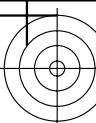


v L o Y M C
www.ps.bam.de/NE08/10L/L08E00FP.PS/.PDF; linearized output
F: Output Linearization (OL) data NE08/10L/L08E00FP.DAT in File (F)



c

M

Y

O

n

V

L

C

Y

O

n

V

L

C

Y

O

n

V

L

C

Y

O

n

V

L

C

Y

O

n

V

L

C

Y

O

n

V

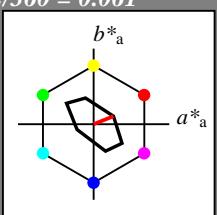
Input: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 22/360 = 0.061$
 lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

triangle lightness t^* 

%Gamut

 $u^*_{rel} = 16$

%Regularity

 $g^*_{H,rel} = 34$ $g^*_{C,rel} = 51$

TLS70; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_{ab,a}$	$b^*_{ab,a}$	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

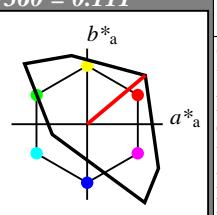
Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$
 lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^* 

%Gamut

 $u^*_{rel} = 158$

%Regularity

 $g^*_{H,rel} = 20$ $g^*_{C,rel} = 37$

TLS00; adapted (a) CIELAB data

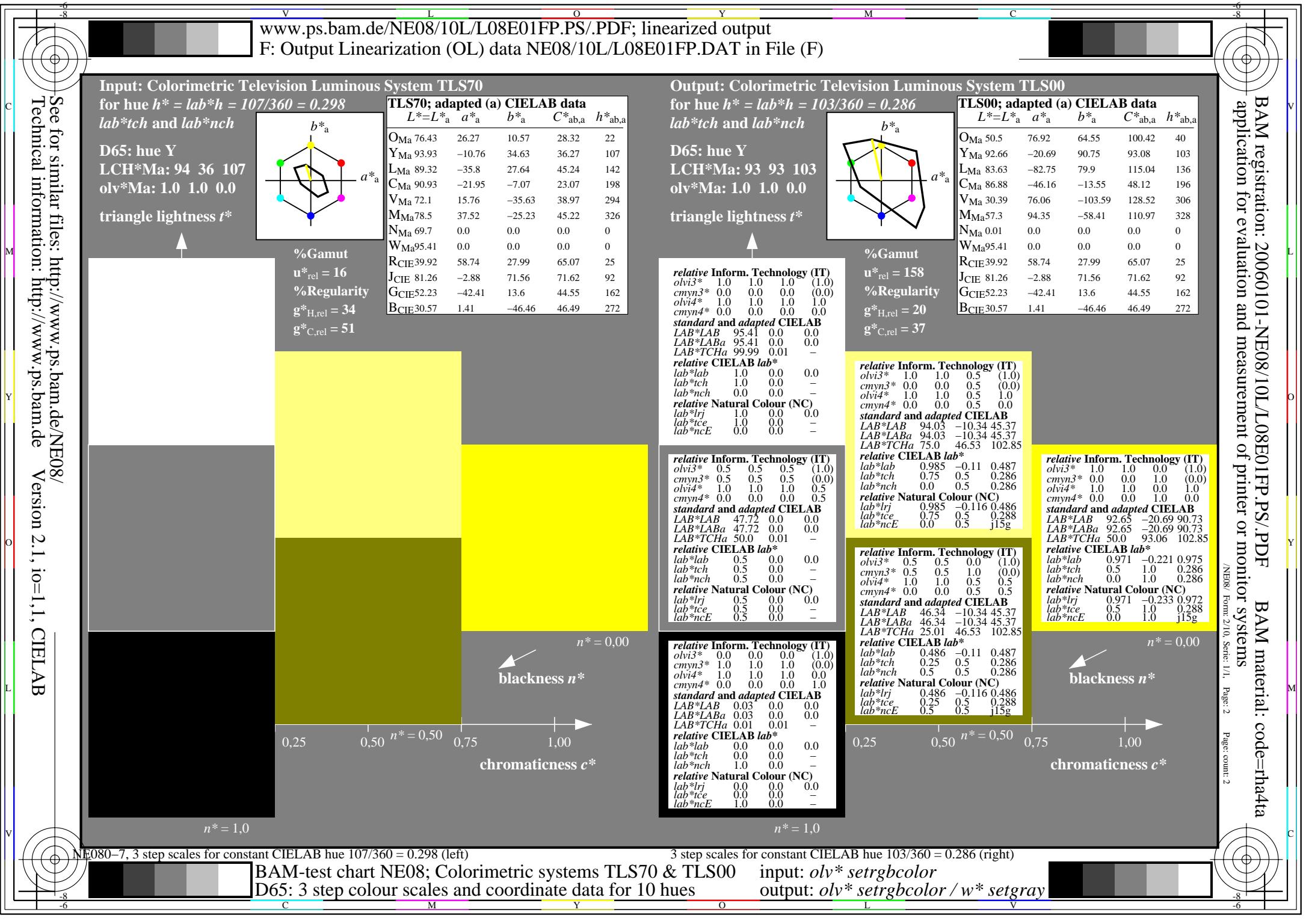
	$L^*=L^*_a$	$a^*_{ab,a}$	$b^*_{ab,a}$	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

NE080-7, 3 step scales for constant CIELAB hue 22/360 = 0.061 (left)

BAM-test chart NE08; Colorimetric systems TLS70 & TLS00
D65: 3 step colour scales and coordinate data for 10 hues

3 step scales for constant CIELAB hue 40/360 = 0.111 (right)

input: $olv^* setrgbcolor$
output: $olv^* setrgbcolor / w^* setgray$



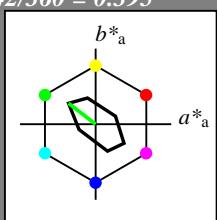
v L o Y M C

6 8
c M Y O L C V6 8
C M Y O L Vwww.ps.bam.de/NE08/10L/L08E02FP.PS/.PDF; linearized output
F: Output Linearization (OL) data NE08/10L/L08E02FP.DAT in File (F)**Input: Colorimetric Television Luminous System TLS70**for hue $h^* = lab^*h = 142/360 = 0.395$
 lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 89 45 142

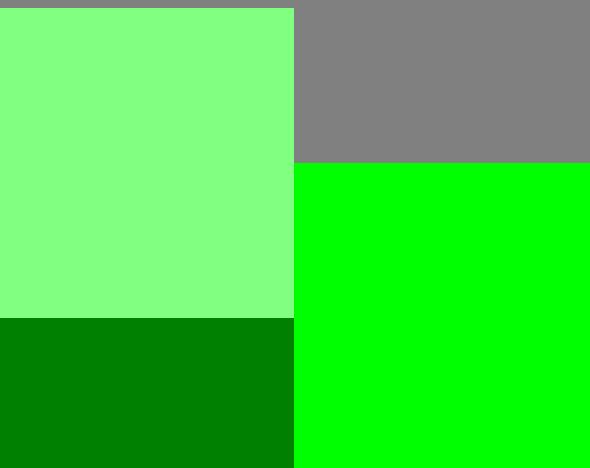
olv*Ma: 0.0 1.0 0.0

triangle lightness t^* 

%Gamut

u*_{rel} = 16

%Regularity

g*_{H,rel} = 34g*_{C,rel} = 51

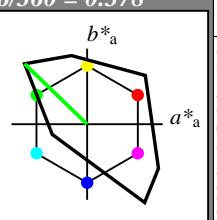
n* = 1,0

Output: Colorimetric Television Luminous System TLS00for hue $h^* = lab^*h = 136/360 = 0.378$
 lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^* 

%Gamut

u*_{rel} = 158

%Regularity

g*_{H,rel} = 20g*_{C,rel} = 37

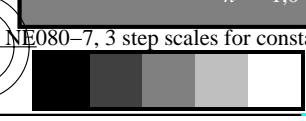
relative Inform. Technology (IT)				
olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LABa	95.41	0.0	0.0	
LAB*TChA	99.99	0.01	-	
relative CIELAB lab*				
lab*lab	1.0	0.0	0.0	
lab*tch	1.0	0.0	-	
lab*nch	0.0	0.0	-	
relative Natural Colour (NC)				
lab*lrj	1.0	0.0	0.0	
lab*tce	1.0	0.0	-	
lab*ncE	0.0	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	89.51	-41.36	39.94	
LAB*LABa	89.51	-41.36	39.94	
LAB*TChA	75.00	57.51	136.01	
relative CIELAB lab*				
lab*lab	0.938	-0.359	0.347	
lab*tch	0.75	0.5	0.378	
lab*nch	0.0	0.5	0.378	
relative Natural Colour (NC)				
lab*lrj	0.938	-0.415	0.278	
lab*tce	0.75	0.5	0.406	
lab*ncE	0.0	0.5	j62g	

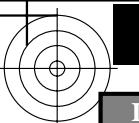
relative Inform. Technology (IT)				
olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TChA	50.00	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*ncE	0.5	0.0	-	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	0.5
cmyn4*	0.5	0.0	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	41.82	-41.36	39.94	
LAB*LABa	41.82	-41.36	39.94	
LAB*TChA	25.01	57.51	136.01	
relative CIELAB lab*				
lab*lab	0.438	-0.359	0.347	
lab*tch	0.25	0.5	0.378	
lab*nch	0.5	0.5	0.378	
relative Natural Colour (NC)				
lab*lrj	0.438	-0.415	0.278	
lab*tce	0.25	0.5	0.406	
lab*ncE	0.5	0.5	j62g	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.0	1.0	(0.0)
olvi4*	0.0	1.0	0.0	1.0
cmyn4*	1.0	0.0	1.0	0.0
standard and adapted CIELAB				
LAB*LAB	83.62	-82.73	79.88	
LAB*LABa	83.62	-82.73	79.88	
LAB*TChA	50.00	115.01	136.01	
relative CIELAB lab*				
lab*lab	0.876	-0.718	0.694	
lab*tch	0.5	1.0	0.378	
lab*nch	0.0	1.0	0.378	
relative Natural Colour (NC)				
lab*lrj	0.876	-0.83	0.555	
lab*tce	0.5	1.0	0.406	
lab*ncE	0.0	1.0	j62g	



NE080-7, 3 step scales for constant CIELAB hue 142/360 = 0.395 (left)
 BAM-test chart NE08; Colorimetric systems TLS70 & TLS00
 D65: 3 step colour scales and coordinate data for 10 hues
 input: olv* setrgbcolor
 output: olv* setrgbcolor / w* setgray



c
M
Y
O
L
V

See for similar files: <http://www.ps.bam.de/NE08/>
 Technical information: <http://www.ps.bam.de>

n* = 1,0
 L
 chromaticness c*
 n* = 0,50
 n* = 0,00
 blackness n*



Input: Colorimetric Television Luminous System TLS70

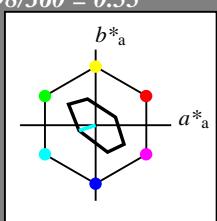
for hue $h^* = lab^*h = 198/360 = 0.55$
 lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 91 23 198

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

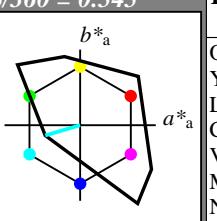
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

$olvi3^*$ 1.0 1.0 1.0 (1.0)

$cmyn3^*$ 0.0 0.0 0.0 (0.0)

$olvi4^*$ 1.0 1.0 1.0 1.0

$cmyn4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 95.41 0.0 0.0

LAB^*LABa 95.41 0.0 0.0

LAB^*TChA 99.99 0.01 -

relative CIELAB lab*

lab^*lab 1.0 0.0 0.0

lab^*tch 1.0 0.0 -

lab^*nch 0.0 0.0 -

relative Natural Colour (NC)

lab^*lrij 1.0 0.0 0.0

lab^*tce 1.0 0.0 -

lab^*ncE 0.0 0.0 -

relative Inform. Technology (IT)

$olvi3^*$ 0.5 1.0 1.0 (1.0)

$cmyn3^*$ 0.5 0.0 0.0 (0.0)

$olvi4^*$ 0.5 1.0 1.0 1.0

$cmyn4^*$ 0.5 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 91.14 -23.07 -6.77

LAB^*LABa 91.14 -23.07 -6.77

LAB^*TChA 75.0 24.06 196.37

relative CIELAB lab*

lab^*lab 0.955 -0.479 -0.14

lab^*tch 0.75 0.5 0.545

lab^*nch 0.0 0.5 0.545

relative Natural Colour (NC)

lab^*lrij 0.955 -0.44 -0.234

lab^*tce 0.75 0.5 0.578

lab^*ncE 0.0 0.5 g31b

relative Inform. Technology (IT)

$olvi3^*$ 0.0 0.0 0.0 (1.0)

$cmyn3^*$ 1.0 0.5 0.5 (0.0)

$olvi4^*$ 1.0 1.0 1.0 0.5

$cmyn4^*$ 0.5 0.0 0.0 0.5

standard and adapted CIELAB

LAB^*LAB 0.03 0.0 0.0

LAB^*LABa 0.03 0.0 0.0

LAB^*TChA 0.01 0.01 -

relative CIELAB lab*

lab^*lab 0.0 0.0 0.0

lab^*tch 0.0 0.0 -

lab^*nch 1.0 0.0 -

relative Natural Colour (NC)

lab^*lrij 0.0 0.0 0.0

lab^*tce 0.0 0.0 -

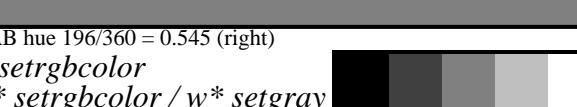
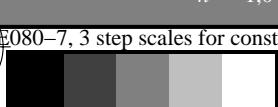
lab^*ncE 1.0 0.0 -

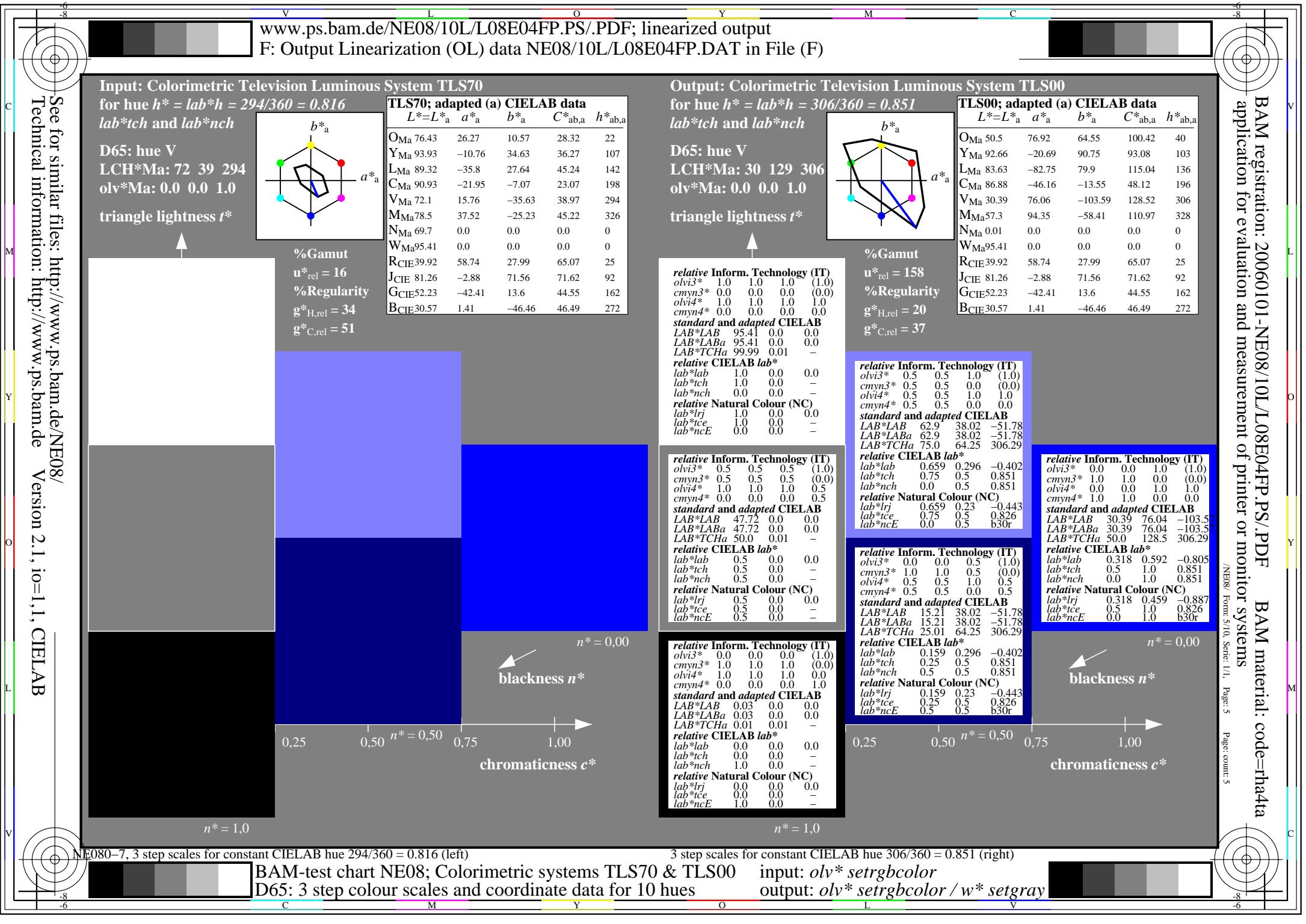
3 step scales for constant CIELAB hue 196/360 = 0.545 (right)

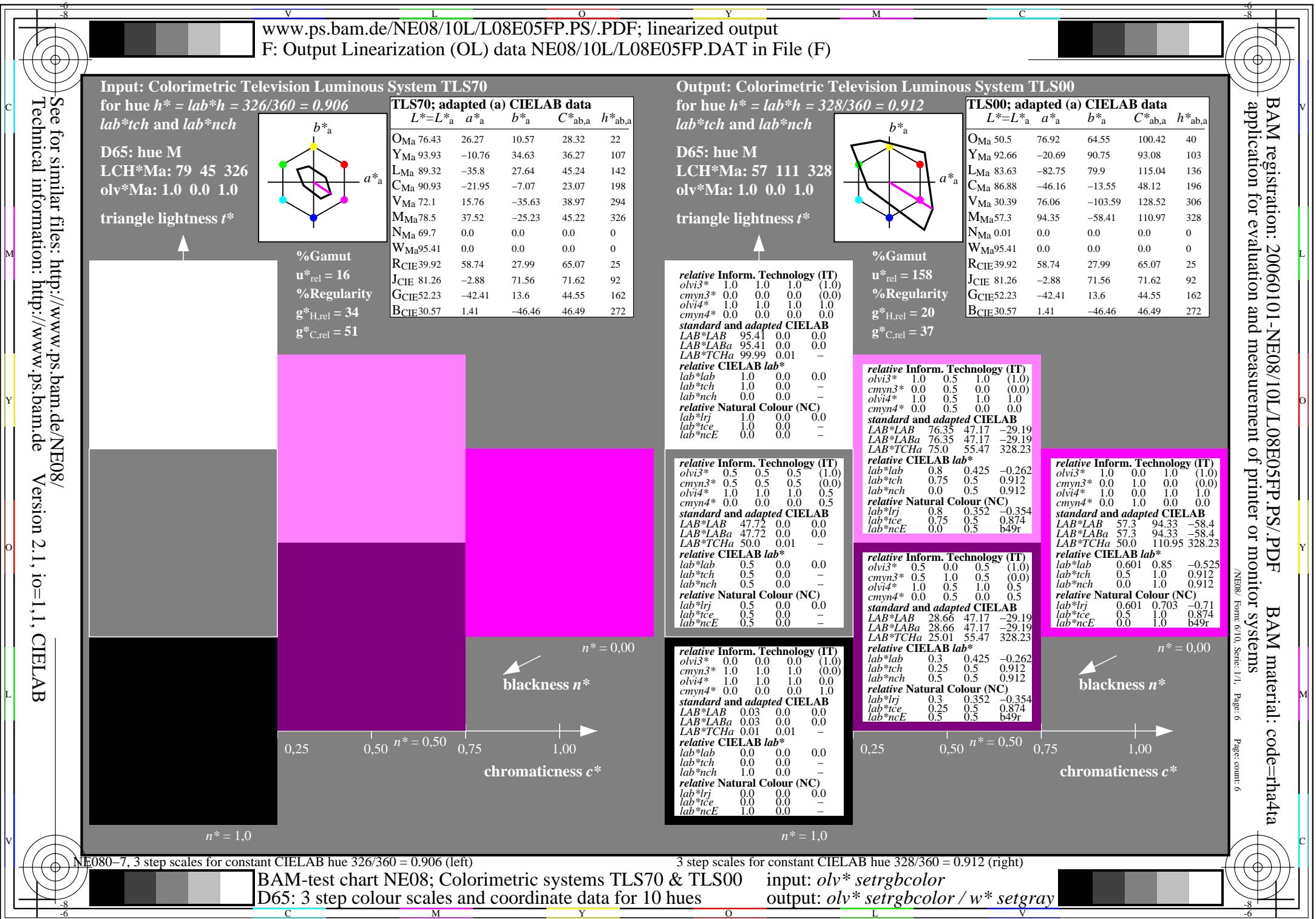
input: $olv^* setrgbcolor$

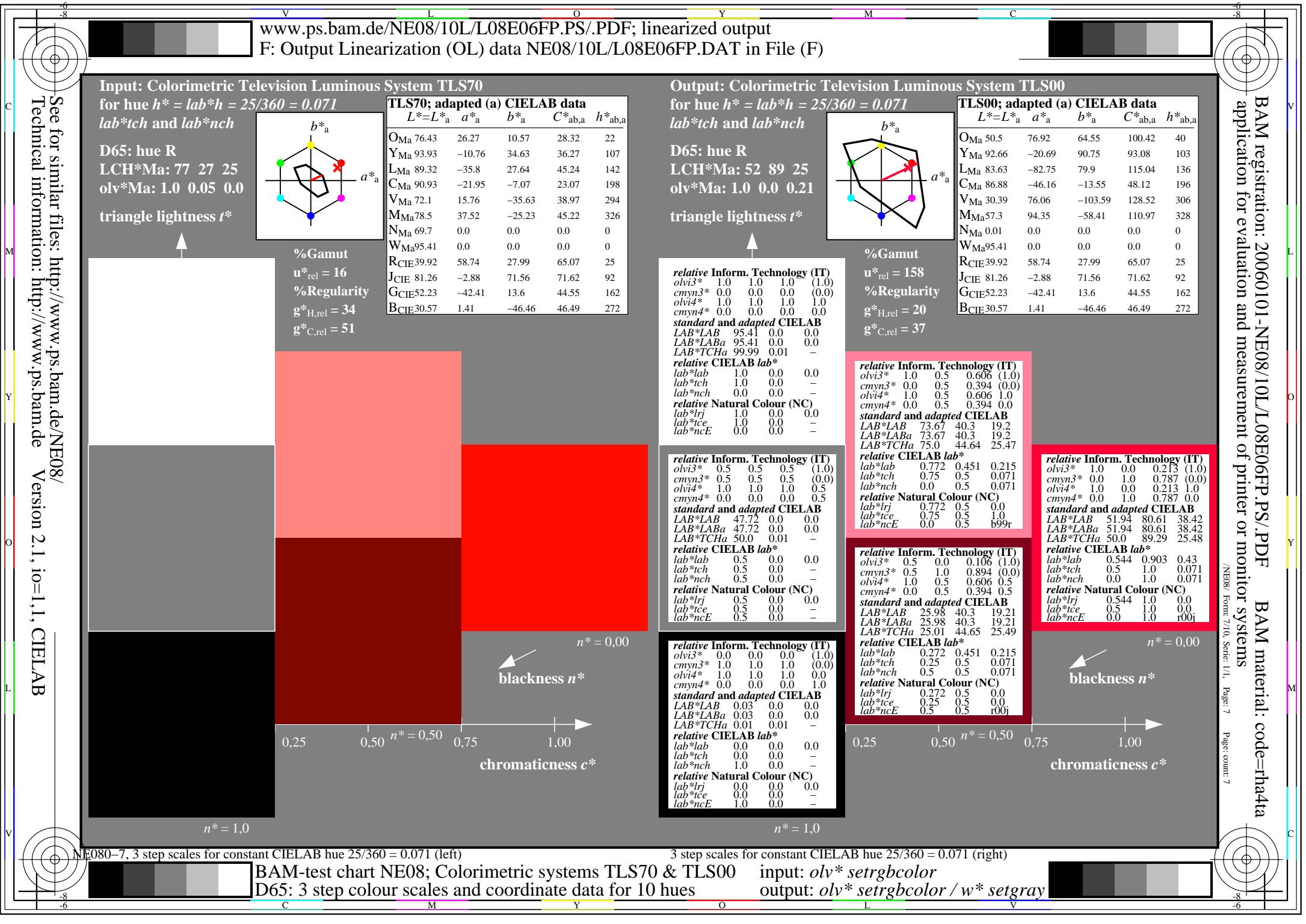
output: $olv^* setrgbcolor / w^* setgray$

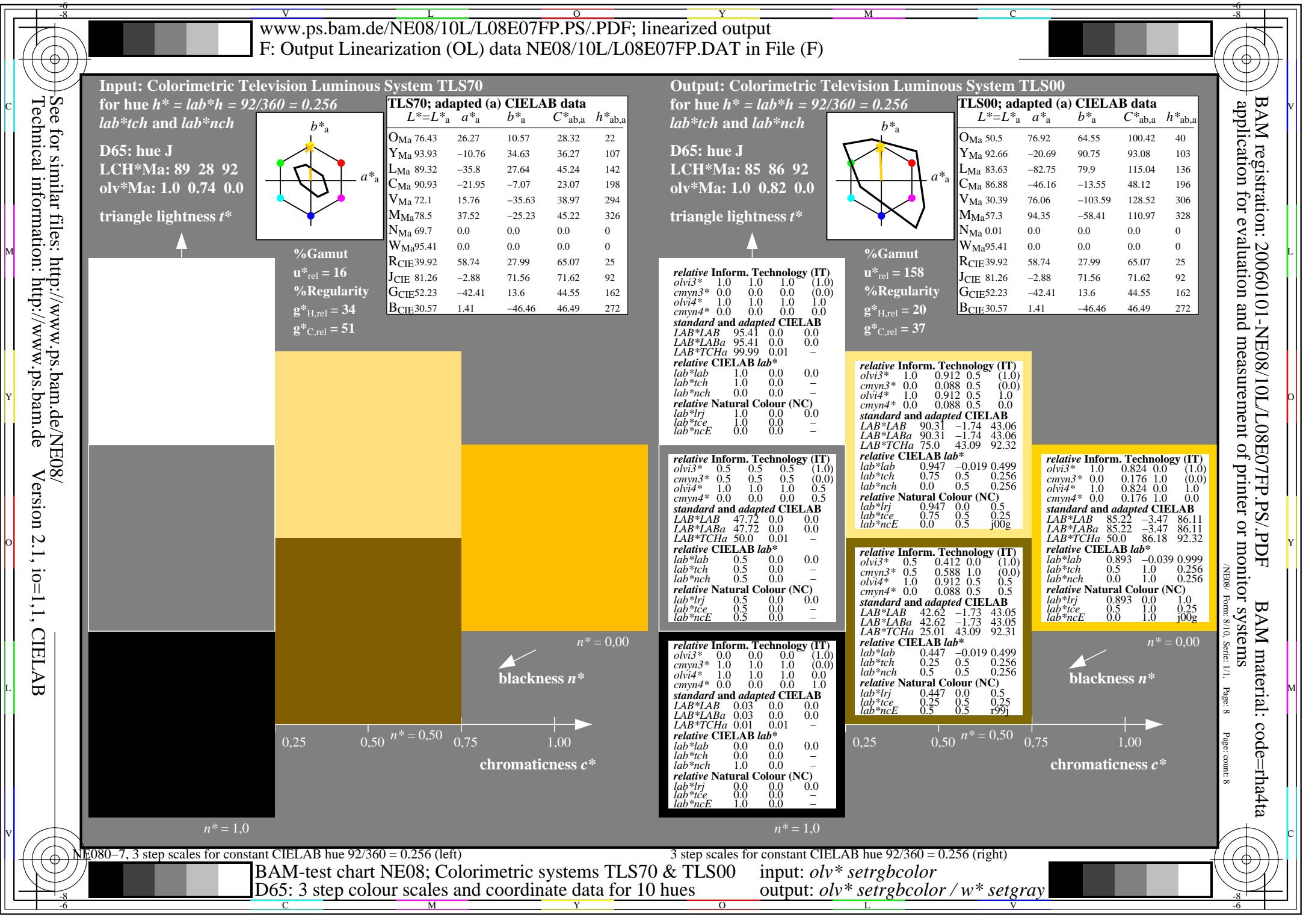
NE08-7, 3 step scales for constant CIELAB hue 198/360 = 0.55 (left)
 BAM-test chart NE08; Colorimetric systems TLS70 & TLS00
 D65: 3 step colour scales and coordinate data for 10 hues

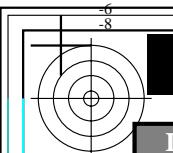
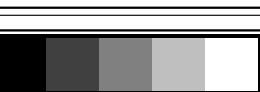












www.ps.bam.de/NE08/10L/L08E08FP.PS/.PDF; linearized output
F: Output Linearization (OL) data NE08/10L/L08E08FP.DAT in File (F)

Input: Colorimetric Television Luminous System TLS70

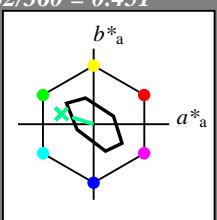
for hue $h^* = lab^*h = 162/360 = 0.451$
 lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

triangle lightness t^*



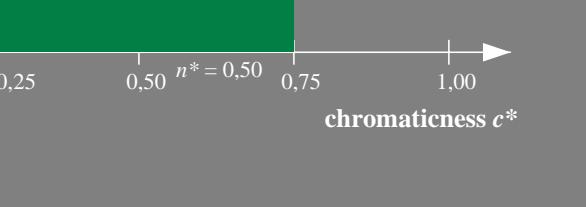
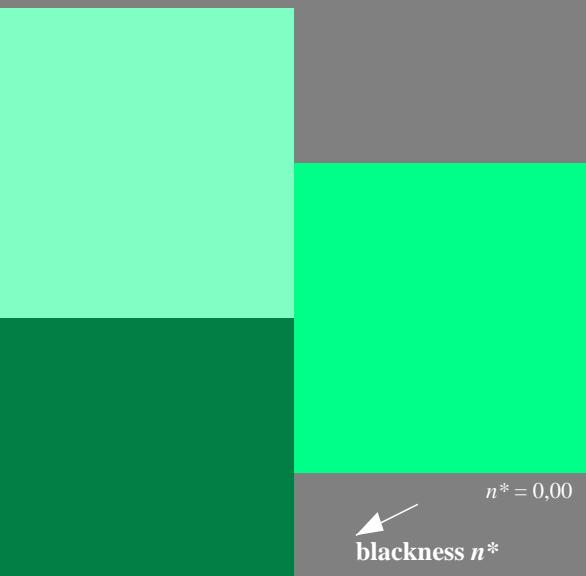
%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$



Output: Colorimetric Television Luminous System TLS00

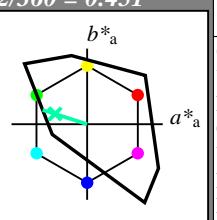
for hue $h^* = lab^*h = 162/360 = 0.451$
 lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

$olvi3^*$ 1.0 1.0 1.0 (1.0)

$cmyn3^*$ 0.0 0.0 0.0 (0.0)

$olvi4^*$ 1.0 1.0 1.0 1.0

$cmyn4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 95.41 0.0 0.0

LAB^*LABa 95.41 0.0 0.0

LAB^*TChA 99.99 0.01 -

relative CIELAB lab*

lab^*lab 1.0 0.0 0.0

lab^*tch 1.0 0.0 -

lab^*nch 0.0 0.0 -

relative Natural Colour (NC)

lab^*lrij 1.0 0.0 0.0

lab^*tce 1.0 0.0 -

lab^*ncE 0.0 0.0 -

relative Inform. Technology (IT)

$olvi3^*$ 0.5 1.0 0.826 (1.0)

$cmyn3^*$ 0.5 0.0 0.174 (0.0)

$olvi4^*$ 0.5 1.0 0.827 1.0

$cmyn4^*$ 0.5 0.0 0.173 0.0

standard and adapted CIELAB

LAB^*LAB 90.57 -29.42 9.43

LAB^*LABa 90.57 -29.42 9.43

LAB^*TChA 75.0 30.9 162.23

relative CIELAB lab*

lab^*lab 0.949 -0.475 0.153

lab^*tch 0.75 0.5 0.451

lab^*nch 0.0 0.5 0.451

relative Natural Colour (NC)

lab^*lrij 0.949 -0.499 0.0

lab^*tce 0.75 0.5 0.5

lab^*ncE 0.0 0.5 g00b

relative Inform. Technology (IT)

$olvi3^*$ 0.0 0.5 0.326 (1.0)

$cmyn3^*$ 1.0 0.5 0.674 (0.0)

$olvi4^*$ 0.5 1.0 0.826 0.5

$cmyn4^*$ 0.5 0.0 0.174 0.5

standard and adapted CIELAB

LAB^*LAB 42.88 -29.42 9.44

LAB^*LABa 42.88 -29.42 9.44

LAB^*TChA 25.01 30.91 162.22

relative CIELAB lab*

lab^*lab 0.449 -0.475 0.153

lab^*tch 0.25 0.5 0.451

lab^*nch 0.5 0.5 0.451

relative Natural Colour (NC)

lab^*lrij 0.449 -0.499 0.0

lab^*tce 0.25 0.5 0.5

lab^*ncE 0.5 0.5 j99g

3 step scales for constant CIELAB hue 162/360 = 0.451 (right)

input: $olv^* setrgbcolor$

output: $olv^* setrgbcolor / w^* setgray$

NE08-7, 3 step scales for constant CIELAB hue 162/360 = 0.451 (left)

BAM-test chart NE08; Colorimetric systems TLS70 & TLS00

D65: 3 step colour scales and coordinate data for 10 hues



