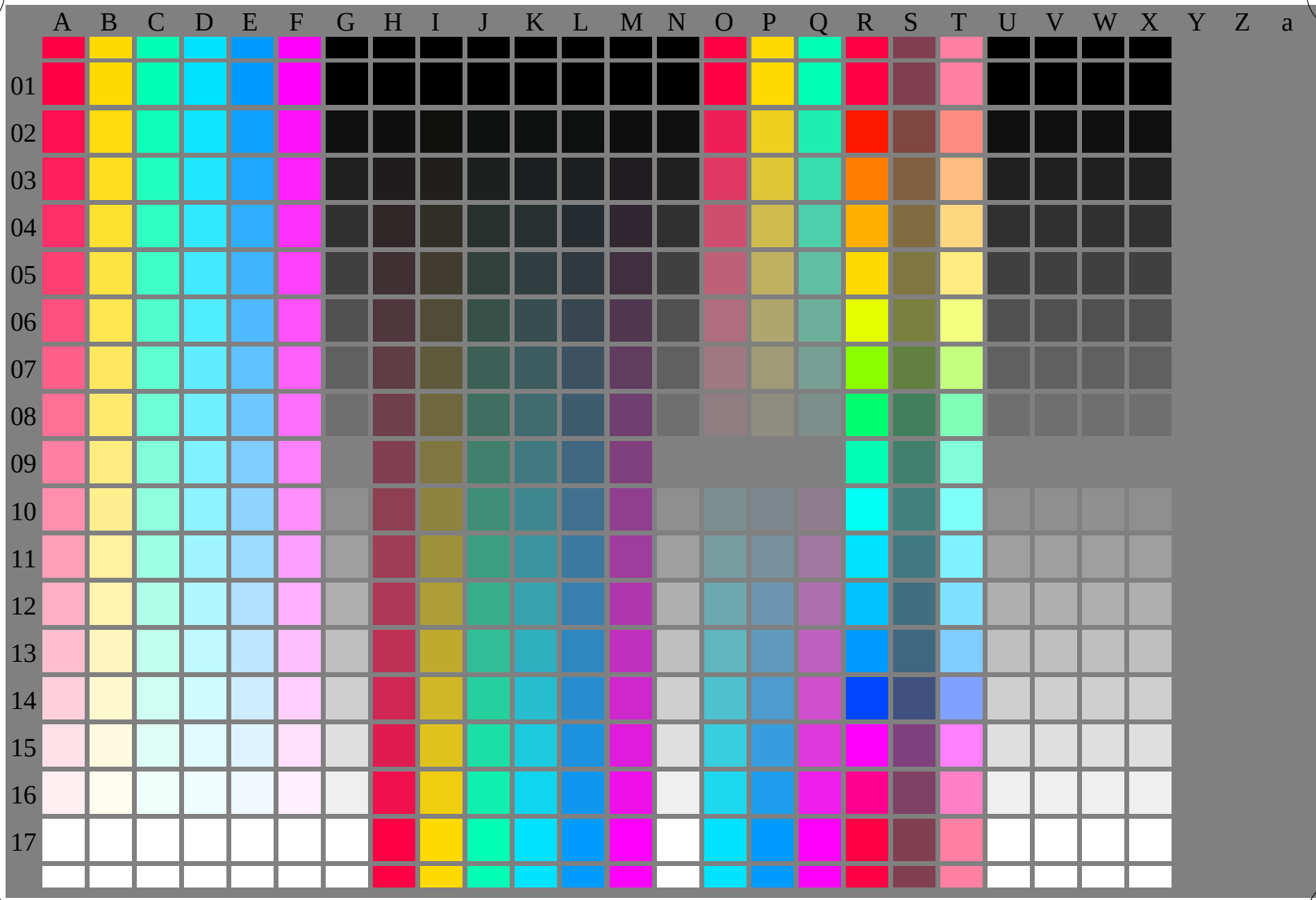



OE810−7N-130-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

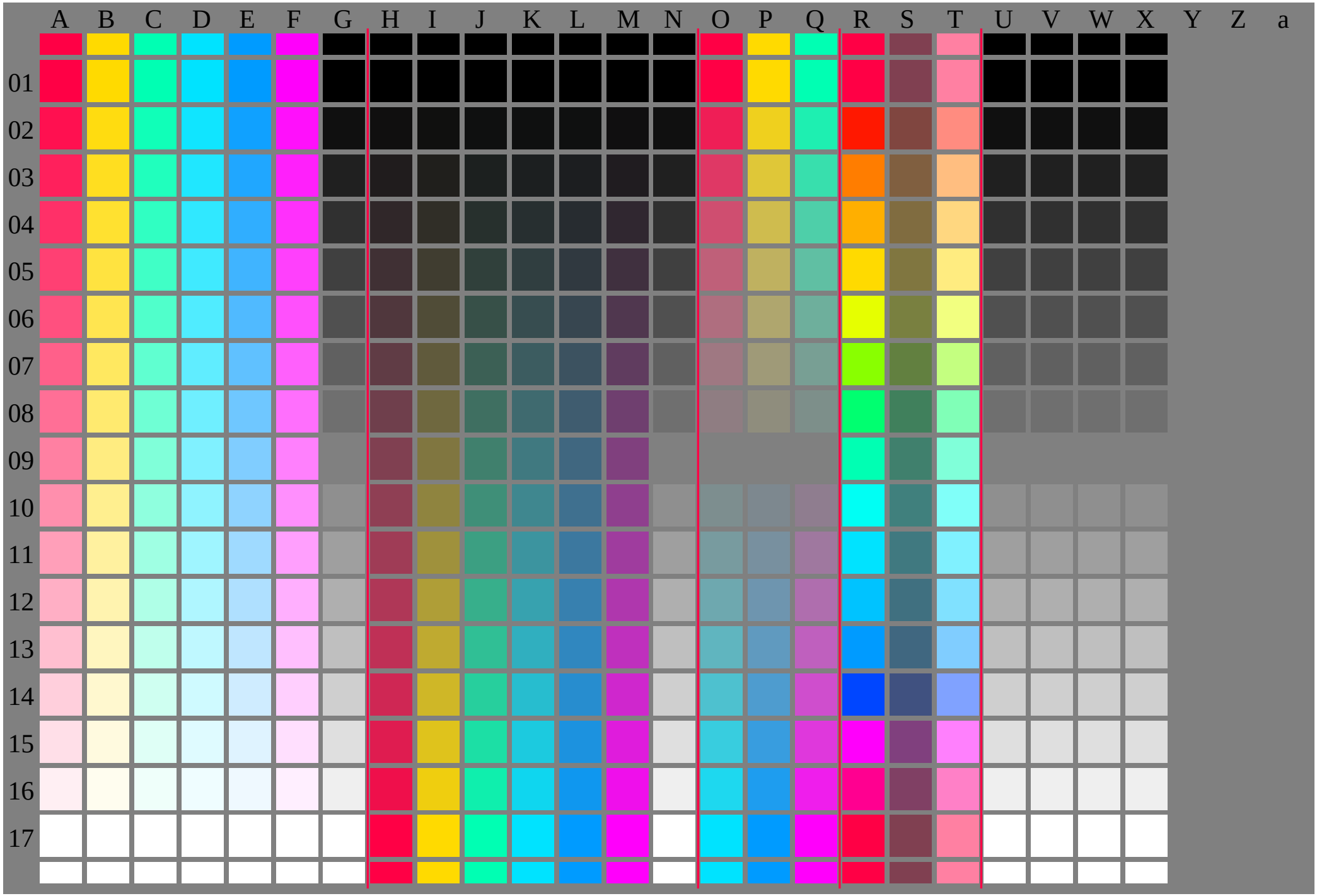
OE81: Test chart 2 according to DIN 33872-1; 1MR, DEH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 130-0: $g_P$=1.0; $g_N$=1.0

See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE81/OE81L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems

TUB material: code=rha4ta


A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a
01
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| i | LAB*ref | | | l*out | LAB*out | | | LAB*out/c−ref | | | ΔE* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 2 | 6.36 | 0.0 | 0.0 | 0.07 | 6.36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 3 | 12.72 | 0.0 | 0.0 | 0.13 | 12.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 4 | 19.08 | 0.0 | 0.0 | 0.2 | 19.08 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 5 | 25.44 | 0.0 | 0.0 | 0.27 | 25.44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 6 | 31.8 | 0.0 | 0.0 | 0.33 | 31.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 7 | 38.16 | 0.0 | 0.0 | 0.4 | 38.16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 8 | 44.52 | 0.0 | 0.0 | 0.47 | 44.52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 9 | 50.89 | 0.0 | 0.0 | 0.53 | 50.89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 10 | 57.25 | 0.0 | 0.0 | 0.6 | 57.25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 11 | 63.61 | 0.0 | 0.0 | 0.67 | 63.61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 12 | 69.97 | 0.0 | 0.0 | 0.73 | 69.97 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 13 | 76.33 | 0.0 | 0.0 | 0.8 | 76.33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 14 | 82.69 | 0.0 | 0.0 | 0.87 | 82.69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 15 | 89.05 | 0.0 | 0.0 | 0.93 | 89.05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 16 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 18 | 23.85 | 0.0 | 0.0 | 0.25 | 23.85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 19 | 47.71 | 0.0 | 0.0 | 0.5 | 47.71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 20 | 71.56 | 0.0 | 0.0 | 0.75 | 71.56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 21 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |

**Start output S1**
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

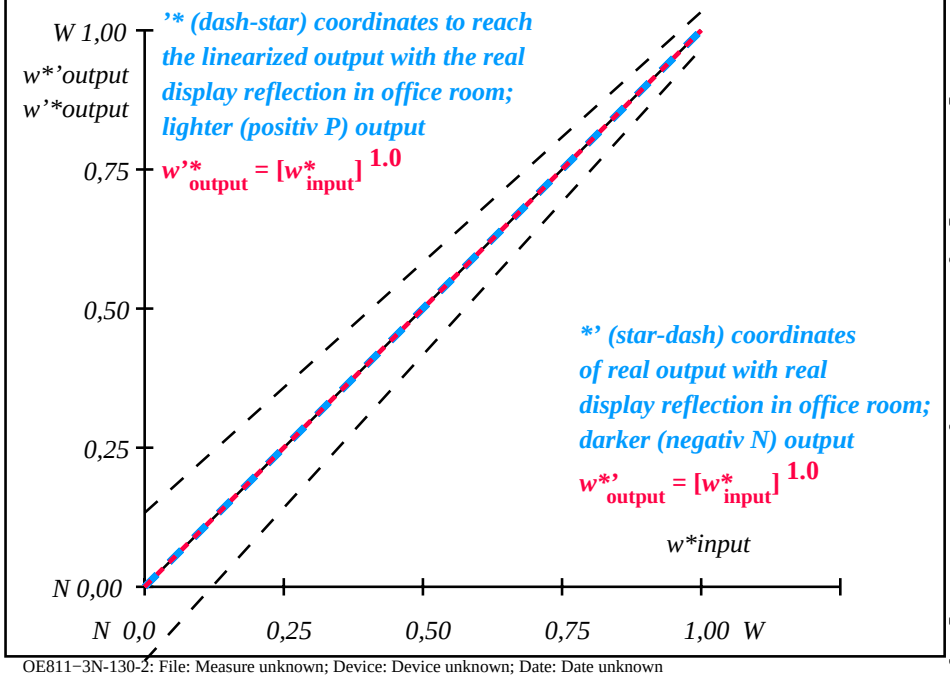
**Mean lightness difference (16 steps)**
**$\Delta E^*_{CIELAB}$ = 0.0**

**Mean lightness difference (5 steps)**
**$\Delta L^*_{CIELAB}$ = 0.0**

**Mean colour reproduction index: $R^*_{ab,m}$ = 100**

OE810−3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

For linearized output of the 16 grey steps of Picture A7-130-2



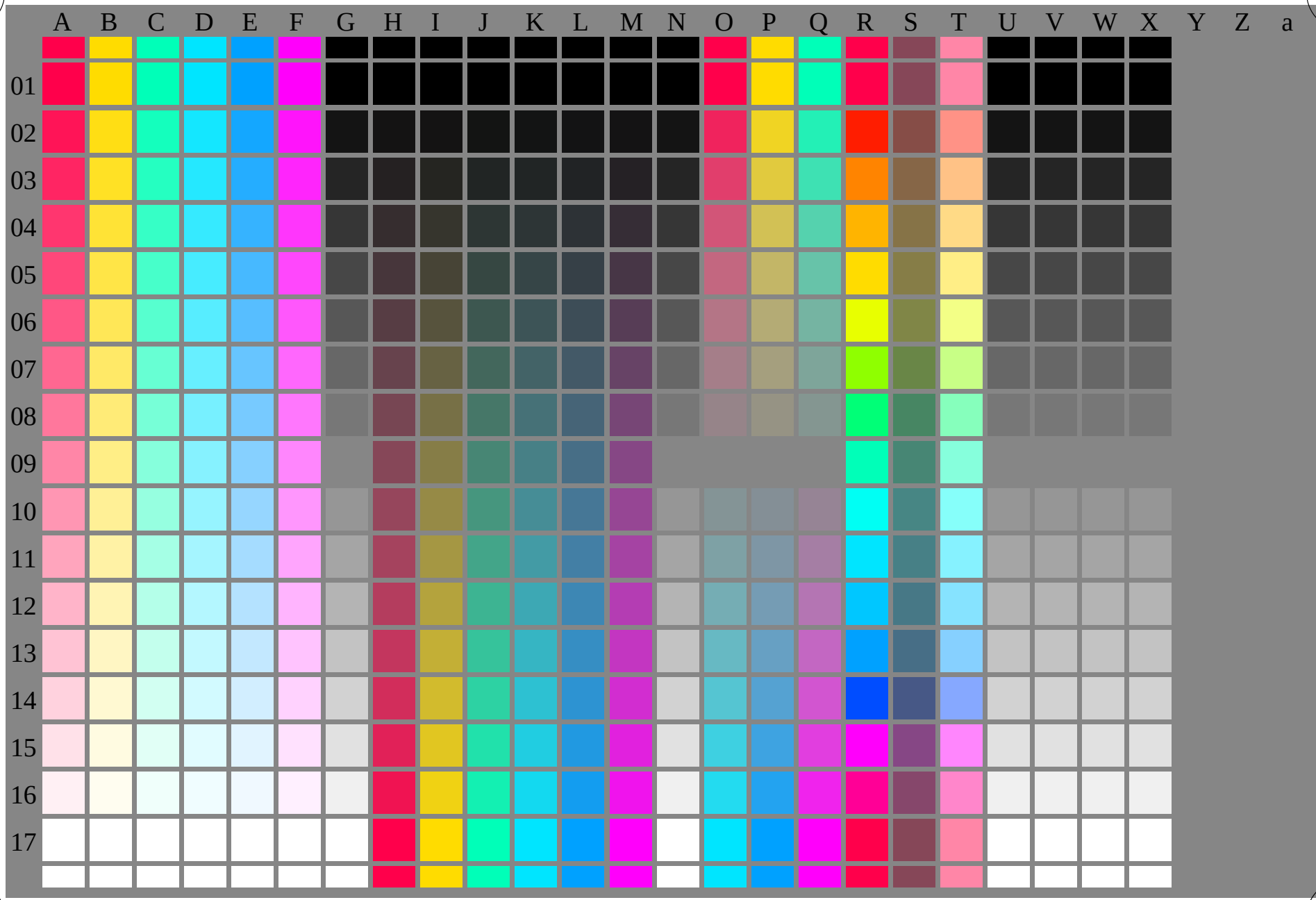

OE811−3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

| $L^*/Y_{intended}$ (absolute) | 0.0/0.0 | 6.4/0.7 | 12.7/1.5 | 19.1/2.8 | 25.4/4.6 | 31.8/7.0 | 38.2/10.2 | 44.5/14.2 | 50.9/19.2 | 57.2/25.2 | 63.6/32.3 | 70.0/40.7 | 76.3/50.4 | 82.7/61.6 | 89.0/74.3 | 95.4/88.6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| w* w* w* setrgb $g_P$=1.0 | | | | | | | | | | | | | | | | |
| No. and Hex code | 00;F | 01;E | 02;D | 03;C | 04;B | 05;A | 06;9 | 07;8 | 08;7 | 09;6 | 10;5 | 11;4 | 12;3 | 13;2 | 14;1 | 15;0 |
| $w^*=l^*_{CIELAB, r}$ (relative) | | | | | | | | | | | | | | | | |
| $w^*_{intended}$ | 0,000 | 0,067 | 0,133 | 0,200 | 0,267 | 0,333 | 0,400 | 0,467 | 0,533 | 0,600 | 0,667 | 0,733 | 0,800 | 0,867 | 0,933 | 1,000 |
| $w^*_{out}$ | 0.0 | 0.067 | 0.133 | 0.2 | 0.267 | 0.333 | 0.4 | 0.467 | 0.533 | 0.6 | 0.667 | 0.733 | 0.8 | 0.867 | 0.933 | 1.0 |

OE810−7N, Picture A7-130-2: 16 visual equidistant $L^*$-grey steps; PS operator: *w* w* w* setrgbcolor*

OE81: In-output relation according to ISO 9241-306; 1MR, DEH
Viewing $Y$ contrast $Y_W$:$Y_N$=88,9:0,31; $Y_N$ range 0,0 to <0,46

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 130-2: $g_P$=1.0; $g_N$=1.0



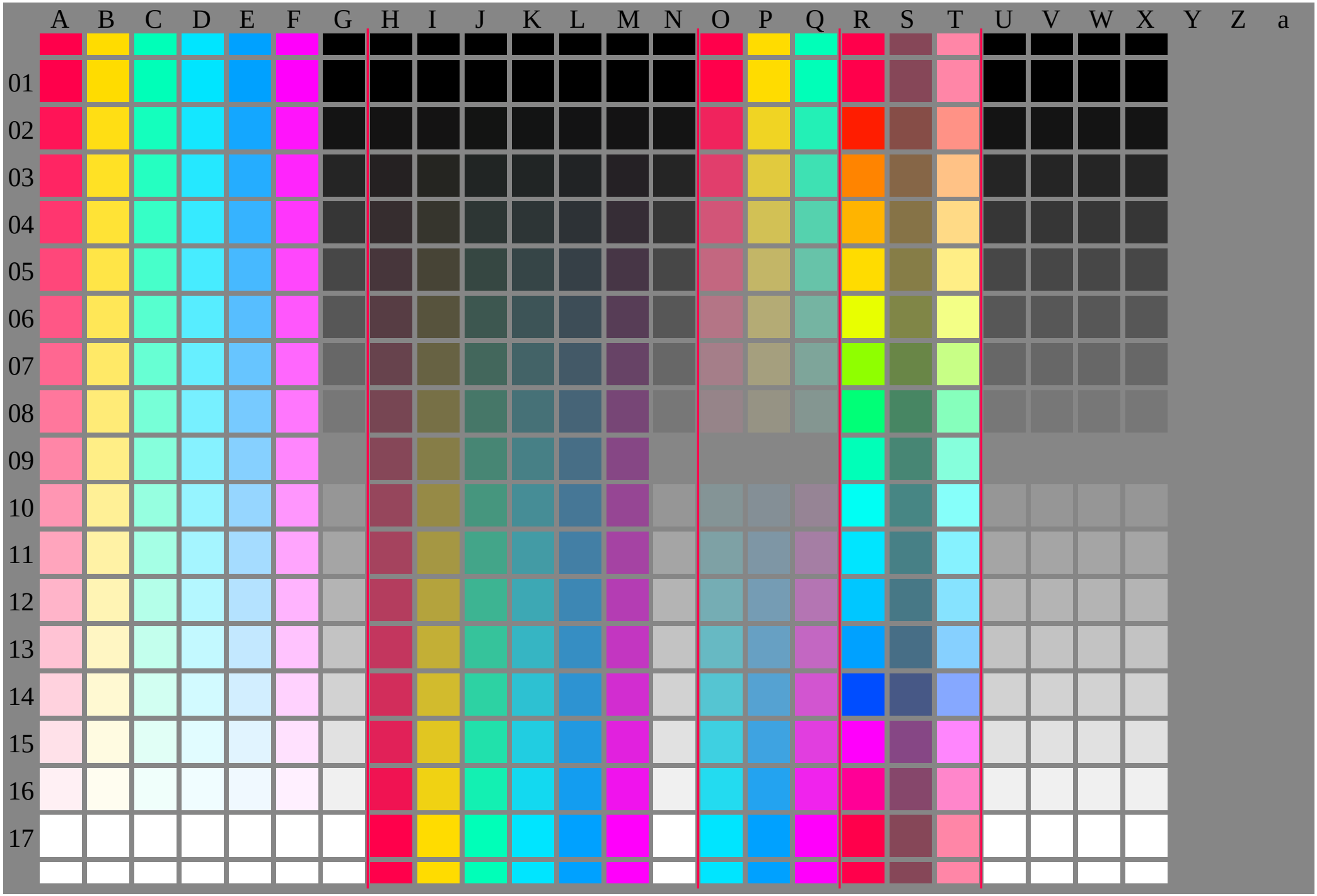

See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE81/OE81L0NA.TXT /.PS TUB material: code=rha4ta
application for output of displays: monitor systems or data projector systems

OE810−7N-131-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

OE81: Test chart 2 according to DIN 33872-1; 1MR, DEH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 131-0: $g_P$=0.92; $g_N$=1.0


A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a
01
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| i | LAB*ref | | | l*out | LAB*out | | | LAB*out/c−ref | | | ΔE* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.69 | 0.0 | 0.0 | 0.0 | 5.69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 2 | 11.67 | 0.0 | 0.0 | 0.1 | 14.73 | 0.0 | 0.0 | 3.06 | 0.0 | 0.0 | 3.06 |
| 3 | 17.65 | 0.0 | 0.0 | 0.18 | 21.96 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | 4.3 |
| 4 | 23.63 | 0.0 | 0.0 | 0.26 | 28.63 | 0.0 | 0.0 | 4.99 | 0.0 | 0.0 | 4.99 |
| 5 | 29.62 | 0.0 | 0.0 | 0.33 | 34.96 | 0.0 | 0.0 | 5.34 | 0.0 | 0.0 | 5.34 |
| 6 | 35.6 | 0.0 | 0.0 | 0.39 | 41.05 | 0.0 | 0.0 | 5.46 | 0.0 | 0.0 | 5.46 |
| 7 | 41.58 | 0.0 | 0.0 | 0.46 | 46.96 | 0.0 | 0.0 | 5.38 | 0.0 | 0.0 | 5.38 |
| 8 | 47.56 | 0.0 | 0.0 | 0.52 | 52.72 | 0.0 | 0.0 | 5.16 | 0.0 | 0.0 | 5.16 |
| 9 | 53.54 | 0.0 | 0.0 | 0.59 | 58.36 | 0.0 | 0.0 | 4.82 | 0.0 | 0.0 | 4.82 |
| 10 | 59.52 | 0.0 | 0.0 | 0.65 | 63.88 | 0.0 | 0.0 | 4.36 | 0.0 | 0.0 | 4.36 |
| 11 | 65.5 | 0.0 | 0.0 | 0.71 | 69.32 | 0.0 | 0.0 | 3.82 | 0.0 | 0.0 | 3.82 |
| 12 | 71.48 | 0.0 | 0.0 | 0.77 | 74.67 | 0.0 | 0.0 | 3.19 | 0.0 | 0.0 | 3.19 |
| 13 | 77.47 | 0.0 | 0.0 | 0.83 | 79.95 | 0.0 | 0.0 | 2.49 | 0.0 | 0.0 | 2.49 |
| 14 | 83.45 | 0.0 | 0.0 | 0.89 | 85.16 | 0.0 | 0.0 | 1.72 | 0.0 | 0.0 | 1.72 |
| 15 | 89.43 | 0.0 | 0.0 | 0.94 | 90.31 | 0.0 | 0.0 | 0.89 | 0.0 | 0.0 | 0.89 |
| 16 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 17 | 5.69 | 0.0 | 0.0 | 0.0 | 5.69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 18 | 28.12 | 0.0 | 0.0 | 0.31 | 33.4 | 0.0 | 0.0 | 5.28 | 0.0 | 0.0 | 5.28 |
| 19 | 50.55 | 0.0 | 0.0 | 0.56 | 55.55 | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 | 5.0 |
| 20 | 72.98 | 0.0 | 0.0 | 0.78 | 76.0 | 0.0 | 0.0 | 3.02 | 0.0 | 0.0 | 3.02 |
| 21 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |

**Start output S1**
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

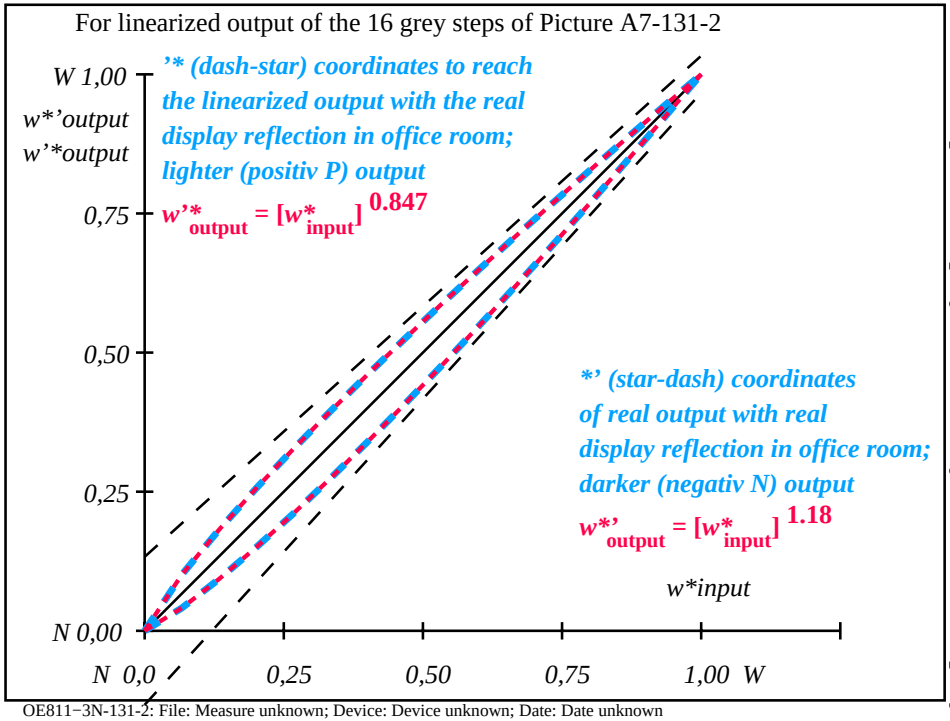
**Mean lightness difference (16 steps)**
$\Delta E^*_{CIELAB}$ = **3.4**

**Mean lightness difference (5 steps)**
$\Delta L^*_{CIELAB}$ = **2.7**

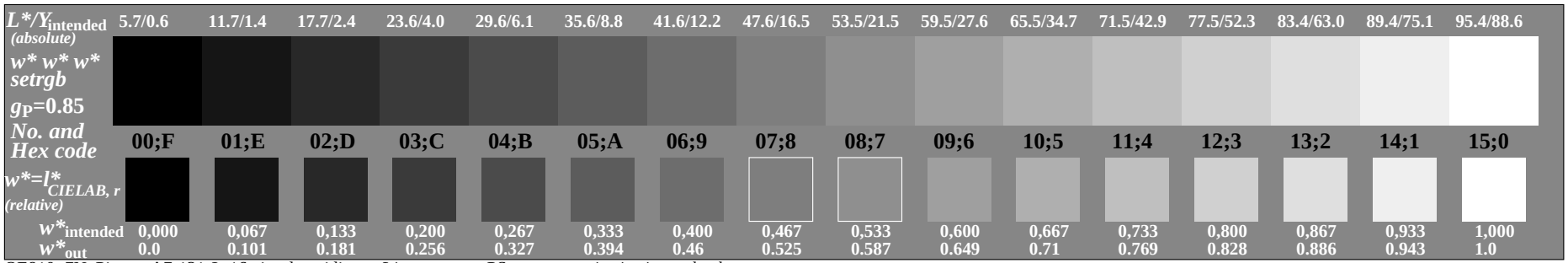
**Mean colour reproduction index:** $R^*_{ab,m}$ = **85**

OE810−3N-131-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

For linearized output of the 16 grey steps of Picture A7-131-2



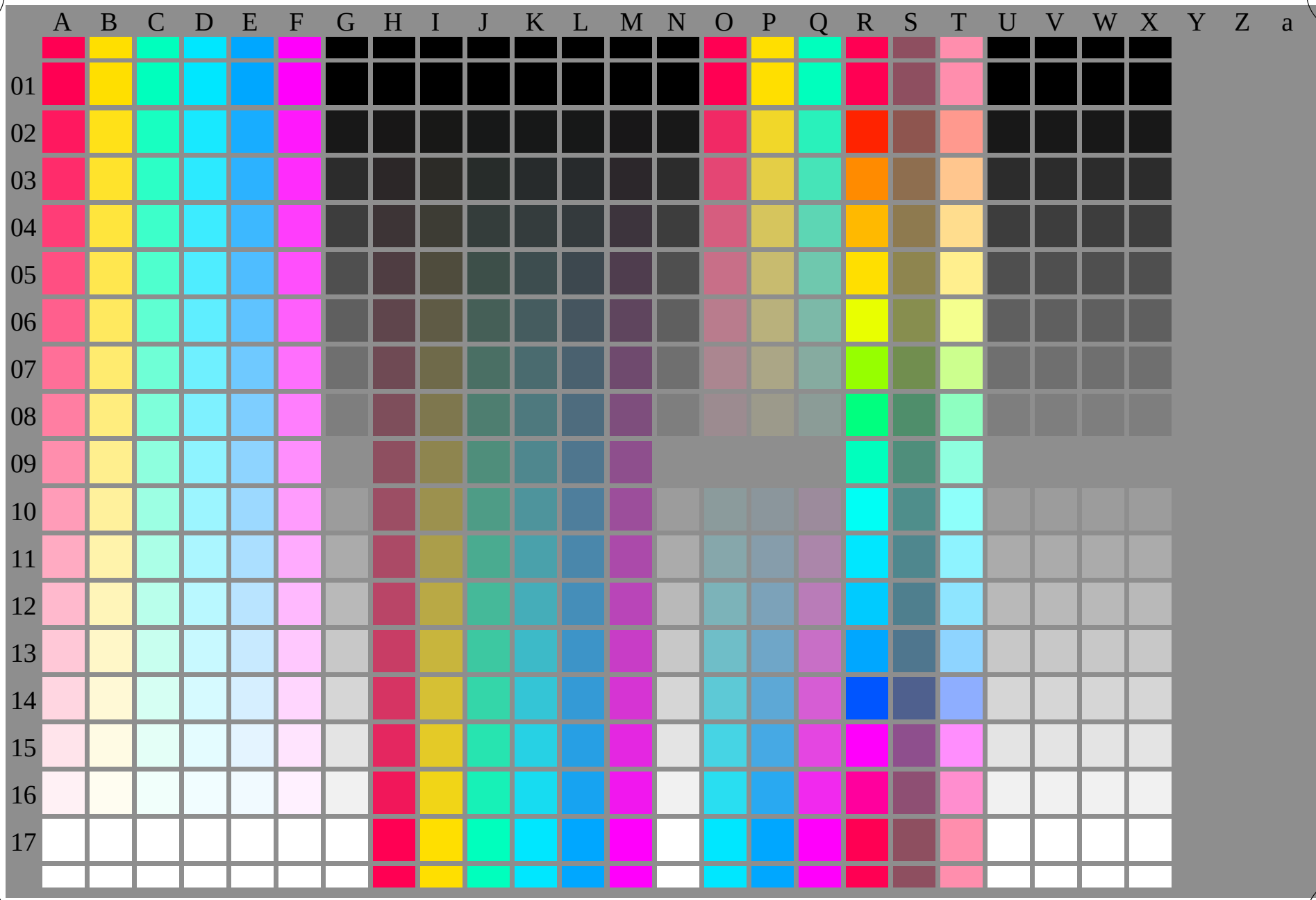

OE811−3N-131-2: File: Measure unknown; Device: Device unknown; Date: Date unknown




OE810−7N, Picture A7-131-2: 16 visual equidistant *L**-grey steps; PS operator: *w* w* w* setrgbcolor*

OE81: In-output relation according to ISO 9241-306; 1MR, DEH
Viewing *Y* contrast $Y_W$:$Y_N$=88,9:0,62; $Y_N$ range 0,46 to <0,93

input: *cmy0 (−>cmy0*de) setcmyk*
output 131-2: $g_P$=0.92; $g_N$=1.0



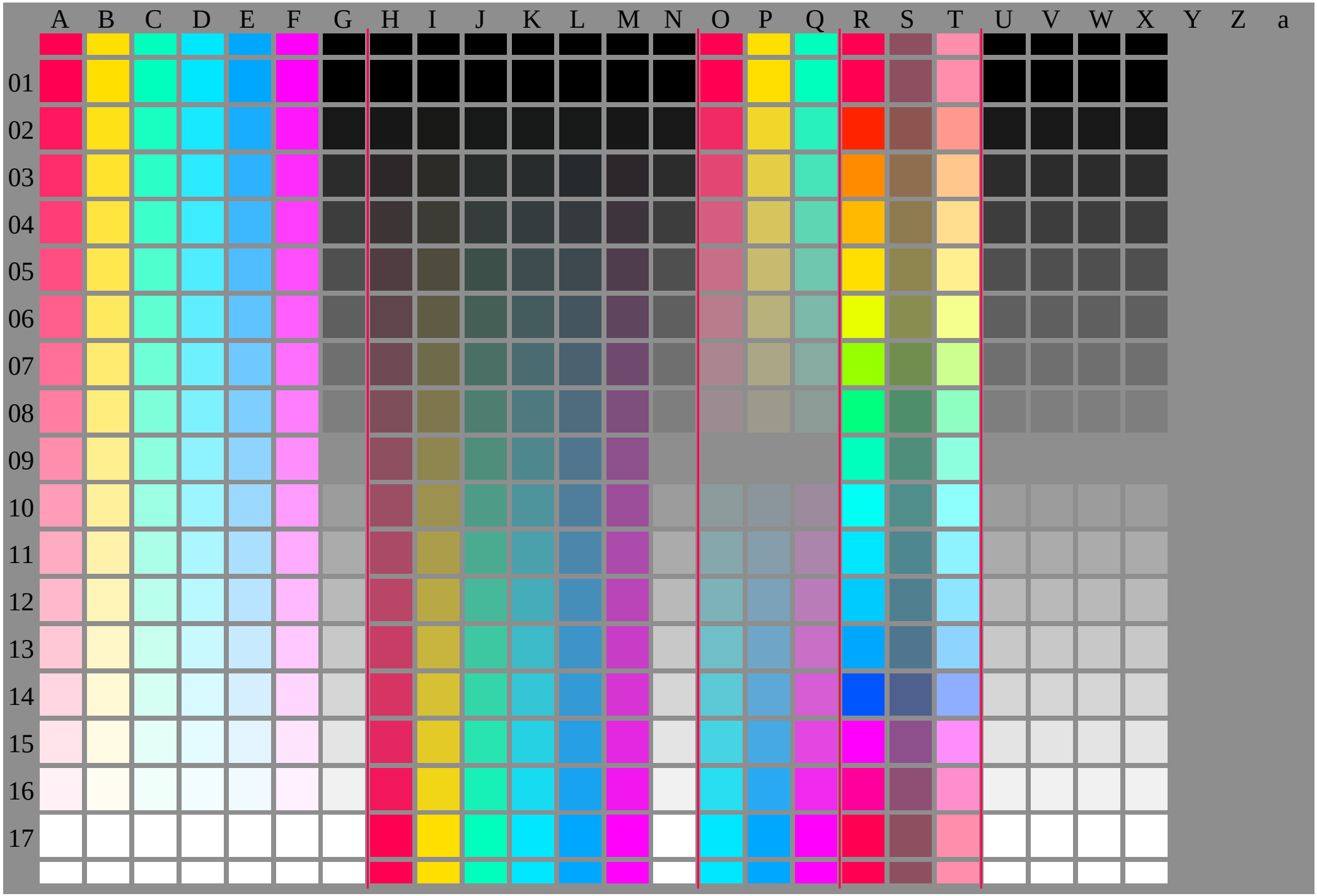

See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE81/OE81L0NA.TXT /.PS TUB material: code=rha4ta
application for output of displays: monitor systems or data projector systems

OE810−7N-132-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

OE81: Test chart 2 according to DIN 33872-1; 1MR, DEH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 132-0: $g_P$=0.85; $g_N$=1.0


A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a
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| i | LAB*ref | | | l*out | LAB*out | | | LAB*out/c−ref | | | ΔE* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.99 | 0.0 | 0.0 | 0.0 | 10.99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 2 | 16.62 | 0.0 | 0.0 | 0.14 | 22.52 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 5.9 |
| 3 | 22.25 | 0.0 | 0.0 | 0.23 | 30.18 | 0.0 | 0.0 | 7.93 | 0.0 | 0.0 | 7.93 |
| 4 | 27.88 | 0.0 | 0.0 | 0.31 | 36.84 | 0.0 | 0.0 | 8.97 | 0.0 | 0.0 | 8.97 |
| 5 | 33.5 | 0.0 | 0.0 | 0.38 | 42.93 | 0.0 | 0.0 | 9.43 | 0.0 | 0.0 | 9.43 |
| 6 | 39.13 | 0.0 | 0.0 | 0.45 | 48.63 | 0.0 | 0.0 | 9.5 | 0.0 | 0.0 | 9.5 |
| 7 | 44.76 | 0.0 | 0.0 | 0.51 | 54.03 | 0.0 | 0.0 | 9.27 | 0.0 | 0.0 | 9.27 |
| 8 | 50.39 | 0.0 | 0.0 | 0.57 | 59.19 | 0.0 | 0.0 | 8.81 | 0.0 | 0.0 | 8.81 |
| 9 | 56.02 | 0.0 | 0.0 | 0.63 | 64.17 | 0.0 | 0.0 | 8.15 | 0.0 | 0.0 | 8.15 |
| 10 | 61.64 | 0.0 | 0.0 | 0.69 | 68.98 | 0.0 | 0.0 | 7.33 | 0.0 | 0.0 | 7.33 |
| 11 | 67.27 | 0.0 | 0.0 | 0.74 | 73.65 | 0.0 | 0.0 | 6.38 | 0.0 | 0.0 | 6.38 |
| 12 | 72.9 | 0.0 | 0.0 | 0.8 | 78.2 | 0.0 | 0.0 | 5.3 | 0.0 | 0.0 | 5.3 |
| 13 | 78.53 | 0.0 | 0.0 | 0.85 | 82.64 | 0.0 | 0.0 | 4.11 | 0.0 | 0.0 | 4.11 |
| 14 | 84.15 | 0.0 | 0.0 | 0.9 | 86.98 | 0.0 | 0.0 | 2.82 | 0.0 | 0.0 | 2.82 |
| 15 | 89.78 | 0.0 | 0.0 | 0.95 | 91.23 | 0.0 | 0.0 | 1.45 | 0.0 | 0.0 | 1.45 |
| 16 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 17 | 10.99 | 0.0 | 0.0 | 0.0 | 10.99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 18 | 32.1 | 0.0 | 0.0 | 0.36 | 41.45 | 0.0 | 0.0 | 9.36 | 0.0 | 0.0 | 9.36 |
| 19 | 53.2 | 0.0 | 0.0 | 0.6 | 61.7 | 0.0 | 0.0 | 8.5 | 0.0 | 0.0 | 8.5 |
| 20 | 74.31 | 0.0 | 0.0 | 0.81 | 79.32 | 0.0 | 0.0 | 5.01 | 0.0 | 0.0 | 5.01 |
| 21 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |

**Start output S1**
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

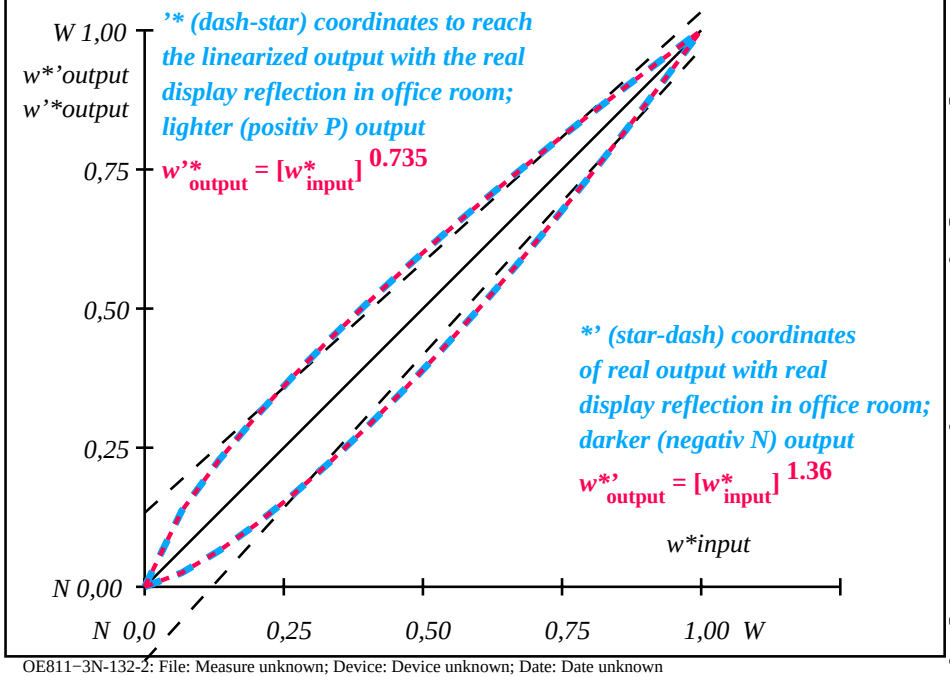
**Mean lightness difference (16 steps)**
**$\Delta E^*_{CIELAB}$ = 6.0**

**Mean lightness difference (5 steps)**
**$\Delta L^*_{CIELAB}$ = 4.6**

**Mean colour reproduction index: $R^*_{ab,m}$ = 74**

OE810−3N-132-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

For linearized output of the 16 grey steps of Picture A7-132-2



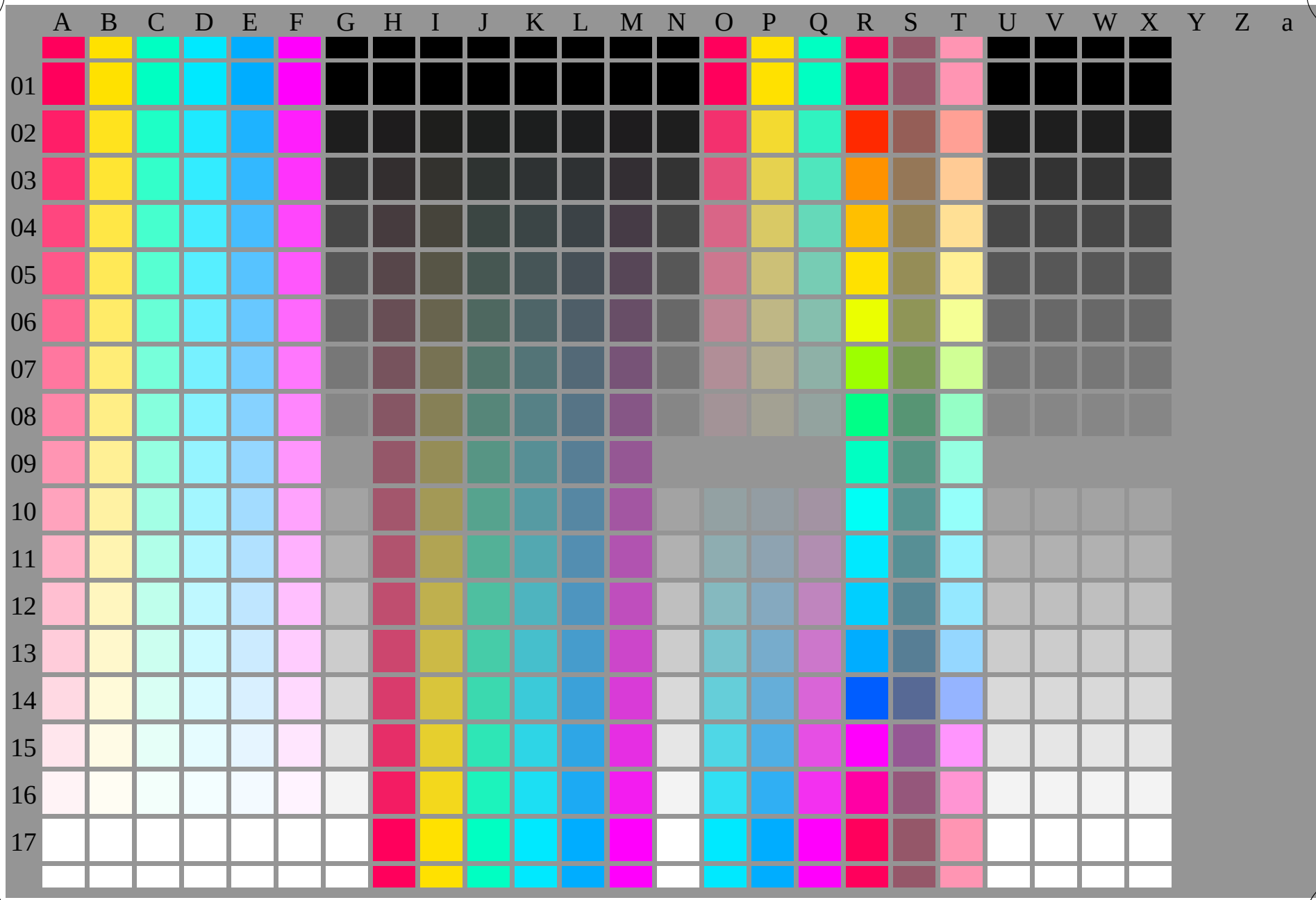

OE811−3N-132-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

| $L^*/Y_{intended}$ (absolute) | 11.0/1.3 | 16.6/2.2 | 22.2/3.6 | 27.9/5.4 | 33.5/7.8 | 39.1/10.7 | 44.8/14.4 | 50.4/18.7 | 56.0/23.9 | 61.6/30.0 | 67.3/37.0 | 72.9/45.0 | 78.5/54.1 | 84.2/64.4 | 89.8/75.8 | 95.4/88.6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| w* w* w* setrgb | | | | | | | | | | | | | | | | |
| $g_P$=0.74 | | | | | | | | | | | | | | | | |
| No. and Hex code | 00;F | 01;E | 02;D | 03;C | 04;B | 05;A | 06;9 | 07;8 | 08;7 | 09;6 | 10;5 | 11;4 | 12;3 | 13;2 | 14;1 | 15;0 |
| $w^*=l^*_{CIELAB, r}$ (relative) | | | | | | | | | | | | | | | | |
| $w^*_{intended}$ | 0,000 | 0,067 | 0,133 | 0,200 | 0,267 | 0,333 | 0,400 | 0,467 | 0,533 | 0,600 | 0,667 | 0,733 | 0,800 | 0,867 | 0,933 | 1,000 |
| $w^*_{out}$ | 0.0 | 0.137 | 0.227 | 0.306 | 0.379 | 0.446 | 0.51 | 0.571 | 0.63 | 0.687 | 0.742 | 0.796 | 0.849 | 0.9 | 0.95 | 1.0 |

OE810−7N, Picture A7-132-2: 16 visual equidistant $L^*$-grey steps; PS operator: *w* w* w* setrgbcolor*

OE81: In-output relation according to ISO 9241-306; 1MR, DEH
Viewing *Y* contrast $Y_W$:$Y_N$=88,9:1,25; $Y_N$ range 0,93 to <1,87

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 132-2: $g_P$=0.85; $g_N$=1.0




OE810−7N-133-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

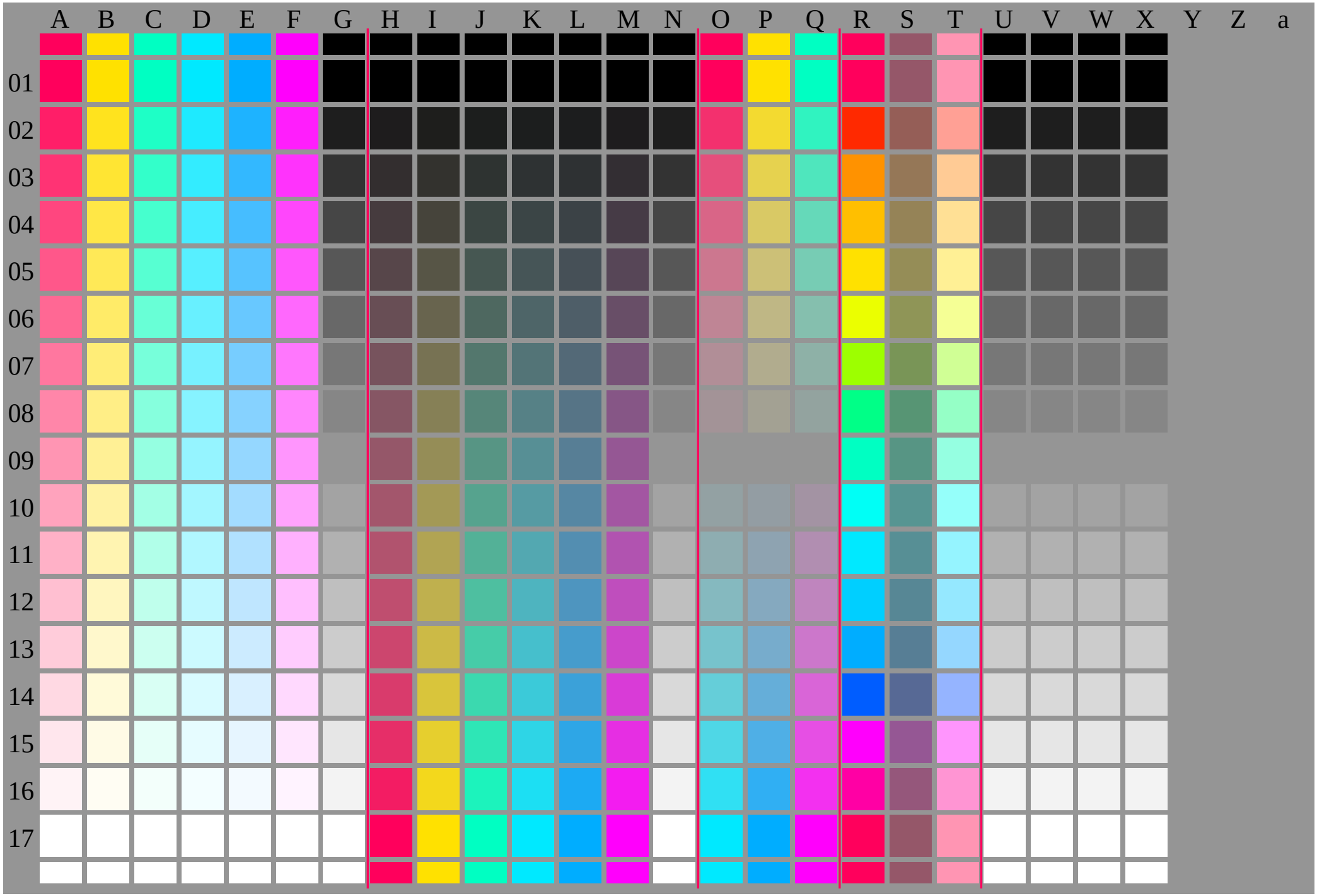
OE81: Test chart 2 according to DIN 33872-1; 1MR, DEH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 133-0: $g_P$=0.77; $g_N$=1.0

See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE81/OE81L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems

TUB material: code=rha4ta


A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a
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17

| i | LAB*ref | | | l*out | LAB*out | | | LAB*out/c−ref | | | ΔE* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18.01 | 0.0 | 0.0 | 0.0 | 18.01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 2 | 23.17 | 0.0 | 0.0 | 0.17 | 31.35 | 0.0 | 0.0 | 8.18 | 0.0 | 0.0 | 8.18 |
| 3 | 28.33 | 0.0 | 0.0 | 0.27 | 38.93 | 0.0 | 0.0 | 10.6 | 0.0 | 0.0 | 10.6 |
| 4 | 33.49 | 0.0 | 0.0 | 0.35 | 45.23 | 0.0 | 0.0 | 11.74 | 0.0 | 0.0 | 11.74 |
| 5 | 38.65 | 0.0 | 0.0 | 0.42 | 50.82 | 0.0 | 0.0 | 12.17 | 0.0 | 0.0 | 12.17 |
| 6 | 43.81 | 0.0 | 0.0 | 0.49 | 55.93 | 0.0 | 0.0 | 12.12 | 0.0 | 0.0 | 12.12 |
| 7 | 48.97 | 0.0 | 0.0 | 0.55 | 60.7 | 0.0 | 0.0 | 11.73 | 0.0 | 0.0 | 11.73 |
| 8 | 54.13 | 0.0 | 0.0 | 0.61 | 65.2 | 0.0 | 0.0 | 11.07 | 0.0 | 0.0 | 11.07 |
| 9 | 59.29 | 0.0 | 0.0 | 0.66 | 69.47 | 0.0 | 0.0 | 10.18 | 0.0 | 0.0 | 10.18 |
| 10 | 64.45 | 0.0 | 0.0 | 0.72 | 73.56 | 0.0 | 0.0 | 9.11 | 0.0 | 0.0 | 9.11 |
| 11 | 69.61 | 0.0 | 0.0 | 0.77 | 77.49 | 0.0 | 0.0 | 7.88 | 0.0 | 0.0 | 7.88 |
| 12 | 74.77 | 0.0 | 0.0 | 0.82 | 81.29 | 0.0 | 0.0 | 6.52 | 0.0 | 0.0 | 6.52 |
| 13 | 79.93 | 0.0 | 0.0 | 0.87 | 84.97 | 0.0 | 0.0 | 5.04 | 0.0 | 0.0 | 5.04 |
| 14 | 85.09 | 0.0 | 0.0 | 0.91 | 88.54 | 0.0 | 0.0 | 3.45 | 0.0 | 0.0 | 3.45 |
| 15 | 90.25 | 0.0 | 0.0 | 0.96 | 92.02 | 0.0 | 0.0 | 1.77 | 0.0 | 0.0 | 1.77 |
| 16 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 17 | 18.01 | 0.0 | 0.0 | 0.0 | 18.01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 18 | 37.36 | 0.0 | 0.0 | 0.41 | 49.47 | 0.0 | 0.0 | 12.11 | 0.0 | 0.0 | 12.11 |
| 19 | 56.71 | 0.0 | 0.0 | 0.64 | 67.36 | 0.0 | 0.0 | 10.65 | 0.0 | 0.0 | 10.65 |
| 20 | 76.06 | 0.0 | 0.0 | 0.83 | 82.22 | 0.0 | 0.0 | 6.16 | 0.0 | 0.0 | 6.16 |
| 21 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |

**Start output S1**
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

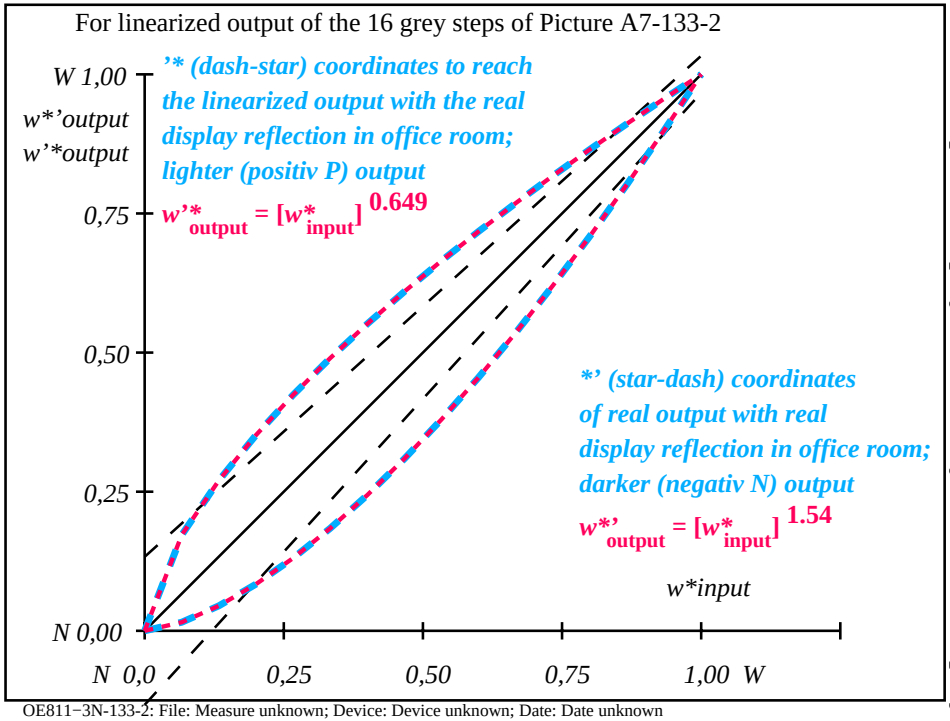
**Mean lightness difference (16 steps)**
$\Delta E^*_{CIELAB}$ = **7.6**

**Mean lightness difference (5 steps)**
$\Delta L^*_{CIELAB}$ = **5.8**

**Mean colour reproduction index:** $R^*_{ab,m}$ = **67**

OE810−3N-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

For linearized output of the 16 grey steps of Picture A7-133-2



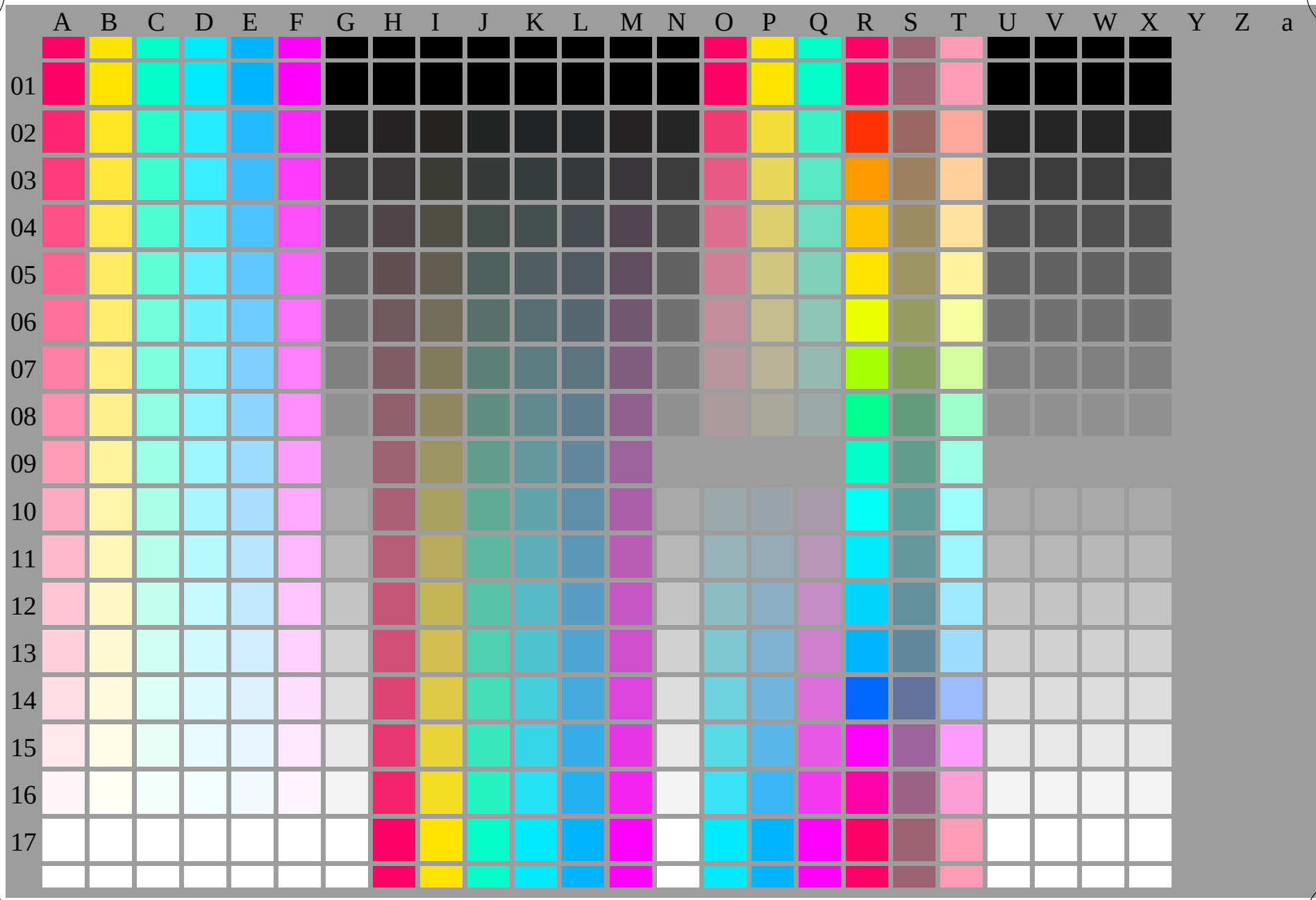

OE811−3N-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

| $L^*/Y_{intended}$ (absolute) | 18.0/2.5 | 23.2/3.8 | 28.3/5.6 | 33.5/7.8 | 38.6/10.5 | 43.8/13.7 | 49.0/17.6 | 54.1/22.1 | 59.3/27.3 | 64.4/33.4 | 69.6/40.2 | 74.8/47.9 | 79.9/56.6 | 85.1/66.2 | 90.2/76.8 | 95.4/88.6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| w* w* w* setrgb | | | | | | | | | | | | | | | | |
| $g_P$=0.65 | | | | | | | | | | | | | | | | |
| No. and Hex code | 00;F | 01;E | 02;D | 03;C | 04;B | 05;A | 06;9 | 07;8 | 08;7 | 09;6 | 10;5 | 11;4 | 12;3 | 13;2 | 14;1 | 15;0 |
| $w^*=l^*_{CIELAB, r}$ (relative) | | | | | | | | | | | | | | | | |
| $w^*_{intended}$ | 0,000 | 0,067 | 0,133 | 0,200 | 0,267 | 0,333 | 0,400 | 0,467 | 0,533 | 0,600 | 0,667 | 0,733 | 0,800 | 0,867 | 0,933 | 1,000 |
| $w^*_{out}$ | 0.0 | 0.173 | 0.27 | 0.352 | 0.424 | 0.49 | 0.552 | 0.61 | 0.665 | 0.718 | 0.769 | 0.817 | 0.865 | 0.911 | 0.956 | 1.0 |

OE810−7N, Picture A7-133-2: 16 visual equidistant $L^*$-grey steps; PS operator: *w* w* w* setrgbcolor*

OE81: In-output relation according to ISO 9241-306; 1MR, DEH
Viewing $Y$ contrast $Y_W$:$Y_N$=88,9:2,5; $Y_N$ range 1,87 to <3,75

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 133-2: $g_P$=0.77; $g_N$=1.0



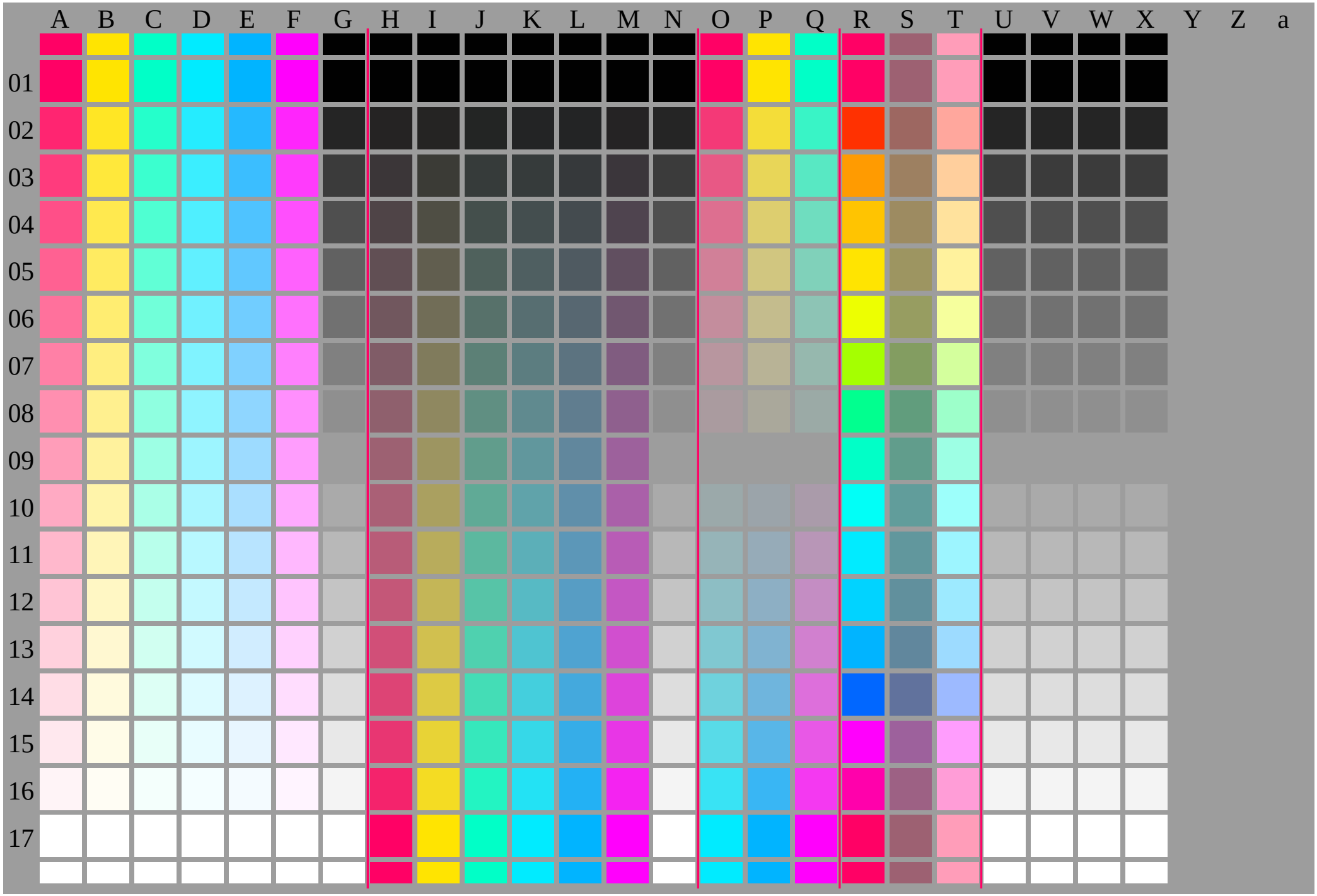

See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE81/OE81L0NA.TXT /.PS TUB material: code=rha4ta
application for output of displays: monitor systems or data projector systems

OE810−7N-134-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

OE81: Test chart 2 according to DIN 33872-1; 1MR, DEH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 134-0: $g_P$=0.7; $g_N$=1.0


A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a
01
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17

| i | LAB*ref | | | l*out | LAB*out | | | LAB*out/c−ref | | | ΔE* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 26.85 | 0.0 | 0.0 | 0.0 | 26.85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 2 | 31.42 | 0.0 | 0.0 | 0.21 | 41.05 | 0.0 | 0.0 | 9.63 | 0.0 | 0.0 | 9.63 |
| 3 | 35.99 | 0.0 | 0.0 | 0.31 | 48.1 | 0.0 | 0.0 | 12.11 | 0.0 | 0.0 | 12.11 |
| 4 | 40.56 | 0.0 | 0.0 | 0.39 | 53.75 | 0.0 | 0.0 | 13.18 | 0.0 | 0.0 | 13.18 |
| 5 | 45.13 | 0.0 | 0.0 | 0.46 | 58.64 | 0.0 | 0.0 | 13.51 | 0.0 | 0.0 | 13.51 |
| 6 | 49.7 | 0.0 | 0.0 | 0.53 | 63.05 | 0.0 | 0.0 | 13.34 | 0.0 | 0.0 | 13.34 |
| 7 | 54.27 | 0.0 | 0.0 | 0.59 | 67.09 | 0.0 | 0.0 | 12.82 | 0.0 | 0.0 | 12.82 |
| 8 | 58.84 | 0.0 | 0.0 | 0.64 | 70.87 | 0.0 | 0.0 | 12.02 | 0.0 | 0.0 | 12.02 |
| 9 | 63.41 | 0.0 | 0.0 | 0.69 | 74.42 | 0.0 | 0.0 | 11.01 | 0.0 | 0.0 | 11.01 |
| 10 | 67.99 | 0.0 | 0.0 | 0.74 | 77.79 | 0.0 | 0.0 | 9.81 | 0.0 | 0.0 | 9.81 |
| 11 | 72.56 | 0.0 | 0.0 | 0.79 | 81.01 | 0.0 | 0.0 | 8.46 | 0.0 | 0.0 | 8.46 |
| 12 | 77.13 | 0.0 | 0.0 | 0.84 | 84.1 | 0.0 | 0.0 | 6.97 | 0.0 | 0.0 | 6.97 |
| 13 | 81.7 | 0.0 | 0.0 | 0.88 | 87.07 | 0.0 | 0.0 | 5.37 | 0.0 | 0.0 | 5.37 |
| 14 | 86.27 | 0.0 | 0.0 | 0.92 | 89.94 | 0.0 | 0.0 | 3.67 | 0.0 | 0.0 | 3.67 |
| 15 | 90.84 | 0.0 | 0.0 | 0.96 | 92.71 | 0.0 | 0.0 | 1.88 | 0.0 | 0.0 | 1.88 |
| 16 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 17 | 26.85 | 0.0 | 0.0 | 0.0 | 26.85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 18 | 43.99 | 0.0 | 0.0 | 0.45 | 57.47 | 0.0 | 0.0 | 13.48 | 0.0 | 0.0 | 13.48 |
| 19 | 61.13 | 0.0 | 0.0 | 0.67 | 72.67 | 0.0 | 0.0 | 11.54 | 0.0 | 0.0 | 11.54 |
| 20 | 78.27 | 0.0 | 0.0 | 0.85 | 84.85 | 0.0 | 0.0 | 6.58 | 0.0 | 0.0 | 6.58 |
| 21 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |

**Start output S1**
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

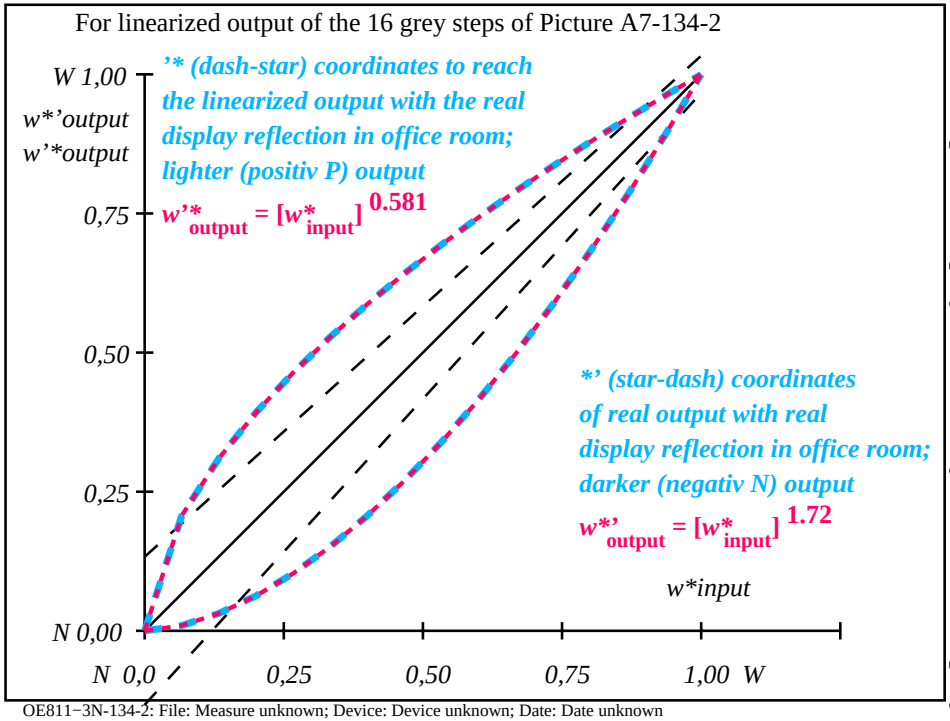
**Mean lightness difference (16 steps)**
$\Delta E^*_{CIELAB}$ = **8.4**

**Mean lightness difference (5 steps)**
$\Delta L^*_{CIELAB}$ = **6.3**

**Mean colour reproduction index:** $R^*_{ab,m}$ = **64**

OE810−3N-134-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

For linearized output of the 16 grey steps of Picture A7-134-2



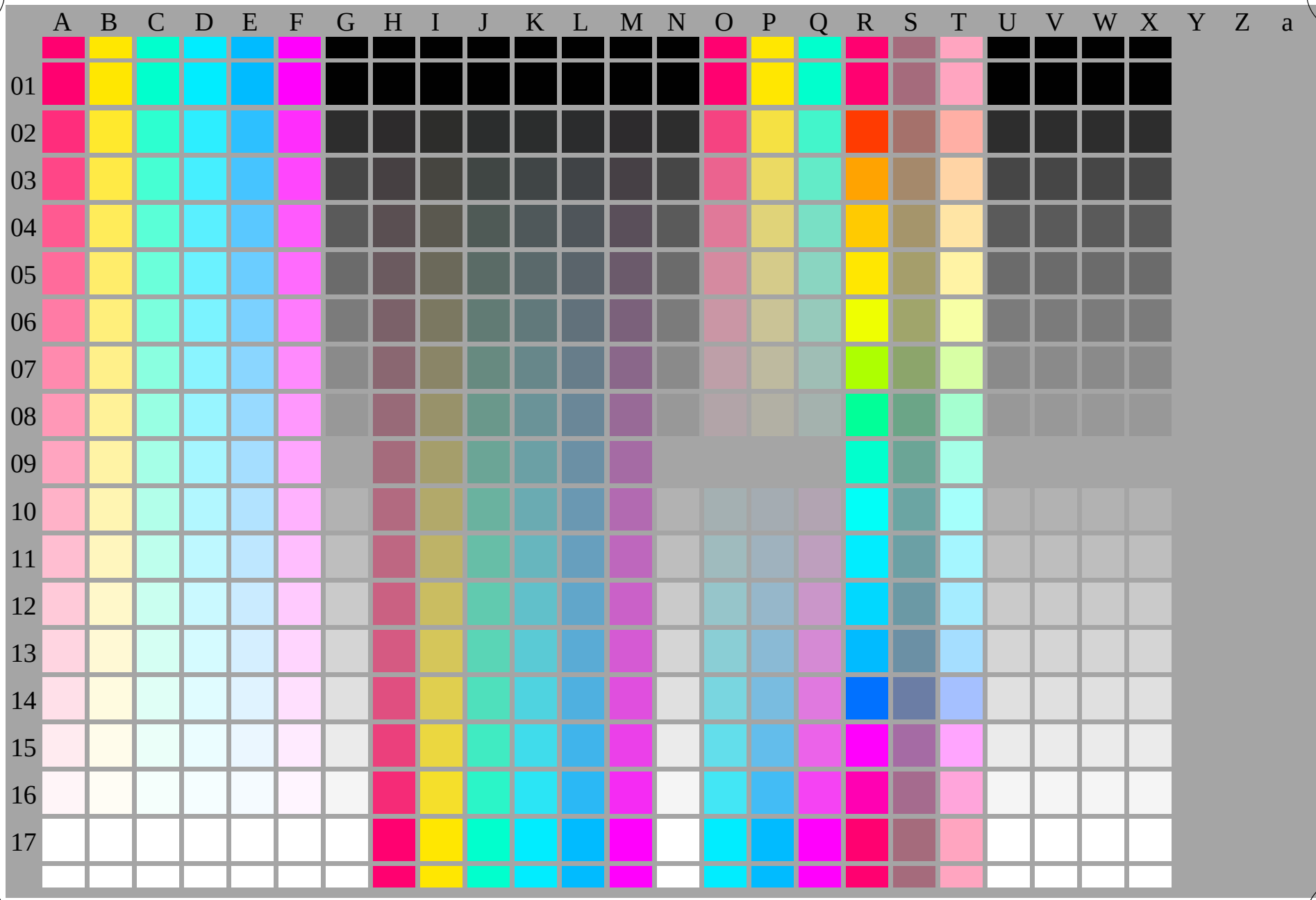

OE811−3N-134-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

| $L^*/Y_{intended}$ (absolute) | 26.8/5.0 | 31.4/6.8 | 36.0/9.0 | 40.6/11.6 | 45.1/14.6 | 49.7/18.2 | 54.3/22.2 | 58.8/26.9 | 63.4/32.1 | 68.0/38.0 | 72.6/44.5 | 77.1/51.7 | 81.7/59.7 | 86.3/68.5 | 90.8/78.1 | 95.4/88.6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| w* w* w* setrgb | | | | | | | | | | | | | | | | |
| $g_P$=0.58 | | | | | | | | | | | | | | | | |
| No. and Hex code | 00;F | 01;E | 02;D | 03;C | 04;B | 05;A | 06;9 | 07;8 | 08;7 | 09;6 | 10;5 | 11;4 | 12;3 | 13;2 | 14;1 | 15;0 |
| $w^*=l^*_{CIELAB, r}$ (relative) | | | | | | | | | | | | | | | | |
| $w^*_{intended}$ | 0,000 | 0,067 | 0,133 | 0,200 | 0,267 | 0,333 | 0,400 | 0,467 | 0,533 | 0,600 | 0,667 | 0,733 | 0,800 | 0,867 | 0,933 | 1,000 |
| $w^*_{out}$ | 0.0 | 0.208 | 0.309 | 0.392 | 0.464 | 0.528 | 0.587 | 0.642 | 0.694 | 0.743 | 0.79 | 0.835 | 0.878 | 0.92 | 0.96 | 1.0 |

OE810−7N, Picture A7-134-2: 16 visual equidistant *L**-grey steps; PS operator: *w* w* w* setrgbcolor*

OE81: In-output relation according to ISO 9241-306; 1MR, DEH
Viewing *Y* contrast $Y_W$:$Y_N$=88,9:5; $Y_N$ range 3,75 to <7,5

input: *cmy0 (−>cmy0*de) setcmyk*
output 134-2: $g_P$=0.7; $g_N$=1.0



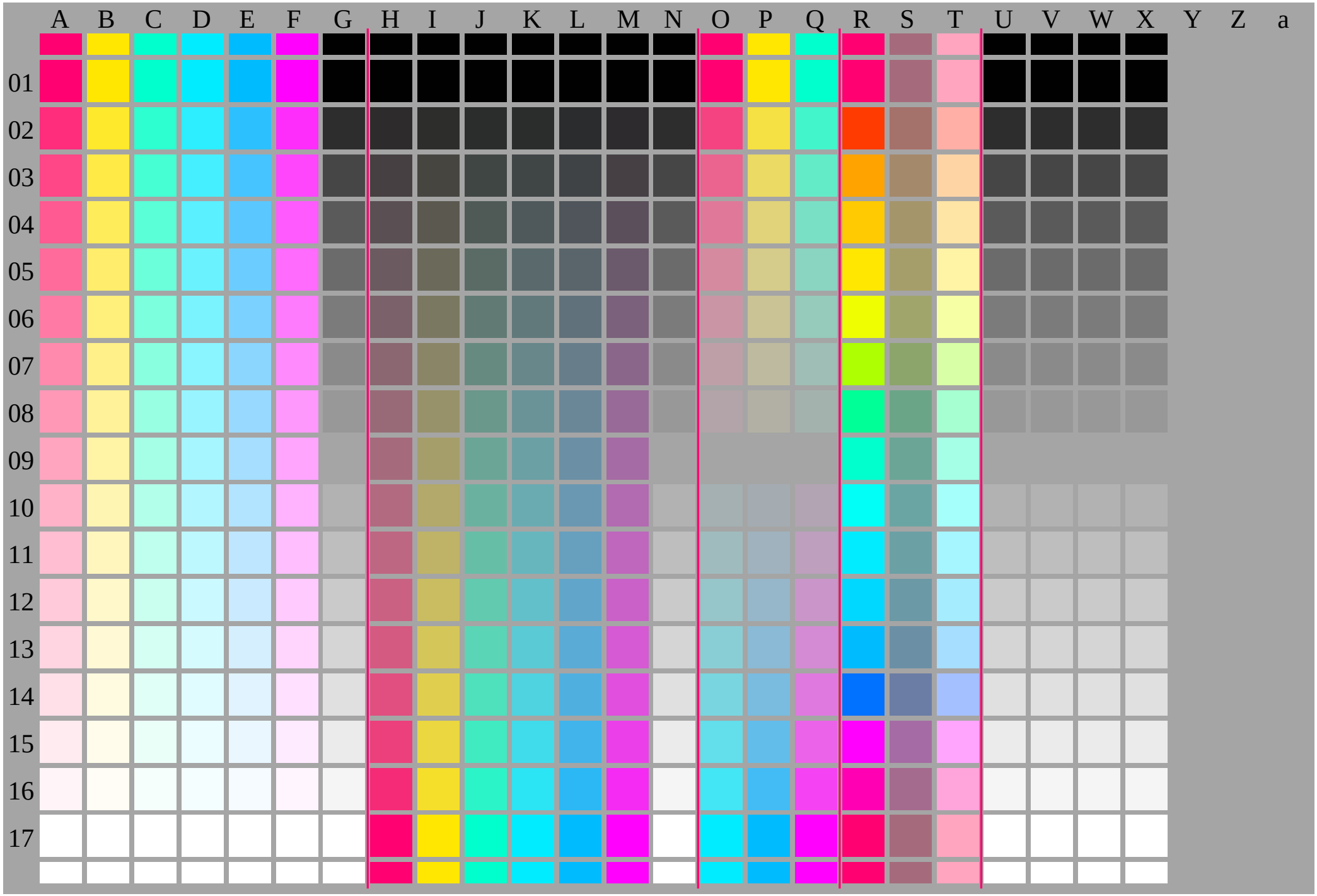

See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE81/OE81L0NA.TXT /.PS TUB material: code=rha4ta
application for output of displays: monitor systems or data projector systems

OE810−7N-135-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

OE81: Test chart 2 according to DIN 33872-1; 1MR, DEH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 135-0: $g_P$=0.62; $g_N$=1.0


A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a
01
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16
17

| i | LAB*ref | | | l*out | LAB*out | | | LAB*out/c−ref | | | ΔE* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 37.99 | 0.0 | 0.0 | 0.0 | 37.99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 2 | 41.81 | 0.0 | 0.0 | 0.24 | 51.79 | 0.0 | 0.0 | 9.98 | 0.0 | 0.0 | 9.98 |
| 3 | 45.64 | 0.0 | 0.0 | 0.35 | 57.87 | 0.0 | 0.0 | 12.23 | 0.0 | 0.0 | 12.23 |
| 4 | 49.47 | 0.0 | 0.0 | 0.43 | 62.6 | 0.0 | 0.0 | 13.13 | 0.0 | 0.0 | 13.13 |
| 5 | 53.3 | 0.0 | 0.0 | 0.5 | 66.63 | 0.0 | 0.0 | 13.33 | 0.0 | 0.0 | 13.33 |
| 6 | 57.13 | 0.0 | 0.0 | 0.56 | 70.19 | 0.0 | 0.0 | 13.07 | 0.0 | 0.0 | 13.07 |
| 7 | 60.96 | 0.0 | 0.0 | 0.62 | 73.44 | 0.0 | 0.0 | 12.48 | 0.0 | 0.0 | 12.48 |
| 8 | 64.78 | 0.0 | 0.0 | 0.67 | 76.44 | 0.0 | 0.0 | 11.65 | 0.0 | 0.0 | 11.65 |
| 9 | 68.61 | 0.0 | 0.0 | 0.72 | 79.23 | 0.0 | 0.0 | 10.62 | 0.0 | 0.0 | 10.62 |
| 10 | 72.44 | 0.0 | 0.0 | 0.76 | 81.87 | 0.0 | 0.0 | 9.43 | 0.0 | 0.0 | 9.43 |
| 11 | 76.27 | 0.0 | 0.0 | 0.81 | 84.37 | 0.0 | 0.0 | 8.11 | 0.0 | 0.0 | 8.11 |
| 12 | 80.1 | 0.0 | 0.0 | 0.85 | 86.76 | 0.0 | 0.0 | 6.66 | 0.0 | 0.0 | 6.66 |
| 13 | 83.93 | 0.0 | 0.0 | 0.89 | 89.05 | 0.0 | 0.0 | 5.12 | 0.0 | 0.0 | 5.12 |
| 14 | 87.75 | 0.0 | 0.0 | 0.93 | 91.24 | 0.0 | 0.0 | 3.49 | 0.0 | 0.0 | 3.49 |
| 15 | 91.58 | 0.0 | 0.0 | 0.96 | 93.36 | 0.0 | 0.0 | 1.78 | 0.0 | 0.0 | 1.78 |
| 16 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 17 | 37.99 | 0.0 | 0.0 | 0.0 | 37.99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 18 | 52.34 | 0.0 | 0.0 | 0.48 | 65.67 | 0.0 | 0.0 | 13.33 | 0.0 | 0.0 | 13.33 |
| 19 | 66.7 | 0.0 | 0.0 | 0.69 | 77.86 | 0.0 | 0.0 | 11.16 | 0.0 | 0.0 | 11.16 |
| 20 | 81.05 | 0.0 | 0.0 | 0.86 | 87.34 | 0.0 | 0.0 | 6.29 | 0.0 | 0.0 | 6.29 |
| 21 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |

**Start output S1**
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

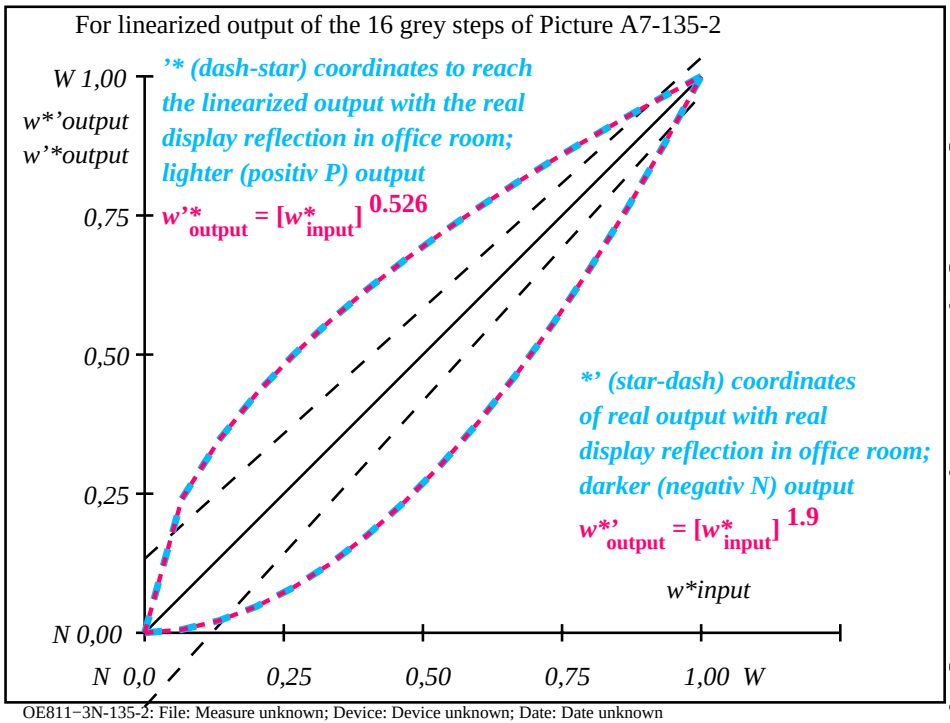
**Mean lightness difference (16 steps)**
**$\Delta E^*_{CIELAB}$ = 8.2**

**Mean lightness difference (5 steps)**
**$\Delta L^*_{CIELAB}$ = 6.2**

**Mean colour reproduction index: $R^*_{ab,m}$ = 65**

OE810−3N-135-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

For linearized output of the 16 grey steps of Picture A7-135-2



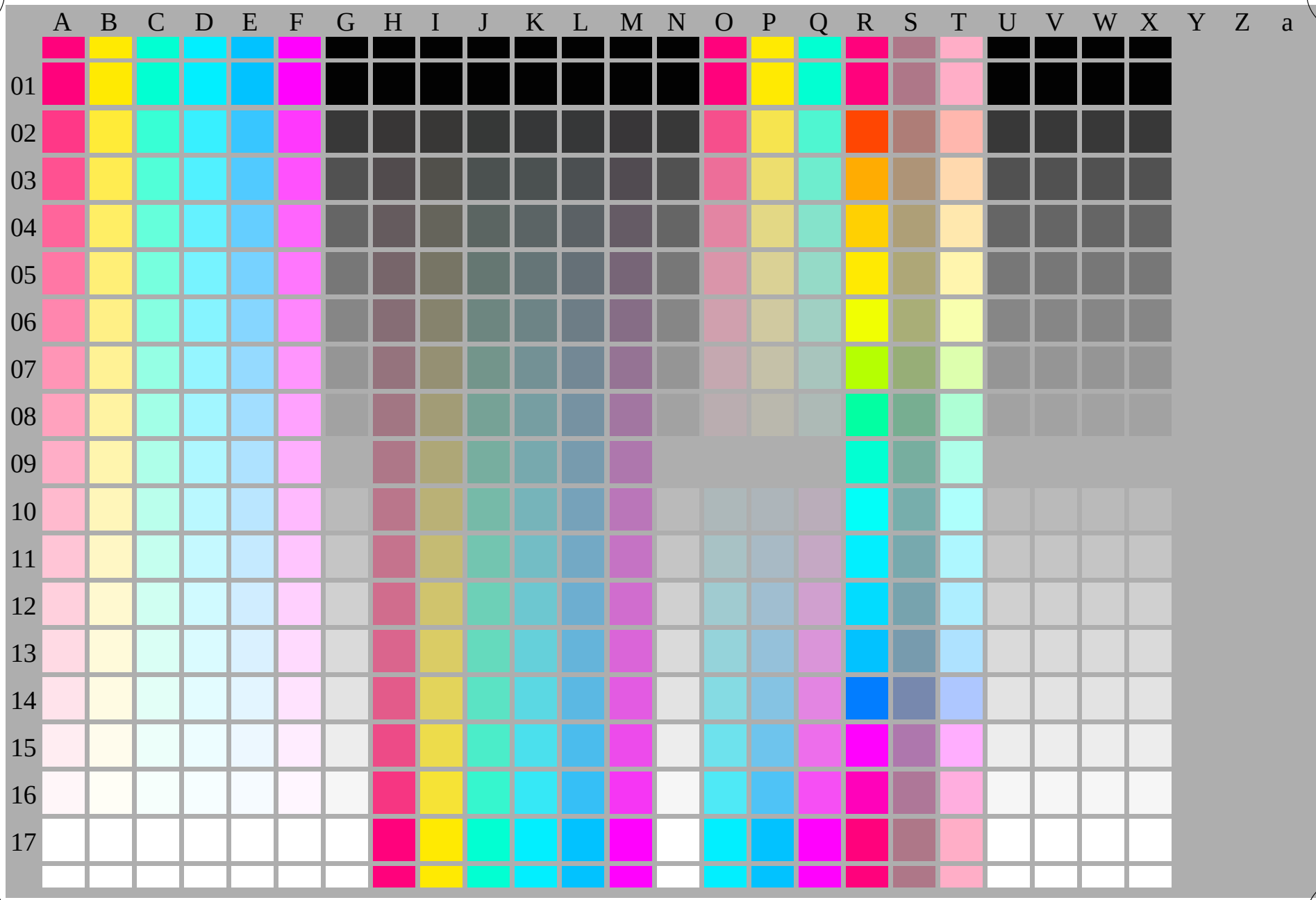

OE811−3N-135-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

| $L^*/Y_{intended}$ (absolute) | 38.0/10.1 | 41.8/12.4 | 45.6/15.0 | 49.5/18.0 | 53.3/21.3 | 57.1/25.1 | 61.0/29.2 | 64.8/33.8 | 68.6/38.8 | 72.4/44.3 | 76.3/50.3 | 80.1/56.9 | 83.9/63.9 | 87.8/71.6 | 91.6/79.8 | 95.4/88.6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| w* w* w* setrgb $g_P$=0.53 | | | | | | | | | | | | | | | | |
| No. and Hex code | 00;F | 01;E | 02;D | 03;C | 04;B | 05;A | 06;9 | 07;8 | 08;7 | 09;6 | 10;5 | 11;4 | 12;3 | 13;2 | 14;1 | 15;0 |
| $w^*=l^*_{CIELAB, r}$ (relative) | | | | | | | | | | | | | | | | |
| $w^*_{intended}$ | 0,000 | 0,067 | 0,133 | 0,200 | 0,267 | 0,333 | 0,400 | 0,467 | 0,533 | 0,600 | 0,667 | 0,733 | 0,800 | 0,867 | 0,933 | 1,000 |
| $w^*_{out}$ | 0.0 | 0.241 | 0.346 | 0.429 | 0.499 | 0.561 | 0.617 | 0.67 | 0.718 | 0.764 | 0.808 | 0.849 | 0.889 | 0.928 | 0.964 | 1.0 |

OE810−7N, Picture A7-135-2: 16 visual equidistant $L^*$-grey steps; PS operator: *w* w* w* setrgbcolor*

OE81: In-output relation according to ISO 9241-306; 1MR, DEH
Viewing $Y$ contrast $Y_W$:$Y_N$=88,9:10; $Y_N$ range 7,5 to <15

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 135-2: $g_P$=0.62; $g_N$=1.0



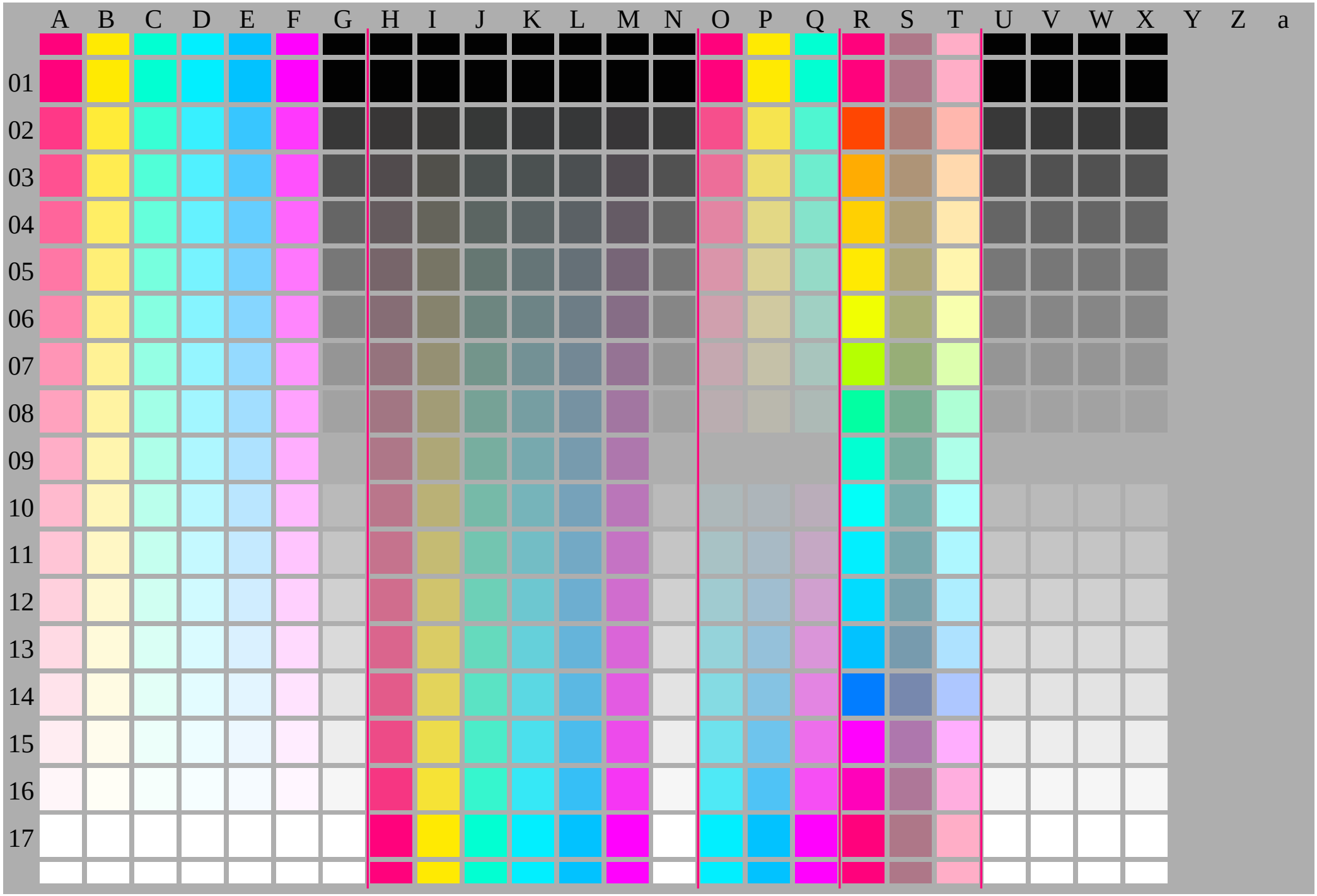

See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE81/OE81L0NA.TXT /.PS TUB material: code=rha4ta
application for output of displays: monitor systems or data projector systems

OE810−7N-136-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

OE81: Test chart 2 according to DIN 33872-1; 1MR, DEH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 136-0: $g_P$=0.55; $g_N$=1.0


A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a
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| i | LAB*ref | | | l*out | LAB*out | | | LAB*out/c−ref | | | ΔE* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 52.02 | 0.0 | 0.0 | 0.0 | 52.02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 2 | 54.91 | 0.0 | 0.0 | 0.27 | 63.82 | 0.0 | 0.0 | 8.91 | 0.0 | 0.0 | 8.91 |
| 3 | 57.8 | 0.0 | 0.0 | 0.38 | 68.49 | 0.0 | 0.0 | 10.69 | 0.0 | 0.0 | 10.69 |
| 4 | 60.7 | 0.0 | 0.0 | 0.46 | 72.03 | 0.0 | 0.0 | 11.34 | 0.0 | 0.0 | 11.34 |
| 5 | 63.59 | 0.0 | 0.0 | 0.53 | 75.0 | 0.0 | 0.0 | 11.41 | 0.0 | 0.0 | 11.41 |
| 6 | 66.48 | 0.0 | 0.0 | 0.59 | 77.61 | 0.0 | 0.0 | 11.12 | 0.0 | 0.0 | 11.12 |
| 7 | 69.37 | 0.0 | 0.0 | 0.64 | 79.95 | 0.0 | 0.0 | 10.57 | 0.0 | 0.0 | 10.57 |
| 8 | 72.27 | 0.0 | 0.0 | 0.69 | 82.1 | 0.0 | 0.0 | 9.83 | 0.0 | 0.0 | 9.83 |
| 9 | 75.16 | 0.0 | 0.0 | 0.74 | 84.09 | 0.0 | 0.0 | 8.93 | 0.0 | 0.0 | 8.93 |
| 10 | 78.05 | 0.0 | 0.0 | 0.78 | 85.96 | 0.0 | 0.0 | 7.91 | 0.0 | 0.0 | 7.91 |
| 11 | 80.95 | 0.0 | 0.0 | 0.82 | 87.72 | 0.0 | 0.0 | 6.78 | 0.0 | 0.0 | 6.78 |
| 12 | 83.84 | 0.0 | 0.0 | 0.86 | 89.4 | 0.0 | 0.0 | 5.56 | 0.0 | 0.0 | 5.56 |
| 13 | 86.73 | 0.0 | 0.0 | 0.9 | 91.0 | 0.0 | 0.0 | 4.26 | 0.0 | 0.0 | 4.26 |
| 14 | 89.62 | 0.0 | 0.0 | 0.93 | 92.53 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 2.9 |
| 15 | 92.52 | 0.0 | 0.0 | 0.97 | 93.99 | 0.0 | 0.0 | 1.48 | 0.0 | 0.0 | 1.48 |
| 16 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 17 | 52.02 | 0.0 | 0.0 | 0.0 | 52.02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 18 | 62.87 | 0.0 | 0.0 | 0.51 | 74.3 | 0.0 | 0.0 | 11.43 | 0.0 | 0.0 | 11.43 |
| 19 | 73.71 | 0.0 | 0.0 | 0.72 | 83.11 | 0.0 | 0.0 | 9.4 | 0.0 | 0.0 | 9.4 |
| 20 | 84.56 | 0.0 | 0.0 | 0.87 | 89.81 | 0.0 | 0.0 | 5.24 | 0.0 | 0.0 | 5.24 |
| 21 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |

**Start output S1**
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

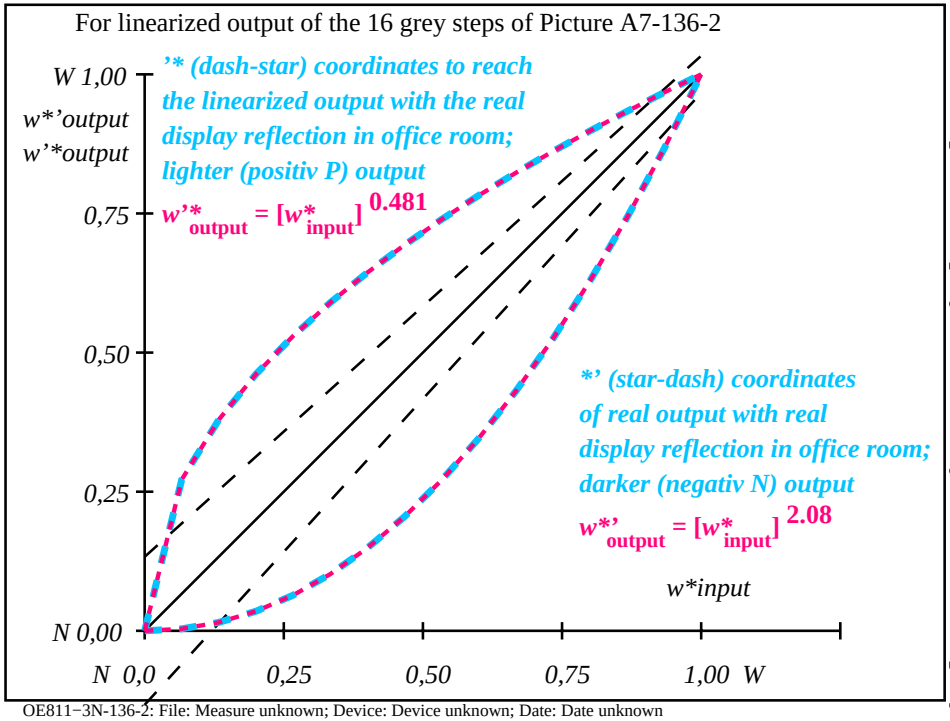
**Mean lightness difference (16 steps)**
$\Delta E^*_{CIELAB}$ = **7.0**

**Mean lightness difference (5 steps)**
$\Delta L^*_{CIELAB}$ = **5.2**

**Mean colour reproduction index:** $R^*_{ab,m}$ = **70**

OE810−3N-136-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

For linearized output of the 16 grey steps of Picture A7-136-2



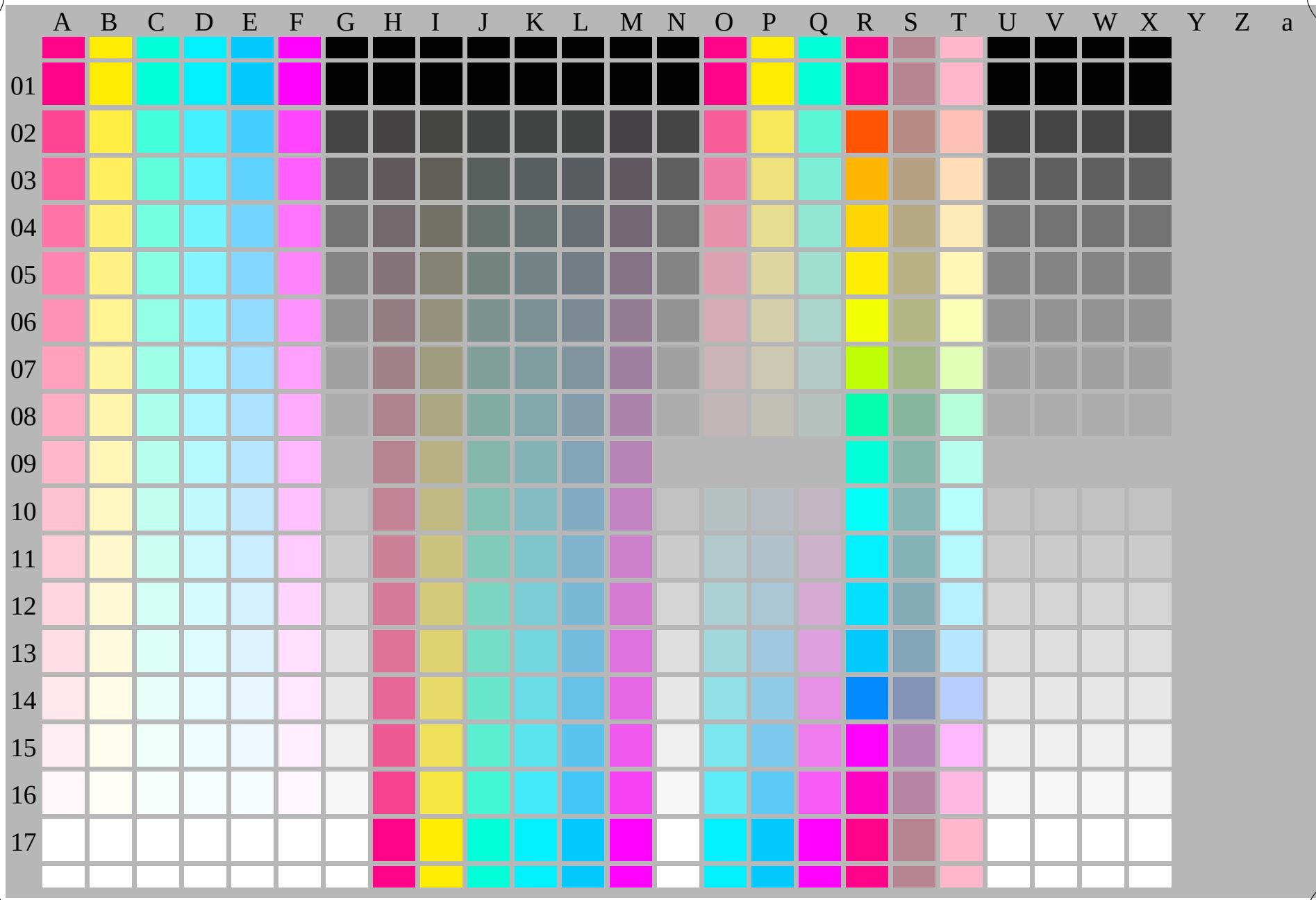

OE811−3N-136-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

| $L^*/Y_{intended}$ (absolute) | 52.0/20.2 | 54.9/22.8 | 57.8/25.8 | 60.7/28.9 | 63.6/32.3 | 66.5/36.0 | 69.4/39.9 | 72.3/44.1 | 75.2/48.5 | 78.1/53.3 | 80.9/58.4 | 83.8/63.8 | 86.7/69.5 | 89.6/75.5 | 92.5/81.9 | 95.4/88.6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| w* w* w* setrgb | | | | | | | | | | | | | | | | |
| $g_P$=0.48 | | | | | | | | | | | | | | | | |
| No. and Hex code | 00;F | 01;E | 02;D | 03;C | 04;B | 05;A | 06;9 | 07;8 | 08;7 | 09;6 | 10;5 | 11;4 | 12;3 | 13;2 | 14;1 | 15;0 |
| $w^*=l^*_{CIELAB, r}$ (relative) | | | | | | | | | | | | | | | | |
| $w^*_{intended}$ | 0,000 | 0,067 | 0,133 | 0,200 | 0,267 | 0,333 | 0,400 | 0,467 | 0,533 | 0,600 | 0,667 | 0,733 | 0,800 | 0,867 | 0,933 | 1,000 |
| $w^*_{out}$ | 0.0 | 0.273 | 0.379 | 0.461 | 0.53 | 0.589 | 0.644 | 0.693 | 0.739 | 0.782 | 0.823 | 0.861 | 0.898 | 0.934 | 0.967 | 1.0 |

OE810−7N, Picture A7-136-2: 16 visual equidistant $L^*$-grey steps; PS operator: *w* w* w* setrgbcolor*

OE81: In-output relation according to ISO 9241-306; 1MR, DEH
Viewing $Y$ contrast $Y_W$:$Y_N$=88,9:20; $Y_N$ range 15 to <30

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 136-2: $g_P$=0.55; $g_N$=1.0



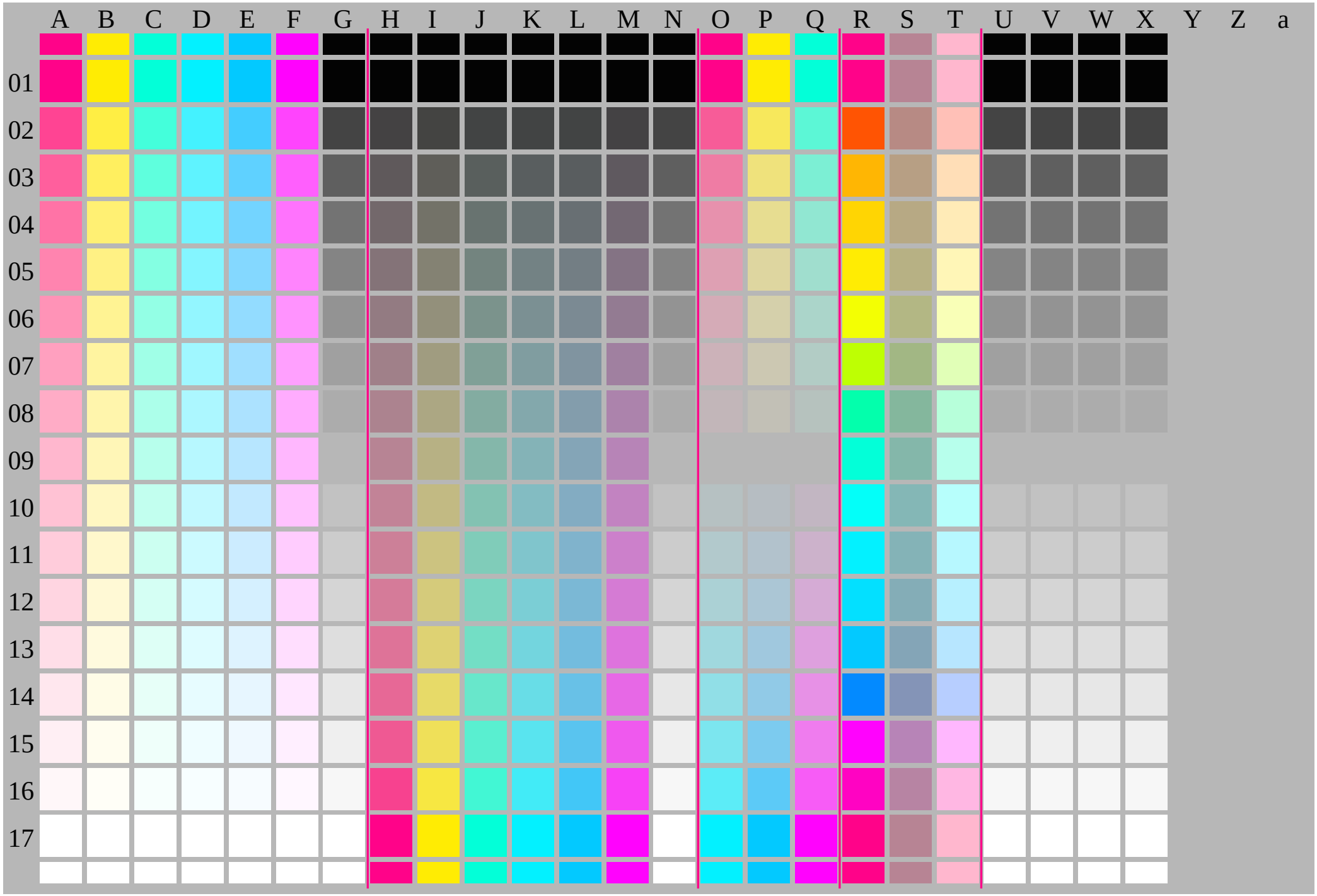

See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE81/OE81L0NA.TXT /.PS TUB material: code=rha4ta
application for output of displays: monitor systems or data projector systems

OE810−7N-137-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

OE81: Test chart 2 according to DIN 33872-1; 1MR, DEH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 137-0: $g_P$=0.47; $g_N$=1.0


A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a
01
02
03
04
05
06
07
08
09
10
11
12
13
14
15
16
17

| i | LAB*ref | | | l*out | LAB*out | | | LAB*out/c−ref | | | ΔE* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 69.7 | 0.0 | 0.0 | 0.0 | 69.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 2 | 71.41 | 0.0 | 0.0 | 0.3 | 77.46 | 0.0 | 0.0 | 6.04 | 0.0 | 0.0 | 6.04 |
| 3 | 73.13 | 0.0 | 0.0 | 0.41 | 80.24 | 0.0 | 0.0 | 7.11 | 0.0 | 0.0 | 7.11 |
| 4 | 74.84 | 0.0 | 0.0 | 0.49 | 82.31 | 0.0 | 0.0 | 7.47 | 0.0 | 0.0 | 7.47 |
| 5 | 76.55 | 0.0 | 0.0 | 0.56 | 84.02 | 0.0 | 0.0 | 7.47 | 0.0 | 0.0 | 7.47 |
| 6 | 78.27 | 0.0 | 0.0 | 0.62 | 85.51 | 0.0 | 0.0 | 7.24 | 0.0 | 0.0 | 7.24 |
| 7 | 79.98 | 0.0 | 0.0 | 0.67 | 86.84 | 0.0 | 0.0 | 6.86 | 0.0 | 0.0 | 6.86 |
| 8 | 81.7 | 0.0 | 0.0 | 0.71 | 88.05 | 0.0 | 0.0 | 6.35 | 0.0 | 0.0 | 6.35 |
| 9 | 83.41 | 0.0 | 0.0 | 0.76 | 89.17 | 0.0 | 0.0 | 5.76 | 0.0 | 0.0 | 5.76 |
| 10 | 85.12 | 0.0 | 0.0 | 0.8 | 90.21 | 0.0 | 0.0 | 5.08 | 0.0 | 0.0 | 5.08 |
| 11 | 86.84 | 0.0 | 0.0 | 0.84 | 91.19 | 0.0 | 0.0 | 4.35 | 0.0 | 0.0 | 4.35 |
| 12 | 88.55 | 0.0 | 0.0 | 0.87 | 92.11 | 0.0 | 0.0 | 3.56 | 0.0 | 0.0 | 3.56 |
| 13 | 90.27 | 0.0 | 0.0 | 0.91 | 92.99 | 0.0 | 0.0 | 2.73 | 0.0 | 0.0 | 2.73 |
| 14 | 91.98 | 0.0 | 0.0 | 0.94 | 93.83 | 0.0 | 0.0 | 1.85 | 0.0 | 0.0 | 1.85 |
| 15 | 93.7 | 0.0 | 0.0 | 0.97 | 94.64 | 0.0 | 0.0 | 0.94 | 0.0 | 0.0 | 0.94 |
| 16 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 17 | 69.7 | 0.0 | 0.0 | 0.0 | 69.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 18 | 76.13 | 0.0 | 0.0 | 0.54 | 83.62 | 0.0 | 0.0 | 7.5 | 0.0 | 0.0 | 7.5 |
| 19 | 82.55 | 0.0 | 0.0 | 0.74 | 88.62 | 0.0 | 0.0 | 6.06 | 0.0 | 0.0 | 6.06 |
| 20 | 88.98 | 0.0 | 0.0 | 0.88 | 92.34 | 0.0 | 0.0 | 3.35 | 0.0 | 0.0 | 3.35 |
| 21 | 95.41 | 0.0 | 0.0 | 1.0 | 95.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |

**Start output S1**
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

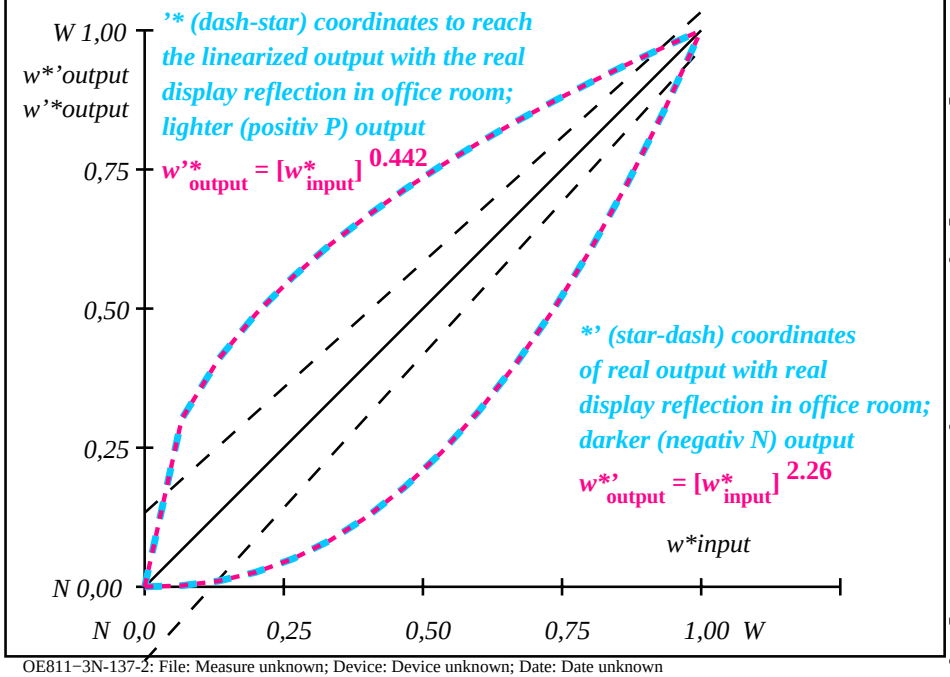
**Mean lightness difference (16 steps)**
$\Delta E^*_{CIELAB}$ = **4.6**

**Mean lightness difference (5 steps)**
$\Delta L^*_{CIELAB}$ = **3.4**

**Mean colour reproduction index:** $R^*_{ab,m}$ = **80**

OE810−3N-137-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

For linearized output of the 16 grey steps of Picture A7-137-2




OE811−3N-137-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

| $L^*/Y_{intended}$ (absolute) | 69.7/40.3 | 71.4/42.8 | 73.1/45.4 | 74.8/48.0 | 76.6/50.8 | 78.3/53.7 | 80.0/56.6 | 81.7/59.7 | 83.4/62.9 | 85.1/66.3 | 86.8/69.7 | 88.6/73.2 | 90.3/76.9 | 92.0/80.7 | 93.7/84.6 | 95.4/88.6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| w* w* w* setrgb $g_P$=0.44 | | | | | | | | | | | | | | | | |
| No. and Hex code | 00;F | 01;E | 02;D | 03;C | 04;B | 05;A | 06;9 | 07;8 | 08;7 | 09;6 | 10;5 | 11;4 | 12;3 | 13;2 | 14;1 | 15;0 |
| $w^*=l^*_{CIELAB, r}$ (relative) | | | | | | | | | | | | | | | | |
| $w^*_{intended}$ | 0,000 | 0,067 | 0,133 | 0,200 | 0,267 | 0,333 | 0,400 | 0,467 | 0,533 | 0,600 | 0,667 | 0,733 | 0,800 | 0,867 | 0,933 | 1,000 |
| $w^*_{out}$ | 0.0 | 0.302 | 0.41 | 0.491 | 0.557 | 0.615 | 0.667 | 0.714 | 0.757 | 0.798 | 0.836 | 0.872 | 0.906 | 0.939 | 0.97 | 1.0 |

OE810−7N, Picture A7-137-2: 16 visual equidistant $L^*$-grey steps; PS operator: *w* w* w* setrgbcolor*

OE81: In-output relation according to ISO 9241-306; 1MR, DEH
Viewing $Y$ contrast $Y_W$:$Y_N$=88,9:40; $Y_N$ range 30 to <60

input: *cmy0 (−>cmy0*$_{de}$) setcmyk*
output 137-2: $g_P$=0.47; $g_N$=1.0