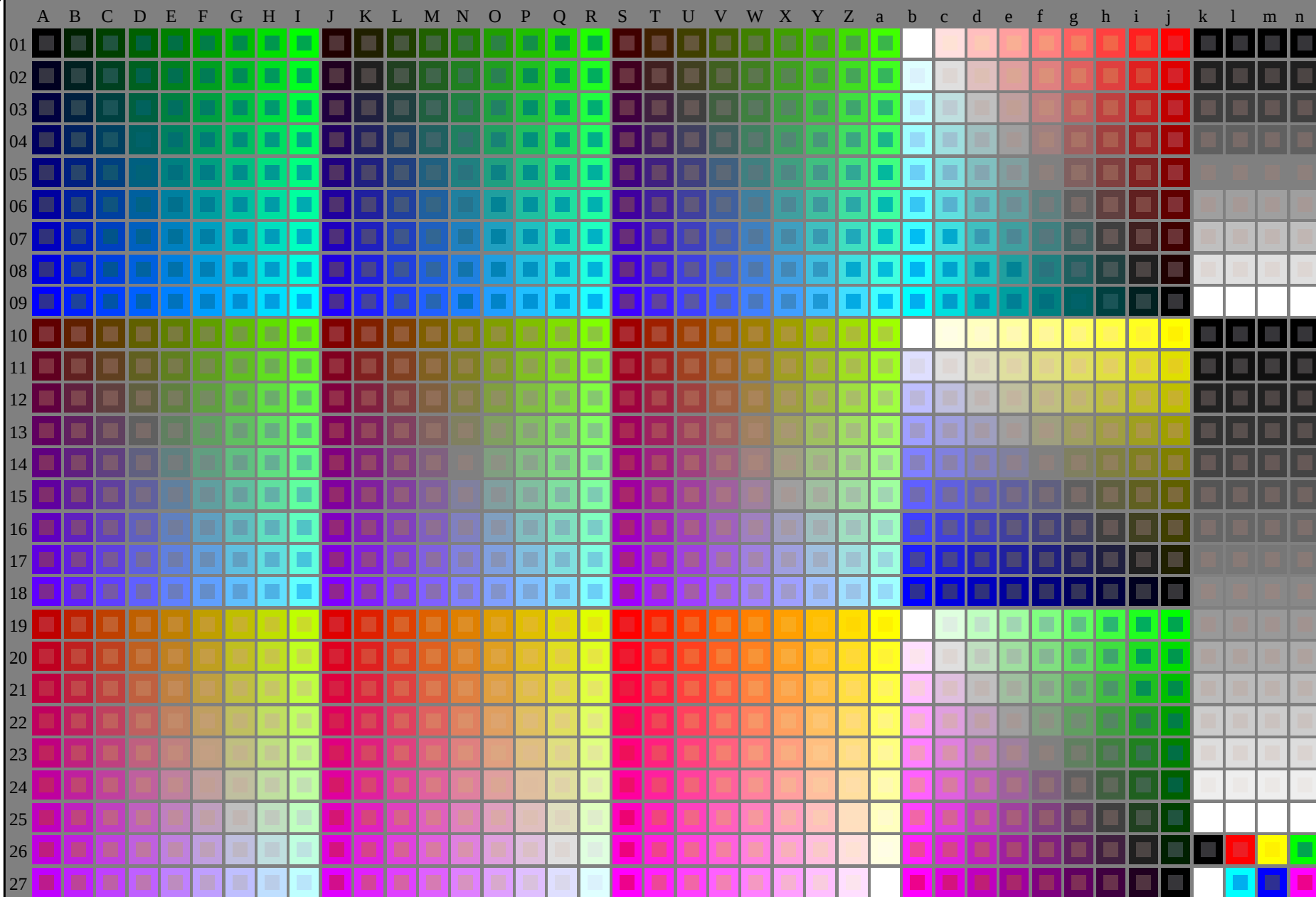


see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE17/SE17L0NP.PDF /.PS  
application for measurement of offset print output

TUB material: code=rha4ta



1-003031-L0

SE170-7N

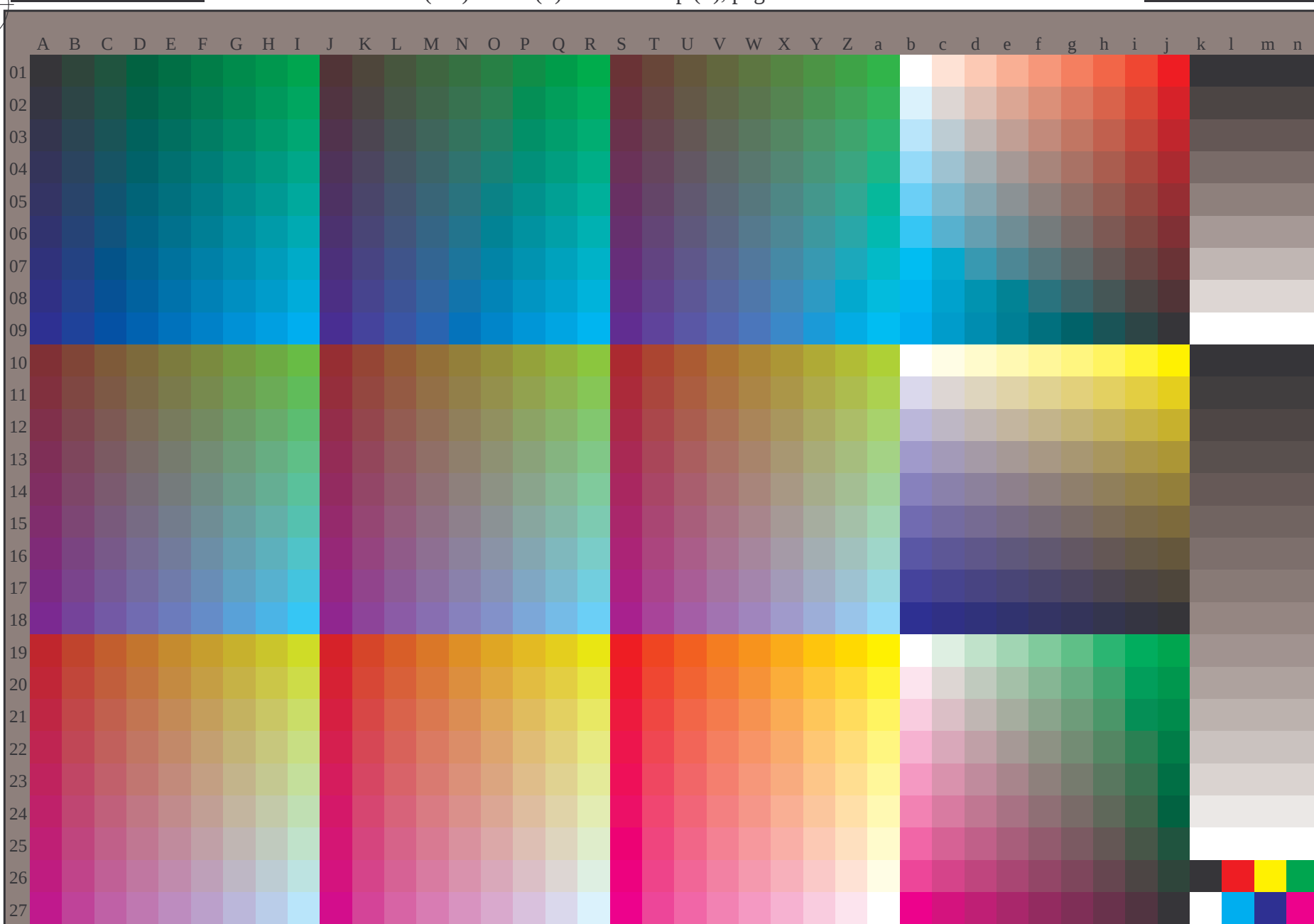
Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): **rgb + cmy0** (A-j + k26\_n27), 000n (k), w (l), nnn0 (m), www (n), 3D = 0

TUB-test chart SE17; 1080 colours, offset standard paper  
Test chart according to DIN 33872

input: *rgb/cmyk* -> *rgb/cmyk*  
output: no change

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE17/SE17L0NP.PDF /.PS TUB material: code=rha4ta  
application for measurement of offset print output, separationcmy0 (CMY0)



1-003131-L0

SE170-70

Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n):  $rgb(A_n)$ ,  $3D=0$ 

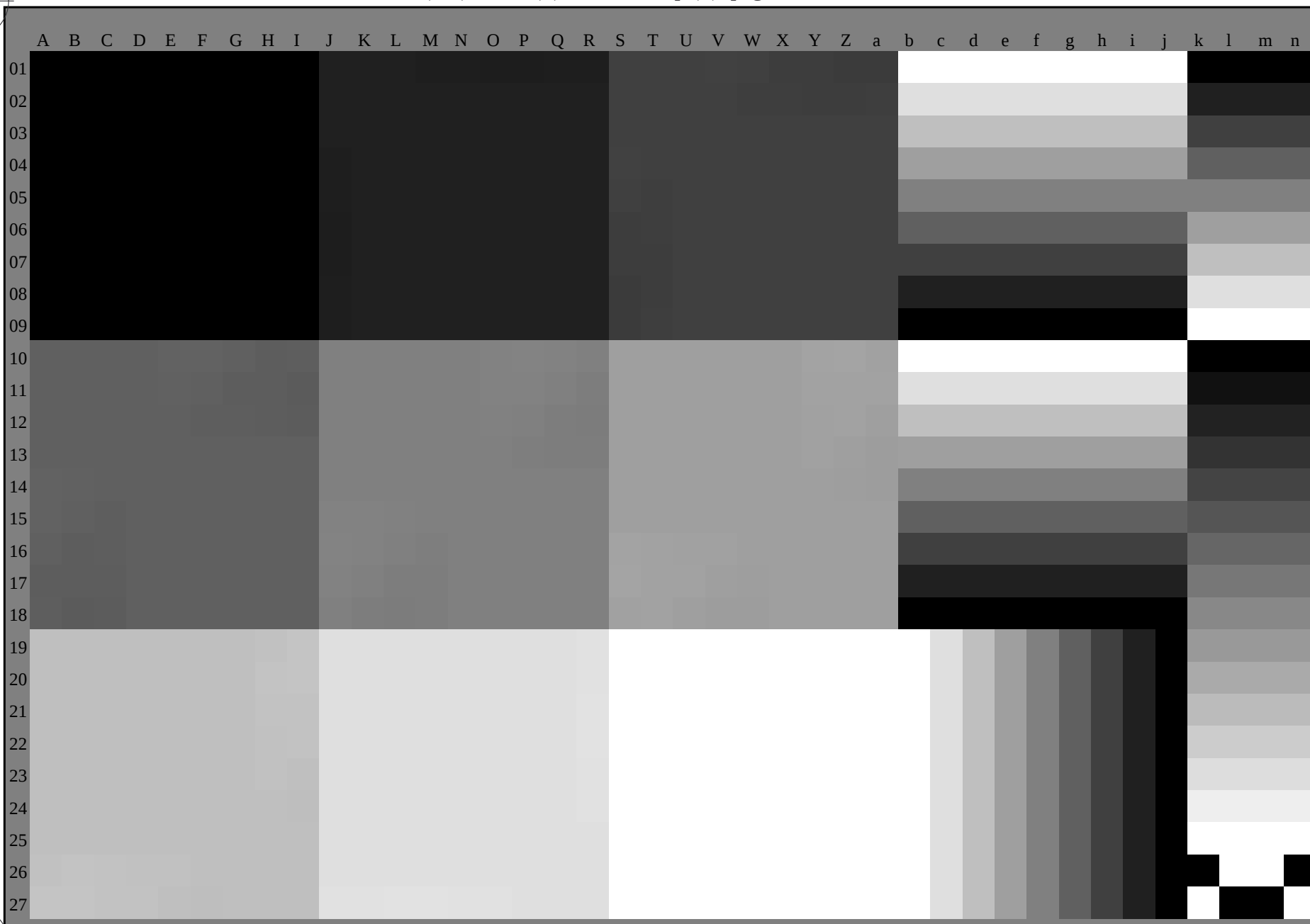
TUB-test chart SE17; 1080 colours, offset standard paper  
Test chart according to DIN 33872,  $3D=0$ ,  $de=0$ ,  $cmy0$

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmy0_d$

1-003131-F0

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE17/SE17L0NP.PDF /.PS TUB material: code=rha4ta  
application for measurement of offset print output, separationcmy0 (CMY0)



1-003231-L0

SE170-70

Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n); 3D = 0

TUB-test chart SE17; 1080 colours, offset standard paper  
Test chart according to DIN 33872, 3D=0, de=0, cmy0

input: *rgb/cmyk* -> *rgb<sub>d</sub>*  
output: transfer to *cmy0<sub>d</sub>*

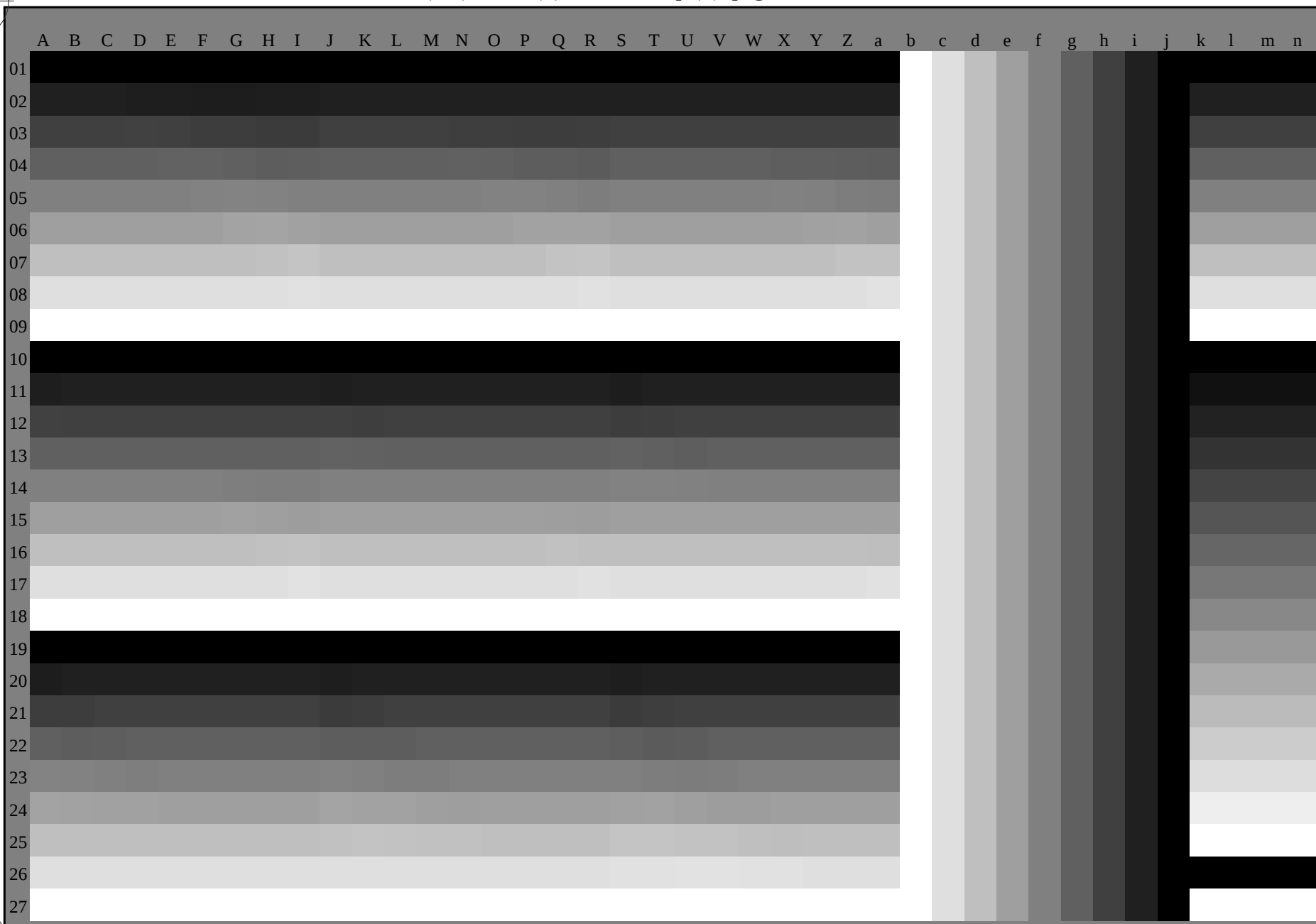
1-003231-E0

C



see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE17/SE17L0NP.PDF /.PS TUB material: code=rha4ta  
application for measurement of offset print output, separation cmy0 (CMY0)



1-003431-L0

SE170-70

TUB-test chart SE17; 1080 colours, offset standard paper  
Test chart according to DIN 33872, 3D=0, de=0, cmy0

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmy0_d$

1-003431-E0



http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF /.PS; transfer output  
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 6/33

1-003531-L0 SE170-70  
TUB-test chart SE17; 1080 colours, offset standard paper  
Test chart according to DIN 33872, 3D=0, de=0, *cmy0*

input: *rgb/cmyk*  $\rightarrow$  *rgb*<sub>d</sub>  
output: transfer to *cmy0*<sub>d</sub>

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGCBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 32.6, 94.4, 157.0, 233.3, 303.9, 359.5$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$J=Y_d$  Yellow

$LCH^*_d = 88.0 \ 90.0 \ 94.3$

$LAB^*_d = 88.0 \ -6.8 \ 89.7$

$rgb^*_d = 1.0 \ 1.0 \ 0.0$

$L=G_d$  leaf-green

$LCH^*_d = 49.6 \ 70.6 \ 157.0$

$LAB^*_d = 49.6 \ -65.0 \ 27.6$

$rgb^*_d = 0.0 \ 1.0 \ 0.0$

$C=C_d$  cyan-blue

$LCH^*_d = 57.0 \ 49.7 \ 233.2$

$LAB^*_d = 57.0 \ -29.7 \ -39.8$

$rgb^*_d = 0.0 \ 1.0 \ 1.0$

$O=R_d$  orange-red

$LCH^*_d = 46.4 \ 83.4 \ 32.5$

$LAB^*_d = 46.4 \ 70.3 \ 44.9$

$rgb^*_d = 1.0 \ 0.0 \ 0.0$

$M=M_d$  magenta-red

$LCH^*_d = 47.2 \ 78.3 \ 359.5$

$LAB^*_d = 47.2 \ 78.3 \ -0.6$

$rgb^*_d = 1.0 \ 0.0 \ 1.0$

$V=B_d$  violet-blue

$LCH^*_d = 25.8 \ 46.7 \ 303.9$

$LAB^*_d = 25.8 \ 26.0 \ -38.7$

$rgb^*_d = 0.0 \ 0.0 \ 1.0$

$Y_e$  yellow

$LCH^*_e = 85.8 \ 87.5 \ 92.3$

$LAB^*_e = 85.8 \ -3.5 \ 87.4$

$rgb^*_{de} = 1.0 \ 0.93 \ 0.0$

$G_e$  green

$LCH^*_e = 50.3 \ 65.8 \ 162.2$

$LAB^*_e = 50.3 \ -62.6 \ 20.1$

$rgb^*_{de} = 0.0 \ 1.0 \ 0.112$

$C_e$  blue-green

$LCH^*_e = 55.4 \ 47.3 \ 216.9$

$LAB^*_e = 55.4 \ -37.8 \ -28.4$

$rgb^*_{de} = 0.0 \ 1.0 \ 0.767$

$B_e$  blue

$LCH^*_e = 38.7 \ 38.9 \ 271.7$

$LAB^*_e = 38.7 \ 1.1 \ -38.9$

$rgb^*_{de} = 0.0 \ 0.38 \ 1.0$

$R_e$  red

$LCH^*_e = 46.6 \ 79.2 \ 25.4$

$LAB^*_e = 46.6 \ 71.5 \ 34.1$

$rgb^*_{de} = 1.0 \ 0.0 \ 0.219$

$M_e$  blue-red

$LCH^*_e = 31.5 \ 53.5 \ 328.6$

$LAB^*_e = 31.5 \ 45.7 \ -27.9$

$rgb^*_{de} = 0.319 \ 0.0 \ 1.0$

$Y_s$  yellow  
standard CIELAB ( $a^*_s, b^*_s$ ) chroma diagram

$LCH^*_s = 83.5 \ 84.9 \ 90.0$

$LAB^*_s = 83.5 \ 0.0 \ 84.9$

$rgb^*_{ds} = 1.0 \ 0.86 \ 0.0$

$G_s$  green

$LCH^*_s = 52.7 \ 66.4 \ 150.0$

$LAB^*_s = 52.7 \ -57.5 \ 33.2$

$rgb^*_{ds} = 0.083 \ 1.0 \ 0.0$

$R_s$  red

$LCH^*_s = 46.5 \ 81.7 \ 30.0$

$LAB^*_s = 46.5 \ 70.7 \ 40.8$

$rgb^*_{ds} = 1.0 \ 0.0 \ 0.084$

$M_s$  blue-red

$LCH^*_s = 32.0 \ 54.2 \ 330.0$

$LAB^*_s = 32.0 \ 46.9 \ -27.1$

$rgb^*_{ds} = 0.334 \ 0.0 \ 1.0$

$C_s$  blue-green

$LCH^*_s = 54.7 \ 47.4 \ 210.0$

$LAB^*_s = 54.7 \ -41.0 \ -23.7$

$rgb^*_{ds} = 0.0 \ 1.0 \ 0.685$

$B_s$  blue

$LCH^*_s = 39.4 \ 39.0 \ 270.0$

$LAB^*_s = 39.4 \ 0.0 \ -39.0$

$rgb^*_{ds} = 0.0 \ 0.399 \ 1.0$

Notes to the CIELAB chroma diagrams ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )

1. For the  $rgb^*_e$ -input values the CIELAB data  $LCH^*_e$  and  $LAB^*_e$  have been calculated.

2. For the calculation of the standard hue angle  $h_{ab,s}$  use for any device values  $rgb^*_e$  the equation:

$$h_{ab,s} = \text{atan} [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ] \quad (1)$$

3. For the 48 or 360 equally spaced standard hue angles  $h_{ab,s}$  of the colours of maximum chroma use the seven hue angles of the 60 degree colours  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) and the equations for a 48 and 360 step hue circle:

$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$

$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$

4. For the 48 or 360 elementary hue angles  $h_{ab,e}$  of the colours of maximum chroma use the seven hue angles of the elementary colours  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) and the equations for a 48 and 360 step elementary hue circle:

$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$

$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$

5. For any elementary hue angle  $h_{ab,e}$  there is a well defined device hue angle  $h_{ab,d}$  see the following tables, columns 1 to 5 or 1 to 4.

6. The values  $rgb^*_e$  produce the output of the device-independent elementary hues

1-003631-L0

SE170-70

$LAB^*_{La0}, YN=0\%, XYZ_{Znw}=3.5, 4.0, 6.0, 86.2, 91.2, 96.3, LAB^*_{nw}=23.6, 0.0, 0.0, 96.5, 0.0, 0.0$

Output: Offset standard print; separation cmy0\*, D65, page 7/33

TUB-test chart SE17; 1080 colours, offset standard paper  
48 step hue circles;  $rgb-LabCh^*$ -tables, 3D=0, de=0, cmy0

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmy0_d$

1-003631-F0

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGCBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 32.6, 94.4, 157.0, 233.3, 303.9, 359.5$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd64M}$ |       |       | $LAB^*_{ddx64M}(x=LabCh)$ |       |       |      |       | $rgb^*_{ddx361M}$ |       |       | $LAB^*_{ddx361M}(x=LabCh)$ |       |       |      |     | $rgb^*_{dsx361M}$ |       |       | $LAB^*_{dsx361M}(x=LabCh)$ |       |       |      |     | $rgb^*_{dex361M}$ |       |       | $LAB^*_{dex361M}$ |       |       |      |        |
|------------|------------|------------|-----------------|-------|-------|---------------------------|-------|-------|------|-------|-------------------|-------|-------|----------------------------|-------|-------|------|-----|-------------------|-------|-------|----------------------------|-------|-------|------|-----|-------------------|-------|-------|-------------------|-------|-------|------|--------|
| 32.5       | 30.0       | 25.4       | 1.0             | 0.0   | 0.0   | 46.4                      | 70.3  | 44.9  | 83.4 | 32.5  | 1.0               | 0.0   | 0.0   | 46.4                       | 70.3  | 44.9  | 83.4 | 32  | 1.0               | 0.0   | 0.084 | 46.5                       | 70.8  | 40.9  | 81.7 | 30  | 1.0               | 0.0   | 0.219 | 46.6              | 71.6  | 34.1  | 79.3 | 25     |
| 38.1       | 37.5       | 33.8       | 1.0             | 0.125 | 0.0   | 49.9                      | 62.1  | 48.7  | 79.0 | 38.1  | 1.0               | 0.117 | 0.0   | 49.7                       | 62.7  | 48.6  | 79.3 | 37  | 1.0               | 0.099 | 0.0   | 49.2                       | 63.8  | 48.1  | 79.9 | 37  | 1.0               | 0.016 | 0.0   | 46.9              | 69.3  | 45.5  | 82.9 | 33     |
| 46.5       | 45.0       | 42.1       | 1.0             | 0.25  | 0.0   | 54.8                      | 51.4  | 54.3  | 74.8 | 46.5  | 1.0               | 0.25  | 0.0   | 54.9                       | 51.4  | 54.4  | 74.8 | 46  | 1.0               | 0.226 | 0.0   | 53.9                       | 53.5  | 53.5  | 75.6 | 45  | 1.0               | 0.185 | 0.0   | 52.3              | 57.1  | 51.7  | 77.0 | 42     |
| 56.7       | 52.5       | 50.5       | 1.0             | 0.375 | 0.0   | 60.5                      | 39.6  | 60.5  | 72.3 | 56.7  | 1.0               | 0.367 | 0.0   | 60.1                       | 40.4  | 60.2  | 72.5 | 56  | 1.0               | 0.316 | 0.0   | 57.9                       | 45.3  | 57.9  | 73.5 | 52  | 1.0               | 0.292 | 0.0   | 56.7              | 47.6  | 56.7  | 74.0 | 49     |
| 66.8       | 60.0       | 58.8       | 1.0             | 0.5   | 0.0   | 66.4                      | 28.5  | 66.7  | 72.5 | 66.8  | 1.0               | 0.5   | 0.0   | 66.4                       | 28.5  | 66.7  | 72.6 | 66  | 1.0               | 0.415 | 0.0   | 62.4                       | 36.2  | 62.7  | 72.4 | 60  | 1.0               | 0.401 | 0.0   | 61.7              | 37.4  | 62.0  | 72.4 | 58     |
| 77.9       | 67.5       | 67.2       | 1.0             | 0.625 | 0.0   | 73.5                      | 15.9  | 74.3  | 76.0 | 77.9  | 1.0               | 0.617 | 0.0   | 73.1                       | 16.8  | 73.9  | 75.8 | 77  | 1.0               | 0.502 | 0.0   | 66.5                       | 28.4  | 66.8  | 72.6 | 67  | 1.0               | 0.498 | 0.0   | 66.3              | 28.7  | 66.6  | 72.6 | 66     |
| 85.1       | 75.0       | 75.6       | 1.0             | 0.75  | 0.0   | 79.1                      | 6.8   | 80.2  | 80.5 | 85.1  | 1.0               | 0.75  | 0.0   | 79.1                       | 6.8   | 80.3  | 80.6 | 85  | 1.0               | 0.592 | 0.0   | 71.7                       | 19.4  | 72.6  | 75.1 | 75  | 1.0               | 0.599 | 0.0   | 72.0              | 18.7  | 73.0  | 75.3 | 75     |
| 90.6       | 82.5       | 83.9       | 1.0             | 0.875 | 0.0   | 84.1                      | -0.9  | 85.5  | 85.5 | 90.6  | 1.0               | 0.867 | 0.0   | 83.8                       | -0.3  | 85.2  | 85.2 | 90  | 1.0               | 0.695 | 0.0   | 76.7                       | 10.9  | 77.8  | 78.6 | 82  | 1.0               | 0.72  | 0.0   | 77.8              | 9.1   | 78.9  | 79.5 | 83     |
| 94.3       | 90.0       | 92.3       | 1.0             | 1.0   | 0.0   | 88.0                      | -6.8  | 89.7  | 90.0 | 94.3  | 1.0               | 1.0   | 0.0   | 88.1                       | -6.8  | 89.8  | 90.0 | 94  | 1.0               | 0.86  | 0.0   | 83.5                       | 0.0   | 84.9  | 84.9 | 90  | 1.0               | 0.93  | 0.0   | 85.9              | -3.4  | 87.5  | 87.5 | 92     |
| 97.1       | 97.5       | 101.0      | 0.875           | 1.0   | 0.0   | 84.5                      | -10.3 | 82.8  | 83.5 | 97.1  | 0.883             | 1.0   | 0.0   | 84.8                       | -10.0 | 83.3  | 84.0 | 96  | 0.88              | 1.0   | 0.0   | 84.7                       | -10.1 | 83.2  | 83.8 | 97  | 0.745             | 1.0   | 0.0   | 80.4              | -14.2 | 77.5  | 78.8 | 100    |
| 100.2      | 105.0      | 109.7      | 0.75            | 1.0   | 0.0   | 80.5                      | -14.0 | 77.6  | 78.9 | 100.2 | 0.75              | 1.0   | 0.0   | 80.6                       | -13.9 | 77.7  | 78.9 | 100 | 0.647             | 1.0   | 0.0   | 76.8                       | -19.6 | 73.5  | 76.1 | 105 | 0.561             | 1.0   | 0.0   | 73.3              | -24.1 | 67.3  | 71.6 | 109    |
| 106.0      | 112.5      | 118.5      | 0.625           | 1.0   | 0.0   | 75.9                      | -20.8 | 72.5  | 75.5 | 106.0 | 0.633             | 1.0   | 0.0   | 76.3                       | -20.3 | 72.9  | 75.7 | 105 | 0.523             | 1.0   | 0.0   | 71.7                       | -25.8 | 64.2  | 69.3 | 112 | 0.43              | 1.0   | 0.0   | 67.8              | -30.8 | 58.2  | 65.8 | 117    |
| 113.3      | 120.0      | 127.2      | 0.5             | 1.0   | 0.0   | 70.6                      | -26.9 | 62.2  | 67.8 | 113.3 | 0.5               | 1.0   | 0.0   | 70.7                       | -26.8 | 62.3  | 67.8 | 113 | 0.399             | 1.0   | 0.0   | 66.4                       | -32.4 | 56.2  | 64.9 | 120 | 0.325             | 1.0   | 0.0   | 62.7              | -38.9 | 51.2  | 64.3 | 127    |
| 121.5      | 127.5      | 136.0      | 0.375           | 1.0   | 0.0   | 65.4                      | -33.6 | 54.7  | 64.2 | 121.5 | 0.383             | 1.0   | 0.0   | 65.8                       | -33.1 | 55.2  | 64.5 | 121 | 0.328             | 1.0   | 0.0   | 62.8                       | -38.6 | 51.4  | 64.3 | 127 | 0.254             | 1.0   | 0.0   | 58.7              | -45.9 | 45.3  | 64.5 | 135    |
| 135.8      | 135.0      | 144.7      | 0.25            | 1.0   | 0.0   | 58.4                      | -46.3 | 44.9  | 64.5 | 135.8 | 0.25              | 1.0   | 0.0   | 58.5                       | -46.2 | 44.9  | 64.5 | 135 | 0.258             | 1.0   | 0.0   | 58.9                       | -45.5 | 45.6  | 64.5 | 135 | 0.146             | 1.0   | 0.0   | 54.9              | -52.5 | 37.2  | 64.4 | 144    |
| 146.5      | 142.5      | 153.4      | 0.125           | 1.0   | 0.0   | 54.2                      | -53.6 | 35.4  | 64.3 | 146.5 | 0.133             | 1.0   | 0.0   | 54.5                       | -53.2 | 36.2  | 64.4 | 145 | 0.178             | 1.0   | 0.0   | 56.0                       | -50.7 | 39.7  | 64.4 | 142 | 0.049             | 1.0   | 0.0   | 51.5              | -60.6 | 31.1  | 68.2 | 152    |
| 157.0      | 150.0      | 162.2      | 0.0             | 1.0   | 0.0   | 49.6                      | -65.0 | 27.6  | 70.6 | 157.0 | 0.0               | 1.0   | 0.0   | 49.7                       | -65.0 | 27.6  | 70.7 | 157 | 0.084             | 1.0   | 0.0   | 52.7                       | -57.4 | 33.2  | 66.5 | 150 | 0.0               | 1.0   | 0.112 | 50.4              | -62.6 | 20.1  | 65.8 | 162    |
| 162.8      | 157.5      | 169.0      | 0.0             | 1.0   | 0.125 | 50.4                      | -62.3 | 19.2  | 65.2 | 162.8 | 0.0               | 1.0   | 0.117 | 50.4                       | -62.5 | 19.8  | 65.7 | 162 | 0.0               | 1.0   | 0.0   | 49.7                       | -65.0 | 27.6  | 70.7 | 157 | 0.0               | 1.0   | 0.218 | 51.0              | -59.5 | 12.0  | 60.8 | 168    |
| 170.5      | 165.0      | 175.9      | 0.0             | 1.0   | 0.25  | 51.1                      | -58.4 | 9.7   | 59.2 | 170.5 | 0.0               | 1.0   | 0.25  | 51.1                       | -58.4 | 9.7   | 59.3 | 170 | 0.0               | 1.0   | 0.16  | 50.7                       | -61.3 | 16.5  | 63.6 | 165 | 0.0               | 1.0   | 0.315 | 51.6              | -56.1 | 4.0   | 56.4 | 175    |
| 180.7      | 172.5      | 182.7      | 0.0             | 1.0   | 0.375 | 52.0                      | -53.7 | -0.7  | 53.7 | 180.7 | 0.0               | 1.0   | 0.367 | 52.0                       | -54.0 | 0.0   | 54.1 | 180 | 0.0               | 1.0   | 0.268 | 51.3                       | -57.8 | 8.1   | 58.5 | 172 | 0.0               | 1.0   | 0.391 | 52.2              | -53.0 | -2.0  | 53.2 | 182    |
| 192.6      | 180.0      | 189.6      | 0.0             | 1.0   | 0.5   | 53.0                      | -48.2 | -10.8 | 49.4 | 192.6 | 0.0               | 1.0   | 0.5   | 53.1                       | -48.2 | -10.7 | 49.5 | 192 | 0.0               | 1.0   | 0.365 | 52.0                       | -54.1 | 0.0   | 54.2 | 180 | 0.0               | 1.0   | 0.468 | 52.8              | -49.7 | -8.3  | 50.5 | 189    |
| 204.6      | 187.5      | 196.4      | 0.0             | 1.0   | 0.625 | 54.2                      | -43.2 | -19.8 | 47.5 | 204.6 | 0.0               | 1.0   | 0.617 | 54.1                       | -43.5 | -19.2 | 47.7 | 203 | 0.0               | 1.0   | 0.441 | 52.6                       | -51.0 | -6.2  | 51.5 | 187 | 0.0               | 1.0   | 0.535 | 53.4              | -46.9 | -13.4 | 48.9 | 195    |
| 215.7      | 195.0      | 203.2      | 0.0             | 1.0   | 0.75  | 55.3                      | -38.3 | -27.5 | 47.2 | 215.7 | 0.0               | 1.0   | 0.75  | 55.4                       | -38.2 | -27.5 | 47.2 | 215 | 0.0               | 1.0   | 0.525 | 53.3                       | -47.3 | -12.6 | 49.1 | 195 | 0.0               | 1.0   | 0.611 | 54.1              | -43.8 | -18.8 | 47.8 | 203    |
| 224.8      | 202.5      | 210.1      | 0.0             | 1.0   | 0.875 | 56.1                      | -34.1 | -33.9 | 48.1 | 224.8 | 0.0               | 1.0   | 0.867 | 56.1                       | -34.3 | -33.4 | 48.1 | 224 | 0.0               | 1.0   | 0.598 | 54.0                       | -44.4 | -17.9 | 48.0 | 202 | 0.0               | 1.0   | 0.682 | 54.7              | -41.1 | -23.4 | 47.4 | 209    |
| 233.2      | 210.0      | 216.9      | 0.0             | 1.0   | 1.0   | 57.0                      | -29.7 | -39.8 | 49.7 | 233.2 | 0.0               | 1.0   | 1.0   | 57.0                       | -29.6 | -39.8 | 49.8 | 233 | 0.0               | 1.0   | 0.686 | 54.8                       | -41.0 | -23.6 | 47.4 | 210 | 0.0               | 1.0   | 0.767 | 55.5              | -37.7 | -28.4 | 47.4 | 216    |
| 237.7      | 217.5      | 223.8      | 0.0             | 0.875 | 1.0   | 54.2                      | -25.1 | -39.8 | 47.1 | 237.7 | 0.0               | 0.883 | 1.0   | 54.5                       | -25.3 | -39.8 | 47.3 | 237 | 0.0               | 1.0   | 0.768 | 55.5                       | -37.7 | -28.4 | 47.4 | 217 | 0.0               | 1.0   | 0.855 | 56.0              | -34.8 | -32.8 | 48.0 | 223    |
| 243.5      | 225.0      | 230.6      | 0.0             | 0.75  | 1.0   | 50.9                      | -19.7 | -39.7 | 44.3 | 243.5 | 0.0               | 0.75  | 1.0   | 50.9                       | -19.7 | -39.7 | 44.4 | 243 | 0.0               | 1.0   | 0.877 | 56.2                       | -33.9 | -33.9 | 48.2 | 225 | 0.0               | 1.0   | 0.961 | 56.8              | -31.1 | -38.0 | 49.3 | 230    |
| 249.9      | 232.5      | 237.5      | 0.0             | 0.625 | 1.0   | 47.6                      | -14.3 | -39.4 | 42.0 | 249.9 | 0.0               | 0.633 | 1.0   | 47.9                       | -14.6 | -39.4 | 42.2 | 249 | 0.0               | 1.0   | 0.981 | 56.9                       | -30.4 | -38.9 | 49.5 | 232 | 0.0               | 0.895 | 1.0   | 54.7              | -25.8 | -39.8 | 47.6 | 237    |
| 260.8      | 240.0      | 244.3      | 0.0             | 0.5   | 1.0   | 43.1                      | -6.3  | -39.3 | 39.8 | 260.8 | 0.0               | 0.5   | 1.0   | 43.1                       | -6.2  | -39.2 | 39.8 | 260 | 0.0               | 0.827 | 1.0   | 53.0                       | -22.9 | -39.8 | 46.1 | 240 | 0.0               | 0.734 | 1.0   | 50.5              | -19.0 | -39.7 | 44.1 | 244    |
| 272.2      | 247.5      | 251.2      | 0.0             | 0.375 | 1.0   | 38.5                      | 1.5   | -38.8 | 38.9 | 272.2 | 0.0               | 0.383 | 1.0   | 38.8                       | 1.0   | -38.9 | 39.0 | 271 | 0.0               | 0.683 | 1.0   | 49.2                       | -16.7 | -39.6 | 43.1 | 247 | 0.0               | 0.616 | 1.0   | 47.3              | -13.7 | -39.4 | 41.9 | 250    |
| 284.2      | 255.0      | 258.0      | 0.0             | 0.25  | 1.0   | 34.1                      | 9.8   | -38.8 | 40.0 | 284.2 | 0.0               | 0.25  | 1.0   | 34.1                       | 9.9   | -38.7 | 40.1 | 284 | 0.0               | 0.567 | 1.0   | 45.6                       | -10.5 | -39.5 | 41.0 | 255 | 0.0               | 0.532 | 1.0   | 44.3              | -8.3  | -39.4 | 40.4 | 258    |
| 295.4      | 262.5      | 264.8      | 0.0             | 0.125 | 1.0   | 29.5                      | 18.5  | -38.8 | 43.0 | 295.4 | 0.0               | 0.133 | 1.0   | 29.8                       | 17.9  | -38.8 | 42.9 | 294 | 0.0               | 0.487 | 1.0   | 42.7                       | -5.4  | -39.3 | 39.7 | 262 | 0.0               | 0.461 | 1.0   | 41.7              | -3.7  | -39.3 | 39.5 | 264    |
| 303.9      | 270.0      | 271.7      | 0.0             | 0.0   | 1.0   | 25.8                      | 26.0  | -38.7 | 46.7 | 303.9 | 0.0               | 0.0   | 1.0   | 25.9                       | 26.1  | -38.7 | 46.7 | 303 | 0.0               | 0.4   | 1.0   | 39.4                       | 0.0   | -39.0 | 39.1 | 270 | 0.0               | 0.381 | 1.0   | 38.7              | 1.2   | -38.8 | 39.0 | 2717</ |

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGCBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 32.6, 94.4, 157.0, 233.3, 303.9, 359.5$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd64M}$ | $LAB^*_{ddx64M}(x=LabCh)$ | $rgb^*_{dex361M}$ | $LAB^*_{dex361M}$ | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |       |       |     |       |       |       |       |       |       |       |      |     |  |  |  |
|------------|------------|------------|-----------------|---------------------------|-------------------|-------------------|--------------|--------------|--------------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|------|-----|--|--|--|
| 32.5       | 30.0       | 25.4       | 1.0             | 0.0                       | 0.0               | 46.4              | 70.3         | 44.9         | 83.4         | 32.5  | 32.5  | 1.0 | 0.0   | 0.219 | 46.6  | 71.6  | 34.1  | 79.3  | 25    |      |     |  |  |  |
| 38.1       | 37.5       | 33.8       | 1.0             | 0.125                     | 0.0               | 49.9              | 62.1         | 48.7         | 79.0         | 38.1  | 38.1  | 1.0 | 0.016 | 0.0   | 46.9  | 69.3  | 45.5  | 82.9  | 33    |      |     |  |  |  |
| 46.5       | 45.0       | 42.1       | 1.0             | 0.25                      | 0.0               | 54.8              | 51.4         | 54.3         | 74.8         | 46.5  | 46.5  | 1.0 | 0.185 | 0.0   | 52.3  | 57.1  | 51.7  | 77.0  | 42    |      |     |  |  |  |
| 56.7       | 52.5       | 50.5       | 1.0             | 0.375                     | 0.0               | 60.5              | 39.6         | 60.5         | 72.3         | 56.7  | 56.7  | 1.0 | 0.292 | 0.0   | 56.7  | 47.6  | 56.7  | 74.0  | 49    |      |     |  |  |  |
| 66.8       | 60.0       | 58.8       | 1.0             | 0.5                       | 0.0               | 66.4              | 28.5         | 66.7         | 72.5         | 66.8  | 66.8  | 1.0 | 0.401 | 0.0   | 61.7  | 37.4  | 62.0  | 72.4  | 58    |      |     |  |  |  |
| 77.9       | 67.5       | 67.2       | 1.0             | 0.625                     | 0.0               | 73.5              | 15.9         | 74.3         | 76.0         | 77.9  | 77.9  | 1.0 | 0.498 | 0.0   | 66.3  | 28.7  | 66.6  | 72.6  | 66    |      |     |  |  |  |
| 85.1       | 75.0       | 75.6       | 1.0             | 0.75                      | 0.0               | 79.1              | 6.8          | 80.2         | 80.5         | 85.1  | 85.1  | 1.0 | 0.599 | 0.0   | 72.0  | 18.7  | 73.0  | 75.3  | 75    |      |     |  |  |  |
| 90.6       | 82.5       | 83.9       | 1.0             | 0.875                     | 0.0               | 84.1              | -0.9         | 85.5         | 85.5         | 90.6  | 90.6  | 1.0 | 0.72  | 0.0   | 77.8  | 9.1   | 78.9  | 79.5  | 83    |      |     |  |  |  |
| 94.3       | 90.0       | 92.3       | 1.0             | 1.0                       | 0.0               | 88.0              | -6.8         | 89.7         | 90.0         | 94.3  | 94.3  | 1.0 | 0.93  | 0.0   | 85.9  | -3.4  | 87.5  | 87.5  | 92    |      |     |  |  |  |
| 97.1       | 97.5       | 101.0      | 0.875           | 1.0                       | 0.0               | 84.5              | -10.3        | 82.8         | 83.5         | 97.1  | 97.1  | 1.0 | 1.00  | 0.0   | 80.4  | -14.2 | 77.5  | 78.8  | 100   |      |     |  |  |  |
| 100.2      | 105.0      | 109.7      | 0.75            | 1.0                       | 0.0               | 80.5              | -14.0        | 77.6         | 78.9         | 100.2 | 100.2 | 1.0 | 0.561 | 1.0   | 0.0   | 73.3  | -24.1 | 67.3  | 71.6  | 109  |     |  |  |  |
| 106.0      | 112.5      | 118.5      | 0.625           | 1.0                       | 0.0               | 75.9              | -20.8        | 72.5         | 75.5         | 106.0 | 106.0 | 1.0 | 0.43  | 1.0   | 0.0   | 67.8  | -30.8 | 58.2  | 65.8  | 117  |     |  |  |  |
| 113.3      | 120.0      | 127.2      | 0.5             | 1.0                       | 0.0               | 70.6              | -26.9        | 62.2         | 67.8         | 113.3 | 113.3 | 1.0 | 0.325 | 1.0   | 0.0   | 62.7  | -38.9 | 51.2  | 64.3  | 127  |     |  |  |  |
| 121.5      | 127.5      | 136.0      | 0.375           | 1.0                       | 0.0               | 65.4              | -33.6        | 54.7         | 64.2         | 121.5 | 121.5 | 1.0 | 0.254 | 1.0   | 0.0   | 58.7  | -45.9 | 45.3  | 64.5  | 135  |     |  |  |  |
| 135.8      | 135.0      | 144.7      | 0.25            | 1.0                       | 0.0               | 58.4              | -46.3        | 44.9         | 64.5         | 135.8 | 135.8 | 1.0 | 0.146 | 1.0   | 0.0   | 54.9  | -52.5 | 37.2  | 64.4  | 144  |     |  |  |  |
| 146.5      | 142.5      | 153.4      | 0.125           | 1.0                       | 0.0               | 54.2              | -53.6        | 35.4         | 64.3         | 146.5 | 146.5 | 1.0 | 0.049 | 1.0   | 0.0   | 51.5  | -60.6 | 31.1  | 68.2  | 152  |     |  |  |  |
| 157.0      | 150.0      | 162.2      | 0.0             | 1.0                       | 0.0               | 49.6              | -65.0        | 27.6         | 70.6         | 157.0 | 157.0 | 1.0 | 0.0   | 1.0   | 0.112 | 50.4  | -62.6 | 20.1  | 65.8  | 162  |     |  |  |  |
| 162.8      | 157.5      | 169.0      | 0.0             | 1.0                       | 0.125             | 50.4              | -62.3        | 19.2         | 65.2         | 162.8 | 162.8 | 1.0 | 0.0   | 1.0   | 0.218 | 51.0  | -59.5 | 12.0  | 60.8  | 168  |     |  |  |  |
| 170.5      | 165.0      | 175.9      | 0.0             | 1.0                       | 0.25              | 51.1              | -58.4        | 9.7          | 59.2         | 170.5 | 170.5 | 1.0 | 0.0   | 1.0   | 0.315 | 51.6  | -56.1 | 4.0   | 56.4  | 175  |     |  |  |  |
| 180.7      | 172.5      | 182.7      | 0.0             | 1.0                       | 0.375             | 52.0              | -53.7        | -0.7         | 53.7         | 180.7 | 180.7 | 1.0 | 0.0   | 1.0   | 0.391 | 52.2  | -53.0 | -2.0  | 53.2  | 182  |     |  |  |  |
| 192.6      | 180.0      | 189.6      | 0.0             | 1.0                       | 0.5               | 53.0              | -48.2        | -10.8        | 49.4         | 192.6 | 192.6 | 1.0 | 0.0   | 1.0   | 0.468 | 52.8  | -49.7 | -8.3  | 50.5  | 189  |     |  |  |  |
| 204.6      | 187.5      | 196.4      | 0.0             | 1.0                       | 0.625             | 54.2              | -43.2        | -19.8        | 47.5         | 204.6 | 204.6 | 1.0 | 0.0   | 1.0   | 0.535 | 53.4  | -46.9 | -13.4 | 48.9  | 195  |     |  |  |  |
| 215.7      | 195.0      | 203.2      | 0.0             | 1.0                       | 0.75              | 55.3              | -38.3        | -27.5        | 47.2         | 215.7 | 215.7 | 1.0 | 0.0   | 1.0   | 0.611 | 54.1  | -43.8 | -18.8 | 47.8  | 203  |     |  |  |  |
| 224.8      | 202.5      | 210.1      | 0.0             | 1.0                       | 0.875             | 56.1              | -34.1        | -33.9        | 48.1         | 224.8 | 224.8 | 1.0 | 0.0   | 1.0   | 0.682 | 54.7  | -41.1 | -23.4 | 47.4  | 209  |     |  |  |  |
| 233.2      | 210.0      | 216.9      | 0.0             | 1.0                       | 1.0               | 57.0              | -29.7        | -39.8        | 49.7         | 233.2 | 233.2 | 1.0 | 0.0   | 1.0   | 0.767 | 55.5  | -37.7 | -28.4 | 47.4  | 216  |     |  |  |  |
| 237.7      | 217.5      | 223.8      | 0.0             | 0.875                     | 1.0               | 54.2              | -25.1        | -39.8        | 47.1         | 237.7 | 237.7 | 1.0 | 0.0   | 1.0   | 0.855 | 56.0  | -34.8 | -32.8 | 48.0  | 223  |     |  |  |  |
| 243.5      | 225.0      | 230.6      | 0.0             | 0.75                      | 1.0               | 50.9              | -19.7        | -39.7        | 44.3         | 243.5 | 243.5 | 1.0 | 0.0   | 1.0   | 0.961 | 56.8  | -31.1 | -38.0 | 49.3  | 230  |     |  |  |  |
| 249.9      | 232.5      | 237.5      | 0.0             | 0.625                     | 1.0               | 47.6              | -14.3        | -39.4        | 42.0         | 249.9 | 249.9 | 1.0 | 0.0   | 0.895 | 1.0   | 54.7  | -25.8 | -39.8 | 47.6  | 237  |     |  |  |  |
| 260.8      | 240.0      | 244.3      | 0.0             | 0.5                       | 1.0               | 43.1              | -6.3         | -39.3        | 39.8         | 260.8 | 260.8 | 1.0 | 0.0   | 0.734 | 1.0   | 50.5  | -19.0 | -39.7 | 44.1  | 244  |     |  |  |  |
| 272.2      | 247.5      | 251.2      | 0.0             | 0.375                     | 1.0               | 38.5              | 1.5          | -38.8        | 38.9         | 272.2 | 272.2 | 1.0 | 0.0   | 0.616 | 1.0   | 47.3  | -13.7 | -39.4 | 41.9  | 250  |     |  |  |  |
| 284.2      | 255.0      | 258.0      | 0.0             | 0.25                      | 1.0               | 34.1              | 9.8          | -38.8        | 40.0         | 284.2 | 284.2 | 1.0 | 0.0   | 0.532 | 1.0   | 44.3  | -8.3  | -39.4 | 40.4  | 258  |     |  |  |  |
| 295.4      | 262.5      | 264.8      | 0.0             | 0.125                     | 1.0               | 29.5              | 18.5         | -38.8        | 43.0         | 295.4 | 295.4 | 1.0 | 0.0   | 0.461 | 1.0   | 41.7  | -3.7  | -39.3 | 39.5  | 264  |     |  |  |  |
| 303.9      | 270.0      | 271.7      | 0.0             | 0.0                       | 1.0               | 25.8              | 26.0         | -38.7        | 46.7         | 303.9 | 303.9 | 1.0 | 0.0   | 0.381 | 1.0   | 38.7  | 1.2   | -38.8 | 39.0  | 271  |     |  |  |  |
| 312.9      | 277.5      | 278.8      | 0.125           | 0.0                       | 1.0               | 28.4              | 32.6         | -35.0        | 47.9         | 312.9 | 312.9 | 1.0 | 0.0   | 0.311 | 1.0   | 36.3  | 5.8   | -39.0 | 39.5  | 278  |     |  |  |  |
| 322.0      | 285.0      | 285.9      | 0.25            | 0.0                       | 1.0               | 29.2              | 39.8         | -31.1        | 50.6         | 322.0 | 322.0 | 1.0 | 0.0   | 0.231 | 1.0   | 33.4  | 11.1  | -38.9 | 40.5  | 285  |     |  |  |  |
| 333.8      | 292.5      | 293.0      | 0.375           | 0.0                       | 1.0               | 33.3              | 50.2         | -24.6        | 55.9         | 333.8 | 333.8 | 1.0 | 0.0   | 0.157 | 1.0   | 30.7  | 16.2  | -38.9 | 42.3  | 292  |     |  |  |  |
| 340.6      | 300.0      | 300.1      | 0.5             | 0.0                       | 1.0               | 36.7              | 56.5         | -19.8        | 59.9         | 340.6 | 340.6 | 1.0 | 0.0   | 0.055 | 1.0   | 27.5  | 22.7  | -38.9 | 45.1  | 300  |     |  |  |  |
| 348.4      | 307.5      | 307.2      | 0.625           | 0.0                       | 1.0               | 39.1              | 64.4         | -13.1        | 65.7         | 348.4 | 348.4 | 1.0 | 0.0   | 0.04  | 0.0   | 1.0   | 26.7  | 28.2  | -37.6 | 47.1 | 306 |  |  |  |
| 353.1      | 315.0      | 314.3      | 0.75            | 0.0                       | 1.0               | 42.7              | 70.0         | -8.4         | 70.5         | 353.1 | 353.1 | 1.0 | 0.0   | 0.145 | 0.0   | 1.0   | 28.6  | 33.8  | -34.5 | 48.4 | 314 |  |  |  |
| 356.0      | 322.5      | 321.4      | 0.875           | 0.0                       | 1.0               | 45.4              | 73.8         | -5.1         | 74.0         | 356.0 | 356.0 | 1.0 | 0.0   | 0.236 | 0.0   | 1.0   | 29.2  | 39.1  | -31.6 | 50.3 | 321 |  |  |  |
| 359.5      | 330.0      | 328.6      | 1.0             | 0.0                       | 1.0               | 47.2              | 78.3         | -0.6         | 78.3         | 359.5 | 359.5 | 1.0 | 0.0   | 0.319 | 0.0   | 1.0   | 31.5  | 45.7  | -27.8 | 53.6 | 328 |  |  |  |
| 362.6      | 337.5      | 335.7      | 1.0             | 0.0                       | 0.875             | 47.0              | 77.4         | 3.5          | 77.4         | 362.6 | 362.6 | 1.0 | 0.0   | 0.404 | 0.0   | 1.0   | 34.0  | 51.6  | -23.7 | 56.8 | 335 |  |  |  |
| 365.8      | 345.0      | 342.8      | 1.0             | 0.0                       | 0.75              | 46.9              | 76.3         | 7.8          | 76.7         | 365.8 | 365.8 | 1.0 | 0.0   | 0.535 | 0.0   | 1.0   | 37.5  | 58.8  | -18.1 | 61.6 | 342 |  |  |  |
| 370.0      | 352.5      | 349.9      | 1.0             | 0.0                       | 0.625             | 46.9              | 75.1         | 13.2         | 76.2         | 370.0 | 370.0 | 1.0 | 0.0   | 0.651 | 0.0   | 1.0   | 39.9  | 65.6  | -12.1 | 66.8 | 349 |  |  |  |
| 374.4      | 360.0      | 357.0      | 1.0             | 0.0                       | 0.5               | 46.7              | 74.0         | 19.0         | 76.4         | 374.4 | 374.4 | 1.0 | 0.0   | 0.721 | 0.0   | 1.0   | 41.9  | 68.8  | -9.5  | 69.4 | 352 |  |  |  |
| 379.4      | 367.5      | 364.1      | 1.0             | 0.0                       | 0.375             | 46.9              | 72.4         | 25.6         | 76.8         | 379.4 | 379.4 | 1.0 | 0.0   | 0.987 | 47.2  | 78.3  | -0.1  | 78.3  | 359   |      |     |  |  |  |
| 384.4      | 375.0      | 371.2      | 1.0             | 0.0                       | 0.25              | 46.6              | 71.6         | 32.5         | 78.7         | 384.4 | 384.4 | 1.0 | 0.0   | 0.663 | 47.0  | 75.5  | 11.7  | 76.4  | 368   |      |     |  |  |  |
| 388.7      | 382.5      | 378.3      | 1.0             | 0.0                       | 0.125             | 46.5              | 70.9         | 38.9         | 80.9         | 388.7 | 388.7 | 1.0 | 0.0   | 0.447 | 46.8  | 73.4  | 21.8  | 76.6  | 376   |      |     |  |  |  |
| 392.5      | 390.0      | 385.4      | 1.0             | 0.0                       | 0.0               | 46.4              | 70.3         | 44.9         | 83.4         | 392.5 | 392.5 | 1.0 | 0.0   | 0.219 | 46.6  | 71.6  | 34.1  | 79.3  | 385   |      |     |  |  |  |

TUB registration: 20130201-SE17/SE17L0NP.PDF /PS  
application for measurement of offset print output, separationcmy0 (CMY0)

TUB material: code=rh4ta

1-003831-L0

SE170-70

LAB\*la0, YN=0%, XYZnw=3.5, 4.0, 6.0, 86.2, 91.2, 96.3, LAB\*nw=23.6, 0.0, 0.0, 96.5, 0.0, 0.0

Output: Offset standard print; separation cmy0\*, D65, page 9/33

TUB-test chart SE17; 1080 colours, offset standard paper  
48 step hue circles;  $rgb-LabCh^*$  tables, 3D=0, de=0, cmy0

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmy0_d$

1-003831-F0

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGCBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;

Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 32.6, 94.4, 157.0, 233.3, 303.9, 359.5$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{ddx361Mi}(x=LabCh)$ | $R_d$ | $rgb^*_{ds361Mi}$                    | $LAB^*_{dsx361Mi}(x=LabCh)$ | $R_s$         | $rgb^*_{dd361Mi}$                    | $LAB^*_{dex361Mi}(x=LabCh)$ | $R_e$         | $rgb^*_{dd361Mi}$ | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
|------------|------------|------------|------------------|-----------------------------|-------|--------------------------------------|-----------------------------|---------------|--------------------------------------|-----------------------------|---------------|-------------------|--------------|--------------|--------------|
| 32         | 30         | 25         | 1.0 0.0 0.0      | 46.4 70.3 44.9 83.4 32      |       | 1.0 0.0 0.084 46.5 70.8 40.9 81.7 30 |                             | 1.0 0.0 0.0   | 1.0 0.0 0.219 46.6 71.6 34.1 79.3 25 |                             | 1.0 0.0 0.0   |                   |              |              |              |
| 33         | 31         | 26         | 1.0 0.016 0.0    | 46.8 69.2 45.5 82.8 33      |       | 1.0 0.0 0.052 46.5 70.6 42.4 82.4 31 |                             | 1.0 0.017 0.0 | 1.0 0.0 0.187 46.6 71.4 35.7 79.8 26 |                             | 1.0 0.017 0.0 |                   |              |              |              |
| 34         | 32         | 27         | 1.0 0.033 0.0    | 47.3 68.1 46.0 82.2 34      |       | 1.0 0.0 0.019 46.4 70.4 44.0 83.1 32 |                             | 1.0 0.033 0.0 | 1.0 0.0 0.155 46.6 71.2 37.4 80.4 27 |                             | 1.0 0.033 0.0 |                   |              |              |              |
| 34         | 33         | 28         | 1.0 0.05 0.0     | 47.8 67.0 46.6 81.6 34      |       | 1.0 0.009 0.0 46.7 69.7 45.3 83.1 33 |                             | 1.0 0.05 0.0  | 1.0 0.0 0.123 46.6 70.9 39.0 81.0 28 |                             | 1.0 0.05 0.0  |                   |              |              |              |
| 35         | 34         | 29         | 1.0 0.066 0.0    | 48.3 65.9 47.1 81.0 35      |       | 1.0 0.032 0.0 47.3 68.2 46.0 82.3 34 |                             | 1.0 0.067 0.0 | 1.0 0.0 0.086 46.5 70.8 40.8 81.7 29 |                             | 1.0 0.067 0.0 |                   |              |              |              |
| 36         | 35         | 31         | 1.0 0.083 0.0    | 48.7 64.8 47.6 80.4 36      |       | 1.0 0.054 0.0 48.0 66.8 46.8 81.5 35 |                             | 1.0 0.083 0.0 | 1.0 0.0 0.05 46.5 70.6 42.5 82.4 31  |                             | 1.0 0.083 0.0 |                   |              |              |              |
| 37         | 36         | 32         | 1.0 0.1 0.0      | 49.2 63.7 48.1 79.8 37      |       | 1.0 0.077 0.0 48.6 65.3 47.4 80.7 36 |                             | 1.0 0.1 0.0   | 1.0 0.0 0.014 46.4 70.4 44.3 83.2 32 |                             | 1.0 0.1 0.0   |                   |              |              |              |
| 37         | 37         | 33         | 1.0 0.116 0.0    | 49.7 62.6 48.5 79.2 37      |       | 1.0 0.099 0.0 49.2 63.8 48.1 79.9 37 |                             | 1.0 0.117 0.0 | 1.0 0.016 0.0 46.9 69.3 45.5 82.9 33 |                             | 1.0 0.117 0.0 |                   |              |              |              |
| 38         | 38         | 34         | 1.0 0.133 0.0    | 50.2 61.4 49.2 78.7 38      |       | 1.0 0.122 0.0 49.9 62.3 48.7 79.1 38 |                             | 1.0 0.133 0.0 | 1.0 0.041 0.0 47.6 67.7 46.3 82.0 34 |                             | 1.0 0.133 0.0 |                   |              |              |              |
| 39         | 39         | 35         | 1.0 0.15 0.0     | 50.9 60.0 50.0 78.1 39      |       | 1.0 0.138 0.0 50.5 61.1 49.5 78.6 39 |                             | 1.0 0.15 0.0  | 1.0 0.066 0.0 48.3 66.0 47.1 81.1 35 |                             | 1.0 0.15 0.0  |                   |              |              |              |
| 40         | 40         | 36         | 1.0 0.166 0.0    | 51.6 58.5 50.8 77.6 40      |       | 1.0 0.152 0.0 51.0 59.8 50.2 78.1 40 |                             | 1.0 0.167 0.0 | 1.0 0.091 0.0 49.0 64.4 47.8 80.2 36 |                             | 1.0 0.167 0.0 |                   |              |              |              |
| 42         | 41         | 37         | 1.0 0.183 0.0    | 52.2 57.1 51.6 77.0 42      |       | 1.0 0.167 0.0 51.6 58.6 50.9 77.6 41 |                             | 1.0 0.183 0.0 | 1.0 0.116 0.0 49.7 62.7 48.5 79.3 37 |                             | 1.0 0.183 0.0 |                   |              |              |              |
| 43         | 42         | 38         | 1.0 0.2 0.0      | 52.9 55.7 52.3 76.4 43      |       | 1.0 0.182 0.0 52.2 57.3 51.6 77.1 42 |                             | 1.0 0.2 0.0   | 1.0 0.135 0.0 50.4 61.3 49.3 78.7 38 |                             | 1.0 0.2 0.0   |                   |              |              |              |
| 44         | 43         | 39         | 1.0 0.216 0.0    | 53.5 54.3 53.0 75.9 44      |       | 1.0 0.197 0.0 52.8 56.0 52.2 76.6 43 |                             | 1.0 0.217 0.0 | 1.0 0.152 0.0 51.0 59.9 50.2 78.1 39 |                             | 1.0 0.217 0.0 |                   |              |              |              |
| 45         | 44         | 41         | 1.0 0.233 0.0    | 54.2 52.8 53.7 75.3 45      |       | 1.0 0.212 0.0 53.4 54.7 52.9 76.1 44 |                             | 1.0 0.233 0.0 | 1.0 0.168 0.0 51.7 58.5 51.0 77.6 41 |                             | 1.0 0.233 0.0 |                   |              |              |              |
| 46         | 45         | 42         | 1.0 0.25 0.0     | 54.8 51.4 54.3 74.8 46      |       | 1.0 0.226 0.0 53.9 53.5 53.5 75.6 45 |                             | 1.0 0.25 0.0  | 1.0 0.185 0.0 52.3 57.1 51.7 77.0 42 |                             | 1.0 0.25 0.0  |                   |              |              |              |
| 47         | 46         | 43         | 1.0 0.266 0.0    | 55.6 49.8 55.3 74.4 47      |       | 1.0 0.241 0.0 54.5 52.2 54.0 75.1 46 |                             | 1.0 0.267 0.0 | 1.0 0.201 0.0 53.0 55.6 52.4 76.4 43 |                             | 1.0 0.267 0.0 |                   |              |              |              |
| 49         | 47         | 44         | 1.0 0.283 0.0    | 56.3 48.3 56.2 74.1 49      |       | 1.0 0.255 0.0 55.1 51.0 54.6 74.7 47 |                             | 1.0 0.283 0.0 | 1.0 0.218 0.0 53.6 54.2 53.1 75.9 44 |                             | 1.0 0.283 0.0 |                   |              |              |              |
| 50         | 48         | 45         | 1.0 0.3 0.0      | 57.1 46.7 57.1 73.8 50      |       | 1.0 0.267 0.0 55.6 49.8 55.3 74.5 48 |                             | 1.0 0.3 0.0   | 1.0 0.234 0.0 54.2 52.8 53.8 75.3 45 |                             | 1.0 0.3 0.0   |                   |              |              |              |
| 52         | 49         | 46         | 1.0 0.316 0.0    | 57.8 45.2 57.9 73.5 52      |       | 1.0 0.279 0.0 56.2 48.7 56.0 74.2 49 |                             | 1.0 0.317 0.0 | 1.0 0.251 0.0 54.9 51.4 54.4 74.8 46 |                             | 1.0 0.317 0.0 |                   |              |              |              |
| 53         | 50         | 47         | 1.0 0.333 0.0    | 58.6 43.6 58.7 73.1 53      |       | 1.0 0.292 0.0 56.7 47.6 56.7 74.0 50 |                             | 1.0 0.333 0.0 | 1.0 0.264 0.0 55.5 50.1 55.2 74.5 47 |                             | 1.0 0.333 0.0 |                   |              |              |              |
| 54         | 51         | 48         | 1.0 0.35 0.0     | 59.3 42.0 59.4 72.8 54      |       | 1.0 0.304 0.0 57.3 46.4 57.3 73.8 51 |                             | 1.0 0.35 0.0  | 1.0 0.278 0.0 56.1 48.8 55.9 74.3 48 |                             | 1.0 0.35 0.0  |                   |              |              |              |
| 56         | 52         | 49         | 1.0 0.366 0.0    | 60.1 40.4 60.2 72.5 56      |       | 1.0 0.316 0.0 57.9 45.3 57.9 73.5 52 |                             | 1.0 0.367 0.0 | 1.0 0.292 0.0 56.7 47.6 56.7 74.0 49 |                             | 1.0 0.367 0.0 |                   |              |              |              |
| 57         | 53         | 51         | 1.0 0.383 0.0    | 60.9 38.9 61.0 72.3 57      |       | 1.0 0.328 0.0 58.4 44.1 58.5 73.3 53 |                             | 1.0 0.383 0.0 | 1.0 0.305 0.0 57.4 46.3 57.4 73.7 51 |                             | 1.0 0.383 0.0 |                   |              |              |              |
| 58         | 54         | 52         | 1.0 0.4 0.0      | 61.6 37.4 61.9 72.4 58      |       | 1.0 0.341 0.0 59.0 42.9 59.1 73.0 54 |                             | 1.0 0.4 0.0   | 1.0 0.319 0.0 58.0 45.0 58.1 73.5 52 |                             | 1.0 0.4 0.0   |                   |              |              |              |
| 60         | 55         | 53         | 1.0 0.416 0.0    | 62.4 36.0 62.8 72.4 60      |       | 1.0 0.353 0.0 59.5 41.8 59.6 72.8 55 |                             | 1.0 0.417 0.0 | 1.0 0.332 0.0 58.6 43.7 58.7 73.2 53 |                             | 1.0 0.417 0.0 |                   |              |              |              |
| 61         | 56         | 54         | 1.0 0.433 0.0    | 63.2 34.5 63.6 72.4 61      |       | 1.0 0.365 0.0 60.1 40.6 60.1 72.6 56 |                             | 1.0 0.433 0.0 | 1.0 0.346 0.0 59.2 42.4 59.3 72.9 54 |                             | 1.0 0.433 0.0 |                   |              |              |              |
| 62         | 57         | 55         | 1.0 0.45 0.0     | 64.0 33.0 64.4 72.4 62      |       | 1.0 0.378 0.0 60.6 39.4 60.7 72.4 57 |                             | 1.0 0.45 0.0  | 1.0 0.36 0.0 59.8 41.1 59.9 72.7 55  |                             | 1.0 0.45 0.0  |                   |              |              |              |
| 64         | 58         | 56         | 1.0 0.466 0.0    | 64.8 31.5 65.2 72.5 64      |       | 1.0 0.39 0.0 61.2 38.4 61.4 72.4 58  |                             | 1.0 0.467 0.0 | 1.0 0.373 0.0 60.4 39.8 60.5 72.4 56 |                             | 1.0 0.467 0.0 |                   |              |              |              |
| 65         | 59         | 57         | 1.0 0.483 0.0    | 65.6 30.0 66.0 72.5 65      |       | 1.0 0.402 0.0 61.8 37.3 62.1 72.4 59 |                             | 1.0 0.483 0.0 | 1.0 0.387 0.0 61.1 38.6 61.2 72.4 57 |                             | 1.0 0.483 0.0 |                   |              |              |              |
| 66         | 60         | 58         | 1.0 0.5 0.0      | 66.4 28.5 66.7 72.5 66      |       | 1.0 0.415 0.0 62.4 36.2 62.7 72.4 60 |                             | 1.0 0.5 0.0   | 1.0 0.401 0.0 61.7 37.4 62.0 72.4 58 |                             | 1.0 0.5 0.0   |                   |              |              |              |
| 68         | 61         | 60         | 1.0 0.516 0.0    | 67.3 26.9 67.8 73.0 68      |       | 1.0 0.427 0.0 63.0 35.1 63.4 72.4 61 |                             | 1.0 0.517 0.0 | 1.0 0.415 0.0 62.4 36.2 62.7 72.4 60 |                             | 1.0 0.517 0.0 |                   |              |              |              |
| 69         | 62         | 61         | 1.0 0.533 0.0    | 68.3 25.3 68.9 73.4 69      |       | 1.0 0.44 0.0 63.6 34.0 64.0 72.5 62  |                             | 1.0 0.533 0.0 | 1.0 0.429 0.0 63.0 35.0 63.4 72.5 61 |                             | 1.0 0.533 0.0 |                   |              |              |              |
| 71         | 63         | 62         | 1.0 0.55 0.0     | 69.2 23.7 70.0 73.9 71      |       | 1.0 0.452 0.0 64.1 32.9 64.6 72.5 63 |                             | 1.0 0.55 0.0  | 1.0 0.443 0.0 63.7 33.8 64.1 72.5 62 |                             | 1.0 0.55 0.0  |                   |              |              |              |
| 72         | 64         | 63         | 1.0 0.566 0.0    | 70.2 22.0 71.0 74.4 72      |       | 1.0 0.464 0.0 64.7 31.8 65.2 72.5 64 |                             | 1.0 0.567 0.0 | 1.0 0.456 0.0 64.4 32.5 64.8 72.5 63 |                             | 1.0 0.567 0.0 |                   |              |              |              |
| 74         | 65         | 64         | 1.0 0.583 0.0    | 71.1 20.3 72.0 74.8 74      |       | 1.0 0.477 0.0 65.3 30.7 65.7 72.5 65 |                             | 1.0 0.583 0.0 | 1.0 0.47 0.0 65.0 31.3 65.4 72.5 64  |                             | 1.0 0.583 0.0 |                   |              |              |              |
| 75         | 66         | 65         | 1.0 0.6 0.0      | 72.1 18.5 73.0 75.3 75      |       | 1.0 0.489 0.0 65.9 29.5 66.3 72.6 66 |                             | 1.0 0.6 0.0   | 1.0 0.484 0.0 65.7 30.0 66.1 72.5 65 |                             | 1.0 0.6 0.0   |                   |              |              |              |
| 77         | 67         | 66         | 1.0 0.616 0.0    | 73.0 16.8 73.9 75.8 77      |       | 1.0 0.502 0.0 66.5 28.4 66.8 72.6 67 |                             | 1.0 0.617 0.0 | 1.0 0.498 0.0 66.3 28.7 66.6 72.6 66 |                             | 1.0 0.617 0.0 |                   |              |              |              |
| 78         | 68         | 67         | 1.0 0.633 0.0    | 73.9 15.3 74.7 76.3 78      |       | 1.0 0.513 0.0 67.1 27.3 67.6 72.9 68 |                             | 1.0 0.633 0.0 | 1.0 0.511 0.0 67.0 27.5 67.5 72.9 67 |                             | 1.0 0.633 0.0 |                   |              |              |              |
| 79         | 69         | 68         | 1.0 0.65 0.0     | 74.6 14.1 75.6 76.9 79      |       | 1.0 0.524 0.0 67.8 26.2 68.4 73.2 69 |                             | 1.0 0.65 0.0  | 1.0 0.523 0.0 67.7 26.3 68.3 73.2 68 |                             | 1.0 0.65 0.0  |                   |              |              |              |
| 80         | 70         | 70         | 1.0 0.666 0.0    | 75.3 13.0 76.4 77.5 80      |       | 1.0 0.535 0.0 68.4 25.2 69.1 73.6 70 |                             | 1.0 0.667 0.0 | 1.0 0.536 0.0 68.5 25.1 69.1 73.6 70 |                             | 1.0 0.667 0.0 |                   |              |              |              |
| 81         | 71         | 71         | 1.0 0.683 0.0    | 76.1 11.8 77.2 78.1 81      |       | 1.0 0.547 0.0 69.1 24.1 69.8 73.9 71 |                             | 1.0 0.683 0.0 | 1.0 0.548 0.0 69.2 23.9 70.0 73.9 71 |                             | 1.0 0.683 0.0 |                   |              |              |              |
| 82         | 72         | 72         | 1.0 0.7 0.0      | 76.8 10.6 78.0 78.7 82      |       | 1.0 0.558 0.0 69.7 22.9 70.6 74.2 72 |                             | 1.0 0.7 0.0   | 1.0 0.561 0.0 69.9 22.6 70.7 74.3 72 |                             | 1.0 0.7 0.0   |                   |              |              |              |
| 83         | 73         | 73         | 1.0 0.716 0.0    | 77.6 9.3 78.8 79.3 83       |       | 1.0 0.569 0.0 70.4 21.8 71.2 74.5 73 |                             | 1.0 0.717 0.0 | 1.0 0.574 0.0 70.6 21.3 71.5 74.6 73 |                             | 1.0 0.717 0.0 |                   |              |              |              |
| 84         | 74         | 74         | 1.0 0.733 0.0    | 78.3 8.0 79.5 79.9 84       |       | 1.0 0.581 0.0 71.0 20.6 71.9 74.8 74 |                             | 1.0 0.733 0.0 | 1.0 0.586 0.0 71.3 20.0 72.2 75.0 74 |                             | 1.0 0.733 0.0 |                   |              |              |              |
| 85         | 75         | 75         | 1.0 0.75 0.0     | 79.1 6.8 80.2 80.5 85       |       | 1.0 0.592 0.0 71.7 19.4 72.6 75.1 75 |                             | 1.0 0.75 0.0  | 1.0 0.599 0.0 72.0 18.7 73.0 75.3 75 |                             | 1.0 0.75 0.0  |                   |              |              |              |

1-003931-L0 SE170-70 LAB\*la0, YN=0%, XYZnw=3.5, 4.0, 6.0, 86.2, 91.2, 96.3, LAB\*nmw=23.6, 0.0, 0.0, 96.5, 0.0, 0.0

Output: Offset standard print; separation cmy0\*, D65, page 10/33

TUB-test chart SE17; 1080 colours, offset standard paper  
48 step hue circles;  $rgb-LabCh$ \*tables, 3D=0, de=0, cmy0

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmy0_d$

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE17/SE17L0NP.PDF /.PS  
application for measurement of offset print output, separationcmy0 (CMY0)  
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGCBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 32.6, 94.4, 157.0, 233.3, 303.9, 359.5$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| Six hue angles of the device colours RYGBM <sub>d</sub> : $h_{ab,d} = 32.6, 94.4, 157.0, 233.3, 303.9, 359.5$ ; |            |            |                  |       |                            |      |                   |       |                             |      | Six hue angles of the elementary colours RYGBM <sub>e</sub> : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |       |                   |      |                              |       |                   |        |              |                |              |     |       |       |      |      |      |       |      |      |       |                |     |     |     |  |  |  |
|-----------------------------------------------------------------------------------------------------------------|------------|------------|------------------|-------|----------------------------|------|-------------------|-------|-----------------------------|------|-------------------------------------------------------------------------------------------------------------------|-------|-------------------|------|------------------------------|-------|-------------------|--------|--------------|----------------|--------------|-----|-------|-------|------|------|------|-------|------|------|-------|----------------|-----|-----|-----|--|--|--|
| $h_{ab,d}$                                                                                                      | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ |       | $LAB^*_{d361Mi} (x=LabCh)$ |      | $rgb^*_{ds361Mi}$ |       | $LAB^*_{ds361Mi} (x=LabCh)$ |      | $rgb^*_{dd361Mi}$                                                                                                 |       | $rgb^*_{de361Mi}$ |      | $LAB^*_{dex361Mi} (x=LabCh)$ |       | $rgb^*_{dd361Mi}$ |        | $rgb^*_{da}$ | $rgb^*_{ds}$   | $rgb^*_{de}$ |     |       |       |      |      |      |       |      |      |       |                |     |     |     |  |  |  |
| 85                                                                                                              | 75         | 75         | 1.0              | 0.75  | 0.0                        | 79.1 | 6.8               | 80.2  | 80.5                        | 85   | 1.0                                                                                                               | 0.592 | 0.0               | 71.7 | 19.4                         | 72.6  | 75.1              | 75     | 1.0          | 0.75           | 0.0          | 1.0 | 0.599 | 0.0   | 72.0 | 18.7 | 73.0 | 75.3  | 75   | 1.0  | 0.75  | 0.0            |     |     |     |  |  |  |
| 85                                                                                                              | 76         | 76         | 1.0              | 0.766 | 0.0                        | 79.7 | 5.8               | 81.0  | 81.2                        | 85   | 1.0                                                                                                               | 0.603 | 0.0               | 72.3 | 18.3                         | 73.2  | 75.4              | 76     | 1.0          | 0.767          | 0.0          | 1.0 | 0.611 | 0.0   | 72.8 | 17.4 | 73.6 | 75.7  | 76   | 1.0  | 0.767 | 0.0            |     |     |     |  |  |  |
| 86                                                                                                              | 77         | 77         | 1.0              | 0.783 | 0.0                        | 80.4 | 4.8               | 81.7  | 81.8                        | 86   | 1.0                                                                                                               | 0.615 | 0.0               | 72.9 | 17.0                         | 73.8  | 75.8              | 77     | 1.0          | 0.783          | 0.0          | 1.0 | 0.624 | 0.0   | 73.5 | 16.0 | 74.3 | 76.0  | 77   | 1.0  | 0.783 | 0.0            |     |     |     |  |  |  |
| 87                                                                                                              | 78         | 78         | 1.0              | 0.8   | 0.0                        | 81.1 | 3.8               | 82.4  | 82.5                        | 87   | 1.0                                                                                                               | 0.626 | 0.0               | 73.6 | 15.8                         | 74.4  | 76.1              | 78     | 1.0          | 0.8            | 0.0          | 1.0 | 0.643 | 0.0   | 74.3 | 14.7 | 75.3 | 76.7  | 78   | 1.0  | 0.8   | 0.0            |     |     |     |  |  |  |
| 88                                                                                                              | 79         | 80         | 1.0              | 0.816 | 0.0                        | 81.8 | 2.7               | 83.1  | 83.2                        | 88   | 1.0                                                                                                               | 0.644 | 0.0               | 74.4 | 14.6                         | 75.3  | 76.7              | 79     | 1.0          | 0.817          | 0.0          | 1.0 | 0.662 | 0.0   | 75.2 | 13.4 | 76.2 | 77.4  | 80   | 1.0  | 0.817 | 0.0            |     |     |     |  |  |  |
| 88                                                                                                              | 80         | 81         | 1.0              | 0.833 | 0.0                        | 82.4 | 1.7               | 83.8  | 83.8                        | 88   | 1.0                                                                                                               | 0.661 | 0.0               | 75.1 | 13.4                         | 76.2  | 77.3              | 80     | 1.0          | 0.833          | 0.0          | 1.0 | 0.681 | 0.0   | 76.0 | 12.0 | 77.1 | 78.1  | 81   | 1.0  | 0.833 | 0.0            |     |     |     |  |  |  |
| 89                                                                                                              | 81         | 82         | 1.0              | 0.85  | 0.0                        | 83.1 | 0.6               | 84.5  | 84.5                        | 89   | 1.0                                                                                                               | 0.678 | 0.0               | 75.9 | 12.2                         | 77.0  | 78.0              | 81     | 1.0          | 0.85           | 0.0          | 1.0 | 0.7   | 0.0   | 76.9 | 10.6 | 78.1 | 78.8  | 82   | 1.0  | 0.85  | 0.0            |     |     |     |  |  |  |
| 90                                                                                                              | 82         | 83         | 1.0              | 0.866 | 0.0                        | 83.8 | -0.4              | 85.2  | 85.2                        | 90   | 1.0                                                                                                               | 0.695 | 0.0               | 76.7 | 10.9                         | 77.8  | 78.6              | 82     | 1.0          | 0.867          | 0.0          | 1.0 | 0.72  | 0.0   | 77.8 | 9.1  | 78.9 | 79.5  | 83   | 1.0  | 0.867 | 0.0            |     |     |     |  |  |  |
| 90                                                                                                              | 83         | 84         | 1.0              | 0.883 | 0.0                        | 84.4 | -1.3              | 85.8  | 85.8                        | 90   | 1.0                                                                                                               | 0.713 | 0.0               | 77.5 | 9.7                          | 78.6  | 79.2              | 83     | 1.0          | 0.883          | 0.0          | 1.0 | 0.739 | 0.0   | 78.6 | 7.7  | 79.8 | 80.2  | 84   | 1.0  | 0.883 | 0.0            |     |     |     |  |  |  |
| 91                                                                                                              | 84         | 85         | 1.0              | 0.9   | 0.0                        | 84.9 | -2.1              | 86.4  | 86.4                        | 91   | 1.0                                                                                                               | 0.73  | 0.0               | 78.2 | 8.3                          | 79.4  | 79.8              | 84     | 1.0          | 0.9            | 0.0          | 1.0 | 0.761 | 0.0   | 79.5 | 6.2  | 80.8 | 81.0  | 85   | 1.0  | 0.9   | 0.0            |     |     |     |  |  |  |
| 91                                                                                                              | 85         | 86         | 1.0              | 0.916 | 0.0                        | 85.4 | -2.8              | 86.9  | 87.0                        | 91   | 1.0                                                                                                               | 0.747 | 0.0               | 79.0 | 7.0                          | 80.2  | 80.5              | 85     | 1.0          | 0.917          | 0.0          | 1.0 | 0.786 | 0.0   | 80.6 | 4.7  | 81.9 | 82.0  | 86   | 1.0  | 0.917 | 0.0            |     |     |     |  |  |  |
| 92                                                                                                              | 86         | 87         | 1.0              | 0.933 | 0.0                        | 85.9 | -3.6              | 87.5  | 87.6                        | 92   | 1.0                                                                                                               | 0.769 | 0.0               | 79.9 | 5.7                          | 81.1  | 81.3              | 86     | 1.0          | 0.933          | 0.0          | 1.0 | 0.811 | 0.0   | 81.6 | 3.1  | 82.9 | 83.0  | 87   | 1.0  | 0.933 | 0.0            |     |     |     |  |  |  |
| 92                                                                                                              | 87         | 88         | 1.0              | 0.95  | 0.0                        | 86.5 | -4.4              | 88.1  | 88.2                        | 92   | 1.0                                                                                                               | 0.792 | 0.0               | 80.8 | 4.3                          | 82.1  | 82.2              | 87     | 1.0          | 0.95           | 0.0          | 1.0 | 0.837 | 0.0   | 82.6 | 1.5  | 84.0 | 84.0  | 88   | 1.0  | 0.95  | 0.0            |     |     |     |  |  |  |
| 93                                                                                                              | 88         | 90         | 1.0              | 0.966 | 0.0                        | 87.0 | -5.2              | 88.6  | 88.8                        | 93   | 1.0                                                                                                               | 0.815 | 0.0               | 81.7 | 2.9                          | 83.1  | 83.1              | 88     | 1.0          | 0.967          | 0.0          | 1.0 | 0.862 | 0.0   | 83.6 | 0.0  | 85.0 | 85.0  | 90   | 1.0  | 0.967 | 0.0            |     |     |     |  |  |  |
| 93                                                                                                              | 89         | 91         | 1.0              | 0.983 | 0.0                        | 87.5 | -6.0              | 89.2  | 89.4                        | 93   | 1.0                                                                                                               | 0.837 | 0.0               | 82.6 | 1.5                          | 84.0  | 84.0              | 89     | 1.0          | 0.983          | 0.0          | 1.0 | 0.893 | 0.0   | 84.7 | -1.7 | 86.2 | 86.2  | 91   | 1.0  | 0.983 | 0.0            |     |     |     |  |  |  |
| 94                                                                                                              | 90         | 92         | 1.0              | 1.0   | 0.0                        | 88.0 | -6.8              | 89.7  | 90.0                        | 94   | Y <sub>d</sub>                                                                                                    | 1.0   | 0.86              | 0.0  | 83.5                         | 0.0   | 84.9              | 84.9   | 90           | Y <sub>s</sub> | 1.0          | 1.0 | 0.0   | 1.0   | 0.93 | 0.0  | 85.9 | -3.4  | 87.5 | 87.5 | 92    | Y <sub>e</sub> | 1.0 | 1.0 | 0.0 |  |  |  |
| 94                                                                                                              | 91         | 93         | 0.983            |       | 1.0                        | 0.0  | 87.5              | -7.3  | 88.8                        | 89.1 | 94                                                                                                                | 1.0   | 0.886             | 0.0  | 84.5                         | -1.4  | 85.9              | 85.9   | 91           | 0.983          | 1.0          | 0.0 | 1.0   | 0.969 | 0.0  | 87.1 | -5.3 | 88.8  | 88.9 | 93   | 0.983 | 1.0            | 0.0 |     |     |  |  |  |
| 95                                                                                                              | 92         | 94         | 0.966            |       | 1.0                        | 0.0  | 87.1              | -7.8  | 87.9                        | 88.2 | 95                                                                                                                | 1.0   | 0.92              | 0.0  | 85.6                         | -2.9  | 87.1              | 87.1   | 92           | 0.967          | 1.0          | 0.0 | 1.0   | 0.988 | 1.0  | 0.0  | 87.7 | -7.1  | 89.1 | 89.4 | 94    | 0.967          | 1.0 | 0.0 |     |  |  |  |
| 95                                                                                                              | 93         | 95         | 0.95             |       | 1.0                        | 0.0  | 86.6              | -8.3  | 87.0                        | 87.4 | 95                                                                                                                | 1.0   | 0.953             | 0.0  | 86.6                         | -4.5  | 88.2              | 88.4   | 93           | 0.95           | 1.0          | 0.0 | 1.0   | 0.935 | 1.0  | 0.0  | 86.2 | -8.7  | 86.2 | 86.6 | 95    | 0.95           | 1.0 | 0.0 |     |  |  |  |
| 95                                                                                                              | 94         | 96         | 0.933            |       | 1.0                        | 0.0  | 86.1              | -8.8  | 86.1                        | 86.5 | 95                                                                                                                | 1.0   | 0.987             | 0.0  | 87.7                         | -6.1  | 89.3              | 89.6   | 94           | 0.933          | 1.0          | 0.0 | 1.0   | 0.881 | 1.0  | 0.0  | 84.7 | -10.1 | 83.2 | 83.8 | 96    | 0.933          | 1.0 | 0.0 |     |  |  |  |
| 96                                                                                                              | 95         | 98         | 0.916            |       | 1.0                        | 0.0  | 85.7              | -9.2  | 85.1                        | 85.6 | 96                                                                                                                | 0.972 | 1.0               | 0.0  | 87.3                         | -7.6  | 88.2              | 88.6   | 95           | 0.917          | 1.0          | 0.0 | 1.0   | 0.834 | 1.0  | 0.0  | 83.2 | -11.5 | 81.2 | 82.0 | 98    | 0.917          | 1.0 | 0.0 |     |  |  |  |
| 96                                                                                                              | 96         | 99         | 0.9              |       | 1.0                        | 0.0  | 85.2              | -9.6  | 84.2                        | 84.8 | 96                                                                                                                | 0.926 | 1.0               | 0.0  | 86.0                         | -8.9  | 85.7              | 86.2   | 96           | 0.9            | 1.0          | 0.0 | 1.0   | 0.787 | 1.0  | 0.0  | 81.7 | -12.9 | 79.2 | 80.3 | 99    | 0.9            | 1.0 | 0.0 |     |  |  |  |
| 96                                                                                                              | 97         | 100        | 0.883            |       | 1.0                        | 0.0  | 84.7              | -10.1 | 83.3                        | 83.9 | 96                                                                                                                | 0.88  | 1.0               | 0.0  | 84.7                         | -10.1 | 83.2              | 83.8   | 97           | 0.883          | 1.0          | 0.0 | 1.0   | 0.745 | 1.0  | 0.0  | 80.4 | -14.2 | 77.5 | 78.8 | 100   | 0.883          | 1.0 | 0.0 |     |  |  |  |
| 97                                                                                                              | 98         | 101        | 0.866            |       | 1.0                        | 0.0  | 84.2              | -10.5 | 82.5                        | 83.2 | 97                                                                                                                | 0.839 | 1.0               | 0.0  | 83.4                         | -11.3 | 81.4              | 82.2   | 98           | 0.867          | 1.0          | 0.0 | 1.0   | 0.72  | 1.0  | 0.0  | 79.4 | -15.6 | 76.5 | 78.1 | 101   | 0.867          | 1.0 | 0.0 |     |  |  |  |
| 97                                                                                                              | 99         | 102        | 0.85             |       | 1.0                        | 0.0  | 83.7              | -11.1 | 81.8                        | 82.6 | 97                                                                                                                | 0.799 | 1.0               | 0.0  | 82.1                         | -12.5 | 79.7              | 80.7   | 99           | 0.85           | 1.0          | 0.0 | 1.0   | 0.695 | 1.0  | 0.0  | 78.5 | -17.0 | 75.5 | 77.4 | 102   | 0.85           | 1.0 | 0.0 |     |  |  |  |
| 98                                                                                                              | 100        | 103        | 0.833            |       | 1.0                        | 0.0  | 83.2              | -11.6 | 81.1                        | 81.9 | 98                                                                                                                | 0.76  | 1.0               | 0.0  | 80.9                         | -13.7 | 78.1              | 79.3   | 100          | 0.833          | 1.0          | 0.0 | 1.0   | 0.669 | 1.0  | 0.0  | 77.6 | -18.4 | 74.5 | 76.7 | 103   | 0.833          | 1.0 | 0.0 |     |  |  |  |
| 98                                                                                                              | 101        | 105        | 0.816            |       | 1.0                        | 0.0  | 82.6              | -12.1 | 80.4                        | 81.3 | 98                                                                                                                | 0.734 | 1.0               | 0.0  | 79.9                         | -14.9 | 77.0              | 78.5   | 101          | 0.817          | 1.0          | 0.0 | 1.0   | 0.644 | 1.0  | 0.0  | 76.7 | -19.7 | 73.4 | 76.0 | 105   | 0.817          | 1.0 | 0.0 |     |  |  |  |
| 98                                                                                                              | 102        | 106        | 0.8              |       | 1.0                        | 0.0  | 82.1              | -12.6 | 79.7                        | 80.7 | 98                                                                                                                | 0.712 | 1.0               | 0.0  | 79.2                         | -16.1 | 76.2              | 77.9   | 102          | 0.8            | 1.0          | 0.0 | 1.0   | 0.62  | 1.0  | 0.0  | 75.8 | -21.0 | 72.2 | 75.2 | 106   | 0.8            | 1.0 | 0.0 |     |  |  |  |
| 99                                                                                                              | 103        | 107        | 0.783            |       | 1.0                        | 0.0  | 81.6              | -13.0 | 79.0                        | 80.1 | 99                                                                                                                | 0.69  | 1.0               | 0.0  | 78.4                         | -17.3 | 75.3              | 77.3   | 103          | 0.783          | 1.0          | 0.0 | 1.0   | 0.6   | 1.0  | 0.0  | 74.9 | -22.1 | 70.6 | 74.0 | 107   | 0.783          | 1.0 | 0.0 |     |  |  |  |
| 99                                                                                                              | 104        | 108        | 0.766            |       | 1.0                        | 0.0  | 81.0              | -13.5 | 78.3                        | 79.5 | 99                                                                                                                | 0.669 | 1.0               | 0.0  | 77.6                         | -18.5 | 74.4              | 76.7   | 104          | 0.767          | 1.0          | 0.0 | 1.0   | 0.581 | 1.0  | 0.0  | 74.1 | -23.1 | 69.0 | 72.8 | 108   | 0.767          | 1.0 | 0.0 |     |  |  |  |
| 100                                                                                                             | 105        | 109        | 0.75             |       | 1.0                        | 0.0  | 80.5              | -14.0 | 77.6                        | 78.9 | 100                                                                                                               | 0.647 | 1.0               | 0.0  | 76.8                         | -19.6 | 73.5              | 76.1   | 105          | 0.75           | 1.0          | 0.0 | 1.0   | 0.561 | 1.0  | 0.0  | 73.3 | -24.1 | 67.3 | 71.6 | 109   | 0.75           | 1.0 | 0.0 |     |  |  |  |
| 101                                                                                                             | 106        | 110        | 0.733            |       | 1.0                        | 0.0  | 79.9              | -14.9 | 77.0                        | 78.4 | 101                                                                                                               | 0.625 | 1.0               | 0.0  | 76.0                         | -20.7 | 72.6              | 75.5   | 106          | 0.733          | 1.0          | 0.0 | 1.0   | 0.541 | 1.0  | 0.0  | 72.4 | -25.1 | 65.7 | 70.4 | 110   | 0.733          | 1.0 | 0.0 |     |  |  |  |
| 101                                                                                                             | 107        | 112        | 0.716            |       | 1.0                        | 0.0  | 79.3              | -15.9 | 76.3                        | 78.0 | 101                                                                                                               | 0.608 | 1.0               | 0.0  | 75.3                         | -21.7 | 71.2              | 74.5</ |              |                |              |     |       |       |      |      |      |       |      |      |       |                |     |     |     |  |  |  |

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGCBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;

Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 32.6, 94.4, 157.0, 233.3, 303.9, 359.5$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ |     |       | $LAB^*_{ddx361Mi}(x=LabCh)$ |       |      | $rgb^*_{ds361Mi}$ | $LAB^*_{dsx361Mi}(x=LabCh)$ |       |     | $rgb^*_{dd361Mi}$ | $rgb^*_{de361Mi}$ |       |      | $LAB^*_{dex361Mi}(x=LabCh)$ |     |       | $rgb^*_{dd361Mi}$ | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |       |      |       |      |      |     |       |     |       |  |  |  |
|------------|------------|------------|------------------|-----|-------|-----------------------------|-------|------|-------------------|-----------------------------|-------|-----|-------------------|-------------------|-------|------|-----------------------------|-----|-------|-------------------|--------------|--------------|--------------|-------|------|-------|------|------|-----|-------|-----|-------|--|--|--|
| 113        | 120        | 127        | 0.5              | 1.0 | 0.0   | 70.6                        | -26.9 | 62.2 | 67.8              | 113                         | 0.399 | 1.0 | 0.0               | 66.4              | -32.4 | 56.2 | 64.9                        | 120 | 0.5   | 1.0               | 0.0          | 0.325        | 1.0          | 0.0   | 62.7 | -38.9 | 51.2 | 64.3 | 127 | 0.5   | 1.0 | 0.0   |  |  |  |
| 114        | 121        | 128        | 0.483            | 1.0 | 0.0   | 69.9                        | -27.8 | 61.3 | 67.3              | 114                         | 0.384 | 1.0 | 0.0               | 65.8              | -33.1 | 55.3 | 64.5                        | 121 | 0.483 | 1.0               | 0.0          | 0.315        | 1.0          | 0.0   | 62.1 | -39.9 | 50.4 | 64.4 | 128 | 0.483 | 1.0 | 0.0   |  |  |  |
| 115        | 122        | 129        | 0.466            | 1.0 | 0.0   | 69.2                        | -28.8 | 60.3 | 66.8              | 115                         | 0.371 | 1.0 | 0.0               | 65.2              | -33.9 | 54.5 | 64.2                        | 122 | 0.467 | 1.0               | 0.0          | 0.305        | 1.0          | 0.0   | 61.5 | -40.9 | 49.6 | 64.4 | 129 | 0.467 | 1.0 | 0.0   |  |  |  |
| 116        | 123        | 130        | 0.45             | 1.0 | 0.0   | 68.5                        | -29.7 | 59.3 | 66.4              | 116                         | 0.363 | 1.0 | 0.0               | 64.7              | -34.9 | 53.9 | 64.3                        | 123 | 0.45  | 1.0               | 0.0          | 0.295        | 1.0          | 0.0   | 61.0 | -42.0 | 48.8 | 64.4 | 130 | 0.45  | 1.0 | 0.0   |  |  |  |
| 117        | 124        | 131        | 0.433            | 1.0 | 0.0   | 67.8                        | -30.6 | 58.3 | 65.9              | 117                         | 0.354 | 1.0 | 0.0               | 64.3              | -35.8 | 53.3 | 64.3                        | 124 | 0.433 | 1.0               | 0.0          | 0.284        | 1.0          | 0.0   | 60.4 | -43.0 | 47.9 | 64.4 | 131 | 0.433 | 1.0 | 0.0   |  |  |  |
| 118        | 125        | 133        | 0.416            | 1.0 | 0.0   | 67.1                        | -31.5 | 57.3 | 65.4              | 118                         | 0.345 | 1.0 | 0.0               | 63.8              | -36.8 | 52.7 | 64.3                        | 125 | 0.417 | 1.0               | 0.0          | 0.274        | 1.0          | 0.0   | 59.8 | -43.9 | 47.1 | 64.5 | 133 | 0.417 | 1.0 | 0.0   |  |  |  |
| 119        | 126        | 134        | 0.4              | 1.0 | 0.0   | 66.4                        | -32.4 | 56.2 | 64.9              | 119                         | 0.336 | 1.0 | 0.0               | 63.3              | -37.7 | 52.0 | 64.3                        | 126 | 0.4   | 1.0               | 0.0          | 0.264        | 1.0          | 0.0   | 59.3 | -44.9 | 46.2 | 64.5 | 134 | 0.4   | 1.0 | 0.0   |  |  |  |
| 121        | 127        | 135        | 0.383            | 1.0 | 0.0   | 65.7                        | -33.2 | 55.2 | 64.4              | 121                         | 0.328 | 1.0 | 0.0               | 62.8              | -38.6 | 51.4 | 64.3                        | 127 | 0.383 | 1.0               | 0.0          | 0.254        | 1.0          | 0.0   | 58.7 | -45.9 | 45.3 | 64.5 | 135 | 0.383 | 1.0 | 0.0   |  |  |  |
| 122        | 128        | 136        | 0.366            | 1.0 | 0.0   | 64.9                        | -34.5 | 54.1 | 64.2              | 122                         | 0.319 | 1.0 | 0.0               | 62.3              | -39.5 | 50.7 | 64.4                        | 128 | 0.367 | 1.0               | 0.0          | 0.242        | 1.0          | 0.0   | 58.2 | -46.8 | 44.3 | 64.5 | 136 | 0.367 | 1.0 | 0.0   |  |  |  |
| 124        | 129        | 137        | 0.35             | 1.0 | 0.0   | 64.0                        | -36.3 | 53.0 | 64.2              | 124                         | 0.31  | 1.0 | 0.0               | 61.8              | -40.4 | 50.0 | 64.4                        | 129 | 0.35  | 1.0               | 0.0          | 0.228        | 1.0          | 0.0   | 57.7 | -47.6 | 43.4 | 64.5 | 137 | 0.35  | 1.0 | 0.0   |  |  |  |
| 126        | 130        | 138        | 0.333            | 1.0 | 0.0   | 63.1                        | -38.1 | 51.8 | 64.3              | 126                         | 0.301 | 1.0 | 0.0               | 61.3              | -41.3 | 49.3 | 64.4                        | 130 | 0.333 | 1.0               | 0.0          | 0.214        | 1.0          | 0.0   | 57.3 | -48.5 | 42.4 | 64.5 | 138 | 0.333 | 1.0 | 0.0   |  |  |  |
| 128        | 131        | 140        | 0.316            | 1.0 | 0.0   | 62.1                        | -39.8 | 50.5 | 64.3              | 128                         | 0.293 | 1.0 | 0.0               | 60.8              | -42.2 | 48.6 | 64.4                        | 131 | 0.317 | 1.0               | 0.0          | 0.201        | 1.0          | 0.0   | 56.8 | -49.3 | 41.4 | 64.5 | 140 | 0.317 | 1.0 | 0.0   |  |  |  |
| 130        | 132        | 141        | 0.3              | 1.0 | 0.0   | 61.2                        | -41.5 | 49.2 | 64.4              | 130                         | 0.284 | 1.0 | 0.0               | 60.4              | -43.0 | 47.9 | 64.4                        | 132 | 0.3   | 1.0               | 0.0          | 0.187        | 1.0          | 0.0   | 56.3 | -50.2 | 40.3 | 64.4 | 141 | 0.3   | 1.0 | 0.0   |  |  |  |
| 132        | 133        | 142        | 0.283            | 1.0 | 0.0   | 60.3                        | -43.1 | 47.8 | 64.4              | 132                         | 0.275 | 1.0 | 0.0               | 59.9              | -43.9 | 47.2 | 64.5                        | 133 | 0.283 | 1.0               | 0.0          | 0.173        | 1.0          | 0.0   | 55.9 | -51.0 | 39.3 | 64.4 | 142 | 0.283 | 1.0 | 0.0   |  |  |  |
| 133        | 134        | 143        | 0.266            | 1.0 | 0.0   | 59.4                        | -44.7 | 46.4 | 64.4              | 133                         | 0.266 | 1.0 | 0.0               | 59.4              | -44.7 | 46.4 | 64.5                        | 134 | 0.267 | 1.0               | 0.0          | 0.16         | 1.0          | 0.0   | 55.4 | -51.7 | 38.2 | 64.4 | 143 | 0.267 | 1.0 | 0.0   |  |  |  |
| 135        | 135        | 144        | 0.25             | 1.0 | 0.0   | 58.4                        | -46.3 | 44.9 | 64.5              | 135                         | 0.258 | 1.0 | 0.0               | 58.9              | -45.5 | 45.6 | 64.5                        | 135 | 0.25  | 1.0               | 0.0          | 0.146        | 1.0          | 0.0   | 54.9 | -52.5 | 37.2 | 64.4 | 144 | 0.25  | 1.0 | 0.0   |  |  |  |
| 137        | 136        | 145        | 0.233            | 1.0 | 0.0   | 57.9                        | -47.3 | 43.7 | 64.5              | 137                         | 0.248 | 1.0 | 0.0               | 58.4              | -46.3 | 44.8 | 64.5                        | 136 | 0.233 | 1.0               | 0.0          | 0.132        | 1.0          | 0.0   | 54.5 | -53.2 | 36.1 | 64.4 | 145 | 0.233 | 1.0 | 0.0   |  |  |  |
| 138        | 137        | 147        | 0.216            | 1.0 | 0.0   | 57.3                        | -48.4 | 42.5 | 64.4              | 138                         | 0.237 | 1.0 | 0.0               | 58.0              | -47.1 | 44.0 | 64.5                        | 137 | 0.217 | 1.0               | 0.0          | 0.119        | 1.0          | 0.0   | 54.0 | -54.2 | 35.2 | 64.7 | 147 | 0.217 | 1.0 | 0.0   |  |  |  |
| 140        | 138        | 148        | 0.2              | 1.0 | 0.0   | 56.7                        | -49.4 | 41.3 | 64.4              | 140                         | 0.225 | 1.0 | 0.0               | 57.6              | -47.8 | 43.2 | 64.5                        | 138 | 0.2   | 1.0               | 0.0          | 0.105        | 1.0          | 0.0   | 53.5 | -55.5 | 34.4 | 65.4 | 148 | 0.2   | 1.0 | 0.0   |  |  |  |
| 141        | 139        | 149        | 0.183            | 1.0 | 0.0   | 56.2                        | -50.4 | 40.0 | 64.4              | 141                         | 0.213 | 1.0 | 0.0               | 57.2              | -48.6 | 42.3 | 64.5                        | 139 | 0.183 | 1.0               | 0.0          | 0.091        | 1.0          | 0.0   | 53.0 | -56.8 | 33.6 | 66.1 | 149 | 0.183 | 1.0 | 0.0   |  |  |  |
| 142        | 140        | 150        | 0.166            | 1.0 | 0.0   | 55.6                        | -51.4 | 38.7 | 64.4              | 142                         | 0.202 | 1.0 | 0.0               | 56.8              | -49.3 | 41.4 | 64.5                        | 140 | 0.167 | 1.0               | 0.0          | 0.077        | 1.0          | 0.0   | 52.5 | -58.1 | 32.8 | 66.8 | 150 | 0.167 | 1.0 | 0.0   |  |  |  |
| 144        | 141        | 151        | 0.15             | 1.0 | 0.0   | 55.0                        | -52.3 | 37.4 | 64.3              | 144                         | 0.19  | 1.0 | 0.0               | 56.4              | -50.0 | 40.6 | 64.4                        | 141 | 0.15  | 1.0               | 0.0          | 0.063        | 1.0          | 0.0   | 52.0 | -59.4 | 32.0 | 67.5 | 151 | 0.15  | 1.0 | 0.0   |  |  |  |
| 145        | 142        | 152        | 0.133            | 1.0 | 0.0   | 54.5                        | -53.2 | 36.1 | 64.3              | 145                         | 0.178 | 1.0 | 0.0               | 56.0              | -50.7 | 39.7 | 64.4                        | 142 | 0.133 | 1.0               | 0.0          | 0.049        | 1.0          | 0.0   | 51.5 | -60.6 | 31.1 | 68.2 | 152 | 0.133 | 1.0 | 0.0   |  |  |  |
| 147        | 143        | 154        | 0.116            | 1.0 | 0.0   | 53.9                        | -54.4 | 35.0 | 64.7              | 147                         | 0.166 | 1.0 | 0.0               | 55.6              | -51.3 | 38.8 | 64.4                        | 143 | 0.117 | 1.0               | 0.0          | 0.035        | 1.0          | 0.0   | 51.0 | -61.9 | 30.1 | 68.9 | 154 | 0.117 | 1.0 | 0.0   |  |  |  |
| 148        | 144        | 155        | 0.1              | 1.0 | 0.0   | 53.3                        | -56.0 | 34.1 | 65.6              | 148                         | 0.155 | 1.0 | 0.0               | 55.2              | -52.0 | 37.9 | 64.4                        | 144 | 0.1   | 1.0               | 0.0          | 0.021        | 1.0          | 0.0   | 50.5 | -63.1 | 29.2 | 69.6 | 155 | 0.1   | 1.0 | 0.0   |  |  |  |
| 150        | 145        | 156        | 0.083            | 1.0 | 0.0   | 52.7                        | -57.5 | 33.2 | 66.4              | 150                         | 0.143 | 1.0 | 0.0               | 54.8              | -52.6 | 36.9 | 64.4                        | 145 | 0.083 | 1.0               | 0.0          | 0.007        | 1.0          | 0.0   | 50.0 | -64.3 | 28.2 | 70.3 | 156 | 0.083 | 1.0 | 0.0   |  |  |  |
| 151        | 146        | 157        | 0.066            | 1.0 | 0.0   | 52.1                        | -59.1 | 32.1 | 67.3              | 151                         | 0.131 | 1.0 | 0.0               | 54.4              | -53.3 | 36.0 | 64.4                        | 146 | 0.067 | 1.0               | 0.0          | 0.0          | 1.0          | 0.012 | 49.8 | -64.8 | 26.8 | 70.2 | 157 | 0.067 | 1.0 | 0.0   |  |  |  |
| 152        | 147        | 158        | 0.049            | 1.0 | 0.0   | 51.5                        | -60.6 | 31.1 | 68.1              | 152                         | 0.119 | 1.0 | 0.0               | 54.0              | -54.1 | 35.2 | 64.6                        | 147 | 0.05  | 1.0               | 0.0          | 0.0          | 1.0          | 0.037 | 49.9 | -64.3 | 25.1 | 69.1 | 158 | 0.05  | 1.0 | 0.0   |  |  |  |
| 154        | 148        | 159        | 0.033            | 1.0 | 0.0   | 50.9                        | -62.1 | 30.0 | 69.0              | 154                         | 0.108 | 1.0 | 0.0               | 53.6              | -55.2 | 34.6 | 65.2                        | 148 | 0.033 | 1.0               | 0.0          | 0.0          | 1.0          | 0.062 | 50.1 | -63.8 | 23.4 | 68.0 | 159 | 0.033 | 1.0 | 0.0   |  |  |  |
| 155        | 149        | 161        | 0.016            | 1.0 | 0.0   | 50.2                        | -63.6 | 28.8 | 69.8              | 155                         | 0.096 | 1.0 | 0.0               | 53.2              | -56.3 | 33.9 | 65.8                        | 149 | 0.017 | 1.0               | 0.0          | 0.0          | 1.0          | 0.087 | 50.2 | -63.2 | 21.7 | 66.9 | 161 | 0.017 | 1.0 | 0.0   |  |  |  |
| 157        | 150        | 162        | 0.0              | 1.0 | 0.0   | 49.6                        | -65.0 | 27.6 | 70.6              | 157                         | 0.084 | 1.0 | 0.0               | 52.7              | -57.4 | 33.2 | 66.5                        | 150 | 0.0   | 1.0               | 0.0          | 0.0          | 1.0          | 0.112 | 50.4 | -62.6 | 20.1 | 65.8 | 162 | 0.0   | 1.0 | 0.0   |  |  |  |
| 157        | 151        | 163        | 0.0              | 1.0 | 0.016 | 49.7                        | -64.7 | 26.4 | 69.9              | 157                         | 0.072 | 1.0 | 0.0               | 52.3              | -58.5 | 32.5 | 67.1                        | 151 | 0.0   | 1.0               | 0.017        | 0.0          | 1.0          | 0.13  | 50.5 | -62.1 | 18.9 | 65.0 | 163 | 0.0   | 1.0 | 0.017 |  |  |  |
| 158        | 152        | 164        | 0.0              | 1.0 | 0.033 | 49.8                        | -64.4 | 25.3 | 69.2              | 158                         | 0.06  | 1.0 | 0.0               | 51.9              | -59.6 | 31.8 | 67.7                        | 152 | 0.0   | 1.0               | 0.033        | 0.0          | 1.0          | 0.145 | 50.6 | -61.8 | 17.7 | 64.3 | 164 | 0.0   | 1.0 | 0.033 |  |  |  |
| 159        | 153        | 164        | 0.0              | 1.0 | 0.05  | 50.0                        | -64.1 | 24.1 | 68.5              | 159                         | 0.048 |     |                   |                   |       |      |                             |     |       |                   |              |              |              |       |      |       |      |      |     |       |     |       |  |  |  |

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGCBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;

Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 32.6, 94.4, 157.0, 233.3, 303.9, 359.5$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

1-0031231-L0

SE170-70

LAB\*la0, YN=0%, XYZnw=3.5, 4.0, 6.0, 86.2, 91.2, 96.3, LAB\*nw=23.6, 0.0, 0.0, 96.5, 0.0, 0.0

Output: Offset standard print; separation cmy0\*, D65, page 13/33

TUB-test chart SE17; 1080 colours, offset standard paper  
48 step hue circles; *rgb-LabCh\** tables, 3D=0, de=0, *cmv*

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmy0_d$

1-0031231-F0

TUB registration: 20130201-SE17/SE17L0NP.PDF /.PS TUB mater application for measurement of offset print output, separationcmy0 (CMY0)

TIJB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGCBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 32.6, 94.4, 157.0, 233.3, 303.9, 359.5$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| Six hue angles of the device colours $RYGCBM_d$ : $h_{ab,d} = 32.6, 94.4, 157.0, 233.3, 303.9, 359.5$ ; Six hue angles of the elementary colours $RYGCBM_e$ : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |                              |                   |                              |                   |                   |                              |                   |              |              |              |       |      |       |       |      |     |       |     |       |     |     |     |       |      |       |       |       |      |       |     |       |       |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|------------------------------|-------------------|------------------------------|-------------------|-------------------|------------------------------|-------------------|--------------|--------------|--------------|-------|------|-------|-------|------|-----|-------|-----|-------|-----|-----|-----|-------|------|-------|-------|-------|------|-------|-----|-------|-------|-----|
| $h_{ab,d}$                                                                                                                                                                                                        | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{ddx361Mi}$ (x=LabCh) | $rgb^*_{ds361Mi}$ | $LAB^*_{dsx361Mi}$ (x=LabCh) | $rgb^*_{dd361Mi}$ | $rgb^*_{de361Mi}$ | $LAB^*_{dex361Mi}$ (x=LabCh) | $rgb^*_{dd361Mi}$ | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |       |      |       |       |      |     |       |     |       |     |     |     |       |      |       |       |       |      |       |     |       |       |     |
| 233                                                                                                                                                                                                               | 210        | 216        | 0.0              | 1.0                          | 1.0               | 57.0                         | -29.7             | -39.8             | 49.7                         | 233               | $C_d$        | 0.0          | 1.0          | 0.686 | 54.8 | -41.0 | -23.6 | 47.4 | 210 | $C_s$ | 0.0 | 1.0   | 1.0 | 0.0 | 1.0 | 0.767 | 55.5 | -37.7 | -28.4 | 47.4  | 216  | $C_e$ | 0.0 | 1.0   | 1.0   |     |
| 233                                                                                                                                                                                                               | 211        | 217        | 0.0              | 0.983                        | 1.0               | 56.6                         | -29.1             | -39.9             | 49.4                         | 233               |              | 0.0          | 1.0          | 0.697 | 54.9 | -40.5 | -24.3 | 47.4 | 211 |       | 0.0 | 0.983 | 1.0 | 0.0 | 1.0 | 0.78  | 55.5 | -37.3 | -29.0 | 47.4  | 217  |       | 0.0 | 0.983 | 1.0   |     |
| 234                                                                                                                                                                                                               | 212        | 218        | 0.0              | 0.966                        | 1.0               | 56.2                         | -28.4             | -39.9             | 49.0                         | 234               |              | 0.0          | 1.0          | 0.708 | 55.0 | -40.1 | -25.0 | 47.3 | 212 |       | 0.0 | 0.967 | 1.0 | 0.0 | 1.0 | 0.792 | 55.6 | -36.9 | -29.7 | 47.5  | 218  |       | 0.0 | 0.967 | 1.0   |     |
| 235                                                                                                                                                                                                               | 213        | 219        | 0.0              | 0.95                         | 1.0               | 55.9                         | -27.8             | -39.9             | 48.7                         | 235               |              | 0.0          | 1.0          | 0.72  | 55.1 | -39.6 | -25.7 | 47.3 | 213 |       | 0.0 | 0.95  | 1.0 | 0.0 | 1.0 | 0.805 | 55.7 | -36.5 | -30.3 | 47.6  | 219  |       | 0.0 | 0.95  | 1.0   |     |
| 235                                                                                                                                                                                                               | 214        | 220        | 0.0              | 0.933                        | 1.0               | 55.5                         | -27.2             | -39.9             | 48.3                         | 235               |              | 0.0          | 1.0          | 0.731 | 55.2 | -39.1 | -26.3 | 47.3 | 214 |       | 0.0 | 0.933 | 1.0 | 0.0 | 1.0 | 0.817 | 55.8 | -36.1 | -31.0 | 47.7  | 220  |       | 0.0 | 0.933 | 1.0   |     |
| 236                                                                                                                                                                                                               | 215        | 221        | 0.0              | 0.916                        | 1.0               | 55.1                         | -26.6             | -39.9             | 48.0                         | 236               |              | 0.0          | 1.0          | 0.742 | 55.3 | -38.6 | -27.0 | 47.2 | 215 |       | 0.0 | 0.917 | 1.0 | 0.0 | 1.0 | 0.83  | 55.9 | -35.7 | -31.6 | 47.8  | 221  |       | 0.0 | 0.917 | 1.0   |     |
| 236                                                                                                                                                                                                               | 216        | 222        | 0.0              | 0.9                          | 1.0               | 54.8                         | -26.0             | -39.9             | 47.6                         | 236               |              | 0.0          | 1.0          | 0.754 | 55.4 | -38.1 | -27.7 | 47.3 | 216 |       | 0.0 | 0.9   | 1.0 | 0.0 | 1.0 | 0.842 | 56.0 | -35.2 | -32.2 | 47.9  | 222  |       | 0.0 | 0.9   | 1.0   |     |
| 237                                                                                                                                                                                                               | 217        | 223        | 0.0              | 0.883                        | 1.0               | 54.4                         | -25.4             | -39.8             | 47.3                         | 237               |              | 0.0          | 1.0          | 0.768 | 55.5 | -37.7 | -28.4 | 47.4 | 217 |       | 0.0 | 0.883 | 1.0 | 0.0 | 1.0 | 0.855 | 56.0 | -34.8 | -32.8 | 48.0  | 223  |       | 0.0 | 0.883 | 1.0   |     |
| 238                                                                                                                                                                                                               | 218        | 224        | 0.0              | 0.866                        | 1.0               | 54.0                         | -24.7             | -39.8             | 46.9                         | 238               |              | 0.0          | 1.0          | 0.781 | 55.6 | -37.3 | -29.1 | 47.5 | 218 |       | 0.0 | 0.867 | 1.0 | 0.0 | 1.0 | 0.867 | 56.1 | -34.3 | -33.5 | 48.1  | 224  |       | 0.0 | 0.867 | 1.0   |     |
| 238                                                                                                                                                                                                               | 219        | 225        | 0.0              | 0.85                         | 1.0               | 53.6                         | -24.0             | -39.9             | 46.5                         | 238               |              | 0.0          | 1.0          | 0.795 | 55.6 | -36.9 | -29.8 | 47.5 | 219 |       | 0.0 | 0.85  | 1.0 | 0.0 | 1.0 | 0.88  | 56.2 | -33.9 | -34.1 | 48.2  | 225  |       | 0.0 | 0.85  | 1.0   |     |
| 239                                                                                                                                                                                                               | 220        | 226        | 0.0              | 0.833                        | 1.0               | 53.1                         | -23.3             | -39.9             | 46.2                         | 239               |              | 0.0          | 1.0          | 0.809 | 55.7 | -36.4 | -30.5 | 47.6 | 220 |       | 0.0 | 0.833 | 1.0 | 0.0 | 1.0 | 0.894 | 56.3 | -33.4 | -34.8 | 48.4  | 226  |       | 0.0 | 0.833 | 1.0   |     |
| 240                                                                                                                                                                                                               | 221        | 227        | 0.0              | 0.816                        | 1.0               | 52.7                         | -22.5             | -39.9             | 45.8                         | 240               |              | 0.0          | 1.0          | 0.822 | 55.8 | -35.9 | -31.2 | 47.7 | 221 |       | 0.0 | 0.817 | 1.0 | 0.0 | 1.0 | 0.907 | 56.4 | -33.0 | -35.4 | 48.5  | 227  |       | 0.0 | 0.817 | 1.0   |     |
| 241                                                                                                                                                                                                               | 222        | 227        | 0.0              | 0.8                          | 1.0               | 52.2                         | -21.8             | -39.8             | 45.4                         | 241               |              | 0.0          | 1.0          | 0.836 | 55.9 | -35.5 | -31.9 | 47.8 | 222 |       | 0.0 | 0.8   | 1.0 | 0.0 | 1.0 | 0.921 | 56.5 | -32.5 | -36.1 | 48.7  | 227  |       | 0.0 | 0.8   | 1.0   |     |
| 242                                                                                                                                                                                                               | 223        | 228        | 0.0              | 0.783                        | 1.0               | 51.8                         | -21.1             | -39.8             | 45.1                         | 242               |              | 0.0          | 1.0          | 0.85  | 56.0 | -35.0 | -32.6 | 47.9 | 223 |       | 0.0 | 0.783 | 1.0 | 0.0 | 1.0 | 0.934 | 56.6 | -32.1 | -36.7 | 48.9  | 228  |       | 0.0 | 0.783 | 1.0   |     |
| 242                                                                                                                                                                                                               | 224        | 229        | 0.0              | 0.766                        | 1.0               | 51.3                         | -20.4             | -39.8             | 44.7                         | 242               |              | 0.0          | 1.0          | 0.863 | 56.1 | -34.5 | -33.3 | 48.0 | 224 |       | 0.0 | 0.767 | 1.0 | 0.0 | 1.0 | 0.948 | 56.7 | -31.6 | -37.4 | 49.1  | 229  |       | 0.0 | 0.767 | 1.0   |     |
| 243                                                                                                                                                                                                               | 225        | 230        | 0.0              | 0.75                         | 1.0               | 50.9                         | -19.7             | -39.7             | 44.3                         | 243               |              | 0.0          | 1.0          | 0.877 | 56.2 | -33.9 | -33.9 | 48.2 | 225 |       | 0.0 | 0.75  | 1.0 | 0.0 | 1.0 | 0.961 | 56.8 | -31.1 | -38.0 | 49.3  | 230  |       | 0.0 | 0.75  | 1.0   |     |
| 244                                                                                                                                                                                                               | 226        | 231        | 0.0              | 0.733                        | 1.0               | 50.4                         | -19.0             | -39.7             | 44.0                         | 244               |              | 0.0          | 1.0          | 0.892 | 56.3 | -33.5 | -34.7 | 48.3 | 226 |       | 0.0 | 0.733 | 1.0 | 0.0 | 1.0 | 0.975 | 56.8 | -30.6 | -38.6 | 49.4  | 231  |       | 0.0 | 0.733 | 1.0   |     |
| 245                                                                                                                                                                                                               | 227        | 232        | 0.0              | 0.716                        | 1.0               | 50.0                         | -18.3             | -39.7             | 43.7                         | 245               |              | 0.0          | 1.0          | 0.907 | 56.4 | -33.0 | -35.4 | 48.5 | 227 |       | 0.0 | 0.717 | 1.0 | 0.0 | 1.0 | 0.988 | 56.9 | -30.1 | -39.3 | 49.6  | 232  |       | 0.0 | 0.717 | 1.0   |     |
| 246                                                                                                                                                                                                               | 228        | 233        | 0.0              | 0.7                          | 1.0               | 49.6                         | -17.5             | -39.7             | 43.4                         | 246               |              | 0.0          | 1.0          | 0.922 | 56.5 | -32.5 | -36.1 | 48.7 | 228 |       | 0.0 | 0.7   | 1.0 | 0.0 | 1.0 | 0.997 | 1.0  | 57.0  | -29.5 | -39.8 | 49.7 | 233   |     | 0.0   | 0.7   | 1.0 |
| 246                                                                                                                                                                                                               | 229        | 234        | 0.0              | 0.683                        | 1.0               | 49.1                         | -16.8             | -39.6             | 43.1                         | 246               |              | 0.0          | 1.0          | 0.936 | 56.6 | -32.0 | -36.8 | 48.9 | 229 |       | 0.0 | 0.683 | 1.0 | 0.0 | 1.0 | 0.971 | 1.0  | 56.4  | -28.6 | -39.8 | 49.2 | 234   |     | 0.0   | 0.683 | 1.0 |
| 247                                                                                                                                                                                                               | 230        | 235        | 0.0              | 0.666                        | 1.0               | 48.7                         | -16.1             | -39.6             | 42.8                         | 247               |              | 0.0          | 1.0          | 0.951 | 56.7 | -31.5 | -37.5 | 49.1 | 230 |       | 0.0 | 0.667 | 1.0 | 0.0 | 1.0 | 0.946 | 1.0  | 55.8  | -27.6 | -39.8 | 48.6 | 235   |     | 0.0   | 0.667 | 1.0 |
| 248                                                                                                                                                                                                               | 231        | 236        | 0.0              | 0.65                         | 1.0               | 48.2                         | -15.4             | -39.5             | 42.4                         | 248               |              | 0.0          | 1.0          | 0.966 | 56.8 | -30.9 | -38.2 | 49.3 | 231 |       | 0.0 | 0.65  | 1.0 | 0.0 | 1.0 | 0.92  | 1.0  | 55.3  | -26.7 | -39.8 | 48.1 | 236   |     | 0.0   | 0.65  | 1.0 |
| 249                                                                                                                                                                                                               | 232        | 237        | 0.0              | 0.633                        | 1.0               | 47.8                         | -14.7             | -39.5             | 42.1                         | 249               |              | 0.0          | 1.0          | 0.981 | 56.9 | -30.4 | -38.9 | 49.5 | 232 |       | 0.0 | 0.633 | 1.0 | 0.0 | 1.0 | 0.895 | 1.0  | 54.7  | -25.8 | -39.8 | 47.6 | 237   |     | 0.0   | 0.633 | 1.0 |
| 250                                                                                                                                                                                                               | 233        | 237        | 0.0              | 0.616                        | 1.0               | 47.3                         | -13.8             | -39.5             | 41.8                         | 250               |              | 0.0          | 1.0          | 0.996 | 57.0 | -29.8 | -39.6 | 49.7 | 233 |       | 0.0 | 0.617 | 1.0 | 0.0 | 1.0 | 0.871 | 1.0  | 54.2  | -24.8 | -39.8 | 47.0 | 237   |     | 0.0   | 0.617 | 1.0 |
| 252                                                                                                                                                                                                               | 234        | 238        | 0.0              | 0.6                          | 1.0               | 46.7                         | -12.7             | -39.5             | 41.5                         | 252               |              | 0.0          | 0.98         | 1.0   | 56.6 | -28.9 | -39.8 | 49.4 | 234 |       | 0.0 | 0.6   | 1.0 | 0.0 | 1.0 | 0.851 | 1.0  | 53.6  | -24.0 | -39.8 | 46.6 | 238   |     | 0.0   | 0.6   | 1.0 |
| 253                                                                                                                                                                                                               | 235        | 239        | 0.0              | 0.583                        | 1.0               | 46.1                         | -11.6             | -39.6             | 41.2                         | 253               |              | 0.0          | 0.952        | 1.0   | 56.0 | -27.9 | -39.8 | 48.8 | 235 |       | 0.0 | 0.583 | 1.0 | 0.0 | 1.0 | 0.831 | 1.0  | 53.1  | -23.1 | -39.8 | 46.2 | 239   |     | 0.0   | 0.583 | 1.0 |
| 255                                                                                                                                                                                                               | 236        | 240        | 0.0              | 0.566                        | 1.0               | 45.5                         | -10.5             | -39.6             | 40.9                         | 255               |              | 0.0          | 0.924        | 1.0   | 55.4 | -26.8 | -39.8 | 48.2 | 236 |       | 0.0 | 0.567 | 1.0 | 0.0 | 1.0 | 0.812 | 1.0  | 52.6  | -22.3 | -39.8 | 45.7 | 240   |     | 0.0   | 0.567 | 1.0 |
| 256                                                                                                                                                                                                               | 237        | 241        | 0.0              | 0.55                         | 1.0               | 44.9                         | -9.5              | -39.5             | 40.7                         | 256               |              | 0.0          | 0.897        | 1.0   | 54.7 | -25.8 | -39.8 | 47.6 | 237 |       | 0.0 | 0.55  | 1.0 | 0.0 | 1.0 | 0.792 | 1.0  | 52.0  | -21.4 | -39.8 | 45.3 | 241   |     | 0.0   | 0.55  | 1.0 |
| 257                                                                                                                                                                                                               | 238        | 242        | 0.0              | 0.533                        | 1.0               | 44.3                         | -8.4              | -39.5             | 40.4                         | 257               |              | 0.0          | 0.87         | 1.0   | 54.1 | -24.8 | -39.8 | 47.0 | 238 |       | 0.0 | 0.533 | 1.0 | 0.0 | 1.0 | 0.772 | 1.0  | 51.5  | -20.6 | -39.7 | 44.9 | 242   |     | 0.0   | 0.533 | 1.0 |
| 259                                                                                                                                                                                                               | 239        | 243        | 0.0              | 0.516                        | 1.0               | 43.7                         | -7.3              | -39.4             | 40.1                         | 259               |              | 0.0          | 0.848        | 1.0   | 53.6 | -23.9 | -39.8 | 46.6 | 239 |       | 0.0 | 0.517 | 1.0 | 0.0 | 1.0 | 0.753 | 1.0  | 51.0  | -19.8 | -39.7 | 44.4 | 243   |     | 0.0   | 0.517 | 1.0 |
| 260                                                                                                                                                                                                               | 240        | 244        | 0.0              | 0.5                          | 1.0               | 43.1                         | -6.3              | -39.3             | 39.8                         | 260               |              | 0.0          | 0.827        | 1.0   | 53.0 | -22.9 | -39.8 | 46.1 | 240 |       | 0.0 | 0.5   | 1.0 | 0.0 | 1.0 | 0.734 | 1.0  | 50.5  | -19.0 | -39.7 | 44.1 | 244   |     | 0.0   | 0.5   | 1.0 |
| 262                                                                                                                                                                                                               | 241        | 245        | 0.0              | 0.483                        | 1.0               | 42.5                         | -5.2              | -39.3             | 39.7                         | 262               |              | 0.0          | 0.805        | 1.0   | 52.4 | -22.0 | -39.8 | 45.6 | 241 |       | 0.0 | 0.483 | 1.0 | 0.0 | 1.0 | 0.717 | 1.0  | 50.1  | -18.2 | -39.6 | 43.8 | 245   |     | 0.0   | 0.483 | 1.0 |
| 263                                                                                                                                                                                                               | 242        | 246        | 0.0              | 0.466                        | 1.0               | 41.9                         |                   |                   |                              |                   |              |              |              |       |      |       |       |      |     |       |     |       |     |     |     |       |      |       |       |       |      |       |     |       |       |     |

Colorimetric system Offset standard print; separation cmY0\*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>S</sub>:  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;

Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 32.6, 94.4, 157.0, 233.3, 303.9, 359.5$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $r_{gb}^*_{dd361M}$ |     |     |       |       |     |      |      |       |      | $LAB^*_{ddx361Mi} (x=LabCh)$ |       |       |     |      |       |       |       |      |       | $r_{gb}^*_{ds361Mi}$ |     |     |       |       |       |      |       |       |       | $LAB^*_{dsx361Mi} (x=LabCh)$ |       |       |     |     |     |  |  |  |  | $r_{gb}^*_{dd361Mi}$ |  |  |  |  |  |  |  |  |  | $r_{gb}^*_{de361Mi}$ |  |  |  |  |  |  |  |  |  | $LAB^*_{dex361Mi} (x=LabCh)$ |  |  |  |  |  |  |  |  |  | $r_{gb}^*_{dd361Mi}$ |  |  |  |  |  |  |  |  |  |
|---------------------|-----|-----|-------|-------|-----|------|------|-------|------|------------------------------|-------|-------|-----|------|-------|-------|-------|------|-------|----------------------|-----|-----|-------|-------|-------|------|-------|-------|-------|------------------------------|-------|-------|-----|-----|-----|--|--|--|--|----------------------|--|--|--|--|--|--|--|--|--|----------------------|--|--|--|--|--|--|--|--|--|------------------------------|--|--|--|--|--|--|--|--|--|----------------------|--|--|--|--|--|--|--|--|--|
| 284                 | 255 | 258 | 0.0   | 0.25  | 1.0 | 34.1 | 9.8  | -38.8 | 40.0 | 284                          | 0.0   | 0.567 | 1.0 | 45.6 | -10.5 | -39.5 | 41.0  | 255  | 0.0   | 0.25                 | 1.0 | 0.0 | 0.532 | 1.0   | 44.3  | -8.3 | -39.4 | 40.4  | 258   | 0.0                          | 0.25  | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 285                 | 256 | 258 | 0.0   | 0.233 | 1.0 | 33.5 | 10.9 | -38.9 | 40.4 | 285                          | 0.0   | 0.556 | 1.0 | 45.1 | -9.8  | -39.5 | 40.8  | 256  | 0.0   | 0.233                | 1.0 | 0.0 | 0.522 | 1.0   | 43.9  | -7.6 | -39.4 | 40.2  | 258   | 0.0                          | 0.233 | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 287                 | 257 | 259 | 0.0   | 0.216 | 1.0 | 32.9 | 12.1 | -39.0 | 40.8 | 287                          | 0.0   | 0.544 | 1.0 | 44.7 | -9.0  | -39.5 | 40.6  | 257  | 0.0   | 0.217                | 1.0 | 0.0 | 0.511 | 1.0   | 43.5  | -6.9 | -39.3 | 40.0  | 259   | 0.0                          | 0.217 | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 288                 | 258 | 260 | 0.0   | 0.2   | 1.0 | 32.2 | 13.2 | -39.0 | 41.2 | 288                          | 0.0   | 0.533 | 1.0 | 44.3 | -8.3  | -39.4 | 40.4  | 258  | 0.0   | 0.2                  | 1.0 | 0.0 | 0.501 | 1.0   | 43.2  | -6.3 | -39.2 | 39.9  | 260   | 0.0                          | 0.2   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 290                 | 259 | 261 | 0.0   | 0.183 | 1.0 | 31.6 | 14.4 | -39.0 | 41.6 | 290                          | 0.0   | 0.521 | 1.0 | 43.9 | -7.6  | -39.4 | 40.2  | 259  | 0.0   | 0.183                | 1.0 | 0.0 | 0.491 | 1.0   | 42.8  | -5.6 | -39.3 | 39.8  | 261   | 0.0                          | 0.183 | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 291                 | 260 | 262 | 0.0   | 0.166 | 1.0 | 31.0 | 15.5 | -39.0 | 42.0 | 291                          | 0.0   | 0.51  | 1.0 | 43.5 | -6.8  | -39.3 | 40.0  | 260  | 0.0   | 0.167                | 1.0 | 0.0 | 0.481 | 1.0   | 42.4  | -5.0 | -39.3 | 39.7  | 262   | 0.0                          | 0.167 | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 293                 | 261 | 263 | 0.0   | 0.15  | 1.0 | 30.4 | 16.7 | -39.0 | 42.4 | 293                          | 0.0   | 0.498 | 1.0 | 43.1 | -6.1  | -39.2 | 39.8  | 261  | 0.0   | 0.15                 | 1.0 | 0.0 | 0.471 | 1.0   | 42.1  | -4.4 | -39.3 | 39.6  | 263   | 0.0                          | 0.15  | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 294                 | 262 | 264 | 0.0   | 0.133 | 1.0 | 29.8 | 17.9 | -38.9 | 42.8 | 294                          | 0.0   | 0.487 | 1.0 | 42.7 | -5.4  | -39.3 | 39.7  | 262  | 0.0   | 0.133                | 1.0 | 0.0 | 0.461 | 1.0   | 41.7  | -3.7 | -39.3 | 39.5  | 264   | 0.0                          | 0.133 | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 296                 | 263 | 265 | 0.0   | 0.116 | 1.0 | 29.2 | 19.0 | -38.9 | 43.3 | 296                          | 0.0   | 0.477 | 1.0 | 42.3 | -4.7  | -39.3 | 39.7  | 263  | 0.0   | 0.117                | 1.0 | 0.0 | 0.451 | 1.0   | 41.3  | -3.1 | -39.2 | 39.5  | 265   | 0.0                          | 0.117 | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 297                 | 264 | 266 | 0.0   | 0.1   | 1.0 | 28.7 | 20.0 | -38.9 | 43.8 | 297                          | 0.0   | 0.466 | 1.0 | 41.9 | -4.0  | -39.3 | 39.6  | 264  | 0.0   | 0.1                  | 1.0 | 0.0 | 0.441 | 1.0   | 41.0  | -2.5 | -39.2 | 39.4  | 266   | 0.0                          | 0.1   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 298                 | 265 | 267 | 0.0   | 0.083 | 1.0 | 28.3 | 20.9 | -39.0 | 44.2 | 298                          | 0.0   | 0.455 | 1.0 | 41.5 | -3.3  | -39.3 | 39.5  | 265  | 0.0   | 0.083                | 1.0 | 0.0 | 0.431 | 1.0   | 40.6  | -1.8 | -39.2 | 39.3  | 267   | 0.0                          | 0.083 | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 299                 | 266 | 268 | 0.0   | 0.066 | 1.0 | 27.8 | 21.9 | -39.0 | 44.7 | 299                          | 0.0   | 0.444 | 1.0 | 41.1 | -2.6  | -39.2 | 39.4  | 266  | 0.0   | 0.067                | 1.0 | 0.0 | 0.421 | 1.0   | 40.2  | -1.2 | -39.1 | 39.2  | 268   | 0.0                          | 0.067 | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 300                 | 267 | 269 | 0.0   | 0.049 | 1.0 | 27.3 | 23.0 | -38.9 | 45.2 | 300                          | 0.0   | 0.433 | 1.0 | 40.7 | -2.0  | -39.2 | 39.3  | 267  | 0.0   | 0.05                 | 1.0 | 0.0 | 0.411 | 1.0   | 39.8  | -0.6 | -39.1 | 39.2  | 269   | 0.0                          | 0.05  | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 301                 | 268 | 269 | 0.0   | 0.033 | 1.0 | 26.8 | 24.0 | -38.9 | 45.7 | 301                          | 0.0   | 0.422 | 1.0 | 40.3 | -1.3  | -39.1 | 39.3  | 268  | 0.0   | 0.033                | 1.0 | 0.0 | 0.401 | 1.0   | 39.5  | 0.0  | -39.0 | 39.1  | 269   | 0.0                          | 0.033 | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 302                 | 269 | 270 | 0.0   | 0.016 | 1.0 | 26.3 | 25.0 | -38.8 | 46.2 | 302                          | 0.0   | 0.411 | 1.0 | 39.8 | -0.6  | -39.1 | 39.2  | 269  | 0.0   | 0.017                | 1.0 | 0.0 | 0.391 | 1.0   | 39.1  | 0.6  | -38.9 | 39.0  | 270   | 0.0                          | 0.017 | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 303                 | 270 | 271 | 0.0   | 0.0   | 1.0 | 25.8 | 26.0 | -38.7 | 46.7 | 303                          | $B_d$ | 0.0   | 0.4 | 1.0  | 39.4  | 0.0   | -39.0 | 39.1 | 270   | $B_s$                | 0.0 | 0.0 | 1.0   | 0.0   | 0.381 | 1.0  | 38.7  | 1.2   | -38.8 | 39.0                         | 271   | $B_e$ | 0.0 | 0.0 | 1.0 |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 305                 | 271 | 272 | 0.016 | 0.0   | 1.0 | 26.2 | 26.9 | -38.3 | 46.8 | 305                          | 0.0   | 0.389 | 1.0 | 39.0 | 0.7   | -38.9 | 39.0  | 271  | 0.0   | 0.017                | 0.0 | 1.0 | 0.0   | 0.371 | 1.0   | 38.4 | 1.8   | -38.8 | 39.0  | 272                          | 0.017 | 0.0   | 1.0 |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 306                 | 272 | 273 | 0.033 | 0.0   | 1.0 | 26.5 | 27.8 | -37.9 | 47.0 | 306                          | 0.0   | 0.378 | 1.0 | 38.6 | 1.4   | -38.8 | 38.9  | 272  | 0.033 | 0.0                  | 1.0 | 0.0 | 0.361 | 1.0   | 38.0  | 2.5  | -38.9 | 39.0  | 273   | 0.033                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 307                 | 273 | 274 | 0.05  | 0.0   | 1.0 | 26.9 | 28.7 | -37.4 | 47.2 | 307                          | 0.0   | 0.367 | 1.0 | 38.3 | 2.0   | -38.8 | 39.0  | 273  | 0.05  | 0.0                  | 1.0 | 0.0 | 0.351 | 1.0   | 37.7  | 3.1  | -38.9 | 39.1  | 274   | 0.05                         | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 308                 | 274 | 275 | 0.066 | 0.0   | 1.0 | 27.2 | 29.6 | -36.9 | 47.3 | 308                          | 0.0   | 0.357 | 1.0 | 37.9 | 2.7   | -38.9 | 39.1  | 274  | 0.067 | 0.0                  | 1.0 | 0.0 | 0.341 | 1.0   | 37.3  | 3.8  | -38.9 | 39.2  | 275   | 0.067                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 309                 | 275 | 276 | 0.083 | 0.0   | 1.0 | 27.5 | 30.5 | -36.4 | 47.5 | 309                          | 0.0   | 0.347 | 1.0 | 37.5 | 3.4   | -38.9 | 39.2  | 275  | 0.083 | 0.0                  | 1.0 | 0.0 | 0.331 | 1.0   | 37.0  | 4.4  | -39.0 | 39.3  | 276   | 0.083                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 311                 | 276 | 277 | 0.1   | 0.0   | 1.0 | 27.9 | 31.3 | -35.9 | 47.6 | 311                          | 0.0   | 0.336 | 1.0 | 37.2 | 4.1   | -39.0 | 39.3  | 276  | 0.1   | 0.0                  | 1.0 | 0.0 | 0.321 | 1.0   | 36.6  | 5.1  | -39.0 | 39.4  | 277   | 0.1                          | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 312                 | 277 | 278 | 0.116 | 0.0   | 1.0 | 28.2 | 32.2 | -35.3 | 47.8 | 312                          | 0.0   | 0.326 | 1.0 | 36.8 | 4.8   | -39.0 | 39.4  | 277  | 0.117 | 0.0                  | 1.0 | 0.0 | 0.311 | 1.0   | 36.3  | 5.8  | -39.0 | 39.5  | 278   | 0.117                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 313                 | 278 | 279 | 0.133 | 0.0   | 1.0 | 28.5 | 33.1 | -34.8 | 48.1 | 313                          | 0.0   | 0.315 | 1.0 | 36.4 | 5.5   | -39.0 | 39.5  | 278  | 0.133 | 0.0                  | 1.0 | 0.0 | 0.302 | 1.0   | 35.9  | 6.4  | -39.0 | 39.6  | 279   | 0.133                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 314                 | 279 | 280 | 0.15  | 0.0   | 1.0 | 28.6 | 34.1 | -34.4 | 48.4 | 314                          | 0.0   | 0.305 | 1.0 | 36.1 | 6.2   | -39.0 | 39.6  | 279  | 0.15  | 0.0                  | 1.0 | 0.0 | 0.292 | 1.0   | 35.6  | 7.1  | -38.9 | 39.7  | 280   | 0.15                         | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 315                 | 280 | 281 | 0.166 | 0.0   | 1.0 | 28.7 | 35.0 | -33.9 | 48.8 | 315                          | 0.0   | 0.294 | 1.0 | 35.7 | 6.9   | -38.9 | 39.7  | 280  | 0.167 | 0.0                  | 1.0 | 0.0 | 0.282 | 1.0   | 35.2  | 7.7  | -38.9 | 39.8  | 281   | 0.167                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 317                 | 281 | 282 | 0.183 | 0.0   | 1.0 | 28.8 | 36.0 | -33.4 | 49.1 | 317                          | 0.0   | 0.284 | 1.0 | 35.3 | 7.6   | -38.9 | 39.7  | 281  | 0.183 | 0.0                  | 1.0 | 0.0 | 0.272 | 1.0   | 34.9  | 8.4  | -38.9 | 39.9  | 282   | 0.183                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 318                 | 282 | 283 | 0.2   | 0.0   | 1.0 | 28.9 | 37.0 | -32.9 | 49.5 | 318                          | 0.0   | 0.274 | 1.0 | 35.0 | 8.3   | -38.9 | 39.8  | 282  | 0.2   | 0.0                  | 1.0 | 0.0 | 0.262 | 1.0   | 34.6  | 9.1  | -38.8 | 39.9  | 283   | 0.2                          | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 319                 | 283 | 284 | 0.216 | 0.0   | 1.0 | 29.0 | 37.9 | -32.3 | 49.8 | 319                          | 0.0   | 0.263 | 1.0 | 34.6 | 9.0   | -38.8 | 39.9  | 283  | 0.217 | 0.0                  | 1.0 | 0.0 | 0.252 | 1.0   | 34.2  | 9.7  | -38.7 | 40.0  | 284   | 0.217                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 320                 | 284 | 285 | 0.233 | 0.0   | 1.0 | 29.1 | 38.9 | -31.7 | 50.2 | 320                          | 0.0   | 0.253 | 1.0 | 34.2 | 9.7   | -38.7 | 40.0  | 284  | 0.233 | 0.0                  | 1.0 | 0.0 | 0.242 | 1.0   | 33.8  | 10.4 | -38.8 | 40.3  | 285   | 0.233                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 322                 | 285 | 285 | 0.25  | 0.0   | 1.0 | 29.2 | 39.8 | -31.1 | 50.6 | 322                          | 0.0   | 0.242 | 1.0 | 33.8 | 10.4  | -38.8 | 40.3  | 285  | 0.25  | 0.0                  | 1.0 | 0.0 | 0.231 | 1.0   | 33.4  | 11.1 | -38.9 | 40.5  | 285   | 0.25                         | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 323                 | 286 | 286 | 0.266 | 0.0   | 1.0 | 29.8 | 41.3 | -30.4 | 51.3 | 323                          | 0.0   | 0.231 | 1.0 | 33.4 | 11.2  | -38.9 | 40.5  | 286  | 0.267 | 0.0                  | 1.0 | 0.0 | 0.221 | 1.0   | 33.0  | 11.9 | -38.9 | 40.8  | 286   | 0.267                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 325                 | 287 | 287 | 0.283 | 0.0   | 1.0 | 30.3 | 42.7 | -29.7 | 52.0 | 325                          | 0.0   | 0.22  | 1.0 | 33.0 | 11.9  | -38.9 | 40.8  | 287  | 0.283 | 0.0                  | 1.0 | 0.0 | 0.21  | 1.0   | 32.7  | 12.6 | -38.9 | 41.0  | 287   | 0.283                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 326                 | 288 | 288 | 0.3   | 0.0   | 1.0 | 30.9 | 44.1 | -28.9 | 52.7 | 326                          | 0.0   | 0.208 | 1.0 | 32.6 | 12.7  | -39.0 | 41.1  | 288  | 0.3   | 0.0                  | 1.0 | 0.0 | 0.199 | 1.0   | 32.3  | 13.3 | -39.0 | 41.3  | 288   | 0.3                          | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 328                 | 289 | 289 | 0.316 | 0.0   | 1.0 | 31.4 | 45.5 | -28.0 | 53.4 | 328                          | 0.0   | 0.197 | 1.0 | 32.2 | 13.5  | -39.0 | 41.3  | 289  | 0.317 | 0.0                  | 1.0 | 0.0 | 0.189 | 1.0   | 31.9  | 14.0 | -39.0 | 41.5  | 289   | 0.317                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 329                 | 290 | 290 | 0.333 | 0.0   | 1.0 | 31.9 | 46.8 | -27.1 | 54.1 | 329                          | 0.0   | 0.186 | 1.0 | 31.8 | 14.2  | -39.0 | 41.6  | 290  | 0.333 | 0.0                  | 1.0 | 0.0 | 0.178 | 1.0   | 31.5  | 14.8 | -39.0 | 41.8  | 290   | 0.333                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 331                 | 291 | 291 | 0.35  | 0.0   | 1.0 | 32.5 | 48.2 | -26.1 | 54.9 | 331                          | 0.0   | 0.175 | 1.0 | 31.4 | 15.0  | -39.0 | 41.9  | 291  | 0.35  | 0.0                  | 1.0 | 0.0 | 0.168 | 1.0   | 31.1  | 15.5 | -39.0 | 42.0  | 291   | 0.35                         | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 333                 | 292 | 292 | 0.366 | 0.0   | 1.0 | 33.0 | 49.6 | -25.1 | 55.6 | 333                          | 0.0   | 0.164 | 1.0 | 31.0 | 15.8  | -39.0 | 42.1  | 292  | 0.367 | 0.0                  | 1.0 | 0.0 | 0.157 | 1.0   | 30.7  | 16.2 | -38.9 | 42.3  | 292   | 0.367                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 334                 | 293 | 293 | 0.383 | 0.0   | 1.0 | 33.5 | 50.6 | -24.3 | 56.2 | 334                          | 0.0   | 0.153 | 1.0 | 30.5 | 16.6  | -38.9 | 42.4  | 293  | 0.383 | 0.0                  | 1.0 | 0.0 | 0.147 | 1.0   | 30.3  | 17.0 | -38.9 | 42.5  | 293   | 0.383                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 335                 | 294 | 294 | 0.4   | 0.0   | 1.0 | 34.0 | 51.5 | -23.7 | 56.7 | 335                          | 0.0   | 0.142 | 1.0 | 30.1 | 17.4  | -38.9 | 42.7  | 294  | 0.4   | 0.0                  | 1.0 | 0.0 | 0.136 | 1.0   | 29.9  | 17.7 | -38.9 | 42.8  | 294   | 0.4                          | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 336                 | 295 | 295 | 0.416 | 0.0   | 1.0 | 34.4 | 52.4 | -23.1 | 57.3 | 336                          | 0.0   | 0.13  | 1.0 | 29.7 | 18.1  | -38.8 | 42.9  | 295  | 0.417 | 0.0                  | 1.0 | 0.0 | 0.126 | 1.0   | 29.6  | 18.5 | -38.8 | 43.1  | 295   | 0.417                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 337                 | 296 | 296 | 0.433 | 0.0   | 1.0 | 34.9 | 53.2 | -22.5 | 57.8 | 337                          | 0.0   | 0.117 | 1.0 | 29.3 | 19.0  | -38.8 | 43.3  | 296  | 0.433 | 0.0                  | 1.0 | 0.0 | 0.112 | 1.0   | 29.1  | 19.3 | -38.8 | 43.5  | 296   | 0.433                        | 0.0   | 1.0   |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |
| 337                 | 297 | 297 | 0.45  | 0.0   | 1.0 | 35.4 | 54.0 | -21.9 | 5    |                              |       |       |     |      |       |       |       |      |       |                      |     |     |       |       |       |      |       |       |       |                              |       |       |     |     |     |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |

|              |          |                                                                                              |
|--------------|----------|----------------------------------------------------------------------------------------------|
| 1-0031431-L0 | SE170-70 | LAB*la0, YN=0%, XYZnw=3.5, 4.0, 6.0, 86.2, 91.2, 96.3, LAB*nw=23.6, 0.0, 0.0, 96.5, 0.0, 0.0 |
|--------------|----------|----------------------------------------------------------------------------------------------|

Output: Offset standard print; separation cmy0\*, D65, page 15/33

TUB-test chart SE17; 1080 colours, offset standard paper  
48 step hue circles; *rgb-LabCh\** tables, 3D=0, de=0, *cmv*

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmy0_d$

~~1-0031531-F0~~

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>s</sub>:  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;

Six hue angles of the device colours RYGBM<sub>d</sub>:  $h_{ab,d} = 32.6, 94.4, 157.0, 233.3, 303.9, 359.5$ ; Six hue angles of the elementary colours RYGBM<sub>e</sub>:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*$ dd361M | LAB*<br>ddx361Mi (x=LabCh)    | $rgb^*$ ds361Mi | LAB*<br>dsx361Mi (x=LabCh)    | $rgb^*$ dd361Mi   | $rgb^*$ de361Mi | LAB*<br>dex361Mi (x=LabCh)    | $rgb^*$ dd361Mi   | $rgb^*$ de361Mi |
|------------|------------|------------|----------------|-------------------------------|-----------------|-------------------------------|-------------------|-----------------|-------------------------------|-------------------|-----------------|
| 365        | 345        | 342        | 1.0 0.0        | 0.75 46.9 76.3 7.8 76.7 365   | 0.569 0.0 1.0   | 38.1 61.0 -16.3 63.2 345      | 1.0 0.0 0.75      | 0.535 0.0 1.0   | 37.5 58.8 -18.1 61.6 342      | 1.0 0.0 0.75      |                 |
| 366        | 346        | 343        | 1.0 0.0        | 0.733 46.9 76.2 8.5 76.7 366  | 0.585 0.0 1.0   | 38.4 62.0 -15.4 63.9 346      | 1.0 0.0 0.733     | 0.55 0.0 1.0    | 37.7 59.8 -17.3 62.3 343      | 1.0 0.0 0.733     |                 |
| 366        | 347        | 344        | 1.0 0.0        | 0.716 46.9 76.0 9.3 76.6 366  | 0.601 0.0 1.0   | 38.7 63.0 -14.4 64.7 347      | 1.0 0.0 0.717     | 0.565 0.0 1.0   | 38.0 60.8 -16.5 63.0 344      | 1.0 0.0 0.717     |                 |
| 367        | 348        | 345        | 1.0 0.0        | 0.7 46.9 75.9 10.0 76.5 367   | 0.617 0.0 1.0   | 39.0 64.0 -13.5 65.4 348      | 1.0 0.0 0.7       | 0.58 0.0 1.0    | 38.3 61.7 -15.7 63.7 345      | 1.0 0.0 0.7       |                 |
| 368        | 349        | 346        | 1.0 0.0        | 0.683 46.9 75.7 10.7 76.5 368 | 0.639 0.0 1.0   | 39.6 65.1 -12.6 66.3 349      | 1.0 0.0 0.683     | 0.595 0.0 1.0   | 38.6 62.6 -14.8 64.4 346      | 1.0 0.0 0.683     |                 |
| 368        | 350        | 347        | 1.0 0.0        | 0.666 46.9 75.5 11.4 76.4 368 | 0.666 0.0 1.0   | 40.3 66.3 -11.6 67.3 350      | 1.0 0.0 0.667     | 0.61 0.0 1.0    | 38.9 63.6 -13.9 65.1 347      | 1.0 0.0 0.667     |                 |
| 369        | 351        | 348        | 1.0 0.0        | 0.65 46.9 75.3 12.1 76.3 369  | 0.692 0.0 1.0   | 41.1 67.5 -10.6 68.4 351      | 1.0 0.0 0.65      | 0.625 0.0 1.0   | 39.2 64.5 -13.0 65.8 348      | 1.0 0.0 0.65      |                 |
| 369        | 352        | 349        | 1.0 0.0        | 0.633 46.9 75.2 12.9 76.3 369 | 0.719 0.0 1.0   | 41.9 68.7 -9.6 69.4 352       | 1.0 0.0 0.633     | 0.651 0.0 1.0   | 39.9 65.6 -12.1 66.8 349      | 1.0 0.0 0.633     |                 |
| 370        | 353        | 350        | 1.0 0.0        | 0.616 46.9 75.0 13.6 76.2 370 | 0.746 0.0 1.0   | 42.7 69.9 -8.5 70.4 353       | 1.0 0.0 0.617     | 0.677 0.0 1.0   | 40.7 66.8 -11.2 67.7 350      | 1.0 0.0 0.617     |                 |
| 370        | 354        | 351        | 1.0 0.0        | 0.6 46.9 74.9 14.4 76.3 370   | 0.787 0.0 1.0   | 43.6 71.2 -7.4 71.6 354       | 1.0 0.0 0.6       | 0.702 0.0 1.0   | 41.4 67.9 -10.2 68.7 351      | 1.0 0.0 0.6       |                 |
| 371        | 355        | 352        | 1.0 0.0        | 0.583 46.8 74.7 15.1 76.3 371 | 0.83 0.0 1.0    | 44.5 72.5 -6.2 72.8 355       | 1.0 0.0 0.583     | 0.728 0.0 1.0   | 42.1 69.1 -9.2 69.7 352       | 1.0 0.0 0.583     |                 |
| 372        | 356        | 353        | 1.0 0.0        | 0.566 46.8 74.6 15.9 76.3 372 | 0.874 0.0 1.0   | 45.4 73.8 -5.1 74.0 356       | 1.0 0.0 0.567     | 0.755 0.0 1.0   | 42.9 70.2 -8.2 70.7 353       | 1.0 0.0 0.567     |                 |
| 372        | 357        | 354        | 1.0 0.0        | 0.55 46.8 74.5 16.7 76.3 372  | 0.91 0.0 1.0    | 45.9 75.2 -3.8 75.3 357       | 1.0 0.0 0.55      | 0.796 0.0 1.0   | 43.7 71.5 -7.2 71.8 354       | 1.0 0.0 0.55      |                 |
| 373        | 358        | 355        | 1.0 0.0        | 0.533 46.8 74.3 17.4 76.3 373 | 0.945 0.0 1.0   | 46.4 76.4 -2.6 76.5 358       | 1.0 0.0 0.533     | 0.837 0.0 1.0   | 44.6 72.7 -6.1 73.0 355       | 1.0 0.0 0.533     |                 |
| 373        | 359        | 356        | 1.0 0.0        | 0.516 46.8 74.1 18.2 76.3 373 | 0.981 0.0 1.0   | 46.9 77.7 -1.3 77.7 359       | 1.0 0.0 0.517     | 0.877 0.0 1.0   | 45.5 74.0 -4.9 74.1 356       | 1.0 0.0 0.517     |                 |
| 374        | 360        | 352        | 1.0 0.0        | 0.5 46.7 74.0 19.0 76.4 374   | 1.0 0.0         | 0.981 47.2 78.2 0.0 78.2 360  | 1.0 0.0 0.5       | 0.721 0.0 1.0   | 41.9 68.8 -9.5 69.4 352       | 1.0 0.0 0.5       |                 |
| 375        | 361        | 353        | 1.0 0.0        | 0.483 46.8 73.8 19.9 76.4 375 | 1.0 0.0         | 0.94 47.2 77.9 1.4 77.9 361   | 1.0 0.0 0.483     | 0.752 0.0 1.0   | 42.8 70.1 -8.3 70.6 353       | 1.0 0.0 0.483     |                 |
| 375        | 362        | 354        | 1.0 0.0        | 0.466 46.8 73.6 20.7 76.5 375 | 1.0 0.0         | 0.9 47.1 77.6 2.7 77.7 362    | 1.0 0.0 0.467     | 0.8 0.0 1.0     | 43.8 71.6 -7.1 71.9 354       | 1.0 0.0 0.467     |                 |
| 376        | 363        | 355        | 1.0 0.0        | 0.45 46.8 73.4 21.6 76.5 376  | 1.0 0.0         | 0.86 47.1 77.3 4.1 77.4 363   | 1.0 0.0 0.45      | 0.848 0.0 1.0   | 44.9 73.1 -5.8 73.3 355       | 1.0 0.0 0.45      |                 |
| 377        | 364        | 356        | 1.0 0.0        | 0.433 46.8 73.2 22.5 76.6 377 | 1.0 0.0         | 0.822 47.0 77.0 5.4 77.2 364  | 1.0 0.0 0.433     | 0.892 0.0 1.0   | 45.7 74.5 -4.4 74.7 356       | 1.0 0.0 0.433     |                 |
| 377        | 365        | 357        | 1.0 0.0        | 0.416 46.8 73.0 23.4 76.7 377 | 1.0 0.0         | 0.784 47.0 76.7 6.7 77.0 365  | 1.0 0.0 0.417     | 0.932 0.0 1.0   | 46.3 76.0 -3.0 76.0 357       | 1.0 0.0 0.417     |                 |
| 378        | 366        | 358        | 1.0 0.0        | 0.4 46.8 72.8 24.3 76.7 378   | 1.0 0.0         | 0.746 47.0 76.3 8.0 76.8 366  | 1.0 0.0 0.4       | 0.972 0.0 1.0   | 46.8 77.4 -1.6 77.4 358       | 1.0 0.0 0.4       |                 |
| 379        | 367        | 359        | 1.0 0.0        | 0.383 46.9 72.5 25.1 76.8 379 | 1.0 0.0         | 0.716 47.0 76.1 9.3 76.6 367  | 1.0 0.0 0.383     | 1.0 0.0         | 0.987 47.2 78.3 -0.1 78.3 359 | 1.0 0.0 0.383     |                 |
| 379        | 368        | 360        | 1.0 0.0        | 0.366 46.8 72.4 26.0 76.9 379 | 1.0 0.0         | 0.686 47.0 75.8 10.6 76.5 368 | 1.0 0.0 0.367     | 1.0 0.0         | 0.941 47.2 77.9 1.3 77.9 360  | 1.0 0.0 0.367     |                 |
| 380        | 369        | 362        | 1.0 0.0        | 0.35 46.8 72.3 27.0 77.2 380  | 1.0 0.0         | 0.656 46.9 75.5 12.0 76.4 369 | 1.0 0.0 0.35      | 1.0 0.0         | 0.896 47.1 77.6 2.8 77.6 362  | 1.0 0.0 0.35      |                 |
| 381        | 370        | 363        | 1.0 0.0        | 0.333 46.8 72.2 27.9 77.4 381 | 1.0 0.0         | 0.625 46.9 75.1 13.2 76.3 370 | 1.0 0.0 0.333     | 1.0 0.0         | 0.853 47.1 77.2 4.3 77.4 363  | 1.0 0.0 0.333     |                 |
| 381        | 371        | 364        | 1.0 0.0        | 0.316 46.7 72.1 28.8 77.7 381 | 1.0 0.0         | 0.597 46.9 74.9 14.6 76.3 371 | 1.0 0.0 0.317     | 1.0 0.0         | 0.81 47.0 76.9 5.8 77.1 364   | 1.0 0.0 0.317     |                 |
| 382        | 372        | 365        | 1.0 0.0        | 0.3 46.7 72.0 29.7 77.9 382   | 1.0 0.0         | 0.569 46.9 74.7 15.9 76.3 372 | 1.0 0.0 0.3       | 1.0 0.0         | 0.767 47.0 76.5 7.3 76.9 365  | 1.0 0.0 0.3       |                 |
| 383        | 373        | 366        | 1.0 0.0        | 0.283 46.7 71.9 30.7 78.2 383 | 1.0 0.0         | 0.54 46.8 74.4 17.2 76.4 373  | 1.0 0.0 0.283     | 1.0 0.0         | 0.73 47.0 76.2 8.7 76.7 366   | 1.0 0.0 0.283     |                 |
| 383        | 374        | 367        | 1.0 0.0        | 0.266 46.6 71.8 31.6 78.4 383 | 1.0 0.0         | 0.512 46.8 74.1 18.5 76.4 374 | 1.0 0.0 0.267     | 1.0 0.0         | 0.696 47.0 75.9 10.2 76.6 367 | 1.0 0.0 0.267     |                 |
| 384        | 375        | 368        | 1.0 0.0        | 0.25 46.6 71.6 32.5 78.7 384  | 1.0 0.0         | 0.485 46.8 73.9 19.8 76.5 375 | 1.0 0.0 0.25      | 1.0 0.0         | 0.663 47.0 75.5 11.7 76.4 368 | 1.0 0.0 0.25      |                 |
| 384        | 376        | 369        | 1.0 0.0        | 0.233 46.6 71.6 33.3 79.0 384 | 1.0 0.0         | 0.461 46.8 73.6 21.1 76.6 376 | 1.0 0.0 0.233     | 1.0 0.0         | 0.629 46.9 75.2 13.1 76.3 369 | 1.0 0.0 0.233     |                 |
| 385        | 377        | 370        | 1.0 0.0        | 0.216 46.6 71.5 34.2 79.3 385 | 1.0 0.0         | 0.436 46.9 73.3 22.4 76.6 377 | 1.0 0.0 0.217     | 1.0 0.0         | 0.597 46.9 74.9 14.6 76.3 370 | 1.0 0.0 0.217     |                 |
| 386        | 378        | 372        | 1.0 0.0        | 0.2 46.6 71.4 35.0 79.6 386   | 1.0 0.0         | 0.411 46.9 73.0 23.7 76.7 378 | 1.0 0.0 0.2       | 1.0 0.0         | 0.565 46.9 74.6 16.0 76.3 372 | 1.0 0.0 0.2       |                 |
| 386        | 379        | 373        | 1.0 0.0        | 0.183 46.6 71.3 35.9 79.9 386 | 1.0 0.0         | 0.387 46.9 72.6 25.0 76.8 379 | 1.0 0.0 0.183     | 1.0 0.0         | 0.534 46.8 74.3 17.5 76.4 373 | 1.0 0.0 0.183     |                 |
| 387        | 380        | 374        | 1.0 0.0        | 0.166 46.5 71.2 36.7 80.2 387 | 1.0 0.0         | 0.362 46.9 72.4 26.4 77.1 380 | 1.0 0.0 0.167     | 1.0 0.0         | 0.502 46.8 74.0 18.9 76.4 374 | 1.0 0.0 0.167     |                 |
| 387        | 381        | 375        | 1.0 0.0        | 0.15 46.5 71.1 37.6 80.4 387  | 1.0 0.0         | 0.336 46.8 72.3 27.8 77.5 381 | 1.0 0.0 0.15      | 1.0 0.0         | 0.474 46.8 73.7 20.4 76.5 375 | 1.0 0.0 0.15      |                 |
| 388        | 382        | 376        | 1.0 0.0        | 0.133 46.5 71.0 38.5 80.7 388 | 1.0 0.0         | 0.311 46.8 72.2 29.2 77.8 382 | 1.0 0.0 0.133     | 1.0 0.0         | 0.447 46.8 73.4 21.8 76.6 376 | 1.0 0.0 0.133     |                 |
| 389        | 383        | 377        | 1.0 0.0        | 0.116 46.5 70.9 39.3 81.0 389 | 1.0 0.0         | 0.286 46.7 72.0 30.6 78.2 383 | 1.0 0.0 0.117     | 1.0 0.0         | 0.419 46.9 73.1 23.3 76.7 377 | 1.0 0.0 0.117     |                 |
| 389        | 384        | 378        | 1.0 0.0        | 0.1 46.5 70.8 40.1 81.4 389   | 1.0 0.0         | 0.261 46.7 71.8 32.0 78.6 384 | 1.0 0.0 0.1       | 1.0 0.0         | 0.392 46.9 72.7 24.7 76.8 378 | 1.0 0.0 0.1       |                 |
| 390        | 385        | 379        | 1.0 0.0        | 0.083 46.5 70.7 40.9 81.7 390 | 1.0 0.0         | 0.233 46.6 71.6 33.4 79.0 385 | 1.0 0.0 0.083     | 1.0 0.0         | 0.364 46.9 72.4 26.2 77.0 379 | 1.0 0.0 0.083     |                 |
| 390        | 386        | 381        | 1.0 0.0        | 0.066 46.4 70.7 41.7 82.0 390 | 1.0 0.0         | 0.204 46.6 71.5 34.9 79.5 386 | 1.0 0.0 0.067     | 1.0 0.0         | 0.336 46.8 72.3 27.8 77.5 381 | 1.0 0.0 0.067     |                 |
| 391        | 387        | 382        | 1.0 0.0        | 0.049 46.4 70.6 42.5 82.4 391 | 1.0 0.0         | 0.176 46.6 71.3 36.3 80.0 387 | 1.0 0.0 0.05      | 1.0 0.0         | 0.308 46.8 72.1 29.3 77.9 382 | 1.0 0.0 0.05      |                 |
| 391        | 388        | 383        | 1.0 0.0        | 0.033 46.4 70.5 43.3 82.7 391 | 1.0 0.0         | 0.147 46.6 71.1 37.8 80.5 388 | 1.0 0.0 0.033     | 1.0 0.0         | 0.28 46.7 71.9 30.9 78.3 383  | 1.0 0.0 0.033     |                 |
| 392        | 389        | 384        | 1.0 0.0        | 0.016 46.4 70.4 44.1 83.0 392 | 1.0 0.0         | 0.117 46.6 70.9 39.3 81.1 389 | 1.0 0.0 0.017     | 1.0 0.0         | 0.251 46.6 71.7 32.5 78.7 384 | 1.0 0.0 0.017     |                 |
| 392        | 390        | 385        | 1.0 0.0        | 0.0 46.4 70.3 44.9 83.4 392   | $R_d$ 1.0 0.0   | 0.084 46.5 70.8 40.9 81.7 390 | $R_s$ 1.0 0.0 0.0 | 1.0 0.0         | 0.219 46.6 71.6 34.1 79.3 385 | $R_e$ 1.0 0.0 0.0 |                 |

1-0031631-L0

SE170-70

LAB\*la0, YN=0%, XYZnw=3.5, 4.0, 6.0, 86.2, 91.2, 96.3, LAB\*nmw=23.6, 0.0, 0.0, 96.5, 0.0, 0.0

Output: Offset standard print; separation cmy0\*, D65, page 17/33

TUB-test chart SE17; 1080 colours, offset standard paper  
48 step hue circles;  $rgb-LabCh^*$  tables, 3D=0, de=0, cmy0

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmy0_d$

1-0031631-F0

TUB registration: 20130201-SE17/SE17L0NP.PDF /.PS  
application for measurement of offset print output, separation cmy0 (CMY0)  
TUB material: code=rha4ta

| n/j    | HIC*Fd        | rgb_Fd            | ict_Fd          | hsi_Fd | rgb*Fd            | LabCh*Fd         | rgb**Fd    | LabCh**Fd         | DE**Fd           | hsi_Md     | rgb*Md  | LabCh*Md         |            |
|--------|---------------|-------------------|-----------------|--------|-------------------|------------------|------------|-------------------|------------------|------------|---------|------------------|------------|
| 0/648  | R00Y_100_100d | 1.0 0.0 0.0       | 1.0 1.0 0.5     | 390    | 1.0 0.0 0.0       | 46.4 70.3 44.9   | 83.4 32.5  | 1.0 0.0 0.0       | 46.4 70.3 44.9   | 83.4 32.5  | 0.0 0.0 | 46.4 70.3 44.9   | 83.4 32.5  |
| 1/657  | R13Y_100_100d | 1.0 0.125 0.0     | 1.0 1.0 0.5     | 37     | 1.0 0.116 0.0     | 49.7 62.6 48.5   | 79.2 37.7  | 1.0 0.125 0.0     | 49.9 62.1 48.7   | 79.0 38.1  | 0.6 0.6 | 49.7 62.6 48.5   | 79.2 37.7  |
| 2/666  | R25Y_100_100d | 1.0 0.25 0.0      | 1.0 1.0 0.5     | 44     | 1.0 0.233 0.0     | 54.2 52.8 53.7   | 75.3 45.4  | 1.0 0.25 0.0      | 54.8 51.4 54.3   | 74.8 46.5  | 1.7 42  | 54.2 52.8 53.7   | 75.3 45.4  |
| 3/675  | R38Y_100_100d | 1.0 0.375 0.0     | 1.0 1.0 0.5     | 52     | 1.0 0.366 0.0     | 60.1 40.4 60.2   | 72.5 56.1  | 1.0 0.375 0.0     | 60.5 39.6 60.5   | 72.3 56.7  | 0.9 51  | 60.1 40.4 60.2   | 72.5 56.1  |
| 4/684  | R50Y_100_100d | 1.0 0.5 0.0       | 1.0 1.0 0.5     | 60     | 1.0 0.5 0.0       | 66.4 28.5 66.7   | 72.5 66.8  | 1.0 0.5 0.0       | 66.4 28.5 66.7   | 72.5 66.8  | 0.0 59  | 66.4 28.5 66.7   | 72.5 66.8  |
| 5/693  | R63Y_100_100d | 1.0 0.625 0.0     | 1.0 1.0 0.5     | 68     | 1.0 0.633 0.0     | 73.9 15.3 74.7   | 78.4 78.4  | 1.0 0.625 0.0     | 73.5 15.9 74.3   | 76.0 77.9  | 0.7 68  | 73.9 15.3 74.7   | 78.4 78.4  |
| 6/702  | R75Y_100_100d | 1.0 0.75 0.0      | 1.0 1.0 0.5     | 76     | 1.0 0.766 0.0     | 79.7 5.8 81.0    | 81.2 85.8  | 1.0 0.75 0.0      | 79.1 6.8 80.2    | 80.5 85.1  | 1.4 77  | 79.7 5.8 81.0    | 81.2 85.8  |
| 7/711  | R88Y_100_100d | 1.0 0.875 0.0     | 1.0 1.0 0.5     | 83     | 1.0 0.883 0.0     | 84.4 -1.3 85.8   | 85.8 90.9  | 1.0 0.875 0.0     | 84.1 -0.9 85.5   | 85.5 90.6  | 0.5 83  | 84.4 -1.3 85.8   | 85.8 90.9  |
| 8/720  | Y00G_100_100d | 1.0 1.0 0.0       | 1.0 1.0 0.5     | 90     | 1.0 1.0 0.0       | 88.0 -6.8 89.7   | 90.0 94.3  | 1.0 1.0 0.0       | 88.0 -6.8 89.7   | 90.0 94.3  | 0.0 89  | 88.0 -6.8 89.7   | 90.0 94.3  |
| 9/639  | Y13G_100_100d | 0.875 1.0 0.0     | 1.0 1.0 0.5     | 97     | 0.883 1.0 0.0     | 84.7 -10.1 83.3  | 83.9 96.9  | 0.875 1.0 0.0     | 84.5 -10.3 82.8  | 83.5 97.1  | 0.5 96  | 84.7 -10.1 83.3  | 83.9 96.9  |
| 10/558 | Y25G_100_100d | 0.75 1.0 0.0      | 1.0 1.0 0.5     | 104    | 0.766 1.0 0.0     | 81.0 -13.5 78.3  | 79.5 99.8  | 0.75 1.0 0.0      | 80.5 -14.0 77.6  | 78.9 100.2 | 0.9 102 | 81.0 -13.5 78.3  | 79.5 99.8  |
| 11/477 | Y38G_100_100d | 0.625 1.0 0.0     | 1.0 1.0 0.5     | 112    | 0.633 1.0 0.0     | 76.2 -20.0 72.9  | 75.7 105.6 | 0.625 1.0 0.0     | 75.9 -20.8 72.5  | 75.5 106.0 | 0.6 111 | 76.2 -20.0 72.9  | 75.7 105.6 |
| 12/396 | Y50G_100_100d | 0.5 1.0 0.0       | 1.0 1.0 0.5     | 120    | 0.5 1.0 0.0       | 70.6 -26.9 62.2  | 67.8 113.3 | 0.5 1.0 0.0       | 70.6 -26.9 62.2  | 67.8 113.3 | 0.0 119 | 70.6 -26.9 62.2  | 67.8 113.3 |
| 13/315 | Y63G_100_100d | 0.375 1.0 0.0     | 1.0 1.0 0.5     | 128    | 0.366 1.0 0.0     | 64.9 -34.5 54.1  | 64.2 122.5 | 0.375 1.0 0.0     | 65.4 -33.6 54.7  | 64.2 121.5 | 1.1 128 | 64.9 -34.5 54.1  | 64.2 122.5 |
| 14/234 | Y75G_100_100d | 0.25 1.0 0.0      | 1.0 1.0 0.5     | 136    | 0.233 1.0 0.0     | 57.9 -47.3 43.7  | 64.5 137.2 | 0.25 1.0 0.0      | 58.4 -46.3 44.9  | 64.5 135.8 | 1.6 137 | 57.9 -47.3 43.7  | 64.5 137.2 |
| 15/153 | Y88G_100_100d | 0.125 1.0 0.0     | 1.0 1.0 0.5     | 143    | 0.116 1.0 0.0     | 53.9 -54.4 35.0  | 64.7 147.2 | 0.125 1.0 0.0     | 54.2 -53.6 35.4  | 64.3 146.5 | 0.9 143 | 53.9 -54.4 35.0  | 64.7 147.2 |
| 16/72  | G00C_100_100d | 0.0 1.0 0.0       | 1.0 1.0 0.5     | 150    | 0.0 1.0 0.0       | 49.6 -65.0 27.6  | 70.6 157.0 | 0.0 1.0 0.0       | 49.6 -65.0 27.6  | 70.6 157.0 | 0.0 149 | 49.6 -65.0 27.6  | 70.6 157.0 |
| 17/73  | G13C_100_100d | 0.0 1.0 0.125     | 1.0 1.0 0.5     | 157    | 0.0 1.0 0.116     | 50.4 -62.5 19.8  | 65.6 162.4 | 0.0 1.0 0.125     | 50.4 -62.3 19.2  | 65.2 162.8 | 0.5 156 | 50.4 -62.5 19.8  | 65.6 162.4 |
| 18/74  | G25C_100_100d | 0.0 1.0 0.25      | 1.0 1.0 0.5     | 164    | 0.0 1.0 0.233     | 51.0 -59.0 10.9  | 60.0 169.5 | 0.0 1.0 0.25      | 51.1 -58.4 9.7   | 59.2 170.5 | 1.3 162 | 51.0 -59.0 10.9  | 60.0 169.5 |
| 19/75  | G38C_100_100d | 0.0 1.0 0.375     | 1.0 1.0 0.5     | 172    | 0.0 1.0 0.366     | 51.9 -54.0 0.0   | 54.0 180.0 | 0.0 1.0 0.375     | 52.0 -53.7 -0.7  | 53.7 180.7 | 0.7 171 | 51.9 -54.0 0.0   | 54.0 180.0 |
| 20/76  | G50C_100_100d | 0.0 1.0 0.5       | 1.0 1.0 0.5     | 180    | 0.0 1.0 0.5       | 53.0 -48.2 -10.8 | 49.4 192.6 | 0.0 1.0 0.5       | 53.0 -48.2 -10.8 | 49.4 192.6 | 0.0 180 | 53.0 -48.2 -10.8 | 49.4 192.6 |
| 21/77  | G63C_100_100d | 0.0 1.0 0.625     | 1.0 1.0 0.5     | 188    | 0.0 1.0 0.633     | 54.2 -42.9 -20.3 | 47.5 205.3 | 0.0 1.0 0.625     | 54.2 -43.2 -19.8 | 47.5 204.6 | 0.6 188 | 54.2 -42.9 -20.3 | 47.5 205.3 |
| 22/78  | G75C_100_100d | 0.0 1.0 0.75      | 1.0 1.0 0.5     | 196    | 0.0 1.0 0.766     | 55.4 -37.8 -28.4 | 47.3 216.9 | 0.0 1.0 0.75      | 55.3 -38.3 -27.5 | 47.2 215.7 | 1.0 197 | 55.4 -37.8 -28.4 | 47.3 216.9 |
| 23/79  | G88C_100_100d | 0.0 1.0 0.875     | 1.0 1.0 0.5     | 203    | 0.0 1.0 0.883     | 56.2 -33.8 -34.3 | 48.2 225.4 | 0.0 1.0 0.875     | 56.1 -34.1 -33.9 | 48.1 224.8 | 0.4 203 | 56.2 -33.8 -34.3 | 48.2 225.4 |
| 24/80  | C00B_100_100d | 0.0 1.0 1.0       | 1.0 1.0 0.5     | 210    | 0.0 1.0 1.0       | 57.0 -29.7 -39.8 | 49.7 233.2 | 0.0 1.0 1.0       | 57.0 -29.7 -39.8 | 49.7 233.2 | 0.0 210 | 57.0 -29.7 -39.8 | 49.7 233.2 |
| 25/71  | C13B_100_100d | 0.0 0.875 1.0     | 1.0 1.0 0.5     | 217    | 0.0 0.883 1.0     | 54.4 -25.4 -39.8 | 47.3 237.4 | 0.0 0.875 1.0     | 54.2 -25.1 -39.8 | 47.1 237.7 | 0.3 216 | 54.4 -25.4 -39.8 | 47.3 237.4 |
| 26/62  | C25B_100_100d | 0.0 0.75 1.0      | 1.0 1.0 0.5     | 224    | 0.0 0.766 1.0     | 51.3 -20.4 -39.8 | 44.7 242.7 | 0.0 0.75 1.0      | 50.9 -19.7 -39.7 | 44.3 243.5 | 0.8 222 | 51.3 -20.4 -39.8 | 44.7 242.7 |
| 27/53  | C38B_100_100d | 0.0 0.625 1.0     | 1.0 1.0 0.5     | 232    | 0.0 0.633 1.0     | 47.8 -14.7 -39.5 | 42.1 249.5 | 0.0 0.625 1.0     | 47.6 -14.3 -39.4 | 42.0 249.9 | 0.4 231 | 47.8 -14.7 -39.5 | 42.1 249.5 |
| 28/44  | C50B_100_100d | 0.0 0.5 1.0       | 1.0 1.0 0.5     | 240    | 0.0 0.5 1.0       | 43.1 -6.3 -39.3  | 39.8 260.8 | 0.0 0.5 1.0       | 43.1 -6.3 -39.3  | 39.8 260.8 | 0.0 240 | 43.1 -6.3 -39.3  | 39.8 260.8 |
| 29/35  | C63B_100_100d | 0.0 0.375 1.0     | 1.0 1.0 0.5     | 248    | 0.0 0.366 1.0     | 38.2 2.0 -38.9   | 38.9 273.0 | 0.0 0.375 1.0     | 38.5 1.5 -38.8   | 38.9 272.2 | 0.6 248 | 38.2 2.0 -38.9   | 38.9 273.0 |
| 30/26  | C75B_100_100d | 0.0 0.25 1.0      | 1.0 1.0 0.5     | 256    | 0.0 0.233 1.0     | 33.5 10.9 -38.9  | 40.4 285.7 | 0.0 0.25 1.0      | 34.1 9.8 -38.8   | 40.0 284.2 | 1.2 257 | 33.5 10.9 -38.9  | 40.4 285.7 |
| 31/17  | C88B_100_100d | 0.0 0.125 1.0     | 1.0 1.0 0.5     | 263    | 0.0 0.116 1.0     | 29.2 19.0 -38.9  | 43.3 296.0 | 0.0 0.125 1.0     | 29.5 18.5 -38.8  | 43.0 295.4 | 0.5 263 | 29.2 19.0 -38.9  | 43.3 296.0 |
| 32/8   | B00M_100_100d | 0.0 0.0 1.0       | 1.0 1.0 0.5     | 270    | 0.0 0.0 1.0       | 25.8 26.0 -38.7  | 46.7 303.9 | 0.0 0.0 1.0       | 25.8 26.0 -38.7  | 46.7 303.9 | 0.0 270 | 25.8 26.0 -38.7  | 46.7 303.9 |
| 33/89  | B13M_100_100d | 0.125 0.0 1.0     | 1.0 1.0 0.5     | 277    | 0.116 0.0 1.0     | 28.2 32.2 -35.3  | 47.8 312.3 | 0.125 0.0 1.0     | 28.4 32.6 -35.0  | 47.9 312.9 | 0.5 276 | 28.2 32.2 -35.3  | 47.8 312.3 |
| 34/170 | B25M_100_100d | 0.25 0.0 1.0      | 1.0 1.0 0.5     | 284    | 0.233 0.0 1.0     | 29.1 38.9 -31.7  | 50.2 320.7 | 0.25 0.0 1.0      | 29.2 39.8 -31.1  | 50.6 322.0 | 1.1 282 | 29.1 38.9 -31.7  | 50.2 320.7 |
| 35/251 | B38M_100_100d | 0.375 0.0 1.0     | 1.0 1.0 0.5     | 292    | 0.366 0.0 1.0     | 33.0 49.6 -25.1  | 55.6 333.0 | 0.375 0.0 1.0     | 33.3 50.2 -24.6  | 55.9 333.8 | 0.8 291 | 33.0 49.6 -25.1  | 55.6 333.0 |
| 36/332 | B50M_100_100d | 0.5 0.0 1.0       | 1.0 1.0 0.5     | 300    | 0.5 0.0 1.0       | 36.7 56.5 -19.8  | 59.9 340.6 | 0.5 0.0 1.0       | 36.7 56.5 -19.8  | 59.9 340.6 | 0.0 300 | 36.7 56.5 -19.8  | 59.9 340.6 |
| 37/413 | B63M_100_100d | 0.625 0.0 1.0     | 1.0 1.0 0.5     | 308    | 0.633 0.0 1.0     | 39.4 64.8 -12.8  | 66.1 348.8 | 0.625 0.0 1.0     | 39.1 64.4 -13.1  | 65.7 348.4 | 0.5 308 | 39.4 64.8 -12.8  | 66.1 348.8 |
| 38/494 | B75M_100_100d | 0.75 0.0 1.0      | 1.0 1.0 0.5     | 316    | 0.766 0.0 1.0     | 43.1 70.5 -8.0   | 71.0 353.5 | 0.75 0.0 1.0      | 42.7 70.0 -8.4   | 70.5 353.1 | 0.7 317 | 43.1 70.5 -8.0   | 71.0 353.5 |
| 39/575 | B88M_100_100d | 0.875 0.0 1.0     | 1.0 1.0 0.5     | 323    | 0.883 0.0 1.0     | 45.5 74.1 -4.8   | 74.3 356.2 | 0.875 0.0 1.0     | 45.4 73.8 -5.1   | 74.0 356.0 | 0.4 323 | 45.5 74.1 -4.8   | 74.3 356.2 |
| 40/656 | M00R_100_100d | 1.0 0.0 1.0       | 1.0 1.0 0.5     | 330    | 1.0 0.0 1.0       | 47.2 78.3 -0.6   | 78.3 359.5 | 1.0 0.0 1.0       | 47.2 78.3 -0.6   | 78.3 359.5 | 0.0 330 | 47.2 78.3 -0.6   | 78.3 359.5 |
| 41/655 | M13R_100_100d | 1.0 0.0 0.875     | 1.0 1.0 0.5     | 337    | 1.0 0.0 0.883     | 47.1 77.4 3.2    | 77.5 2.4   | 1.0 0.0 0.875     | 47.0 77.4 3.5    | 77.4 362.6 | 0.2 336 | 47.1 77.4 3.2    | 77.5 2.4   |
| 42/654 | M25R_100_100d | 1.0 0.0 0.75      | 1.0 1.0 0.5     | 344    | 1.0 0.0 0.766     | 46.9 76.5 7.2    | 76.8 5.4   | 1.0 0.0 0.75      | 46.9 76.3 7.8    | 76.7 365.8 | 0.5 342 | 46.9 76.5 7.2    | 76.8 5.4   |
| 43/653 | M38R_100_100d | 1.0 0.0 0.625     | 1.0 1.0 0.5     | 352    | 1.0 0.0 0.633     | 46.9 75.2 12.9   | 76.3 9.7   | 1.0 0.0 0.625     | 46.9 75.1 13.2   | 76.2 370.0 | 0.3 351 | 46.9 75.2 12.9   | 76.3 9.7   |
| 44/652 | M50R_100_100d | 1.0 0.0 0.5       | 1.0 1.0 0.5     | 360    | 1.0 0.0 0.5       | 46.7 74.0 19.0   | 76.4 14.4  | 1.0 0.0 0.5       | 46.7 74.0 19.0   | 76.4 174.4 | 0.0 360 | 46.7 74.0 19.0   | 76.4 14.4  |
| 45/651 | M63R_100_100d | 1.0 0.0 0.375     | 1.0 1.0 0.5     | 368    | 1.0 0.0 0.366     | 46.8 72.4 26.0   | 76.9 19.8  | 1.0 0.0 0.375     | 46.9 72.4 25.6   | 76.8 379.4 | 0.4 368 | 46.8 72.4 26.0   | 76.9 19.8  |
| 46/650 | M75R_100_100d | 1.0 0.0 0.25      | 1.0 1.0 0.5     | 376    | 1.0 0.0 0.233     | 46.6 71.6 33.3   | 79.0 24.9  | 1.0 0.0 0.25      | 46.6 71.6 32.5   | 78.7 384.4 | 0.8 377 | 46.6 71.6 33.3   | 79.0 24.9  |
| 47/649 | M88R_100_100d | 1.0 0.0 0.125     | 1.0 1.0 0.5     | 383    | 1.0 0.0 0.116     | 46.5 70.9 39.3   | 81.0 29.0  | 1.0 0.0 0.125     | 46.5 70.9 38.9   | 80.9 388.7 | 0.3 383 | 46.5 70.9 39.3   | 81.0 29.0  |
| 48/648 | R00Y_100_100d | 1.0 0.0 0.0       | 1.0 1.0 0.5     | 390    | 1.0 0.0 0.0       | 46.4 70.3 44.9   | 83.4 32.5  | 1.0 0.0 0.0       | 46.4 70.3 44.9   | 83.4 392.5 | 0.0 389 | 46.4 70.3 44.9   | 83.4 32.5  |
| 49/0   | NW_000d       | 0.0 0.0 0.0       | 0.0 0.0 0.0     | 360    | 0.0 0.0 0.0       | 23.6 0.0 0.0     | 0.0 0.0    | 0.0 0.0 0.0       | 23.6 0.0 0.0     | 0.0 0.0    | 0.0 360 | 23.6 0.0 0.0     | 0.0 0.0    |
| 50/91  | NW_013d       | 0.125 0.125 0.125 | 0.125 0.0 0.125 | 360    | 0.125 0.125 0.125 | 32.7 0.0 0.0     | 0.0 0.0    | 0.125 0.125 0.125 | 32.6 0.0 0.0     | 0.0 0.0    | 0.0 360 | 32.7 0.0 0.0     | 0.0 0.0    |
| 51/182 | NW_025d       | 0.25 0.25 0.25    | 0.25 0.0 0.25   | 360    | 0.25 0.25 0.25    | 41.8 0.0 0.0     | 0.0 0.0    | 0.25 0.25 0.25    | 41.8 0.0 0.0     | 0.0 0.0    | 0.0 360 | 41.8 0.0 0.0     | 0.0 0.0    |
| 52/273 | NW_038d       | 0.375 0.375 0.375 | 0.375 0.0 0.375 | 360    | 0.375 0.375 0.375 | 50.9 0.0 0.0     | 0.0 0.0    | 0.375 0.375 0.375 | 50.9 0.0 0.0     | 0.0 0.0    | 0.0 360 | 50.9 0.0 0.0     | 0.0 0.0    |
| 53/364 | NW_050d       | 0.5 0.5 0.5       | 0.5 0.0 0.5     | 360    | 0.5 0.5 0.5       | 60.0 0.0 0.0     | 0.0 0.0    | 0.5 0.5 0.5       | 60.0 0.0 0.0     | 0.0 0.0    | 0.0 360 | 60.0 0.0 0.0     | 0.0 0.0    |
| 54/455 | NW_063d       | 0.625 0.625 0.625 | 0.625 0.0 0.625 | 360    | 0.625 0.625 0.625 | 69.1 0.0 0.0     | 0.0 0.0    | 0.625 0.625 0.625 | 69.1 0.0 0.0     | 0.0 0.0    | 0.0 360 | 69.1 0.0 0.      |            |

| n/f    | HIC*Fd        | rgb_Fd | ict_Fd | hsi_Fd | rgb*Fd | LabCh*Fd | rgb**Fd | LabCh**Fd | DE**Fd | hsiMd | rgb*Md | LabCh*Md |       |       |      |       |       |       |       |      |       |       |      |       |      |     |
|--------|---------------|--------|--------|--------|--------|----------|---------|-----------|--------|-------|--------|----------|-------|-------|------|-------|-------|-------|-------|------|-------|-------|------|-------|------|-----|
| 0/648  | R00Y_100_100a | 1.0    | 0.0    | 0.0    | 1.0    | 1.0      | 0.0     | 0.0       | 46.4   | 70.3  | 44.9   | 83.4     | 32.5  | 0.0   | 389  | 1.0   | 0.0   | 0.0   | 46.4  | 70.3 | 44.9  | 83.4  | 32.5 |       |      |     |
| 1/666  | R25Y_100_100a | 1.0    | 0.25   | 0.0    | 1.0    | 1.0      | 0.5     | 44        | 54.8   | 51.4  | 54.3   | 74.8     | 46.5  | 1.7   | 42   | 1.0   | 0.253 | 0.0   | 54.2  | 52.8 | 53.7  | 75.3  | 45.4 |       |      |     |
| 2/684  | R50Y_100_100a | 1.0    | 0.5    | 0.0    | 1.0    | 1.0      | 0.5     | 60        | 66.4   | 28.5  | 66.7   | 72.5     | 66.8  | 0.0   | 59   | 1.0   | 0.5   | 0.0   | 66.4  | 28.5 | 66.7  | 72.5  | 66.8 |       |      |     |
| 3/702  | R75Y_100_100a | 1.0    | 0.75   | 0.0    | 1.0    | 1.0      | 0.5     | 76        | 79.7   | 5.8   | 81.0   | 81.2     | 85.8  | 1.0   | 77   | 1.0   | 0.766 | 0.0   | 79.7  | 5.8  | 81.0  | 81.2  | 85.8 |       |      |     |
| 4/720  | Y00G_100_100a | 1.0    | 1.0    | 0.0    | 1.0    | 1.0      | 0.5     | 90        | 1.0    | 1.0   | 0.0    | 88.0     | -6.8  | 89.7  | 90.0 | 89    | 1.0   | 1.0   | 0.0   | 88.0 | -6.8  | 89.7  | 90.0 | 94.3  |      |     |
| 5/558  | Y25G_100_100a | 0.75   | 1.0    | 0.0    | 1.0    | 1.0      | 0.5     | 104       | 0.766  | 1.0   | 0.0    | 81.0     | -13.5 | 78.3  | 79.5 | 99.8  | 0.766 | 1.0   | 0.0   | 81.0 | -13.5 | 78.3  | 79.5 | 99.8  |      |     |
| 6/396  | Y50G_100_100a | 0.5    | 1.0    | 0.0    | 1.0    | 1.0      | 0.5     | 120       | 0.5    | 1.0   | 0.0    | 70.6     | -26.9 | 62.2  | 67.8 | 113.3 | 0.5   | 1.0   | 0.0   | 70.6 | -26.9 | 62.2  | 67.8 | 113.3 |      |     |
| 7/234  | Y75G_100_100a | 0.25   | 1.0    | 0.0    | 1.0    | 1.0      | 0.5     | 136       | 0.233  | 1.0   | 0.0    | 58.4     | -46.3 | 44.9  | 64.5 | 135.8 | 0.233 | 1.0   | 0.0   | 57.9 | -47.3 | 43.7  | 64.5 | 137.2 |      |     |
| 8/72   | G00B_100_100a | 0.0    | 1.0    | 0.0    | 1.0    | 1.0      | 0.5     | 150       | 0.0    | 1.0   | 0.0    | 49.6     | -65.0 | 27.6  | 70.6 | 157.0 | 0.0   | 1.0   | 0.0   | 49.6 | -65.0 | 27.6  | 70.6 | 157.0 |      |     |
| 9/72   | G00B_100_100a | 0.0    | 1.0    | 0.0    | 1.0    | 1.0      | 0.5     | 150       | 0.0    | 1.0   | 0.0    | 49.6     | -65.0 | 27.6  | 70.6 | 157.0 | 0.0   | 1.0   | 0.0   | 49.6 | -65.0 | 27.6  | 70.6 | 157.0 |      |     |
| 10/76  | G25B_100_100a | 0.0    | 1.0    | 0.5    | 1.0    | 1.0      | 0.5     | 180       | 0.0    | 1.0   | 0.5    | 53.0     | -48.2 | -10.8 | 49.4 | 192.6 | 0.0   | 1.0   | 0.5   | 53.0 | -48.2 | -10.8 | 49.4 | 192.6 |      |     |
| 11/80  | G50B_100_100a | 0.0    | 1.0    | 1.0    | 1.0    | 1.0      | 0.5     | 210       | 0.0    | 1.0   | 1.0    | 57.0     | -29.7 | -39.8 | 49.7 | 233.2 | 0.0   | 1.0   | 1.0   | 57.0 | -29.7 | -39.8 | 49.7 | 233.2 |      |     |
| 12/44  | G75B_100_100a | 0.0    | 0.5    | 1.0    | 1.0    | 1.0      | 0.5     | 240       | 0.0    | 0.5   | 1.0    | 43.1     | -6.3  | -39.3 | 39.8 | 260.8 | 0.0   | 0.5   | 1.0   | 43.1 | -6.3  | -39.3 | 39.8 | 260.8 |      |     |
| 13/8   | B00M_100_100a | 0.0    | 0.0    | 1.0    | 1.0    | 1.0      | 0.5     | 270       | 0.0    | 0.0   | 1.0    | 25.8     | 26.0  | -38.7 | 46.7 | 303.9 | 0.0   | 0.0   | 1.0   | 25.8 | 26.0  | -38.7 | 46.7 | 303.9 |      |     |
| 14/332 | B25R_100_100a | 0.5    | 0.0    | 1.0    | 1.0    | 1.0      | 0.5     | 300       | 0.5    | 0.0   | 1.0    | 36.7     | 56.5  | -19.8 | 59.9 | 340.6 | 0.0   | 0.5   | 1.0   | 36.7 | 56.5  | -19.8 | 59.9 | 340.6 |      |     |
| 15/656 | B50R_100_100a | 1.0    | 0.0    | 1.0    | 1.0    | 1.0      | 0.5     | 330       | 1.0    | 0.0   | 1.0    | 47.2     | 78.3  | -0.6  | 78.3 | 359.5 | 1.0   | 0.0   | 1.0   | 47.2 | 78.3  | -0.6  | 78.3 | 359.5 |      |     |
| 16/652 | B75R_100_100a | 1.0    | 0.0    | 0.5    | 1.0    | 1.0      | 0.5     | 360       | 1.0    | 0.0   | 0.5    | 46.7     | 74.0  | 19.0  | 76.4 | 14.4  | 1.0   | 0.0   | 0.5   | 46.7 | 74.0  | 19.0  | 76.4 | 14.4  |      |     |
| 17/648 | R00Y_100_100a | 1.0    | 0.0    | 0.0    | 1.0    | 1.0      | 0.5     | 390       | 1.0    | 0.0   | 0.0    | 46.4     | 70.3  | 44.9  | 83.4 | 32.5  | 1.0   | 0.0   | 0.0   | 46.4 | 70.3  | 44.9  | 83.4 | 32.5  |      |     |
| 18/688 | R00Y_100_050a | 1.0    | 0.5    | 0.5    | 1.0    | 0.5      | 0.75    | 390       | 1.0    | 0.5   | 0.5    | 71.4     | 35.1  | 22.4  | 41.7 | 32.5  | 1.0   | 0.5   | 0.5   | 69.5 | 29.5  | 25.7  | 39.2 | 41.0  | 6.7  | 389 |
| 19/706 | R50Y_100_050a | 1.0    | 0.75   | 0.5    | 1.0    | 0.5      | 0.75    | 60        | 1.0    | 0.75  | 0.5    | 81.4     | 34.2  | 33.3  | 36.2 | 66.8  | 1.0   | 0.75  | 0.5   | 81.8 | 9.9   | 31.4  | 32.9 | 72.4  | 4.7  | 59  |
| 20/724 | Y00G_100_050a | 1.0    | 1.0    | 0.5    | 1.0    | 0.5      | 0.75    | 90        | 1.0    | 1.0   | 0.5    | 92.2     | -3.4  | 44.8  | 45.0 | 94.3  | 1.0   | 1.0   | 0.5   | 92.2 | -5.1  | 37.4  | 37.8 | 97.7  | 7.5  | 89  |
| 21/562 | Y50G_100_050a | 0.75   | 1.0    | 0.5    | 1.0    | 0.5      | 0.75    | 120       | 0.75   | 1.0   | 0.5    | 83.5     | -13.4 | 31.1  | 33.9 | 113.3 | 0.75  | 1.0   | 0.5   | 84.5 | -11.7 | 27.5  | 29.9 | 113.1 | 4.1  | 119 |
| 22/490 | G00B_100_050a | 0.5    | 1.0    | 0.5    | 1.0    | 0.5      | 0.75    | 150       | 0.5    | 1.0   | 0.5    | 73.0     | -32.5 | 13.8  | 35.3 | 157.0 | 0.5   | 1.0   | 0.5   | 74.3 | -22.0 | 15.9  | 27.2 | 144.2 | 10.7 | 149 |
| 23/404 | G50B_100_050a | 0.5    | 1.0    | 1.0    | 1.0    | 0.5      | 0.75    | 210       | 0.5    | 1.0   | 1.0    | 76.7     | -14.8 | -19.9 | 24.8 | 233.2 | 0.5   | 1.0   | 1.0   | 79.1 | -12.5 | -17.7 | 21.7 | 234.6 | 3.9  | 210 |
| 24/368 | B00R_100_050a | 0.5    | 0.5    | 1.0    | 1.0    | 0.5      | 0.75    | 270       | 0.5    | 0.5   | 1.0    | 61.1     | 13.0  | -19.3 | 23.3 | 303.9 | 0.5   | 0.5   | 1.0   | 59.3 | 15.8  | -19.5 | 25.1 | 309.1 | 3.4  | 270 |
| 25/692 | B50R_100_050a | 1.0    | 0.5    | 1.0    | 1.0    | 0.5      | 0.75    | 330       | 1.0    | 0.5   | 1.0    | 71.8     | 39.1  | -0.3  | 39.1 | 359.5 | 1.0   | 0.5   | 1.0   | 72.2 | 33.6  | -3.5  | 33.8 | 353.9 | 6.4  | 330 |
| 26/688 | R00Y_100_050a | 1.0    | 0.5    | 0.5    | 1.0    | 0.5      | 0.75    | 390       | 1.0    | 0.5   | 0.5    | 71.4     | 35.1  | 22.4  | 41.7 | 32.5  | 1.0   | 0.5   | 0.5   | 69.5 | 29.5  | 25.7  | 39.2 | 41.0  | 6.7  | 389 |
| 27/506 | R00Y_075_050a | 0.75   | 0.25   | 0.25   | 0.75   | 0.5      | 0.5     | 390       | 0.75   | 0.25  | 0.25   | 53.2     | 35.1  | 22.4  | 41.7 | 32.5  | 0.75  | 0.25  | 0.25  | 51.4 | 39.0  | 30.3  | 49.5 | 37.8  | 9.0  | 389 |
| 28/524 | R50Y_075_050a | 0.75   | 0.5    | 0.25   | 0.75   | 0.5      | 0.5     | 60        | 0.75   | 0.5   | 0.25   | 63.2     | 14.2  | 33.3  | 36.2 | 66.8  | 0.75  | 0.5   | 0.25  | 62.5 | 18.2  | 36.9  | 41.2 | 63.7  | 5.4  | 59  |
| 29/542 | Y00G_075_050a | 0.75   | 0.75   | 0.25   | 0.75   | 0.5      | 0.5     | 90        | 0.75   | 0.75  | 0.25   | 74.0     | -3.4  | 44.8  | 45.0 | 94.3  | 0.75  | 0.75  | 0.25  | 73.0 | 0.1   | 44.0  | 44.0 | 89.8  | 3.8  | 89  |
| 30/380 | Y50G_075_050a | 0.5    | 0.75   | 0.25   | 0.75   | 0.5      | 0.5     | 120       | 0.5    | 0.75  | 0.25   | 65.3     | -13.4 | 31.1  | 33.9 | 113.3 | 0.5   | 0.75  | 0.25  | 64.2 | -11.6 | 32.1  | 34.1 | 109.9 | 2.3  | 119 |
| 31/218 | G00B_075_050a | 0.25   | 0.75   | 0.25   | 0.75   | 0.5      | 0.5     | 150       | 0.25   | 0.75  | 0.25   | 54.8     | -32.5 | 13.8  | 35.3 | 157.0 | 0.25  | 0.75  | 0.25  | 54.1 | -27.6 | 18.3  | 33.1 | 146.4 | 6.7  | 149 |
| 32/222 | G50B_075_050a | 0.25   | 0.75   | 0.75   | 0.75   | 0.5      | 0.5     | 210       | 0.25   | 0.75  | 0.75   | 58.5     | -14.8 | -19.9 | 24.8 | 233.2 | 0.25  | 0.75  | 0.75  | 57.1 | -15.7 | -16.9 | 23.0 | 227.1 | 3.4  | 210 |
| 33/186 | B00R_075_050a | 0.25   | 0.25   | 0.75   | 0.75   | 0.5      | 0.5     | 270       | 0.25   | 0.25  | 0.75   | 42.9     | 13.0  | -19.3 | 23.3 | 303.9 | 0.25  | 0.25  | 0.75  | 38.8 | 16.1  | -20.2 | 25.9 | 308.6 | 5.2  | 270 |
| 34/510 | B50R_075_050a | 0.75   | 0.25   | 0.75   | 0.75   | 0.5      | 0.5     | 330       | 0.75   | 0.25  | 0.75   | 53.6     | 39.1  | -0.3  | 39.1 | 359.5 | 0.75  | 0.25  | 0.75  | 53.8 | 42.9  | 0.3   | 42.9 | 0.4   | 3.8  | 330 |
| 35/506 | R00Y_075_050a | 0.75   | 0.25   | 0.25   | 0.75   | 0.5      | 0.5     | 390       | 0.75   | 0.25  | 0.25   | 53.2     | 35.1  | 22.4  | 41.7 | 32.5  | 0.75  | 0.25  | 0.25  | 51.4 | 39.0  | 30.3  | 49.5 | 37.8  | 9.0  | 389 |
| 36/324 | R00Y_050_050a | 0.5    | 0.0    | 0.0    | 0.5    | 0.5      | 0.25    | 390       | 0.5    | 0.0   | 0.0    | 35.0     | 35.1  | 22.4  | 41.7 | 32.5  | 0.5   | 0.0   | 0.0   | 35.3 | 44.4  | 23.5  | 50.3 | 27.9  | 9.3  | 389 |
| 37/342 | R50Y_050_050a | 0.5    | 0.25   | 0.0    | 0.5    | 0.5      | 0.25    | 60        | 0.5    | 0.25  | 0.0    | 45.0     | 14.2  | 33.3  | 36.2 | 66.8  | 0.5   | 0.25  | 0.0   | 44.3 | 23.4  | 33.7  | 41.0 | 55.1  | 9.2  | 59  |
| 38/360 | Y00G_050_050a | 0.5    | 0.5    | 0.0    | 0.5    | 0.5      | 0.25    | 90        | 0.5    | 0.5   | 0.0    | 55.8     | -3.4  | 44.8  | 45.0 | 94.3  | 0.5   | 0.5   | 0.0   | 53.8 | 3.3   | 43.7  | 43.8 | 85.6  | 7.1  | 89  |
| 39/198 | Y50G_050_050a | 0.25   | 0.5    | 0.0    | 0.5    | 0.5      | 0.25    | 120       | 0.25   | 0.5   | 0.0    | 47.1     | -13.4 | 31.1  | 33.9 | 113.3 | 0.25  | 0.5   | 0.0   | 44.3 | -15.5 | 28.9  | 32.8 | 118.3 | 4.1  | 119 |
| 40/36  | G00B_050_050a | 0.0    | 0.5    | 0.0    | 0.5    | 0.5      | 0.25    | 150       | 0.0    | 0.5   | 0.0    | 36.6     | -32.5 | 13.8  | 35.3 | 157.0 | 0.0   | 0.5   | 0.0   | 37.8 | -38.1 | 15.3  | 41.1 | 158.0 | 5.9  | 149 |
| 41/40  | G50B_050_050a | 0.0    | 0.5    | 0.5    | 0.5    | 0.5      | 0.25    | 210       | 0.0    | 0.5   | 0.5    | 40.3     | -14.8 | -19.9 | 24.8 | 233.2 | 0.0   | 0.5   | 0.5   | 40.3 | -22.8 | -14.8 | 27.1 | 212.9 | 9.4  | 210 |
| 42/4   | B00R_050_050a | 0.0    | 0.0    | 0.5    | 0.5    | 0.5      | 0.25    | 270       | 0.0    | 0.0   | 0.5    | 24.7     | 13.0  | -19.3 | 23.3 | 303.9 | 0.0   | 0.0   | 0.5   | 24.6 | 11.7  | -20.3 | 23.5 | 300.0 | 1.5  | 270 |
| 43/328 | B50R_050_050a | 0.5    | 0.0    | 0.5    | 0.5    | 0.5      | 0.25    | 330       | 0.5    | 0.0   | 0.5    | 35.4     | 39.1  | -0.3  | 39.1 | 359.5 | 0.5   | 0.0   | 0.5   | 35.8 | 49.8  | 0.0   | 49.8 | 359.9 | 10.6 | 330 |
| 44/324 | R00Y_050_050a | 0.5    | 0.0    | 0.0    | 0.5    | 0.5      | 0.25    | 390       | 0.5    | 0.0   | 0.0    | 35.0     | 35.1  | 22.4  | 41.7 | 32.5  | 0.5   | 0.0   | 0.0   | 35.3 | 44.4  | 23.5  | 50.3 | 27.9  | 9.3  | 389 |
| 45/0   | NW_000a       | 0.0    | 0.0    | 0.0    | 0.0    | 0.0      | 0.0     | 360       | 0.0    | 0.0   | 0.0    | 23.6     | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 23.6 | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 360 |
| 46/91  | NW_013a       | 0.125  | 0.125  | 0.125  | 0.125  | 0.0      | 0.125   | 360       | 0.125  | 0.125 | 0.125  | 32.7     | 0.0   | 0.0   | 0.0  | 0.0   | 0.125 | 0.125 | 0.125 | 30.1 | 5.2   | 2.9   | 6.0  | 29.1  | 6.5  | 360 |
| 47/182 | NW_025a       | 0.25   | 0.25   | 0.25   | 0.25   | 0.0      | 0.25    | 360       | 0.25   | 0.25  | 0.25   | 41.8     | 0.0   | 0.0   | 0.0  | 0.0   | 0.25  | 0.25  | 0.25  | 36.9 | 6.3   | 5.2   | 8.2  | 39.4  | 9.5  | 360 |
| 48/273 | NW_038a       | 0.375  | 0.375  | 0.375  | 0.375  | 0.0      | 0.375   | 360       | 0.375  | 0.375 | 0.375  | 50.9     | 0.0   | 0.0   | 0.0  | 0.0   | 0.375 | 0.375 | 0.375 | 46.5 | 9.0   | 9.2   | 12.9 | 45.3  | 13.6 | 360 |
| 49/364 | NW_050a       | 0.5    | 0.5    | 0.5    | 0.5    | 0.0      | 0.5     | 360       | 0.5    | 0.5   | 0.5    | 60.0     | 0.0   | 0.0   | 0.0  | 0.0   | 0.5   | 0.5   | 0.5   | 56.1 | 7.9   | 7.5   | 10.9 | 43.3  | 11.6 | 360 |
| 50/455 | NW_063a       | 0.625  | 0.625  | 0.625  | 0.625  | 0.0      | 0.625   | 360       | 0.625  | 0.625 | 0.625  | 69.1     | 0.0   | 0.0   | 0.0  |       |       |       |       |      |       |       |      |       |      |     |

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE17/SE17L0NP.PDF / .PS  
application for measurement of offset print output, separationcnmy0 (CMY0)

TUB material: code=rha4ta

| n=j | HIC*Fd        | rgb_Fd | ict_Fd | hsi_Fd | rgb*Fd | LabCh*Fd | rgb*Fd | LabCh*Fd | DE**Fd | hsi_Md | rgb*Md | LabCh*Md |
|-----|---------------|--------|--------|--------|--------|----------|--------|----------|--------|--------|--------|----------|
| 0   | NW_000a       | 0.0    | 0.0    | 0.0    | 0.0    | 0.0      | 0.0    | 0.0      | 0.0    | 0.0    | 1.0    | 1.0      |
| 1   | B00R_012_012a | 0.0    | 0.0    | 0.125  | 0.125  | 0.125    | 0.062  | 0.062    | 0.0    | 0.0    | 1.0    | 1.0      |
| 2   | B00R_025_025a | 0.0    | 0.0    | 0.25   | 0.25   | 0.25     | 0.125  | 0.125    | 0.0    | 0.0    | 1.0    | 1.0      |
| 3   | B00R_037_037a | 0.0    | 0.0    | 0.375  | 0.375  | 0.375    | 0.187  | 0.187    | 0.0    | 0.0    | 1.0    | 1.0      |
| 4   | B00R_050_050a | 0.0    | 0.0    | 0.5    | 0.5    | 0.5      | 0.25   | 0.25     | 0.0    | 0.0    | 1.0    | 1.0      |
| 5   | B00R_062_062a | 0.0    | 0.0    | 0.625  | 0.625  | 0.625    | 0.312  | 0.312    | 0.0    | 0.0    | 1.0    | 1.0      |
| 6   | B00R_075_075a | 0.0    | 0.0    | 0.75   | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.0    | 1.0    | 1.0      |
| 7   | B00R_087_087a | 0.0    | 0.0    | 0.875  | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.0    | 1.0    | 1.0      |
| 8   | B00R_100_100a | 0.0    | 0.0    | 1.0    | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 0.0    | 1.0    | 1.0      |
| 9   | G00B_012_012a | 0.0    | 0.125  | 0.0    | 0.125  | 0.125    | 0.062  | 0.062    | 0.0    | 0.125  | 0.0    | 0.125    |
| 10  | G50B_012_012a | 0.0    | 0.125  | 0.125  | 0.125  | 0.125    | 0.062  | 0.062    | 0.0    | 0.125  | 0.125  | 0.125    |
| 11  | G75B_025_025a | 0.0    | 0.125  | 0.25   | 0.25   | 0.25     | 0.125  | 0.125    | 0.0    | 0.125  | 0.25   | 0.25     |
| 12  | G84B_037_037a | 0.0    | 0.125  | 0.375  | 0.375  | 0.375    | 0.187  | 0.187    | 0.0    | 0.125  | 0.375  | 0.375    |
| 13  | G88B_050_050a | 0.0    | 0.125  | 0.5    | 0.5    | 0.5      | 0.25   | 0.25     | 0.0    | 0.125  | 0.5    | 0.5      |
| 14  | G90B_062_062a | 0.0    | 0.125  | 0.625  | 0.625  | 0.625    | 0.312  | 0.312    | 0.0    | 0.125  | 0.625  | 0.625    |
| 15  | G92B_075_075a | 0.0    | 0.125  | 0.75   | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.125  | 0.75   | 0.75     |
| 16  | G93B_087_087a | 0.0    | 0.125  | 0.875  | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.125  | 0.875  | 0.875    |
| 17  | G94B_100_100a | 0.0    | 0.125  | 1.0    | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 0.125  | 1.0    | 1.0      |
| 18  | G00B_025_025a | 0.0    | 0.25   | 0.0    | 0.25   | 0.25     | 0.125  | 0.125    | 0.0    | 0.25   | 0.0    | 0.25     |
| 19  | G25B_025_025a | 0.0    | 0.25   | 0.125  | 0.25   | 0.25     | 0.125  | 0.125    | 0.0    | 0.25   | 0.125  | 0.125    |
| 20  | G50B_025_025a | 0.0    | 0.25   | 0.25   | 0.25   | 0.25     | 0.125  | 0.125    | 0.0    | 0.25   | 0.25   | 0.25     |
| 21  | G65B_037_037a | 0.0    | 0.25   | 0.375  | 0.375  | 0.375    | 0.187  | 0.187    | 0.0    | 0.25   | 0.375  | 0.375    |
| 22  | G75B_050_050a | 0.0    | 0.25   | 0.5    | 0.5    | 0.5      | 0.25   | 0.25     | 0.0    | 0.25   | 0.5    | 0.5      |
| 23  | G80B_062_062a | 0.0    | 0.25   | 0.625  | 0.625  | 0.625    | 0.312  | 0.312    | 0.0    | 0.25   | 0.625  | 0.625    |
| 24  | G84B_075_075a | 0.0    | 0.25   | 0.75   | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.25   | 0.75   | 0.75     |
| 25  | G86B_087_087a | 0.0    | 0.25   | 0.875  | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.25   | 0.875  | 0.875    |
| 26  | G88B_100_100a | 0.0    | 0.25   | 1.0    | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 0.25   | 1.0    | 1.0      |
| 27  | G00B_037_037a | 0.0    | 0.375  | 0.0    | 0.375  | 0.375    | 0.187  | 0.187    | 0.0    | 0.375  | 0.0    | 0.375    |
| 28  | G15B_037_037a | 0.0    | 0.375  | 0.125  | 0.375  | 0.375    | 0.187  | 0.187    | 0.0    | 0.375  | 0.125  | 0.375    |
| 29  | G34B_037_037a | 0.0    | 0.375  | 0.25   | 0.375  | 0.375    | 0.187  | 0.187    | 0.0    | 0.375  | 0.25   | 0.375    |
| 30  | G50B_037_037a | 0.0    | 0.375  | 0.375  | 0.375  | 0.375    | 0.187  | 0.187    | 0.0    | 0.375  | 0.375  | 0.375    |
| 31  | G61B_050_050a | 0.0    | 0.375  | 0.5    | 0.5    | 0.5      | 0.25   | 0.25     | 0.0    | 0.375  | 0.5    | 0.5      |
| 32  | G69B_062_062a | 0.0    | 0.375  | 0.625  | 0.625  | 0.625    | 0.312  | 0.312    | 0.0    | 0.375  | 0.625  | 0.625    |
| 33  | G75B_075_075a | 0.0    | 0.375  | 0.75   | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.375  | 0.75   | 0.75     |
| 34  | G79B_087_087a | 0.0    | 0.375  | 0.875  | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.375  | 0.875  | 0.875    |
| 35  | G81B_100_100a | 0.0    | 0.375  | 1.0    | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 0.375  | 1.0    | 1.0      |
| 36  | G00B_050_050a | 0.0    | 0.5    | 0.0    | 0.5    | 0.5      | 0.25   | 0.25     | 0.0    | 0.5    | 0.0    | 0.5      |
| 37  | G11B_050_050a | 0.0    | 0.5    | 0.125  | 0.5    | 0.5      | 0.25   | 0.25     | 0.0    | 0.5    | 0.125  | 0.5      |
| 38  | G25B_050_050a | 0.0    | 0.5    | 0.25   | 0.5    | 0.5      | 0.25   | 0.25     | 0.0    | 0.5    | 0.25   | 0.5      |
| 39  | G38B_050_050a | 0.0    | 0.5    | 0.375  | 0.5    | 0.5      | 0.25   | 0.25     | 0.0    | 0.5    | 0.375  | 0.5      |
| 40  | G50B_050_050a | 0.0    | 0.5    | 0.5    | 0.5    | 0.5      | 0.25   | 0.25     | 0.0    | 0.5    | 0.5    | 0.5      |
| 41  | G59B_062_062a | 0.0    | 0.5    | 0.625  | 0.625  | 0.625    | 0.312  | 0.312    | 0.0    | 0.5    | 0.625  | 0.625    |
| 42  | G65B_075_075a | 0.0    | 0.5    | 0.75   | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.5    | 0.75   | 0.75     |
| 43  | G70B_087_087a | 0.0    | 0.5    | 0.875  | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.5    | 0.875  | 0.875    |
| 44  | G75B_100_100a | 0.0    | 0.5    | 1.0    | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 0.5    | 1.0    | 1.0      |
| 45  | G00B_062_062a | 0.0    | 0.625  | 0.0    | 0.625  | 0.625    | 0.312  | 0.312    | 0.0    | 0.625  | 0.0    | 0.625    |
| 46  | G09B_062_062a | 0.0    | 0.625  | 0.125  | 0.625  | 0.625    | 0.312  | 0.312    | 0.0    | 0.625  | 0.125  | 0.625    |
| 47  | G19B_062_062a | 0.0    | 0.625  | 0.25   | 0.625  | 0.625    | 0.312  | 0.312    | 0.0    | 0.625  | 0.25   | 0.625    |
| 48  | G30B_062_062a | 0.0    | 0.625  | 0.375  | 0.625  | 0.625    | 0.312  | 0.312    | 0.0    | 0.625  | 0.375  | 0.625    |
| 49  | G40B_062_062a | 0.0    | 0.625  | 0.5    | 0.625  | 0.625    | 0.312  | 0.312    | 0.0    | 0.625  | 0.5    | 0.625    |
| 50  | G50B_062_062a | 0.0    | 0.625  | 0.625  | 0.625  | 0.625    | 0.312  | 0.312    | 0.0    | 0.625  | 0.625  | 0.625    |
| 51  | G57B_075_075a | 0.0    | 0.625  | 0.75   | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.625  | 0.75   | 0.75     |
| 52  | G63B_087_087a | 0.0    | 0.625  | 0.875  | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.625  | 0.875  | 0.875    |
| 53  | G68B_100_100a | 0.0    | 0.625  | 1.0    | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 0.625  | 1.0    | 1.0      |
| 54  | G00B_075_075a | 0.0    | 0.75   | 0.0    | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.75   | 0.0    | 0.75     |
| 55  | G07B_075_075a | 0.0    | 0.75   | 0.125  | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.75   | 0.125  | 0.75     |
| 56  | G15B_075_075a | 0.0    | 0.75   | 0.25   | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.75   | 0.25   | 0.75     |
| 57  | G25B_075_075a | 0.0    | 0.75   | 0.375  | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.75   | 0.375  | 0.75     |
| 58  | G34B_075_075a | 0.0    | 0.75   | 0.5    | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.75   | 0.5    | 0.75     |
| 59  | G42B_075_075a | 0.0    | 0.75   | 0.625  | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.75   | 0.625  | 0.75     |
| 60  | G50B_075_075a | 0.0    | 0.75   | 0.75   | 0.75   | 0.75     | 0.375  | 0.375    | 0.0    | 0.75   | 0.75   | 0.75     |
| 61  | G56B_087_087a | 0.0    | 0.75   | 0.875  | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.75   | 0.875  | 0.875    |
| 62  | G61B_100_100a | 0.0    | 0.75   | 1.0    | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 0.75   | 1.0    | 1.0      |
| 63  | G00B_087_087a | 0.0    | 0.875  | 0.0    | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.875  | 0.0    | 0.875    |
| 64  | G06B_087_087a | 0.0    | 0.875  | 0.125  | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.875  | 0.125  | 0.875    |
| 65  | G13B_087_087a | 0.0    | 0.875  | 0.25   | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.875  | 0.25   | 0.875    |
| 66  | G20B_087_087a | 0.0    | 0.875  | 0.375  | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.875  | 0.375  | 0.875    |
| 67  | G29B_087_087a | 0.0    | 0.875  | 0.5    | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.875  | 0.5    | 0.875    |
| 68  | G36B_087_087a | 0.0    | 0.875  | 0.625  | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.875  | 0.625  | 0.875    |
| 69  | G43B_087_087a | 0.0    | 0.875  | 0.75   | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.875  | 0.75   | 0.875    |
| 70  | G50B_087_087a | 0.0    | 0.875  | 0.875  | 0.875  | 0.875    | 0.437  | 0.437    | 0.0    | 0.875  | 0.875  | 0.875    |
| 71  | G55B_100_100a | 0.0    | 0.875  | 1.0    | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 0.875  | 1.0    | 1.0      |
| 72  | G00B_100_100a | 0.0    | 1.0    | 0.0    | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 1.0    | 0.0    | 1.0      |
| 73  | G05B_100_100a | 0.0    | 1.0    | 0.125  | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 1.0    | 0.125  | 1.0      |
| 74  | G11B_100_100a | 0.0    | 1.0    | 0.25   | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 1.0    | 0.25   | 1.0      |
| 75  | G18B_100_100a | 0.0    | 1.0    | 0.375  | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 1.0    | 0.375  | 1.0      |
| 76  | G25B_100_100a | 0.0    | 1.0    | 0.5    | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 1.0    | 0.5    | 1.0      |
| 77  | G31B_100_100a | 0.0    | 1.0    | 0.625  | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 1.0    | 0.625  | 1.0      |
| 78  | G38B_100_100a | 0.0    | 1.0    | 0.75   | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 1.0    | 0.75   | 1.0      |
| 79  | G44B_100_100a | 0.0    | 1.0    | 0.875  | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 1.0    | 0.875  | 1.0      |
| 80  | G50B_100_100a | 0.0    | 1.0    | 1.0    | 1.0    | 1.0      | 0.5    | 0.5      | 0.0    | 1.0    | 1.0    | 1.0      |

Mean color difference of this page: delta E\* = 3.7

1-0031931-F0

SE170--7N, Page 20/33-F

TUB-test chart SE17; 1080 colours, offset standard paper  
colors and differences,  $\Delta E^*$ , 3D=0, de=0, cmY0

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmy0_d$

1-0031931-F0

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF /PS; transfer output  
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 21/33

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF> /PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| n   | HIC*Fd        | rgb_Fd            | ict_Fd            | hsi_Fd | rgb**Fd           | LabCh*Fd         | rgb**Fd    | LabCh**Fd         | DE**Fd          | hsi_d          | rgb**Md | LabCh**Md     |                  |            |
|-----|---------------|-------------------|-------------------|--------|-------------------|------------------|------------|-------------------|-----------------|----------------|---------|---------------|------------------|------------|
| 81  | R00Y_012_012a | 0.125 0.0 0.0     | 0.125 0.125 0.062 | 390    | 0.125 0.0 0.0     | 26.4 8.7 5.6     | 10.4 32.5  | 0.125 0.0 0.0     | 26.5 13.7 4.2   | 14.3 17.0 5.1  | 389     | 1.0 0.0 0.0   | 46.4 70.3 44.9   | 83.4 32.5  |
| 82  | B50R_012_012a | 0.125 0.0 0.125   | 0.125 0.125 0.062 | 330    | 0.125 0.0 0.125   | 26.5 9.7 0.0     | 9.7 359.5  | 0.125 0.0 0.125   | 26.6 14.9 -0.8  | 14.9 356.7 5.2 | 330     | 1.0 0.0 1.0   | 47.2 78.3 -0.6   | 78.3 359.5 |
| 83  | B25R_025_025a | 0.125 0.0 0.25    | 0.25 0.25 0.125   | 300    | 0.125 0.0 0.25    | 26.9 14.1 -4.9   | 14.9 340.6 | 0.125 0.0 0.25    | 27.0 17.2 -6.2  | 18.3 340.1 3.3 | 300     | 0.5 0.0 1.0   | 36.7 56.5 -19.8  | 59.9 340.6 |
| 84  | B15R_037_037a | 0.125 0.0 0.375   | 0.375 0.375 0.187 | 289    | 0.118 0.0 0.375   | 26.5 17.0 -10.5  | 20.0 328.3 | 0.125 0.0 0.375   | 27.0 19.0 -11.5 | 22.3 328.8 2.3 | 288     | 0.316 0.0 1.0 | 31.4 45.5 -28.0  | 53.4 328.3 |
| 85  | B11R_050_050a | 0.125 0.0 0.5     | 0.5 0.5 0.25      | 284    | 0.116 0.0 0.5     | 26.3 19.4 -15.8  | 25.1 320.7 | 0.125 0.0 0.5     | 27.2 21.5 -17.0 | 27.4 321.6 2.4 | 282     | 0.233 0.0 1.0 | 29.1 38.9 -31.7  | 50.2 320.7 |
| 86  | B09R_062_062a | 0.125 0.0 0.625   | 0.625 0.625 0.312 | 281    | 0.114 0.0 0.625   | 26.8 22.5 -20.8  | 30.7 317.1 | 0.125 0.0 0.625   | 27.3 24.6 -22.0 | 33.0 318.2 2.4 | 279     | 0.183 0.0 1.0 | 28.8 36.0 -33.4  | 49.1 317.1 |
| 87  | B07R_075_075a | 0.125 0.0 0.75    | 0.75 0.75 0.375   | 279    | 0.112 0.0 0.75    | 27.3 25.5 -25.8  | 36.3 314.7 | 0.125 0.0 0.75    | 27.6 27.5 -26.7 | 38.3 315.8 2.1 | 278     | 0.15 0.0 1.0  | 28.6 34.1 -34.4  | 48.4 314.7 |
| 88  | B06R_087_087a | 0.125 0.0 0.875   | 0.875 0.875 0.437 | 278    | 0.116 0.0 0.875   | 27.9 28.9 -30.5  | 42.0 313.5 | 0.125 0.0 0.875   | 27.9 30.3 -31.1 | 43.5 314.2 1.5 | 277     | 0.133 0.0 1.0 | 28.5 33.1 -34.8  | 48.1 313.5 |
| 89  | B05R_100_100a | 0.125 0.0 1.0     | 1.0 1.0 0.5       | 277    | 0.116 0.0 1.0     | 28.2 32.2 -35.3  | 47.8 312.3 | 0.125 0.0 1.0     | 28.4 32.6 -35.0 | 47.9 312.9 0.5 | 276     | 0.116 0.0 1.0 | 28.2 32.2 -35.3  | 47.8 312.3 |
| 90  | Y00G_012_012a | 0.125 0.125 0.0   | 0.125 0.125 0.062 | 90     | 0.125 0.125 0.0   | 31.6 -0.8 11.2   | 11.2 94.3  | 0.125 0.125 0.0   | 29.7 3.8 7.9    | 8.8 64.1 6.0   | 89      | 1.0 1.0 0.0   | 88.0 -6.8 89.7   | 90.0 94.3  |
| 91  | NW_012a       | 0.125 0.125 0.125 | 0.125 0.0 0.125   | 360    | 0.125 0.125 0.125 | 32.7 0.0 0.0     | 0.0 0.0    | 0.125 0.125 0.125 | 30.1 5.2 2.9    | 6.0 29.1 6.5   | 360     | 1.0 1.0 1.0   | 96.4 0.0 0.0     | 0.0 0.0    |
| 92  | B00R_025_012a | 0.125 0.125 0.25  | 0.25 0.125 0.187  | 270    | 0.124 0.124 0.25  | 32.9 3.2 -4.8    | 5.8 303.9  | 0.125 0.125 0.25  | 30.6 7.3 -3.4   | 8.0 334.9 4.9  | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7  | 46.7 303.9 |
| 93  | B00R_037_025a | 0.125 0.125 0.375 | 0.375 0.25 0.25   | 270    | 0.124 0.124 0.375 | 33.2 6.5 -9.6    | 11.6 303.9 | 0.125 0.125 0.375 | 30.9 10.2 -9.8  | 14.2 316.0 4.3 | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7  | 46.7 303.9 |
| 94  | B00R_050_037a | 0.125 0.125 0.5   | 0.5 0.375 0.312   | 270    | 0.124 0.124 0.5   | 33.5 9.7 -14.5   | 17.5 303.9 | 0.125 0.125 0.5   | 31.0 12.6 -15.5 | 20.0 309.0 3.9 | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7  | 46.7 303.9 |
| 95  | B00R_062_050a | 0.125 0.125 0.625 | 0.625 0.5 0.375   | 270    | 0.125 0.125 0.625 | 33.8 13.0 -19.3  | 23.3 303.9 | 0.125 0.125 0.625 | 31.5 15.9 -20.9 | 26.3 307.3 4.0 | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7  | 46.7 303.9 |
| 96  | B00R_075_062a | 0.125 0.125 0.75  | 0.75 0.625 0.437  | 270    | 0.125 0.125 0.75  | 34.1 16.2 -24.2  | 29.2 303.9 | 0.125 0.125 0.75  | 32.0 18.3 -26.0 | 31.8 305.2 3.4 | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7  | 46.7 303.9 |
| 97  | B00R_087_075a | 0.125 0.125 0.875 | 0.875 0.75 0.5    | 270    | 0.125 0.125 0.875 | 34.4 19.5 -29.0  | 35.0 303.9 | 0.125 0.125 0.875 | 32.3 21.7 -30.7 | 37.6 305.2 3.3 | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7  | 46.7 303.9 |
| 98  | B00R_100_087a | 0.125 0.125 1.0   | 1.0 0.875 0.562   | 270    | 0.125 0.125 1.0   | 34.6 22.8 -33.9  | 40.8 303.9 | 0.125 0.125 1.0   | 32.9 24.1 -35.3 | 42.7 304.2 2.5 | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7  | 46.7 303.9 |
| 99  | Y50G_025_025a | 0.125 0.25 0.0    | 0.25 0.25 0.125   | 120    | 0.125 0.25 0.0    | 35.3 -6.7 15.5   | 16.9 113.3 | 0.125 0.25 0.0    | 34.1 -7.0 13.3  | 15.0 118.0 2.5 | 119     | 0.5 1.0 0.0   | 70.6 -26.9 62.2  | 67.8 113.3 |
| 100 | G00B_025_012a | 0.125 0.25 0.125  | 0.25 0.125 0.187  | 150    | 0.124 0.25 0.124  | 35.9 -8.1 3.4    | 8.8 157.0  | 0.125 0.25 0.125  | 34.4 -5.6 7.2   | 9.2 127.8 4.7  | 149     | 0.0 1.0 0.0   | 49.6 -65.0 27.6  | 70.6 157.0 |
| 101 | G50B_025_012a | 0.125 0.25 0.25   | 0.25 0.125 0.187  | 210    | 0.124 0.25 0.25   | 36.8 -3.7 -4.9   | 6.2 233.2  | 0.125 0.25 0.25   | 35.0 -2.8 -0.1  | 2.8 183.5 5.2  | 210     | 0.0 1.0 1.0   | 57.0 -29.7 -39.8 | 49.7 233.2 |
| 102 | G75B_037_025a | 0.125 0.25 0.375  | 0.375 0.25 0.25   | 240    | 0.124 0.25 0.375  | 37.5 -1.5 -9.8   | 9.9 260.8  | 0.125 0.25 0.375  | 35.5 -0.4 -7.1  | 7.1 266.6 3.6  | 240     | 0.0 0.5 1.0   | 43.1 -63.3 -39.3 | 39.8 260.8 |
| 103 | G84B_050_037a | 0.125 0.25 0.5    | 0.5 0.375 0.312   | 251    | 0.124 0.243 0.5   | 37.5 2.0 -14.6   | 14.7 277.8 | 0.125 0.25 0.5    | 35.6 2.4 -13.2  | 13.4 280.3 2.3 | 251     | 0.0 0.316 1.0 | 36.4 5.3 -39.0   | 39.4 277.8 |
| 104 | G88B_062_050a | 0.125 0.25 0.625  | 0.625 0.5 0.375   | 256    | 0.125 0.241 0.625 | 37.6 5.4 -19.4   | 20.2 285.7 | 0.125 0.25 0.625  | 35.9 6.3 -19.2  | 20.2 288.2 1.8 | 257     | 0.0 0.233 1.0 | 33.5 10.9 -38.9  | 40.4 285.7 |
| 105 | G90B_075_062a | 0.125 0.25 0.75   | 0.75 0.625 0.437  | 259    | 0.125 0.239 0.75  | 37.7 9.0 -24.4   | 26.0 290.2 | 0.125 0.25 0.75   | 36.5 9.0 -24.7  | 26.3 290.1 1.2 | 260     | 0.0 0.183 1.0 | 31.6 14.4 -39.0  | 41.6 290.2 |
| 106 | G92B_087_075a | 0.125 0.25 0.875  | 0.875 0.75 0.5    | 261    | 0.125 0.237 0.875 | 37.8 12.5 -29.2  | 31.8 293.2 | 0.125 0.25 0.875  | 36.6 12.6 -30.1 | 32.7 292.8 1.4 | 262     | 0.0 0.15 1.0  | 30.4 16.7 -39.0  | 42.4 293.2 |
| 107 | G93B_100_087a | 0.125 0.25 1.0    | 1.0 0.875 0.562   | 262    | 0.125 0.241 1.0   | 38.1 15.6 -34.0  | 37.5 294.7 | 0.125 0.25 1.0    | 37.5 15.1 -34.9 | 38.0 293.4 1.1 | 262     | 0.0 0.133 1.0 | 29.8 17.9 -38.9  | 42.8 294.7 |
| 108 | Y68G_037_037a | 0.125 0.375 0.0   | 0.375 0.375 0.187 | 131    | 0.118 0.375 0.0   | 38.0 -14.9 18.9  | 24.1 128.2 | 0.125 0.375 0.0   | 37.7 -17.2 17.1 | 24.3 135.0 2.9 | 131     | 0.316 1.0 0.0 | 62.1 -39.8 50.5  | 64.3 128.2 |
| 109 | G00B_037_025a | 0.125 0.375 0.125 | 0.375 0.25 0.25   | 150    | 0.124 0.375 0.124 | 39.2 -16.2 6.9   | 17.6 157.0 | 0.125 0.375 0.125 | 38.5 -15.2 10.5 | 18.5 145.1 3.9 | 149     | 0.0 1.0 0.0   | 49.6 -65.0 27.6  | 70.6 157.0 |
| 110 | G25B_037_025a | 0.125 0.375 0.25  | 0.375 0.25 0.25   | 180    | 0.124 0.375 0.25  | 40.0 -12.0 -2.7  | 12.3 192.6 | 0.125 0.375 0.25  | 38.9 -12.4 3.2  | 12.8 165.1 6.1 | 180     | 0.0 1.0 0.5   | 53.0 -48.2 -10.8 | 49.4 192.6 |
| 111 | G50B_037_025a | 0.125 0.375 0.375 | 0.375 0.25 0.25   | 210    | 0.124 0.375 0.375 | 41.0 -7.4 -9.9   | 12.4 233.2 | 0.125 0.375 0.375 | 39.5 -9.3 -4.1  | 10.2 204.0 6.2 | 210     | 0.0 1.0 1.0   | 57.0 -29.7 -39.8 | 49.7 233.2 |
| 112 | G65B_050_037a | 0.125 0.375 0.5   | 0.5 0.375 0.312   | 229    | 0.124 0.381 0.5   | 42.3 -6.3 -14.8  | 16.1 246.9 | 0.125 0.375 0.5   | 40.4 -7.5 -11.2 | 13.4 236.1 4.3 | 228     | 0.0 0.683 1.0 | 49.1 -16.8 -39.6 | 43.1 246.9 |
| 113 | G75B_062_050a | 0.125 0.375 0.625 | 0.625 0.5 0.375   | 240    | 0.125 0.375 0.625 | 42.4 -3.1 -19.6  | 19.9 260.8 | 0.125 0.375 0.625 | 40.5 -3.1 -17.7 | 18.0 259.9 2.7 | 240     | 0.0 0.5 1.0   | 43.1 -63.3 -39.3 | 39.8 260.8 |
| 114 | G80B_075_062a | 0.125 0.375 0.75  | 0.75 0.625 0.437  | 247    | 0.125 0.364 0.75  | 42.2 0.6 -24.3   | 24.3 271.5 | 0.125 0.375 0.75  | 40.6 1.2 -24.1  | 24.2 273.0 1.7 | 247     | 0.0 0.383 1.0 | 38.8 1.0 -38.9   | 38.9 271.5 |
| 115 | G84B_087_075a | 0.125 0.375 0.875 | 0.875 0.75 0.5    | 251    | 0.125 0.362 0.875 | 42.3 4.0 -29.3   | 29.5 277.8 | 0.125 0.375 0.875 | 41.2 4.4 -29.6  | 29.9 278.4 1.2 | 251     | 0.0 0.316 1.0 | 36.4 5.3 -39.0   | 39.4 277.8 |
| 116 | G86B_100_087a | 0.125 0.375 1.0   | 1.0 0.875 0.562   | 254    | 0.125 0.358 1.0   | 42.4 7.6 -34.0   | 34.9 282.6 | 0.125 0.375 1.0   | 41.4 7.9 -34.8  | 35.7 288.2 1.2 | 255     | 0.0 0.266 1.0 | 34.7 8.7 -38.9   | 39.9 282.6 |
| 117 | Y76G_050_050a | 0.125 0.5 0.0     | 0.5 0.5 0.25      | 136    | 0.116 0.5 0.0     | 40.7 -23.6 21.8  | 32.2 137.2 | 0.125 0.5 0.0     | 41.3 -26.0 21.1 | 33.5 140.8 2.4 | 137     | 0.233 1.0 0.0 | 57.9 -47.3 43.7  | 64.5 137.2 |
| 118 | G00B_050_037a | 0.125 0.5 0.125   | 0.5 0.375 0.312   | 150    | 0.124 0.5 0.124   | 42.4 -24.4 10.3  | 26.5 157.0 | 0.125 0.5 0.125   | 42.1 -23.3 13.7 | 27.0 149.4 3.6 | 149     | 0.0 1.0 0.0   | 49.6 -65.0 27.6  | 70.6 157.0 |
| 119 | G15B_050_037a | 0.125 0.5 0.25    | 0.5 0.375 0.312   | 169    | 0.124 0.5 0.243   | 43.2 -21.0 1.4   | 21.1 176.0 | 0.125 0.5 0.25    | 42.7 -20.8 5.8  | 21.6 164.2 4.4 | 168     | 0.0 1.0 0.316 | 51.6 -56.1 3.9   | 56.3 176.0 |
| 120 | G34B_050_037a | 0.125 0.5 0.375   | 0.5 0.375 0.312   | 191    | 0.124 0.5 0.381   | 44.3 -15.4 -8.8  | 17.7 209.7 | 0.125 0.5 0.375   | 43.4 -17.4 -2.8 | 17.6 189.2 6.3 | 191     | 0.0 1.0 0.683 | 54.7 -41.1 -23.5 | 47.4 209.7 |
| 121 | G50B_050_037a | 0.125 0.5 0.5     | 0.5 0.375 0.312   | 210    | 0.124 0.5 0.5     | 45.2 -11.1 -14.9 | 18.6 233.2 | 0.125 0.5 0.5     | 44.0 -14.8 -9.8 | 17.8 213.6 6.3 |         |               |                  |            |

| n   | HIC*Fd        | rgb_Fd           | ict_Fd            | hsi_Fd | rgb*Fd            | LabCh*Fd         | rgb**Fd    | LabCh**Fd        | DE**Fd          | hsi.d          | rgb**Md | LabCh**Md     |                 |            |       |
|-----|---------------|------------------|-------------------|--------|-------------------|------------------|------------|------------------|-----------------|----------------|---------|---------------|-----------------|------------|-------|
| 162 | R00Y_025_025a | 0.25 0.0 0.0     | 0.25 0.25 0.125   | 390    | 0.25 0.0 0.0      | 29.3 17.5 11.2   | 20.8 32.5  | 0.25 0.0 0.0     | 28.1 24.1 8.6   | 25.6 19.6 7.1  | 389     | 1.0 0.0 0.0   | 46.4 70.3 44.9  | 83.4 32.5  |       |
| 163 | R00Y_025_025a | 0.25 0.0 0.125   | 0.25 0.25 0.125   | 360    | 0.25 0.0 0.125    | 29.4 18.5 4.7    | 19.1 14.4  | 0.25 0.0 0.125   | 28.3 25.5 3.9   | 25.8 8.8 7.1   | 360     | 1.0 0.0 0.5   | 46.7 74.0 19.0  | 76.4 14.4  |       |
| 164 | B50R_025_025a | 0.25 0.0 0.25    | 0.25 0.25 0.125   | 330    | 0.25 0.0 0.25     | 29.5 19.5 -0.1   | 19.5 359.5 | 0.25 0.0 0.25    | 28.6 27.2 -1.6  | 27.2 356.5 7.8 | 330     | 1.0 0.0 1.0   | 47.2 78.3 -0.6  | 78.3 359.5 |       |
| 165 | B34R_037_037a | 0.25 0.0 0.375   | 0.375 0.375 0.187 | 311    | 0.256 0.0 0.375   | 30.0 25.1 -4.1   | 25.5 350.6 | 0.25 0.0 0.375   | 28.9 29.7 -6.4  | 30.4 347.7 5.2 | 311     | 0.683 0.0 1.0 | 40.8 67.1 -11.0 | 68.0 350.6 |       |
| 166 | B25R_050_050a | 0.25 0.0 0.5     | 0.5 0.5 0.25      | 300    | 0.25 0.0 0.5      | 30.2 28.2 -9.9   | 29.9 340.6 | 0.25 0.0 0.5     | 28.9 30.6 -12.2 | 33.0 338.2 3.5 | 300     | 0.5 0.0 1.0   | 36.7 56.5 -19.8 | 59.9 340.6 |       |
| 167 | B19R_062_062a | 0.25 0.0 0.625   | 0.625 0.625 0.312 | 293    | 0.239 0.0 0.625   | 29.8 31.6 -15.2  | 35.1 334.3 | 0.25 0.0 0.625   | 28.7 32.2 -17.7 | 36.8 331.1 2.8 | 292     | 0.383 0.0 1.0 | 33.5 50.6 -24.3 | 56.2 334.3 |       |
| 168 | B15R_075_075a | 0.25 0.0 0.75    | 0.75 0.75 0.375   | 289    | 0.237 0.0 0.75    | 29.4 34.1 -21.0  | 40.1 328.3 | 0.25 0.0 0.75    | 28.7 34.8 -22.6 | 41.6 326.9 1.9 | 288     | 0.316 0.0 1.0 | 31.4 45.5 -28.0 | 53.4 328.3 |       |
| 169 | B13R_087_087a | 0.25 0.0 0.875   | 0.875 0.875 0.437 | 286    | 0.233 0.0 0.875   | 29.0 36.1 -26.6  | 44.9 323.5 | 0.25 0.0 0.875   | 29.0 37.5 -27.1 | 46.3 324.1 1.4 | 284     | 0.266 0.0 1.0 | 29.8 41.3 -30.4 | 51.3 323.5 |       |
| 170 | B11R_100_100a | 0.25 0.0 1.0     | 1.0 1.0 0.5       | 284    | 0.233 0.0 1.0     | 29.1 38.9 -31.7  | 50.2 320.7 | 0.25 0.0 1.0     | 29.2 39.8 -31.1 | 50.6 322.0 1.1 | 282     | 0.233 0.0 1.0 | 29.1 38.9 -31.7 | 50.2 320.7 |       |
| 171 | R50Y_025_025a | 0.25 0.125 0.0   | 0.25 0.25 0.125   | 60     | 0.25 0.125 0.0    | 34.3 7.1 16.6    | 18.1 66.8  | 0.25 0.125 0.0   | 31.6 14.6 12.9  | 19.5 4.4 8.8   | 59      | 1.0 0.5 0.0   | 66.4 28.5 66.7  | 72.5 66.8  |       |
| 172 | R00Y_025_012a | 0.25 0.125 0.125 | 0.25 0.125 0.187  | 390    | 0.25 0.124 0.124  | 35.5 8.7 5.6     | 10.4 32.5  | 0.25 0.125 0.125 | 31.8 16.2 7.4   | 17.8 24.7 8.5  | 389     | 1.0 0.0 0.0   | 46.4 70.3 44.9  | 83.4 32.5  |       |
| 173 | B50R_025_012a | 0.25 0.125 0.25  | 0.25 0.125 0.187  | 330    | 0.25 0.124 0.25   | 35.6 9.7 0.0     | 9.7 359.5  | 0.25 0.125 0.25  | 32.1 17.6 1.4   | 17.7 4.7 8.7   | 330     | 1.0 0.0 0.5   | 47.2 78.3 -0.6  | 78.3 359.5 |       |
| 174 | B25R_037_025a | 0.25 0.125 0.375 | 0.375 0.25 0.25   | 300    | 0.25 0.124 0.375  | 36.0 14.1 -4.9   | 14.9 340.6 | 0.25 0.125 0.375 | 32.4 19.2 -4.6  | 19.7 346.4 6.2 | 300     | 0.5 0.0 1.0   | 36.7 56.5 -19.8 | 59.9 340.6 |       |
| 175 | B15R_050_037a | 0.25 0.125 0.5   | 0.5 0.375 0.312   | 289    | 0.243 0.124 0.5   | 35.6 17.0 -10.5  | 20.0 328.3 | 0.25 0.125 0.5   | 32.4 21.4 -11.0 | 24.1 332.7 5.4 | 288     | 0.316 0.0 1.0 | 31.4 45.5 -28.0 | 53.4 328.3 |       |
| 176 | B11R_062_050a | 0.25 0.125 0.625 | 0.625 0.5 0.375   | 284    | 0.241 0.125 0.625 | 35.5 19.4 -15.8  | 25.1 320.7 | 0.25 0.125 0.625 | 32.8 23.2 -16.5 | 28.5 324.4 4.6 | 282     | 0.233 0.0 1.0 | 29.1 38.9 -31.7 | 50.2 320.7 |       |
| 177 | B09R_075_062a | 0.25 0.125 0.75  | 0.75 0.625 0.437  | 281    | 0.239 0.125 0.75  | 35.9 22.5 -20.8  | 30.7 317.1 | 0.25 0.125 0.75  | 33.2 26.2 -21.7 | 34.1 320.3 4.7 | 279     | 0.183 0.0 1.0 | 28.8 36.0 -33.4 | 49.1 317.1 |       |
| 178 | B07R_087_075a | 0.25 0.125 0.875 | 0.875 0.75 0.5    | 279    | 0.237 0.125 0.875 | 36.4 25.5 -25.8  | 36.3 314.7 | 0.25 0.125 0.875 | 33.4 28.6 -26.9 | 39.2 316.7 4.4 | 278     | 0.15 0.0 1.0  | 28.6 34.1 -34.4 | 48.4 314.7 |       |
| 179 | B06R_100_087a | 0.25 0.125 1.0   | 1.0 0.875 0.562   | 278    | 0.241 0.125 1.0   | 37.0 28.9 -30.5  | 42.0 313.5 | 0.25 0.125 1.0   | 33.6 31.3 -31.2 | 44.2 315.0 4.1 | 277     | 0.133 0.0 1.0 | 28.5 33.1 -34.8 | 48.1 313.5 |       |
| 180 | Y00G_025_025a | 0.25 0.25 0.0    | 0.25 0.25 0.125   | 90     | 0.25 0.25 0.0     | 39.7 -1.7 22.4   | 22.5 94.3  | 0.25 0.25 0.0    | 36.0 3.6 18.5   | 18.9 78.8 7.5  | 89      | 1.0 1.0 0.0   | 88.0 -6.8 89.7  | 90.0 94.3  |       |
| 181 | Y00G_025_012a | 0.25 0.25 0.125  | 0.25 0.125 0.187  | 90     | 0.25 0.25 0.124   | 40.7 -0.8 11.2   | 11.2 94.3  | 0.25 0.25 0.125  | 36.4 4.5 12.3   | 13.2 69.6 7.0  | 89      | 1.0 1.0 0.0   | 88.0 -6.8 89.7  | 90.0 94.3  |       |
| 182 | NW_025a       | 0.25 0.25 0.25   | 0.25 0.0 0.25     | 360    | 0.25 0.25 0.25    | 41.8 0.0 0.0     | 0.0 0.0    | 0.25 0.25 0.25   | 36.9 6.3 5.2    | 8.2 39.4 9.5   | 360     | 1.0 1.0 1.0   | 96.4 0.0 0.0    | 0.0 0.0    |       |
| 183 | B00R_037_012a | 0.25 0.25 0.375  | 0.375 0.125 0.312 | 270    | 0.249 0.249 0.375 | 42.1 3.2 -4.8    | 5.8 303.9  | 0.25 0.25 0.375  | 37.3 8.5 -1.6   | 8.7 349.2 7.8  | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7 | 46.7 303.9 |       |
| 184 | B00R_050_025a | 0.25 0.25 0.5    | 0.5 0.25 0.375    | 270    | 0.249 0.249 0.5   | 42.3 6.5 -9.6    | 11.6 303.9 | 0.25 0.25 0.5    | 37.8 10.5 -8.3  | 13.4 321.7 6.2 | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7 | 46.7 303.9 |       |
| 185 | B00R_062_037a | 0.25 0.25 0.625  | 0.625 0.375 0.437 | 270    | 0.25 0.25 0.625   | 42.6 9.7 -14.5   | 17.5 303.9 | 0.25 0.25 0.625  | 38.1 13.6 -14.5 | 19.9 313.1 5.9 | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7 | 46.7 303.9 |       |
| 186 | B00R_075_050a | 0.25 0.25 0.75   | 0.75 0.5 0.5      | 270    | 0.25 0.25 0.75    | 42.9 13.0 -19.3  | 23.3 303.9 | 0.25 0.25 0.75   | 38.8 16.1 -20.2 | 25.9 308.6 5.2 | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7 | 46.7 303.9 |       |
| 187 | B00R_087_062a | 0.25 0.25 0.875  | 0.875 0.625 0.562 | 270    | 0.25 0.25 0.875   | 43.2 16.2 -24.2  | 29.2 303.9 | 0.25 0.25 0.875  | 39.2 19.0 -25.4 | 31.7 306.8 5.0 | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7 | 46.7 303.9 |       |
| 188 | B00R_100_075a | 0.25 0.25 1.0    | 1.0 0.75 0.625    | 270    | 0.25 0.25 1.0     | 43.5 19.5 -29.0  | 35.0 303.9 | 0.25 0.25 1.0    | 39.5 21.5 -30.4 | 37.3 305.2 4.6 | 270     | 0.0 0.0 1.0   | 25.8 26.0 -38.7 | 46.7 303.9 |       |
| 189 | Y31G_037_037a | 0.25 0.375 0.0   | 0.375 0.375 0.187 | 109    | 0.256 0.375 0.0   | 44.0 -6.6 28.1   | 28.9 103.3 | 0.25 0.375 0.0   | 40.4 -5.4 24.2  | 24.8 102.5 5.4 | 108     | 0.683 1.0 0.0 | 78.1 -17.7      | 75.0 77.1  | 103.3 |
| 190 | Y50G_037_025a | 0.25 0.375 0.125 | 0.375 0.25 0.25   | 120    | 0.25 0.375 0.124  | 44.4 -6.7 15.5   | 16.9 113.3 | 0.25 0.375 0.125 | 40.6 -4.8 16.5  | 17.2 106.2 4.3 | 119     | 0.5 1.0 0.0   | 70.6 -26.9      | 62.2 67.8  | 113.3 |
| 191 | G00B_037_012a | 0.25 0.375 0.25  | 0.375 0.125 0.312 | 150    | 0.249 0.375 0.249 | 45.0 -8.1 3.4    | 8.8 157.0  | 0.25 0.375 0.25  | 41.0 -2.7 8.6   | 9.1 107.5 8.5  | 149     | 0.0 1.0 0.0   | 49.6 -65.0      | 27.6 70.6  | 157.0 |
| 192 | G50B_037_012a | 0.25 0.375 0.375 | 0.375 0.125 0.312 | 210    | 0.249 0.375 0.375 | 46.0 -3.7 -4.9   | 6.2 233.2  | 0.25 0.375 0.375 | 41.6 -0.9 0.8   | 1.3 137.6 7.8  | 210     | 0.0 1.0 1.0   | 57.0 -29.7      | -39.8 49.7 | 233.2 |
| 193 | G75B_050_025a | 0.25 0.375 0.5   | 0.5 0.25 0.375    | 240    | 0.249 0.375 0.5   | 46.7 -1.5 -9.8   | 9.9 260.8  | 0.25 0.375 0.5   | 42.2 1.5 -6.3   | 6.5 283.9 6.4  | 240     | 0.0 0.5 1.0   | 43.1 -6.3       | -39.3 39.8 | 260.8 |
| 194 | G84B_062_037a | 0.25 0.375 0.625 | 0.625 0.375 0.437 | 251    | 0.25 0.368 0.625  | 46.6 2.0 -14.6   | 14.7 277.8 | 0.25 0.375 0.625 | 42.3 5.0 -13.1  | 14.0 291.2 5.5 | 251     | 0.0 0.316 1.0 | 36.4 5.3        | -39.0 39.4 | 277.8 |
| 195 | G88B_075_050a | 0.25 0.375 0.75  | 0.75 0.5 0.5      | 256    | 0.25 0.366 0.75   | 46.7 5.4 -19.4   | 20.2 285.7 | 0.25 0.375 0.75  | 43.1 7.9 -19.4  | 21.0 292.2 4.3 | 257     | 0.0 0.233 1.0 | 33.5 10.9       | -38.9 40.4 | 285.7 |
| 196 | G90B_087_062a | 0.25 0.375 0.875 | 0.875 0.625 0.562 | 259    | 0.25 0.364 0.875  | 46.8 9.0 -24.4   | 26.0 290.2 | 0.25 0.375 0.875 | 43.0 11.5 -25.2 | 27.7 294.6 4.6 | 260     | 0.0 0.183 1.0 | 31.6 14.4       | -39.0 41.6 | 290.2 |
| 197 | G92B_100_075a | 0.25 0.375 1.0   | 1.0 0.75 0.625    | 261    | 0.25 0.362 1.0    | 46.9 -12.5 -29.2 | 31.8 293.2 | 0.25 0.375 1.0   | 43.7 14.2 -30.4 | 33.5 295.0 3.8 | 262     | 0.0 0.15 1.0  | 30.4 16.7       | -39.0 42.4 | 293.2 |
| 198 | Y50G_050_050a | 0.25 0.5 0.0     | 0.5 0.5 0.25      | 120    | 0.25 0.5 0.0      | 47.1 -13.4 -31.1 | 33.9 113.3 | 0.25 0.5 0.0     | 44.3 -15.5 28.9 | 32.8 118.3 4.1 | 119     | 0.5 1.0 0.0   | 70.6 -26.9      | 62.2 67.8  | 113.3 |
| 199 | Y68G_050_037a | 0.25 0.5 0.125   | 0.5 0.375 0.312   | 131    | 0.243 0.5 0.124   | 47.1 -14.9 18.9  | 24.1 128.2 | 0.25 0.5 0.125   | 44.6 -14.8 20.4 | 25.2 126.1 2.9 | 131     | 0.316 1.0 0.0 | 62.1 -39.8      | 50.5 64.3  | 128.2 |
| 200 | G00B_050_025a | 0.25 0.5 0.25    | 0.5 0.25 0.375    | 150    | 0.249 0.5 0.249   | 48.3 -16.2 6.9   | 17.6 157.0 | 0.25 0.5 0.25    | 45.5 -11.8 11.6 | 17.7 165.0 7.1 | 149     | 0.0 1.0 0.0   | 49.6 -65.0      | 27.6 70.6  | 157.0 |
| 201 | G25B_050_025a | 0.25 0.5 0.375   | 0.5 0.25 0.375    | 180    | 0.249 0.5 0.375   | 49.1 -12.0 -2.7  | 12.3 192.6 | 0.25 0.5 0.375   | 46.2 -9.6 3.6   | 10.3 159.0 7.4 | 180     | 0.0 1.0 0.5   | 53.0 -48.2      | -10.8 49.4 | 192.6 |
| 202 | G50B_050_025a | 0.25 0.5 0.5     | 0.5 0.25 0.375    | 210    | 0.249 0.5 0.5     | 50.1 -7.4 -9.9   | 12.4 233.2 | 0.25 0.5 0.5     | 46.6 -7.2 -4.5  | 8.5 212.3 6.4  | 210     | 0.0 1.0 1.0   | 57.0 -29.7      | -39.8 49.7 | 233.2 |
| 203 | G65B_062_037a | 0.25 0.5 0.625   | 0.625 0.375 0.437 | 229    | 0.25 0.506 0.625  | 51.4 -6.3 -14.8  | 16.1 246.9 | 0.25 0.5 0.625   | 47.8 -4.7 -11.6 | 12.5 248.0 5.0 | 228     | 0.0 0.683 1.0 | 49.1 -16.8      | -39.6 43.1 | 246.9 |
| 204 | G75B_075_050a | 0.25 0.5 0.75    | 0.75 0.5 0.5      | 240    | 0.25 0.5 0.75     | 51.5 -3.1 -19.6  | 19.9 260.8 | 0.25 0.5 0.75    | 48.2 -1.3 -18.7 | 18.7 265.7 3.9 | 240     | 0.0 0.5 1.0   | 43.1 -6.3       | -39.3 39.8 | 260.8 |
| 205 | G80B_087_062a | 0.25 0.5 0.875   | 0.875 0.625 0.562 | 247    | 0.25 0.489 0.875  | 51.3 0.6 -24.3   | 24.3 271.5 | 0.25 0.5 0.875   | 48.2 2.6 -24.9  | 25.0 276.0 3.7 | 247     | 0.0 0.383 1.0 | 38.8 1.0        | -38.9 38.9 | 271.5 |
| 206 | G84B_100_075a | 0.25 0.5 1.0     | 1.0 0.75 0.625    | 251    | 0.25 0.487 1.0    | 51.4 4.0 -29.3   | 29.5 277.8 | 0.25 0.5 1.0     | 48.8 5.8 -30.6  | 31.1 280.8 3.4 | 251     | 0.0 0.316 1.0 | 36.4 5.3        | -39.0 39.4 | 277.8 |
| 207 | Y61G_062_062a | 0.25 0.625 0.0   | 0.625 0.625 0.312 | 127    | 0.239 0.625 0.0   | 49.9 -20.7 34.5  | 40.2 121.0 | 0.25 0.625 0.0   | 48.4 -26.0 33.8 | 42.6 127.5 5.4 | 127     | 0.383 1.0 0.0 | 65.7 -33.2      | 55.2 64.4  | 121.0 |
| 208 | Y76G_062_050a | 0.25 0.625 0.125 | 0.625 0.5 0.375   | 136    | 0.241 0.625 0.125 | 49.8 -23.6 21.8  | 32.2 137.2 | 0.25 0.625 0.125 | 49.2 -24.4 24.6 | 34.7 134.7 2.9 | 137     | 0.233 1.0 0.0 | 57.9 -43.7      | 43.7 64.5  | 137.2 |
| 209 | G00B_062_037a | 0.25 0.625 0.25  | 0.625 0.375 0.437 | 150    | 0.25 0.625 0.25   | 51.6 -24.4 10.3  | 26.5 157.0 | 0.25 0.625 0.25  | 50.2 -21.5 15.6 | 26.5 144.0 6.1 | 149     | 0.0 1.0 0.0   | 49.6 -65.0      | 27.6 70.6  | 157.0 |
| 210 | G15B_062_037a | 0.25 0.625 0.375 | 0.625 0.375 0.437 | 169    | 0.25 0.625 0.368  | 51.3 -21.0 1.4   | 21.1 176.0 | 0.25 0.625 0.375 | 51.0 -19.2 6.4  | 20.3 161.5 5.4 | 168     | 0.0 1.0 0.316 |                 |            |       |

http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF /.PS; transfer output  
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 23/33

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE17/SE17L0NP.PDF /.PS  
application for measurement of offset print output, separationcnmy0 (CMY0)

TUB material: code=rha4ta

|     | n             | HIC*Fd            | rgb_Fd            | ict_Fd | hsi_Fd            | rgb*Fd          | LabCh*Fd   | rgb*Fd            | LabCh*Fd        | DE*Fd          | hsi_d | rgb*Md        | LabCh*Md                    |
|-----|---------------|-------------------|-------------------|--------|-------------------|-----------------|------------|-------------------|-----------------|----------------|-------|---------------|-----------------------------|
| 243 | R00Y_037_037a | 0.375 0.0 0.0     | 0.375 0.375 0.187 | 390    | 0.375 0.0 0.0     | 32.1 26.3 16.8  | 31.2 32.5  | 0.375 0.0 0.0     | 31.8 36.2 19.0  | 40.9 27.7 10.1 | 389   | 1.0 0.0 0.0   | 46.4 70.3 44.9 83.4 32.5    |
| 244 | R18Y_037_037a | 0.375 0.0 0.125   | 0.375 0.375 0.187 | 371    | 0.375 0.0 0.118   | 32.3 27.0 10.8  | 29.1 21.7  | 0.375 0.0 0.125   | 31.9 36.8 13.9  | 39.4 20.6 10.2 | 371   | 1.0 0.0 0.316 | 46.7 72.1 28.8 77.7 21.7    |
| 245 | B65R_037_037a | 0.375 0.0 0.25    | 0.375 0.375 0.187 | 349    | 0.375 0.0 0.256   | 32.3 28.4 4.0   | 28.6 8.0   | 0.375 0.0 0.25    | 32.1 38.7 7.1   | 39.4 10.4 10.8 | 348   | 1.0 0.0 0.683 | 46.9 75.7 10.7 76.5 8.0     |
| 246 | B50R_037_037a | 0.375 0.0 0.375   | 0.375 0.375 0.187 | 330    | 0.375 0.0 0.375   | 32.4 29.3 -0.2  | 29.3 359.5 | 0.375 0.0 0.375   | 32.3 40.1 1.3   | 40.1 1.9 10.9  | 330   | 1.0 0.0 1.0   | 47.2 78.3 -0.6 78.3 359.5   |
| 247 | B38R_050_050a | 0.375 0.0 0.5     | 0.5 0.5 0.25      | 316    | 0.383 0.0 0.5     | 33.3 35.2 -4.0  | 35.5 353.5 | 0.375 0.0 0.5     | 32.6 42.8 -4.0  | 43.0 354.5 7.5 | 317   | 0.766 0.0 1.0 | 43.1 70.5 -8.0 71.0 353.5   |
| 248 | B30R_062_062a | 0.375 0.0 0.625   | 0.625 0.625 0.312 | 307    | 0.385 0.0 0.625   | 33.2 39.9 -8.5  | 40.8 347.9 | 0.375 0.0 0.625   | 33.0 44.8 -9.6  | 45.8 347.9 5.0 | 307   | 0.616 0.0 1.0 | 39.0 63.9 -13.6 65.3 347.9  |
| 249 | B25R_075_075a | 0.375 0.0 0.75    | 0.75 0.75 0.375   | 300    | 0.375 0.0 0.75    | 33.4 42.4 -14.9 | 44.9 340.6 | 0.375 0.0 0.75    | 32.9 46.1 -15.1 | 48.6 341.8 3.8 | 300   | 0.5 0.0 1.0   | 36.7 56.5 -19.8 59.9 340.6  |
| 250 | B20R_087_087a | 0.375 0.0 0.875   | 0.875 0.875 0.437 | 295    | 0.364 0.0 0.875   | 33.1 45.8 -20.2 | 50.1 336.1 | 0.375 0.0 0.875   | 33.0 48.2 -20.3 | 52.3 337.1 2.3 | 294   | 0.416 0.0 1.0 | 34.4 52.4 -23.1 57.3 336.1  |
| 251 | B18R_100_100a | 0.375 0.0 1.0     | 1.0 1.0 0.5       | 292    | 0.366 0.0 1.0     | 33.0 49.6 -25.1 | 55.6 333.0 | 0.375 0.0 1.0     | 33.3 50.2 -24.6 | 55.9 333.8 0.8 | 291   | 0.366 0.0 1.0 | 33.0 49.6 -25.1 55.6 333.0  |
| 252 | R31Y_037_037a | 0.375 0.125 0.0   | 0.375 0.375 0.187 | 49     | 0.375 0.118 0.0   | 36.4 16.9 21.7  | 52.0 37.5  | 0.375 0.125 0.0   | 35.4 27.1 23.0  | 35.5 40.2 10.3 | 48    | 1.0 0.316 0.0 | 57.8 45.2 57.9 73.5 52.0    |
| 253 | R00Y_037_025a | 0.375 0.125 0.125 | 0.375 0.25 0.25   | 390    | 0.375 0.124 0.124 | 38.4 17.5 11.2  | 20.8 32.5  | 0.375 0.125 0.125 | 35.7 27.7 16.8  | 32.4 31.2 11.8 | 389   | 1.0 0.0 0.0   | 46.4 70.3 44.9 83.4 32.5    |
| 254 | R00Y_037_025a | 0.375 0.125 0.25  | 0.375 0.25 0.25   | 360    | 0.375 0.124 0.25  | 38.5 18.5 4.7   | 19.1 14.4  | 0.375 0.125 0.25  | 35.9 29.0 9.8   | 30.7 18.7 12.0 | 360   | 1.0 0.0 0.5   | 46.7 74.0 19.0 76.4 14.4    |
| 255 | B50R_037_025a | 0.375 0.125 0.375 | 0.375 0.25 0.25   | 330    | 0.375 0.124 0.375 | 38.6 19.5 -0.1  | 19.5 359.5 | 0.375 0.125 0.375 | 36.1 30.9 2.9   | 31.1 5.4 12.0  | 330   | 1.0 0.0 1.0   | 47.2 78.3 -0.6 78.3 359.5   |
| 256 | B34R_050_037a | 0.375 0.125 0.5   | 0.5 0.375 0.312   | 311    | 0.381 0.124 0.5   | 39.1 25.1 -4.1  | 25.5 350.6 | 0.375 0.125 0.5   | 36.8 33.0 -3.0  | 33.2 354.6 8.3 | 311   | 0.683 0.0 1.0 | 40.8 67.1 -11.0 68.0 350.6  |
| 257 | B25R_062_050a | 0.375 0.125 0.625 | 0.625 0.25 0.375  | 300    | 0.375 0.125 0.625 | 39.3 28.2 -9.9  | 29.9 340.6 | 0.375 0.125 0.625 | 36.7 34.5 -9.1  | 35.7 345.1 6.8 | 300   | 0.5 0.0 1.0   | 36.7 56.5 -19.8 59.9 340.6  |
| 258 | B19R_075_062a | 0.375 0.125 0.75  | 0.75 0.625 0.437  | 293    | 0.364 0.125 0.75  | 38.9 31.6 -15.2 | 35.1 334.3 | 0.375 0.125 0.75  | 37.1 36.1 -15.0 | 39.1 337.4 4.7 | 292   | 0.383 0.0 1.0 | 33.5 50.6 -24.3 56.2 334.3  |
| 259 | B15R_087_075a | 0.375 0.125 0.875 | 0.875 0.75 0.5    | 289    | 0.362 0.125 0.875 | 38.5 34.1 -21.0 | 40.1 328.3 | 0.375 0.125 0.875 | 37.6 37.9 -20.1 | 43.0 332.0 4.0 | 288   | 0.316 0.0 1.0 | 31.4 45.5 -28.0 53.4 328.3  |
| 260 | B13R_100_087a | 0.375 0.125 1.0   | 1.0 0.875 0.562   | 286    | 0.358 0.125 1.0   | 38.1 36.1 -26.6 | 44.9 323.5 | 0.375 0.125 1.0   | 37.5 39.8 -25.5 | 47.3 327.3 3.8 | 284   | 0.266 0.0 1.0 | 29.8 41.3 -30.4 51.3 323.5  |
| 261 | R68Y_037_037a | 0.375 0.25 0.0    | 0.375 0.375 0.187 | 71     | 0.375 0.256 0.0   | 43.4 4.4 28.9   | 29.3 81.2  | 0.375 0.25 0.0    | 40.7 15.0 28.9  | 32.5 65.5 10.9 | 71    | 1.0 0.683 0.0 | 76.1 11.8 77.2 78.1 81.2    |
| 262 | R50Y_037_025a | 0.375 0.25 0.125  | 0.375 0.25 0.25   | 60     | 0.375 0.25 0.124  | 43.4 7.1 16.6   | 18.1 66.8  | 0.375 0.25 0.125  | 40.8 16.0 21.5  | 26.9 53.3 10.5 | 59    | 1.0 0.5 0.0   | 66.4 28.5 66.7 72.5 66.8    |
| 263 | R00Y_037_012a | 0.375 0.25 0.25   | 0.375 0.125 0.312 | 390    | 0.375 0.249 0.249 | 44.6 8.7 5.6    | 10.4 32.5  | 0.375 0.25 0.25   | 40.8 17.6 13.6  | 22.3 37.7 12.5 | 389   | 1.0 0.0 0.0   | 46.4 70.3 44.9 83.4 32.5    |
| 264 | B50R_037_012a | 0.375 0.25 0.375  | 0.375 0.125 0.312 | 330    | 0.375 0.249 0.375 | 44.7 9.7 0.0    | 9.7 359.5  | 0.375 0.25 0.375  | 41.5 19.0 6.0   | 20.0 17.6 11.5 | 330   | 1.0 0.0 1.0   | 47.2 78.3 -0.6 78.3 359.5   |
| 265 | B25R_050_025a | 0.375 0.25 0.5    | 0.5 0.25 0.375    | 300    | 0.375 0.249 0.5   | 45.1 14.1 -4.9  | 14.9 340.6 | 0.375 0.25 0.5    | 42.2 20.9 -1.2  | 20.9 356.6 8.2 | 300   | 0.5 0.0 1.0   | 36.7 56.5 -19.8 59.9 340.6  |
| 266 | B15R_062_037a | 0.375 0.25 0.625  | 0.625 0.375 0.437 | 289    | 0.368 0.25 0.625  | 44.7 17.0 -10.5 | 20.0 328.3 | 0.375 0.25 0.625  | 42.6 22.5 -7.5  | 23.8 341.4 6.5 | 288   | 0.316 0.0 1.0 | 31.4 45.5 -28.0 53.4 328.3  |
| 267 | B11R_075_050a | 0.375 0.25 0.75   | 0.75 0.5 0.5      | 284    | 0.366 0.25 0.75   | 44.6 19.4 -15.8 | 25.1 320.7 | 0.375 0.25 0.75   | 43.1 24.4 -13.7 | 28.0 330.5 5.5 | 282   | 0.233 0.0 1.0 | 29.1 38.9 -31.7 50.2 320.7  |
| 268 | B09R_087_062a | 0.375 0.25 0.875  | 0.875 0.625 0.562 | 281    | 0.364 0.25 0.875  | 45.1 22.5 -20.8 | 30.7 317.1 | 0.375 0.25 0.875  | 43.5 26.8 -19.8 | 33.3 323.5 4.6 | 279   | 0.183 0.0 1.0 | 28.8 36.0 -33.4 49.1 317.1  |
| 269 | B07R_100_075a | 0.375 0.25 1.0    | 1.0 0.75 0.625    | 279    | 0.362 0.25 1.0    | 45.5 25.5 -25.8 | 36.3 314.7 | 0.375 0.25 1.0    | 44.0 28.8 -25.0 | 38.2 319.1 3.7 | 278   | 0.15 0.0 1.0  | 28.6 34.1 -34.4 48.4 314.7  |
| 270 | Y00G_037_037a | 0.375 0.375 0.0   | 0.375 0.375 0.187 | 90     | 0.375 0.375 0.0   | 47.7 -2.5 33.6  | 33.7 94.3  | 0.375 0.375 0.0   | 44.7 5.6 33.6   | 34.0 80.3 8.8  | 89    | 1.0 1.0 0.0   | 88.0 -6.8 89.7 90.0 94.3    |
| 271 | Y00G_037_025a | 0.375 0.375 0.125 | 0.375 0.25 0.25   | 90     | 0.375 0.375 0.124 | 48.8 -1.7 22.4  | 22.5 94.3  | 0.375 0.375 0.125 | 45.3 6.2 25.9   | 26.7 76.4 9.4  | 89    | 1.0 1.0 0.0   | 88.0 -6.8 89.7 90.0 94.3    |
| 272 | Y00G_037_012a | 0.375 0.375 0.25  | 0.375 0.125 0.312 | 90     | 0.375 0.375 0.249 | 49.8 -0.8 11.2  | 11.2 94.3  | 0.375 0.375 0.25  | 45.6 7.7 17.2   | 18.8 65.8 11.2 | 89    | 1.0 1.0 0.0   | 88.0 -6.8 89.7 90.0 94.3    |
| 273 | NW_037a       | 0.375 0.375 0.375 | 0.375 0.0 0.375   | 360    | 0.375 0.375 0.375 | 50.9 0.0 0.0    | 0.0 0.0    | 0.375 0.375 0.375 | 46.5 9.0 9.2    | 12.9 45.3 13.6 | 360   | 1.0 1.0 1.0   | 96.4 0.0 0.0 0.0 0.0        |
| 274 | B00R_050_012a | 0.375 0.375 0.5   | 0.5 0.125 0.437   | 270    | 0.375 0.375 0.5   | 51.2 3.2 -4.8   | 5.8 303.9  | 0.375 0.375 0.5   | 47.0 11.1 0.9   | 11.1 4.7 10.6  | 270   | 0.0 0.0 1.0   | 25.8 26.0 -38.7 46.7 303.9  |
| 275 | B00R_062_025a | 0.375 0.375 0.625 | 0.625 0.25 0.5    | 270    | 0.375 0.375 0.625 | 51.4 6.5 -9.6   | 11.6 303.9 | 0.375 0.375 0.625 | 47.6 13.4 -6.0  | 14.7 335.9 8.7 | 270   | 0.0 0.0 1.0   | 25.8 26.0 -38.7 46.7 303.9  |
| 276 | B00R_075_037a | 0.375 0.375 0.75  | 0.75 0.375 0.562  | 270    | 0.375 0.375 0.75  | 51.7 9.7 -14.5  | 17.5 303.9 | 0.375 0.375 0.75  | 48.4 15.6 -12.4 | 19.9 321.5 7.0 | 270   | 0.0 0.0 1.0   | 25.8 26.0 -38.7 46.7 303.9  |
| 277 | B00R_087_050a | 0.375 0.375 0.875 | 0.875 0.5 0.625   | 270    | 0.375 0.375 0.875 | 52.0 13.0 -19.3 | 23.3 303.9 | 0.375 0.375 0.875 | 49.0 18.0 -18.6 | 25.9 314.0 5.8 | 270   | 0.0 0.0 1.0   | 25.8 26.0 -38.7 46.7 303.9  |
| 278 | B00R_100_062a | 0.375 0.375 1.0   | 1.0 0.625 0.687   | 270    | 0.375 0.375 1.0   | 52.3 16.2 -24.2 | 29.2 303.9 | 0.375 0.375 1.0   | 49.7 20.2 -24.2 | 31.5 309.8 4.7 | 270   | 0.0 0.0 1.0   | 25.8 26.0 -38.7 46.7 303.9  |
| 279 | Y23G_050_050a | 0.375 0.5 0.0     | 0.5 0.5 0.25      | 104    | 0.383 0.5 0.0     | 52.3 -6.7 39.1  | 39.7 99.8  | 0.375 0.5 0.0     | 50.1 -2.7 39.1  | 39.2 93.9 4.6  | 102   | 0.766 1.0 0.0 | 81.0 -13.5 78.3 79.5 99.8   |
| 280 | Y31G_050_037a | 0.375 0.5 0.125   | 0.5 0.375 0.312   | 109    | 0.381 0.5 0.124   | 53.1 -6.6 28.1  | 28.9 103.3 | 0.375 0.5 0.125   | 50.4 -2.5 30.2  | 30.3 94.7 5.3  | 108   | 0.683 1.0 0.0 | 78.1 -17.7 75.0 77.1 103.3  |
| 281 | Y50G_050_025a | 0.375 0.5 0.25    | 0.5 0.25 0.375    | 120    | 0.375 0.5 0.249   | 53.5 -6.7 15.5  | 16.9 113.3 | 0.375 0.5 0.25    | 50.8 -1.6 20.3  | 20.4 94.6 7.5  | 119   | 0.5 1.0 0.0   | 70.6 -26.9 62.2 67.8 113.3  |
| 282 | G00B_050_012a | 0.375 0.5 0.375   | 0.5 0.125 0.437   | 150    | 0.375 0.5 0.375   | 54.1 -8.1 3.4   | 8.8 157.0  | 0.375 0.5 0.375   | 51.5 0.0 11.4   | 11.4 90.3 11.6 | 149   | 0.0 1.0 0.0   | 49.6 -65.0 27.6 70.6 157.0  |
| 283 | G50B_050_012a | 0.375 0.5 0.5     | 0.5 0.125 0.437   | 210    | 0.375 0.5 0.5     | 55.1 -3.7 -4.9  | 6.2 233.2  | 0.375 0.5 0.5     | 52.1 2.0 2.8    | 3.4 54.5 10.1  | 210   | 0.0 1.0 1.0   | 57.0 -29.7 -39.8 49.7 233.2 |
| 284 | G75B_062_025a | 0.375 0.5 0.625   | 0.625 0.25 0.5    | 240    | 0.375 0.5 0.625   | 55.8 -1.5 -9.8  | 9.9 260.8  | 0.375 0.5 0.625   | 52.7 4.5 -4.9   | 6.7 312.5 8.4  |       |               |                             |

http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF /.PS; transfer output  
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/33

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| n   | HIC*Fd        | rgb_Fd | ict_Fd | hsi_Fd | rgb*Fd | LabCh*Fd | rgb*Fd | LabCh*Fd | DE*Fd | hsi_d | rgb*Md | LabCh*Md |
|-----|---------------|--------|--------|--------|--------|----------|--------|----------|-------|-------|--------|----------|
| 324 | R00Y_050_050a | 0.5    | 0.0    | 0.0    | 0.5    | 0.5      | 0.25   | 390      | 0.5   | 0.0   | 0.0    | 0.0      |
| 325 | R26Y_050_050a | 0.5    | 0.0    | 0.125  | 0.5    | 0.5      | 0.25   | 376      | 0.5   | 0.0   | 0.233  | 0.0      |
| 326 | R00Y_050_050a | 0.5    | 0.0    | 0.25   | 0.5    | 0.5      | 0.25   | 360      | 1.0   | 0.0   | 0.5    | 0.0      |
| 327 | B61R_050_050a | 0.5    | 0.0    | 0.375  | 0.5    | 0.5      | 0.25   | 344      | 1.0   | 0.0   | 0.766  | 0.0      |
| 328 | B50R_050_050a | 0.5    | 0.0    | 0.5    | 0.5    | 0.5      | 0.25   | 330      | 1.0   | 0.0   | 1.0    | 0.0      |
| 329 | B40R_062_062a | 0.5    | 0.0    | 0.625  | 0.625  | 0.625    | 0.312  | 319      | 0.816 | 0.0   | 1.0    | 0.0      |
| 330 | B34R_075_075a | 0.5    | 0.0    | 0.75   | 0.75   | 0.75     | 0.375  | 311      | 0.683 | 0.0   | 1.0    | 0.0      |
| 331 | B29R_087_087a | 0.5    | 0.0    | 0.875  | 0.875  | 0.875    | 0.437  | 305      | 0.583 | 0.0   | 1.0    | 0.0      |
| 332 | B25R_100_100a | 0.5    | 0.0    | 1.0    | 1.0    | 1.0      | 0.5    | 300      | 0.5   | 0.0   | 1.0    | 0.0      |
| 333 | R23Y_050_050a | 0.5    | 0.125  | 0.0    | 0.5    | 0.5      | 0.25   | 44       | 1.0   | 0.233 | 0.0    | 0.0      |
| 334 | R00Y_050_037a | 0.5    | 0.125  | 0.125  | 0.5    | 0.375    | 0.312  | 390      | 1.0   | 0.0   | 0.0    | 0.0      |
| 335 | R18Y_050_037a | 0.5    | 0.125  | 0.25   | 0.5    | 0.375    | 0.312  | 371      | 1.0   | 0.0   | 0.316  | 0.0      |
| 336 | B65R_050_037a | 0.5    | 0.125  | 0.375  | 0.5    | 0.375    | 0.312  | 349      | 1.0   | 0.0   | 0.683  | 0.0      |
| 337 | B50R_050_037a | 0.5    | 0.125  | 0.5    | 0.5    | 0.375    | 0.312  | 330      | 1.0   | 0.0   | 1.0    | 0.0      |
| 338 | B38R_062_050a | 0.5    | 0.125  | 0.625  | 0.625  | 0.5      | 0.375  | 316      | 0.766 | 0.0   | 1.0    | 0.0      |
| 339 | B30R_075_062a | 0.5    | 0.125  | 0.75   | 0.75   | 0.625    | 0.437  | 307      | 0.616 | 0.0   | 1.0    | 0.0      |
| 340 | B25R_087_075a | 0.5    | 0.125  | 0.875  | 0.875  | 0.75     | 0.5    | 300      | 0.5   | 0.0   | 1.0    | 0.0      |
| 341 | B20R_100_087a | 0.5    | 0.125  | 1.0    | 1.0    | 0.875    | 0.562  | 295      | 0.416 | 0.0   | 1.0    | 0.0      |
| 342 | R50Y_050_050a | 0.5    | 0.25   | 0.0    | 0.5    | 0.5      | 0.25   | 60       | 1.0   | 0.5   | 0.0    | 0.0      |
| 343 | R31Y_050_037a | 0.5    | 0.25   | 0.125  | 0.5    | 0.375    | 0.312  | 49       | 1.0   | 0.316 | 0.0    | 0.0      |
| 344 | R00Y_050_025a | 0.5    | 0.25   | 0.25   | 0.5    | 0.25     | 0.375  | 390      | 1.0   | 0.0   | 0.0    | 0.0      |
| 345 | R00Y_050_025a | 0.5    | 0.25   | 0.375  | 0.5    | 0.25     | 0.375  | 360      | 1.0   | 0.0   | 0.5    | 0.0      |
| 346 | B50R_050_025a | 0.5    | 0.25   | 0.5    | 0.5    | 0.25     | 0.375  | 330      | 1.0   | 0.0   | 1.0    | 0.0      |
| 347 | B34R_062_037a | 0.5    | 0.25   | 0.625  | 0.625  | 0.375    | 0.437  | 311      | 0.683 | 0.0   | 1.0    | 0.0      |
| 348 | B25R_075_050a | 0.5    | 0.25   | 0.75   | 0.75   | 0.5      | 0.5    | 300      | 0.5   | 0.0   | 1.0    | 0.0      |
| 349 | B19R_087_062a | 0.5    | 0.25   | 0.875  | 0.875  | 0.625    | 0.562  | 293      | 0.383 | 0.0   | 1.0    | 0.0      |
| 350 | B15R_100_075a | 0.5    | 0.25   | 1.0    | 1.0    | 0.75     | 0.625  | 289      | 0.316 | 0.0   | 1.0    | 0.0      |
| 351 | R76Y_050_050a | 0.5    | 0.375  | 0.0    | 0.5    | 0.5      | 0.25   | 76       | 1.0   | 0.766 | 0.0    | 0.0      |
| 352 | R68Y_050_037a | 0.5    | 0.375  | 0.125  | 0.5    | 0.375    | 0.312  | 71       | 1.0   | 0.683 | 0.0    | 0.0      |
| 353 | R50Y_050_025a | 0.5    | 0.375  | 0.25   | 0.5    | 0.25     | 0.375  | 60       | 1.0   | 0.5   | 0.0    | 0.0      |
| 354 | R00Y_050_012a | 0.5    | 0.375  | 0.375  | 0.5    | 0.125    | 0.437  | 390      | 1.0   | 0.0   | 0.0    | 0.0      |
| 355 | B50R_050_012a | 0.5    | 0.375  | 0.5    | 0.5    | 0.125    | 0.437  | 330      | 1.0   | 0.0   | 1.0    | 0.0      |
| 356 | B25R_062_025a | 0.5    | 0.375  | 0.625  | 0.625  | 0.25     | 0.5    | 300      | 0.5   | 0.0   | 1.0    | 0.0      |
| 357 | B15R_075_037a | 0.5    | 0.375  | 0.75   | 0.75   | 0.375    | 0.562  | 289      | 0.316 | 0.0   | 1.0    | 0.0      |
| 358 | B11R_087_050a | 0.5    | 0.375  | 0.875  | 0.875  | 0.5      | 0.625  | 284      | 0.233 | 0.0   | 1.0    | 0.0      |
| 359 | B09R_100_062a | 0.5    | 0.375  | 1.0    | 1.0    | 0.625    | 0.687  | 281      | 0.183 | 0.0   | 1.0    | 0.0      |
| 360 | Y00G_050_050a | 0.5    | 0.5    | 0.0    | 0.5    | 0.5      | 0.25   | 90       | 1.0   | 1.0   | 0.0    | 0.0      |
| 361 | Y00G_050_037a | 0.5    | 0.5    | 0.125  | 0.5    | 0.375    | 0.312  | 90       | 1.0   | 1.0   | 0.0    | 0.0      |
| 362 | Y00G_050_025a | 0.5    | 0.5    | 0.25   | 0.5    | 0.25     | 0.375  | 90       | 1.0   | 1.0   | 0.0    | 0.0      |
| 363 | Y00G_050_012a | 0.5    | 0.5    | 0.375  | 0.5    | 0.125    | 0.437  | 90       | 1.0   | 1.0   | 0.0    | 0.0      |
| 364 | NW_050a       | 0.5    | 0.5    | 0.5    | 0.5    | 0.0      | 0.5    | 360      | 0.9   | 1.0   | 1.0    | 0.0      |
| 365 | B00R_062_012a | 0.5    | 0.625  | 0.625  | 0.625  | 0.125    | 0.562  | 270      | 0.0   | 0.0   | 1.0    | 0.0      |
| 366 | B00R_075_025a | 0.5    | 0.625  | 0.75   | 0.75   | 0.25     | 0.625  | 270      | 0.0   | 0.0   | 1.0    | 0.0      |
| 367 | B00R_087_037a | 0.5    | 0.625  | 0.875  | 0.875  | 0.375    | 0.687  | 270      | 0.0   | 0.0   | 1.0    | 0.0      |
| 368 | B00R_100_050a | 0.5    | 0.625  | 1.0    | 1.0    | 0.5      | 0.75   | 270      | 0.0   | 0.0   | 1.0    | 0.0      |
| 369 | Y18G_062_062a | 0.5    | 0.625  | 0.0    | 0.625  | 0.625    | 0.312  | 101      | 0.816 | 1.0   | 0.0    | 0.0      |
| 370 | Y23G_062_050a | 0.5    | 0.625  | 0.125  | 0.625  | 0.5      | 0.375  | 104      | 0.766 | 1.0   | 0.0    | 0.0      |
| 371 | Y31G_062_037a | 0.5    | 0.625  | 0.25   | 0.625  | 0.375    | 0.437  | 109      | 0.683 | 1.0   | 0.0    | 0.0      |
| 372 | Y50G_062_025a | 0.5    | 0.625  | 0.375  | 0.625  | 0.25     | 0.5    | 120      | 0.5   | 1.0   | 0.0    | 0.0      |
| 373 | G00B_062_012a | 0.5    | 0.625  | 0.5    | 0.625  | 0.125    | 0.562  | 150      | 0.0   | 1.0   | 0.0    | 0.0      |
| 374 | G50B_062_012a | 0.5    | 0.625  | 0.625  | 0.625  | 0.125    | 0.562  | 210      | 0.0   | 1.0   | 0.0    | 0.0      |
| 375 | G75B_075_025a | 0.5    | 0.625  | 0.75   | 0.75   | 0.25     | 0.625  | 240      | 0.0   | 0.5   | 1.0    | 0.0      |
| 376 | G84B_087_037a | 0.5    | 0.625  | 0.875  | 0.875  | 0.375    | 0.687  | 251      | 0.0   | 0.316 | 1.0    | 0.0      |
| 377 | G88B_100_050a | 0.5    | 0.625  | 1.0    | 1.0    | 0.5      | 0.75   | 256      | 0.0   | 0.233 | 1.0    | 0.0      |
| 378 | Y31G_075_075a | 0.5    | 0.75   | 0.0    | 0.75   | 0.75     | 0.375  | 109      | 0.683 | 1.0   | 0.0    | 0.0      |
| 379 | Y38G_075_062a | 0.5    | 0.75   | 0.125  | 0.75   | 0.625    | 0.437  | 113      | 0.616 | 1.0   | 0.0    | 0.0      |
| 380 | Y50G_075_050a | 0.5    | 0.75   | 0.25   | 0.75   | 0.5      | 0.5    | 120      | 0.5   | 1.0   | 0.0    | 0.0      |
| 381 | Y68G_075_037a | 0.5    | 0.75   | 0.375  | 0.75   | 0.375    | 0.562  | 131      | 0.316 | 1.0   | 0.0    | 0.0      |
| 382 | G00B_075_025a | 0.5    | 0.75   | 0.5    | 0.75   | 0.25     | 0.625  | 150      | 0.0   | 1.0   | 0.0    | 0.0      |
| 383 | G25B_075_025a | 0.5    | 0.75   | 0.625  | 0.75   | 0.25     | 0.625  | 180      | 0.0   | 1.0   | 0.5    | 0.0      |
| 384 | G50B_075_025a | 0.5    | 0.75   | 0.75   | 0.75   | 0.25     | 0.625  | 210      | 0.0   | 1.0   | 0.0    | 0.0      |
| 385 | G65B_087_037a | 0.5    | 0.75   | 0.875  | 0.875  | 0.375    | 0.687  | 229      | 0.0   | 0.683 | 1.0    | 0.0      |
| 386 | G75B_100_050a | 0.5    | 0.75   | 1.0    | 1.0    | 0.5      | 0.75   | 240      | 0.0   | 0.5   | 1.0    | 0.0      |
| 387 | Y41G_087_087a | 0.5    | 0.875  | 0.0    | 0.875  | 0.875    | 0.437  | 115      | 0.583 | 1.0   | 0.0    | 0.0      |
| 388 | Y50G_087_075a | 0.5    | 0.875  | 0.125  | 0.875  | 0.75     | 0.5    | 120      | 0.5   | 1.0   | 0.0    | 0.0      |
| 389 | Y61G_087_062a | 0.5    | 0.875  | 0.25   | 0.875  | 0.625    | 0.562  | 127      | 0.383 | 1.0   | 0.0    | 0.0      |
| 390 | Y76G_087_050a | 0.5    | 0.875  | 0.375  | 0.875  | 0.5      | 0.625  | 136      | 0.233 | 1.0   | 0.0    | 0.0      |
| 391 | G00B_087_037a | 0.5    | 0.875  | 0.5    | 0.875  | 0.375    | 0.687  | 150      | 0.0   | 1.0   | 0.0    | 0.0      |
| 392 | G15B_087_037a | 0.5    | 0.875  | 0.625  | 0.875  | 0.375    | 0.687  | 169      | 0.0   | 1.0   | 0.316  | 0.0      |
| 393 | G34B_087_037a | 0.5    | 0.875  | 0.75   | 0.875  | 0.375    | 0.687  | 191      | 0.0   | 1.0   | 0.683  | 0.0      |
| 394 | G50B_087_037a | 0.5    | 0.875  | 0.875  | 0.875  | 0.375    | 0.687  | 210      | 0.0   | 1.0   | 1.0    | 0.0      |
| 395 | G61B_100_050a | 0.5    | 0.875  | 1.0    | 1.0    | 0.5      | 0.75   | 224      | 0.0   | 0.766 | 1.0    | 0.0      |
| 396 | Y50G_100_100a | 0.5    | 1.0    | 0.0    | 1.0    | 1.0      | 0.5    | 120      | 0.5   | 1.0   | 0.0    | 0.0      |
| 397 | Y58G_100_087a | 0.5    | 1.0    | 0.125  | 1.0    | 0.875    | 0.562  | 125      | 0.416 | 1.0   | 0.0    | 0.0      |
| 398 | Y68G_100_075a | 0.5    | 1.0    | 0.25   | 1.0    | 0.75     | 0.625  | 131      | 0.316 | 1.0   | 0.0    | 0.0      |
| 399 | Y81G_100_062a | 0.5    | 1.0    | 0.375  | 1.0    | 0.625    | 0.687  | 139      | 0.183 | 1.0   | 0.0    | 0.0      |
| 400 | G00B_100_050a | 0.5    | 1.0    | 0.5    | 1.0    | 0.5      | 0.75   | 150      | 0.0   | 1.0   | 0.0    | 0.0      |
| 401 | G11B_100_050a | 0.5    | 1.0    | 0.625  | 1.0    | 0.5      | 0.75   | 164      | 0.0   | 1.0   | 0.233  | 0.0      |
| 402 | G25B_100_050a | 0.5    | 1.0    | 0.75   | 1.0    | 0.5      | 0.75   | 180      | 0.0   | 1.0   | 0.5    | 0.0      |
| 403 | G38B_100_050a | 0.5    | 1.0    | 0.875  | 1.0    | 0.5      | 0.75   | 196      | 0.0   | 1.0   | 0.766  | 0.0      |
| 404 | G50B_100_050a | 0.5    | 1.0    | 1.0    | 1.0    | 0.5      | 0.75   | 210      | 0.0   | 1.0   | 1.0    | 0.0      |

Mean color difference of this page:  $\Delta E^*_{ab} = 6.1$

1-0032331-F0

SE170-7N, Page 24/33-F

TUB-test chart SE17; 1080 colours, offset standard paper  
colors and differences,  $\Delta E^*$ , 3D=0, de=0, *cmY0*

input: *rgb/cmyk* -> *rgb*<sub>d</sub>  
output: transfer to *cmY0*<sub>d</sub>

1-0032331-F0

TUB registration: 20130201-SE17/SE17L0NP.PDF / .PS  
application for measurement of offset print output, separation<sub>cmY0</sub> (CMY0)

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF /.PS; transfer output  
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 25/33

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| n   | HIC*Fd        | rgb_Fd            | ict_Fd            | hsi_Fd | rgb*Fd            | LabCh*Fd        | rgb**Fd    | LabCh**Fd         | DE**Fd          | hsiMd          | rgb*Md | LabCh*Md      |                 |            |
|-----|---------------|-------------------|-------------------|--------|-------------------|-----------------|------------|-------------------|-----------------|----------------|--------|---------------|-----------------|------------|
| 405 | R00Y_062_062a | 0.625 0.0 0.0     | 0.625 0.625 0.312 | 390    | 0.625 0.0 0.0     | 37.8 43.9 28.0  | 52.1 32.5  | 0.625 0.0 0.0     | 38.2 53.2 29.9  | 61.1 29.3 9.5  | 389    | 1.0 0.0 0.0   | 46.4 70.3 44.9  | 83.4 32.5  |
| 406 | R31Y_062_062a | 0.625 0.0 0.125   | 0.625 0.625 0.312 | 379    | 0.625 0.0 0.114   | 37.9 44.6 22.4  | 49.9 26.7  | 0.625 0.0 0.125   | 38.2 53.9 24.8  | 59.3 24.6 9.6  | 380    | 1.0 0.0 0.183 | 46.6 71.3 35.9  | 79.9 26.7  |
| 407 | R11Y_062_062a | 0.625 0.0 0.25    | 0.625 0.625 0.312 | 367    | 0.625 0.0 0.239   | 38.1 45.3 15.7  | 48.0 19.1  | 0.625 0.0 0.25    | 38.2 54.9 18.6  | 58.0 18.7 10.0 | 367    | 1.0 0.0 0.383 | 46.9 72.5 25.1  | 76.8 19.1  |
| 408 | B69R_062_062a | 0.625 0.0 0.375   | 0.625 0.625 0.312 | 353    | 0.625 0.0 0.385   | 38.1 46.9 8.5   | 47.6 10.3  | 0.625 0.0 0.375   | 38.3 56.3 11.5  | 57.5 11.5 9.9  | 352    | 1.0 0.0 0.616 | 46.9 75.0 13.6  | 76.2 10.3  |
| 409 | B59R_062_062a | 0.625 0.0 0.5     | 0.625 0.625 0.312 | 341    | 0.625 0.0 0.51    | 38.2 48.0 3.4   | 48.2 4.1   | 0.625 0.0 0.5     | 38.4 57.9 5.7   | 58.2 5.7 10.1  | 339    | 1.0 0.0 0.816 | 47.0 76.9 5.5   | 77.1 4.1   |
| 410 | B50R_062_062a | 0.625 0.0 0.625   | 0.625 0.625 0.312 | 330    | 0.625 0.0 0.625   | 38.3 48.9 -0.4  | 48.9 359.5 | 0.625 0.0 0.625   | 38.5 59.4 0.5   | 59.4 0.5 10.5  | 330    | 1.0 0.0 1.0   | 47.2 78.3 -0.6  | 78.3 359.5 |
| 411 | B42R_075_075a | 0.625 0.0 0.75    | 0.75 0.75 0.375   | 321    | 0.637 0.0 0.75    | 39.5 54.8 -4.3  | 55.0 355.4 | 0.625 0.0 0.75    | 39.0 61.4 -4.0  | 61.5 356.2 6.5 | 322    | 0.85 0.0 1.0  | 44.9 73.1 -5.8  | 73.3 355.4 |
| 412 | B36R_087_087a | 0.625 0.0 0.875   | 0.875 0.875 0.437 | 314    | 0.641 0.0 0.875   | 39.9 60.6 -7.9  | 61.1 352.5 | 0.625 0.0 0.875   | 39.2 63.4 -8.4  | 64.0 352.3 2.9 | 315    | 0.733 0.0 1.0 | 42.2 69.3 -9.1  | 69.9 352.5 |
| 413 | B31R_100_100a | 0.625 0.0 1.0     | 1.0 1.0 0.5       | 308    | 0.633 0.0 1.0     | 39.4 64.8 -12.8 | 66.1 348.8 | 0.625 0.0 1.0     | 39.1 64.4 -13.1 | 65.7 348.4 0.5 | 308    | 0.633 0.0 1.0 | 39.4 64.8 -12.8 | 66.1 348.8 |
| 414 | R18Y_062_062a | 0.625 0.125 0.0   | 0.625 0.625 0.312 | 41     | 0.625 0.114 0.0   | 41.5 35.7 32.2  | 48.1 42.0  | 0.625 0.125 0.0   | 41.6 44.9 33.9  | 56.2 37.0 9.3  | 39     | 1.0 0.183 0.0 | 52.2 57.1 51.6  | 77.0 42.0  |
| 415 | R00Y_062_050a | 0.625 0.125 0.125 | 0.625 0.5 0.375   | 390    | 0.625 0.125 0.125 | 44.1 35.1 22.4  | 41.7 32.5  | 0.625 0.125 0.125 | 42.2 44.7 27.6  | 52.5 31.7 11.0 | 389    | 1.0 0.0 0.0   | 46.4 70.3 44.9  | 83.4 32.5  |
| 416 | R26Y_062_050a | 0.625 0.125 0.25  | 0.625 0.5 0.375   | 376    | 0.625 0.125 0.241 | 44.2 35.8 16.6  | 39.5 24.9  | 0.625 0.125 0.25  | 42.2 45.9 20.9  | 50.5 24.4 11.1 | 377    | 1.0 0.0 0.233 | 46.6 71.6 33.3  | 79.0 24.9  |
| 417 | R00Y_062_050a | 0.625 0.125 0.375 | 0.625 0.5 0.375   | 360    | 0.625 0.125 0.375 | 44.3 37.0 9.5   | 38.2 14.4  | 0.625 0.125 0.375 | 42.5 47.0 13.4  | 48.9 15.9 10.9 | 360    | 1.0 0.0 0.5   | 46.7 74.0 19.0  | 76.4 14.4  |
| 418 | B61R_062_050a | 0.625 0.125 0.5   | 0.625 0.5 0.375   | 344    | 0.625 0.125 0.508 | 44.4 38.2 3.6   | 38.4 5.4   | 0.625 0.125 0.5   | 42.7 48.3 6.6   | 48.7 7.8 10.6  | 342    | 1.0 0.0 0.766 | 46.9 76.5 7.2   | 76.8 5.4   |
| 419 | B50R_062_050a | 0.625 0.125 0.625 | 0.625 0.5 0.375   | 330    | 0.625 0.125 0.625 | 44.5 39.1 -0.3  | 39.1 359.5 | 0.625 0.125 0.625 | 43.0 49.9 1.0   | 49.9 1.2 10.9  | 330    | 1.0 0.0 1.0   | 47.2 78.3 -0.6  | 78.3 359.5 |
| 420 | B40R_075_062a | 0.625 0.125 0.75  | 0.75 0.625 0.437  | 319    | 0.635 0.125 0.75  | 45.5 45.0 -4.1  | 45.2 354.6 | 0.625 0.125 0.75  | 43.9 51.3 -4.0  | 51.5 355.5 6.5 | 320    | 0.816 0.0 1.0 | 44.1 72.1 -6.7  | 72.4 354.6 |
| 421 | B34R_087_075a | 0.625 0.125 0.875 | 0.875 0.75 0.5    | 311    | 0.637 0.125 0.875 | 45.6 50.3 -8.2  | 51.0 350.6 | 0.625 0.125 0.875 | 43.9 53.3 -9.5  | 54.2 349.8 3.7 | 311    | 0.683 0.0 1.0 | 40.8 67.1 -11.0 | 68.0 350.6 |
| 422 | B29R_100_087a | 0.625 0.125 1.0   | 1.0 0.875 0.562   | 305    | 0.635 0.125 1.0   | 45.6 54.1 -13.6 | 55.8 345.8 | 0.625 0.125 1.0   | 44.3 54.7 -14.1 | 56.5 345.5 1.5 | 305    | 0.583 0.0 1.0 | 38.3 61.9 -15.5 | 63.8 345.8 |
| 423 | R38Y_062_062a | 0.625 0.25 0.0    | 0.625 0.625 0.312 | 53     | 0.625 0.239 0.0   | 46.9 24.3 38.1  | 45.2 57.4  | 0.625 0.25 0.0    | 46.5 33.3 39.4  | 51.7 49.8 9.1  | 52     | 1.0 0.383 0.0 | 60.9 38.9 61.0  | 72.3 57.4  |
| 424 | R23Y_062_050a | 0.625 0.25 0.125  | 0.625 0.5 0.375   | 44     | 0.625 0.241 0.125 | 48.0 26.4 26.8  | 37.6 45.4  | 0.625 0.25 0.125  | 47.1 33.3 32.3  | 46.5 44.1 8.9  | 42     | 1.0 0.233 0.0 | 54.2 52.8 53.7  | 75.3 45.4  |
| 425 | R00Y_062_037a | 0.625 0.25 0.25   | 0.625 0.375 0.437 | 390    | 0.625 0.25 0.25   | 50.3 26.3 16.8  | 31.2 32.5  | 0.625 0.25 0.25   | 47.8 33.6 24.3  | 41.5 35.8 10.7 | 389    | 1.0 0.0 0.0   | 46.4 70.3 44.9  | 83.4 32.5  |
| 426 | R18Y_062_037a | 0.625 0.25 0.375  | 0.625 0.375 0.437 | 371    | 0.625 0.25 0.368  | 50.5 27.0 10.8  | 29.1 21.7  | 0.625 0.25 0.375  | 48.1 34.7 16.6  | 38.5 25.6 9.9  | 371    | 1.0 0.0 0.316 | 46.7 72.1 28.8  | 77.7 21.7  |
| 427 | B65R_062_037a | 0.625 0.25 0.5    | 0.625 0.375 0.437 | 349    | 0.625 0.25 0.506  | 50.5 28.4 4.0   | 28.6 8.0   | 0.625 0.25 0.5    | 48.5 36.2 8.9   | 37.3 13.8 9.4  | 348    | 1.0 0.0 0.683 | 46.9 75.7 10.7  | 76.5 8.0   |
| 428 | B50R_062_037a | 0.625 0.25 0.625  | 0.625 0.375 0.437 | 330    | 0.625 0.25 0.625  | 50.6 29.3 -0.2  | 29.3 359.5 | 0.625 0.25 0.625  | 48.9 37.3 2.4   | 37.4 3.7 8.5   | 330    | 1.0 0.0 1.0   | 47.2 78.3 -0.6  | 78.3 359.5 |
| 429 | B38R_075_050a | 0.625 0.25 0.75   | 0.75 0.5 0.5      | 316    | 0.633 0.25 0.75   | 51.5 35.2 -4.0  | 35.5 353.5 | 0.625 0.25 0.75   | 50.0 38.3 -3.6  | 38.4 354.6 3.4 | 317    | 0.766 0.0 1.0 | 43.1 70.5 -8.0  | 71.0 353.5 |
| 430 | B30R_087_062a | 0.625 0.25 0.875  | 0.875 0.625 0.562 | 307    | 0.635 0.25 0.875  | 51.4 39.9 -8.5  | 40.8 347.9 | 0.625 0.25 0.875  | 50.6 40.5 -8.9  | 41.5 347.5 1.0 | 307    | 0.616 0.0 1.0 | 39.0 63.9 -13.6 | 65.3 347.9 |
| 431 | B25R_100_075a | 0.625 0.25 1.0    | 1.0 0.75 0.625    | 300    | 0.635 0.25 1.0    | 51.7 42.4 -14.9 | 44.9 340.6 | 0.625 0.25 1.0    | 50.7 41.7 -14.5 | 44.1 340.7 1.2 | 300    | 0.5 0.0 1.0   | 36.7 56.5 -19.8 | 59.9 340.6 |
| 432 | R61Y_062_062a | 0.625 0.375 0.0   | 0.625 0.625 0.312 | 67     | 0.625 0.385 0.0   | 54.5 10.5 46.2  | 47.3 77.1  | 0.625 0.375 0.0   | 52.3 20.6 46.2  | 50.6 65.9 10.3 | 67     | 1.0 0.616 0.0 | 73.0 16.8 73.9  | 75.8 77.1  |
| 433 | R50Y_062_050a | 0.625 0.375 0.125 | 0.625 0.5 0.375   | 60     | 0.625 0.375 0.125 | 54.1 14.2 33.3  | 36.2 66.8  | 0.625 0.375 0.125 | 52.4 22.1 37.4  | 43.4 59.3 9.0  | 59     | 1.0 0.5 0.0   | 66.4 28.5 66.7  | 72.5 66.8  |
| 434 | R31Y_062_037a | 0.625 0.375 0.25  | 0.625 0.375 0.437 | 49     | 0.625 0.368 0.25  | 54.6 16.9 21.7  | 27.5 52.0  | 0.625 0.375 0.25  | 52.5 23.6 28.1  | 36.7 49.9 9.5  | 48     | 1.0 0.316 0.0 | 57.8 45.2 57.9  | 73.5 52.0  |
| 435 | R00Y_062_025a | 0.625 0.375 0.375 | 0.625 0.25 0.5    | 390    | 0.625 0.375 0.375 | 56.6 17.5 11.2  | 20.8 32.5  | 0.625 0.375 0.375 | 53.3 24.0 19.4  | 30.9 38.9 11.0 | 389    | 1.0 0.0 0.0   | 46.4 70.3 44.9  | 83.4 32.5  |
| 436 | R00Y_062_025a | 0.625 0.375 0.5   | 0.625 0.25 0.5    | 360    | 0.625 0.375 0.5   | 56.7 18.5 4.7   | 19.1 14.4  | 0.625 0.375 0.5   | 53.7 25.4 11.2  | 27.8 23.8 10.0 | 360    | 1.0 0.0 0.5   | 46.7 74.0 19.0  | 76.4 14.4  |
| 437 | B50R_062_025a | 0.625 0.375 0.625 | 0.625 0.25 0.5    | 330    | 0.625 0.375 0.625 | 56.8 19.5 -0.1  | 19.5 359.5 | 0.625 0.375 0.625 | 54.1 27.2 3.7   | 27.5 7.8 9.0   | 330    | 1.0 0.0 1.0   | 47.2 78.3 -0.6  | 78.3 359.5 |
| 438 | B34R_075_037a | 0.625 0.375 0.75  | 0.75 0.375 0.562  | 311    | 0.631 0.375 0.75  | 57.4 25.1 -4.1  | 25.5 350.6 | 0.625 0.375 0.75  | 55.2 28.9 -2.8  | 29.0 354.3 4.5 | 311    | 0.683 0.0 1.0 | 40.8 67.1 -11.0 | 68.0 350.6 |
| 439 | B25R_087_050a | 0.625 0.375 0.875 | 0.875 0.5 0.625   | 300    | 0.625 0.375 0.875 | 57.5 28.2 -9.9  | 29.9 340.6 | 0.625 0.375 0.875 | 55.7 30.0 -9.2  | 31.4 342.9 2.6 | 300    | 0.5 0.0 1.0   | 36.7 56.5 -19.8 | 59.9 340.6 |
| 440 | B19R_100_062a | 0.625 0.375 1.0   | 1.0 0.625 0.687   | 293    | 0.614 0.375 1.0   | 57.1 31.6 -15.2 | 35.1 334.3 | 0.625 0.375 1.0   | 56.0 30.5 -15.3 | 34.2 333.4 1.5 | 292    | 0.383 0.0 1.0 | 33.5 50.6 -24.3 | 56.2 334.3 |
| 441 | R81Y_062_062a | 0.625 0.5 0.0     | 0.625 0.625 0.312 | 79     | 0.625 0.51 0.0    | 59.9 17.7 51.9  | 52.0 88.0  | 0.625 0.5 0.0     | 57.5 10.6 52.2  | 53.2 78.5 9.1  | 80     | 1.0 0.816 0.0 | 81.8 2.7 83.1   | 83.2 88.0  |
| 442 | R76Y_062_050a | 0.625 0.5 0.125   | 0.625 0.5 0.375   | 76     | 0.625 0.508 0.125 | 60.8 2.9 40.5   | 40.6 85.8  | 0.625 0.5 0.125   | 58.0 10.9 42.5  | 43.9 75.5 8.7  | 77     | 1.0 0.766 0.0 | 79.7 5.8 81.0   | 81.2 85.8  |
| 443 | R68Y_062_037a | 0.625 0.5 0.25    | 0.625 0.375 0.437 | 71     | 0.625 0.506 0.25  | 61.5 4.4 28.9   | 29.3 81.2  | 0.625 0.5 0.25    | 58.4 12.1 32.4  | 34.6 69.4 8.9  | 71     | 1.0 0.683 0.0 | 76.1 11.8 77.2  | 78.1 81.2  |
| 444 | R50Y_062_025a | 0.625 0.5 0.375   | 0.625 0.25 0.5    | 60     | 0.625 0.5 0.375   | 61.6 7.1 16.6   | 18.1 66.8  | 0.625 0.5 0.375   | 58.8 14.0 22.1  | 26.2 57.6 9.2  | 59     | 1.0 0.5 0.0   | 66.4 28.5 66.7  | 72.5 66.8  |
| 445 | R00Y_062_012a | 0.625 0.5 0.5     | 0.625 0.125 0.562 | 390    | 0.625 0.5 0.5     | 62.8 8.7 5.6    | 10.4 32    |                   |                 |                |        |               |                 |            |

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF> /PS  
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TUB registration: 20130201-SE17/SE17L0NP.PDF /PS  
application for measurement of offset print output, separationcnmy0 (CMY0)

TUB material: code=rha4ta

| n   | HIC*Fd        | rgb_Fd | ict_Fd | hsi_Fd | rgb*Fd | LabCh*Fd | rgb*Fd | LabCh*Fd | DE*Fd | hsiMd | rgb*Md | LabCh*Md |       |
|-----|---------------|--------|--------|--------|--------|----------|--------|----------|-------|-------|--------|----------|-------|
| 486 | R00Y_075_075d | 0.75   | 0.0    | 0.0    | 0.75   | 0.75     | 0.0    | 40.7     | 52.7  | 33.6  | 62.5   | 32.5     |       |
| 487 | R35Y_075_075d | 0.75   | 0.0    | 0.125  | 0.75   | 0.75     | 0.0    | 40.8     | 53.3  | 28.2  | 60.3   | 27.8     |       |
| 488 | R18Y_075_075d | 0.75   | 0.0    | 0.25   | 0.75   | 0.75     | 0.0    | 40.9     | 54.1  | 21.6  | 58.3   | 21.7     |       |
| 489 | R00Y_075_075d | 0.75   | 0.0    | 0.375  | 0.75   | 0.75     | 0.0    | 40.9     | 55.5  | 14.2  | 57.3   | 14.4     |       |
| 490 | B65R_075_075d | 0.75   | 0.0    | 0.5    | 0.75   | 0.75     | 0.0    | 41.1     | 56.8  | 8.0   | 57.3   | 8.0      |       |
| 491 | B57R_075_075d | 0.75   | 0.0    | 0.625  | 0.75   | 0.75     | 0.0    | 41.2     | 57.9  | 3.3   | 58.0   | 3.2      |       |
| 492 | B50R_075_075d | 0.75   | 0.0    | 0.75   | 0.75   | 0.75     | 0.0    | 41.3     | 58.7  | -0.4  | 58.7   | 359.5    |       |
| 493 | B43R_087_087d | 0.75   | 0.0    | 0.875  | 0.875  | 0.875    | 0.0    | 42.5     | 64.4  | -4.6  | 64.6   | 358.8    |       |
| 494 | B38R_100_100d | 0.75   | 0.0    | 1.0    | 1.0    | 1.0      | 0.5    | 43.1     | 70.5  | -8.0  | 71.0   | 353.5    |       |
| 495 | R15Y_075_075d | 0.75   | 0.125  | 0.0    | 0.75   | 0.75     | 0.375  | 39       | 0.75  | 0.112 | 0.0    | 44.1     | 45.0  |
| 496 | R00Y_075_062d | 0.75   | 0.125  | 0.125  | 0.75   | 0.625    | 0.437  | 390      | 0.75  | 0.125 | 0.125  | 46.9     | 43.9  |
| 497 | R31Y_075_062d | 0.75   | 0.125  | 0.25   | 0.75   | 0.625    | 0.437  | 379      | 0.75  | 0.125 | 0.239  | 47.0     | 44.6  |
| 498 | R11Y_075_062d | 0.75   | 0.125  | 0.375  | 0.75   | 0.625    | 0.437  | 367      | 0.75  | 0.125 | 0.364  | 47.2     | 45.3  |
| 499 | B69R_075_062d | 0.75   | 0.125  | 0.5    | 0.75   | 0.625    | 0.437  | 353      | 0.75  | 0.125 | 0.51   | 47.2     | 46.9  |
| 500 | B59R_075_062d | 0.75   | 0.125  | 0.625  | 0.75   | 0.625    | 0.437  | 341      | 0.75  | 0.125 | 0.635  | 47.3     | 48.0  |
| 501 | B50R_075_062d | 0.75   | 0.125  | 0.75   | 0.75   | 0.625    | 0.437  | 330      | 0.75  | 0.125 | 0.75   | 47.4     | 48.9  |
| 502 | B42R_087_075d | 0.75   | 0.125  | 0.875  | 0.875  | 0.75     | 0.5    | 321      | 0.762 | 0.125 | 0.875  | 48.6     | 54.8  |
| 503 | B36R_100_087d | 0.75   | 0.125  | 1.0    | 1.0    | 0.875    | 0.562  | 314      | 0.766 | 0.125 | 1.0    | 49.0     | 60.6  |
| 504 | R31Y_075_075d | 0.75   | 0.25   | 0.0    | 0.75   | 0.75     | 0.375  | 49       | 0.75  | 0.237 | 0.0    | 49.3     | 33.9  |
| 505 | R18Y_075_062d | 0.75   | 0.25   | 0.125  | 0.75   | 0.625    | 0.437  | 41       | 0.75  | 0.239 | 0.125  | 50.6     | 35.7  |
| 506 | R00Y_075_050d | 0.75   | 0.25   | 0.25   | 0.75   | 0.5      | 0.5    | 390      | 0.75  | 0.25  | 0.25   | 53.2     | 35.1  |
| 507 | R26Y_075_050d | 0.75   | 0.25   | 0.375  | 0.75   | 0.5      | 0.5    | 376      | 0.75  | 0.25  | 0.366  | 53.3     | 35.8  |
| 508 | R00Y_075_050d | 0.75   | 0.25   | 0.5    | 0.75   | 0.5      | 0.5    | 360      | 0.75  | 0.25  | 0.5    | 53.4     | 37.0  |
| 509 | B61R_075_050d | 0.75   | 0.25   | 0.625  | 0.75   | 0.5      | 0.5    | 344      | 0.75  | 0.25  | 0.633  | 53.5     | 38.2  |
| 510 | B50R_075_050d | 0.75   | 0.25   | 0.75   | 0.75   | 0.5      | 0.5    | 330      | 0.75  | 0.25  | 0.75   | 53.6     | 39.1  |
| 511 | B40R_087_062d | 0.75   | 0.25   | 0.875  | 0.875  | 0.625    | 0.562  | 319      | 0.76  | 0.25  | 0.875  | 54.6     | 45.0  |
| 512 | B34R_100_075d | 0.75   | 0.25   | 1.0    | 1.0    | 0.75     | 0.625  | 311      | 0.762 | 0.25  | 1.0    | 54.7     | 50.3  |
| 513 | R50Y_075_075d | 0.75   | 0.375  | 0.0    | 0.75   | 0.75     | 0.375  | 60       | 0.75  | 0.375 | 0.0    | 55.7     | 21.3  |
| 514 | R38Y_075_062d | 0.75   | 0.375  | 0.125  | 0.75   | 0.625    | 0.437  | 53       | 0.75  | 0.364 | 0.125  | 56.0     | 24.3  |
| 515 | R23Y_075_050d | 0.75   | 0.375  | 0.25   | 0.75   | 0.5      | 0.5    | 44       | 0.75  | 0.366 | 0.25   | 57.1     | 26.4  |
| 516 | R00Y_075_037d | 0.75   | 0.375  | 0.375  | 0.75   | 0.375    | 0.562  | 390      | 0.75  | 0.375 | 0.375  | 59.4     | 26.3  |
| 517 | R18Y_075_037d | 0.75   | 0.375  | 0.5    | 0.75   | 0.375    | 0.562  | 371      | 0.75  | 0.375 | 0.493  | 59.6     | 27.0  |
| 518 | B65R_075_037d | 0.75   | 0.375  | 0.625  | 0.75   | 0.375    | 0.562  | 349      | 0.75  | 0.375 | 0.631  | 59.6     | 28.4  |
| 519 | B50R_075_037d | 0.75   | 0.375  | 0.75   | 0.75   | 0.375    | 0.562  | 330      | 0.75  | 0.375 | 0.75   | 59.7     | 29.3  |
| 520 | B38R_087_050d | 0.75   | 0.375  | 0.875  | 0.875  | 0.5      | 0.625  | 316      | 0.758 | 0.375 | 0.875  | 60.6     | 35.2  |
| 521 | B30R_100_062d | 0.75   | 0.375  | 1.0    | 1.0    | 0.625    | 0.687  | 307      | 0.76  | 0.375 | 1.0    | 60.5     | 39.9  |
| 522 | R68Y_075_075d | 0.75   | 0.5    | 0.0    | 0.75   | 0.75     | 0.375  | 71       | 0.75  | 0.512 | 0.0    | 63.0     | 8.8   |
| 523 | R61Y_075_062d | 0.75   | 0.5    | 0.125  | 0.75   | 0.625    | 0.437  | 67       | 0.75  | 0.51  | 0.125  | 63.6     | 10.5  |
| 524 | R50Y_075_050d | 0.75   | 0.5    | 0.25   | 0.75   | 0.5      | 0.5    | 60       | 0.75  | 0.5   | 0.25   | 63.2     | 14.2  |
| 525 | R31Y_075_037d | 0.75   | 0.5    | 0.375  | 0.75   | 0.375    | 0.562  | 49       | 0.75  | 0.493 | 0.375  | 63.7     | 16.9  |
| 526 | R00Y_075_025d | 0.75   | 0.5    | 0.5    | 0.75   | 0.25     | 0.625  | 390      | 0.75  | 0.5   | 0.5    | 65.7     | 17.5  |
| 527 | R00Y_075_025d | 0.75   | 0.5    | 0.625  | 0.75   | 0.25     | 0.625  | 360      | 0.75  | 0.5   | 0.625  | 65.8     | 18.5  |
| 528 | B50R_075_025d | 0.75   | 0.5    | 0.75   | 0.75   | 0.25     | 0.625  | 330      | 0.75  | 0.5   | 0.75   | 65.9     | 19.5  |
| 529 | B34R_087_037d | 0.75   | 0.5    | 0.875  | 0.875  | 0.375    | 0.687  | 311      | 0.756 | 0.5   | 0.875  | 66.5     | 25.1  |
| 530 | B25R_100_050d | 0.75   | 0.5    | 1.0    | 1.0    | 0.5      | 0.75   | 300      | 0.75  | 0.5   | 1.0    | 66.6     | 28.2  |
| 531 | R85Y_075_075d | 0.75   | 0.625  | 0.0    | 0.75   | 0.75     | 0.375  | 81       | 0.75  | 0.637 | 0.0    | 68.2     | 0.4   |
| 532 | R81Y_075_062d | 0.75   | 0.625  | 0.125  | 0.75   | 0.625    | 0.437  | 79       | 0.75  | 0.635 | 0.125  | 69.0     | 1.7   |
| 533 | R76Y_075_050d | 0.75   | 0.625  | 0.25   | 0.75   | 0.5      | 0.5    | 76       | 0.75  | 0.633 | 0.25   | 69.9     | 2.9   |
| 534 | R68Y_075_037d | 0.75   | 0.625  | 0.375  | 0.75   | 0.375    | 0.562  | 71       | 0.75  | 0.631 | 0.375  | 70.6     | 4.4   |
| 535 | R50Y_075_025d | 0.75   | 0.625  | 0.5    | 0.75   | 0.25     | 0.625  | 60       | 0.75  | 0.625 | 0.5    | 70.7     | 7.1   |
| 536 | R00Y_075_012d | 0.75   | 0.625  | 0.625  | 0.75   | 0.125    | 0.687  | 390      | 0.75  | 0.625 | 0.625  | 72.0     | 8.7   |
| 537 | B50R_075_012d | 0.75   | 0.625  | 0.75   | 0.75   | 0.125    | 0.687  | 330      | 0.75  | 0.625 | 0.75   | 72.1     | 9.7   |
| 538 | B25R_087_025d | 0.75   | 0.625  | 0.875  | 0.875  | 0.25     | 0.75   | 300      | 0.75  | 0.625 | 0.875  | 72.4     | 14.1  |
| 539 | B15R_100_037d | 0.75   | 0.625  | 1.0    | 1.0    | 0.375    | 0.812  | 289      | 0.743 | 0.625 | 1.0    | 72.0     | 17.0  |
| 540 | Y00G_075_075d | 0.75   | 0.75   | 0.0    | 0.75   | 0.75     | 0.375  | 90       | 0.75  | 0.75  | 0.0    | 71.9     | -5.1  |
| 541 | Y00G_075_062d | 0.75   | 0.75   | 0.125  | 0.75   | 0.625    | 0.437  | 90       | 0.75  | 0.75  | 0.125  | 73.0     | -4.3  |
| 542 | Y00G_075_050d | 0.75   | 0.75   | 0.25   | 0.75   | 0.5      | 0.5    | 90       | 0.75  | 0.75  | 0.25   | 74.0     | -3.4  |
| 543 | Y00G_075_037d | 0.75   | 0.75   | 0.375  | 0.75   | 0.375    | 0.562  | 90       | 0.75  | 0.75  | 0.375  | 75.1     | -2.5  |
| 544 | Y00G_075_025d | 0.75   | 0.75   | 0.5    | 0.75   | 0.25     | 0.625  | 90       | 0.75  | 0.75  | 0.5    | 76.1     | -1.7  |
| 545 | Y00G_075_012d | 0.75   | 0.75   | 0.625  | 0.75   | 0.125    | 0.687  | 90       | 0.75  | 0.75  | 0.625  | 77.2     | -0.8  |
| 546 | NW_075d       | 0.75   | 0.75   | 0.75   | 0.75   | 0.0      | 0.75   | 360      | 0.75  | 0.75  | 0.75   | 78.2     | 0.0   |
| 547 | B00R_087_012d | 0.75   | 0.75   | 0.875  | 0.875  | 0.125    | 0.812  | 270      | 0.75  | 0.75  | 0.875  | 78.5     | 3.2   |
| 548 | B00R_100_025d | 0.75   | 0.75   | 1.0    | 1.0    | 0.25     | 0.875  | 270      | 0.75  | 0.75  | 1.0    | 78.8     | 6.5   |
| 549 | Y13G_087_087d | 0.75   | 0.875  | 0.0    | 0.875  | 0.875    | 0.437  | 98       | 0.758 | 0.875 | 0.0    | 76.6     | -9.2  |
| 550 | Y15G_087_075d | 0.75   | 0.875  | 0.125  | 0.875  | 0.75     | 0.5    | 99       | 0.762 | 0.875 | 0.125  | 77.8     | -8.3  |
| 551 | Y18G_087_062d | 0.75   | 0.875  | 0.25   | 0.875  | 0.625    | 0.562  | 101      | 0.76  | 0.875 | 0.25   | 78.7     | -7.5  |
| 552 | Y23G_087_050d | 0.75   | 0.875  | 0.375  | 0.875  | 0.5      | 0.625  | 104      | 0.758 | 0.875 | 0.375  | 79.6     | -6.7  |
| 553 | Y31G_087_037d | 0.75   | 0.875  | 0.5    | 0.875  | 0.375    | 0.687  | 109      | 0.756 | 0.875 | 0.5    | 80.4     | -6.6  |
| 554 | Y50G_087_025d | 0.75   | 0.875  | 0.625  | 0.875  | 0.25     | 0.75   | 120      | 0.75  | 0.875 | 0.625  | 80.9     | -6.7  |
| 555 | G00B_087_012d | 0.75   | 0.875  | 0.75   | 0.875  | 0.125    | 0.812  | 150      | 0.75  | 0.875 | 0.75   | 81.5     | -8.1  |
| 556 | G50B_087_012d | 0.75   | 0.875  | 0.875  | 0.875  | 0.125    | 0.812  | 210      | 0.75  | 0.875 | 0.875  | 82.4     | -3.7  |
| 557 | G75B_100_025d | 0.75   | 0.875  | 1.0    | 1.0    | 0.25     | 0.875  | 240      | 0.75  | 0.875 | 1.0    | 83.1     | -1.5  |
| 558 | Y23G_100_100d | 0.75   | 1.0    | 0.0    | 1.0    | 0.0      | 0.5    | 104      | 0.766 | 1.0   | 0.0    | 81.0     | -13.5 |
| 559 | Y26G_100_087d | 0.75   | 1.0    | 0.125  | 1.0    | 0.875    | 0.562  | 106      | 0.766 | 1.0   | 0.125  | 82.0     | -13.1 |
| 560 | Y31G_100_075d | 0.75   | 1.0    | 0.25   | 1.0    | 0.75     | 0.625  | 109      | 0.762 | 1.0   | 0.25   | 82.7     | -13.3 |
| 561 | Y38G_100_062d | 0.75   | 1.0    | 0.375  | 1.0    | 0.625    | 0.687  | 113      | 0.76  | 1.0   | 0.375  | 83.4     | -13.3 |
| 562 | Y50G_100_050d | 0.75   | 1.0    | 0.5    | 1.0    | 0.5      | 0.75   | 120      | 0.75  | 1.0   | 0.5    | 83.5     | -13.4 |
| 563 | Y68G_100_037d | 0.75   | 1.0    | 0.625  | 1.0    | 0.375    | 0.812  | 131      | 0.743 | 1.0   | 0.625  | 83.6     | -14.9 |
| 564 | G00B_100_025d | 0.75   | 1.0    | 0.75   | 1.0    | 0.25     | 0.875  | 150      | 0.75  | 1.0   | 0.75   | 84.7     | -16.2 |
| 565 | G25B_100_025d | 0.75   | 1      |        |        |          |        |          |       |       |        |          |       |

Mean color difference of this page:  $\Delta E^* = 4.9$

TUB-test chart SE17; 1080 colours, offset standard paper  
colors and differences,  $\Delta E^*$ , 3D=0, de=0, cmY0

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmy0_d$

http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF /.PS; transfer output  
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 27/33

| n   | HIC*Fd        | rgb_Fd            | ict_Fd            | hsi_Fd | rgb*Fd            | LabCh*Fd       | rgb**Fd           | LabCh**Fd      | DE*Fd          | hsiMd | rgb*Md          | LabCh*Md        |
|-----|---------------|-------------------|-------------------|--------|-------------------|----------------|-------------------|----------------|----------------|-------|-----------------|-----------------|
| 567 | R00Y_087_087a | 0.875 0.0 0.0     | 0.875 0.875 0.437 | 390    | 0.875 0.0 0.0     | 43.5 61.5 39.3 | 0.875 0.0 0.0     | 44.1 64.7 40.6 | 76.4 32.1 3.5  | 389   | 1.0 0.0 0.0     | 46.4 70.3 44.9  |
| 568 | R36Y_087_087a | 0.875 0.0 0.125   | 0.875 0.875 0.437 | 382    | 0.875 0.0 0.116   | 43.7 62.1 33.6 | 0.875 0.0 0.125   | 44.4 65.2 35.0 | 74.0 28.2 3.4  | 382   | 1.0 0.0 0.133   | 46.5 71.0 38.5  |
| 569 | R23Y_087_087a | 0.875 0.0 0.25    | 0.875 0.875 0.437 | 374    | 0.875 0.0 0.233   | 43.7 62.8 27.6 | 0.875 0.0 0.25    | 44.7 66.0 28.2 | 71.8 23.1 3.3  | 375   | 1.0 0.0 0.266   | 46.6 71.8 31.6  |
| 570 | R08Y_087_087a | 0.875 0.0 0.375   | 0.875 0.875 0.437 | 365    | 0.875 0.0 0.364   | 43.9 63.9 20.5 | 0.875 0.0 0.375   | 44.7 67.1 21.5 | 70.5 17.7 3.4  | 365   | 1.0 0.0 0.416   | 46.8 73.0 23.4  |
| 571 | B70R_087_087a | 0.875 0.0 0.5     | 0.875 0.875 0.437 | 355    | 0.875 0.0 0.51    | 43.9 65.4 13.2 | 0.875 0.0 0.5     | 44.8 68.8 14.5 | 70.3 11.9 3.7  | 354   | 1.0 0.0 0.583   | 46.8 74.7 15.1  |
| 572 | B63R_087_087a | 0.875 0.0 0.625   | 0.875 0.875 0.437 | 346    | 0.875 0.0 0.641   | 44.0 66.6 7.5  | 0.875 0.0 0.625   | 44.9 70.0 8.3  | 70.5 6.8 3.5   | 344   | 1.0 0.0 0.733   | 46.9 76.2 8.5   |
| 573 | B56R_087_087a | 0.875 0.0 0.75    | 0.875 0.875 0.437 | 338    | 0.875 0.0 0.758   | 44.1 67.6 3.3  | 0.875 0.0 0.75    | 45.0 71.3 3.4  | 71.4 2.7 3.8   | 337   | 1.0 0.0 0.866   | 47.0 77.3 3.8   |
| 574 | B50R_087_087a | 0.875 0.0 0.875   | 0.875 0.875 0.437 | 330    | 0.875 0.0 0.875   | 44.2 68.5 -0.5 | 0.875 0.0 0.875   | 45.2 72.4 -0.9 | 72.4 2.4 359.0 | 40    | 1.0 0.0 1.0     | 47.2 78.3 -0.6  |
| 575 | B44R_100_100a | 0.875 0.0 1.0     | 1.0 1.0 0.5       | 323    | 0.883 0.0 1.0     | 45.5 74.1 -4.8 | 0.875 0.0 1.0     | 45.4 73.8 -5.1 | 74.0 356.0 0.4 | 323   | 0.883 0.0 1.0   | 45.5 74.1 -4.8  |
| 576 | R13Y_087_087a | 0.875 0.125 0.0   | 0.875 0.875 0.437 | 38     | 0.875 0.116 0.0   | 46.9 53.7 43.0 | 0.875 0.125 0.0   | 47.9 56.1 44.5 | 71.6 38.4 2.9  | 37    | 1.0 0.133 0.0   | 50.2 61.4 49.2  |
| 577 | R00Y_087_075a | 0.875 0.125 0.125 | 0.875 0.75 0.5    | 390    | 0.875 0.125 0.125 | 49.8 52.7 33.6 | 0.875 0.125 0.125 | 48.7 55.5 37.7 | 67.2 34.2 5.1  | 389   | 1.0 0.0 0.0     | 46.4 70.3 44.9  |
| 578 | R35Y_087_075a | 0.875 0.125 0.25  | 0.875 0.75 0.5    | 381    | 0.875 0.125 0.237 | 49.9 53.3 28.2 | 0.875 0.125 0.25  | 49.1 56.2 30.6 | 64.0 28.6 3.8  | 382   | 1.0 0.0 0.15    | 46.5 71.1 37.6  |
| 579 | R18Y_087_075a | 0.875 0.125 0.375 | 0.875 0.75 0.5    | 371    | 0.875 0.125 0.362 | 50.1 54.1 21.6 | 0.875 0.125 0.375 | 49.2 57.0 22.9 | 61.4 21.8 3.2  | 371   | 1.0 0.0 0.316   | 46.7 72.1 28.8  |
| 580 | R00Y_087_075a | 0.875 0.125 0.5   | 0.875 0.75 0.5    | 360    | 0.875 0.125 0.5   | 50.0 55.5 14.2 | 0.875 0.125 0.5   | 49.6 58.4 15.1 | 60.4 14.5 3.1  | 360   | 1.0 0.0 0.5     | 46.7 74.0 19.0  |
| 581 | B65R_087_075a | 0.875 0.125 0.625 | 0.875 0.75 0.5    | 349    | 0.875 0.125 0.637 | 50.2 56.8 8.0  | 0.875 0.125 0.625 | 50.0 59.4 8.2  | 60.0 7.8 2.6   | 348   | 1.0 0.0 0.683   | 46.9 75.7 10.7  |
| 582 | B57R_087_075a | 0.875 0.125 0.75  | 0.875 0.75 0.5    | 339    | 0.875 0.125 0.762 | 50.3 57.9 3.3  | 0.875 0.125 0.75  | 50.3 60.8 2.5  | 60.8 2.3 3.0   | 337   | 1.0 0.0 0.85    | 47.0 77.2 4.4   |
| 583 | B50R_087_075a | 0.875 0.125 0.875 | 0.875 0.75 0.5    | 330    | 0.875 0.125 0.875 | 50.4 58.7 -0.4 | 0.875 0.125 0.875 | 50.4 61.7 -2.0 | 61.8 358.0 3.4 | 330   | 1.0 0.0 1.0     | 47.2 78.3 -0.6  |
| 584 | B43R_100_087a | 0.875 0.125 1.0   | 1.0 1.0 0.875     | 322    | 0.883 0.125 1.0   | 51.6 64.4 -4.6 | 0.875 0.125 1.0   | 50.8 63.0 -6.4 | 63.4 354.1 2.3 | 322   | 0.866 0.0 1.0   | 45.2 73.6 -5.3  |
| 585 | R26Y_087_087a | 0.875 0.25 0.0    | 0.875 0.875 0.437 | 46     | 0.875 0.233 0.0   | 51.6 43.6 48.4 | 0.875 0.25 0.0    | 52.9 44.9 49.6 | 66.9 47.8 2.2  | 44    | 1.0 0.266 0.0   | 55.6 49.8 55.3  |
| 586 | R15Y_087_075a | 0.875 0.25 0.125  | 0.875 0.75 0.5    | 39     | 0.875 0.237 0.125 | 53.2 45.0 37.5 | 0.875 0.25 0.125  | 53.7 44.5 42.1 | 61.2 43.4 4.6  | 37    | 1.0 0.15 0.0    | 50.9 60.0 50.0  |
| 587 | R00Y_087_062a | 0.875 0.25 0.25   | 0.875 0.625 0.562 | 390    | 0.875 0.25 0.25   | 56.0 43.9 28.0 | 0.875 0.25 0.25   | 54.7 44.0 33.6 | 55.4 37.3 5.7  | 389   | 1.0 0.0 0.0     | 46.4 70.3 44.9  |
| 588 | R31Y_087_062a | 0.875 0.25 0.375  | 0.875 0.625 0.562 | 379    | 0.875 0.25 0.364  | 56.2 44.6 22.4 | 0.875 0.25 0.375  | 55.3 44.4 25.6 | 51.3 30.0 3.3  | 380   | 1.0 0.0 0.183   | 46.6 71.3 35.9  |
| 589 | R11Y_087_062a | 0.875 0.25 0.5    | 0.875 0.625 0.562 | 367    | 0.875 0.25 0.489  | 56.3 45.3 15.7 | 0.875 0.25 0.5    | 55.7 45.6 18.0 | 49.0 21.5 2.3  | 367   | 1.0 0.0 0.383   | 46.9 72.5 25.1  |
| 590 | B69R_087_062a | 0.875 0.25 0.625  | 0.875 0.625 0.562 | 353    | 0.875 0.25 0.635  | 56.4 46.9 8.5  | 0.875 0.25 0.625  | 56.4 46.4 9.4  | 47.4 11.5 1.0  | 352   | 1.0 0.0 0.616   | 46.9 75.0 13.6  |
| 591 | B59R_087_062a | 0.875 0.25 0.75   | 0.875 0.625 0.562 | 341    | 0.875 0.25 0.76   | 56.4 48.0 3.4  | 0.875 0.25 0.75   | 56.7 47.5 3.3  | 47.6 4.0 0.6   | 339   | 1.0 0.0 0.816   | 47.0 76.9 5.5   |
| 592 | B50R_087_062a | 0.875 0.25 0.875  | 0.875 0.625 0.562 | 330    | 0.875 0.25 0.875  | 56.5 48.9 -0.4 | 0.875 0.25 0.875  | 57.0 48.8 -1.9 | 48.9 357.7 1.6 | 330   | 1.0 0.0 1.0     | 47.2 78.3 -0.6  |
| 593 | B42R_100_075a | 0.875 0.25 1.0    | 1.0 1.0 0.75      | 321    | 0.887 0.25 1.0    | 57.8 54.8 -4.3 | 0.875 0.25 1.0    | 57.8 50.4 -6.5 | 50.9 352.6 4.8 | 322   | 0.85 0.0 1.0    | 44.9 73.1 -5.8  |
| 594 | R41Y_087_087a | 0.875 0.375 0.0   | 0.875 0.875 0.437 | 55     | 0.875 0.364 0.0   | 57.6 31.5 54.9 | 0.875 0.375 0.0   | 58.6 33.4 55.6 | 64.9 59.0 2.2  | 54    | 1.0 0.416 0.0   | 62.4 36.0 62.8  |
| 595 | R31Y_087_075a | 0.875 0.375 0.125 | 0.875 0.75 0.5    | 49     | 0.875 0.362 0.125 | 58.4 33.9 43.4 | 0.875 0.375 0.125 | 59.2 33.4 46.5 | 57.3 54.3 3.2  | 48    | 1.0 0.316 0.0   | 57.8 45.2 57.9  |
| 596 | R18Y_087_062a | 0.875 0.375 0.25  | 0.875 0.625 0.562 | 41     | 0.875 0.364 0.25  | 59.7 35.7 32.2 | 0.875 0.375 0.25  | 59.8 34.0 36.5 | 49.8 47.0 4.5  | 39    | 1.0 0.183 0.0   | 52.2 57.1 51.6  |
| 597 | R00Y_087_050a | 0.875 0.375 0.375 | 0.875 0.5 0.625   | 390    | 0.875 0.375 0.375 | 62.3 35.1 22.4 | 0.875 0.375 0.375 | 61.1 33.4 27.6 | 43.3 39.6 5.6  | 389   | 1.0 0.0 0.0     | 46.4 70.3 44.9  |
| 598 | R26Y_087_050a | 0.875 0.375 0.5   | 0.875 0.5 0.625   | 376    | 0.875 0.375 0.491 | 62.4 35.8 16.6 | 0.875 0.375 0.5   | 61.9 34.1 19.6 | 39.4 29.9 3.4  | 377   | 1.0 0.0 0.233   | 46.6 71.6 33.3  |
| 599 | R00Y_087_050a | 0.875 0.375 0.625 | 0.875 0.5 0.625   | 360    | 0.875 0.375 0.625 | 62.5 37.0 9.5  | 0.875 0.375 0.625 | 62.2 35.4 11.3 | 37.1 17.7 2.4  | 360   | 1.0 0.0 0.5     | 46.7 74.0 19.0  |
| 600 | B61R_087_050a | 0.875 0.375 0.75  | 0.875 0.5 0.625   | 344    | 0.875 0.375 0.758 | 62.6 38.2 3.6  | 0.875 0.375 0.75  | 62.9 36.7 3.9  | 36.9 6.1 1.6   | 342   | 1.0 0.0 0.766   | 46.9 76.5 7.2   |
| 601 | B50R_087_050a | 0.875 0.375 0.875 | 0.875 0.5 0.625   | 330    | 0.875 0.375 0.875 | 62.7 39.1 -0.3 | 0.875 0.375 0.875 | 63.5 37.6 -1.5 | 37.6 357.5 2.1 | 330   | 1.0 0.0 1.0     | 47.2 78.3 -0.6  |
| 602 | B40R_100_062a | 0.875 0.375 1.0   | 1.0 1.0 0.625     | 319    | 0.885 0.375 1.0   | 63.8 45.0 -4.1 | 0.875 0.375 1.0   | 64.2 38.9 -6.9 | 39.5 349.8 6.7 | 320   | 0.816 0.0 1.0   | 44.1 72.1 -6.7  |
| 603 | R58Y_087_087a | 0.875 0.5 0.0     | 0.875 0.875 0.437 | 65     | 0.875 0.51 0.0    | 65.2 17.8 63.0 | 0.875 0.5 0.0     | 64.8 21.3 62.0 | 65.6 71.0 3.7  | 65    | 1.0 0.583 0.0   | 71.1 20.3 72.0  |
| 604 | R50Y_087_075a | 0.875 0.5 0.125   | 0.875 0.75 0.5    | 60     | 0.875 0.5 0.125   | 64.8 21.3 50.0 | 0.875 0.5 0.125   | 65.0 22.4 51.0 | 55.7 66.2 1.5  | 59    | 1.0 0.5 0.0     | 66.4 28.5 66.7  |
| 605 | R38Y_087_062a | 0.875 0.5 0.25    | 0.875 0.625 0.562 | 53     | 0.875 0.489 0.25  | 65.1 24.3 38.1 | 0.875 0.5 0.25    | 65.2 23.9 40.1 | 46.7 59.2 2.0  | 52    | 1.0 0.383 0.0   | 60.9 38.9 61.0  |
| 606 | R23Y_087_050a | 0.875 0.5 0.375   | 0.875 0.5 0.625   | 44     | 0.875 0.491 0.375 | 66.2 26.4 26.8 | 0.875 0.5 0.375   | 65.9 24.7 30.0 | 38.9 50.5 3.6  | 42    | 1.0 0.233 0.0   | 54.2 52.8 53.7  |
| 607 | R00Y_087_037a | 0.875 0.5 0.5     | 0.875 0.375 0.687 | 390    | 0.875 0.5 0.5     | 68.5 26.3 16.8 | 0.875 0.5 0.5     | 67.5 24.4 21.3 | 32.4 41.0 4.9  | 389   | 1.0 0.0 0.0     | 46.4 70.3 44.9  |
| 608 | R18Y_087_037a | 0.875 0.5 0.625   | 0.875 0.375 0.687 | 371    | 0.875 0.5 0.618   | 68.7 27.0 10.8 | 0.875 0.5 0.625   | 68.3 25.3 13.0 | 28.5 27.1 2.8  | 371   | 1.0 0.0 0.316   | 46.7 72.1 28.8  |
| 609 | B65R_087_037a | 0.875 0.5 0.75    | 0.875 0.375 0.687 | 349    | 0.875 0.5 0.756   | 68.8 28.4 4.0  | 0.875 0.5 0.75    | 68.9 26.7 5.0  | 27.1 10.6 1.9  | 348   | 1.0 0.0 0.683   | 46.9 75.7 10.7  |
| 610 | B50R_087_037a | 0.875 0.5 0.875   | 0.875 0.375 0.687 | 330    | 0.875 0.5 0.875   | 68.8 29.3 -0.2 | 0.875 0.5 0.875   | 69.5 27.8 -0.9 | 27.9 357.9 1.7 | 330   | 1.0 0.0 1.0     | 47.2 78.3 -0.6  |
| 611 | B38R_100_050a | 0.875 0.5 1.0     | 1.0 0.5 0.75      | 316    | 0.883 0.5 1.0     | 69.8 35.2 -4.0 | 0.875 0.5 1.0     | 70.3 29.2 -6.6 | 30.0 347.1 6.5 | 317   | 0.766 0.0 1.0   | 43.1 70.5 -8.0  |
| 612 | R73Y_087_087a | 0.875 0.625 0.0   | 0.875 0.875 0.437 | 74     | 0.875 0.641 0.0   | 71.5 7.0 69.6  | 0.875 0.625 0.0   | 71.0 10.2 68.7 | 69.5 81.4 3.3  | 75    | 1.0 0.733 0.0   | 78.3 8.0 79.5   |
| 613 | R68Y_087_075a | 0.875 0.625 0.125 | 0.875 0.75 0.5    | 71     | 0.875 0.637 0.125 | 72.1 8.8 57.9  | 0.875 0.625 0.125 | 71.5 10.9 56.9 | 58.0 79.1 2.3  | 71    | 1.0 0.683 0.0   | 76.1 11.8 77.2  |
| 614 | R61Y_087_062a | 0.875 0.625 0.25  | 0.875 0.625 0.562 | 67     | 0.875 0.635 0.25  | 72.7 10.5 46.2 | 0.875 0.625 0.25  | 72.5 11.3 45.1 | 46.6 75.8 1.3  | 67    | 1.0 0.616 0.0   | 73.0 16.8 73.9  |
| 615 | R50Y_087_050a | 0.875 0.625 0.375 | 0.875 0.5 0.625   | 60     | 0.875 0.625 0.375 | 72.3 14.2 33.3 | 0.875 0.625 0.375 | 73.0 12.7 33.9 | 36.2 69.5 1.8  | 59    | 1.0 0.5 0.0     | 66.4 28.5 66.7  |
| 616 | R31Y_087_037a | 0.875 0.625 0.5   | 0.875 0.375 0.687 | 49     | 0.875 0.618 0.5   | 72.8 16.9 21.7 | 0.875 0.625 0.5   | 73.8 13.8 24.1 | 27.8 60.0 3.9  | 48    | 1.0 0.316 0.0   | 57.8 45.2 57.9  |
| 617 | R00Y_087_025a | 0.875 0.625 0.625 | 0.875 0.25 0.75   | 390    | 0.875 0.625 0.625 | 74.8 17.5 11.2 | 0.875 0.625 0.625 | 75.0 14.5 15.1 | 21.0 46.1 4.9  | 389   | 1.0 0.0 0.0     | 46.4 70.3 44.9  |
| 618 | R00Y_087_025a | 0.875 0.625 0.75  | 0.875 0.25 0.75   | 360    | 0.875 0.625 0.75  | 74.9 18.5 4.7  | 0.875 0.625 0.75  | 75.8 15.8 7.2  | 17.3 24.5 3.7  | 360   | 1.0 0.0 0.5     | 46.7 74.0 19.0  |
| 619 | B50R_087_025a | 0.875 0.625 0.875 | 0.875 0.25 0.75   | 330    | 0.875 0.625 0.875 | 75.0 19.5 -0.1 | 0.875 0.625 0.875 | 76.5 17.1 0.2  | 17.1 0.8       | 28    | 330 1.0 0.0 1.0 | 47.2 78.3 -0.6  |
| 620 | B34R_100_037a | 0.875 0.625 1.0   | 1.0 0.375 0.812   | 311    | 0.881 0.625 1.0   | 75.6 25.1 -4.1 | 0.875 0.625 1.0   | 77.4 18.6 -5.9 | 19.6 342.2 6.9 | 311   | 1.0 0.683 0.0   | 67.1 -11.0 68.0 |
| 621 | R86Y_087_087a | 0.875 0.75 0.0    | 0.875 0.875 0.437 | 82     | 0.875 0.758 0.0   | 76.2 -0.3 74.5 | 0.875 0.75 0.0    | 75.3 3.1 72.9  | 73.0 87.5 3.9  | 82    | 1.0 0.866 0.0   | 83.8 -0.4 85.2  |
| 622 | R85Y_087_075a | 0.875 0.75 0.125  | 0.875 0.75 0.5    | 81     | 0.875 0.762 0.125 | 77.3 0.4 63.4  | 0.875 0.75 0.125  | 76.6 2.8 61.3  | 61.4 87.3 3.   |       |                 |                 |

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TUB registration: 20130201-SE17/SE17L0NP.PDF /PS  
application for measurement of offset print output, separationcnmy0 (CMY0)

TUB material: code=rha4ta

| n   | HIC*Fd        | rgb_Fd | ict_Fd | hsi_Fd | rgb*Fd | LabCh*Fd | rgb**Fd | LabCh**Fd | DE**Fd | hsi_d | rgb**Md | LabCh**Md |      |      |      |       |
|-----|---------------|--------|--------|--------|--------|----------|---------|-----------|--------|-------|---------|-----------|------|------|------|-------|
| 648 | R00Y_100_100a | 1.0    | 0.0    | 0.0    | 1.0    | 1.0      | 0.5     | 390       | 1.0    | 0.0   | 0.0     | 46.4      | 70.3 | 44.9 | 83.4 | 32.5  |
| 649 | R38Y_100_100a | 1.0    | 0.0    | 0.125  | 1.0    | 1.0      | 0.5     | 383       | 1.0    | 0.0   | 0.116   | 46.5      | 70.9 | 39.3 | 81.0 | 29.0  |
| 650 | R26Y_100_100a | 1.0    | 0.0    | 0.25   | 1.0    | 1.0      | 0.5     | 376       | 1.0    | 0.0   | 0.233   | 46.6      | 71.6 | 33.3 | 79.0 | 24.9  |
| 651 | R13Y_100_100a | 1.0    | 0.0    | 0.375  | 1.0    | 1.0      | 0.5     | 368       | 1.0    | 0.0   | 0.366   | 46.8      | 72.4 | 26.0 | 76.9 | 19.8  |
| 652 | R00Y_100_100a | 1.0    | 0.0    | 0.5    | 1.0    | 1.0      | 0.5     | 360       | 1.0    | 0.0   | 0.5     | 46.7      | 74.0 | 19.0 | 76.4 | 14.4  |
| 653 | B68R_100_100a | 1.0    | 0.0    | 0.625  | 1.0    | 1.0      | 0.5     | 352       | 1.0    | 0.0   | 0.625   | 46.9      | 75.1 | 13.2 | 76.2 | 10.0  |
| 654 | B61R_100_100a | 1.0    | 0.0    | 0.75   | 1.0    | 1.0      | 0.5     | 344       | 1.0    | 0.0   | 0.75    | 46.9      | 76.3 | 7.8  | 76.7 | 5.8   |
| 655 | B55R_100_100a | 1.0    | 0.0    | 0.875  | 1.0    | 1.0      | 0.5     | 337       | 1.0    | 0.0   | 0.875   | 47.0      | 77.4 | 3.2  | 77.5 | 2.4   |
| 656 | B50R_100_100a | 1.0    | 0.0    | 1.0    | 1.0    | 1.0      | 0.5     | 330       | 1.0    | 0.0   | 1.0     | 47.2      | 78.3 | -0.6 | 78.3 | 359.5 |
| 657 | R11Y_100_100a | 1.0    | 0.125  | 0.0    | 1.0    | 1.0      | 0.5     | 37        | 1.0    | 0.116 | 0.0     | 49.9      | 62.1 | 48.7 | 79.0 | 38.1  |
| 658 | R00Y_100_087a | 1.0    | 0.125  | 0.125  | 1.0    | 0.875    | 0.562   | 390       | 1.0    | 0.125 | 0.125   | 50.6      | 61.7 | 41.6 | 74.5 | 34.0  |
| 659 | R36Y_100_087a | 1.0    | 0.125  | 0.25   | 1.0    | 0.875    | 0.562   | 382       | 1.0    | 0.125 | 0.25    | 50.9      | 62.4 | 34.4 | 71.2 | 28.8  |
| 660 | R23Y_100_087a | 1.0    | 0.125  | 0.375  | 1.0    | 0.875    | 0.562   | 374       | 1.0    | 0.125 | 0.375   | 51.1      | 63.2 | 27.6 | 68.9 | 23.5  |
| 661 | R08Y_100_087a | 1.0    | 0.125  | 0.5    | 1.0    | 0.875    | 0.562   | 365       | 1.0    | 0.125 | 0.5     | 51.4      | 64.0 | 20.3 | 67.1 | 17.5  |
| 662 | B70R_100_087a | 1.0    | 0.125  | 0.625  | 1.0    | 0.875    | 0.562   | 355       | 1.0    | 0.125 | 0.625   | 51.7      | 65.0 | 12.9 | 66.2 | 11.2  |
| 663 | B63R_100_087a | 1.0    | 0.125  | 0.75   | 1.0    | 0.875    | 0.562   | 346       | 1.0    | 0.125 | 0.75    | 52.2      | 65.9 | 6.5  | 66.2 | 5.6   |
| 664 | B56R_100_087a | 1.0    | 0.125  | 0.875  | 1.0    | 0.875    | 0.562   | 338       | 1.0    | 0.125 | 0.875   | 52.3      | 66.9 | 2.0  | 67.0 | 1.7   |
| 665 | B50R_100_087a | 1.0    | 0.125  | 1.0    | 1.0    | 0.875    | 0.562   | 330       | 1.0    | 0.125 | 1.0     | 52.7      | 67.5 | -2.5 | 67.5 | 357.8 |
| 666 | R23Y_100_100a | 1.0    | 0.25   | 0.0    | 1.0    | 1.0      | 0.5     | 44        | 1.0    | 0.233 | 0.0     | 54.2      | 51.4 | 54.3 | 74.8 | 46.5  |
| 667 | R13Y_100_087a | 1.0    | 0.25   | 0.125  | 1.0    | 0.875    | 0.562   | 38        | 1.0    | 0.241 | 0.125   | 56.0      | 53.7 | 43.0 | 68.8 | 38.7  |
| 668 | R00Y_100_075a | 1.0    | 0.25   | 0.25   | 1.0    | 0.75     | 0.625   | 390       | 1.0    | 0.25  | 0.25    | 58.9      | 52.7 | 33.6 | 62.5 | 32.5  |
| 669 | R35Y_100_075a | 1.0    | 0.25   | 0.375  | 1.0    | 0.75     | 0.625   | 381       | 1.0    | 0.25  | 0.362   | 59.0      | 53.3 | 28.2 | 60.3 | 27.8  |
| 670 | R18Y_100_075a | 1.0    | 0.25   | 0.5    | 1.0    | 0.75     | 0.625   | 371       | 1.0    | 0.25  | 0.487   | 59.2      | 54.1 | 21.6 | 58.3 | 21.7  |
| 671 | R00Y_100_075a | 1.0    | 0.25   | 0.625  | 1.0    | 0.75     | 0.625   | 360       | 1.0    | 0.25  | 0.625   | 59.2      | 55.5 | 14.2 | 57.3 | 14.4  |
| 672 | B65R_100_075a | 1.0    | 0.25   | 0.75   | 1.0    | 0.75     | 0.625   | 349       | 1.0    | 0.25  | 0.762   | 59.3      | 56.8 | 8.0  | 57.3 | 8.0   |
| 673 | B57R_100_075a | 1.0    | 0.25   | 0.875  | 1.0    | 0.75     | 0.625   | 339       | 1.0    | 0.25  | 0.887   | 59.4      | 57.9 | 3.3  | 58.0 | 3.2   |
| 674 | B50R_100_075a | 1.0    | 0.25   | 1.0    | 1.0    | 0.75     | 0.625   | 330       | 1.0    | 0.25  | 1.0     | 59.5      | 58.7 | -0.4 | 58.7 | 359.5 |
| 675 | R36Y_100_100a | 1.0    | 0.375  | 0.0    | 1.0    | 1.0      | 0.5     | 52        | 1.0    | 0.366 | 0.0     | 60.1      | 40.4 | 60.2 | 72.5 | 56.1  |
| 676 | R26Y_100_087a | 1.0    | 0.375  | 0.125  | 1.0    | 0.875    | 0.562   | 46        | 1.0    | 0.358 | 0.125   | 60.7      | 43.6 | 48.4 | 65.1 | 47.9  |
| 677 | R15Y_100_075a | 1.0    | 0.375  | 0.25   | 1.0    | 0.75     | 0.625   | 39        | 1.0    | 0.362 | 0.25    | 62.3      | 45.0 | 37.5 | 58.6 | 39.8  |
| 678 | R00Y_100_062a | 1.0    | 0.375  | 0.375  | 1.0    | 0.625    | 0.687   | 390       | 1.0    | 0.375 | 0.375   | 65.1      | 43.9 | 28.0 | 52.1 | 32.5  |
| 679 | R31Y_100_062a | 1.0    | 0.375  | 0.5    | 1.0    | 0.625    | 0.687   | 379       | 1.0    | 0.375 | 0.489   | 65.3      | 44.6 | 22.4 | 49.9 | 26.7  |
| 680 | R11Y_100_062a | 1.0    | 0.375  | 0.625  | 1.0    | 0.625    | 0.687   | 367       | 1.0    | 0.375 | 0.614   | 65.4      | 45.3 | 15.7 | 48.0 | 19.1  |
| 681 | B69R_100_062a | 1.0    | 0.375  | 0.75   | 1.0    | 0.625    | 0.687   | 353       | 1.0    | 0.375 | 0.76    | 65.5      | 46.9 | 8.5  | 47.6 | 10.3  |
| 682 | B59R_100_062a | 1.0    | 0.375  | 0.875  | 1.0    | 0.625    | 0.687   | 341       | 1.0    | 0.375 | 0.885   | 65.5      | 48.0 | 3.4  | 48.2 | 4.1   |
| 683 | B50R_100_062a | 1.0    | 0.375  | 1.0    | 1.0    | 0.625    | 0.687   | 330       | 1.0    | 0.375 | 1.0     | 65.6      | 48.9 | -0.4 | 48.9 | 359.5 |
| 684 | R50Y_100_100a | 1.0    | 0.5    | 0.0    | 1.0    | 1.0      | 0.5     | 60        | 1.0    | 0.5   | 0.0     | 66.4      | 28.5 | 66.7 | 72.5 | 66.8  |
| 685 | R41Y_100_087a | 1.0    | 0.5    | 0.125  | 1.0    | 0.875    | 0.562   | 55        | 1.0    | 0.489 | 0.125   | 66.7      | 31.5 | 54.9 | 63.3 | 60.1  |
| 686 | R31Y_100_075a | 1.0    | 0.5    | 0.25   | 1.0    | 0.75     | 0.625   | 49        | 1.0    | 0.487 | 0.25    | 67.5      | 33.9 | 43.4 | 55.1 | 52.0  |
| 687 | R18Y_100_062a | 1.0    | 0.5    | 0.375  | 1.0    | 0.625    | 0.687   | 41        | 1.0    | 0.489 | 0.375   | 68.8      | 35.7 | 32.2 | 48.1 | 42.0  |
| 688 | R00Y_100_050a | 1.0    | 0.5    | 0.5    | 1.0    | 0.5      | 0.75    | 390       | 1.0    | 0.5   | 0.5     | 69.5      | 29.5 | 25.7 | 39.2 | 41.0  |
| 689 | R26Y_100_050a | 1.0    | 0.5    | 0.625  | 1.0    | 0.5      | 0.75    | 376       | 1.0    | 0.5   | 0.616   | 71.5      | 35.8 | 16.6 | 39.5 | 24.9  |
| 690 | R00Y_100_050a | 1.0    | 0.5    | 0.75   | 1.0    | 0.5      | 0.75    | 360       | 1.0    | 0.5   | 0.75    | 71.6      | 37.0 | 9.5  | 38.2 | 14.4  |
| 691 | B61R_100_050a | 1.0    | 0.5    | 0.875  | 1.0    | 0.5      | 0.75    | 344       | 1.0    | 0.5   | 0.883   | 71.7      | 38.2 | 3.6  | 38.4 | 5.4   |
| 692 | B50R_100_050a | 1.0    | 0.5    | 1.0    | 1.0    | 0.5      | 0.75    | 330       | 1.0    | 0.5   | 1.0     | 71.8      | 39.1 | -0.3 | 39.1 | 359.5 |
| 693 | R63Y_100_100a | 1.0    | 0.625  | 0.0    | 1.0    | 1.0      | 0.5     | 68        | 1.0    | 0.633 | 0.0     | 73.9      | 15.3 | 74.7 | 76.3 | 78.4  |
| 694 | R58Y_100_087a | 1.0    | 0.625  | 0.125  | 1.0    | 0.875    | 0.562   | 65        | 1.0    | 0.635 | 0.125   | 74.3      | 17.8 | 63.0 | 65.5 | 74.2  |
| 695 | R50Y_100_075a | 1.0    | 0.625  | 0.25   | 1.0    | 0.75     | 0.625   | 60        | 1.0    | 0.625 | 0.25    | 73.9      | 21.3 | 50.0 | 54.4 | 66.8  |
| 696 | R38Y_100_062a | 1.0    | 0.625  | 0.375  | 1.0    | 0.625    | 0.687   | 53        | 1.0    | 0.614 | 0.375   | 74.2      | 24.3 | 38.1 | 45.2 | 57.4  |
| 697 | R23Y_100_050a | 1.0    | 0.625  | 0.5    | 1.0    | 0.5      | 0.75    | 44        | 1.0    | 0.616 | 0.5     | 75.3      | 26.4 | 26.8 | 37.6 | 45.4  |
| 698 | R00Y_100_037a | 1.0    | 0.625  | 0.625  | 1.0    | 0.375    | 0.812   | 390       | 1.0    | 0.625 | 0.625   | 77.7      | 26.3 | 16.8 | 31.2 | 32.5  |
| 699 | R18Y_100_037a | 1.0    | 0.625  | 0.75   | 1.0    | 0.375    | 0.812   | 371       | 1.0    | 0.625 | 0.743   | 77.8      | 27.0 | 10.8 | 29.1 | 21.7  |
| 700 | B65R_100_037a | 1.0    | 0.625  | 0.875  | 1.0    | 0.375    | 0.812   | 349       | 1.0    | 0.625 | 0.881   | 77.9      | 28.4 | 4.0  | 28.6 | 8.0   |
| 701 | B50R_100_037a | 1.0    | 0.625  | 1.0    | 1.0    | 0.375    | 0.812   | 330       | 1.0    | 0.625 | 1.0     | 78.0      | 29.3 | -0.2 | 29.3 | 359.5 |
| 702 | R76Y_100_100a | 1.0    | 0.75   | 0.0    | 1.0    | 1.0      | 0.5     | 76        | 1.0    | 0.766 | 0.0     | 79.7      | 5.8  | 81.0 | 81.2 | 85.8  |
| 703 | R73Y_100_087a | 1.0    | 0.75   | 0.125  | 1.0    | 0.875    | 0.562   | 74        | 1.0    | 0.766 | 0.125   | 80.6      | 7.0  | 69.6 | 69.9 | 84.1  |
| 704 | R68Y_100_075a | 1.0    | 0.75   | 0.25   | 1.0    | 0.75     | 0.625   | 71        | 1.0    | 0.762 | 0.25    | 81.2      | 8.8  | 57.9 | 58.6 | 81.2  |
| 705 | R61Y_100_062a | 1.0    | 0.75   | 0.375  | 1.0    | 0.625    | 0.687   | 67        | 1.0    | 0.76  | 0.375   | 81.8      | 10.5 | 46.2 | 47.3 | 77.1  |
| 706 | R50Y_100_050a | 1.0    | 0.75   | 0.5    | 1.0    | 0.5      | 0.75    | 60        | 1.0    | 0.75  | 0.5     | 81.4      | 14.2 | 33.3 | 36.2 | 66.8  |
| 707 | R31Y_100_037a | 1.0    | 0.75   | 0.625  | 1.0    | 0.375    | 0.812   | 49        | 1.0    | 0.743 | 0.625   | 82.0      | 16.9 | 21.7 | 27.5 | 52.0  |
| 708 | R00Y_100_025a | 1.0    | 0.75   | 0.75   | 1.0    | 0.25     | 0.875   | 390       | 1.0    | 0.75  | 0.75    | 83.9      | 17.5 | 11.2 | 20.8 | 32.5  |
| 709 | R00Y_100_025a | 1.0    | 0.75   | 0.875  | 1.0    | 0.25     | 0.875   | 360       | 1.0    | 0.75  | 0.875   | 84.0      | 18.5 | 4.7  | 19.1 | 14.4  |
| 710 | B50R_100_025a | 1.0    | 0.75   | 1.0    | 1.0    | 0.25     | 0.875   | 330       | 1.0    | 0.75  | 1.0     | 84.1      | 19.5 | -0.1 | 19.5 | 359.5 |
| 711 | R88Y_100_100a | 1.0    | 0.875  | 0.0    | 1.0    | 1.0      | 0.0     |           |        |       |         |           |      |      |      |       |

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technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| n   | HIC*Fd        | rgb_Fd            | ict_Fd            | hsi_Fd | rgb*Fd            | LabCh*Fd         | rgb*Fd      | LabCh*Fd          | DE**Fd           | hsiMd      | rgb*Md      | LabCh*Md     |
|-----|---------------|-------------------|-------------------|--------|-------------------|------------------|-------------|-------------------|------------------|------------|-------------|--------------|
| 729 | NW_100d       | 1.0 1.0 1.0       | 1.0 0.0 1.0       | 360    | 1.0 1.0 1.0       | 96.4 0.0 0.0     | 0.0 0.0 0.0 | 1.0 1.0 1.0       | 96.4 0.0 0.0     | 360        | 1.0 1.0 1.0 | 96.4 0.0 0.0 |
| 730 | G50B_100_012d | 0.875 1.0 1.0     | 1.0 0.125 0.937   | 210    | 0.875 1.0 1.0     | 91.5 -3.7 -4.9   | 6.2 233.2   | 0.875 1.0 1.0     | 93.0 -2.8 -3.8   | 4.8 233.1  | 2.0 210     | 1.0 1.0 1.0  |
| 731 | G50B_100_025d | 0.75 1.0 1.0      | 1.0 0.25 0.875    | 210    | 0.75 1.0 1.0      | 86.6 -7.4 -9.9   | 12.4 233.2  | 0.75 1.0 1.0      | 89.0 -5.8 -8.1   | 9.9 234.3  | 3.4 210     | 1.0 1.0 1.0  |
| 732 | G50B_100_037d | 0.625 1.0 1.0     | 1.0 0.375 0.812   | 210    | 0.625 1.0 1.0     | 81.6 -11.1 -14.9 | 18.6 233.2  | 0.625 1.0 1.0     | 84.2 -8.9 -12.7  | 15.5 235.0 | 4.0 210     | 1.0 1.0 1.0  |
| 733 | G50B_100_050d | 0.5 1.0 1.0       | 1.0 0.5 0.75      | 210    | 0.5 1.0 1.0       | 76.7 -14.8 -19.9 | 24.8 233.2  | 0.5 1.0 1.0       | 78.7 -12.9 -18.5 | 22.5 235.1 | 3.1 210     | 1.0 1.0 1.0  |
| 734 | G50B_100_062d | 0.375 1.0 1.0     | 1.0 0.625 0.687   | 210    | 0.375 1.0 1.0     | 71.8 -18.5 -24.9 | 31.1 233.2  | 0.375 1.0 1.0     | 73.3 -16.5 -23.9 | 29.1 235.4 | 2.7 210     | 1.0 1.0 1.0  |
| 735 | G50B_100_075d | 0.25 1.0 1.0      | 1.0 0.75 0.625    | 210    | 0.25 1.0 1.0      | 66.8 -22.3 -29.9 | 37.3 233.2  | 0.25 1.0 1.0      | 66.9 -21.4 -30.4 | 37.3 234.8 | 1.0 210     | 1.0 1.0 1.0  |
| 736 | G50B_100_087d | 0.125 1.0 1.0     | 1.0 0.875 0.562   | 210    | 0.125 1.0 1.0     | 61.9 -26.0 -34.9 | 43.5 233.2  | 0.125 1.0 1.0     | 61.4 -25.1 -35.9 | 43.8 235.0 | 1.4 210     | 1.0 1.0 1.0  |
| 737 | G50B_100_100d | 0.0 1.0 1.0       | 1.0 1.0 0.5       | 210    | 0.0 1.0 1.0       | 57.0 -29.7 -39.8 | 49.7 233.2  | 0.0 1.0 1.0       | 55.9 -28.8 -41.3 | 50.3 235.1 | 2.0 210     | 1.0 1.0 1.0  |
| 738 | ROOY_100_012d | 1.0 0.875 0.875   | 1.0 0.125 0.937   | 390    | 1.0 0.875 0.875   | 90.2 8.7 5.6     | 10.4 32.5   | 1.0 0.875 0.875   | 90.9 4.5 6.8     | 8.2 56.2   | 4.4 389     | 1.0 0.0 0.0  |
| 739 | NW_087d       | 0.875 0.875 0.875 | 0.875 0.0 0.875   | 360    | 0.875 0.875 0.875 | 87.3 0.0 0.0     | 0.0 0.0     | 0.875 0.875 0.875 | 87.7 1.3 2.8     | 3.1 64.7   | 3.2 360     | 1.0 1.0 1.0  |
| 740 | G50B_087_012d | 0.75 0.875 0.875  | 0.875 0.125 0.812 | 210    | 0.75 0.875 0.875  | 82.4 -3.7 -4.9   | 6.2 233.2   | 0.75 0.875 0.875  | 83.7 -1.9 -1.3   | 2.3 214.2  | 4.3 210     | 1.0 1.0 1.0  |
| 741 | G50B_087_025d | 0.625 0.875 0.875 | 0.875 0.25 0.75   | 210    | 0.625 0.875 0.875 | 77.5 -7.4 -9.9   | 12.4 233.2  | 0.625 0.875 0.875 | 79.3 -5.5 -5.9   | 8.0 226.9  | 4.8 210     | 1.0 1.0 1.0  |
| 742 | G50B_087_037d | 0.5 0.875 0.875   | 0.875 0.375 0.687 | 210    | 0.5 0.875 0.875   | 72.5 -11.1 -14.9 | 18.6 233.2  | 0.5 0.875 0.875   | 74.1 -9.8 -11.5  | 15.1 229.4 | 3.9 210     | 1.0 1.0 1.0  |
| 743 | G50B_087_050d | 0.375 0.875 0.875 | 0.875 0.5 0.625   | 210    | 0.375 0.875 0.875 | 67.6 -14.8 -19.9 | 24.8 233.2  | 0.375 0.875 0.875 | 68.7 -14.4 -17.1 | 22.4 229.8 | 3.0 210     | 1.0 1.0 1.0  |
| 744 | G50B_087_062d | 0.25 0.875 0.875  | 0.875 0.625 0.562 | 210    | 0.25 0.875 0.875  | 62.7 -18.5 -24.9 | 31.1 233.2  | 0.25 0.875 0.875  | 63.0 -19.9 -23.3 | 30.6 229.5 | 2.0 210     | 1.0 1.0 1.0  |
| 745 | G50B_087_075d | 0.125 0.875 0.875 | 0.875 0.75 0.5    | 210    | 0.125 0.875 0.875 | 57.7 -22.3 -29.9 | 37.3 233.2  | 0.125 0.875 0.875 | 57.5 -24.5 -29.0 | 37.9 229.8 | 2.3 210     | 1.0 1.0 1.0  |
| 746 | G50B_087_087d | 0.0 0.875 0.875   | 0.875 0.875 0.437 | 210    | 0.0 0.875 0.875   | 52.8 -26.0 -34.9 | 43.5 233.2  | 0.0 0.875 0.875   | 52.4 -29.2 -34.8 | 45.4 230.0 | 3.2 210     | 1.0 1.0 1.0  |
| 747 | ROOY_100_025d | 1.0 0.75 0.75     | 1.0 0.25 0.875    | 390    | 1.0 0.75 0.75     | 83.9 17.5 11.2   | 20.8 32.5   | 1.0 0.75 0.75     | 83.9 11.6 13.1   | 17.5 48.5  | 6.2 389     | 1.0 0.0 0.0  |
| 748 | ROOY_087_012d | 0.875 0.75 0.75   | 0.875 0.125 0.812 | 390    | 0.875 0.75 0.75   | 81.1 8.7 5.6     | 10.4 32.5   | 0.875 0.75 0.75   | 80.9 7.9 9.4     | 12.3 49.8  | 3.9 389     | 1.0 0.0 0.0  |
| 749 | NW_075d       | 0.75 0.75 0.75    | 0.75 0.0 0.75     | 360    | 0.75 0.75 0.75    | 78.2 0.0 0.0     | 0.0 0.0     | 0.75 0.75 0.75    | 77.1 4.3 5.4     | 6.9 51.0   | 7.0 360     | 1.0 1.0 1.0  |
| 750 | G50B_075_012d | 0.625 0.75 0.75   | 0.75 0.125 0.687  | 210    | 0.625 0.75 0.75   | 73.3 -3.7 -4.9   | 6.2 233.2   | 0.625 0.75 0.75   | 73.1 0.2 0.9     | 0.9 74.4   | 7.1 210     | 1.0 1.0 1.0  |
| 751 | G50B_075_025d | 0.5 0.75 0.75     | 0.75 0.25 0.625   | 210    | 0.5 0.75 0.75     | 68.3 -7.4 -9.9   | 12.4 233.2  | 0.5 0.75 0.75     | 68.0 -4.8 -4.6   | 6.6 223.9  | 5.9 210     | 1.0 1.0 1.0  |
| 752 | G50B_075_037d | 0.375 0.75 0.75   | 0.75 0.375 0.562  | 210    | 0.375 0.75 0.75   | 63.4 -11.1 -14.9 | 18.6 233.2  | 0.375 0.75 0.75   | 63.3 -9.8 -10.2  | 14.2 226.2 | 4.8 210     | 1.0 1.0 1.0  |
| 753 | G50B_075_050d | 0.25 0.75 0.75    | 0.75 0.5 0.5      | 210    | 0.25 0.75 0.75    | 58.5 -14.8 -19.9 | 24.8 233.2  | 0.25 0.75 0.75    | 57.8 -16.2 -16.6 | 23.2 225.7 | 3.6 210     | 1.0 1.0 1.0  |
| 754 | G50B_075_062d | 0.125 0.75 0.75   | 0.75 0.625 0.437  | 210    | 0.125 0.75 0.75   | 53.6 -18.5 -24.9 | 31.1 233.2  | 0.125 0.75 0.75   | 52.9 -21.7 -21.9 | 30.8 225.1 | 4.4 210     | 1.0 1.0 1.0  |
| 755 | G50B_075_075d | 0.0 0.75 0.75     | 0.75 0.75 0.375   | 210    | 0.0 0.75 0.75     | 48.6 -22.3 -29.9 | 37.3 233.2  | 0.0 0.75 0.75     | 47.9 -28.0 -28.0 | 39.6 224.9 | 6.0 210     | 1.0 1.0 1.0  |
| 756 | ROOY_100_037d | 1.0 0.625 0.625   | 1.0 0.375 0.812   | 390    | 1.0 0.625 0.625   | 77.7 26.3 16.8   | 31.2 32.5   | 1.0 0.625 0.625   | 77.8 17.9 20.2   | 27.0 48.3  | 9.0 389     | 1.0 0.0 0.0  |
| 757 | ROOY_087_025d | 0.875 0.625 0.625 | 0.875 0.25 0.75   | 390    | 0.875 0.625 0.625 | 74.8 17.5 11.2   | 20.8 32.5   | 0.875 0.625 0.625 | 74.9 14.2 16.2   | 21.6 48.7  | 6.0 389     | 1.0 0.0 0.0  |
| 758 | ROOY_075_012d | 0.75 0.625 0.625  | 0.75 0.125 0.687  | 390    | 0.75 0.625 0.625  | 72.0 8.7 5.6     | 10.4 32.5   | 0.75 0.625 0.625  | 71.5 10.1 12.2   | 15.8 50.3  | 6.7 389     | 1.0 0.0 0.0  |
| 759 | NW_062d       | 0.625 0.625 0.625 | 0.625 0.0 0.625   | 360    | 0.625 0.625 0.625 | 69.1 0.0 0.0     | 0.0 0.0     | 0.625 0.625 0.625 | 67.6 5.5 7.6     | 9.4 53.7   | 9.5 360     | 1.0 1.0 1.0  |
| 760 | G50B_062_012d | 0.5 0.625 0.625   | 0.625 0.125 0.562 | 210    | 0.5 0.625 0.625   | 64.2 -3.7 -4.9   | 6.2 233.2   | 0.5 0.625 0.625   | 63.1 0.0 2.5     | 2.5 90.3   | 8.4 210     | 1.0 1.0 1.0  |
| 761 | G50B_062_025d | 0.375 0.625 0.625 | 0.625 0.25 0.5    | 210    | 0.375 0.625 0.625 | 59.2 -7.4 -9.9   | 12.4 233.2  | 0.375 0.625 0.625 | 58.5 -5.7 -3.1   | 6.5 208.4  | 7.0 210     | 1.0 1.0 1.0  |
| 762 | G50B_062_037d | 0.25 0.625 0.625  | 0.625 0.375 0.437 | 210    | 0.25 0.625 0.625  | 54.3 -11.1 -14.9 | 18.6 233.2  | 0.25 0.625 0.625  | 53.4 -13.2 -9.3  | 16.2 215.2 | 6.0 210     | 1.0 1.0 1.0  |
| 763 | G50B_062_050d | 0.125 0.625 0.625 | 0.625 0.5 0.375   | 210    | 0.125 0.625 0.625 | 49.4 -14.8 -19.9 | 24.8 233.2  | 0.125 0.625 0.625 | 48.8 -19.8 -15.0 | 24.8 217.1 | 6.9 210     | 1.0 1.0 1.0  |
| 764 | G50B_062_062d | 0.0 0.625 0.625   | 0.625 0.625 0.312 | 210    | 0.0 0.625 0.625   | 44.4 -18.5 -24.9 | 31.1 233.2  | 0.0 0.625 0.625   | 44.2 -27.0 -21.2 | 34.4 218.1 | 9.2 210     | 1.0 1.0 1.0  |
| 765 | ROOY_100_050d | 1.0 0.5 0.5       | 1.0 0.5 0.75      | 390    | 1.0 0.5 0.5       | 71.4 35.1 22.4   | 41.7 32.5   | 1.0 0.5 0.5       | 70.0 28.2 26.4   | 38.7 43.1  | 8.1 389     | 1.0 0.0 0.0  |
| 766 | ROOY_087_037d | 0.875 0.5 0.5     | 0.875 0.375 0.687 | 390    | 0.875 0.5 0.5     | 68.5 26.3 16.8   | 31.2 32.5   | 0.875 0.5 0.5     | 67.4 23.8 22.7   | 32.9 43.6  | 6.5 389     | 1.0 0.0 0.0  |
| 767 | ROOY_075_025d | 0.75 0.5 0.5      | 0.75 0.25 0.625   | 390    | 0.75 0.5 0.5      | 65.7 17.5 11.2   | 20.8 32.5   | 0.75 0.5 0.5      | 64.2 19.3 18.4   | 26.7 43.5  | 7.5 389     | 1.0 0.0 0.0  |
| 768 | ROOY_062_012d | 0.625 0.5 0.5     | 0.625 0.125 0.562 | 390    | 0.625 0.5 0.5     | 62.8 8.7 5.6     | 10.4 32.5   | 0.625 0.5 0.5     | 60.8 14.2 14.2   | 20.1 45.0  | 10.4 389    | 1.0 0.0 0.0  |
| 769 | NW_050d       | 0.5 0.5 0.5       | 0.5 0.0 0.5       | 360    | 0.5 0.5 0.5       | 60.0 0.0 0.0     | 0.0 0.0     | 0.5 0.5 0.5       | 56.5 8.0 9.3     | 12.3 49.0  | 12.7 360    | 1.0 1.0 1.0  |
| 770 | G50B_050_012d | 0.375 0.5 0.5     | 0.5 0.125 0.437   | 210    | 0.375 0.5 0.5     | 55.1 -3.7 -4.9   | 6.2 233.2   | 0.375 0.5 0.5     | 52.4 1.1 3.5     | 3.3 72.5   | 10.1 210    | 1.0 1.0 1.0  |
| 771 | G50B_050_025d | 0.25 0.5 0.5      | 0.5 0.25 0.375    | 210    | 0.249 0.5 0.5     | 50.1 -7.4 -9.9   | 12.4 233.2  | 0.25 0.5 0.5      | 47.7 -6.6 -2.8   | 7.2 203.5  | 7.5 210     | 1.0 1.0 1.0  |
| 772 | G50B_050_037d | 0.125 0.5 0.5     | 0.5 0.375 0.312   | 210    | 0.124 0.5 0.5     | 45.2 -11.1 -14.9 | 18.6 233.2  | 0.125 0.5 0.5     | 43.5 -14.4 -8.9  | 16.9 211.8 | 7.0 210     | 1.0 1.0 1.0  |
| 773 | G50B_050_050d | 0.0 0.5 0.5       | 0.5 0.5 0.25      | 210    | 0.0 0.5 0.5       | 40.3 -14.8 -19.9 | 24.8 233.2  | 0.0 0.5 0.5       | 39.5 -23.3 -15.1 | 27.8 212.9 | 9.7 210     | 1.0 1.0 1.0  |
| 774 | ROOY_100_062d | 1.0 0.375 0.375   | 1.0 0.625 0.687   | 390    | 1.0 0.375 0.375   | 65.1 43.9 28.0   | 52.1 32.5   | 1.0 0.375 0.375   | 63.2 37.9 33.1   | 50.4 41.1  | 8.0 389     | 1.0 0.0 0.0  |
| 775 | ROOY_087_050d | 0.875 0.375 0.375 | 0.875 0.5 0.625   | 390    | 0.875 0.375 0.375 | 62.3 35.1 22.4   | 41.7 32.5   | 0.875 0.375 0.375 | 60.8 33.6 29.4   | 44.6 41.1  | 7.2 389     | 1.0 0.0 0.0  |
| 776 | ROOY_075_037d | 0.75 0.375 0.375  | 0.75 0.375 0.562  | 390    | 0.75 0.375 0.375  | 59.4 26.3 16.8   | 31.2 32.5   | 0.75 0.375 0.375  | 58.0 28.4 25.2   | 37.9 41.5  | 8.7 389     | 1.0 0.0 0.0  |
| 777 | ROOY_062_025d | 0                 |                   |        |                   |                  |             |                   |                  |            |             |              |

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE17/SE17L0NP.PDF /.PS  
application for measurement of offset print output, separationcnmy0 (CMY0)

TUB material: code=rha4ta

| n   | HIC*Fd        | rgb_Fd            | ict_Fd            | hsi_Fd  | rgb*Fd            | LabCh*Fd        | rgb*Fd      | LabCh*Fd          | DE**Fd          | hsiMd              | rgb*Md      | LabCh*Md        |             |
|-----|---------------|-------------------|-------------------|---------|-------------------|-----------------|-------------|-------------------|-----------------|--------------------|-------------|-----------------|-------------|
| 810 | NW_100d       | 1.0 1.0 1.0       | 1.0 0.0 1.0       | 1.0 360 | 1.0 1.0 1.0       | 96.4 0.0 0.0    | 0.0 0.0 0.0 | 1.0 1.0 1.0       | 96.5 0.0 0.0    | 179.2 0.1 360      | 1.0 1.0 1.0 | 96.4 0.0 0.0    | 0.0 0.0 0.0 |
| 811 | B00R_100_012d | 0.875 0.875 1.0   | 1.0 0.125 0.937   | 270     | 0.875 0.875 1.0   | 87.6 3.2 -4.8   | 5.8 303.9   | 0.875 0.875 1.0   | 88.5 3.2 -4.8   | 5.8 303.7 0.9 270  | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 812 | B00R_100_025d | 0.75 0.75 1.0     | 1.0 0.25 0.875    | 270     | 0.75 0.75 1.0     | 78.8 6.5 -9.6   | 11.6 303.9  | 0.75 0.75 1.0     | 78.5 8.0 -9.7   | 12.6 309.6 1.5 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 813 | B00R_100_037d | 0.625 0.625 1.0   | 1.0 0.375 0.812   | 270     | 0.625 0.625 1.0   | 69.9 9.7 -14.5  | 17.5 303.9  | 0.625 0.625 1.0   | 69.0 11.4 -14.7 | 18.6 307.9 1.9 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 814 | B00R_100_050d | 0.5 0.5 1.0       | 1.0 0.5 0.75      | 270     | 0.5 0.5 1.0       | 61.1 13.0 -19.3 | 23.3 303.9  | 0.5 0.5 1.0       | 57.6 16.8 -20.1 | 26.2 309.9 5.2 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 815 | B00R_100_062d | 0.375 0.375 1.0   | 1.0 0.625 0.687   | 270     | 0.375 0.375 1.0   | 52.3 16.2 -24.2 | 29.2 303.9  | 0.375 0.375 1.0   | 47.3 21.2 -25.0 | 32.8 310.3 7.0 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 816 | B00R_100_075d | 0.25 0.25 1.0     | 1.0 0.75 0.625    | 270     | 0.25 0.25 1.0     | 43.5 19.5 -29.0 | 35.0 303.9  | 0.25 0.25 1.0     | 38.4 23.4 -30.1 | 38.1 307.8 6.4 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 817 | B00R_100_087d | 0.125 0.125 1.0   | 1.0 0.875 0.562   | 270     | 0.125 0.125 1.0   | 34.6 22.8 -33.9 | 40.8 303.9  | 0.125 0.125 1.0   | 29.6 27.6 -34.5 | 44.2 308.7 7.0 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 818 | B00R_100_100d | 0.0 0.0 1.0       | 1.0 1.0 0.5       | 270     | 0.0 0.0 1.0       | 25.8 26.0 -38.7 | 46.7 303.9  | 0.0 0.0 1.0       | 23.9 27.3 -37.8 | 46.6 305.8 2.4 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 819 | Y00G_100_012d | 1.0 1.0 0.875     | 1.0 0.125 0.937   | 90      | 1.0 1.0 0.875     | 95.4 -0.8 11.2  | 11.2 94.3   | 1.0 1.0 0.875     | 95.5 -1.6 8.3   | 8.4 100.9 2.9 89   | 1.0 1.0 0.0 | 88.0 -6.8 89.7  | 90.0 94.3   |
| 820 | NW_087d       | 0.875 0.875 0.875 | 0.875 0.0 0.875   | 360     | 0.875 0.875 0.875 | 87.3 0.0 0.0    | 0.0 0.0 0.0 | 0.875 0.875 0.875 | 87.5 1.5 2.9    | 3.3 61.8 3.3 360   | 1.0 1.0 1.0 | 96.4 0.0 0.0    | 0.0 0.0 0.0 |
| 821 | B00R_087_012d | 0.75 0.75 0.875   | 0.875 0.125 0.812 | 270     | 0.75 0.75 0.875   | 78.5 3.2 -4.8   | 5.8 303.9   | 0.75 0.75 0.875   | 77.6 6.1 -2.5   | 6.6 337.3 3.7 270  | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 822 | B00R_087_025d | 0.625 0.625 0.875 | 0.875 0.25 0.75   | 270     | 0.625 0.625 0.875 | 69.7 6.5 -9.6   | 11.6 303.9  | 0.625 0.625 0.875 | 68.5 9.4 -7.7   | 12.1 320.7 3.7 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 823 | B00R_087_037d | 0.5 0.5 0.875     | 0.875 0.375 0.687 | 270     | 0.5 0.5 0.875     | 60.8 9.7 -14.5  | 17.5 303.9  | 0.5 0.5 0.875     | 57.5 14.4 -13.6 | 19.8 316.6 5.7 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 824 | B00R_087_050d | 0.375 0.375 0.875 | 0.875 0.5 0.625   | 270     | 0.375 0.375 0.875 | 52.0 13.0 -19.3 | 23.3 303.9  | 0.375 0.375 0.875 | 47.4 18.4 -19.1 | 26.5 313.9 7.1 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 825 | B00R_087_062d | 0.25 0.25 0.875   | 0.875 0.625 0.562 | 270     | 0.25 0.25 0.875   | 43.2 16.2 -24.2 | 29.2 303.9  | 0.25 0.25 0.875   | 38.2 20.4 -24.7 | 32.0 309.4 6.4 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 826 | B00R_087_075d | 0.125 0.125 0.875 | 0.875 0.75 0.5    | 270     | 0.125 0.125 0.875 | 34.4 19.5 -29.0 | 35.0 303.9  | 0.125 0.125 0.875 | 29.8 24.1 -29.8 | 38.4 308.9 6.5 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 827 | B00R_087_087d | 0.0 0.0 0.875     | 0.875 0.875 0.437 | 270     | 0.0 0.0 0.875     | 25.5 22.8 -33.9 | 40.8 303.9  | 0.0 0.0 0.875     | 23.9 23.6 -33.7 | 41.1 305.0 1.8 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 828 | Y00G_100_025d | 1.0 1.0 0.75      | 1.0 0.25 0.875    | 90      | 1.0 1.0 0.75      | 94.3 -1.7 22.4  | 22.5 94.3   | 1.0 1.0 0.75      | 94.3 -2.7 16.9  | 17.1 99.2 5.6 89   | 1.0 1.0 0.0 | 88.0 -6.8 89.7  | 90.0 94.3   |
| 829 | Y00G_087_012d | 0.875 0.875 0.75  | 0.875 0.125 0.812 | 90      | 0.875 0.875 0.75  | 86.3 -0.8 11.2  | 11.2 94.3   | 0.875 0.875 0.75  | 86.5 0.2 11.2   | 11.2 88.8 1.1 89   | 1.0 1.0 0.0 | 88.0 -6.8 89.7  | 90.0 94.3   |
| 830 | NW_075d       | 0.75 0.75 0.75    | 0.75 0.0 0.75     | 360     | 0.75 0.75 0.75    | 78.2 0.0 0.0    | 0.0 0.0 0.0 | 0.75 0.75 0.75    | 76.9 4.5 5.4    | 7.0 49.9 7.1 360   | 1.0 1.0 1.0 | 96.4 0.0 0.0    | 0.0 0.0 0.0 |
| 831 | B00R_075_012d | 0.625 0.625 0.75  | 0.75 0.125 0.687  | 270     | 0.625 0.625 0.75  | 69.4 3.2 -4.8   | 5.8 303.9   | 0.625 0.625 0.75  | 67.9 7.5 -0.3   | 7.5 357.1 6.3 270  | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 832 | B00R_075_025d | 0.5 0.5 0.75      | 0.75 0.25 0.625   | 270     | 0.5 0.5 0.75      | 60.6 6.5 -9.6   | 11.6 303.9  | 0.5 0.5 0.75      | 56.9 12.3 -6.7  | 14.0 331.1 7.4 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 833 | B00R_075_037d | 0.375 0.375 0.75  | 0.75 0.375 0.562  | 270     | 0.375 0.375 0.75  | 51.7 9.7 -14.5  | 17.5 303.9  | 0.375 0.375 0.75  | 47.1 15.6 -12.7 | 20.2 320.8 7.7 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 834 | B00R_075_050d | 0.25 0.25 0.75    | 0.75 0.5 0.5      | 270     | 0.25 0.25 0.75    | 42.9 13.0 -19.3 | 23.3 303.9  | 0.25 0.25 0.75    | 38.3 17.2 -18.9 | 25.6 312.2 6.2 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 835 | B00R_075_062d | 0.125 0.125 0.75  | 0.75 0.625 0.437  | 270     | 0.125 0.125 0.75  | 34.1 16.2 -24.2 | 29.2 303.9  | 0.125 0.125 0.75  | 29.9 20.4 -24.7 | 32.0 309.5 5.8 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 836 | B00R_075_075d | 0.0 0.0 0.75      | 0.75 0.75 0.375   | 270     | 0.0 0.0 0.75      | 25.3 19.5 -29.0 | 35.0 303.9  | 0.0 0.0 0.75      | 23.9 19.6 -29.2 | 35.2 303.8 1.3 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 837 | Y00G_100_037d | 1.0 1.0 0.625     | 1.0 0.375 0.812   | 90      | 1.0 1.0 0.625     | 93.3 -2.5 33.6  | 33.7 94.3   | 1.0 1.0 0.625     | 93.0 -3.9 27.2  | 27.5 98.2 6.5 89   | 1.0 1.0 0.0 | 88.0 -6.8 89.7  | 90.0 94.3   |
| 838 | Y00G_087_025d | 0.875 0.875 0.625 | 0.875 0.25 0.75   | 90      | 0.875 0.875 0.625 | 85.2 -1.7 22.4  | 22.5 94.3   | 0.875 0.875 0.625 | 85.5 -1.1 20.4  | 20.4 93.1 2.0 89   | 1.0 1.0 0.0 | 88.0 -6.8 89.7  | 90.0 94.3   |
| 839 | Y00G_075_012d | 0.75 0.75 0.625   | 0.75 0.125 0.687  | 90      | 0.75 0.75 0.625   | 77.2 -0.8 11.2  | 11.2 94.3   | 0.75 0.75 0.625   | 76.0 2.9 13.9   | 14.2 78.0 4.8 89   | 1.0 1.0 0.0 | 88.0 -6.8 89.7  | 90.0 94.3   |
| 840 | NW_062d       | 0.625 0.625 0.625 | 0.625 0.0 0.625   | 360     | 0.625 0.625 0.625 | 69.1 0.0 0.0    | 0.0 0.0 0.0 | 0.625 0.625 0.625 | 67.5 5.7 7.9    | 9.8 53.8 9.9 360   | 1.0 1.0 1.0 | 96.4 0.0 0.0    | 0.0 0.0 0.0 |
| 841 | B00R_062_012d | 0.5 0.5 0.625     | 0.625 0.125 0.562 | 270     | 0.5 0.5 0.625     | 60.3 3.2 -4.8   | 5.8 303.9   | 0.5 0.5 0.625     | 56.3 10.4 0.4   | 10.4 2.5 9.7 270   | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 842 | B00R_062_025d | 0.375 0.375 0.625 | 0.625 0.25 0.5    | 270     | 0.375 0.375 0.625 | 51.4 6.5 -9.6   | 11.6 303.9  | 0.375 0.375 0.625 | 46.9 13.1 -6.2  | 14.5 334.7 8.7 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 843 | B00R_062_037d | 0.25 0.25 0.625   | 0.625 0.375 0.437 | 270     | 0.25 0.25 0.625   | 42.6 9.7 -14.5  | 17.5 303.9  | 0.25 0.25 0.625   | 38.2 15.0 -13.0 | 19.9 318.9 7.0 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 844 | B00R_062_050d | 0.125 0.125 0.625 | 0.625 0.5 0.375   | 270     | 0.125 0.125 0.625 | 33.8 13.0 -19.3 | 23.3 303.9  | 0.125 0.125 0.625 | 29.8 18.0 -19.9 | 26.8 312.0 6.3 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 845 | B00R_062_062d | 0.0 0.0 0.625     | 0.625 0.625 0.312 | 270     | 0.0 0.0 0.625     | 25.0 16.2 -24.2 | 29.2 303.9  | 0.0 0.0 0.625     | 23.8 16.1 -25.0 | 29.7 302.7 1.4 270 | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 846 | Y00G_100_050d | 1.0 1.0 0.5       | 1.0 0.5 0.75      | 90      | 1.0 1.0 0.5       | 92.2 -3.4 44.8  | 45.0 94.3   | 1.0 1.0 0.5       | 91.8 -4.7 38.1  | 38.4 97.1 6.8 89   | 1.0 1.0 0.0 | 88.0 -6.8 89.7  | 90.0 94.3   |
| 847 | Y00G_087_037d | 0.875 0.875 0.5   | 0.875 0.375 0.687 | 90      | 0.875 0.875 0.5   | 84.2 -2.5 33.6  | 33.7 94.3   | 0.875 0.875 0.5   | 84.2 -2.3 31.2  | 31.3 94.2 2.4 89   | 1.0 1.0 0.0 | 88.0 -6.8 89.7  | 90.0 94.3   |
| 848 | Y00G_075_025d | 0.75 0.75 0.5     | 0.75 0.25 0.625   | 90      | 0.75 0.75 0.5     | 76.1 -1.7 22.4  | 22.5 94.3   | 0.75 0.75 0.5     | 75.2 1.5 24.0   | 24.0 86.3 3.7 89   | 1.0 1.0 0.0 | 88.0 -6.8 89.7  | 90.0 94.3   |
| 849 | Y00G_062_012d | 0.625 0.625 0.5   | 0.625 0.125 0.562 | 90      | 0.625 0.625 0.5   | 68.1 -0.8 11.2  | 11.2 94.3   | 0.625 0.625 0.5   | 66.8 4.2 16.7   | 17.3 75.6 7.6 89   | 1.0 1.0 0.0 | 88.0 -6.8 89.7  | 90.0 94.3   |
| 850 | NW_050d       | 0.5 0.5 0.5       | 0.5 0.0 0.5       | 360     | 0.5 0.5 0.5       | 60.0 0.0 0.0    | 0.0 0.0 0.0 | 0.5 0.5 0.5       | 56.1 8.4 8.5    | 11.9 45.4 12.6 360 | 1.0 1.0 1.0 | 96.4 0.0 0.0    | 0.0 0.0 0.0 |
| 851 | B00R_050_012d | 0.375 0.375 0.5   | 0.5 0.125 0.437   | 270     | 0.375 0.375 0.5   | 51.2 3.2 -4.8   | 5.8 303.9   | 0.375 0.375 0.5   | 46.6 11.1 1.0   | 11.1 5.5 10.8 270  | 0.0 0.0 1.0 | 25.8 26.0 -38.7 | 46.7 303.9  |
| 852 | B00R_050_025d | 0.25 0.25 0.5     | 0.5 0.25 0.375    | 270     | 0.249 0.249 0.5   | 42.3 6.5 -9.6   | 11.6 303.9  |                   |                 |                    |             |                 |             |

| n   | HIC*Fd        | rgb_Fd            | ict_Fd            | hsi_Fd      | rgb*Fd            | LabCh*Fd        | rgb**Fd      | LabCh**Fd         | DE**Fd          | hsiMd               | rgb*Md      | LabCh*Md        |             |
|-----|---------------|-------------------|-------------------|-------------|-------------------|-----------------|--------------|-------------------|-----------------|---------------------|-------------|-----------------|-------------|
| 891 | NW_100d       | 1.0 1.0 1.0       | 1.0 0.0 1.0       | 1.0 0.0 1.0 | 360               | 1.0 1.0 1.0     | 96.4 0.0 0.0 | 0.0 0.0 0.0       | 0.0 0.1 0.1     | 113.9 0.1 360       | 1.0 1.0 1.0 | 96.4 0.0 0.0    | 0.0 0.0 0.0 |
| 892 | B50R_100_012d | 1.0 0.875 1.0     | 1.0 0.125 0.937   | 330         | 1.0 0.875 1.0     | 90.3 9.7 0.0    | 9.7 359.5    | 1.0 0.875 1.0     | 91.8 6.1 -1.1   | 6.2 349.5 4.0 330   | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 893 | B50R_100_025d | 1.0 0.75 1.0      | 1.0 0.25 0.875    | 330         | 1.0 0.75 1.0      | 84.1 19.5 -0.1  | 19.5 359.5   | 1.0 0.75 1.0      | 85.8 14.1 -2.1  | 14.2 351.5 6.0 330  | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 894 | B50R_100_037d | 1.0 0.625 1.0     | 1.0 0.375 0.812   | 330         | 1.0 0.625 1.0     | 78.0 29.3 -0.2  | 29.3 359.5   | 1.0 0.625 1.0     | 80.1 21.9 -2.7  | 22.1 352.7 8.1 330  | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 895 | B50R_100_050d | 1.0 0.5 1.0       | 1.0 0.5 0.75      | 330         | 1.0 0.5 1.0       | 71.8 39.1 -0.3  | 39.1 359.5   | 1.0 0.5 1.0       | 72.2 33.4 -3.4  | 33.6 354.1 6.5 330  | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 896 | B50R_100_062d | 1.0 0.375 1.0     | 1.0 0.625 0.687   | 330         | 1.0 0.375 1.0     | 65.6 48.9 -0.4  | 48.9 359.5   | 1.0 0.375 1.0     | 65.2 44.4 -3.3  | 44.5 355.7 5.3 330  | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 897 | B50R_100_075d | 1.0 0.25 1.0      | 1.0 0.75 0.625    | 330         | 1.0 0.25 1.0      | 59.5 58.7 -0.4  | 58.7 359.5   | 1.0 0.25 1.0      | 58.3 56.5 -2.6  | 56.5 357.2 3.3 330  | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 898 | B50R_100_087d | 1.0 0.125 1.0     | 1.0 0.875 0.562   | 330         | 1.0 0.125 1.0     | 53.3 68.5 -0.5  | 68.5 359.5   | 1.0 0.125 1.0     | 51.3 69.4 -1.3  | 69.4 358.8 2.3 330  | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 899 | B50R_100_100d | 1.0 0.0 1.0       | 1.0 1.0 0.5       | 330         | 1.0 0.0 1.0       | 47.2 78.3 -0.6  | 78.3 359.5   | 1.0 0.0 1.0       | 46.3 79.0 0.7   | 79.0 0.5 1.7 330    | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 900 | GO0B_100_012d | 0.875 1.0 0.875   | 1.0 0.125 0.937   | 150         | 0.875 1.0 0.875   | 90.6 -8.1 3.4   | 8.8 157.0    | 0.875 1.0 0.875   | 91.9 -4.7 4.4   | 6.4 136.6 3.8 149   | 0.0 1.0 0.0 | 49.6 -65.0 27.6 | 70.6 157.0  |
| 901 | NW_087d       | 0.875 0.875 0.875 | 0.875 0.0 0.875   | 360         | 0.875 0.875 0.875 | 87.3 0.0 0.0    | 0.0 0.0 0.0  | 0.875 0.875 0.875 | 87.6 1.4 2.8    | 3.1 63.4 3.1 360    | 1.0 1.0 1.0 | 96.4 0.0 0.0    | 0.0 0.0 0.0 |
| 902 | B50R_087_012d | 0.875 0.75 0.875  | 0.875 0.125 0.812 | 330         | 0.875 0.75 0.875  | 81.2 9.7 0.0    | 9.7 359.5    | 0.875 0.75 0.875  | 81.8 9.4 1.5    | 9.6 9.3 1.7 330     | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 903 | B50R_087_025d | 0.875 0.625 0.875 | 0.875 0.25 0.75   | 330         | 0.875 0.625 0.875 | 75.0 19.5 -0.1  | 19.5 359.5   | 0.875 0.625 0.875 | 76.4 16.9 0.7   | 16.9 2.3 3.1 330    | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 904 | B50R_087_037d | 0.875 0.5 0.875   | 0.875 0.375 0.687 | 330         | 0.875 0.5 0.875   | 68.8 29.3 -0.2  | 29.3 359.5   | 0.875 0.5 0.875   | 69.1 28.3 -0.3  | 28.3 359.2 1.0 330  | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 905 | B50R_087_050d | 0.875 0.375 0.875 | 0.875 0.5 0.625   | 330         | 0.875 0.375 0.875 | 62.7 39.1 -0.3  | 39.1 359.5   | 0.875 0.375 0.875 | 62.4 39.0 -0.7  | 39.0 358.8 0.5 330  | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 906 | B50R_087_062d | 0.875 0.25 0.875  | 0.875 0.625 0.562 | 330         | 0.875 0.25 0.875  | 56.5 48.9 -0.4  | 48.9 359.5   | 0.875 0.25 0.875  | 55.8 50.5 -0.8  | 50.5 359.0 1.8 330  | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 907 | B50R_087_075d | 0.875 0.125 0.875 | 0.875 0.75 0.5    | 330         | 0.875 0.125 0.875 | 50.4 58.7 -0.4  | 58.7 359.5   | 0.875 0.125 0.875 | 48.9 63.6 -0.3  | 63.6 359.7 5.1 330  | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 908 | B50R_087_087d | 0.875 0.0 0.875   | 0.875 0.875 0.437 | 330         | 0.875 0.0 0.875   | 44.2 68.5 -0.5  | 68.5 359.5   | 0.875 0.0 0.875   | 43.9 73.6 1.1   | 73.6 0.9 5.4 330    | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 909 | GO0B_100_025d | 0.75 1.0 0.75     | 1.0 0.25 0.875    | 150         | 0.75 1.0 0.75     | 84.7 -16.2 6.9  | 17.6 157.0   | 0.75 1.0 0.75     | 86.7 -9.3 8.2   | 12.4 138.6 7.3 149  | 0.0 1.0 0.0 | 49.6 -65.0 27.6 | 70.6 157.0  |
| 910 | GO0B_087_012d | 0.75 0.875 0.75   | 0.875 0.125 0.812 | 150         | 0.75 0.875 0.75   | 81.5 -8.1 3.4   | 8.8 157.0    | 0.75 0.875 0.75   | 82.6 -3.4 6.6   | 7.4 117.5 5.7 149   | 0.0 1.0 0.0 | 49.6 -65.0 27.6 | 70.6 157.0  |
| 911 | NW_075d       | 0.75 0.75 0.75    | 0.75 0.0 0.75     | 360         | 0.75 0.75 0.75    | 78.2 0.0 0.0    | 0.0 0.0 0.0  | 0.75 0.75 0.75    | 77.4 4.1 5.2    | 6.6 51.3 6.7 360    | 1.0 1.0 1.0 | 96.4 0.0 0.0    | 0.0 0.0 0.0 |
| 912 | B50R_075_012d | 0.75 0.625 0.75   | 0.75 0.125 0.687  | 330         | 0.75 0.625 0.75   | 72.1 9.7 0.0    | 9.7 359.5    | 0.75 0.625 0.75   | 72.4 11.4 3.9   | 12.1 19.2 4.4 330   | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 913 | B50R_075_025d | 0.75 0.5 0.75     | 0.75 0.25 0.625   | 330         | 0.75 0.5 0.75     | 65.9 19.5 -0.1  | 19.5 359.5   | 0.75 0.5 0.75     | 65.4 22.3 2.4   | 22.4 6.1 3.7 330    | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 914 | B50R_075_037d | 0.75 0.375 0.75   | 0.75 0.375 0.562  | 330         | 0.75 0.375 0.75   | 59.7 29.3 -0.2  | 29.3 359.5   | 0.75 0.375 0.75   | 59.2 32.7 1.5   | 32.8 2.6 3.8 330    | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 915 | B50R_075_050d | 0.75 0.25 0.75    | 0.75 0.5 0.5      | 330         | 0.75 0.25 0.75    | 53.6 39.1 -0.3  | 39.1 359.5   | 0.75 0.25 0.75    | 52.6 44.2 0.8   | 44.2 1.1 5.3 330    | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 916 | B50R_075_062d | 0.75 0.125 0.75   | 0.75 0.625 0.437  | 330         | 0.75 0.125 0.75   | 47.4 48.9 -0.4  | 48.9 359.5   | 0.75 0.125 0.75   | 46.3 56.9 0.6   | 56.9 0.6 8.1 330    | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 917 | B50R_075_075d | 0.75 0.0 0.75     | 0.75 0.75 0.375   | 330         | 0.75 0.0 0.75     | 41.3 58.7 -0.4  | 58.7 359.5   | 0.75 0.0 0.75     | 41.3 67.2 1.1   | 67.2 0.9 8.6 330    | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 918 | GO0B_100_037d | 0.625 1.0 0.625   | 1.0 0.375 0.812   | 150         | 0.625 1.0 0.625   | 78.9 -24.4 10.3 | 26.5 157.0   | 0.625 1.0 0.625   | 81.0 -14.8 12.4 | 19.3 140.0 10.0 149 | 0.0 1.0 0.0 | 49.6 -65.0 27.6 | 70.6 157.0  |
| 919 | GO0B_087_025d | 0.625 0.875 0.625 | 0.875 0.25 0.75   | 150         | 0.625 0.875 0.625 | 75.6 -16.2 6.9  | 17.6 157.0   | 0.625 0.875 0.625 | 77.3 -9.0 10.4  | 13.8 130.7 8.2 149  | 0.0 1.0 0.0 | 49.6 -65.0 27.6 | 70.6 157.0  |
| 920 | GO0B_075_012d | 0.625 0.75 0.625  | 0.75 0.125 0.687  | 150         | 0.625 0.75 0.625  | 72.4 -8.1 3.4   | 8.8 157.0    | 0.625 0.75 0.625  | 72.5 -1.4 8.9   | 9.0 98.9 8.6 149    | 0.0 1.0 0.0 | 49.6 -65.0 27.6 | 70.6 157.0  |
| 921 | NW_062d       | 0.625 0.625 0.625 | 0.625 0.0 0.625   | 360         | 0.625 0.625 0.625 | 69.1 0.0 0.0    | 0.0 0.0 0.0  | 0.625 0.625 0.625 | 67.8 5.4 7.2    | 9.1 52.9 9.1 360    | 1.0 1.0 1.0 | 96.4 0.0 0.0    | 0.0 0.0 0.0 |
| 922 | B50R_062_012d | 0.625 0.5 0.625   | 0.625 0.125 0.562 | 330         | 0.625 0.5 0.625   | 62.9 9.7 0.0    | 9.7 359.5    | 0.625 0.5 0.625   | 61.4 15.9 5.3   | 16.8 18.4 8.3 330   | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 923 | B50R_062_025d | 0.625 0.375 0.625 | 0.625 0.25 0.5    | 330         | 0.625 0.375 0.625 | 56.8 19.5 -0.1  | 19.5 359.5   | 0.625 0.375 0.625 | 55.6 26.0 3.8   | 26.3 8.4 7.6 330    | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 924 | B50R_062_037d | 0.625 0.25 0.625  | 0.625 0.375 0.437 | 330         | 0.625 0.25 0.625  | 50.6 29.3 -0.2  | 29.3 359.5   | 0.625 0.25 0.625  | 49.4 37.4 2.5   | 37.5 3.8 8.6 330    | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 925 | B50R_062_050d | 0.625 0.125 0.625 | 0.625 0.5 0.375   | 330         | 0.625 0.125 0.625 | 44.5 39.1 -0.3  | 39.1 359.5   | 0.625 0.125 0.625 | 43.2 49.9 1.4   | 49.9 1.6 10.9 330   | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 926 | B50R_062_062d | 0.625 0.0 0.625   | 0.625 0.625 0.312 | 330         | 0.625 0.0 0.625   | 38.3 48.9 -0.4  | 48.9 359.5   | 0.625 0.0 0.625   | 38.6 59.8 1.2   | 59.8 1.2 11.0 330   | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 927 | GO0B_100_050d | 0.5 1.0 0.5       | 1.0 0.5 0.75      | 150         | 0.5 1.0 0.5       | 73.0 -32.5 13.8 | 35.3 157.0   | 0.5 1.0 0.5       | 74.9 -21.3 16.1 | 26.7 142.8 11.6 149 | 0.0 1.0 0.0 | 49.6 -65.0 27.6 | 70.6 157.0  |
| 928 | GO0B_087_037d | 0.5 0.875 0.5     | 0.875 0.375 0.687 | 150         | 0.5 0.875 0.5     | 69.8 -24.4 10.3 | 26.5 157.0   | 0.5 0.875 0.5     | 71.5 -15.9 14.0 | 21.2 138.6 9.3 149  | 0.0 1.0 0.0 | 49.6 -65.0 27.6 | 70.6 157.0  |
| 929 | GO0B_075_025d | 0.5 0.75 0.5      | 0.75 0.25 0.625   | 150         | 0.5 0.75 0.5      | 66.5 -16.2 6.9  | 17.6 157.0   | 0.5 0.75 0.5      | 67.0 -8.4 12.4  | 15.0 124.1 9.6 149  | 0.0 1.0 0.0 | 49.6 -65.0 27.6 | 70.6 157.0  |
| 930 | GO0B_062_012d | 0.5 0.625 0.5     | 0.625 0.125 0.562 | 150         | 0.5 0.625 0.5     | 63.3 -8.1 3.4   | 8.8 157.0    | 0.5 0.625 0.5     | 62.8 -2.1 10.4  | 10.6 101.6 9.2 149  | 0.0 1.0 0.0 | 49.6 -65.0 27.6 | 70.6 157.0  |
| 931 | NW_050d       | 0.5 0.5 0.5       | 0.5 0.0 0.5       | 360         | 0.5 0.5 0.5       | 60.0 0.0 0.0    | 0.0 0.0 0.0  | 0.5 0.5 0.5       | 56.9 8.2 8.0    | 11.5 44.0 11.9 360  | 1.0 1.0 1.0 | 96.4 0.0 0.0    | 0.0 0.0 0.0 |
| 932 | B50R_050_012d | 0.5 0.375 0.5     | 0.5 0.125 0.437   | 330         | 0.5 0.375 0.5     | 53.8 9.7 0.0    | 9.7 359.5    | 0.5 0.375 0.5     | 51.4 18.0 5.8   | 19.0 17.7 10.4 330  | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 933 | B50R_050_025d | 0.5 0.25 0.5      | 0.5 0.25 0.375    | 330         | 0.5 0.25 0.5      | 47.7 19.5 -0.1  | 19.5 359.5   | 0.5 0.25 0.5      | 45.6 29.1 3.7   | 29.3 7.3 10.5 330   | 1.0 0.0 1.0 | 47.2 78.3 -0.6  | 78.3 359.5  |
| 934 | B50R_050      |                   |                   |             |                   |                 |              |                   |                 |                     |             |                 |             |

http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF /.PS; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 32/33

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

|     |         | HIC*Fd |     |     |     | rgb_Fd |     |     |     | ict_Fd |     |     |     | hsi_Fd |     |     |     | rgb*Fd |     |     |     | LabCh*Fd |     |     |     | rgb*Fd |     |     |     | LabCh*Fd |     |     |     | DE**Fd |     |     |     | hsi_Md |     |     |     | rgb*Md |     |     |     | LabCh*Md |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     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| 972 | NW_000d | 0.0    | 0.0 | 0.0 | 0.0 | 0.0    | 0.0 | 0.0 | 0.0 | 0.0    | 0.0 | 0.0 | 0.0 | 0.0    | 0.0 | 0.0 | 0.0 | 0.0    | 0.0 | 0.0 | 0.0 | 0.0      | 0.0 | 0.0 | 0.0 | 0.0    | 0.0 | 0.0 | 0.0 | 0.0      | 0.0 | 0.0 | 0.0 | 0.0    | 0.0 | 0.0 | 0.0 | 0.0    | 0.0 | 0.0 | 0.0 | 0.0    | 0.0 | 0.0 | 0.0 | 0.0      | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0</ |

http://130.149.60.45/~farbmetrik/SE17/SE17L0NP.PDF /.PS; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33

see similar files: <http://130.149.60.45/~farbmetrik/SE17/SE17.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>TUB registration: 20130201-SE17/SE17L0NP.PDF /.PS TUB material: code=rha4ta  
application for measurement of offset print output, separationcnmy0 (CMY0)

| n    | HIC*Fd        | rgb_Fd |       | ict_Fd |       | hsi_Fd |       | rgb*Fd |       | LabCh*Fd |       |      | rgb**Fd |       |      | LabCh**Fd |     |       | DE**Fd |       | hsiM,d | rgb*Md |       | LabCh*Md |       |      |     |     |     |      |       |       |       |       |       |
|------|---------------|--------|-------|--------|-------|--------|-------|--------|-------|----------|-------|------|---------|-------|------|-----------|-----|-------|--------|-------|--------|--------|-------|----------|-------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|
| 1053 | NW_086d       | 0.866  | 0.866 | 0.866  | 0.866 | 0.0    | 0.866 | 360    | 0.866 | 0.866    | 0.866 | 86.7 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.866 | 0.866  | 0.866 | 87.1   | 1.5    | 2.6   | 3.0      | 58.7  | 3.0  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1054 | NW_093d       | 0.933  | 0.933 | 0.933  | 0.933 | 0.0    | 0.933 | 360    | 0.933 | 0.933    | 0.933 | 91.5 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.933 | 0.933  | 0.933 | 91.8   | 0.6    | 1.0   | 1.1      | 58.2  | 1.2  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1055 | NW_100d       | 1.0    | 1.0   | 1.0    | 1.0   | 0.0    | 1.0   | 360    | 1.0   | 1.0      | 1.0   | 96.4 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 1.0   | 1.0    | 1.0   | 96.3   | 0.0    | 0.0   | 0.0      | 292.0 | 0.1  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1056 | NW_000d       | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 360    | 0.0   | 0.0      | 0.0   | 23.6 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.0   | 0.0    | 0.0   | 22.4   | 0.4    | 0.0   | 0.4      | 358.7 | 1.2  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1057 | NW_006d       | 0.066  | 0.066 | 0.066  | 0.066 | 0.0    | 0.066 | 360    | 0.066 | 0.066    | 0.066 | 28.4 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.066 | 0.066  | 0.066 | 25.4   | 4.9    | 1.3   | 5.1      | 15.6  | 5.9  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1058 | NW_013d       | 0.133  | 0.133 | 0.133  | 0.133 | 0.0    | 0.133 | 360    | 0.133 | 0.133    | 0.133 | 33.3 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.133 | 0.133  | 0.133 | 28.4   | 7.3    | 4.0   | 8.4      | 28.5  | 9.6  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1059 | NW_020d       | 0.2    | 0.2   | 0.2    | 0.2   | 0.0    | 0.2   | 360    | 0.2   | 0.2      | 0.2   | 38.1 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.2   | 0.2    | 0.2   | 32.4   | 8.5    | 5.9   | 10.4     | 34.6  | 11.9 | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1060 | NW_026d       | 0.266  | 0.266 | 0.266  | 0.266 | 0.0    | 0.266 | 360    | 0.266 | 0.266    | 0.266 | 42.9 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.266 | 0.266  | 0.266 | 37.4   | 8.1    | 7.9   | 11.3     | 44.1  | 12.6 | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1061 | NW_033d       | 0.333  | 0.333 | 0.333  | 0.333 | 0.0    | 0.333 | 360    | 0.333 | 0.333    | 0.333 | 47.8 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.333 | 0.333  | 0.333 | 41.7   | 10.0   | 8.4   | 13.1     | 39.9  | 14.4 | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1062 | NW_040d       | 0.4    | 0.4   | 0.4    | 0.4   | 0.0    | 0.4   | 360    | 0.4   | 0.4      | 0.4   | 52.7 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.4   | 0.4    | 0.4   | 48.0   | 8.5    | 9.4   | 12.7     | 47.8  | 13.5 | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1063 | NW_046d       | 0.466  | 0.466 | 0.466  | 0.466 | 0.0    | 0.466 | 360    | 0.466 | 0.466    | 0.466 | 57.5 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.466 | 0.466  | 0.466 | 53.0   | 8.6    | 8.8   | 12.3     | 45.4  | 13.1 | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1064 | NW_053d       | 0.533  | 0.533 | 0.533  | 0.533 | 0.0    | 0.533 | 360    | 0.533 | 0.533    | 0.533 | 62.4 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.533 | 0.533  | 0.533 | 59.6   | 8.0    | 10.5  | 49.5     | 49.5  | 11.0 | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1065 | NW_060d       | 0.6    | 0.6   | 0.6    | 0.6   | 0.0    | 0.6   | 360    | 0.6   | 0.6      | 0.6   | 67.3 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.6   | 0.6    | 0.6   | 65.4   | 5.7    | 7.8   | 9.7      | 53.8  | 9.9  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1066 | NW_066d       | 0.666  | 0.666 | 0.666  | 0.666 | 0.0    | 0.666 | 360    | 0.666 | 0.666    | 0.666 | 72.1 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.666 | 0.666  | 0.666 | 71.1   | 5.0    | 6.9   | 8.6      | 53.9  | 8.7  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1067 | NW_073d       | 0.734  | 0.734 | 0.734  | 0.734 | 0.0    | 0.734 | 360    | 0.734 | 0.734    | 0.734 | 77.0 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.734 | 0.734  | 0.734 | 76.1   | 4.9    | 5.4   | 7.3      | 48.0  | 7.4  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1068 | NW_080d       | 0.8    | 0.8   | 0.8    | 0.8   | 0.0    | 0.8   | 360    | 0.8   | 0.8      | 0.8   | 81.9 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.8   | 0.8    | 0.8   | 81.5   | 2.9    | 4.1   | 5.1      | 54.7  | 5.1  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1069 | NW_086d       | 0.866  | 0.866 | 0.866  | 0.866 | 0.0    | 0.866 | 360    | 0.866 | 0.866    | 0.866 | 86.7 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.866 | 0.866  | 0.866 | 87.0   | 1.5    | 2.7   | 3.1      | 60.3  | 3.1  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1070 | NW_093d       | 0.933  | 0.933 | 0.933  | 0.933 | 0.0    | 0.933 | 360    | 0.933 | 0.933    | 0.933 | 91.5 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.933 | 0.933  | 0.933 | 91.7   | 0.6    | 1.0   | 1.2      | 59.0  | 1.2  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1071 | NW_100d       | 1.0    | 1.0   | 1.0    | 1.0   | 0.0    | 1.0   | 360    | 1.0   | 1.0      | 1.0   | 96.4 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 1.0   | 1.0    | 1.0   | 96.3   | 0.0    | 0.0   | 0.0      | 297.4 | 0.1  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1072 | NW_000d       | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 360    | 0.0   | 0.0      | 0.0   | 23.6 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 0.0   | 0.0    | 0.0   | 23.3   | 0.5    | -0.7  | 0.9      | 305.3 | 0.9  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1073 | NW_100d       | 1.0    | 1.0   | 1.0    | 1.0   | 0.0    | 1.0   | 360    | 1.0   | 1.0      | 1.0   | 96.4 | 0.0     | 0.0   | 0.0  | 0.0       | 0.0 | 1.0   | 1.0    | 1.0   | 96.5   | 0.0    | 0.1   | 0.1      | 115.8 | 0.1  | 360 | 1.0 | 1.0 | 1.0  | 96.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1074 | R00Y_100_100d | 1.0    | 0.0   | 0.0    | 1.0   | 1.0    | 0.5   | 390    | 1.0   | 0.0      | 0.0   | 46.4 | 70.3    | 44.9  | 83.4 | 32.5      | 0.0 | 1.0   | 0.0    | 0.0   | 46.3   | 70.0   | 46.4  | 84.0     | 33.5  | 1.5  | 389 | 1.0 | 0.0 | 0.0  | 46.4  | 70.3  | 44.9  | 83.4  | 32.5  |
| 1075 | G50B_100_100d | 0.0    | 1.0   | 1.0    | 1.0   | 1.0    | 0.5   | 210    | 0.0   | 1.0      | 1.0   | 57.0 | -29.7   | -39.8 | 49.7 | 233.2     | 0.0 | 0.0   | 1.0    | 1.0   | 56.8   | -28.8  | -40.9 | 50.1     | 234.8 | 1.3  | 210 | 0.0 | 1.0 | 1.0  | 57.0  | -29.7 | -39.8 | 49.7  | 233.2 |
| 1076 | Y00G_100_100d | 1.0    | 1.0   | 0.0    | 1.0   | 1.0    | 0.5   | 90     | 1.0   | 1.0      | 0.0   | 88.0 | -6.8    | 89.7  | 90.0 | 94.3      | 1.0 | 1.0   | 0.0    | 87.8  | -6.8   | 90.1   | 90.4  | 94.3     | 0.4   | 89   | 1.0 | 1.0 | 0.0 | 88.0 | -6.8  | 89.7  | 90.0  | 94.3  |       |
| 1077 | B00R_100_100d | 0.0    | 0.0   | 1.0    | 1.0   | 1.0    | 0.5   | 270    | 0.0   | 0.0      | 1.0   | 25.8 | 26.0    | -38.7 | 46.7 | 303.9     | 0.0 | 0.0   | 1.0    | 24.3  | 28.0   | -38.0  | 47.2  | 306.4    | 2.6   | 270  | 0.0 | 0.0 | 1.0 | 25.8 | 26.0  | -38.7 | 46.7  | 303.9 |       |
| 1078 | G00B_100_100d | 0.0    | 1.0   | 0.0    | 1.0   | 1.0    | 0.5   | 150    | 0.0   | 1.0      | 0.0   | 49.6 | -65.0   | 27.6  | 70.6 | 157.0     | 0.0 | 1.0   | 0.0    | 48.8  | -66.5  | 27.6   | 72.0  | 157.3    | 1.6   | 149  | 0.0 | 1.0 | 0.0 | 49.6 | -65.0 | 27.6  | 70.6  | 157.0 |       |
| 1079 | B50R_100_100d | 1.0    | 0.0   | 1.0    | 1.0   | 1.0    | 0.5   | 330    | 1.0   | 0.0      | 1.0   | 47.2 | 78.3    | -0.6  | 78.3 | 359.5     | 1.0 | 0.0   | 1.0    | 46.3  | 78.6   | 0.0    | 78.6  | 359.9    | 1.0   | 330  | 1.0 | 0.0 | 1.0 | 47.2 | 78.3  | -0.6  | 78.3  | 359.5 |       |

Mean color difference of this page:

delta E\* = 5.3

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SE170-7N, Page 33/33-F

TUB-test chart SE17; 1080 colours, offset standard paper  
colors and differences,  $\Delta E^*$ , 3D=0, de=0, *cmY0*input: *rgb/cmyk* -> *rgb*<sub>d</sub>  
output: transfer to *cmY0*<sub>d</sub>

1-0033231-F0