

| ISO/IEC (I)<br>Testchart<br>according<br>ISO/IEC<br>TR 24705 | Original <sup>2)</sup><br>BAM URL<br>for<br>download | New <sup>2)</sup><br>TUB URL<br>for<br>download<br>+ FF_LM | 1-minus-<br>relation<br>1MR <sup>1)</sup><br>+ DH |                 | Device<br>File Output<br>DFO <sub>i</sub><br>i/8 DG_PS |    | Whole De-<br>vice Output<br>WDO <sub>i</sub><br>i/8 DG_PR |    |
|--------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------|-----------------|--------------------------------------------------------|----|-----------------------------------------------------------|----|
|                                                              |                                                      |                                                            | VG                                                | PG              | VG                                                     | PG | VG                                                        | PG |
| I3n (000n)                                                   | A <sub>1</sub> : B/DE86                              | A <sub>3</sub> : T/OE50                                    | ● <sup>1)</sup>                                   | -               | ●                                                      | -  | ●                                                         | -  |
| I3w (w)                                                      | A <sub>1</sub> : B/DE87                              | A <sub>3</sub> : T/OE51                                    | ● <sup>1)</sup>                                   | -               | ● <sup>ME15</sup>                                      | -  | ● <sup>ME16</sup>                                         | -  |
| I3c (cmy0)                                                   | A <sub>1</sub> : B/DE88                              | A <sub>3</sub> : T/OE52                                    | ● <sup>1)</sup>                                   | -               | ●                                                      | -  | ●                                                         | -  |
| I3r (rgb)                                                    | A <sub>1</sub> : B/DE89                              | A <sub>3</sub> : T/OE53                                    | ● <sup>1)</sup>                                   | -               | ●                                                      | -  | ●                                                         | -  |
| I3a (all)                                                    | A <sub>4</sub> : DE86-88                             | A <sub>12</sub> : T/OE54                                   | ● <sup>1)</sup>                                   | -               | ●                                                      | -  | ●                                                         | -  |
| I2mr (rgb)                                                   | C <sub>1</sub> : B/FE97                              | C <sub>3</sub> : T/OE55                                    | ● <sup>1)</sup>                                   | -               | ●                                                      | -  | ●                                                         | -  |
| I4mr (rgb)                                                   | C <sub>1</sub> : B/FE99                              | C <sub>3</sub> : T/OE56                                    | ● <sup>1)</sup>                                   | -               | ●                                                      | -  | ●                                                         | -  |
| I2R (rgb)                                                    | C <sub>1</sub> : B/FE97                              | C <sub>3</sub> : T/OE57                                    | ● <sup>1)</sup>                                   | ● <sup>1)</sup> | ●                                                      | ●  | ●                                                         | ●  |
| I4R (rgb)                                                    | C <sub>1</sub> : B/FE99                              | C <sub>3</sub> : T/OE58                                    | ● <sup>1)</sup>                                   | ● <sup>1)</sup> | ●                                                      | ●  | ●                                                         | ●  |
| I4r (rgb)                                                    | C <sub>1</sub> : B/FE99                              | C <sub>3</sub> : T/OE59                                    | ● <sup>1)</sup>                                   | -               | ●                                                      | -  | ●                                                         | -  |

Abbreviations: 1MR = 1-Minus-Relation; DH = Device Hue; ME15/16: ISO 9241-306;  
cmy0/000n setcmykcolor; rgb setrgbcolor; w setgray; DG = Device Gamma  
VG/PG = Vector/Pixel Graphics; ● = realized; - = no PG; A/C<sub>x</sub> = (a)chromatic, x pages  
Remarks: 1) Realized: Mac OSX 10/10.1, Adobe FrameMaker 8, Unix, Ghostscript  
2) BAM/ = B/ = http://www.ps.bam.de/; TUB/ = T/ = http://130.149.60.45/~farbmetrik/  
OE480-3N

| ISO/IEC (I)<br>Testchart<br>according<br>ISO/IEC<br>TR 24705 | Original <sup>2)</sup><br>BAM URL<br>for<br>download | New <sup>2)</sup><br>TUB URL<br>for<br>download<br>+ FF_LM | 1-minus-<br>relation<br>1MR <sup>1)</sup><br>+ DEH <sub>sRGB</sub> |                 | Device<br>File Output<br>DFO <sub>i</sub><br>i/8 DG_PS |    | Whole De-<br>vice Output<br>WDO <sub>i</sub><br>i/8 DG_PR |    |
|--------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------|-----------------|--------------------------------------------------------|----|-----------------------------------------------------------|----|
|                                                              |                                                      |                                                            | VG                                                                 | PG              | VG                                                     | PG | VG                                                        | PG |
| I3n (000n)                                                   | A <sub>1</sub> : B/DE86                              | A <sub>3</sub> : T/OE60                                    | ● <sup>1)</sup>                                                    | -               | ●                                                      | -  | ●                                                         | -  |
| I3w (w)                                                      | A <sub>1</sub> : B/DE87                              | A <sub>3</sub> : T/OE61                                    | ● <sup>1)</sup>                                                    | -               | ● <sup>ME15</sup>                                      | -  | ● <sup>ME16</sup>                                         | -  |
| I3c (cmy0)                                                   | A <sub>1</sub> : B/DE88                              | A <sub>3</sub> : T/OE62                                    | ● <sup>1)</sup>                                                    | -               | ●                                                      | -  | ●                                                         | -  |
| I3r (rgb)                                                    | A <sub>1</sub> : B/DE89                              | A <sub>3</sub> : T/OE63                                    | ● <sup>1)</sup>                                                    | -               | ●                                                      | -  | ●                                                         | -  |
| I3a (all)                                                    | A <sub>4</sub> : DE86-88                             | A <sub>12</sub> : T/OE64                                   | ● <sup>1)</sup>                                                    | -               | ●                                                      | -  | ●                                                         | -  |
| I2mr (rgb)                                                   | C <sub>1</sub> : B/FE97                              | C <sub>3</sub> : T/OE65                                    | ● <sup>1)</sup>                                                    | -               | ●                                                      | -  | ●                                                         | -  |
| I4mr (rgb)                                                   | C <sub>1</sub> : B/FE99                              | C <sub>3</sub> : T/OE66                                    | ● <sup>1)</sup>                                                    | -               | ●                                                      | -  | ●                                                         | -  |
| I2R (rgb)                                                    | C <sub>1</sub> : B/FE97                              | C <sub>3</sub> : T/OE67                                    | ● <sup>1)</sup>                                                    | ● <sup>1)</sup> | ●                                                      | ●  | ●                                                         | ●  |
| I4R (rgb)                                                    | C <sub>1</sub> : B/FE99                              | C <sub>3</sub> : T/OE68                                    | ● <sup>1)</sup>                                                    | ● <sup>1)</sup> | ●                                                      | ●  | ●                                                         | ●  |
| I4r (rgb)                                                    | C <sub>1</sub> : B/FE99                              | C <sub>3</sub> : T/OE69                                    | ● <sup>1)</sup>                                                    | -               | ●                                                      | -  | ●                                                         | -  |

Abbreviations: 1MR = 1-Minus-Relation; DG\_PS/PR = Device Gamma PS/Profile  
cmy0/000n setcmykcolor; rgb setrgbcolor; w setgray; DEH=Device to Elementary Hue;  
VG/PG = Vector/Pixel Graphics; ● = realized; - = no PG; A/C<sub>x</sub> = (a)chromatic, x pages  
Remarks: 1) Realized: Mac OSX 10/10.1, Adobe FrameMaker 8, Unix, Ghostscript  
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OE480-7N

TUB-test chart OE48; Frame File Linearization Method (FF\_LM), Page 1/1  
for series OE50 to OE89 for ISO- and DIN-test charts

| DIN (D)<br>Testchart<br>according<br>DIN<br>33872-X | Original <sup>2)</sup><br>BAM URL<br>for<br>download | New <sup>2)</sup><br>TUB URL<br>for<br>download<br>+ FF_LM | 1-minus-<br>relation<br>1MR <sup>1)</sup><br>+ DH |    | Device<br>File Output<br>DFO <sub>i</sub><br>i/8 DG_PS |    | Whole De-<br>vice Output<br>WDO <sub>i</sub><br>i/8 DG_PR |    |
|-----------------------------------------------------|------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------|----|--------------------------------------------------------|----|-----------------------------------------------------------|----|
|                                                     |                                                      |                                                            | VG                                                | PG | VG                                                     | PG | VG                                                        | PG |
| D1r (rgb)                                           | A <sub>2</sub> : B/De11                              | A <sub>3</sub> : T/OE70                                    | ● <sup>1)</sup>                                   | -  | ●                                                      | -  | ●                                                         | -  |
| D1c (cmy0)                                          | A <sub>2</sub> : B/De21                              | A <sub>3</sub> : T/OE71                                    | ● <sup>1)</sup>                                   | -  | ●                                                      | -  | ●                                                         | -  |
| D2r (rgb)                                           | A <sub>11</sub> : B/De12                             | A <sub>12</sub> : T/OE72                                   | ● <sup>1)</sup>                                   | -  | ●                                                      | -  | ●                                                         | -  |
| D2c (cmy0)                                          | A <sub>11</sub> : B/De22                             | A <sub>12</sub> : T/OE73                                   | ● <sup>1)</sup>                                   | -  | ●                                                      | -  | ●                                                         | -  |
| D3a (all)                                           | C <sub>2</sub> : B/De13                              | C <sub>3</sub> : T/OE74                                    | ● <sup>1)</sup>                                   | -  | ●                                                      | -  | ●                                                         | -  |
| D4a (all)                                           | C <sub>11</sub> : B/De14                             | C <sub>12</sub> : T/OE75                                   | ● <sup>1)</sup>                                   | -  | ●                                                      | -  | ●                                                         | -  |
| D5r (rgb)                                           | C <sub>2</sub> : B/De15                              | C <sub>3</sub> : T/OE76                                    | ● <sup>1)</sup>                                   | -  | ●                                                      | -  | ●                                                         | -  |
| D5c (cmy0)                                          | C <sub>2</sub> : B/De25                              | C <sub>3</sub> : T/OE77                                    | ● <sup>1)</sup>                                   | -  | ●                                                      | -  | ●                                                         | -  |
| D6r (rgb)                                           | C <sub>2</sub> : B/De16                              | C <sub>3</sub> : T/OE78                                    | ● <sup>1)</sup>                                   | -  | ●                                                      | -  | ●                                                         | -  |
| D6c (cmy0)                                          | C <sub>2</sub> : B/De26                              | C <sub>3</sub> : T/OE79                                    | ● <sup>1)</sup>                                   | -  | ●                                                      | -  | ●                                                         | -  |

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VG/PG = Vector/Pixel Graphics; ● = realized; - = no PG; A/C<sub>x</sub> = (a)chromatic, x pages  
Remarks: 1) Realized: Mac OSX 10/10.1, Adobe FrameMaker 8, Unix, Ghostscript  
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| DIN (D)<br>Testchart<br>according<br>DIN<br>33872-X | Original <sup>2)</sup><br>BAM URL<br>for<br>download | New <sup>2)</sup><br>TUB URL<br>for<br>download<br>+ FF_LM | 1-minus-<br>relation<br>1MR <sup>1)</sup><br>+ DEH <sub>sRGB</sub> |    | Device<br>File Output<br>DFO <sub>i</sub><br>i/8 DG_PS |    | Whole De-<br>vice Output<br>WDO <sub>i</sub><br>i/8 DG_PR |    |
|-----------------------------------------------------|------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------|----|--------------------------------------------------------|----|-----------------------------------------------------------|----|
|                                                     |                                                      |                                                            | VG                                                                 | PG | VG                                                     | PG | VG                                                        | PG |
| D1r (rgb)                                           | A <sub>2</sub> : B/De11                              | A <sub>3</sub> : T/OE80                                    | ● <sup>1)</sup>                                                    | -  | ●                                                      | -  | ●                                                         | -  |
| D1c (cmy0)                                          | A <sub>2</sub> : B/De21                              | A <sub>3</sub> : T/OE81                                    | ● <sup>1)</sup>                                                    | -  | ●                                                      | -  | ●                                                         | -  |
| D2r (rgb)                                           | A <sub>11</sub> : B/De12                             | A <sub>12</sub> : T/OE82                                   | ● <sup>1)</sup>                                                    | -  | ●                                                      | -  | ●                                                         | -  |
| D2c (cmy0)                                          | A <sub>11</sub> : B/De22                             | A <sub>12</sub> : T/OE83                                   | ● <sup>1)</sup>                                                    | -  | ●                                                      | -  | ●                                                         | -  |
| D3a (all)                                           | C <sub>2</sub> : B/De13                              | C <sub>3</sub> : T/OE84                                    | ● <sup>1)</sup>                                                    | -  | ●                                                      | -  | ●                                                         | -  |
| D4a (all)                                           | C <sub>11</sub> : B/De14                             | C <sub>12</sub> : T/OE85                                   | ● <sup>1)</sup>                                                    | -  | ●                                                      | -  | ●                                                         | -  |
| D5r (rgb)                                           | C <sub>2</sub> : B/De15                              | C <sub>3</sub> : T/OE86                                    | ● <sup>1)</sup>                                                    | -  | ●                                                      | -  | ●                                                         | -  |
| D5c (cmy0)                                          | C <sub>2</sub> : B/De25                              | C <sub>3</sub> : T/OE87                                    | ● <sup>1)</sup>                                                    | -  | ●                                                      | -  | ●                                                         | -  |
| D6r (rgb)                                           | C <sub>2</sub> : B/De16                              | C <sub>3</sub> : T/OE88                                    | ● <sup>1)</sup>                                                    | -  | ●                                                      | -  | ●                                                         | -  |
| D6c (cmy0)                                          | C <sub>2</sub> : B/De26                              | C <sub>3</sub> : T/OE89                                    | ● <sup>1)</sup>                                                    | -  | ●                                                      | -  | ●                                                         | -  |

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Remarks: 1) Realized: Mac OSX 10/10.1, Adobe FrameMaker 8, Unix, Ghostscript  
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input: rgb setrgbcolor  
output: no change