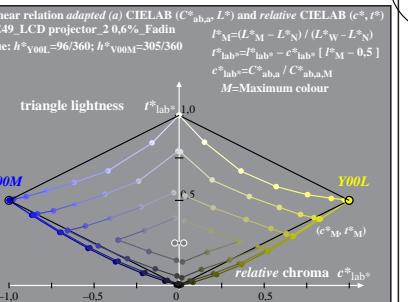
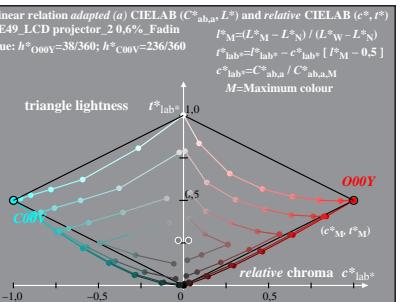
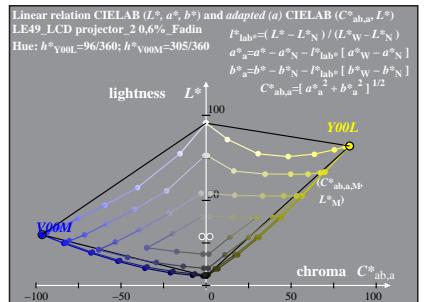
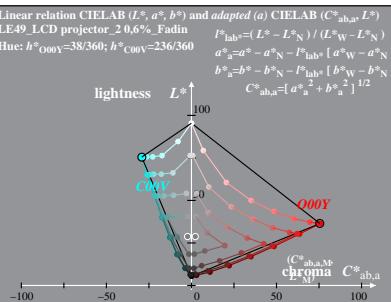
TUB material: code=rha4ta



http://130.149.60.45/~farbmefrik/LE49/LE49L0NA.TXT /PS; start output

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 3/16

See original or copy: [http://web.me.com/klaus\\_richter/LE49/LE49L0NA.TXT /PS](http://web.me.com/klaus_richter/LE49/LE49L0NA.TXT /PS)  
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmefrik>



% LE49-7N, 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 3/16; display type: LCD projector\_100901\_2  
TUB-test chart LE49; 1080 colours of LCD projector\_2;  $Lr=0.6\%$ ; Fadin  
CIELAB diagrams  $L^*-C^*$  for input and intended output (Fadin, Fadit)

input: `rgb setrgbcOLOR`  
output: no change



C



C

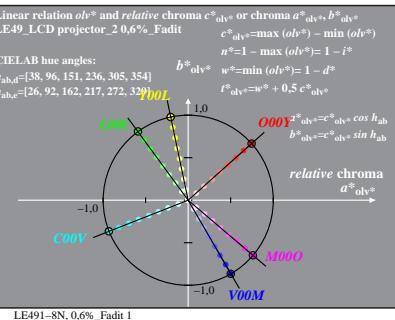
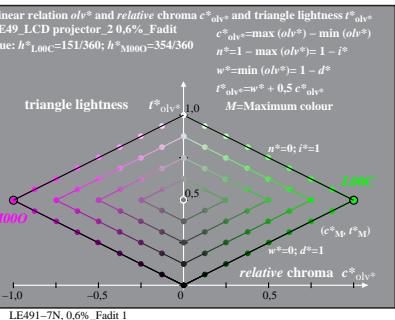
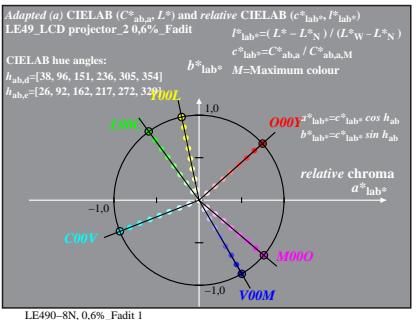
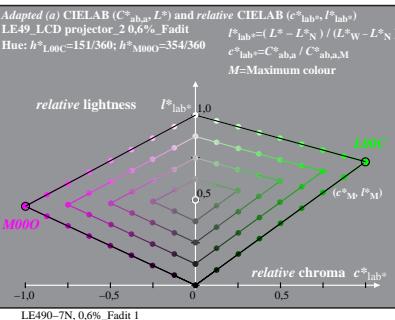
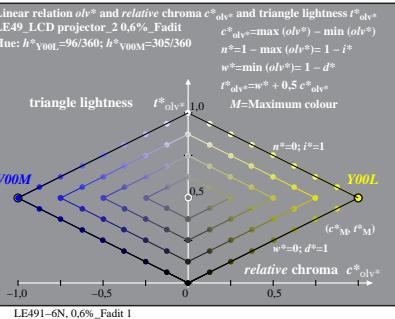
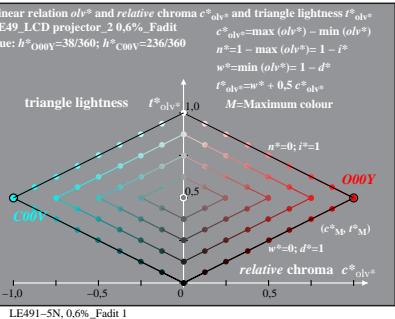
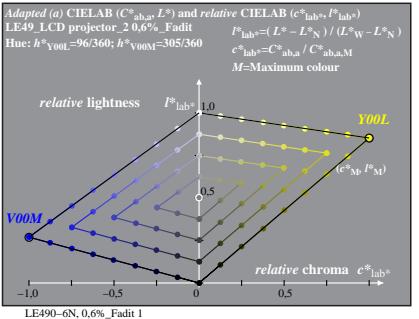
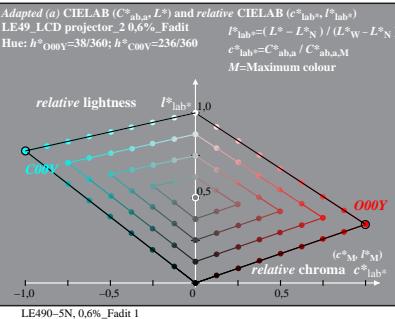
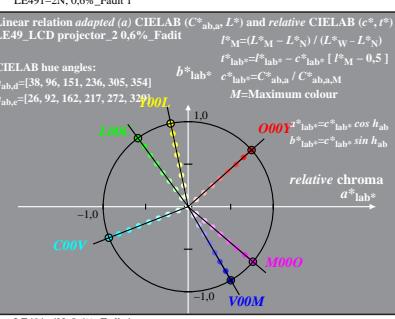
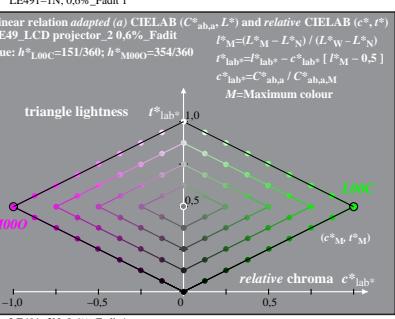
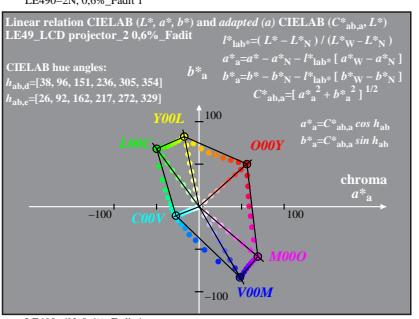
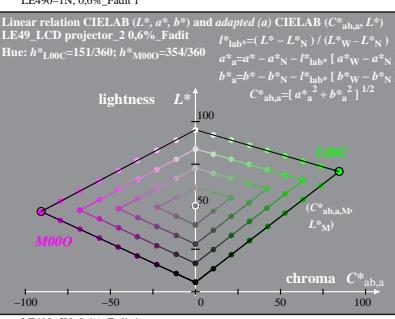
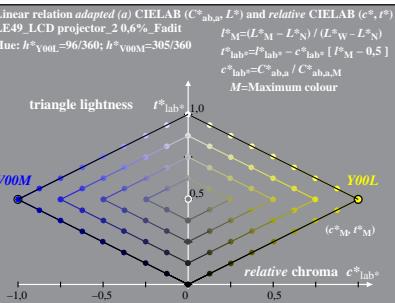
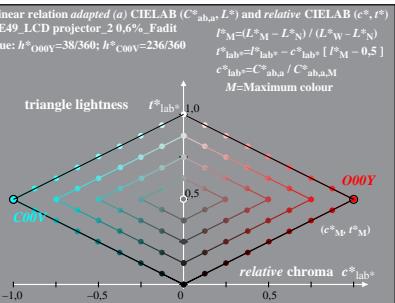
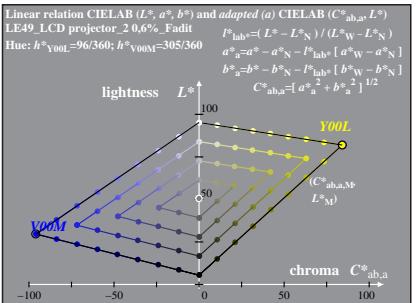
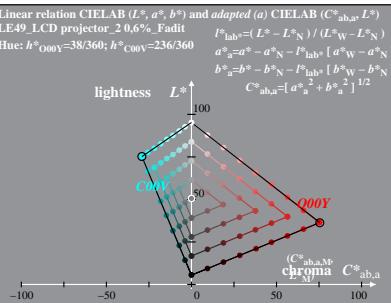
# TUB registration: 20101101-LE49/LE49L0NA.TXT /PS

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 4/16

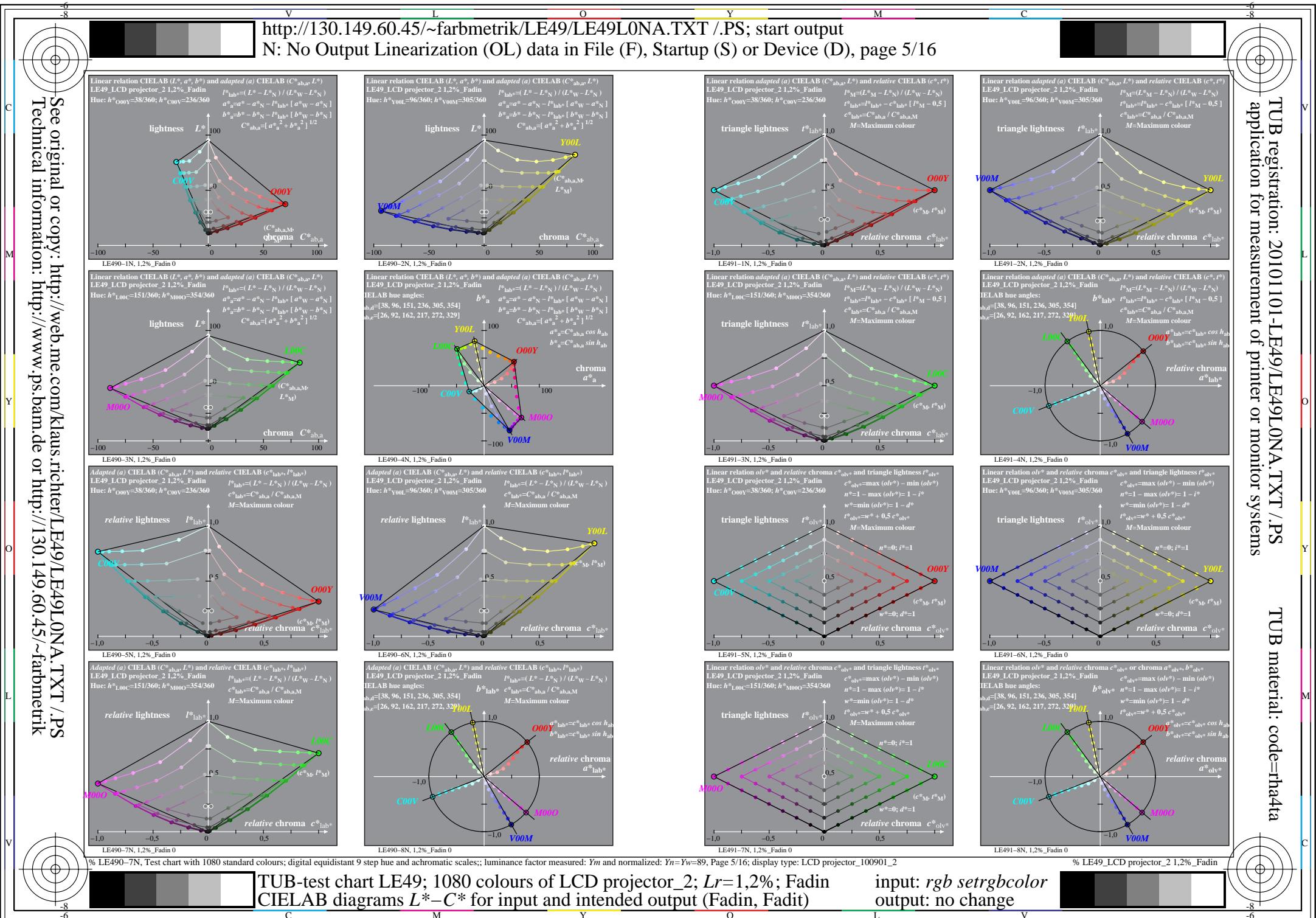


% LE490-7N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured:  $Y_m$  and normalized:  $Y_n = Y_m / 89$ , Page 4/16; display type: LCD projector\_100901\_2  
TUB-test chart LE49; 1080 colours of LCD projector\_2;  $L_r = 0.6\%$ ; Fadit  
CIELAB diagrams  $L^* - C^*$  for input and intended output (Fadin, Fadit)

input: `rgb setrgbcOLOR`  
output: no change



See original or copy: [http://web.me.com/klaus\\_richter/LE49/LE49L0NA.TXT /PS](http://web.me.com/klaus_richter/LE49/LE49L0NA.TXT /PS)  
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



# TUB registration: 20101101-LE49/LE49L0NA.TXT /PS

TUB material: code=rha4ta



TUB-test chart LE49; 1080 colours of LCD projector\_2;  $Lr=1.2\%$ ; Fadit  
CIELAB diagrams  $L^*-C^*$  for input and intended output (Fadin, Fadit)

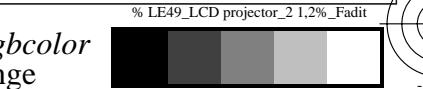
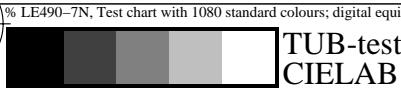
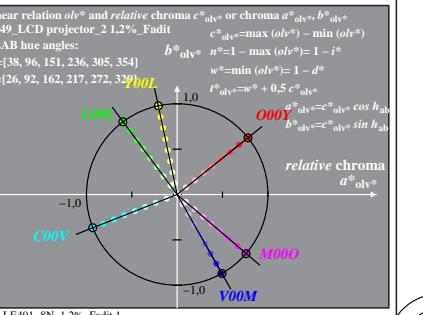
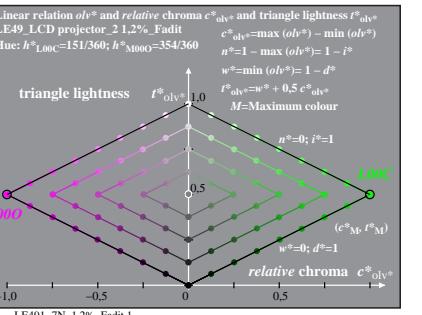
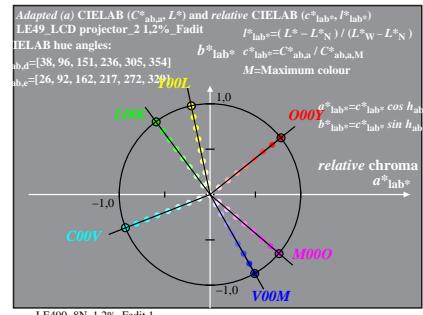
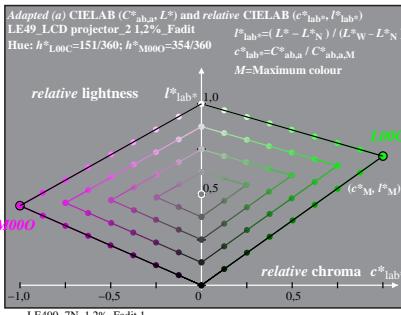
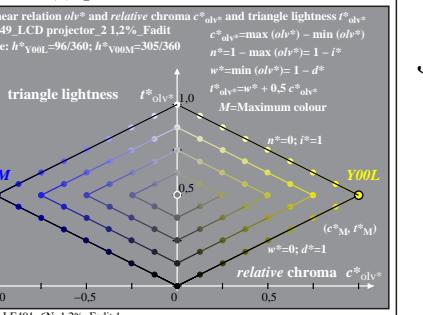
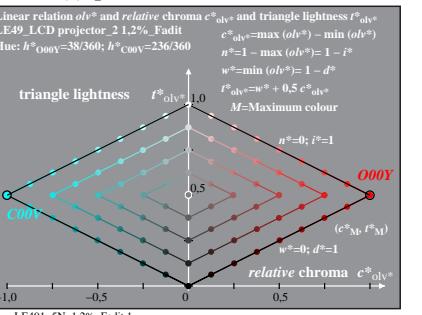
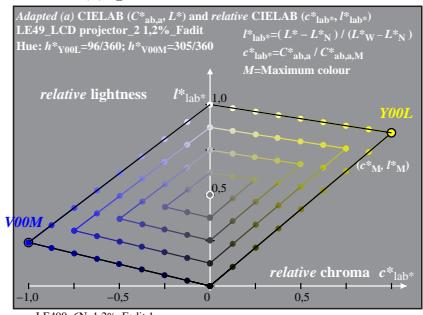
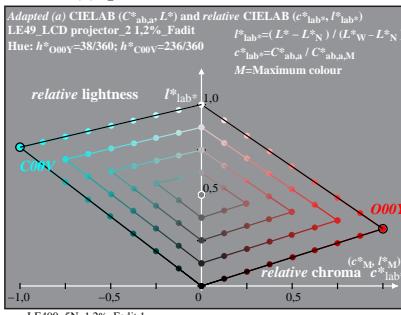
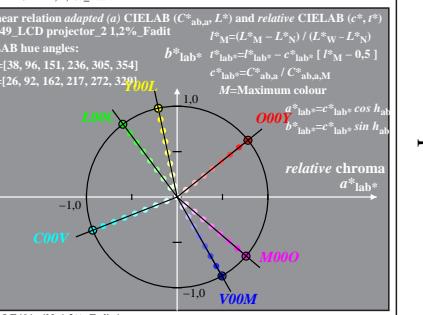
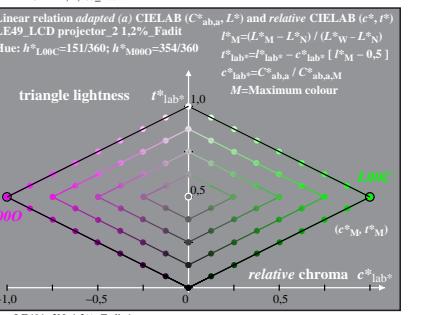
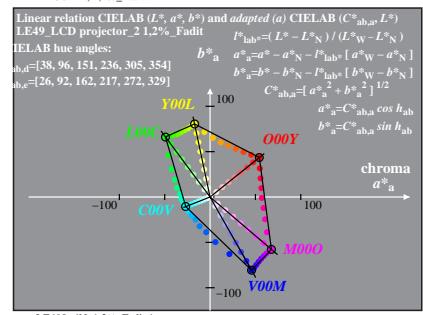
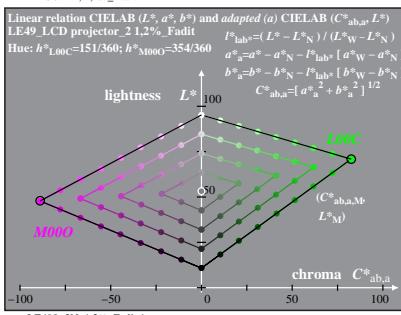
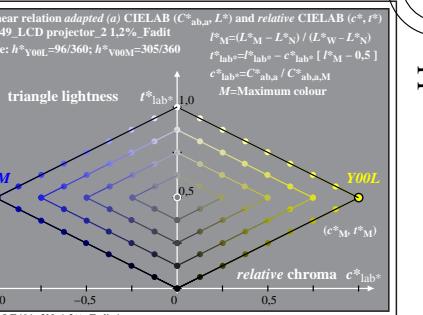
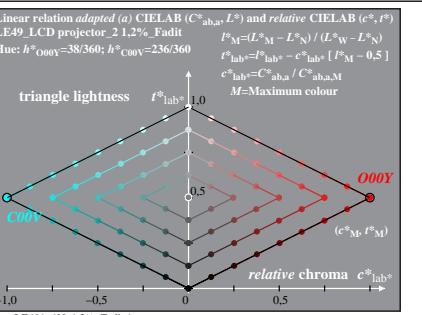
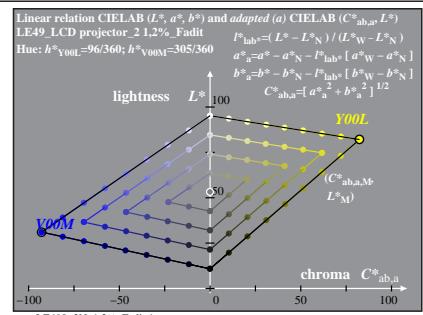
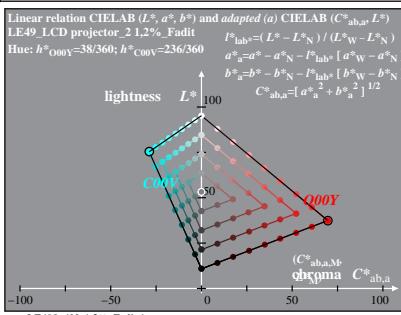
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output: no change

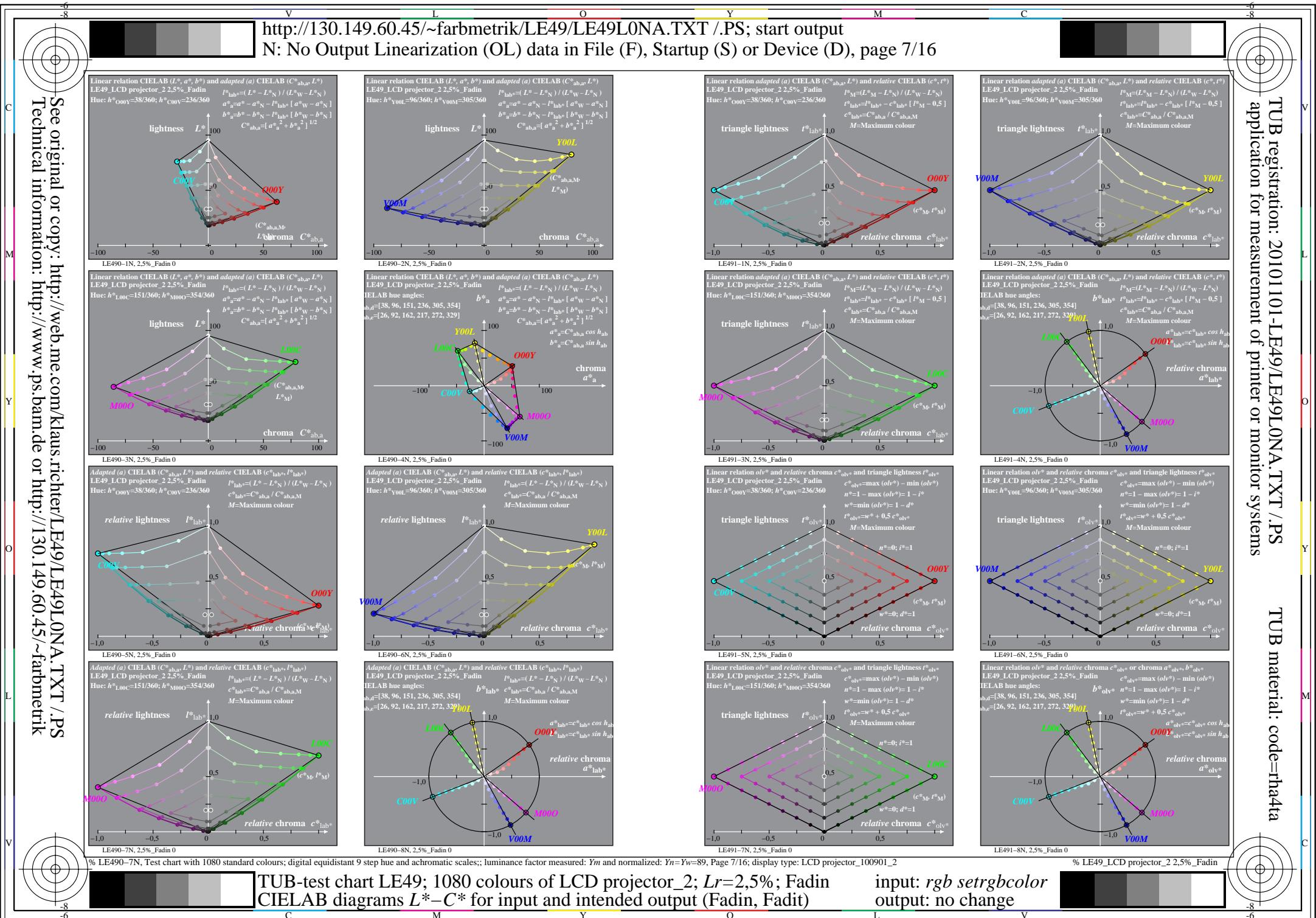
<http://130.149.60.45/~farbmefrik/LE49/LE49L0NA.TXT /PS>; start output

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/LE49/LE49L0NA.TXT /PS](http://web.me.com/klaus_richter/LE49/LE49L0NA.TXT /PS)  
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmefrik>





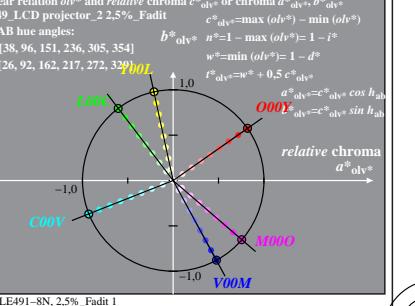
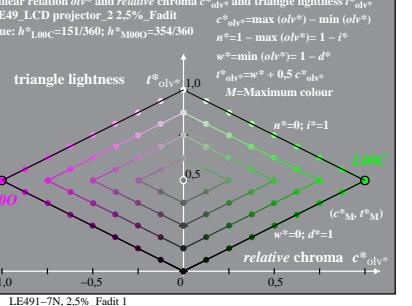
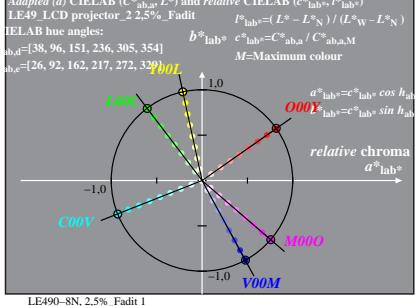
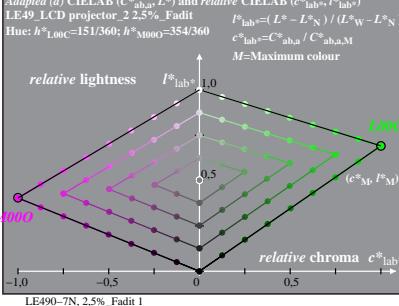
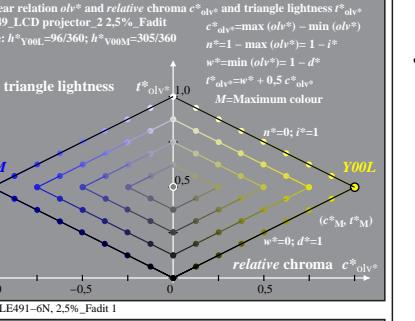
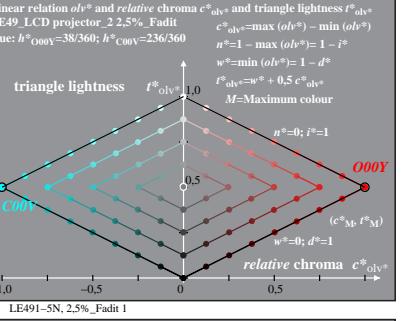
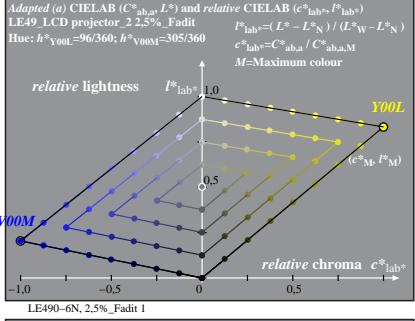
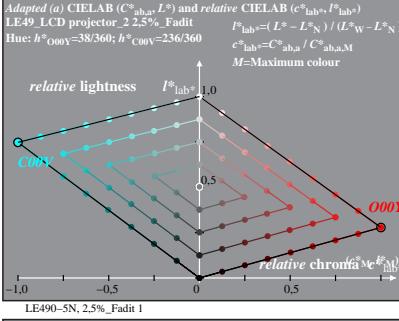
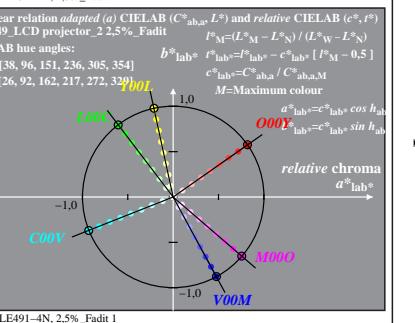
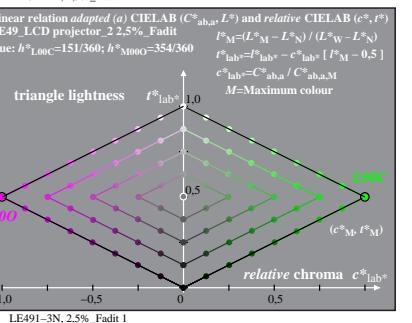
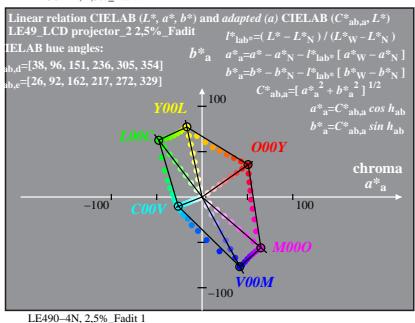
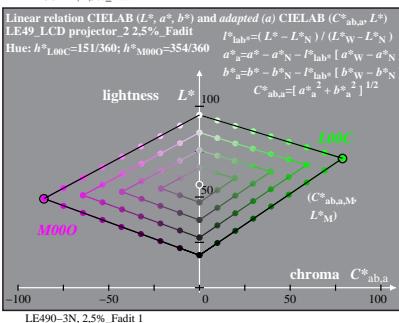
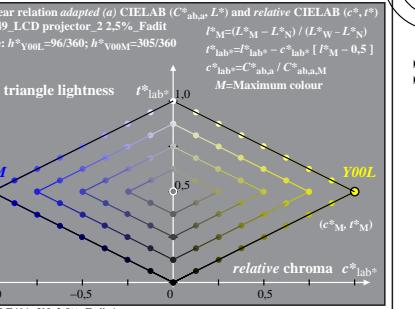
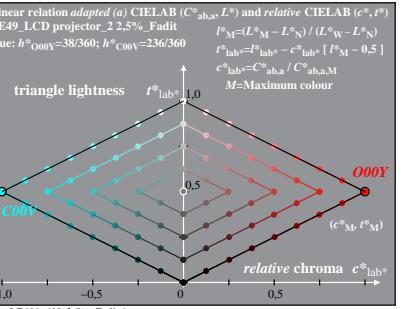
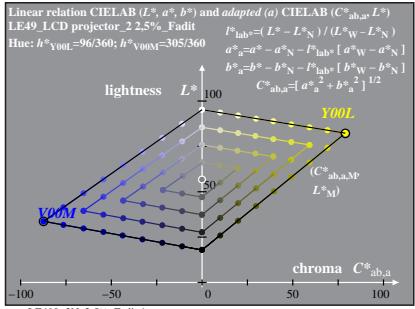
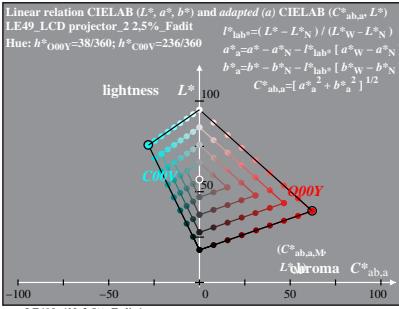
# TUB registration: 20101101-LE49/LE49L0NA.TXT /PS

TUB material: code=rha4ta

application for measurement of printer or monitor systems

% LE49\_07N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured:  $Y_m$  and normalized:  $\bar{Y}_m = \frac{Y_m}{Y_w} = 0.89$ , Page 8/16; display type: LCD projector\_100901\_2

input: `rgb setrgbcolor`  
output: no change



TUB-test chart LE49; 1080 colours of LCD projector\_2;  $Lr=2.5\%$ ; Fadit  
CIELAB diagrams  $L^*-C^*$  for input and intended output (Fadin, Fadit)

-6 8

# TUB registration: 20101101-LE49/LE49L0NA.TXT /PS

TUB material: code=rha4ta

application for measurement of printer or monitor systems

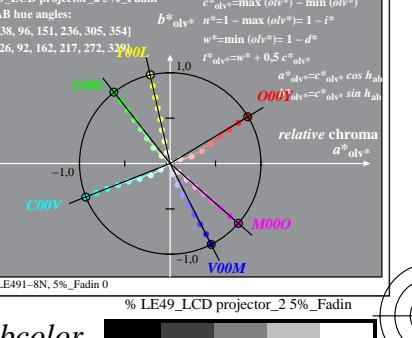
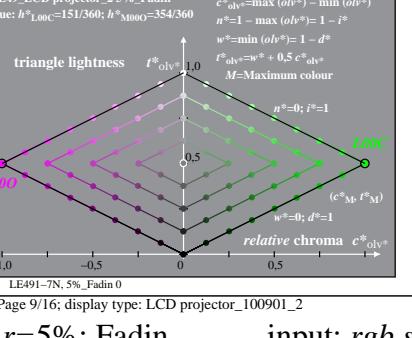
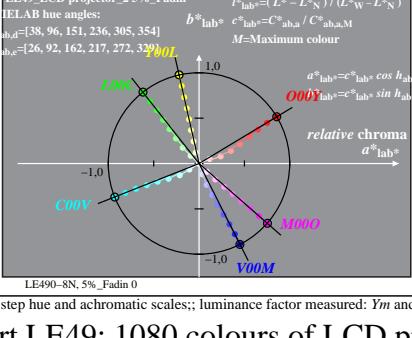
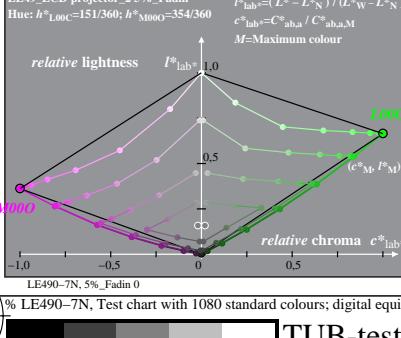
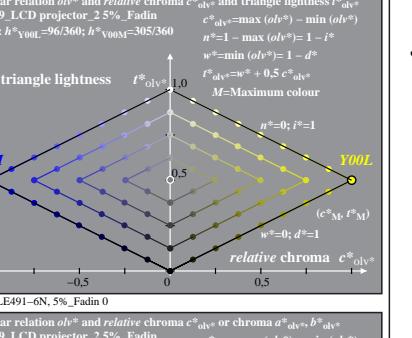
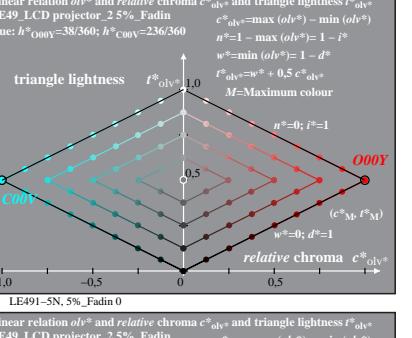
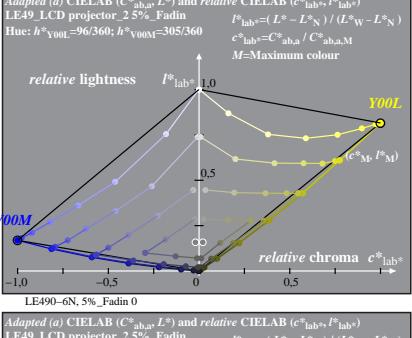
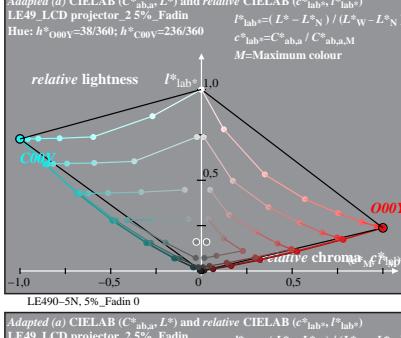
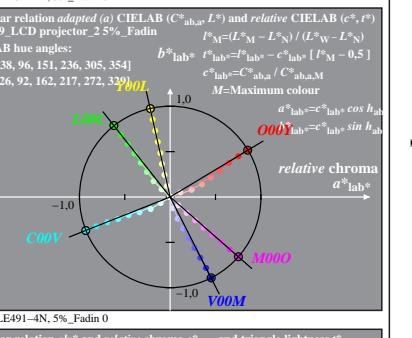
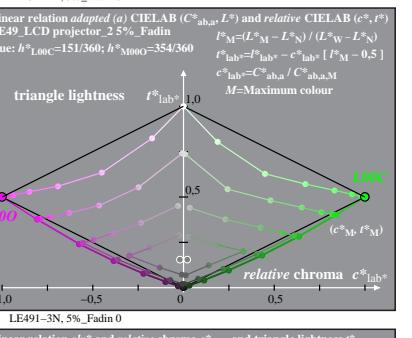
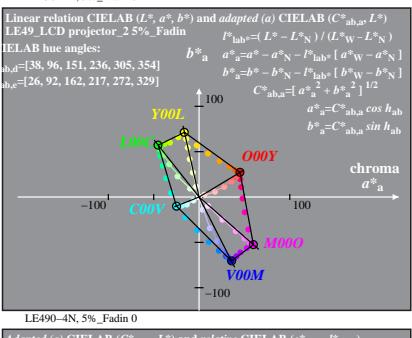
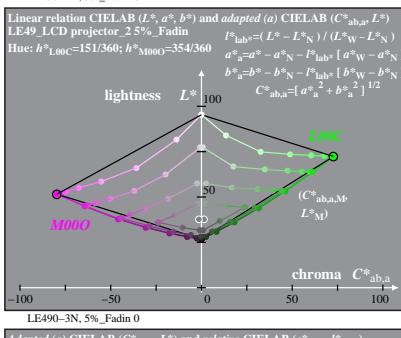
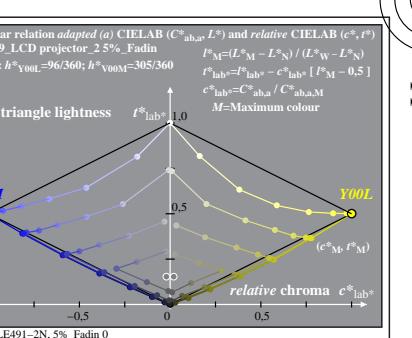
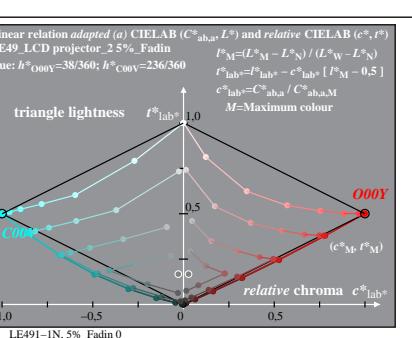
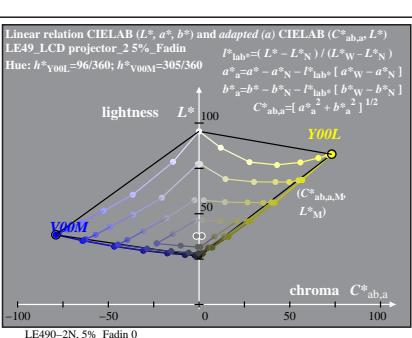
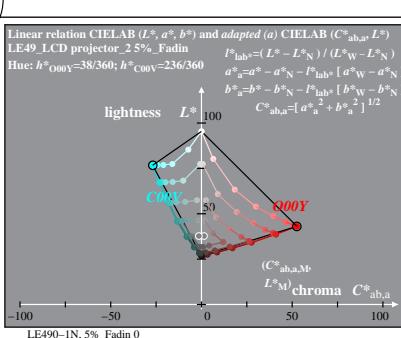


% LE49\_8N, Test chart with 1080 standard colours; digital equidistant 9 step hue and achromatic scales;; luminance factor measured:  $\bar{Y}_m$  and normalized:  $\bar{Y}_n = \bar{Y}_m / 89$ , Page 9/16; display type: LCD projector\_100901\_2

% LE49\_LCD projector\_2.5%, Fadin

input: *rgb setrgbc*  
output: no change

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



TUB-test chart LE49; 1080 colours of LCD projector\_2;  $Lr=5\%$ ; Fadin  
CIELAB diagrams  $L^*-C^*$  for input and intended output (Fadin, Fadit)

% LE49\_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 9/16; display type: LCD projector\_100901\_2

% LE49\_LCD projector\_2.5%, Fadin

input: *rgb setrgbc*  
output: no change

# TUB registration: 20101101-LE49/LE49L0NA.TXT /PS

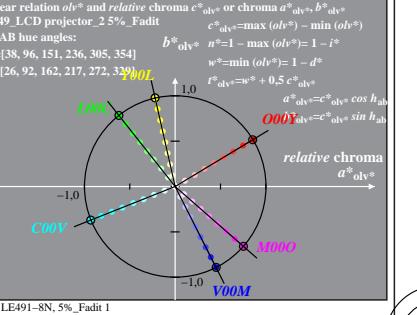
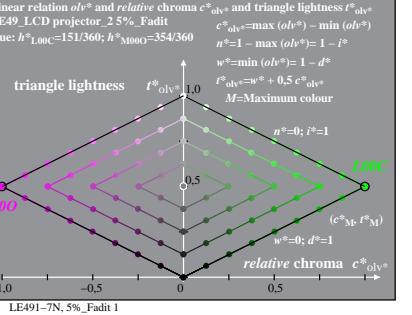
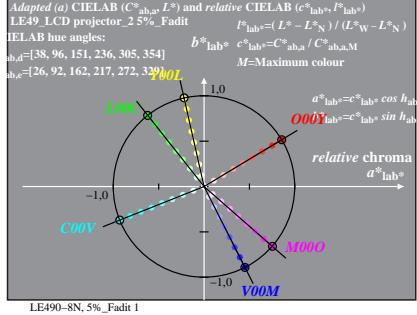
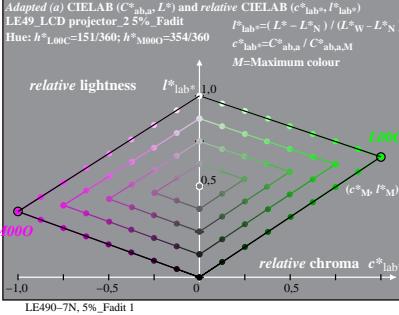
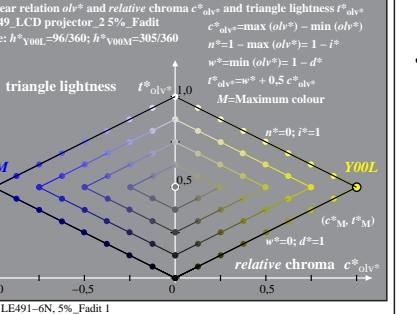
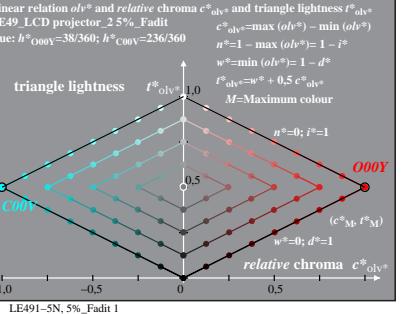
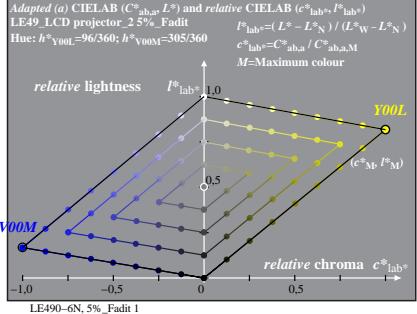
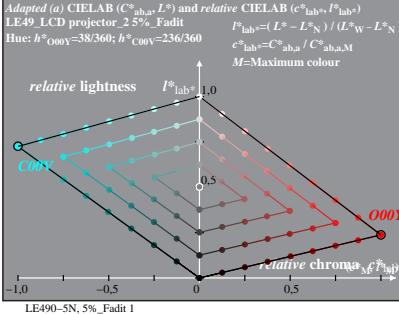
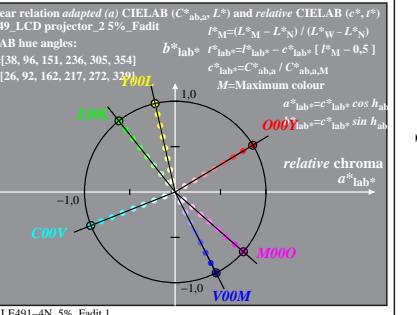
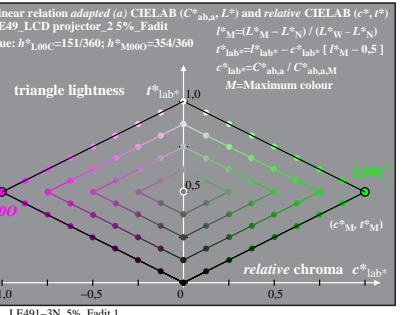
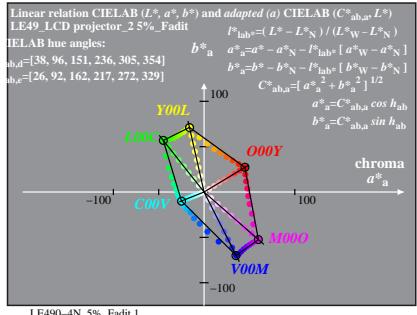
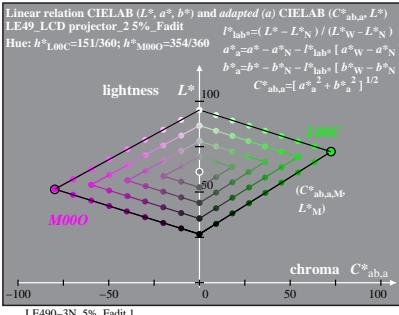
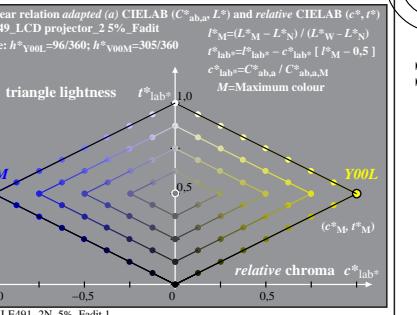
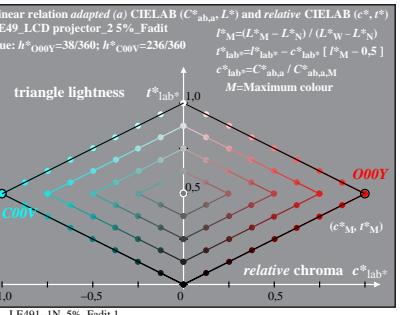
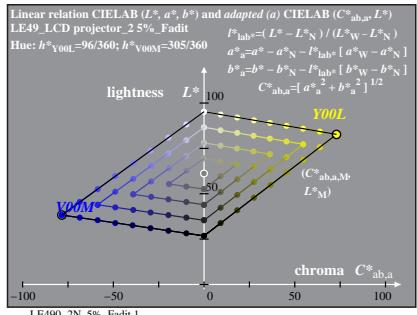
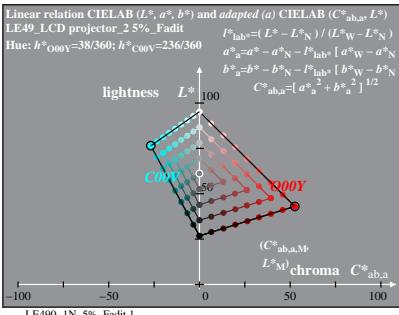
TUB material: code=rha4ta

See original or copy: [http://web.me.com/klaus\\_richter/LE49/LE49L0NA.TXT /PS](http://web.me.com/klaus_richter/LE49/LE49L0NA.TXT /PS)  
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmefrik>

TUB-test chart LE49; 1080 colours of LCD projector\_2;  $Lr=5\%$ ; Fadit  
CIELAB diagrams  $L^*-C^*$  for input and intended output (Fadin, Fadit)

<http://130.149.60.45/~farbmefrik/LE49/LE49L0NA.TXT /PS>; start output

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



% LE49-7N, 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 10/16; display type: LCD projector\_100901\_2

input: `rgb setrgbcolor`  
output: no change

% LE49\_LCD projector\_2 2.5%\_Fadit

# TUB registration: 20101101-LE49/LE49L0NA.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/LE49/LE49L0NA.TXT /PS>; start output

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

C

M

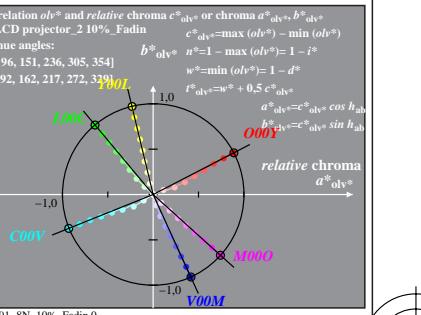
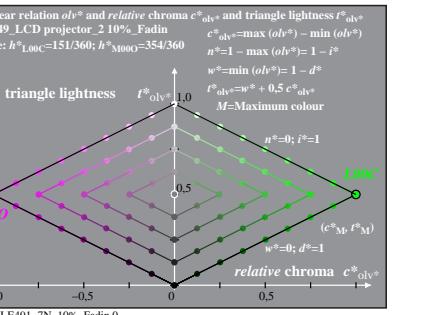
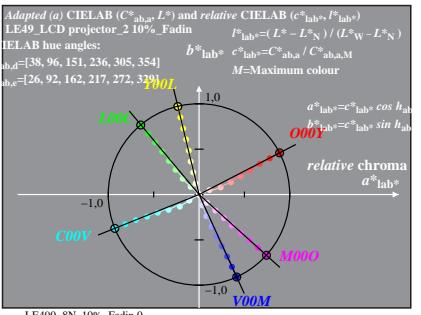
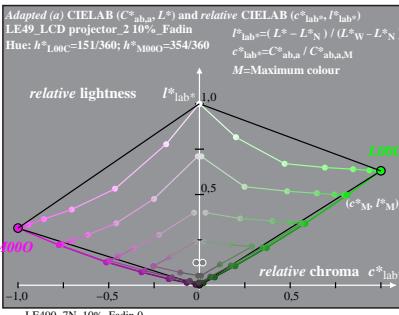
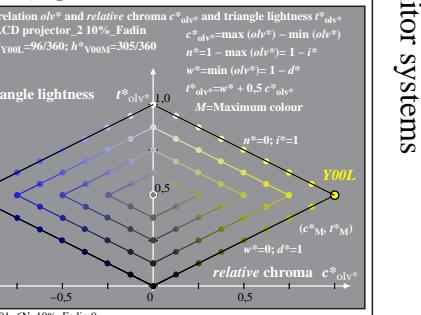
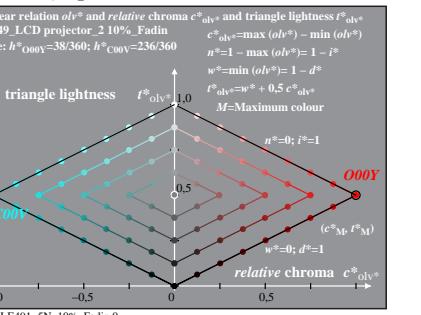
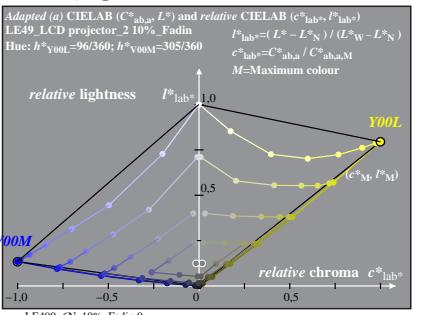
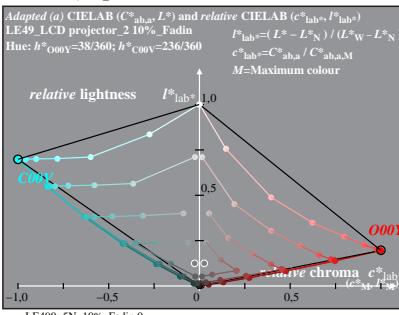
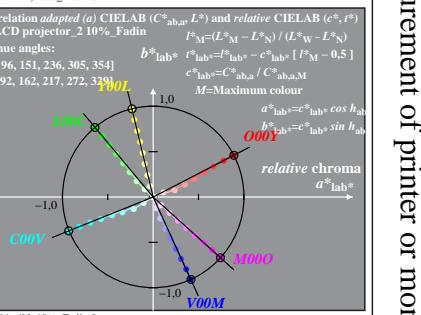
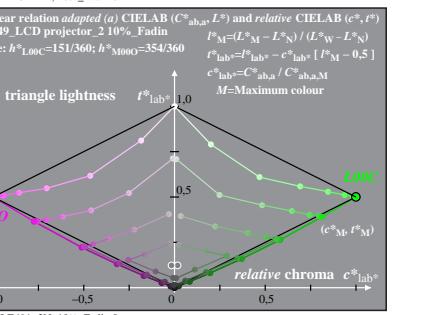
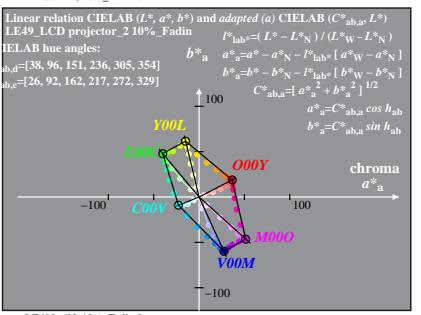
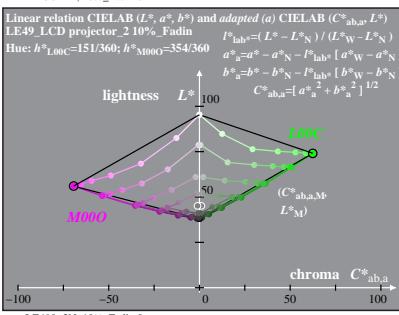
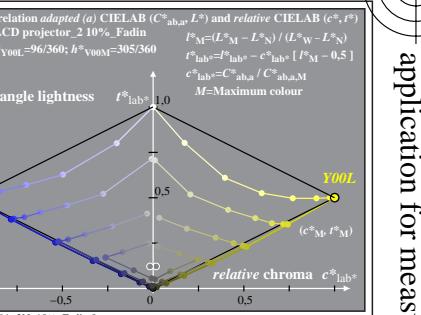
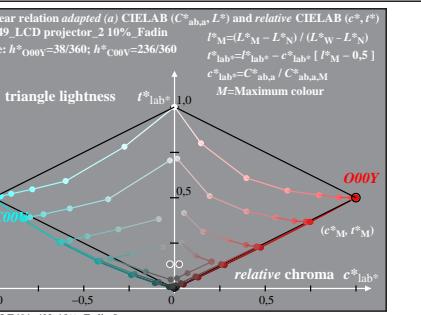
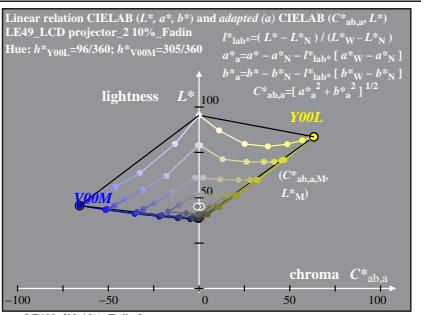
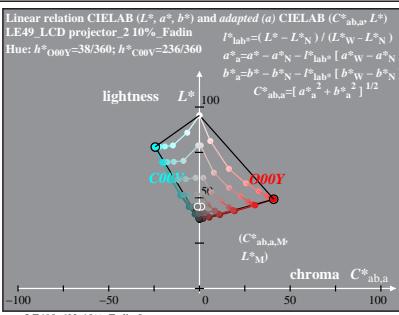
Y

O

L

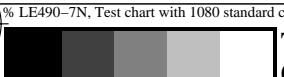
V

See original or copy: [http://web.me.com/klaus\\_richter/LE49/LE49L0NA.TXT /PS](http://web.me.com/klaus_richter/LE49/LE49L0NA.TXT /PS)  
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmefrik>



% LE49-7N, 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: LCD projector\_100901\_2  
TUB-test chart LE49; 1080 colours of LCD projector\_2;  $Lr=10\%$ ; Fadin  
CIELAB diagrams  $L^*-C^*$  for input and intended output (Fadin, Fadit)

input: `rgb setrgbcolor`  
output: no change



# TUB registration: 20101101-LE49/LE49L0NA.TXT /PS

TUB material: code=rha4ta

application for measurement of printer or monitor systems

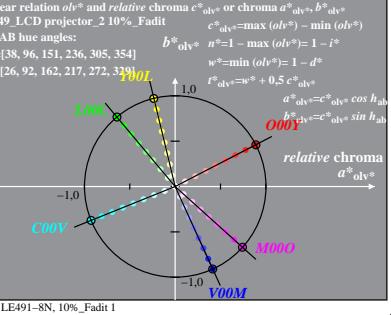
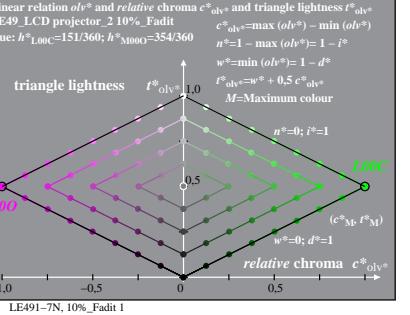
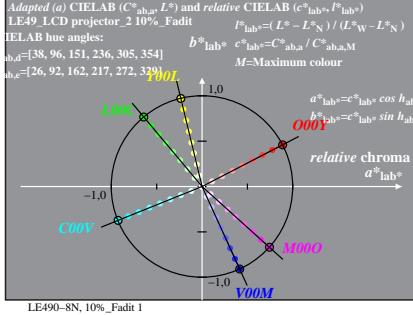
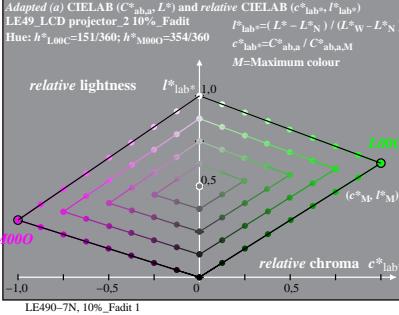
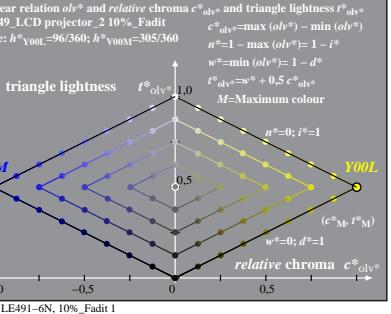
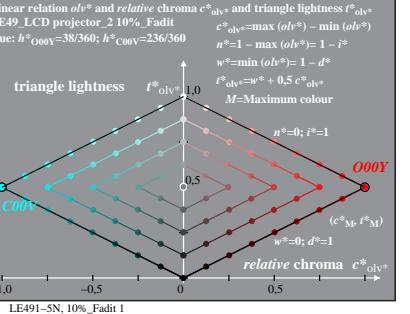
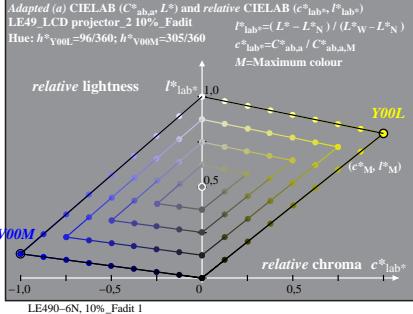
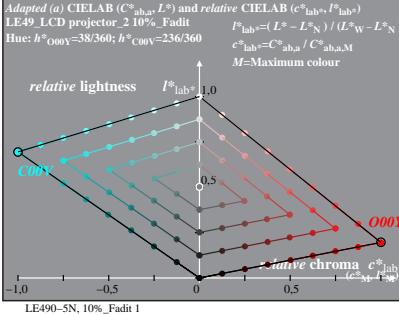
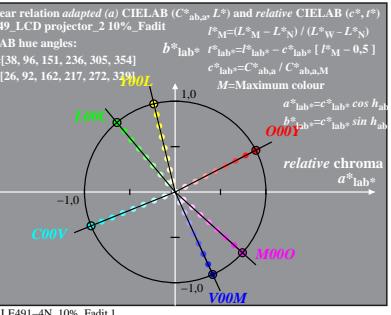
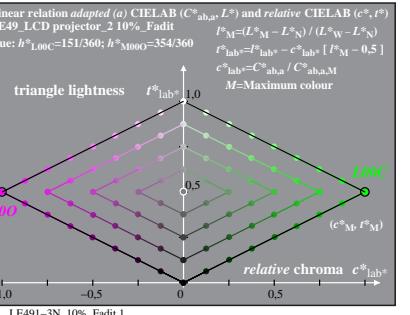
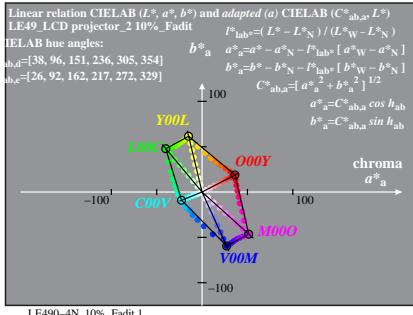
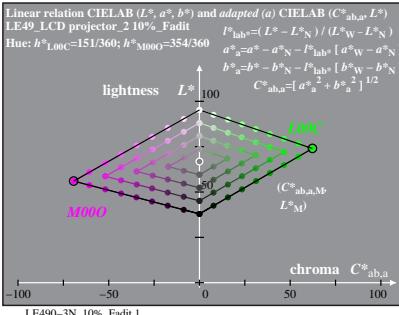
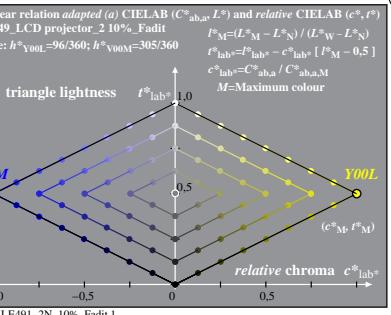
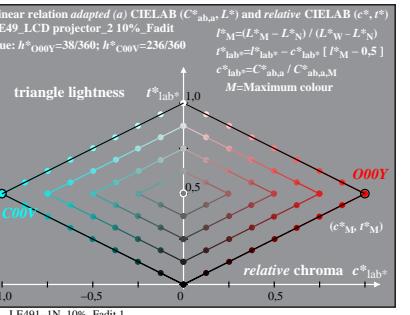
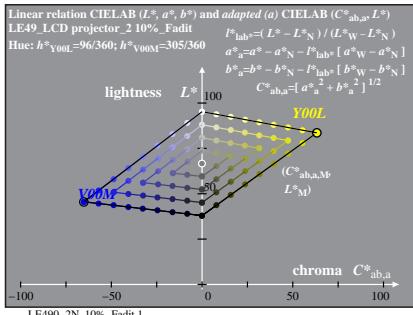
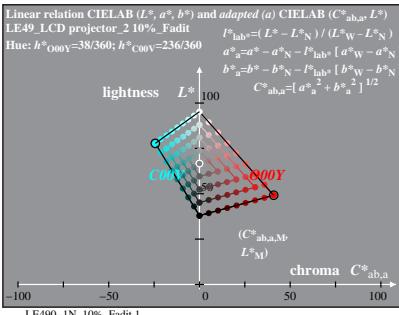
See original or copy: [http://web.me.com/klaus\\_richter/LE49/LE49L0NA.TXT /PS](http://web.me.com/klaus_richter/LE49/LE49L0NA.TXT /PS)  
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmefrik>

TUB-test chart LE49; 1080 colours of LCD projector\_2;  $Lr=10\%$ ; Fadit  
CIELAB diagrams  $L^*-C^*$  for input and intended output (Fadin, Fadit)

input: `rgb setrgbcolor`  
output: no change

<http://130.149.60.45/~farbmefrik/LE49/LE49L0NA.TXT /PS>; start output

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



% LE49-7N, 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 12/16; display type: LCD projector\_100901\_2

% LE49\_LCD projector\_2 10%\_Fadit

# TUB registration: 20101101-LE49/LE49L0NA.TXT /PS

application for measurement of printer or monitor systems

TUB material: code=rha4ta

V L O Y M C

<http://130.149.60.45/~farbmefrik/LE49/LE49L0NA.TXT /PS>; start output

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D), page 13/16

TUB-test chart LE49; 1080 colours of LCD projector\_2;  $L_r=20\%$ ; Fadin  
CIELAB diagrams  $L^*-C^*$  for input and intended output (Fadin, Fadit)

input: `rgb setrgbcolor`  
output: no change

C

M

Y

O

L

V

V

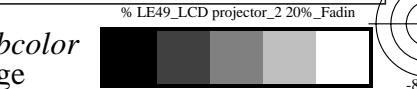
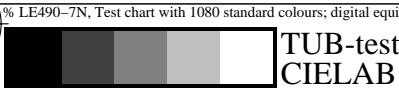
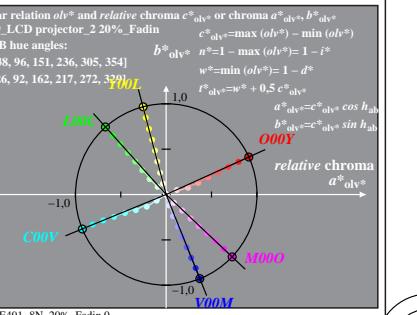
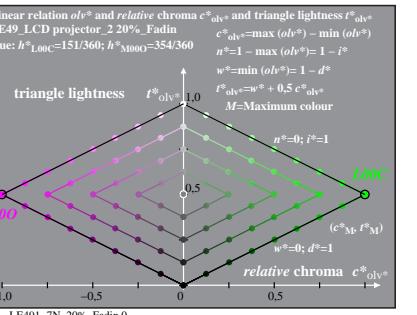
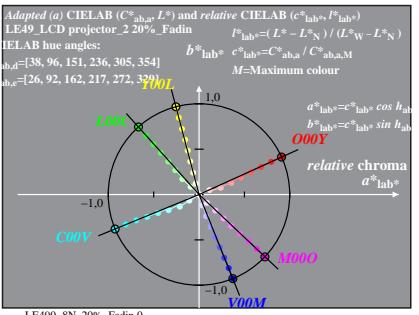
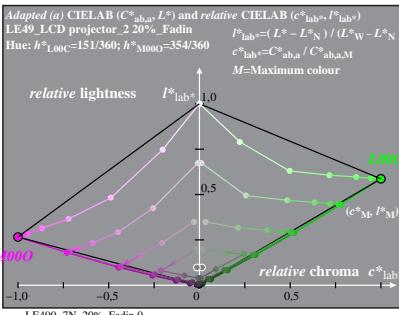
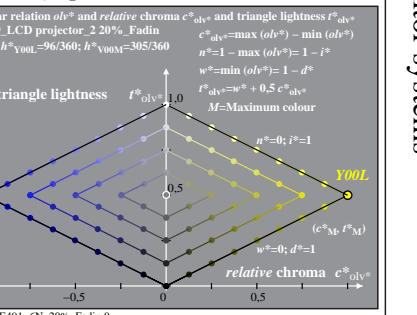
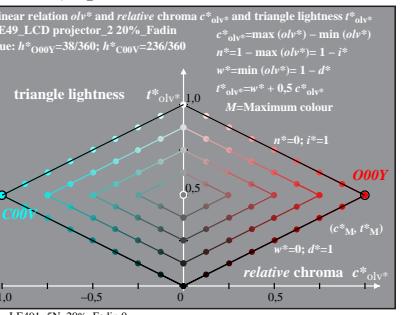
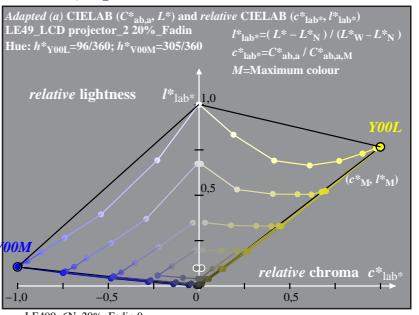
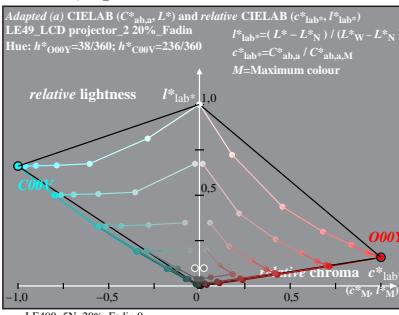
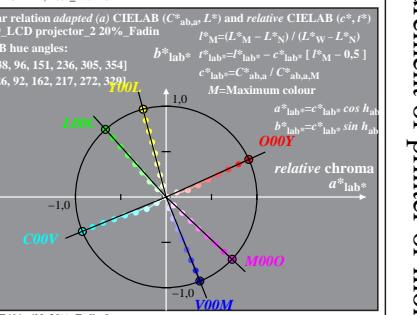
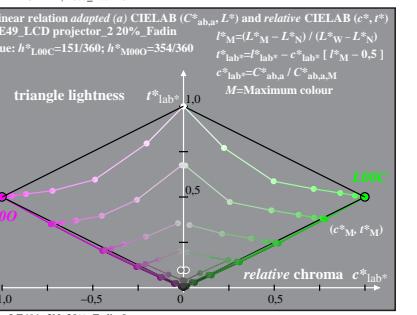
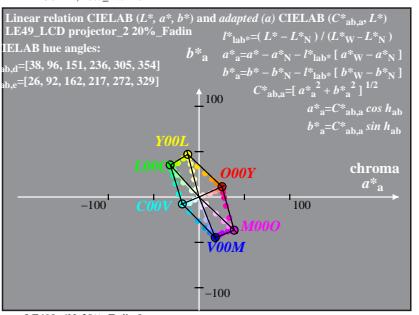
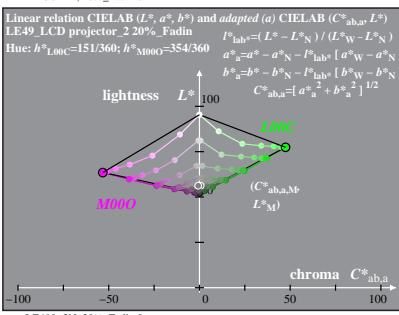
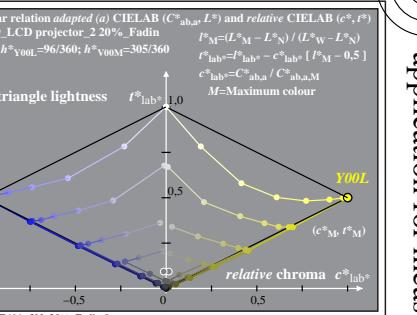
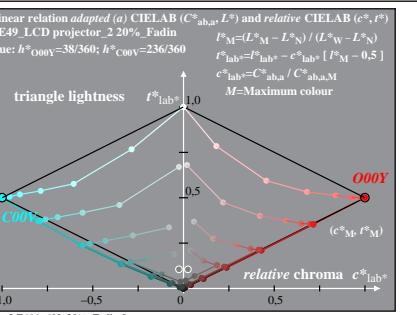
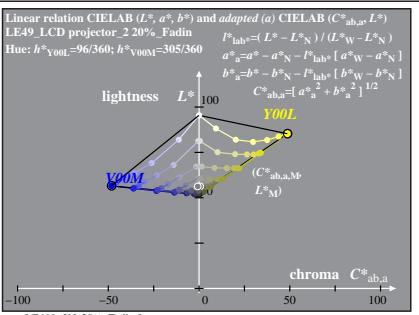
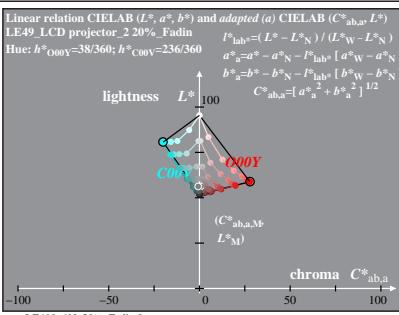
L

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C



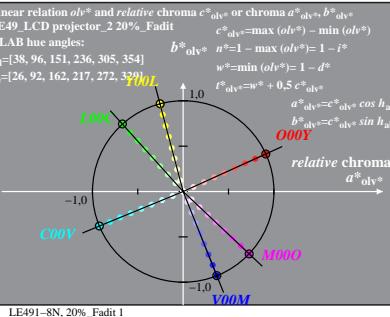
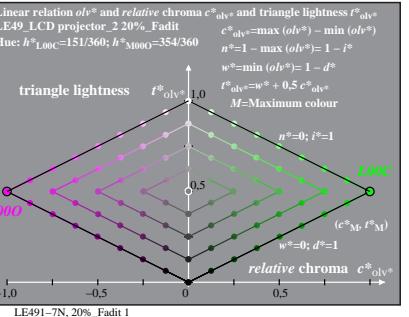
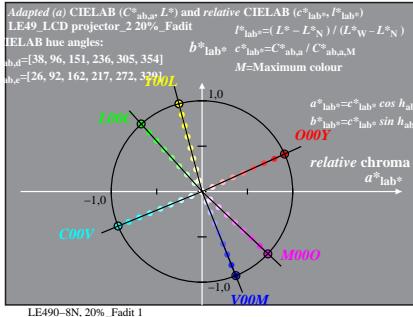
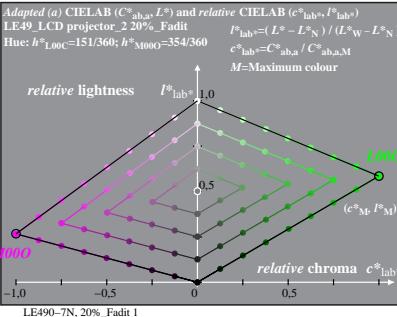
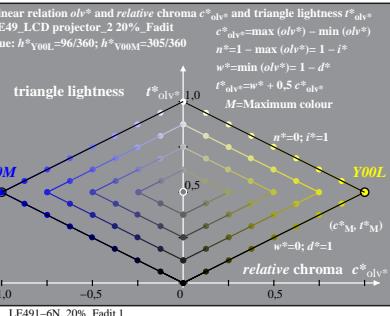
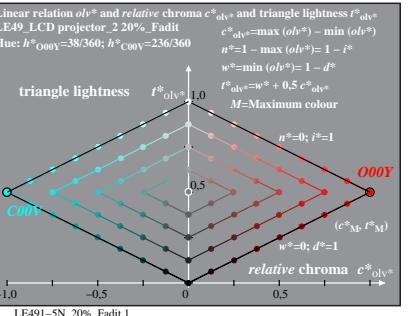
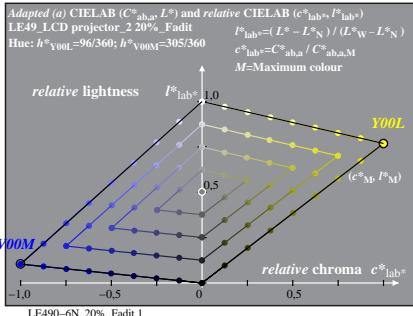
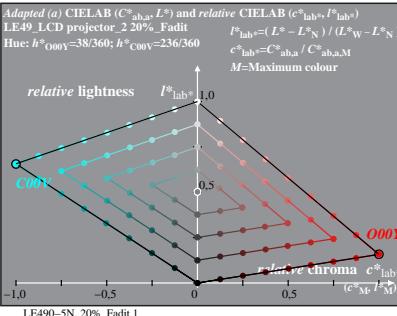
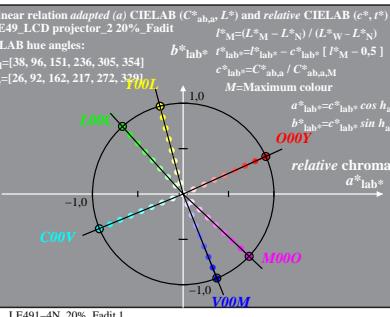
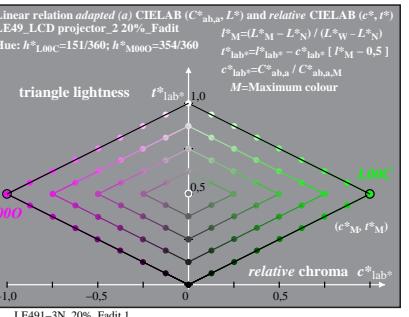
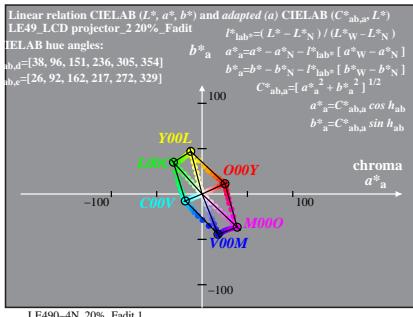
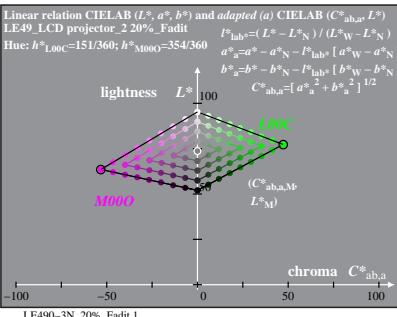
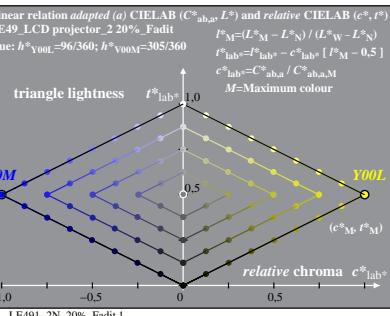
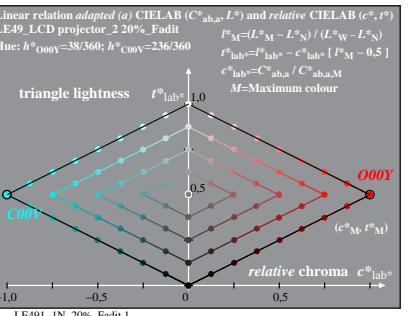
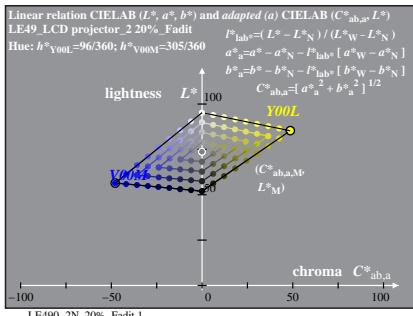
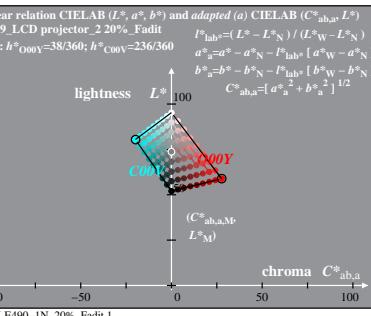
# TUB registration: 20101101-LE49/LE49L0NA.TXT /PS

TUB material: code=rha4ta

application for measurement of printer or monitor systems

V L O Y M C

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



% LE49-7N, 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 14/16; display type: LCD projector\_100901\_2

TUB-test chart LE49; 1080 colours of LCD projector\_2;  $L_r=20\%$ ; Fadit  
CIELAB diagrams  $L^*-C^*$  for input and intended output (Fadin, Fadit)

input: `rgb setrgbcolor`  
output: no change

C

M

Y

O

L

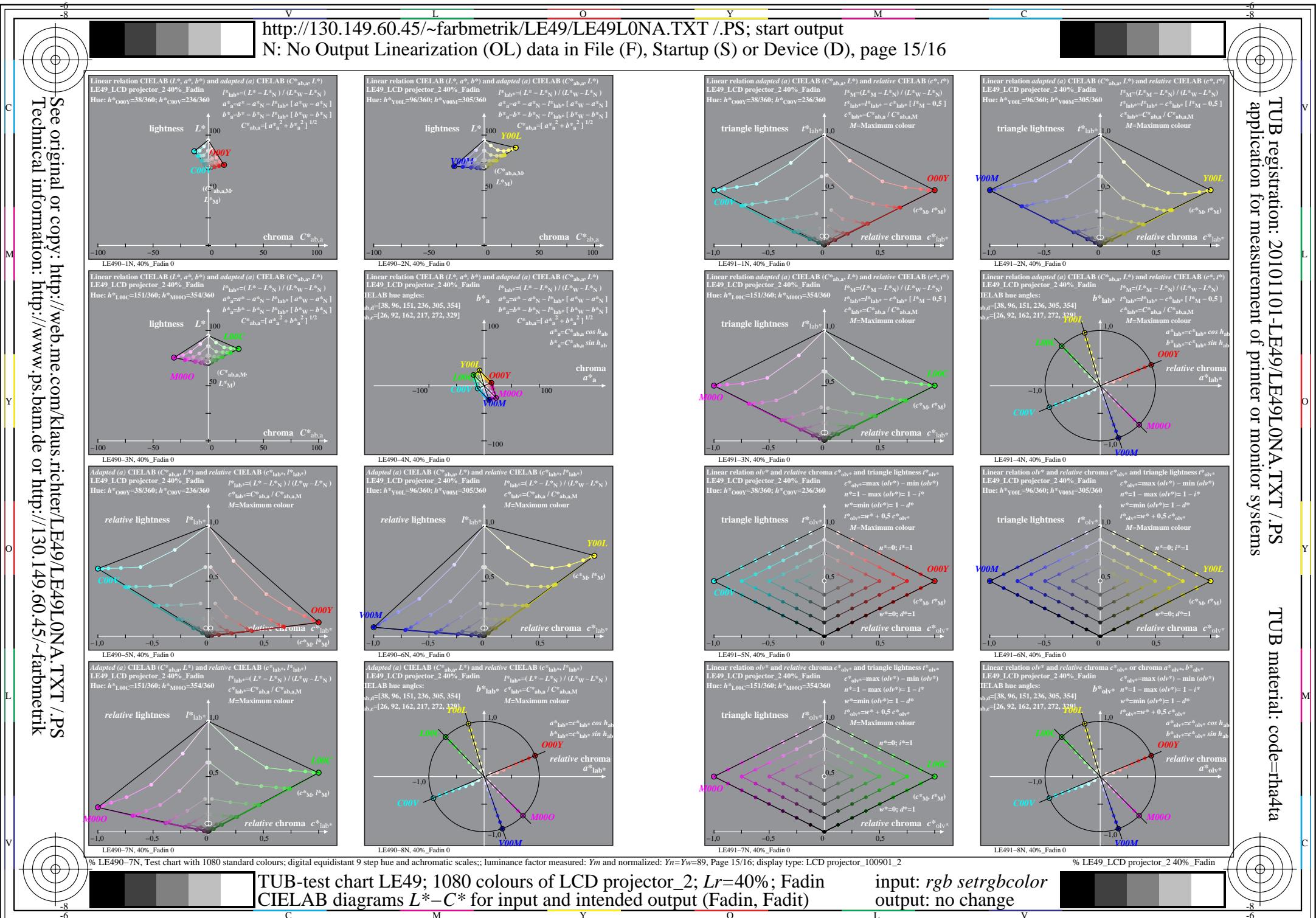
V

C

8

-8

-6

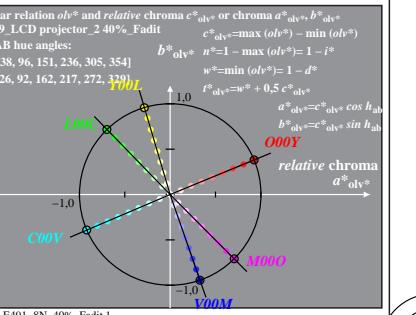
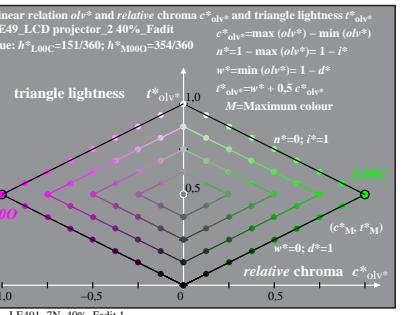
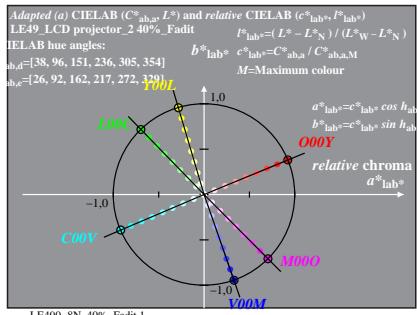
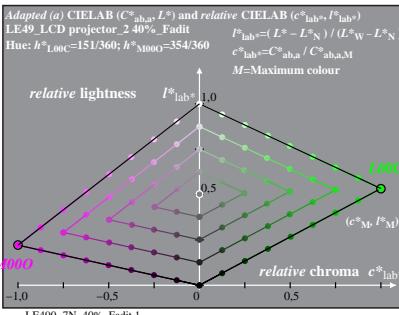
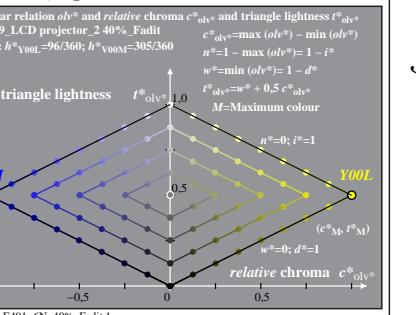
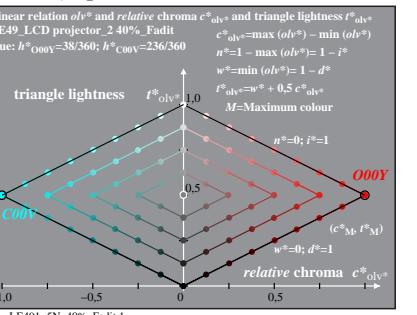
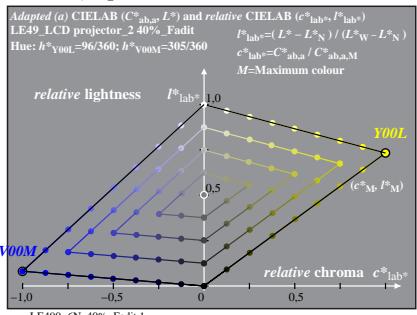
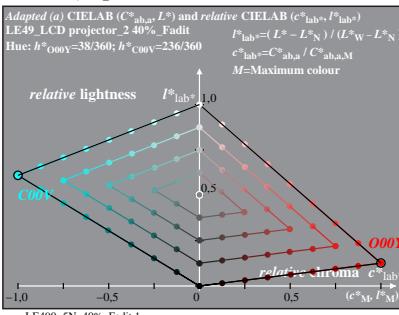
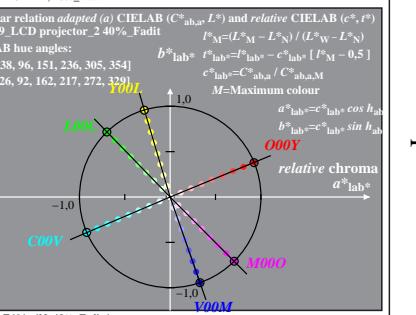
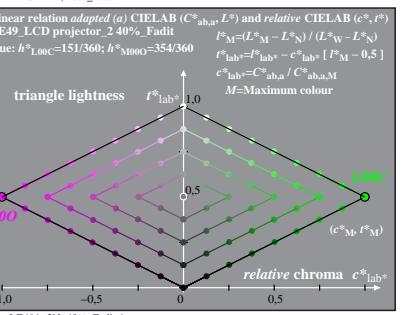
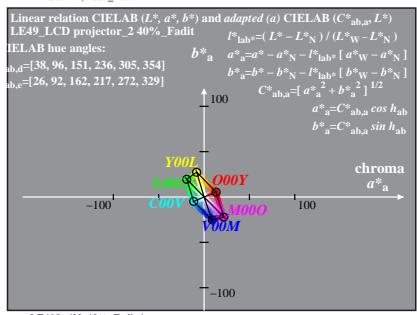
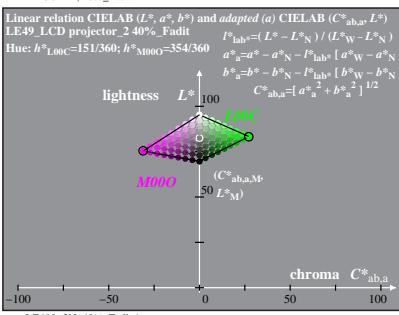
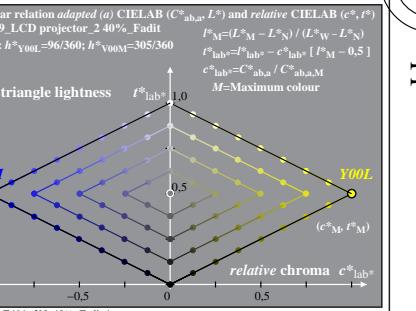
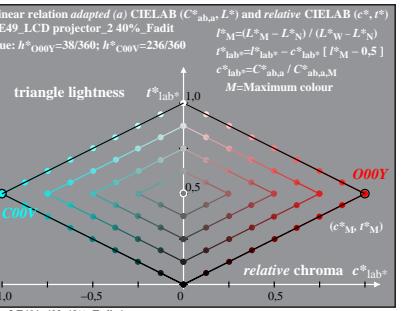
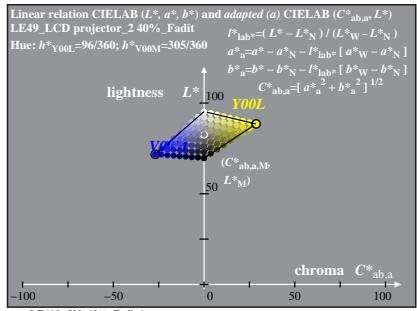
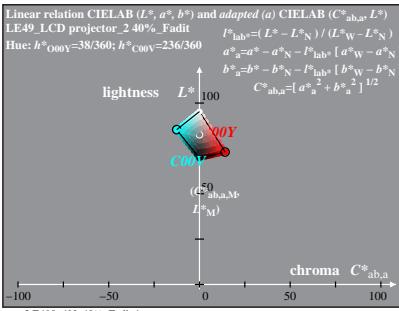




application for measurement of printer or monitor systems

application for measurement of printer or monitor systems

TUB material: code=rha4ta



## TUB-test chart LE49; 1080 colours of LCD projector\_2; $L_r=40\%$ ; Fadit CIELAB diagrams $L^*-C^*$ for input and intended output (Fadin, Fadit)

input: *rgb setrgbcolor*  
output: no change

