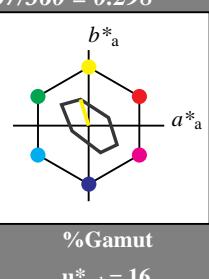


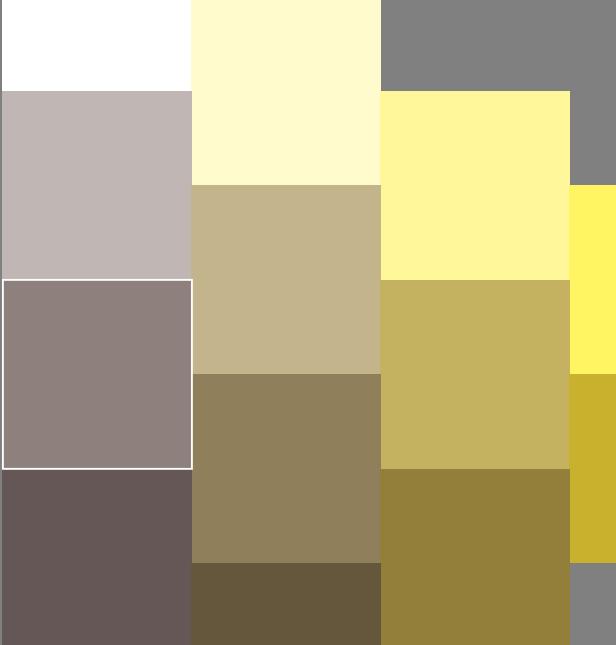
Input: Colorimetric Television Luminous System TLS70
for hue $h^* = lab^*h = 107/360 = 0.298$
 lab^*tch and lab^*nch

D65: hue Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 1.0 0.0

triangle lightness



	$L^*=L^*_a$	a^*_{a}	b^*_{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



chromaticness c^*

blackness n^*

$n^* = 1,00$

$n^* = 1,00$

$n^* = 1,00$

OE480-7, 5 step scales for constant CIELAB hue 107/360 = 0.298 (left)

BAM-test chart OE48; Colorimetric systems ORS18 & ORS18
D65: 5 step colour scales and coordinate data for 10 hues

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

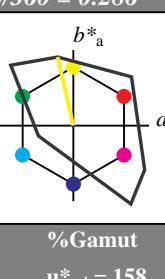
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

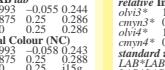
olv*Ma: 1.0 1.0 0.0

triangle lightness



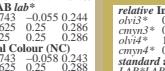
$g^*_{H,rel} = 20$

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



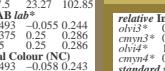
$g^*_{H,rel} = 20$

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



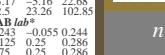
$g^*_{H,rel} = 20$

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



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

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



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

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



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

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

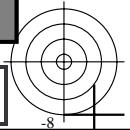


$n^* = 0,00$

blackness n^*

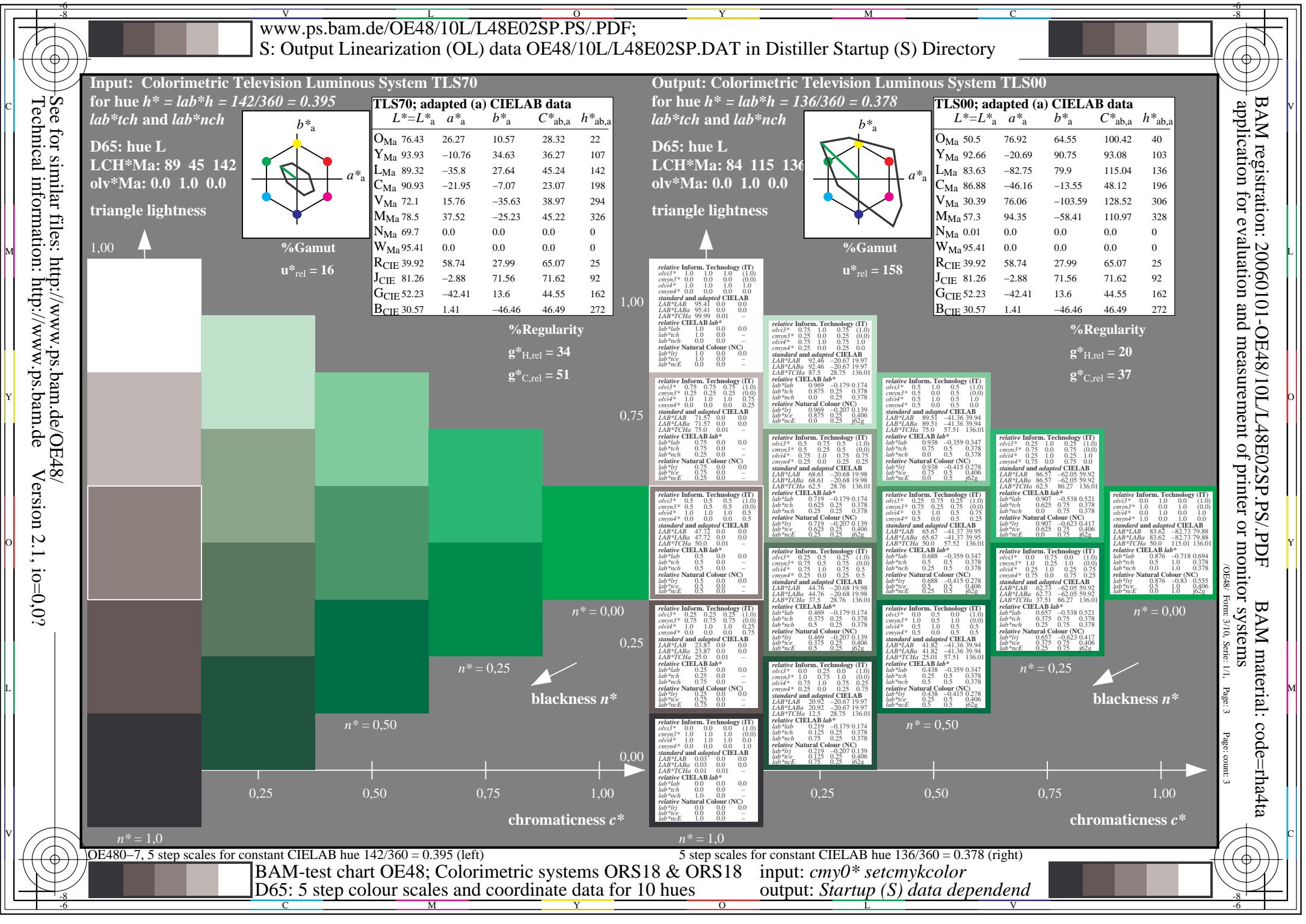
chromaticness c^*

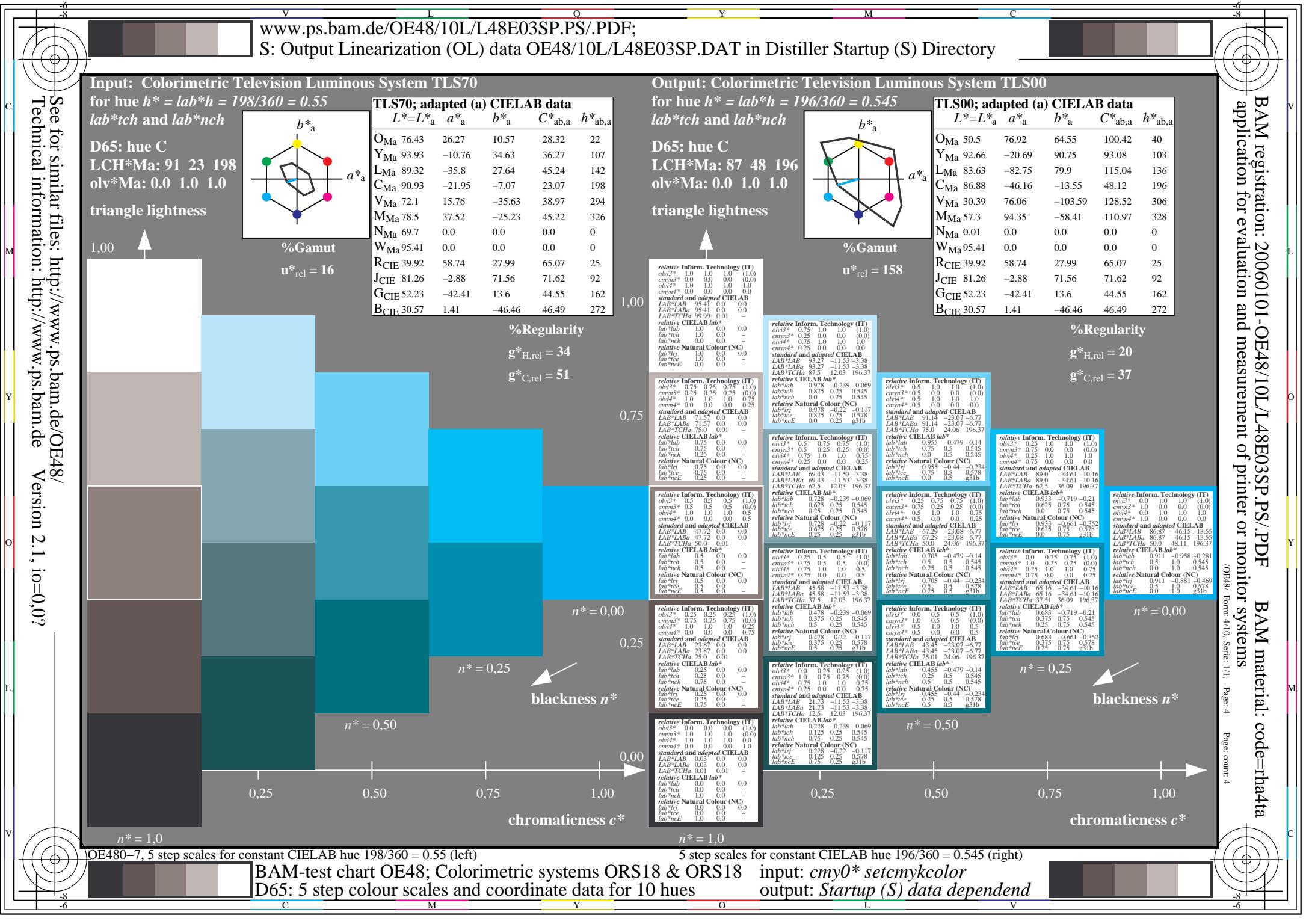
BAM registration: 20060101-OE48/10L/L48E01SP.PDF
application for evaluation and measurement of printer or monitor systems
/OE48/ Form 2/10, Serie: 1/1, Page: 2
Page: count: 2
BAM material: code=rha4ta



5 step scales for constant CIELAB hue 103/360 = 0.286 (right)

input: $cmy0*$ setcmykcolor
output: Startup (S) data dependend







Input: Colorimetric Television Luminous System TLS70
for hue $h^* = lab^*h = 294/360 = 0.816$

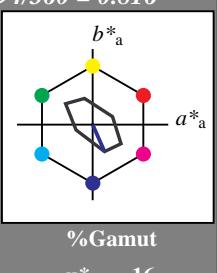
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

triangle lightness



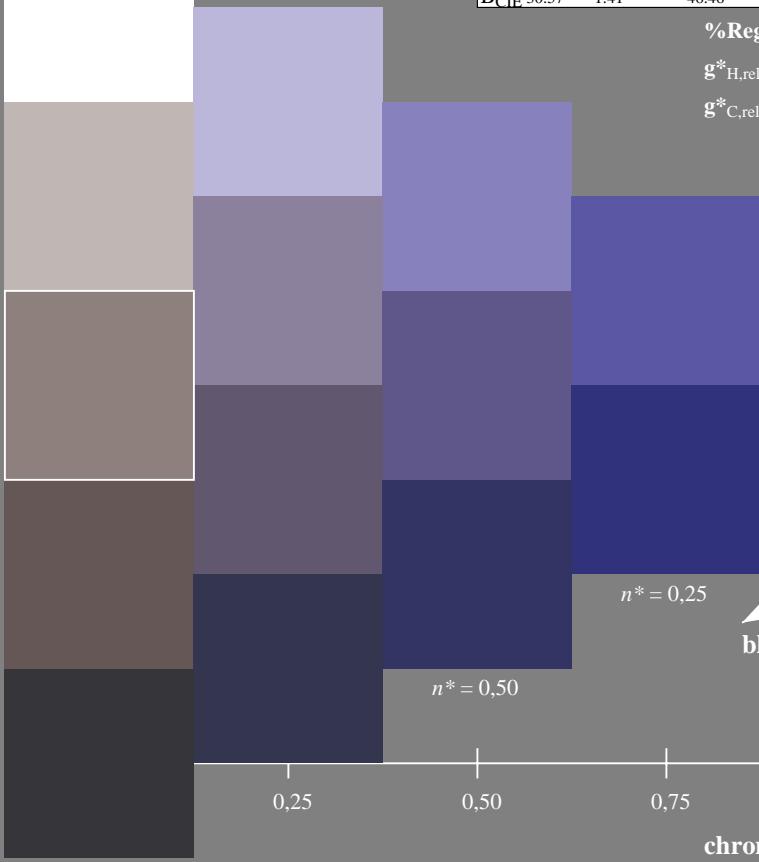
TLS70; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_{a}	b^*_{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

%Regularity

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

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



Output: Colorimetric Television Luminous System TLS00

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

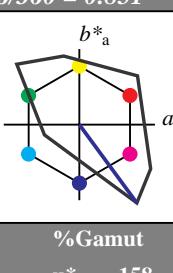
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness



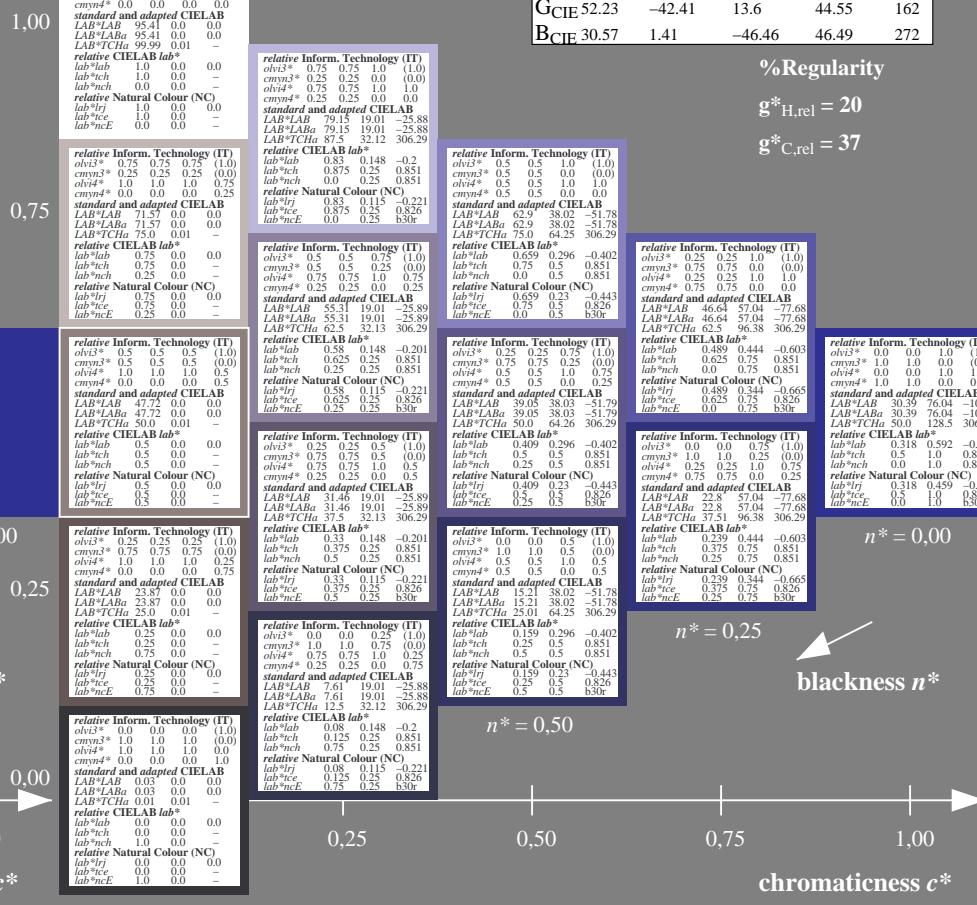
TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	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

%Regularity

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

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



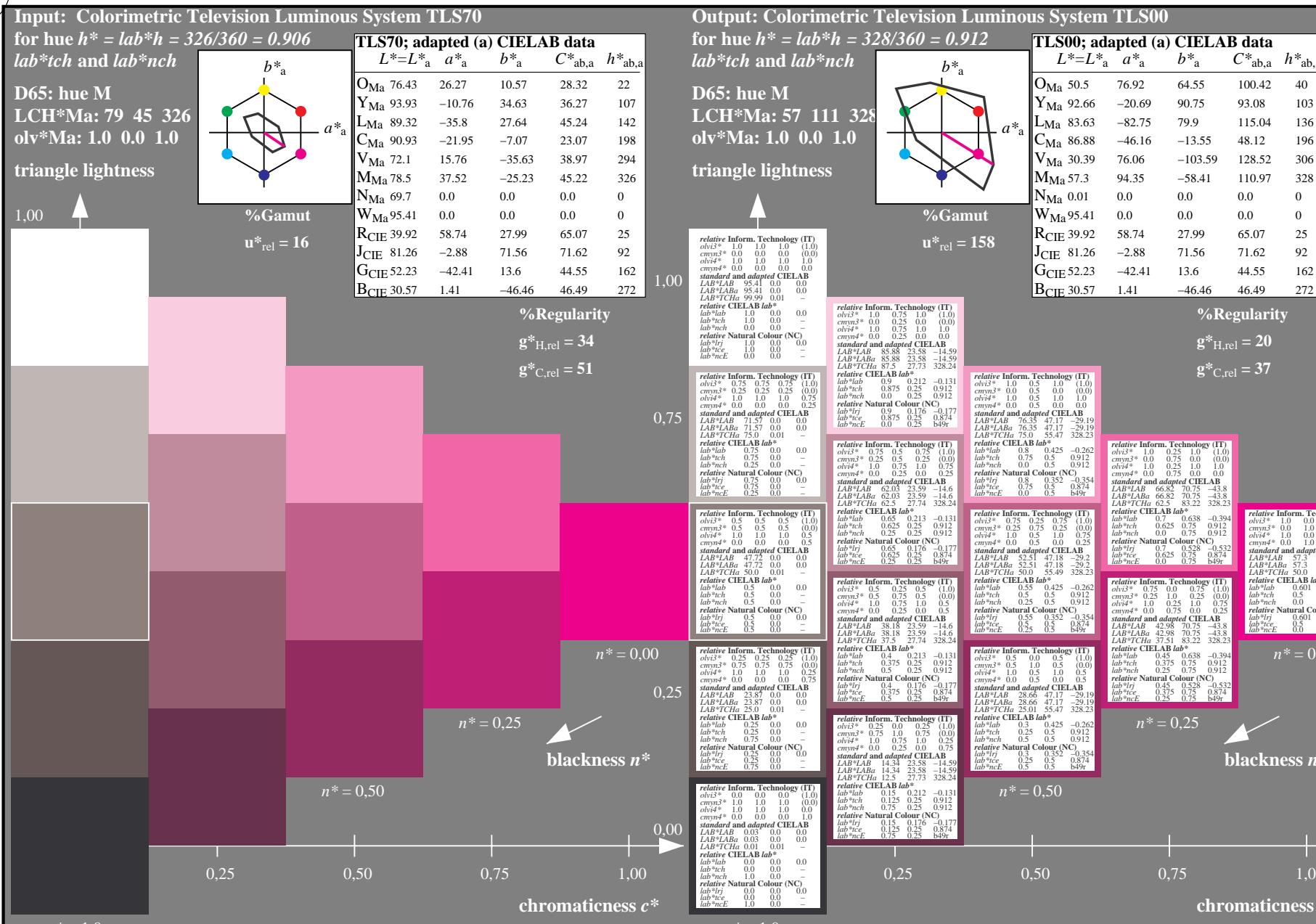
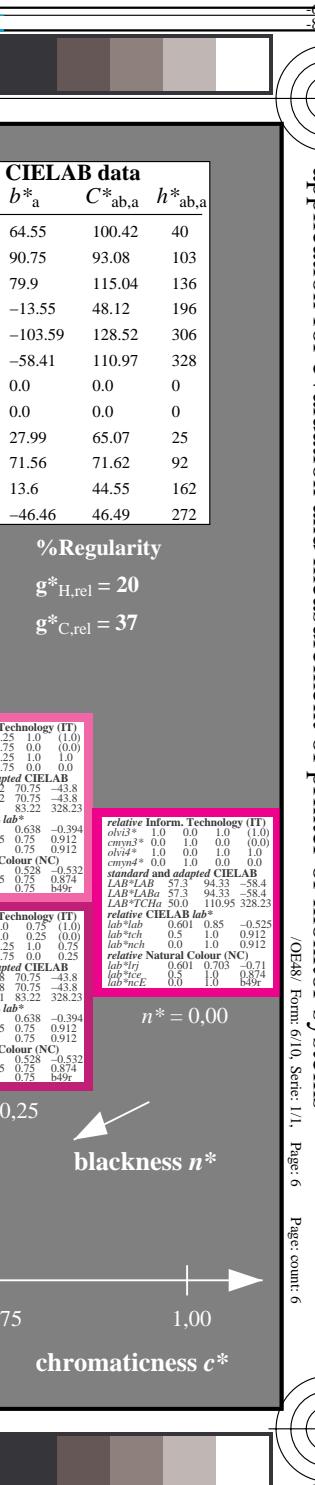
BAM registration: 20060101-OE48/10L/L48E04SP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
OE48/ Form 5/10, Serie: 1/1, Page: 5
Page: count: 5

OE480-7, 5 step scales for constant CIELAB hue 294/360 = 0.816 (left)

5 step scales for constant CIELAB hue 306/360 = 0.851 (right)

BAM-test chart OE48; Colorimetric systems ORS18 & ORS18
D65: 5 step colour scales and coordinate data for 10 hues

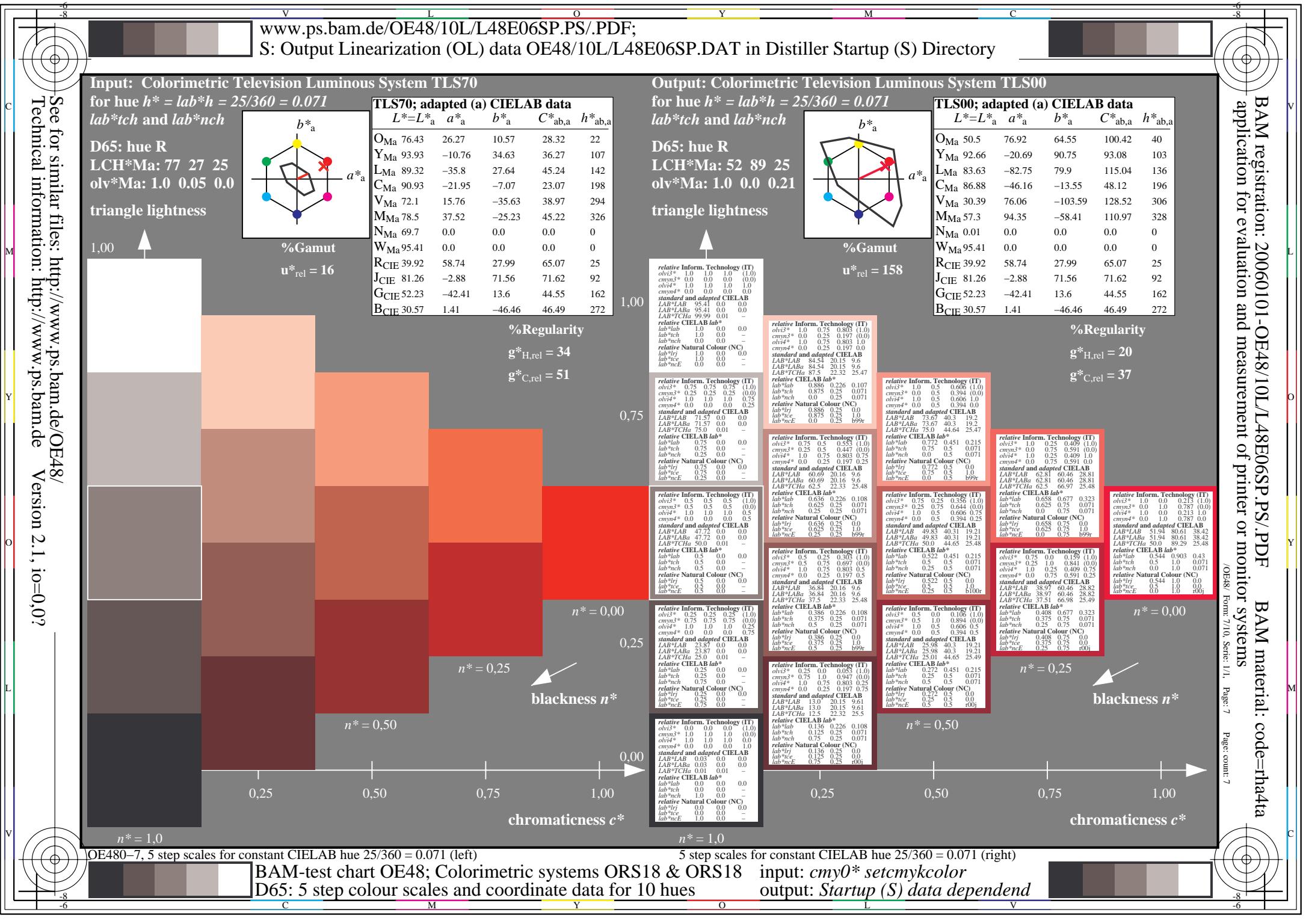
input: $cmy0^*$ setcmykcolor
output: Startup (S) data dependend

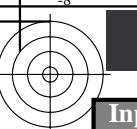


OE480-7, 5 step scales for constant CIELAB hue 326/360 = 0.906 (left)

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

BAM-test chart OE48; Colorimetric systems ORS18 & ORS18
D65: 5 step colour scales and coordinate data for 10 huesinput: cmy0* setcmykcolor
output: Startup (S) data dependend





Input: Colorimetric Television Luminous System TLS70
for hue $h^* = lab^*h = 92/360 = 0.256$

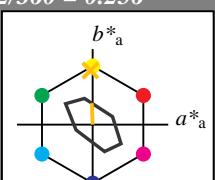
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

triangle lightness



TLS70; adapted (a) CIELAB data

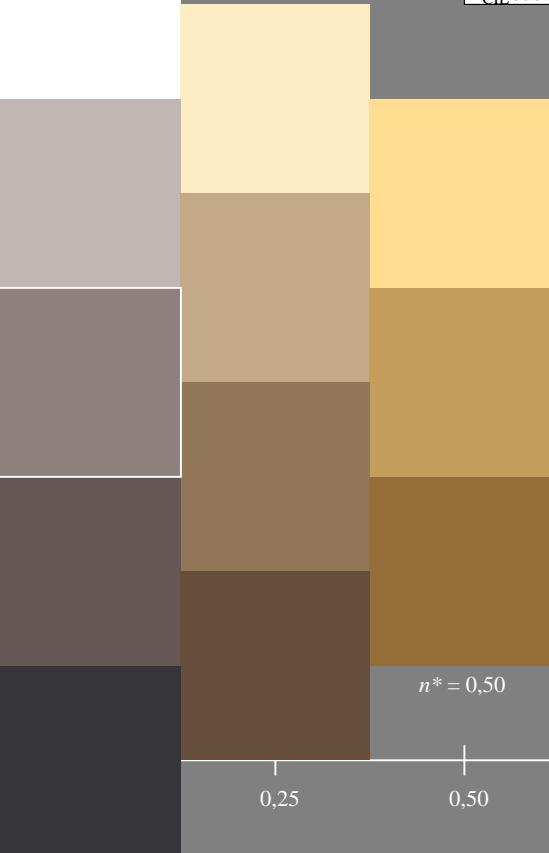
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	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

%Gamut
 $u^*_{rel} = 16$

triangle lightness

%Regularity

$$\begin{aligned} g^*_{H,rel} &= 34 \\ g^*_{C,rel} &= 51 \end{aligned}$$



n* = 0,00 n* = 0,25 n* = 0,50
blackness n* blackness n* blackness n*
chromaticness c* chromaticness c* chromaticness c*

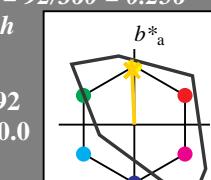
OE48-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

BAM-test chart OE48; Colorimetric systems ORS18 & ORS18
D65: 5 step colour scales and coordinate data for 10 hues

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$

lab^*tch and lab^*nch



%Gamut
 $u^*_{rel} = 158$

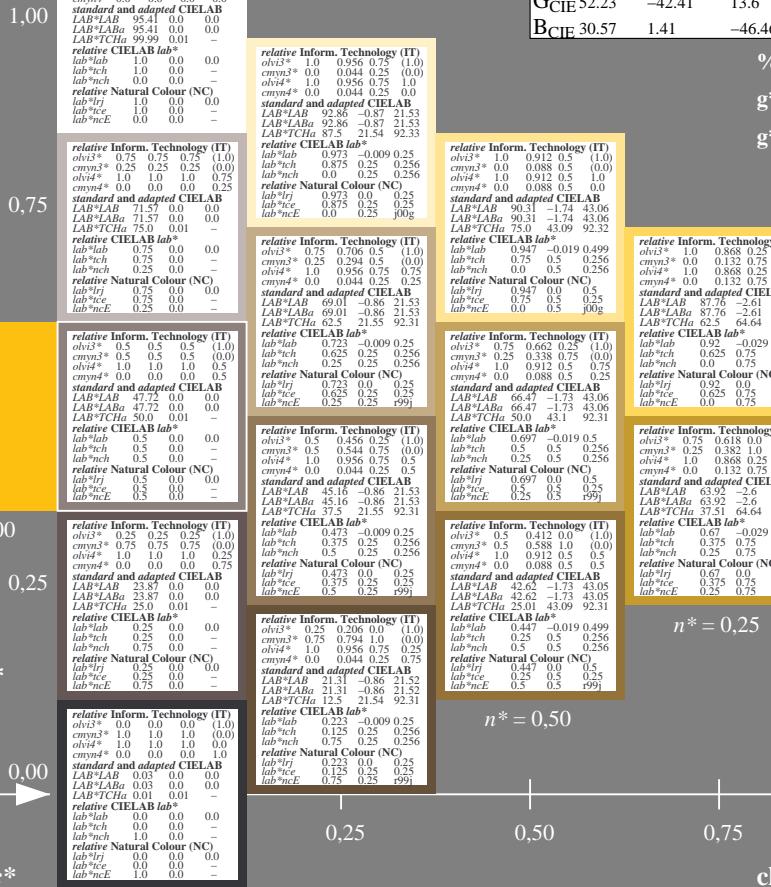
triangle lightness

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

%Regularity

$$\begin{aligned} g^*_{H,rel} &= 20 \\ g^*_{C,rel} &= 37 \end{aligned}$$



n* = 0,00 n* = 0,25 n* = 0,50
blackness n* blackness n* blackness n*
chromaticness c* chromaticness c* chromaticness c*

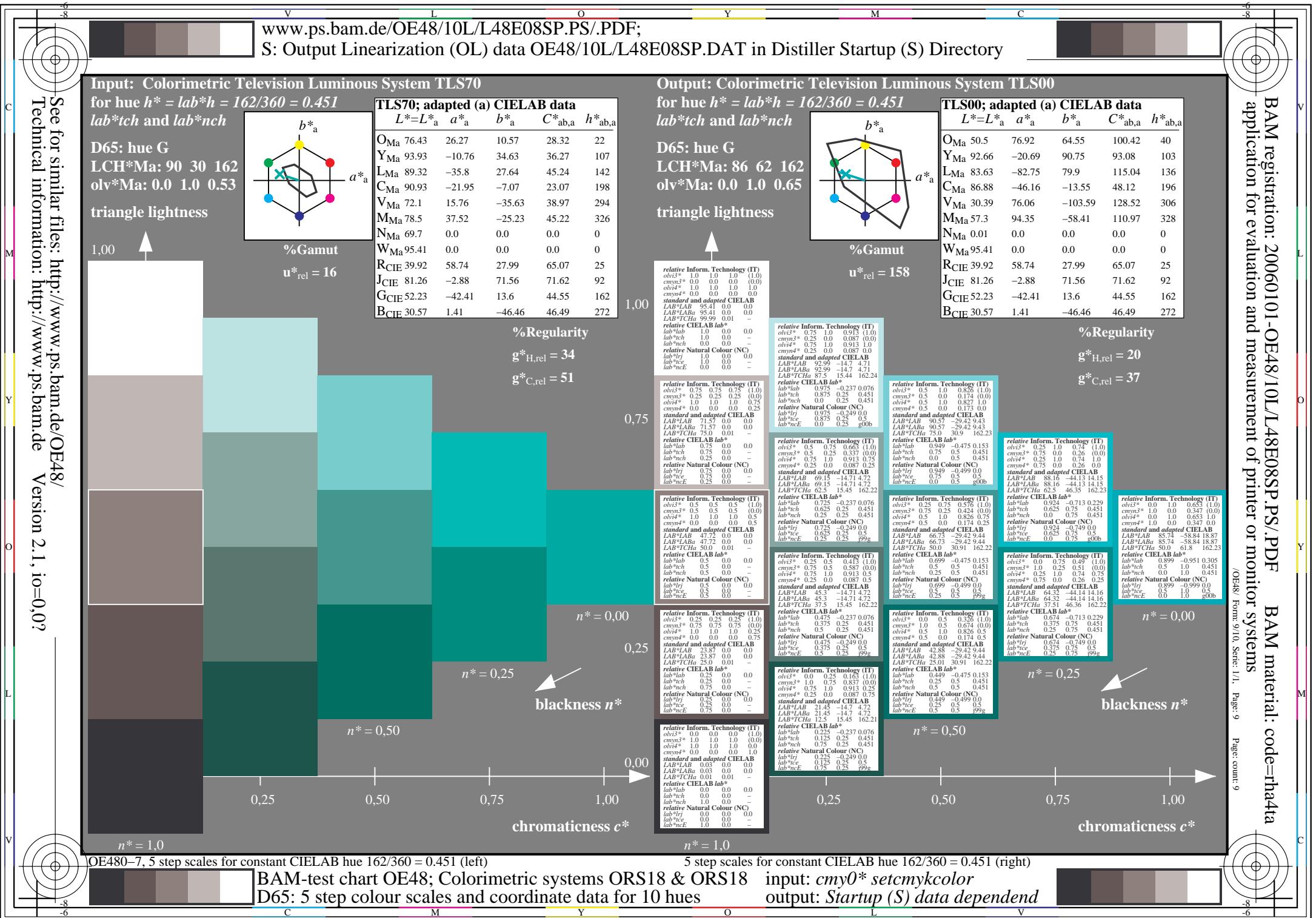
5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

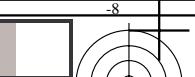
input: cmy0* setcmykcolor
output: Startup (S) data dependend

BAM registration: 20060101-OE48/10L/L48E07SP.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/OE48/ Form: 8/10, Serie: 1/1, Page: 8
Page: count: 8

See for similar files: <http://www.ps.bam.de/OE48/>

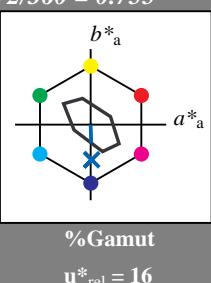
Technical information: <http://www.ps.bam.de> Version 2.1, io=0,0?



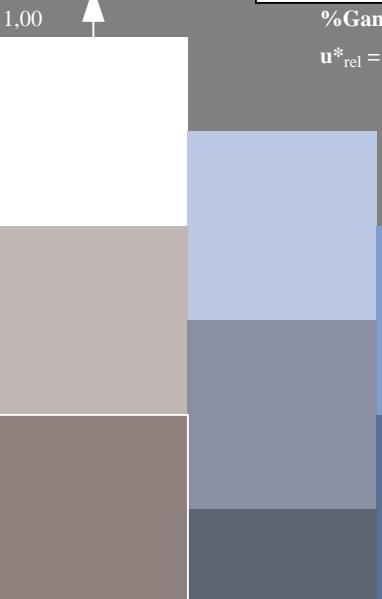


Input: Colorimetric Television Luminous System TLS70
for hue $h^* = lab^*h = 272/360 = 0.755$
 lab^*tch and lab^*nch

D65: hue B
LCH*Ma: 80 24 272
olv*Ma: 0.0 0.4 1.0
triangle lightness

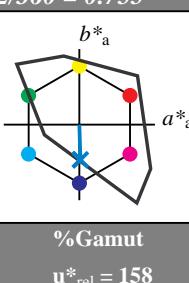


	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	0.0	0.0	0.0	0
W _{Ma}	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

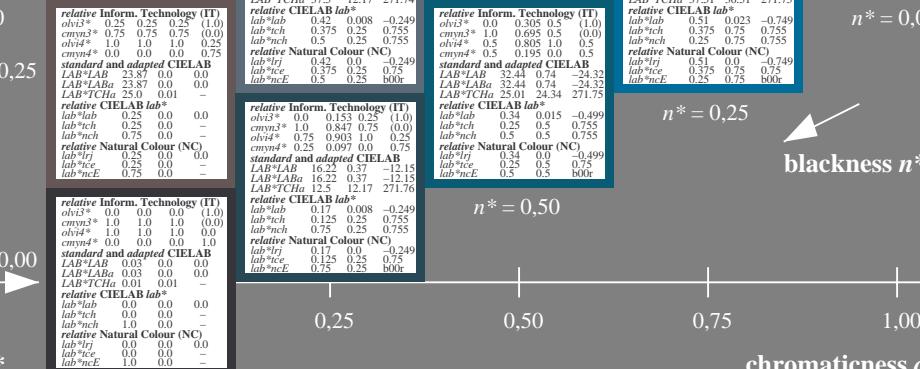
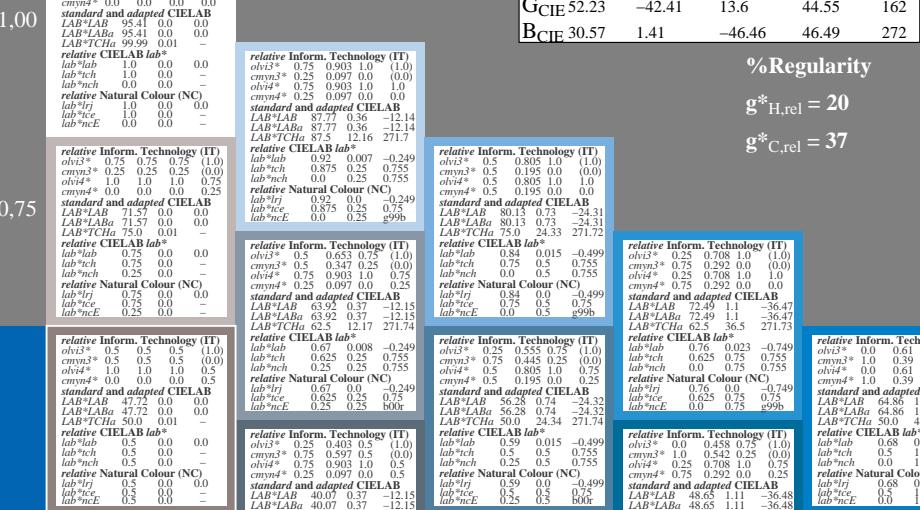


Output: Colorimetric Television Luminous System TLS00
for hue $h^* = lab^*h = 272/360 = 0.755$
 lab^*tch and lab^*nch

D65: hue B
LCH*Ma: 65 49 272
olv*Ma: 0.0 0.61 1.0
triangle lightness



	$L^*=L^*_a$	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



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

input: $cmy0*$ setcmykcolor
output: Startup (S) data dependend

BAM registration: 20060101-OE48/10L/L48E09SP.PDF
application for evaluation and measurement of printer or monitor systems

OE48/ Form: 10/10 Serie: 1/1, Page: 10 Page: count: 10

OE480-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

BAM-test chart OE48; Colorimetric systems ORS18 & ORS18
D65: 5 step colour scales and coordinate data for 10 hues

See for similar files: <http://www.ps.bam.de/OE48/>

Technical information: <http://www.ps.bam.de> Version 2.1, io=0,0?