

www.ps.bam.de/RE10/10L/L10E03SP.PS/.PDF;
 S: Output Linearization (OL) data RE10/10L/L10E03SP.DAT in Distiller Startup (S) Directory

BAM registration: 20060101-RE10/10L/L10E03SP.PS/.PDF

BAM material: code=rha4ta

BAM application for evaluation and measurement of printer or monitor systems

RE100 Form A10, Serie: 1/1, Page: 4

Page: count: 4

Input: Colorimetric Offset Reflective System ORS18
for hue $h^* = lab^*h = 227/360 = 0.631$
 lab^*tch and lab^*nch

A: hue C
LCH*Ma: 51 79 227
olv*Ma: 0.0 1.0 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)
olv*i*4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 95.6 0.43 4.65
LAB*LABa 95.6 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)
olv*i*4* 0.5 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
LAB*LAB 56.86 0.8 2.08
LAB*LABa 56.86 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)
olv*i*3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv*i*4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
LAB*LAB 18.12 1.18 -0.49
LAB*LABa 18.12 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

Output: Colorimetric Television Luminous System TLS00
for hue $h^* = lab^*h = 195/360 = 0.543$
 lab^*tch and lab^*nch

A: hue C
LCH*Ma: 78 86 195
olv*Ma: 0.0 1.0 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)
olv*i*4* 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)
olv*i*3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv*i*4* 0.5 1.0 1.0 1.0
cmyn4* 0.5 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 86.88 -41.33 -11.36
LAB*LABa 86.88 -41.33 -11.36
LAB*TChA 75.0 42.88 195.38

relative CIELAB lab*
lab*lab 0.911 -0.481 -0.132
lab*tch 0.75 0.5 0.543
lab*nch 0.0 0.5 0.543

relative Natural Colour (NC)
lab*lrj 0.911 -0.452 -0.211
lab*tce 0.75 0.5 0.57
lab*nCE 0.0 0.5 g27b

relative Inform. Technology (IT)
olv*i*3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv*i*4* 0.5 1.0 1.0 0.5
cmyn4* 0.5 0.0 0.0 0.5

standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 51.25 -53.67 -57.68
LAB*TChA 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.428 -0.68 -0.731
lab*tch 0.5 1.0 0.631
lab*nch 0.0 1.0 0.631

relative Natural Colour (NC)
lab*lrj 0.428 -0.489 -0.871
lab*tce 0.5 1.0 0.668
lab*nCE 0.0 1.0 g67b

n* = 0,00

blackness n^*

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

0,25 0,50 0,75 1,00

chromaticness c^*

3 step scales for constant CIELAB hue 227/360 = 0.631 (left)

BAM-test chart RE10; Colorimetric systems ORS18 & ORS18
A: 2 coordinate data of 3 step colour scales for 10 hues

3 step scales for constant CIELAB hue 195/360 = 0.543 (right)

input: olv* setrgbcolor
output: Startup (S) data dependend





