

See for similar files: <http://www.ps.bam.de/PE10/>
 Technical information: <http://www.ps.bam.de>

Version 2.1, io=11, CIELAB

www.ps.bam.de/PE10/10S/S10E00FP.PS/.PDF; linearized output
 F: Output Linearization (OL) data PE10/10S/S10E00FP.DAT in File (F)

Input: Colorimetric Offset Reflective System ORS18

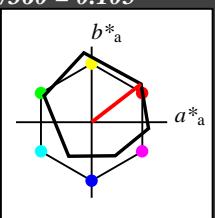
for hue $h^* = lab^*h = 38/360 = 0.105$
 lab^*tch and lab^*nch

D50: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)

olv3* 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 -0.98 4.75
 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)

olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olvi4* 1.0 1.0 1.0 0.5
 cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB

LAB*LAB 56.71 -0.24 2.14
 LAB*LABa 56.71 0.0 0.0
 LAB*TChA 50.0 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)

olv3* 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 18.02 0.5 -0.47
 LAB*LABa 18.02 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*lrj 0.0 0.0 0.0
 lab*tce 0.0 0.0 -
 lab*ncE 1.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

Output: Colorimetric Television Luminous System TLS00

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

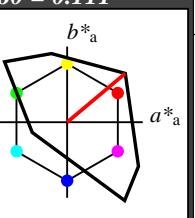
lab*tch and lab*nch

D50: 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^*_a	b^*_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

$n^* = 0,00$

blackness n^*

chromaticness c^*

0,25

0,50

0,75

1,00

$n^* = 1,0$

$n^* = 0,00$

$n^* = 1,0$

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,00$

$n^* = 0,00$

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

$n^* = 1,0$

$n^* = 1,0$

3 step scales for constant CIELAB hue 38/360 = 0.105 (left)

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

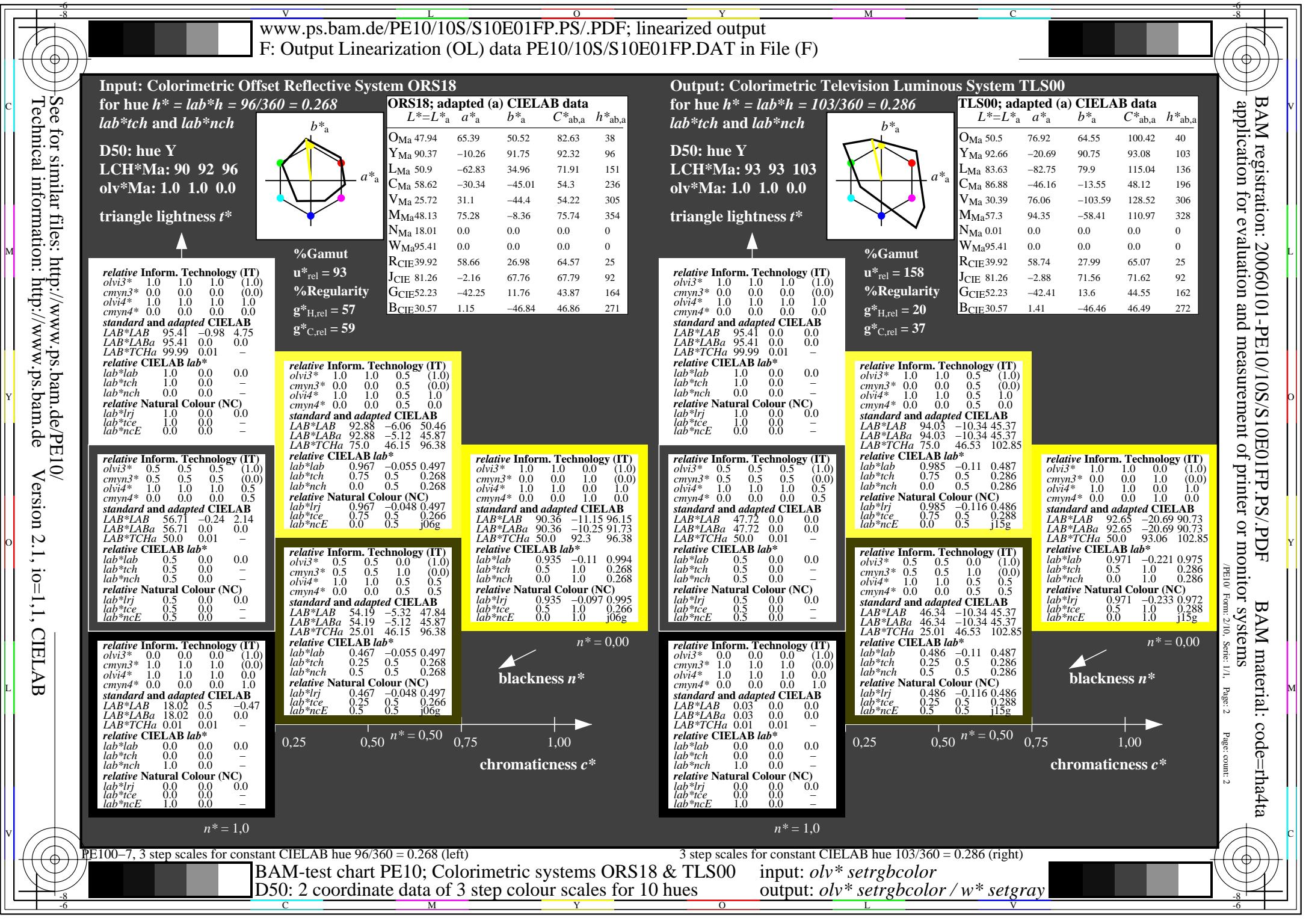
input: $olv^* setrgbcolor$
 output: $olv^* setrgbcolor / w^* setgray$

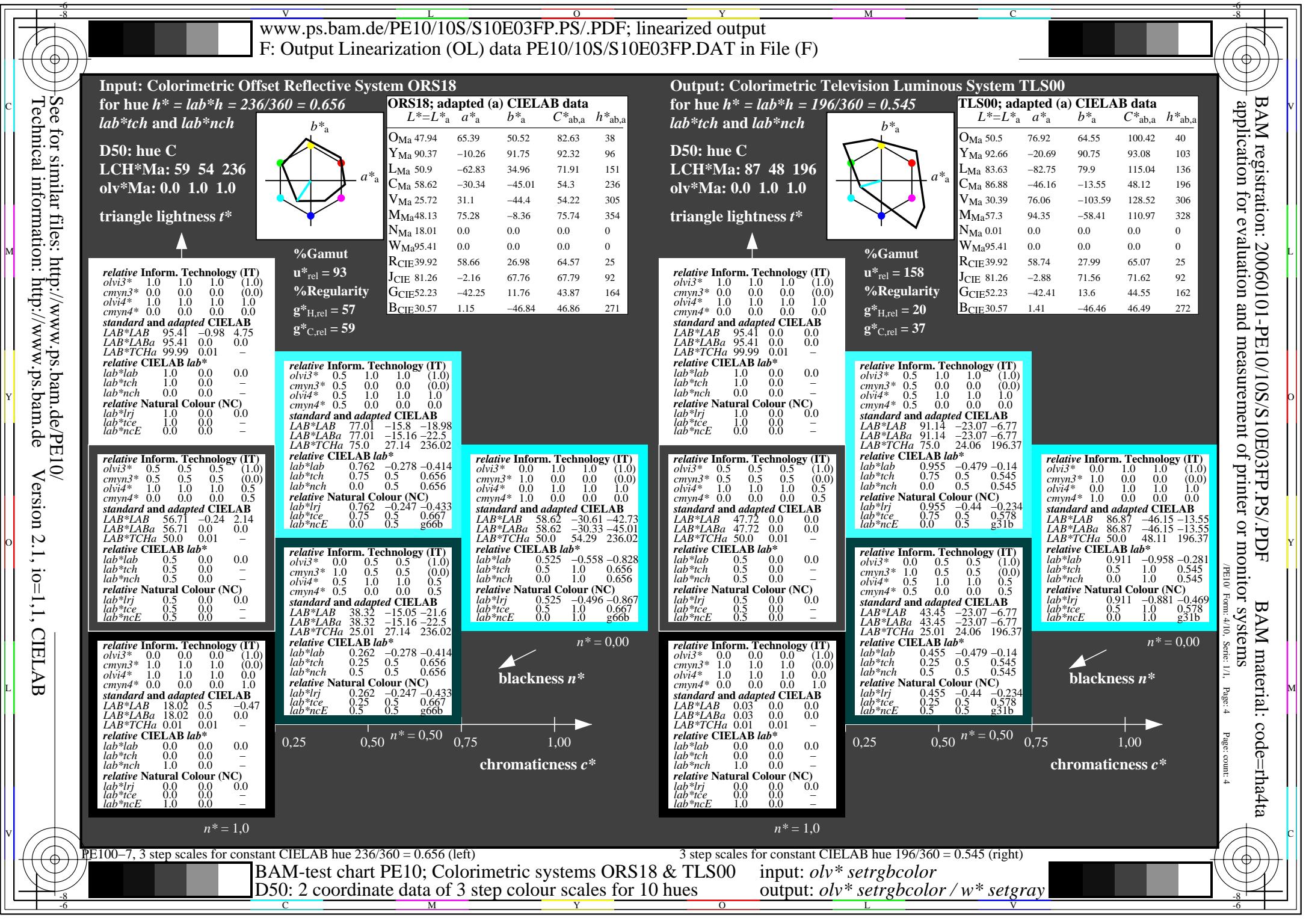
PE10-7, 3 step scales for constant CIELAB hue 38/360 = 0.105 (left)

BAM-test chart PE10; Colorimetric systems ORS18 & TLS00
 D50: 2 coordinate data of 3 step colour scales for 10 hues

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Input: Colorimetric Offset Reflective System ORS18

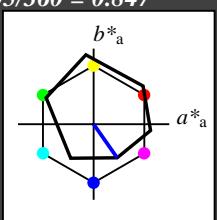
for hue $h^* = lab^*h = 305/360 = 0.847$
 lab^*tch and lab^*nch

D50: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)

olv*i*3* 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 -0.98 4.75
 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)

olv*i*3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olvi4* 0.5 0.5 1.0 1.0
 cmyn4* 0.5 0.5 0.0 0.0

standard and adapted CIELAB

LAB*LAB 60.56 15.23 -19.79
 LAB*LABa 60.56 15.55 -22.19
 LAB*TChA 75.0 27.1 305.0

relative CIELAB lab*

lab*lab 0.55 0.287 -0.408

lab*tch 0.75 0.5 0.847

lab*nch 0.0 0.5 0.847

relative Natural Colour (NC)

lab*lrj 0.55 0.225 -0.446

lab*tce 0.75 0.5 0.824

lab*ncE 0.0 0.5 b29r

relative Inform. Technology (IT)

olv*i*3* 0.0 0.0 0.5 (1.0)
 cmyn3* 1.0 1.0 0.5 (0.0)
 olvi4* 0.5 0.5 1.0 0.5
 cmyn4* 0.5 0.5 0.0 0.5

standard and adapted CIELAB

LAB*LAB 21.87 15.97 -22.4
 LAB*LABa 21.87 15.55 -22.19
 LAB*TChA 25.01 27.1 305.0

relative CIELAB lab*

lab*lab 0.05 0.287 -0.408

lab*tch 0.25 0.5 0.847

lab*nch 0.5 0.5 0.847

relative Natural Colour (NC)

lab*lrj 0.05 0.225 -0.446

lab*tce 0.25 0.5 0.824

lab*ncE 0.5 0.5 b29r

relative Inform. Technology (IT)

olv*i*3* 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 18.02 0.5 -0.47
 LAB*LABa 18.02 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*lrj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*ncE 1.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

$$L^* = L^*_{ab,a} \quad a^*_{ab,a} \quad b^*_{ab,a} \quad C^*_{ab,a} \quad h^*_{ab,a}$$

	O_{Ma}	65.39	50.52	82.63	38
Y_{Ma}	90.37	-10.26	91.75	92.32	96
L_{Ma}	50.9	-62.83	34.96	71.91	151
C_{Ma}	58.62	-30.34	-45.01	54.3	236
V_{Ma}	25.72	31.1	-44.4	54.22	305
M_{Ma}	48.13	75.28	-8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	-2.16	67.76	67.79	92
G_{CIE}	52.23	-42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	-46.84	46.86	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

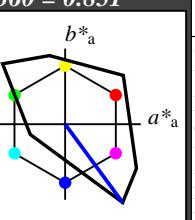
lab*tch and lab*nch

D50: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

%Regularity

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

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

TLS00; adapted (a) CIELAB data

$$L^* = L^*_{ab,a} \quad a^*_{ab,a} \quad b^*_{ab,a} \quad C^*_{ab,a} \quad h^*_{ab,a}$$

	O_{Ma}	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

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

	O_{Ma}	62.9	38.02	-51.78
Y_{Ma}	62.9	38.02	-51.78	306.29
L_{Ma}	47.72	0.0	0.0	0
C_{Ma}	47.72	0.0	0.0	0
V_{Ma}	50.0	54.21	305.0	-
M_{Ma}	50.0	0.01	-	-
N_{Ma}	0.0	0.0	-	-
W_{Ma}	0.659	0.296	-0.402	-
R_{CIE}	0.75	0.5	0.851	-
J_{CIE}	0.0	0.5	0.851	-
G_{CIE}	0.659	0.23	-0.443	-
B_{CIE}	0.75	0.5	0.826	-
lab^*ncE	0.0	0.5	b30r	-

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

	O_{Ma}	0.318	0.592	-0.805
Y_{Ma}	1.0	1.0	0.5	(0.0)
L_{Ma}	0.3	0.5	1.0	0.5
C_{Ma}	0.3	0.0	0.5	0.5
V_{Ma}	25.01	64.25	306.29	-
M_{Ma}	0.159	0.296	-0.402	-
N_{Ma}	0.25	0.5	0.851	-
W_{Ma}	0.5	0.5	0.851	-
R_{CIE}	0.159	0.23	-0.443	-
J_{CIE}	0.25	0.5	0.826	-
G_{CIE}	0.5	0.5	b30r	-
B_{CIE}	1.0	0.0	-	-

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

lab*tch and lab*nch

D50: hue V

LCH*Ma: 26 54 305

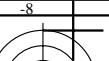
olv*Ma: 0.0 0.0 1.0

triangle lightness t^*

$n^* = 1,0$

3 step scales for constant CIELAB hue 305/360 = 0.847 (left)
 BAM-test chart PE10; Colorimetric systems ORS18 & TLS00
 D50: 2 coordinate data of 3 step colour scales for 10 hues

3 step scales for constant CIELAB hue 306/360 = 0.851 (right)
 input: $olv^* setrgbcolor$
 output: $olv^* setrgbcolor / w^* setgray$



Input: Colorimetric Offset Reflective System ORS18

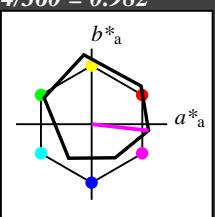
for hue $h^* = lab^*h = 354/360 = 0.982$
 lab^*tch and lab^*nch

D50: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
 olv_i3^* 1.0 1.0 1.0 (1.0)
 $cmy3^*$ 0.0 0.0 0.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 1.0
 $cmy4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 95.41 -0.98 4.75
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCh_a 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)
 olv_i3^* 1.0 0.5 1.0 (1.0)
 $cmy3^*$ 0.0 0.5 0.0 (0.0)
 olv_i4^* 1.0 0.5 1.0 1.0
 $cmy4^*$ 0.0 0.5 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 71.77 37.1 -1.01
 LAB^*LABa 71.77 37.63 -4.17
 LAB^*TCh_a 75.0 37.86 353.66

relative CIELAB lab*
 lab^*lab 0.695 0.497 -0.054
 lab^*tch 0.75 0.5 0.982
 lab^*nch 0.0 0.5 0.982

relative Natural Colour (NC)

lab^*lrij 0.695 0.454 -0.208

lab^*tce 0.75 0.5 0.932

lab^*ncE 0.0 0.5 b72r

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.0 0.0 (1.0)
 $cmy3^*$ 1.0 1.0 1.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.0
 $cmy4^*$ 0.0 0.0 0.0 1.0

standard and adapted CIELAB
 LAB^*LAB 18.02 0.5 -0.47
 LAB^*LABa 18.02 0.0 0.0
 LAB^*TCh_a 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 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{h,rel} = 57$

$g^*_{C,rel} = 59$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 328/360 = 0.912$

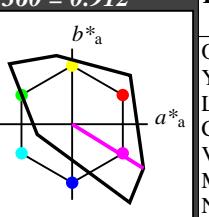
lab^*tch and lab^*nch

D50: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

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^*_a	b^*_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

$n^* = 0,00$

blackness n^*

chromaticness c^*

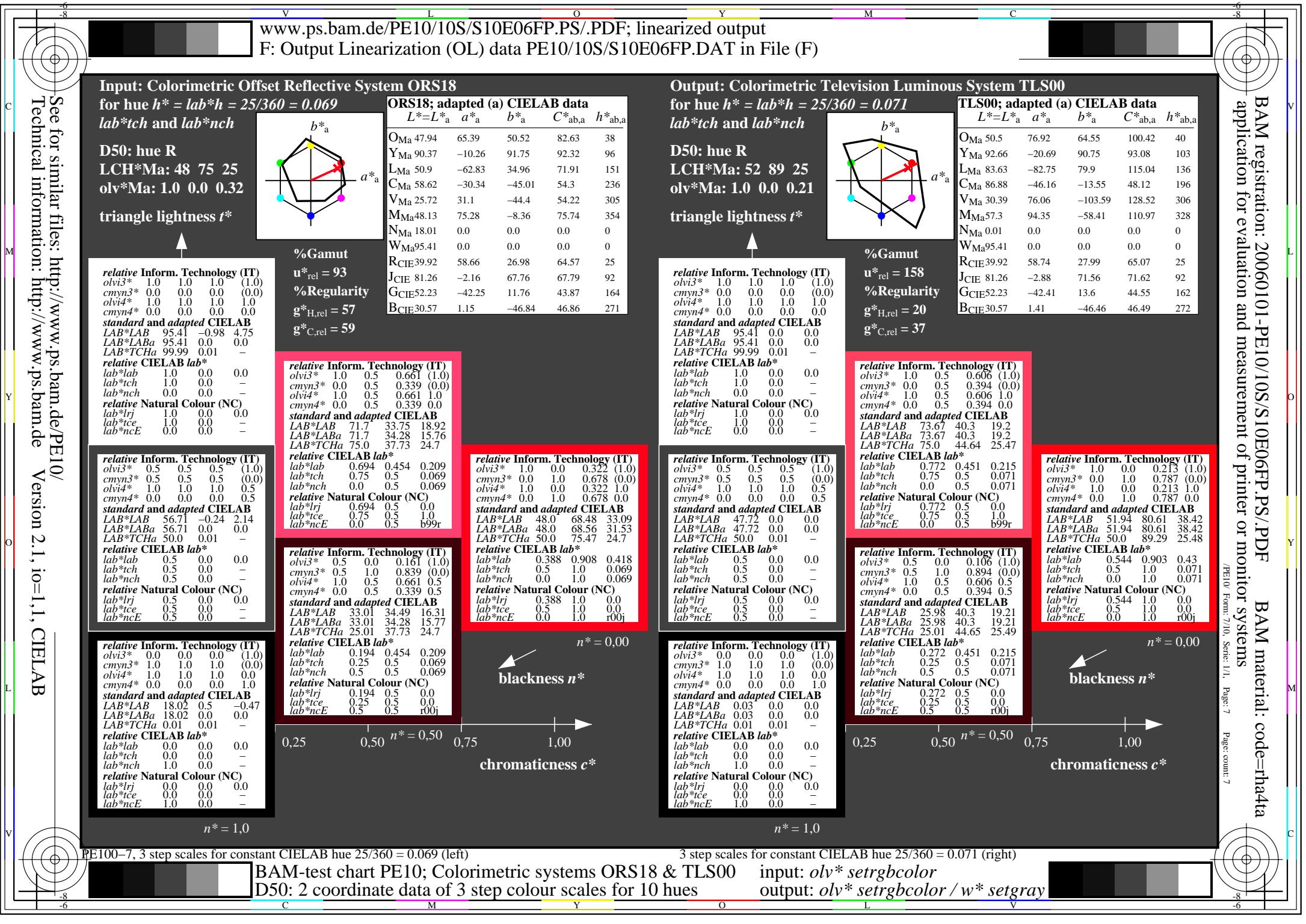
$n^* = 1,0$

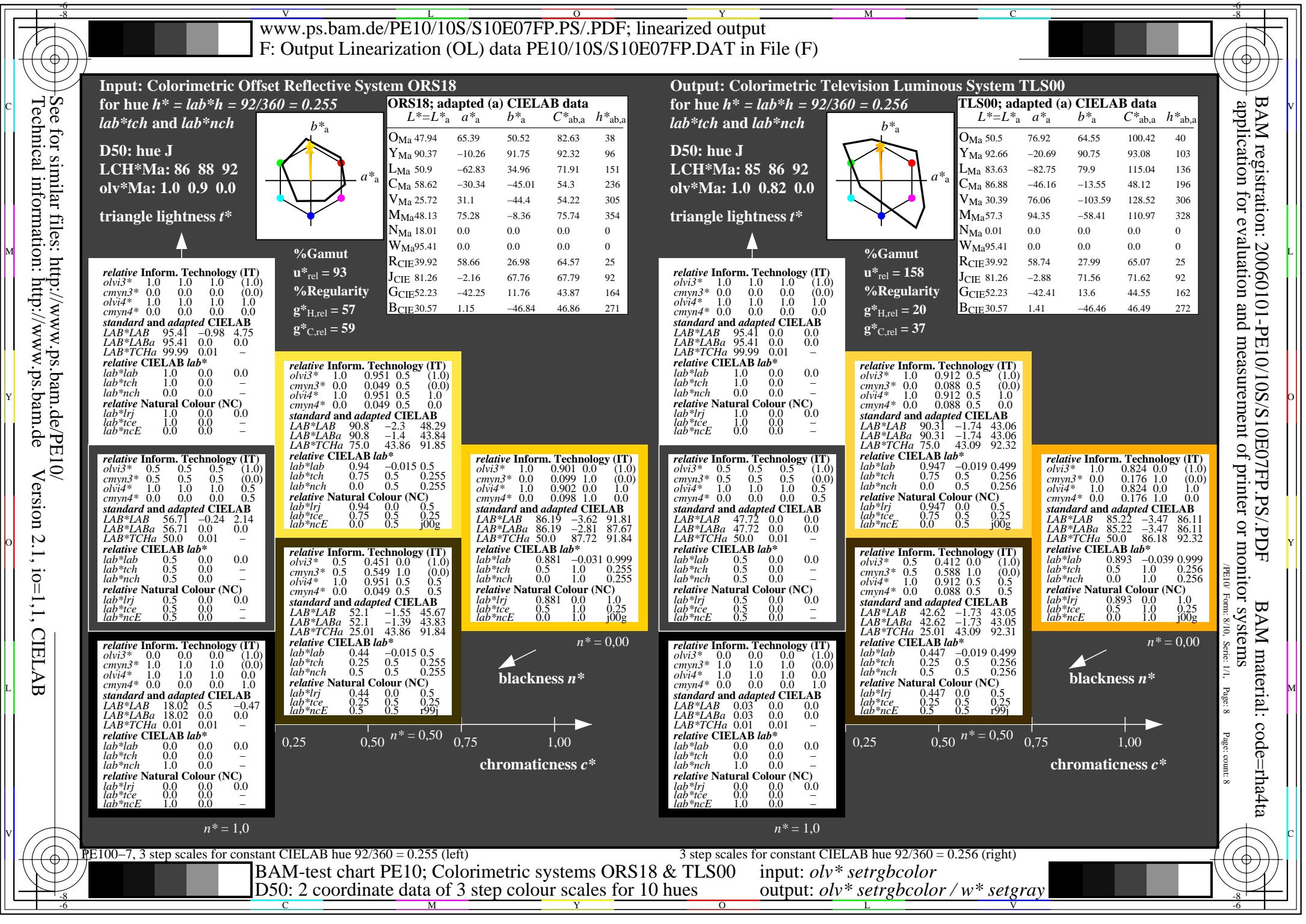
PE10-7, 3 step scales for constant CIELAB hue 354/360 = 0.982 (left)

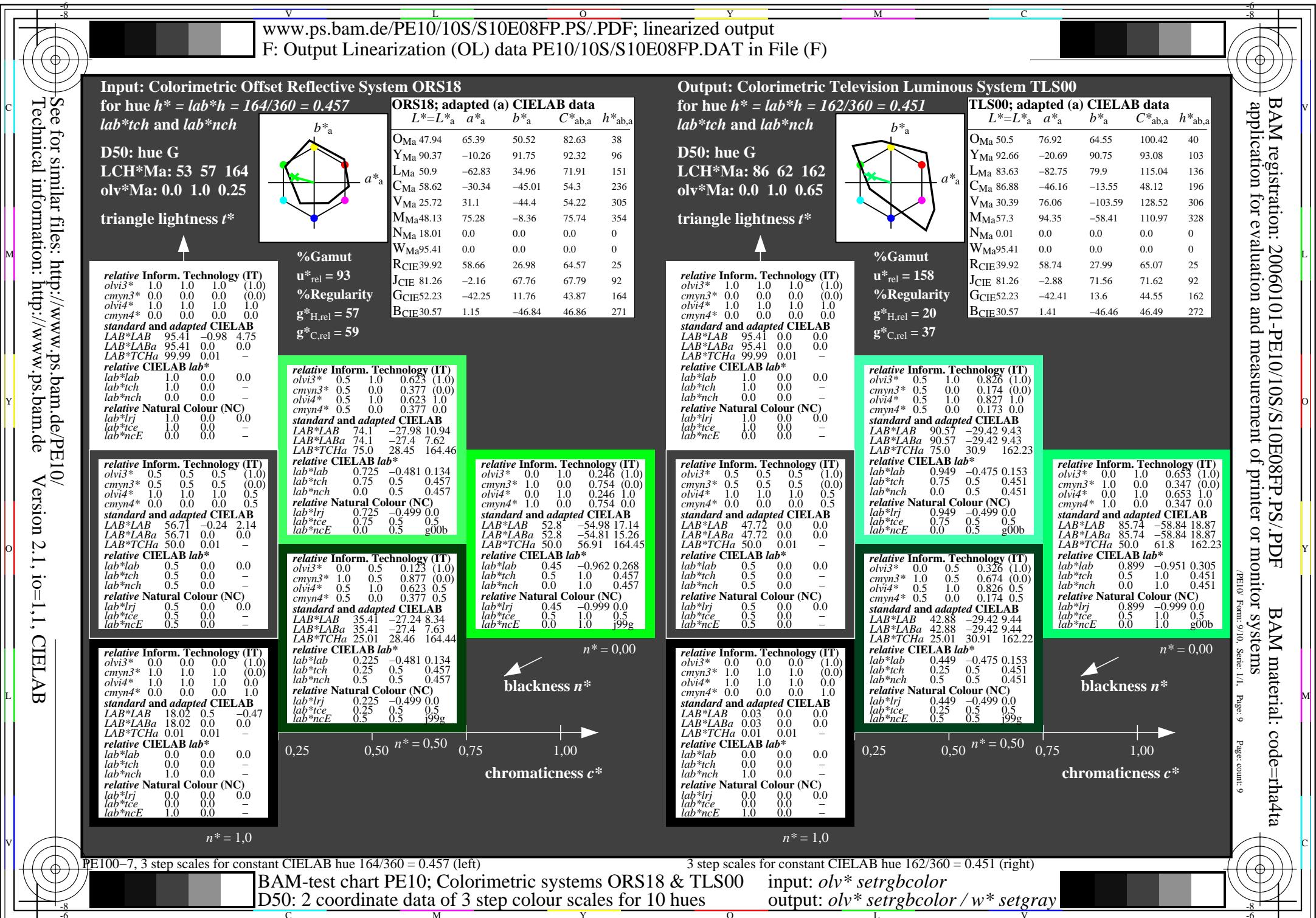
BAM-test chart PE10; Colorimetric systems ORS18 & TLS00
 D50: 2 coordinate data of 3 step colour scales for 10 hues

3 step scales for constant CIELAB hue 328/360 = 0.912 (right)

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







Input: Colorimetric Offset Reflective System ORS18

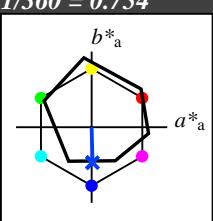
for hue $h^* = lab^*h = 271/360 = 0.754$
 lab^*tch and lab^*nch

D50: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



relative Inform. Technology (IT)

olv3* 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 -0.98 4.75
 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)

olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olvi4* 1.0 1.0 1.0 0.5
 cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB

LAB*LAB 56.71 -0.24 2.14
 LAB*LABa 56.71 0.0 0.0
 LAB*TChA 50.0 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)

olv3* 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 18.02 0.5 -0.47
 LAB*LABa 18.02 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*lrj 0.0 0.0 0.0
 lab*tce 0.0 0.0 -
 lab*ncE 1.0 0.0 -

$n^* = 1,0$

ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$

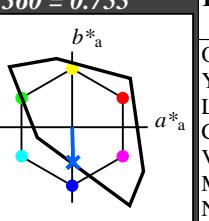
lab*tch and lab*nch

D50: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

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^*_a	b^*_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

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	0.5	0.5	0.5	(1.0)	
Y _{Ma}	1.0	0.5	0.5	(0.0)	
L _{Ma}	0.5	1.0	1.0	0.5	
C _{Ma}	0.0	0.0	0.0	0.5	
V _{Ma}	0.0	0.0	0.0	0.0	
M _{Ma}	0.0	0.0	0.0	0.0	
N _{Ma}	0.0	0.0	0.0	0.0	
W _{Ma}	0.0	0.0	0.0	0.0	
R _{CIE}	0.0	0.0	0.0	0.0	
J _{CIE}	0.0	0.0	0.0	0.0	
G _{CIE}	0.0	0.0	0.0	0.0	
B _{CIE}	0.0	0.0	0.0	0.0	

$n^* = 1,0$

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	0.61	1.0	1.0	(1.0)	
Y _{Ma}	0.39	0.0	0.0	(0.0)	
L _{Ma}	0.61	1.0	1.0	1.0	
C _{Ma}	0.39	0.0	0.0	0.0	
V _{Ma}	0.0	0.0	0.0	0.0	
M _{Ma}	0.0	0.0	0.0	0.0	
N _{Ma}	0.0	0.0	0.0	0.0	
W _{Ma}	0.0	0.0	0.0	0.0	
R _{CIE}	0.0	0.0	0.0	0.0	
J _{CIE}	0.0	0.0	0.0	0.0	
G _{CIE}	0.0	0.0	0.0	0.0	
B _{CIE}	0.0	0.0	0.0	0.0	

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	0.305	0.5	(1.0)		
Y _{Ma}	1.0	0.695	0.5	(0.0)	
L _{Ma}	0.5	0.805	1.0	0.5	
C _{Ma}	0.195	0.0	0.0	0.5	
V _{Ma}	0.0	0.0	0.0	0.0	
M _{Ma}	0.0	0.0	0.0	0.0	
N _{Ma}	0.0	0.0	0.0	0.0	
W _{Ma}	0.0	0.0	0.0	0.0	
R _{CIE}	0.0	0.0	0.0	0.0	
J _{CIE}	0.0	0.0	0.0	0.0	
G _{CIE}	0.0	0.0	0.0	0.0	
B _{CIE}	0.0	0.0	0.0	0.0	

$n^* = 1,0$

PE10-7, 3 step scales for constant CIELAB hue 271/360 = 0.754 (left)

BAM-test chart PE10; Colorimetric systems ORS18 & TLS00

D50: 2 coordinate data of 3 step colour scales for 10 hues

3 step scales for constant CIELAB hue 272/360 = 0.755 (right)

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

