

BAM registration: 20060101-UE04/10L/L04E00SP.PS./PDF
application for evaluation and measurement of printer or monitor
(11/04/04)

THE JOURNAL OF CLIMATE

See for similar files: <http://www.ps.bam.de/UE04/>

)4/
Version 2.1, io=0,0?

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

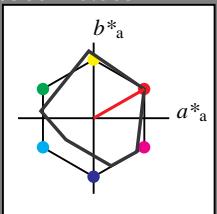
*lab*tch* and *lab*nch*

D65: hue R

LCH*Ma: 50 77 30

olv*Ma: 10 00 00

triangle lightness t^*



%Gamut

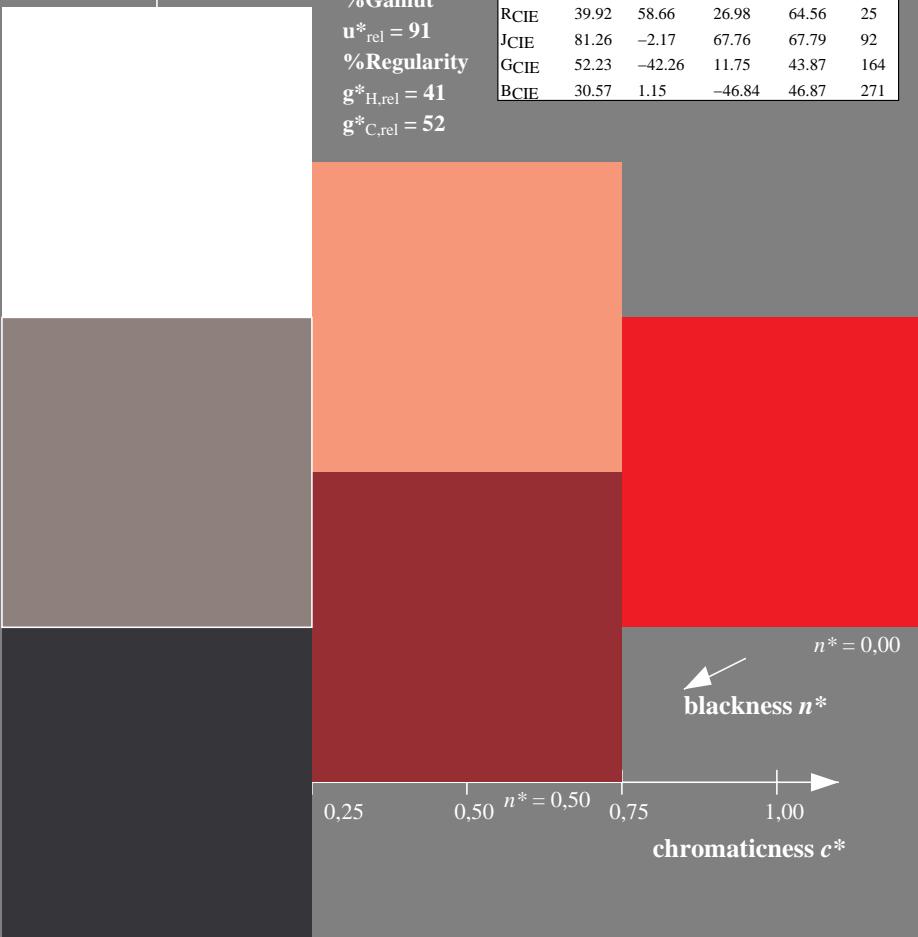
$$u^*_{\text{rel}} = 91$$

% Regularity

$$g^*_{\text{H rel}} = 41$$

$$g^*_{C,\text{rel}} = 52$$

| MRS18; adapted (a) CIELAB data | | | | | | |
|--------------------------------|-------|--------|-------|--------|-------|-----|
| | L^* | L^* | a^* | b^* | C^* | |
| RMa | 49.63 | 66.96 | | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | | 9.44 | 70.37 | 172 |
| G50B Ma | 45.03 | -36.57 | | -28.47 | 46.36 | 218 |
| BMa | 36.65 | 23.19 | | -63.05 | 67.18 | 290 |
| B50R Ma | 34.94 | 57.17 | | -44.26 | 72.31 | 322 |
| NMa | 18.01 | 0.0 | | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | | -46.84 | 46.87 | 271 |

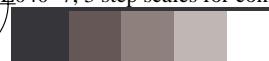


NE040-7. 3 step scales for constant CIELAB hue 30/360 = 0.083 (left)

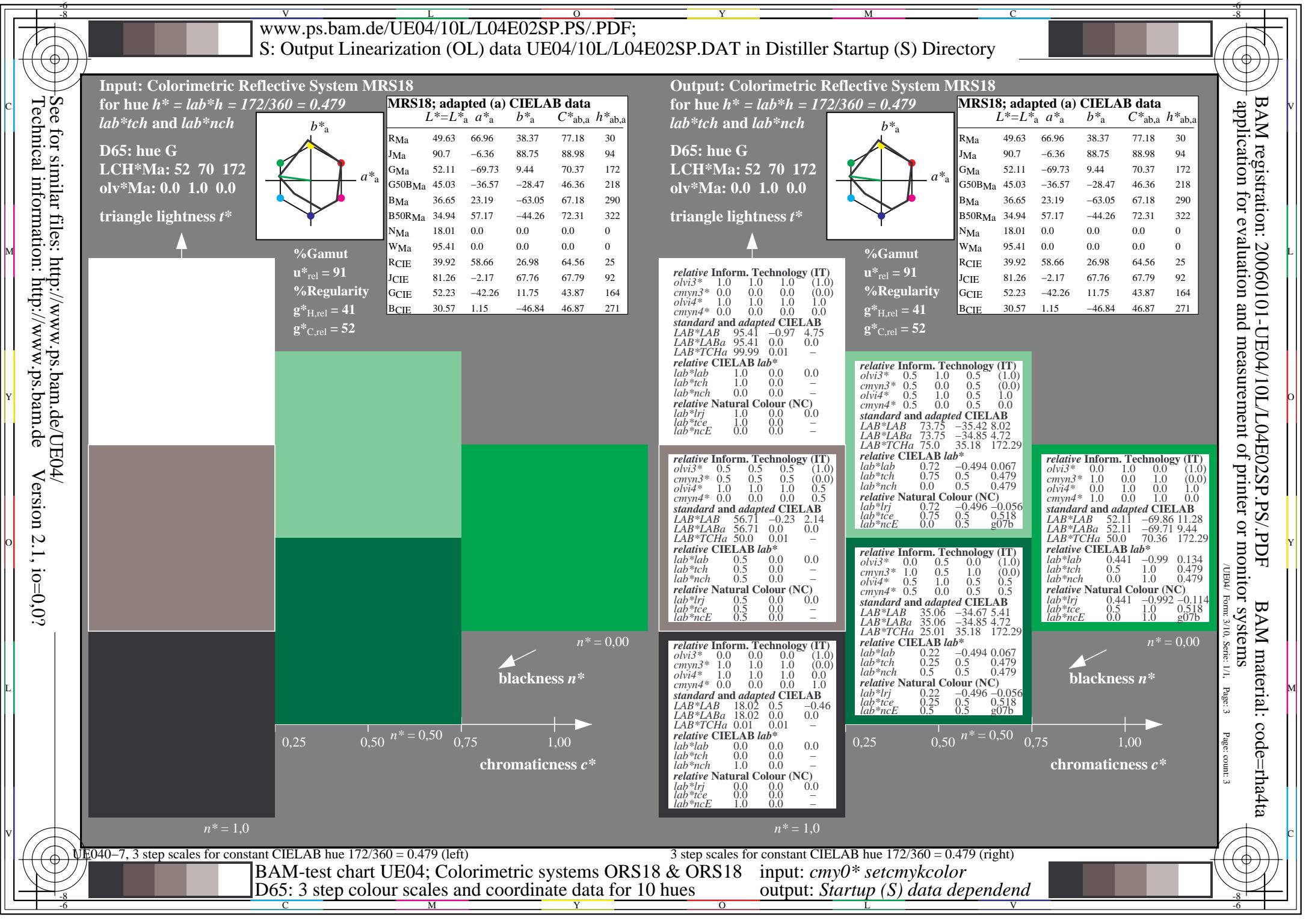
BAM-test chart UE04; Colorimetric systems ORS18 & ORS-D65; 3 step colour scales and coordinate data for 10 hues

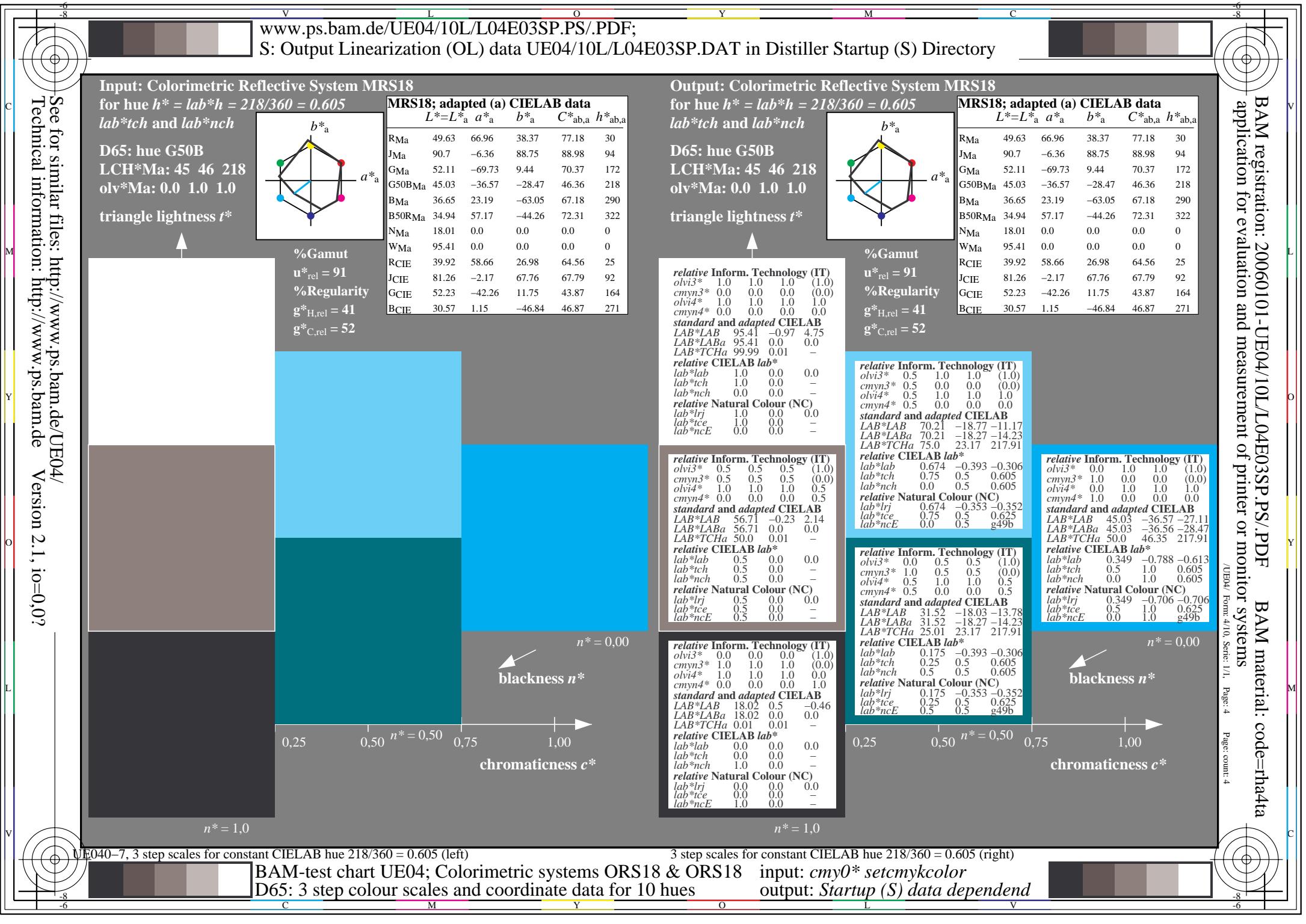
3 step scales for constant CIELAB hue 30/360 ≈ 0.083 (right)

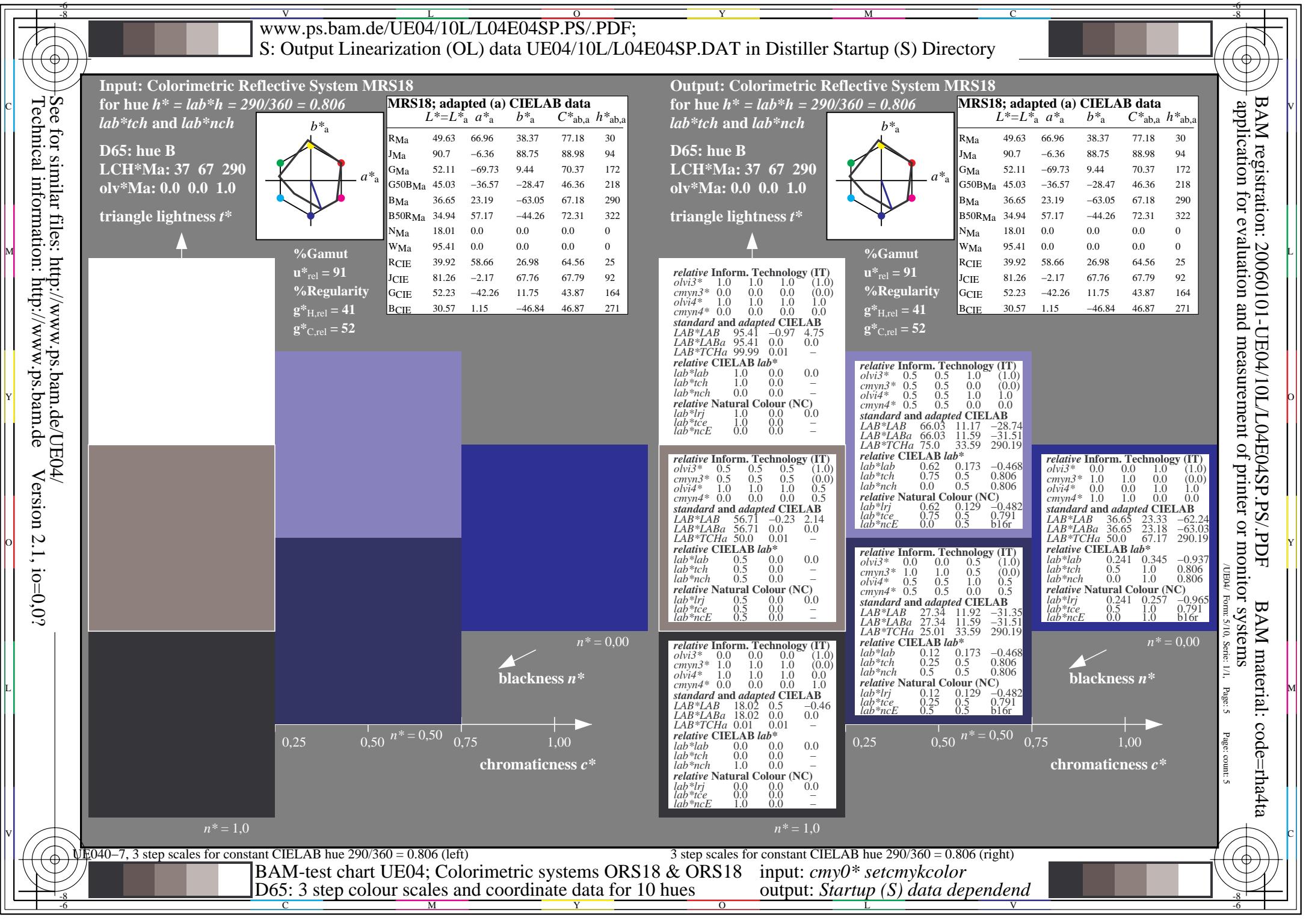
& ORS18 input: *cmy0* setcmykcolor*
 output: *Startup (S) data dependend*

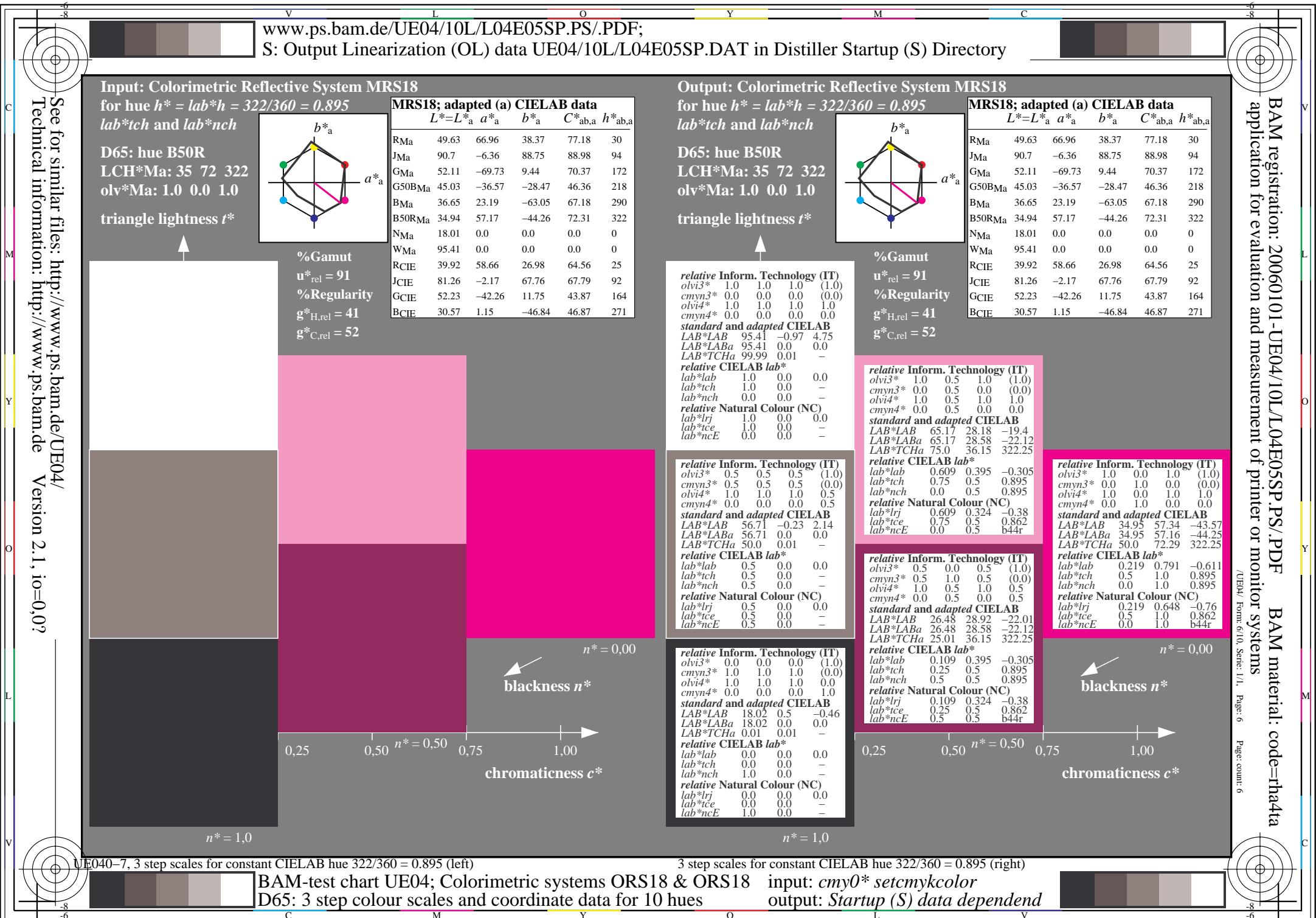


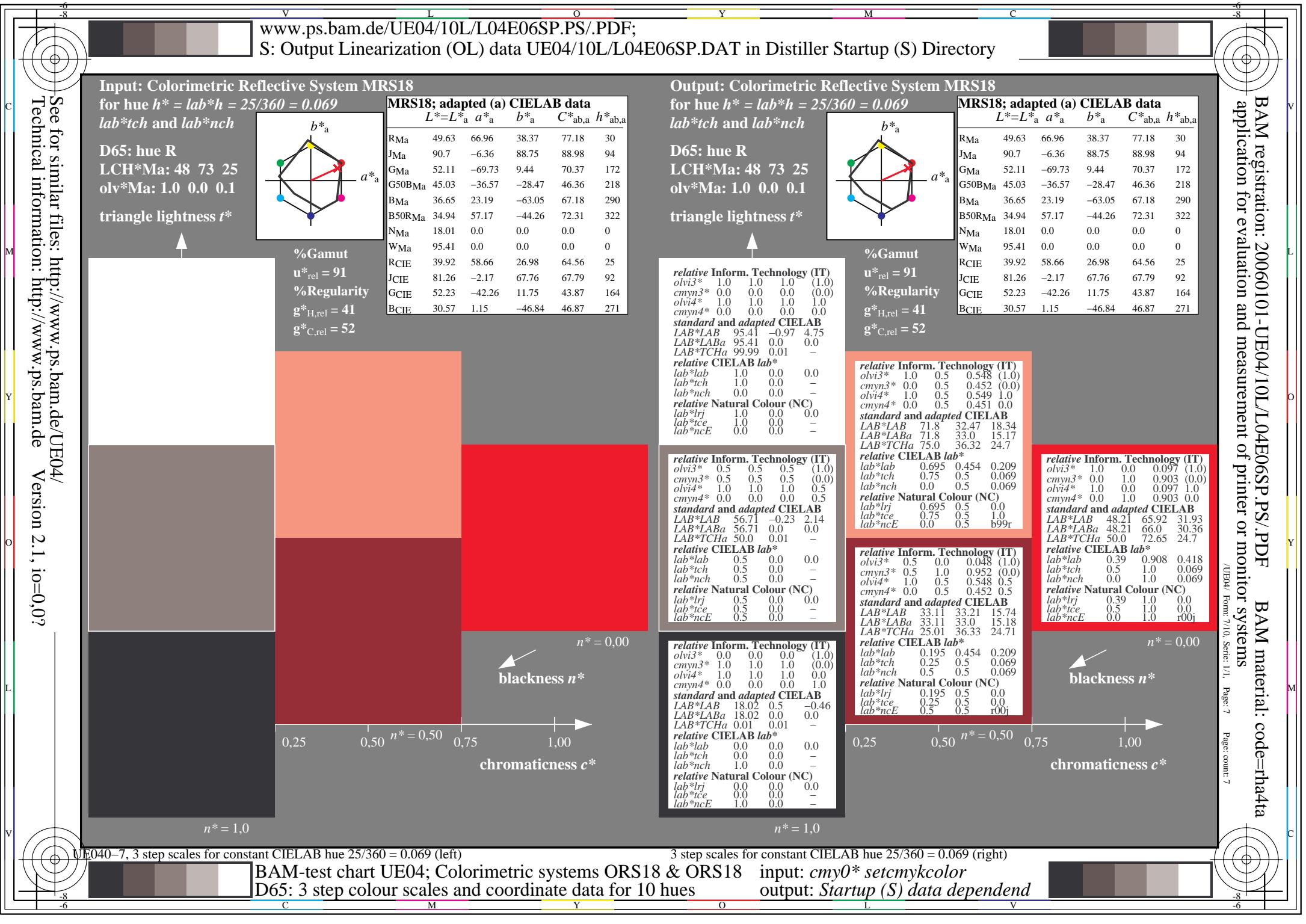
onitor systems

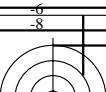










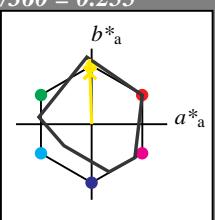
**Input: Colorimetric Reflective System MRS18**

for hue $h^* = lab^*h = 92/360 = 0.255$
 lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

olv*Ma: 1.0 0.95 0.0

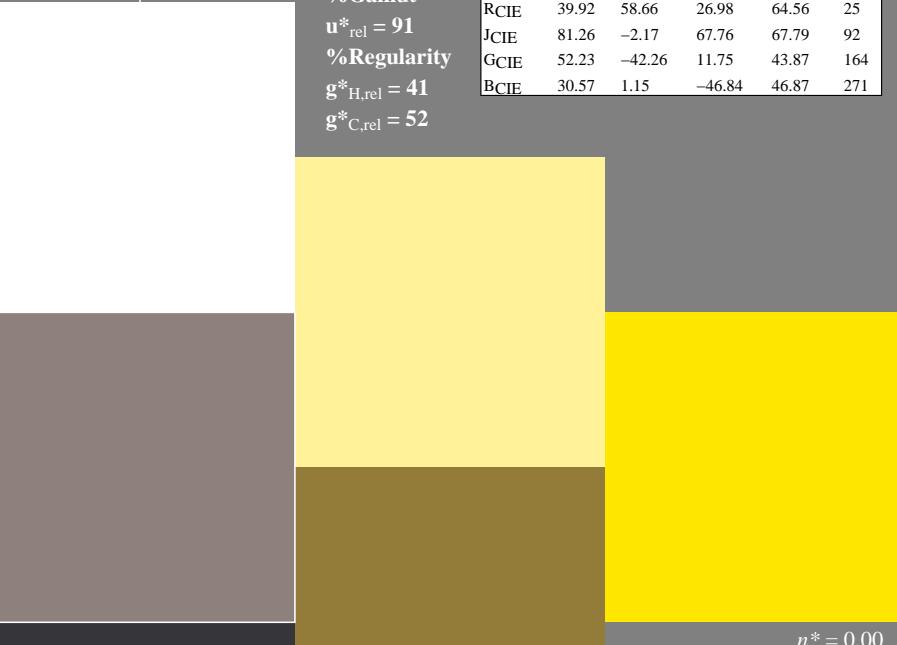
triangle lightness t^* **MRS18; adapted (a) CIELAB data**

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

%Gamut

 $u^*_{rel} = 91$

%Regularity

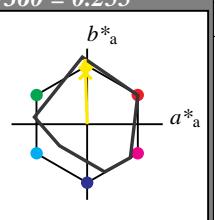
 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$ **Output: Colorimetric Reflective System MRS18**

for hue $h^* = lab^*h = 92/360 = 0.255$
 lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

olv*Ma: 1.0 0.95 0.0

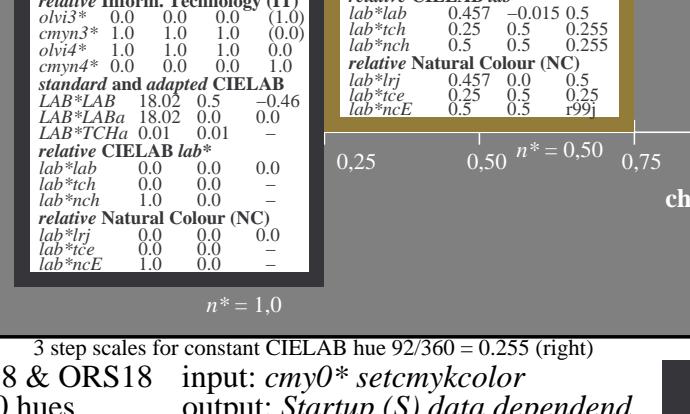
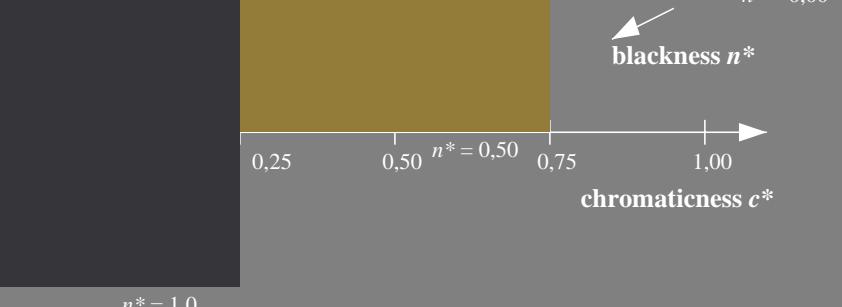
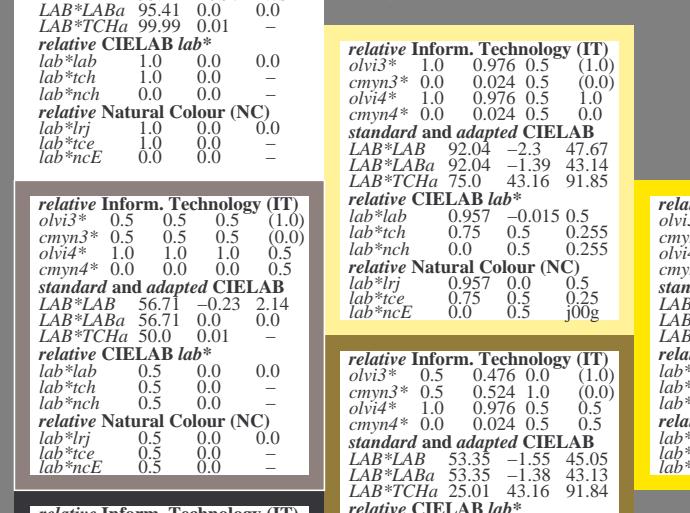
triangle lightness t^* **MRS18; adapted (a) CIELAB data**

| | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa | 49.63 | 66.96 | 38.37 | 77.18 | 30 |
| JMa | 90.7 | -6.36 | 88.75 | 88.98 | 94 |
| GMa | 52.11 | -69.73 | 9.44 | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa | 36.65 | 23.19 | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17 | -44.26 | 72.31 | 322 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.66 | 26.98 | 64.56 | 25 |
| JCIE | 81.26 | -2.17 | 67.76 | 67.79 | 92 |
| GCIE | 52.23 | -42.26 | 11.75 | 43.87 | 164 |
| BCIE | 30.57 | 1.15 | -46.84 | 46.87 | 271 |

%Gamut

 $u^*_{rel} = 91$

%Regularity

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$ 

3 step scales for constant CIELAB hue 92/360 = 0.255 (right)

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

UE040-7, 3 step scales for constant CIELAB hue 92/360 = 0.255 (left)

BAM-test chart UE04; Colorimetric systems ORS18 & ORS18

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

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

