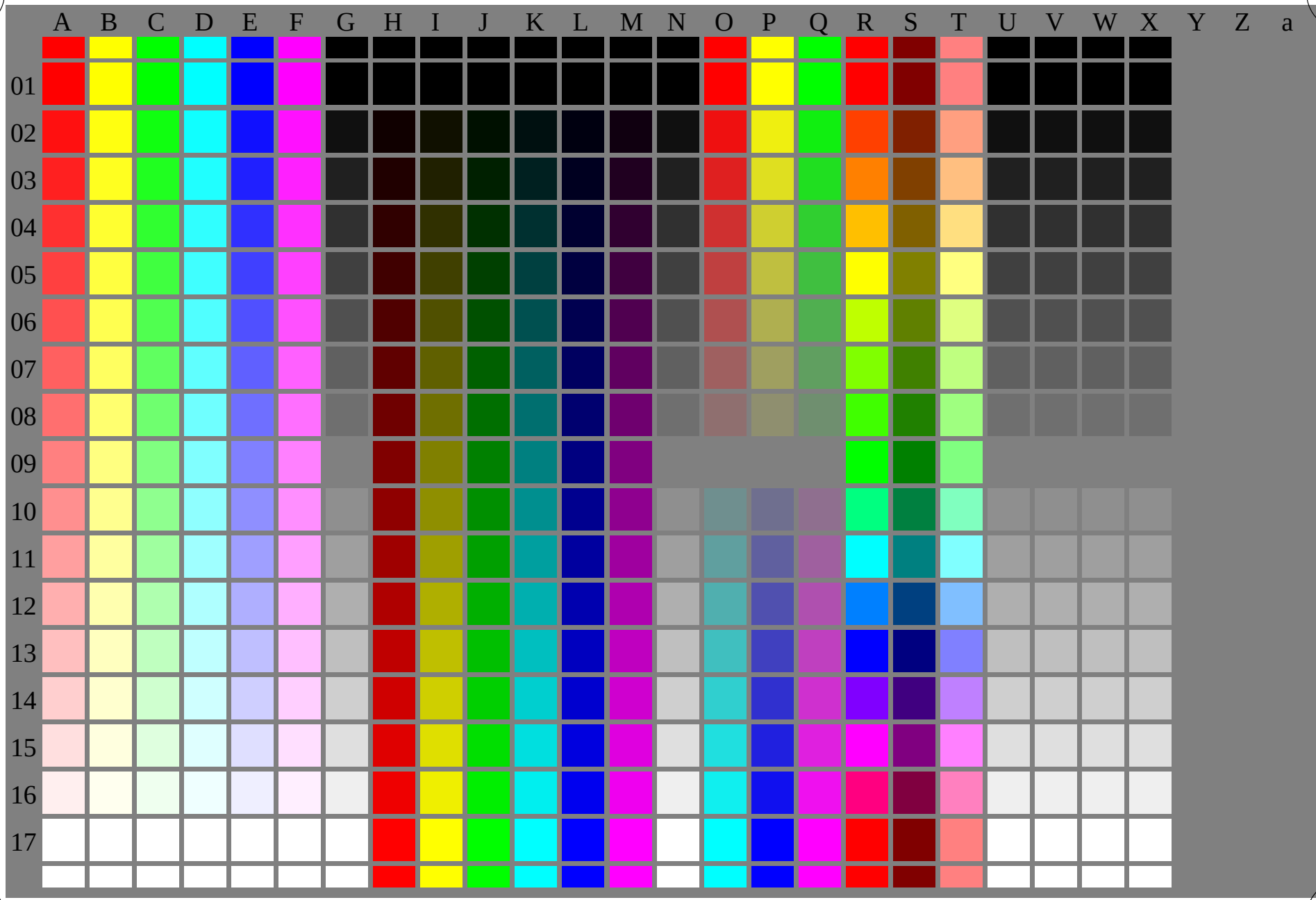


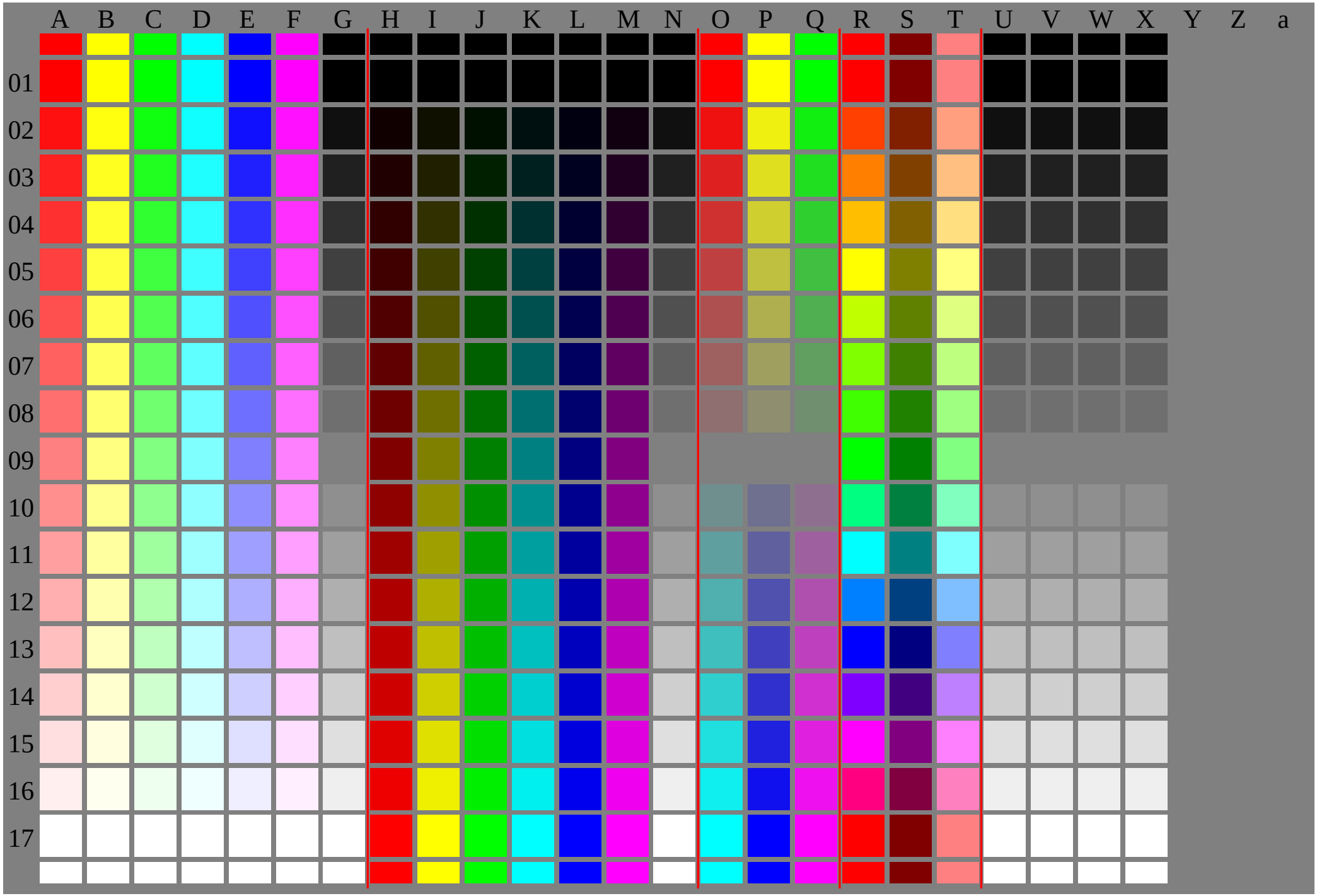
OE710−7N-130-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_d$) 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-OE71/OE71L0NA.TXT /.PS TUB material: code=rha4ta
application for output of displays: monitor systems or data projector systems


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	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

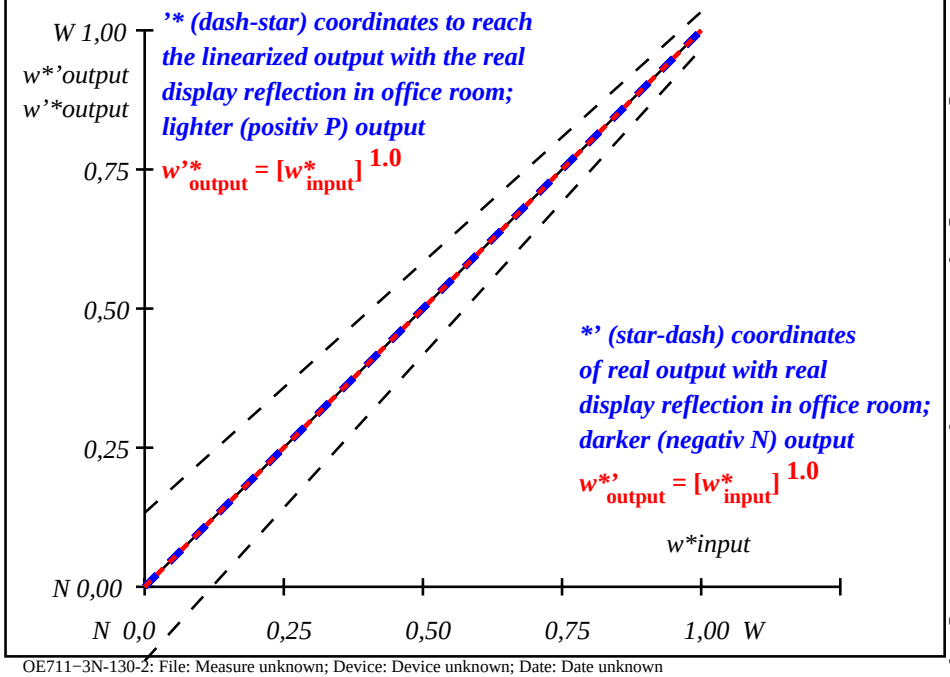
Mean lightness difference (16 steps)
ΔE^*_{CIELAB} = **0.0**

Mean lightness difference (5 steps)
ΔL^*_{CIELAB} = **0.0**

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

OE710−3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

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



OE711−3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

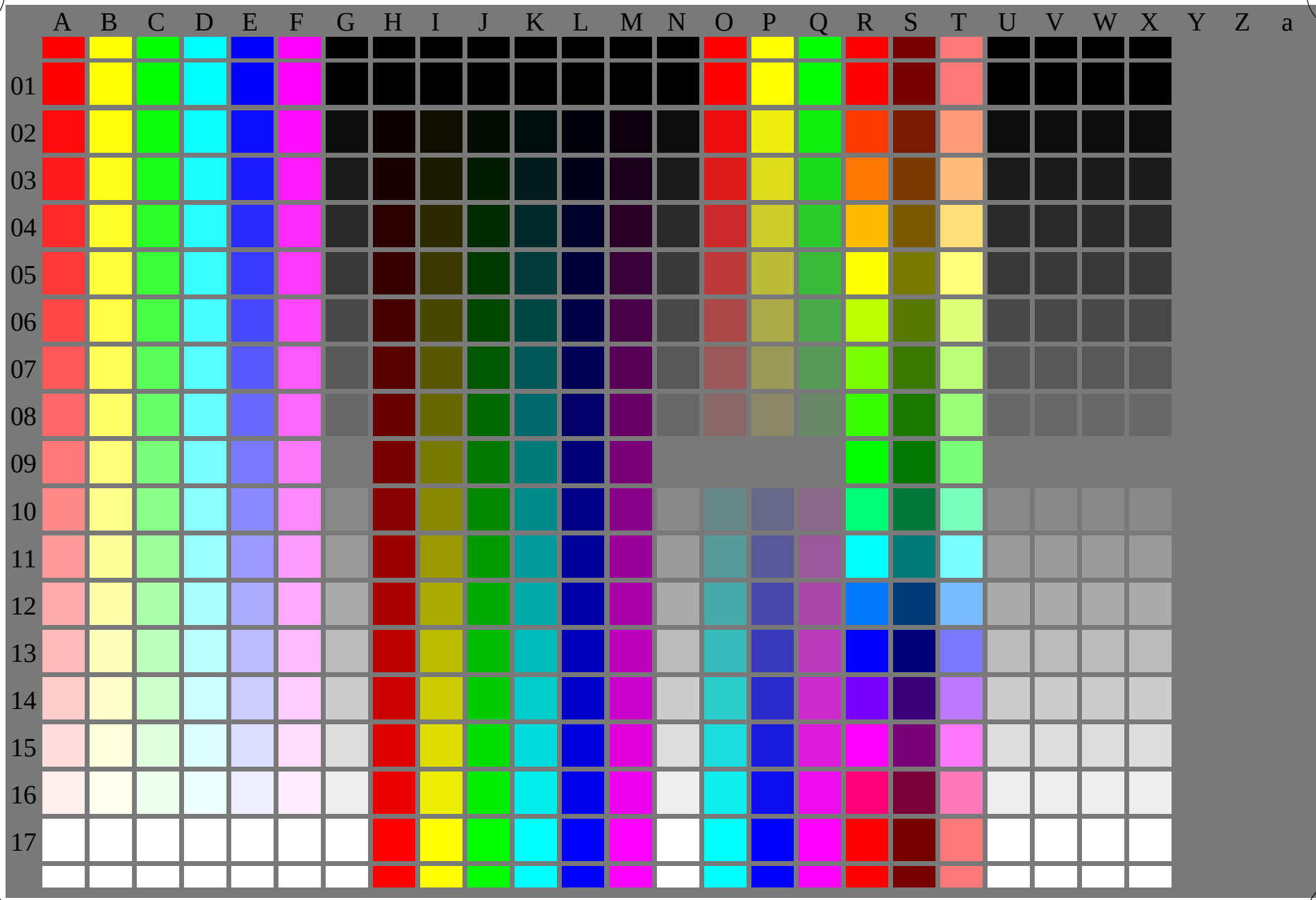
$L^*/Y_{intended}$ (absolute)	0.0/0.0	6.4/0.7	12.7/1.5	19.1/2.8	25.4/4.6	31.8/7.0	38.2/10.2	44.5/14.2	50.9/19.2	57.2/25.2	63.6/32.3	70.0/40.7	76.3/50.4	82.7/61.6	89.0/74.3	95.4/88.6
w* w* w* setrgb g_P=1.0																
No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	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

OE710−7N, Picture A7-130-2: 16 visual equidistant *L**-grey steps; PS operator: *w* w* w* setrgbcolor*

OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing *Y* contrast Y_W:Y_N=88,9:0,31; Y_N range 0,0 to <0,46

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-2: g_P=1.0; g_N=1.0

F: Output Linearization (OL) data OE71/OE71L0NA.TXT /.PS in File (F)



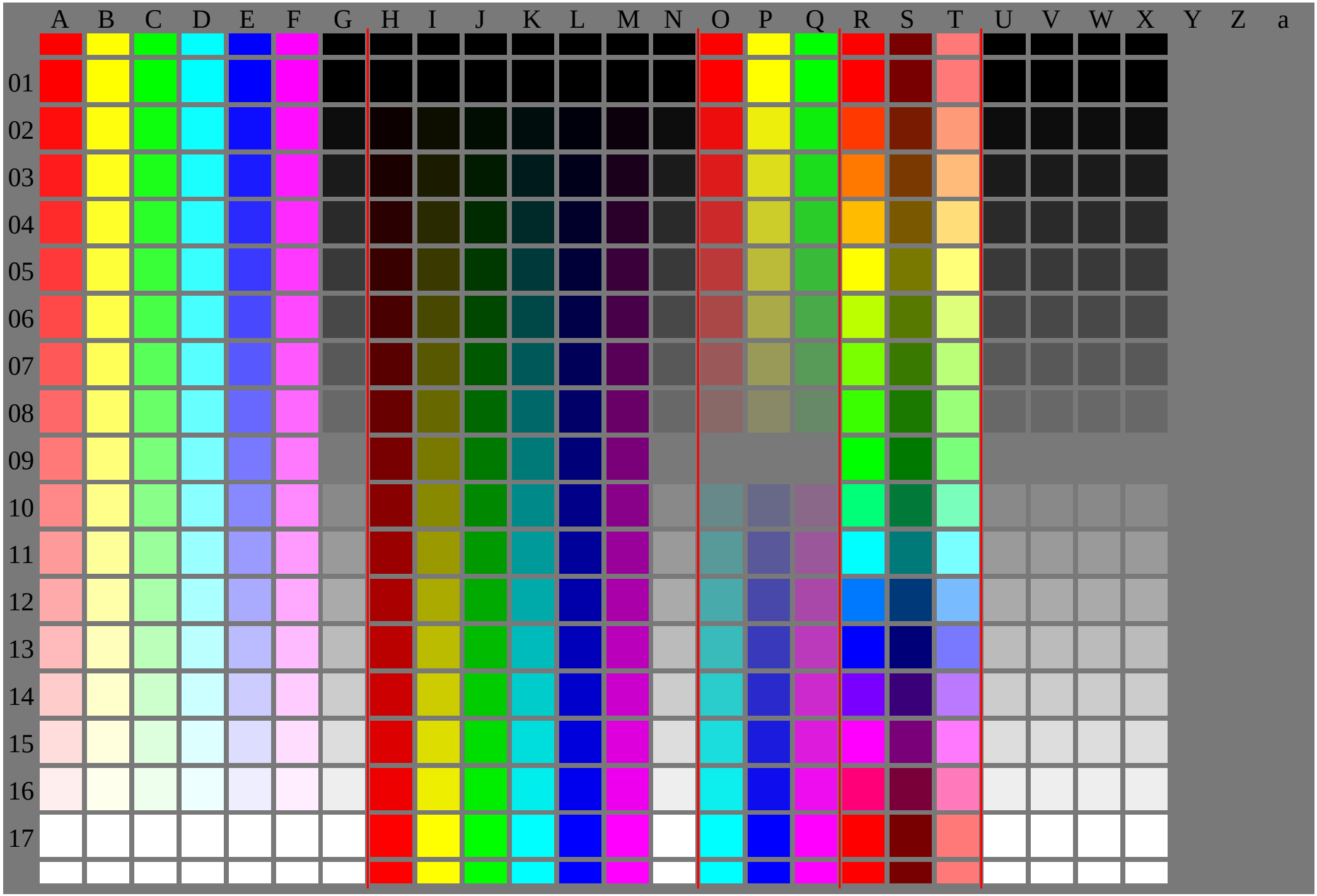
See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

OE710−7N-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

OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-0: g_P=1.0; g_N=1.08


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	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	0.05	10.49	0.0	0.0	-1.17	0.0	0.0	1.18
3	17.65	0.0	0.0	0.11	15.85	0.0	0.0	-1.79	0.0	0.0	1.8
4	23.63	0.0	0.0	0.18	21.44	0.0	0.0	-2.19	0.0	0.0	2.2
5	29.62	0.0	0.0	0.24	27.18	0.0	0.0	-2.42	0.0	0.0	2.43
6	35.6	0.0	0.0	0.3	33.05	0.0	0.0	-2.54	0.0	0.0	2.55
7	41.58	0.0	0.0	0.37	39.01	0.0	0.0	-2.56	0.0	0.0	2.57
8	47.56	0.0	0.0	0.44	45.05	0.0	0.0	-2.5	0.0	0.0	2.51
9	53.54	0.0	0.0	0.51	51.16	0.0	0.0	-2.37	0.0	0.0	2.38
10	59.52	0.0	0.0	0.58	57.34	0.0	0.0	-2.17	0.0	0.0	2.18
11	65.5	0.0	0.0	0.65	63.57	0.0	0.0	-1.92	0.0	0.0	1.93
12	71.48	0.0	0.0	0.72	69.85	0.0	0.0	-1.62	0.0	0.0	1.63
13	77.47	0.0	0.0	0.79	76.18	0.0	0.0	-1.28	0.0	0.0	1.29
14	83.45	0.0	0.0	0.86	82.55	0.0	0.0	-0.89	0.0	0.0	0.9
15	89.43	0.0	0.0	0.93	88.96	0.0	0.0	-0.46	0.0	0.0	0.47
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	0.22	25.74	0.0	0.0	-2.37	0.0	0.0	2.38
19	50.55	0.0	0.0	0.47	48.1	0.0	0.0	-2.44	0.0	0.0	2.45
20	72.98	0.0	0.0	0.73	71.43	0.0	0.0	-1.54	0.0	0.0	1.55
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

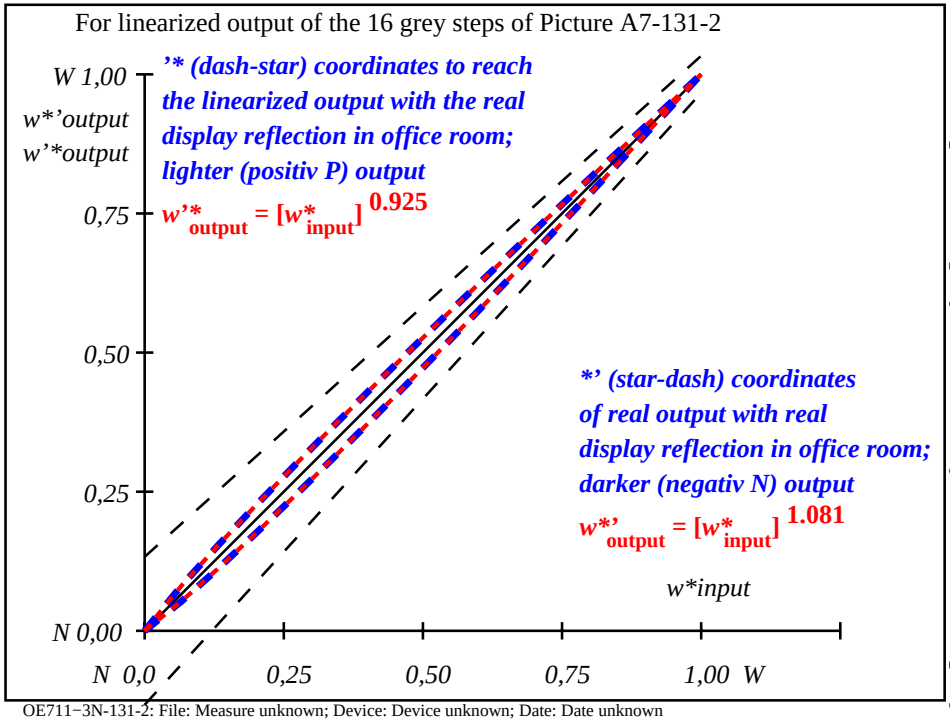
Mean lightness difference (16 steps)
ΔE^*_{CIELAB} = 1.6

Mean lightness difference (5 steps)
ΔL^*_{CIELAB} = 1.3

Mean colour reproduction index: $R^*_{ab,m}$ = 93

OE710−3N-131-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

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



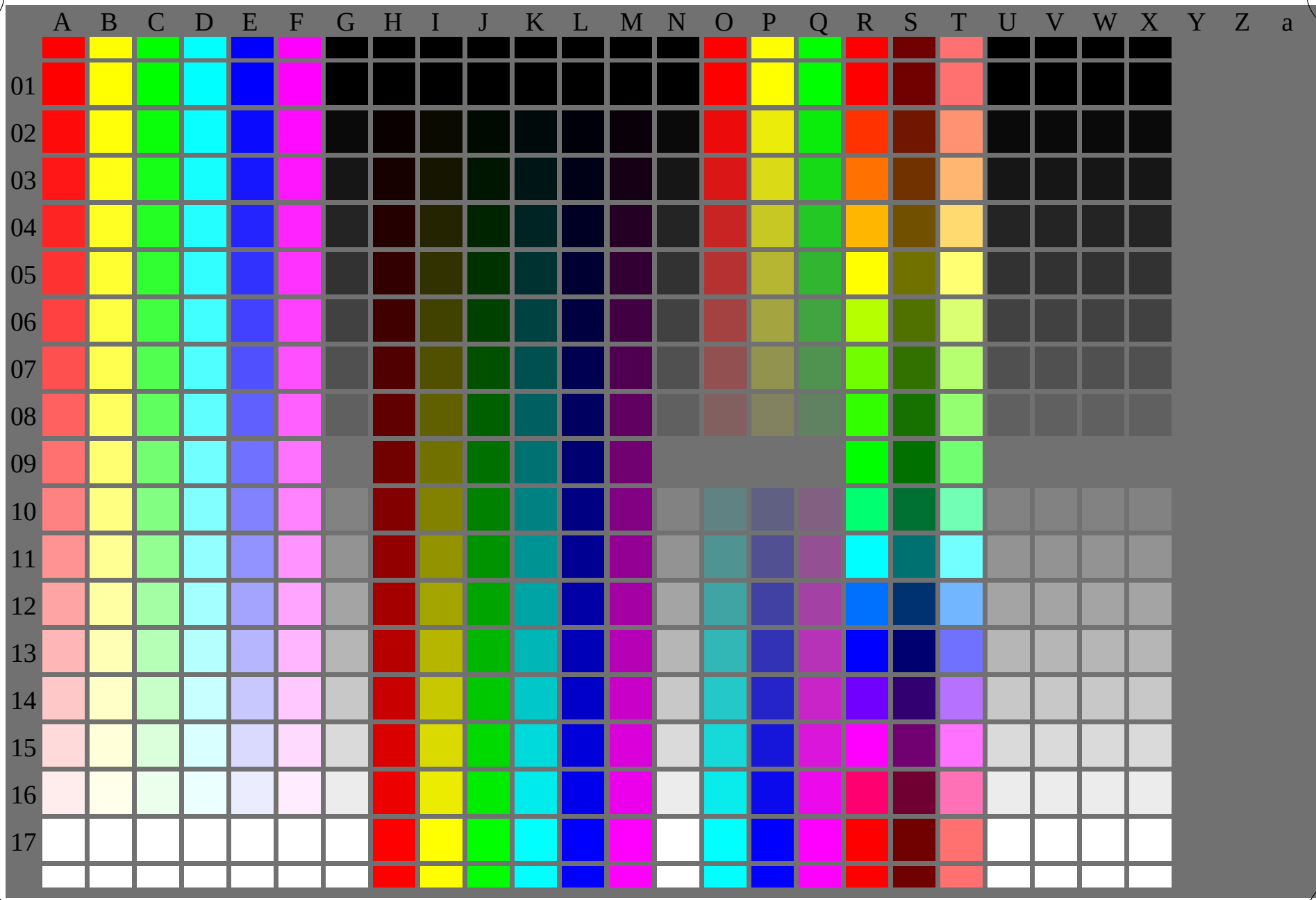
OE711−3N-131-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

$L^*/Y_{intended}$ (absolute)	5.7/0.6	11.7/1.4	17.7/2.4	23.6/4.0	29.6/6.1	35.6/8.8	41.6/12.2	47.6/16.5	53.5/21.5	59.5/27.6	65.5/34.7	71.5/42.9	77.5/52.3	83.4/63.0	89.4/75.1	95.4/88.6
w* w* w* setrgb g_N=1.08																
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	0.054	0.113	0.176	0.24	0.305	0.371	0.439	0.506	0.576	0.645	0.715	0.786	0.857	0.928	1.0

OE710−7N, Picture A7-131-2: 16 visual equidistant L^*-grey steps; PS operator: *w* w* w* setrgbcolor*

OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing Y contrast Y_W:Y_N=88,9:0,62; Y_N range 0,46 to <0,93

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-2: g_P=1.0; g_N=1.08



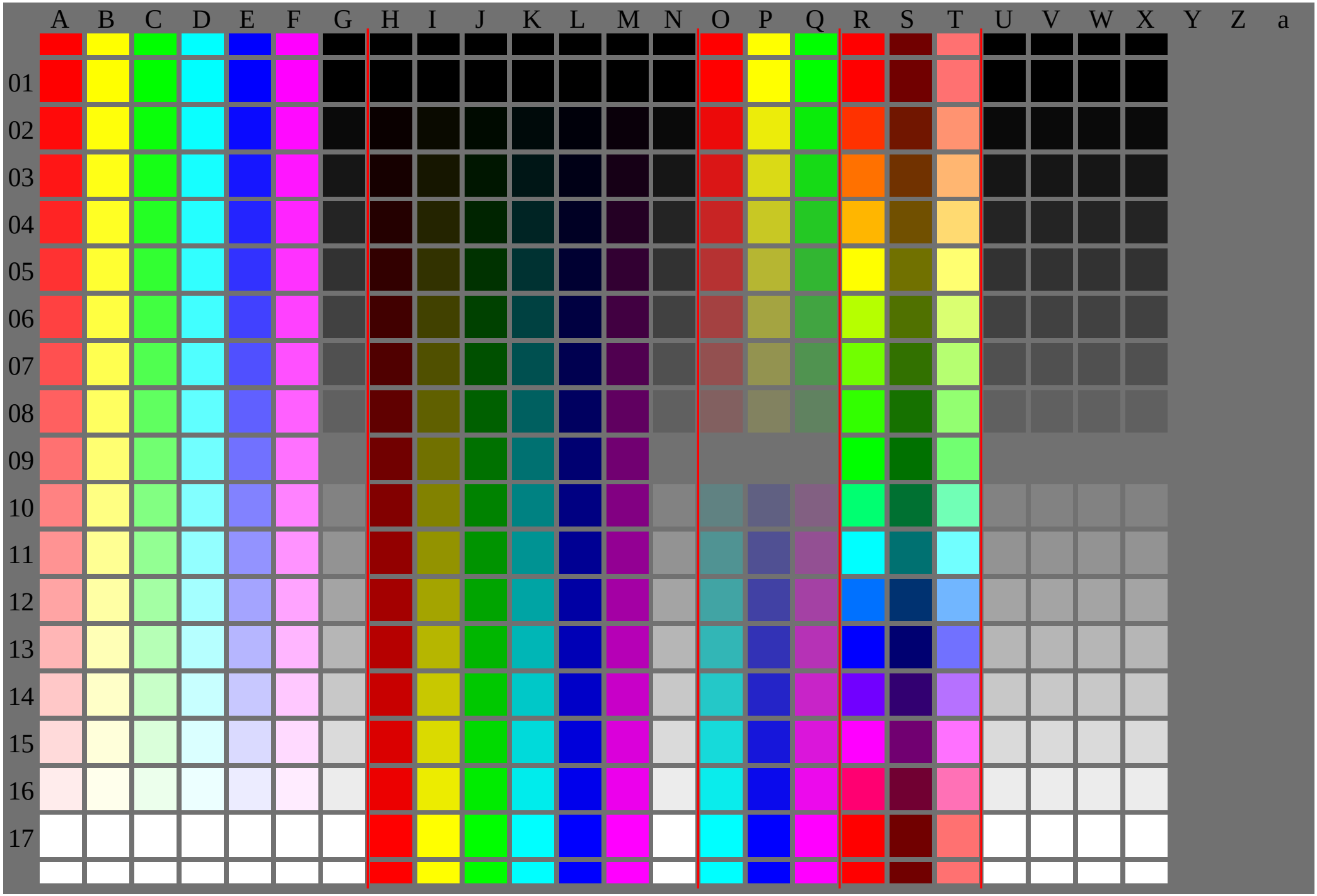
See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

OE710−7N-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

OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-0: g_P=1.0; g_N=1.17


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	0.04	14.48	0.0	0.0	-2.13	0.0	0.0	2.14
3	22.25	0.0	0.0	0.09	18.88	0.0	0.0	-3.36	0.0	0.0	3.37
4	27.88	0.0	0.0	0.15	23.7	0.0	0.0	-4.16	0.0	0.0	4.17
5	33.5	0.0	0.0	0.21	28.82	0.0	0.0	-4.67	0.0	0.0	4.68
6	39.13	0.0	0.0	0.27	34.17	0.0	0.0	-4.95	0.0	0.0	4.96
7	44.76	0.0	0.0	0.34	39.72	0.0	0.0	-5.03	0.0	0.0	5.04
8	50.39	0.0	0.0	0.41	45.43	0.0	0.0	-4.95	0.0	0.0	4.96
9	56.02	0.0	0.0	0.48	51.29	0.0	0.0	-4.72	0.0	0.0	4.73
10	61.64	0.0	0.0	0.55	57.28	0.0	0.0	-4.36	0.0	0.0	4.37
11	67.27	0.0	0.0	0.62	63.38	0.0	0.0	-3.88	0.0	0.0	3.89
12	72.9	0.0	0.0	0.69	69.6	0.0	0.0	-3.29	0.0	0.0	3.3
13	78.53	0.0	0.0	0.77	75.92	0.0	0.0	-2.6	0.0	0.0	2.61
14	84.15	0.0	0.0	0.85	82.33	0.0	0.0	-1.81	0.0	0.0	1.82
15	89.78	0.0	0.0	0.92	88.83	0.0	0.0	-0.94	0.0	0.0	0.95
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	0.2	27.52	0.0	0.0	-4.57	0.0	0.0	4.58
19	53.2	0.0	0.0	0.44	48.34	0.0	0.0	-4.85	0.0	0.0	4.86
20	74.31	0.0	0.0	0.71	71.17	0.0	0.0	-3.12	0.0	0.0	3.13
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

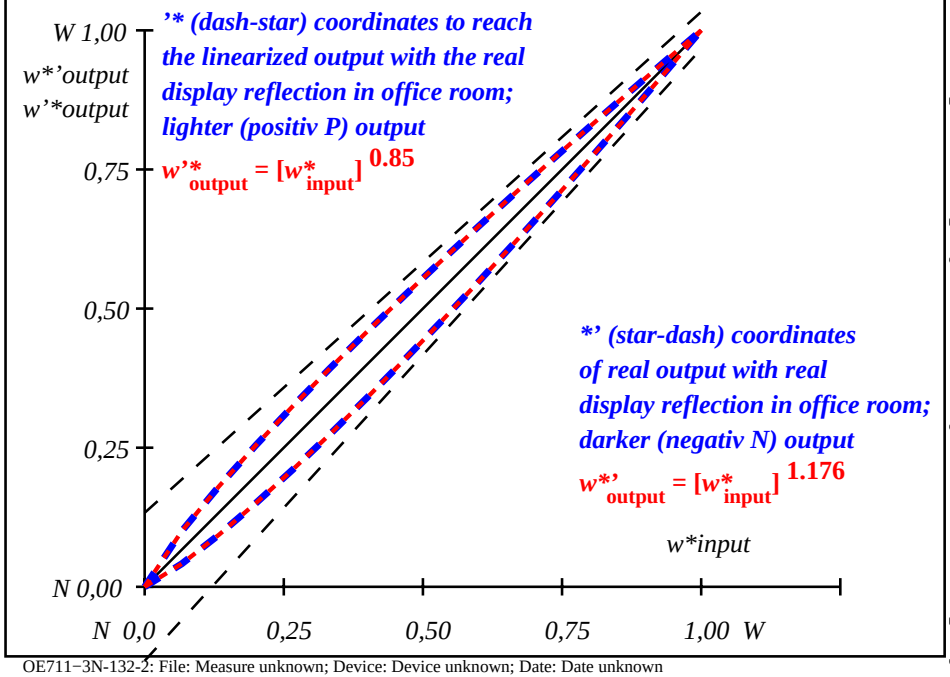
Mean lightness difference (16 steps)
ΔE^*_{CIELAB} = **3.2**

Mean lightness difference (5 steps)
ΔL^*_{CIELAB} = **2.5**

Mean colour reproduction index: $R^*_{ab,m}$ = **86**

OE710−3N-132-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

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



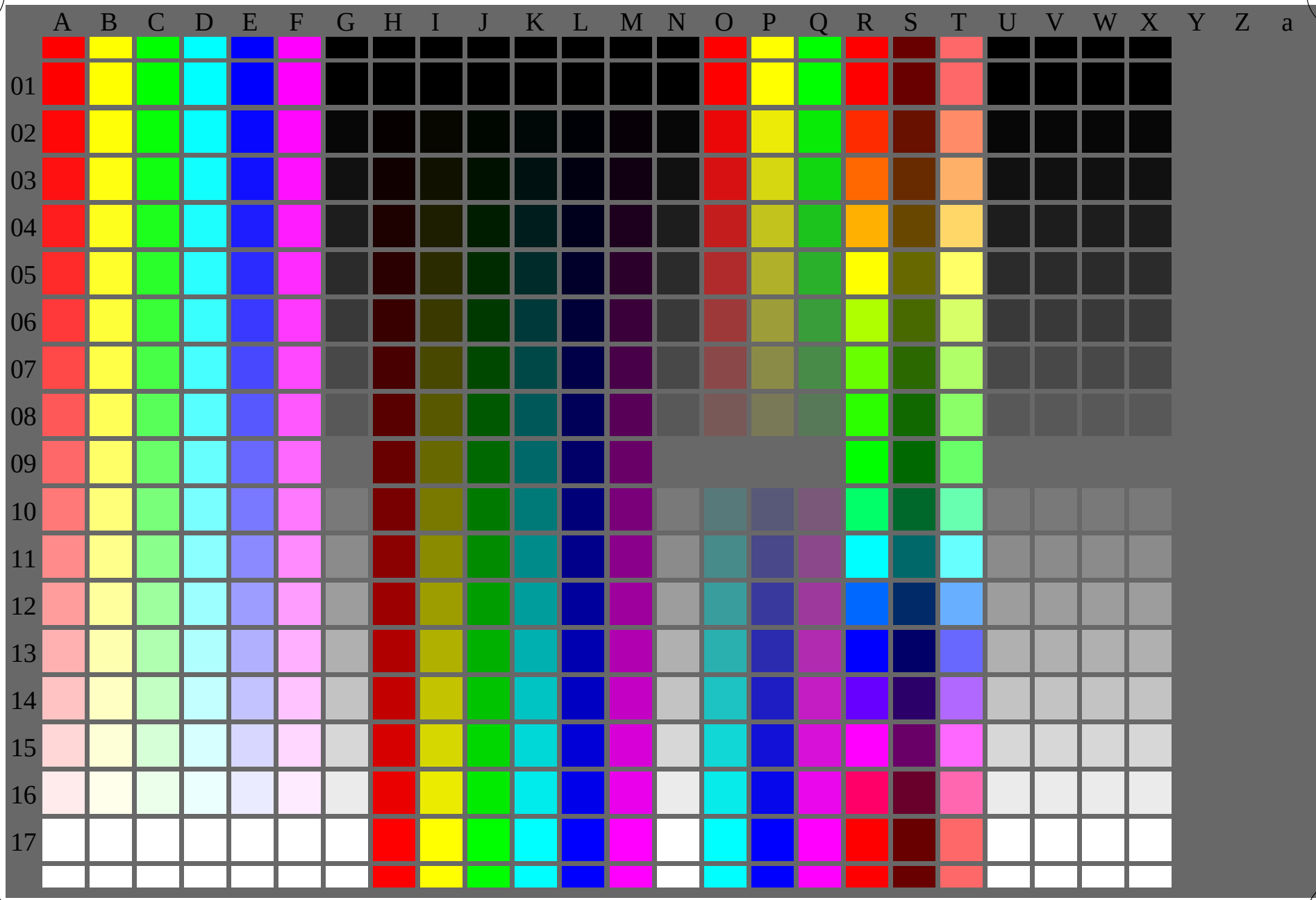
OE711−3N-132-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

$L^*/Y_{intended}$ (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_N=1.18																
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	0.042	0.093	0.151	0.211	0.274	0.34	0.408	0.477	0.548	0.621	0.694	0.769	0.845	0.922	1.0

OE710−7N, Picture A7-132-2: 16 visual equidistant *L**-grey steps; PS operator: *w* w* w* setrgbcolor*

OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing *Y* contrast Y_W:Y_N=88,9:1,25; Y_N range 0,93 to <1,87

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-2: g_P=1.0; g_N=1.17



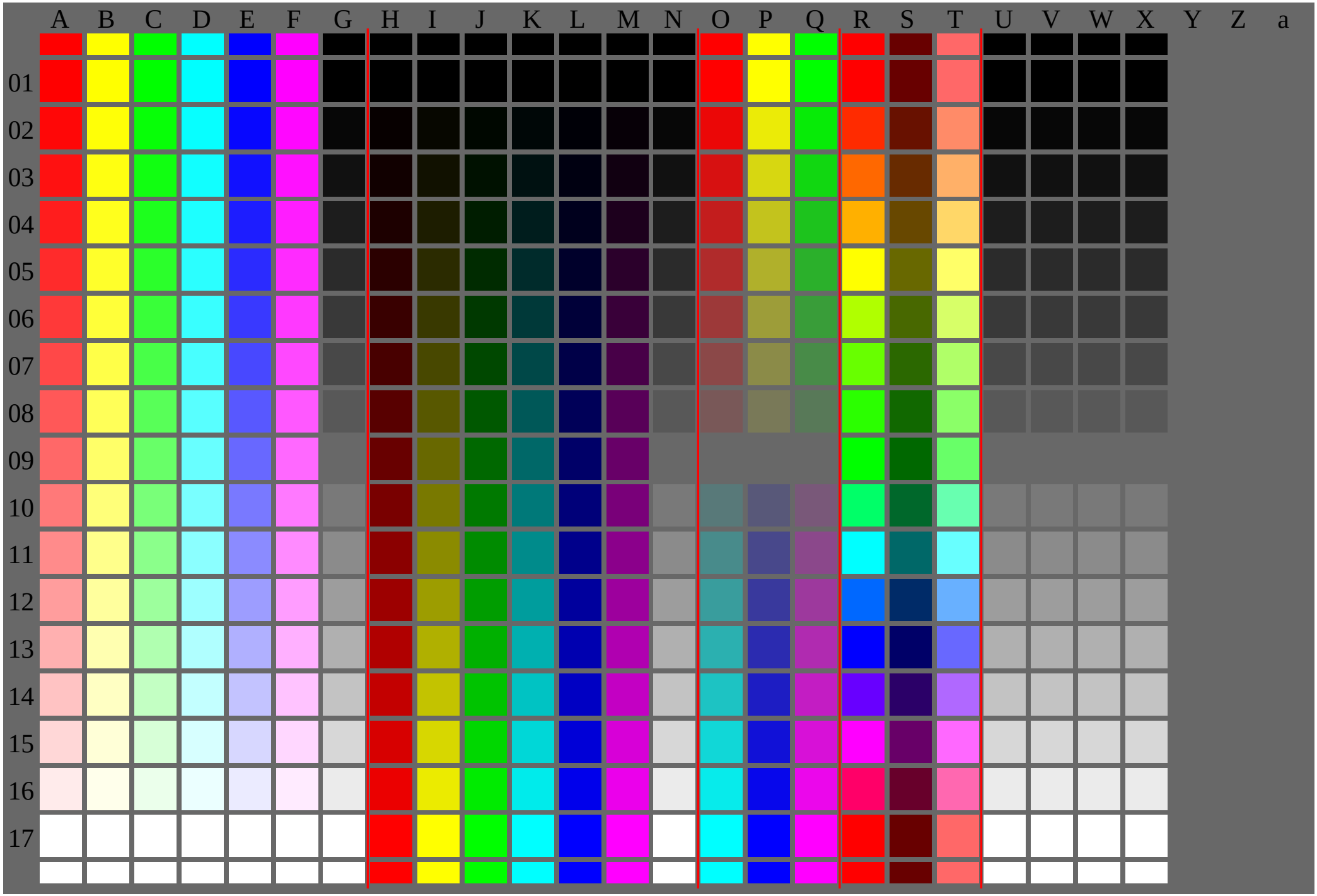
See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

OE710−7N-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

OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-0: g_P=1.0; g_N=1.29


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	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	0.03	20.36	0.0	0.0	-2.8	0.0	0.0	2.81
3	28.33	0.0	0.0	0.07	23.76	0.0	0.0	-4.56	0.0	0.0	4.57
4	33.49	0.0	0.0	0.13	27.71	0.0	0.0	-5.77	0.0	0.0	5.78
5	38.65	0.0	0.0	0.18	32.07	0.0	0.0	-6.57	0.0	0.0	6.58
6	43.81	0.0	0.0	0.24	36.76	0.0	0.0	-7.04	0.0	0.0	7.05
7	48.97	0.0	0.0	0.31	41.74	0.0	0.0	-7.22	0.0	0.0	7.23
8	54.13	0.0	0.0	0.37	46.96	0.0	0.0	-7.16	0.0	0.0	7.17
9	59.29	0.0	0.0	0.44	52.4	0.0	0.0	-6.88	0.0	0.0	6.89
10	64.45	0.0	0.0	0.52	58.05	0.0	0.0	-6.39	0.0	0.0	6.4
11	69.61	0.0	0.0	0.59	63.88	0.0	0.0	-5.72	0.0	0.0	5.73
12	74.77	0.0	0.0	0.67	69.88	0.0	0.0	-4.88	0.0	0.0	4.89
13	79.93	0.0	0.0	0.75	76.05	0.0	0.0	-3.87	0.0	0.0	3.88
14	85.09	0.0	0.0	0.83	82.36	0.0	0.0	-2.72	0.0	0.0	2.73
15	90.25	0.0	0.0	0.91	88.82	0.0	0.0	-1.42	0.0	0.0	1.43
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	0.17	30.95	0.0	0.0	-6.4	0.0	0.0	6.41
19	56.71	0.0	0.0	0.41	49.66	0.0	0.0	-7.04	0.0	0.0	7.05
20	76.06	0.0	0.0	0.69	71.41	0.0	0.0	-4.64	0.0	0.0	4.65
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

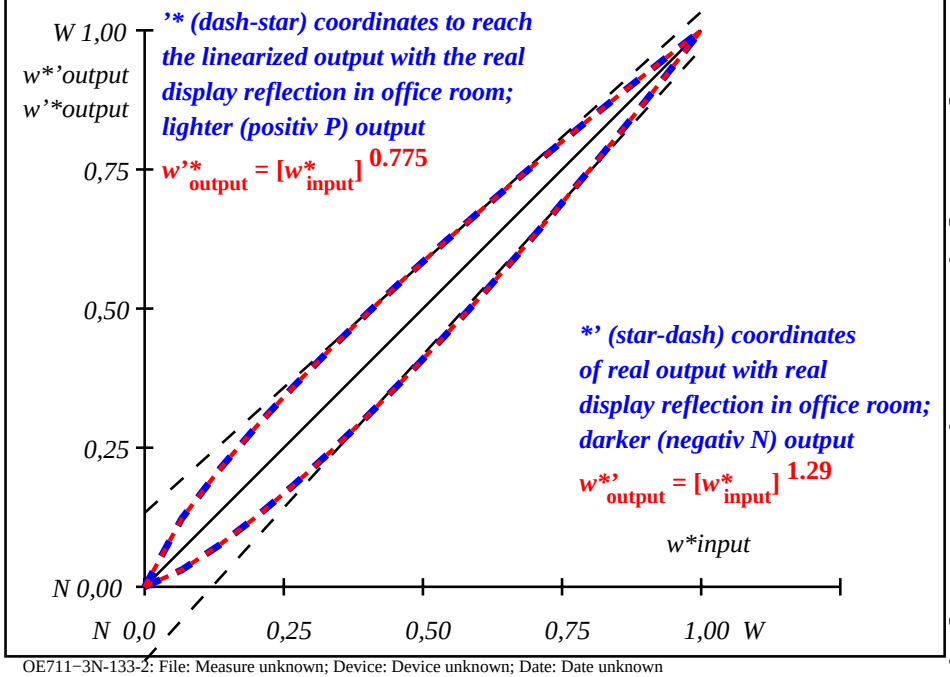
Mean lightness difference (16 steps)
ΔE^*_{CIELAB} = **4.6**

Mean lightness difference (5 steps)
ΔL^*_{CIELAB} = **3.6**

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

OE710−3N-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

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



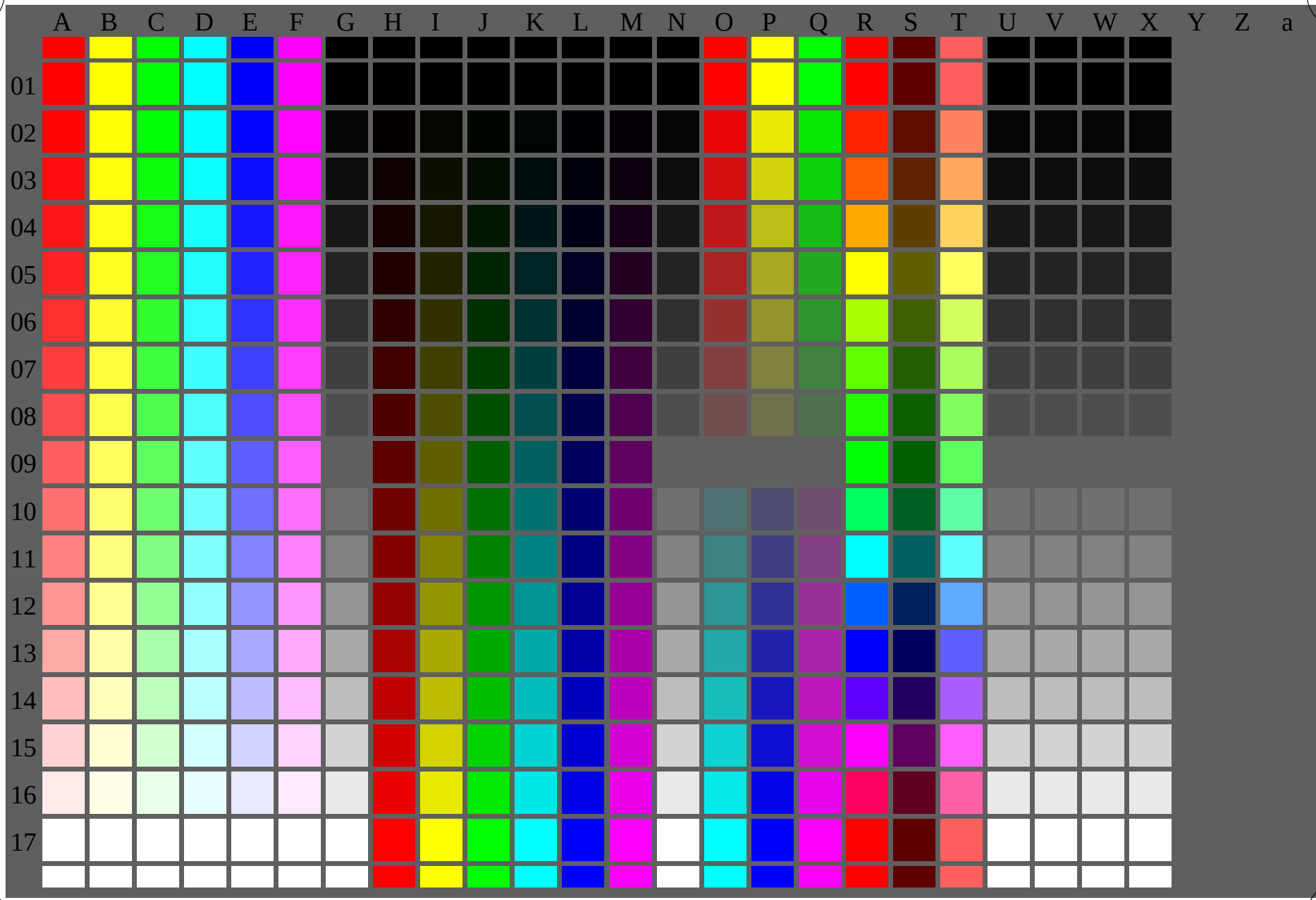
OE711−3N-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

$L^*/Y_{intended}$ (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_N=1.29																
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	0.031	0.074	0.125	0.182	0.242	0.307	0.374	0.444	0.517	0.593	0.67	0.75	0.832	0.914	1.0

OE710−7N, Picture A7-133-2: 16 visual equidistant L^*-grey steps; PS operator: *w* w* w* setrgbcolor*

OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing Y contrast Y_W:Y_N=88,9:2,5; Y_N range 1,87 to <3,75

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-2: g_P=1.0; g_N=1.29



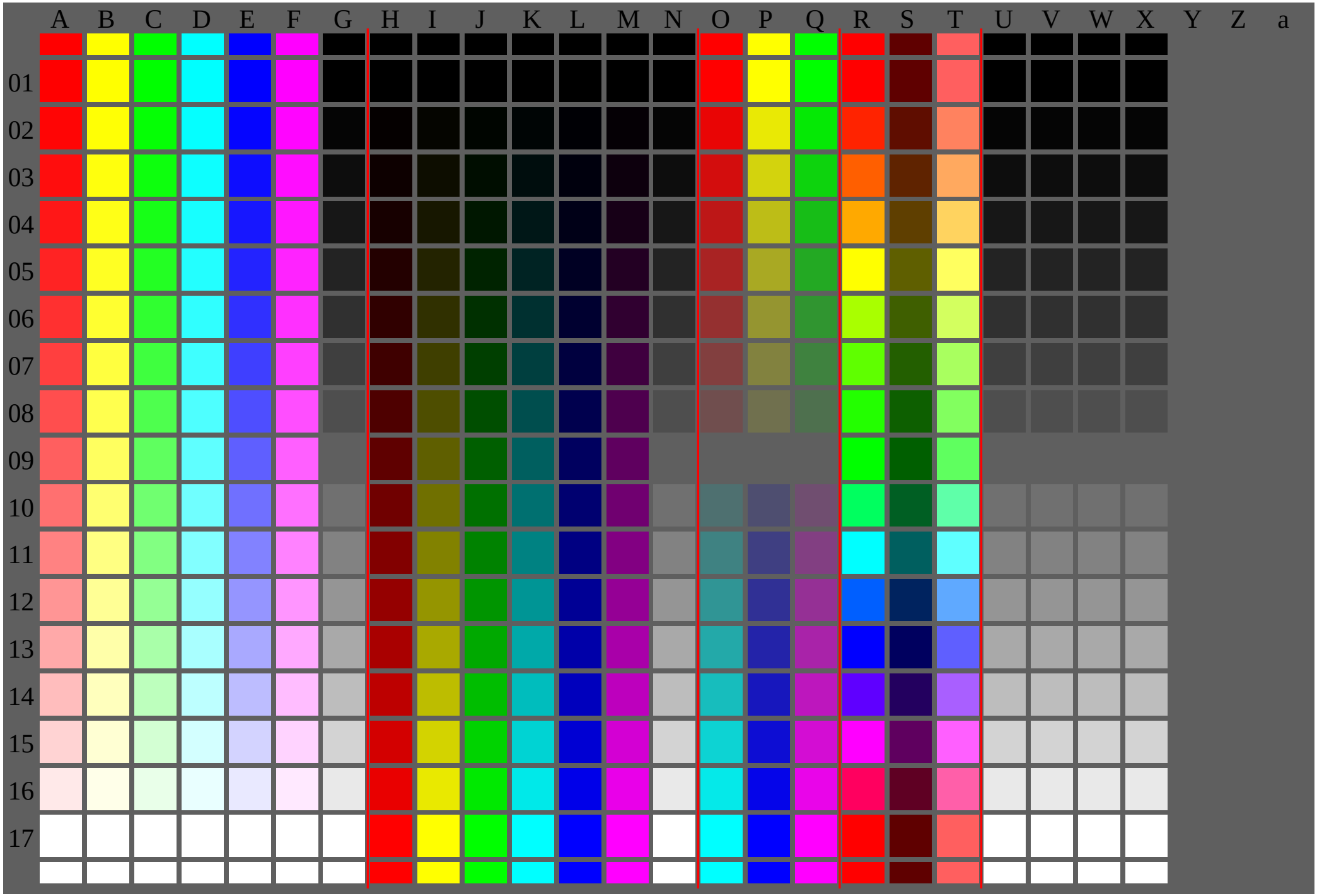
See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

OE710−7N-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

OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-0: g_P=1.0; g_N=1.42


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	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	0.02	28.28	0.0	0.0	-3.13	0.0	0.0	3.14
3	35.99	0.0	0.0	0.06	30.7	0.0	0.0	-5.28	0.0	0.0	5.29
4	40.56	0.0	0.0	0.1	33.73	0.0	0.0	-6.82	0.0	0.0	6.83
5	45.13	0.0	0.0	0.15	37.22	0.0	0.0	-7.9	0.0	0.0	7.91
6	49.7	0.0	0.0	0.21	41.12	0.0	0.0	-8.57	0.0	0.0	8.58
7	54.27	0.0	0.0	0.27	45.37	0.0	0.0	-8.9	0.0	0.0	8.91
8	58.84	0.0	0.0	0.34	49.93	0.0	0.0	-8.91	0.0	0.0	8.92
9	63.41	0.0	0.0	0.41	54.78	0.0	0.0	-8.63	0.0	0.0	8.64
10	67.99	0.0	0.0	0.48	59.9	0.0	0.0	-8.08	0.0	0.0	8.09
11	72.56	0.0	0.0	0.56	65.27	0.0	0.0	-7.28	0.0	0.0	7.29
12	77.13	0.0	0.0	0.64	70.87	0.0	0.0	-6.25	0.0	0.0	6.26
13	81.7	0.0	0.0	0.73	76.7	0.0	0.0	-4.99	0.0	0.0	5.0
14	86.27	0.0	0.0	0.82	82.73	0.0	0.0	-3.52	0.0	0.0	3.53
15	90.84	0.0	0.0	0.91	88.97	0.0	0.0	-1.85	0.0	0.0	1.86
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	0.14	36.31	0.0	0.0	-7.67	0.0	0.0	7.68
19	61.13	0.0	0.0	0.37	52.32	0.0	0.0	-8.8	0.0	0.0	8.81
20	78.27	0.0	0.0	0.66	72.31	0.0	0.0	-5.95	0.0	0.0	5.96
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

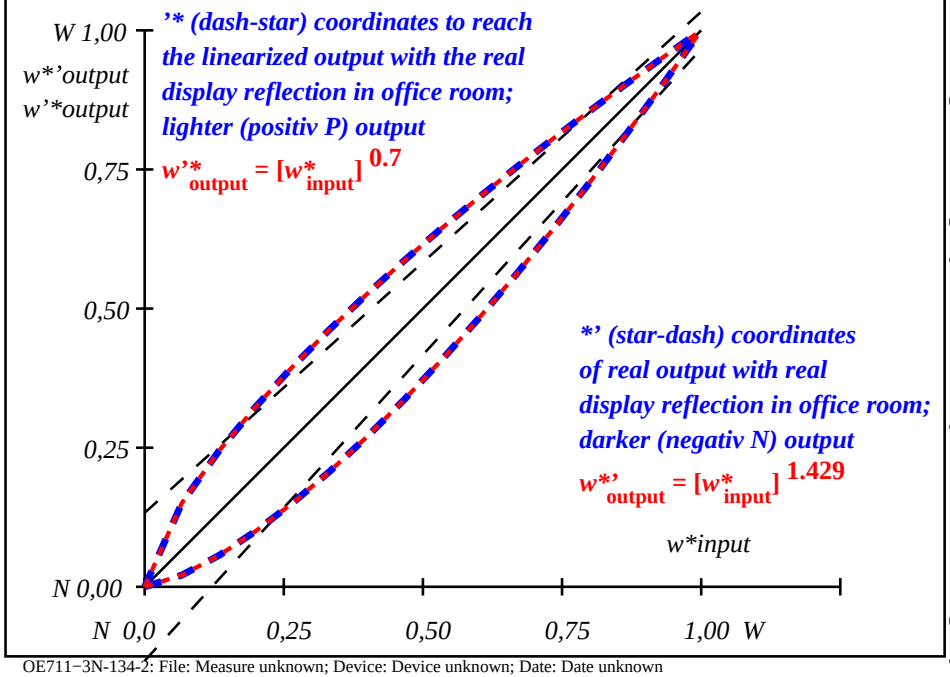
Mean lightness difference (16 steps)
ΔE^*_{CIELAB} = **5.6**

Mean lightness difference (5 steps)
ΔL^*_{CIELAB} = **4.5**

Mean colour reproduction index: $R^*_{ab,m}$ = **75**

OE710−3N-134-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

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



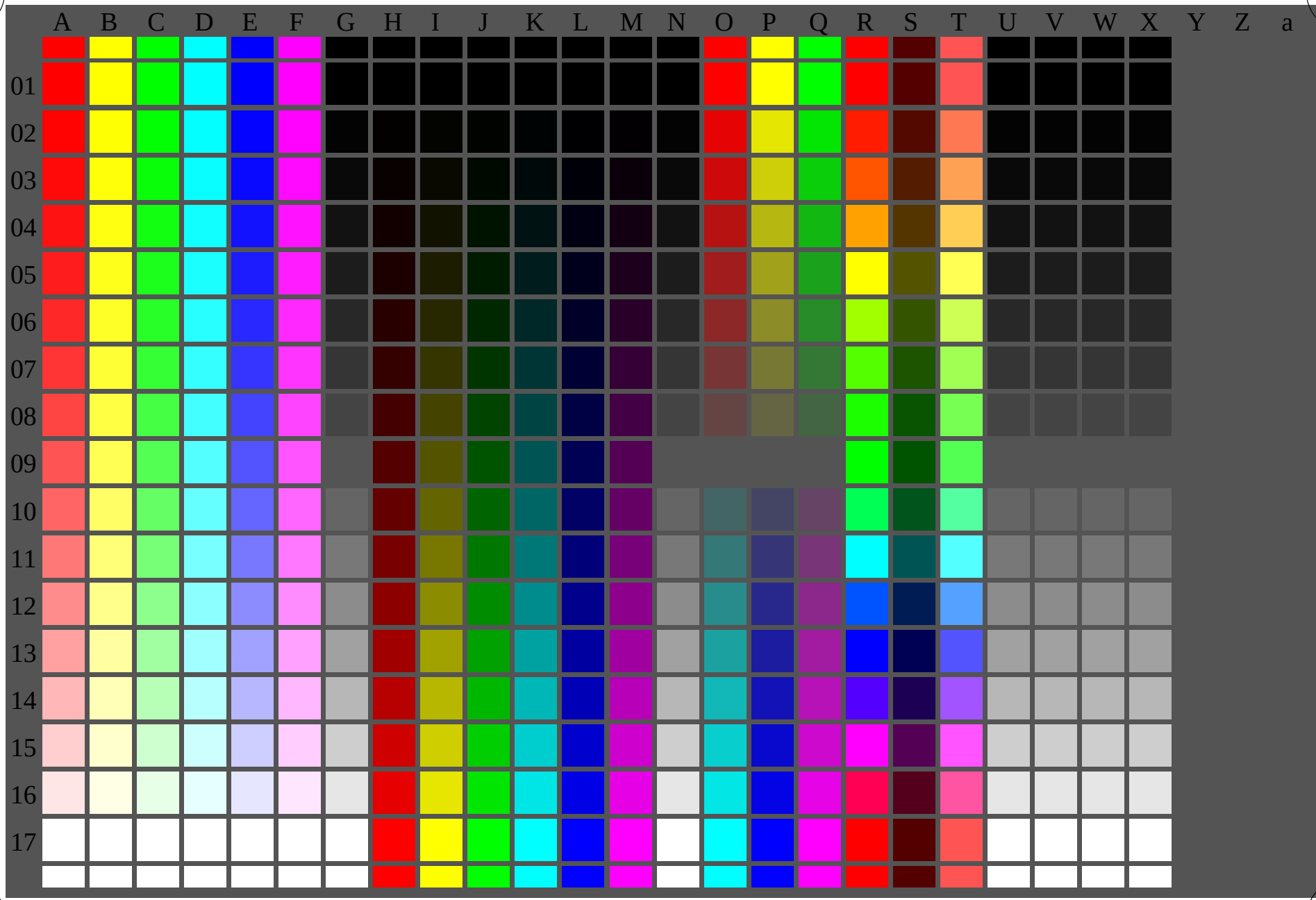
OE711−3N-134-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

$L^*/Y_{intended}$ (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_N=1.43																
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	0.021	0.056	0.1	0.152	0.208	0.27	0.337	0.407	0.482	0.561	0.642	0.727	0.816	0.906	1.0

OE710−7N, Picture A7-134-2: 16 visual equidistant *L**-grey steps; PS operator: *w* w* w* setrgbcolor*

OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing *Y* contrast Y_W:Y_N=88,9:5; Y_N range 3,75 to <7,5

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-2: g_P=1.0; g_N=1.42



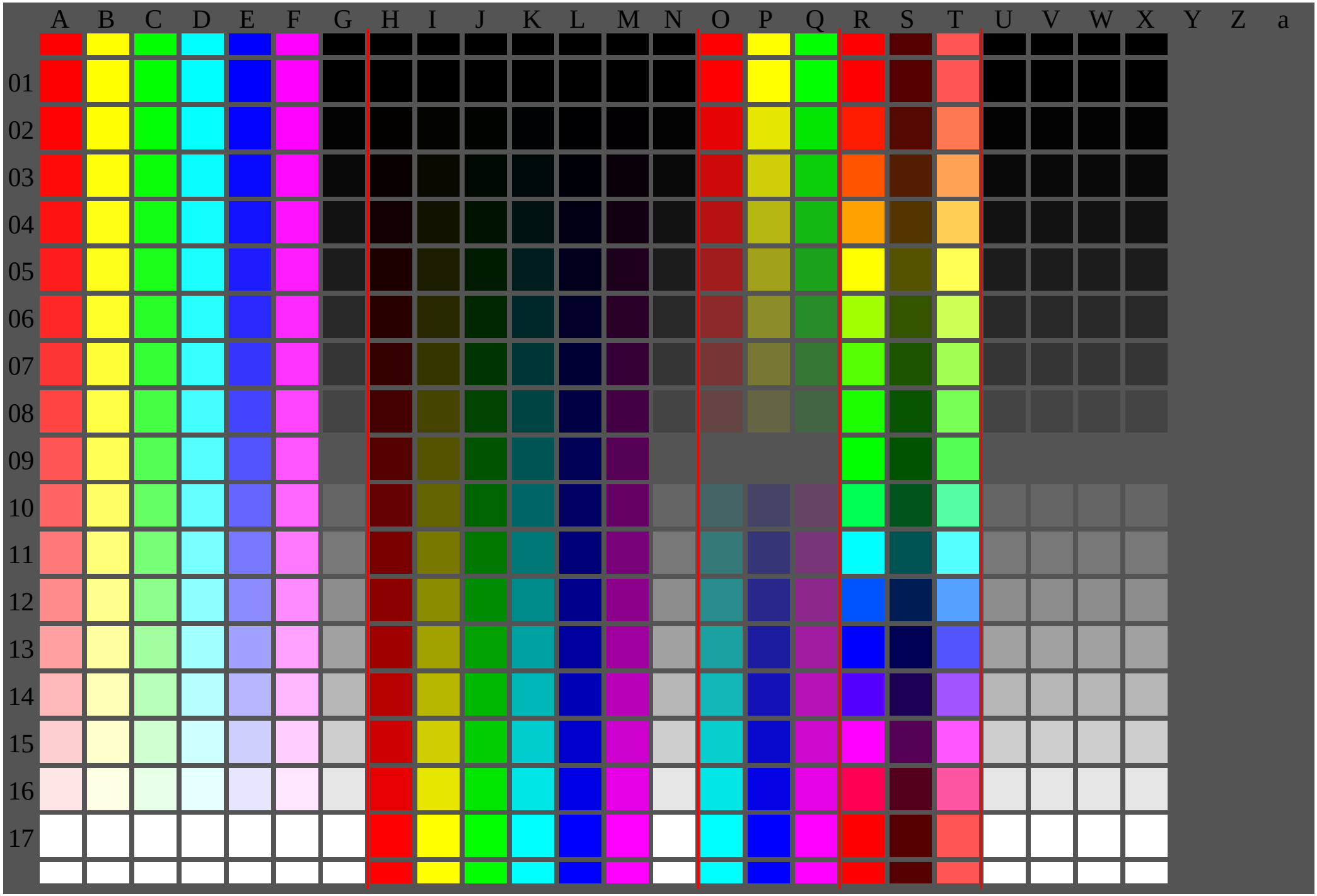
See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

OE710−7N-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

OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-0: g_P=1.0; g_N=1.6


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	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	0.01	38.74	0.0	0.0	-3.06	0.0	0.0	3.07
3	45.64	0.0	0.0	0.04	40.27	0.0	0.0	-5.36	0.0	0.0	5.37
4	49.47	0.0	0.0	0.08	42.36	0.0	0.0	-7.1	0.0	0.0	7.11
5	53.3	0.0	0.0	0.12	44.91	0.0	0.0	-8.37	0.0	0.0	8.38
6	57.13	0.0	0.0	0.17	47.89	0.0	0.0	-9.23	0.0	0.0	9.24
7	60.96	0.0	0.0	0.23	51.24	0.0	0.0	-9.7	0.0	0.0	9.71
8	64.78	0.0	0.0	0.3	54.95	0.0	0.0	-9.82	0.0	0.0	9.83
9	68.61	0.0	0.0	0.37	58.99	0.0	0.0	-9.61	0.0	0.0	9.62
10	72.44	0.0	0.0	0.44	63.34	0.0	0.0	-9.09	0.0	0.0	9.1
11	76.27	0.0	0.0	0.52	68.0	0.0	0.0	-8.26	0.0	0.0	8.27
12	80.1	0.0	0.0	0.61	72.95	0.0	0.0	-7.14	0.0	0.0	7.15
13	83.93	0.0	0.0	0.7	78.17	0.0	0.0	-5.75	0.0	0.0	5.76
14	87.75	0.0	0.0	0.8	83.66	0.0	0.0	-4.08	0.0	0.0	4.09
15	91.58	0.0	0.0	0.9	89.41	0.0	0.0	-2.16	0.0	0.0	2.17
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	0.11	44.23	0.0	0.0	-8.1	0.0	0.0	8.11
19	66.7	0.0	0.0	0.33	56.93	0.0	0.0	-9.76	0.0	0.0	9.77
20	81.05	0.0	0.0	0.63	74.23	0.0	0.0	-6.82	0.0	0.0	6.83
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

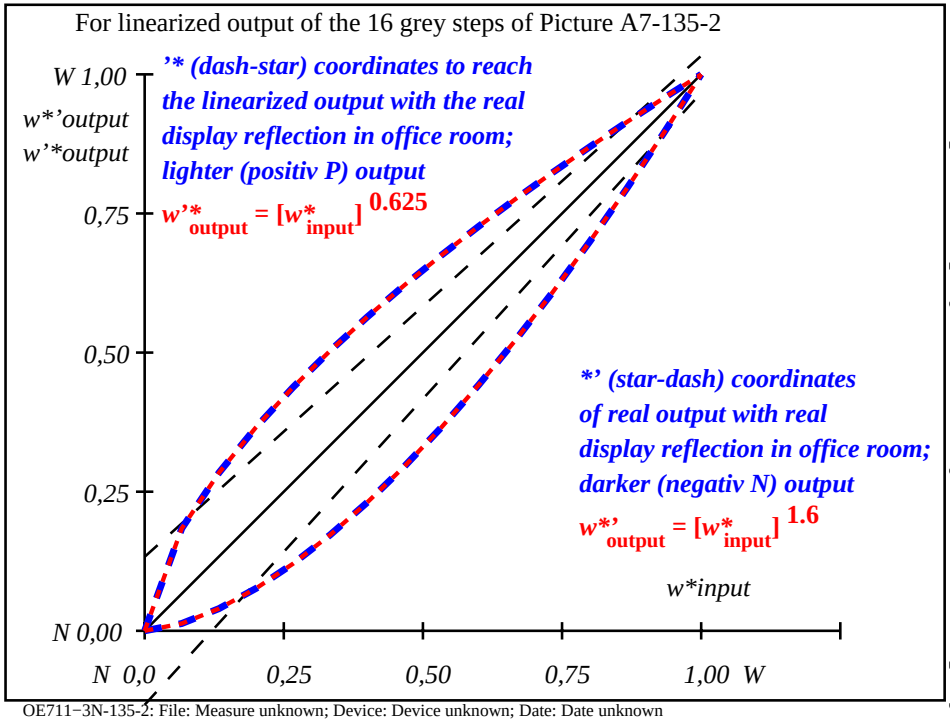
Mean lightness difference (16 steps)
ΔE^*_{CIELAB} = **6.2**

Mean lightness difference (5 steps)
ΔL^*_{CIELAB} = **4.9**

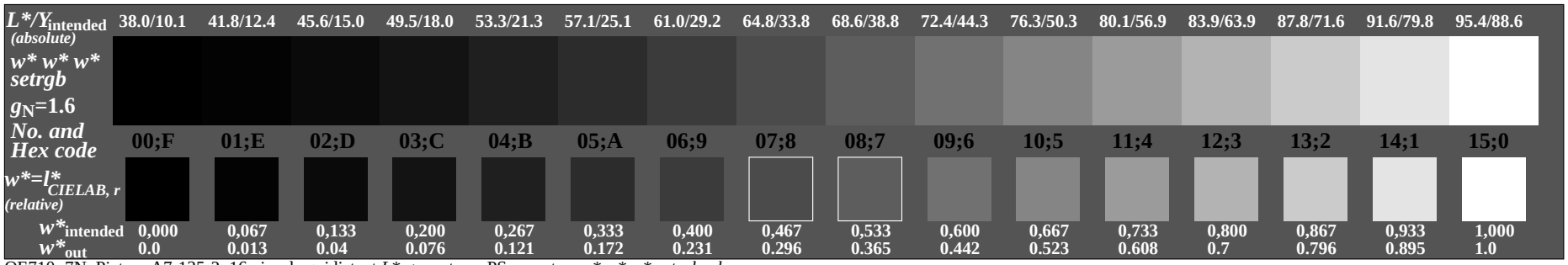
Mean colour reproduction index: $R^*_{ab,m}$ = **73**

OE710−3N-135-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

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



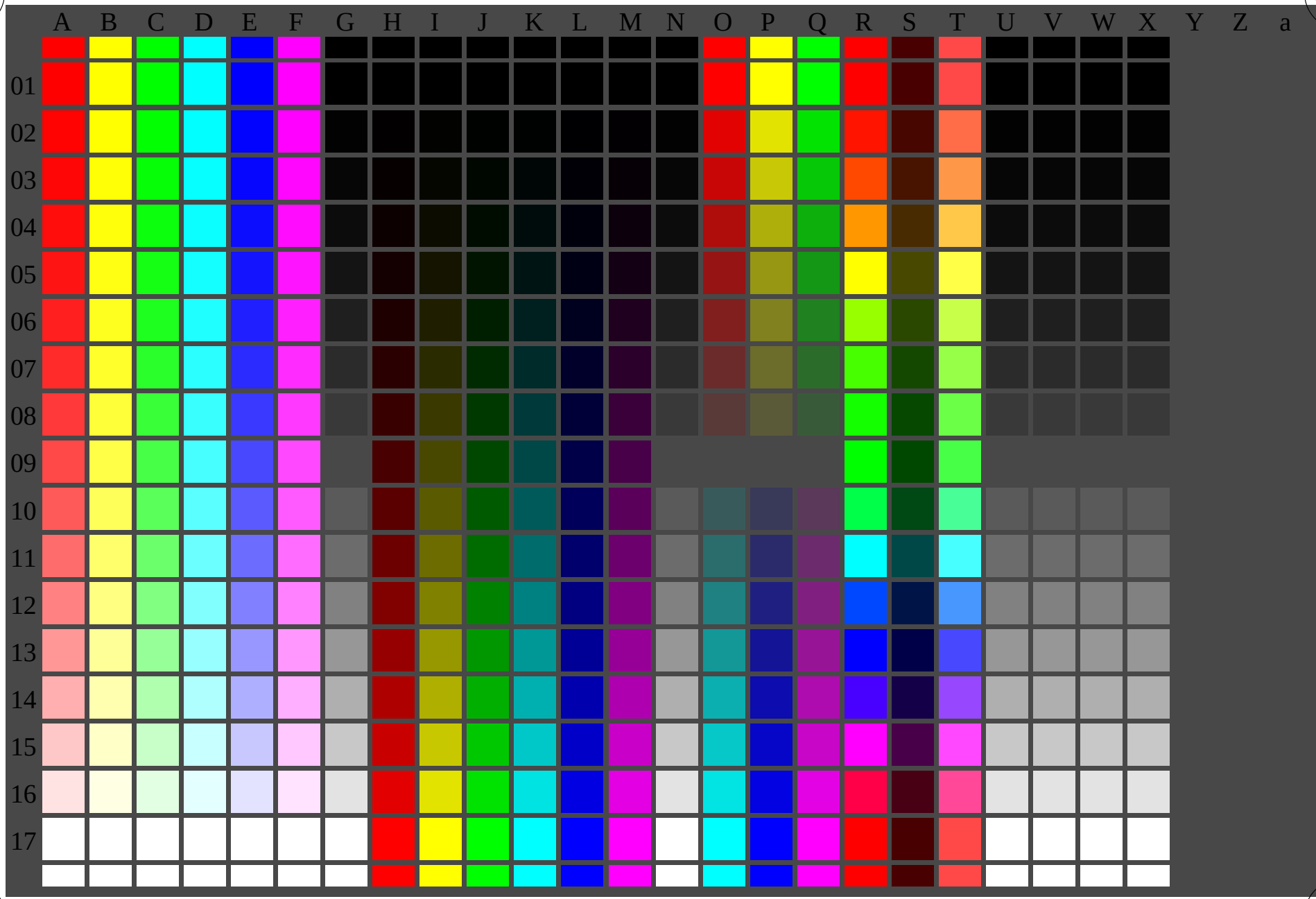
OE711−3N-135-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE710−7N, Picture A7-135-2: 16 visual equidistant *L**-grey steps; PS operator: *w* w* w* setrgbcolor*

OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing *Y* contrast Y_W:Y_N=88,9:10; Y_N range 7,5 to <15

input: *cmy0 (−>cmy0*d) setcmyk*
output 130-2: g_P=1.0; g_N=1.6



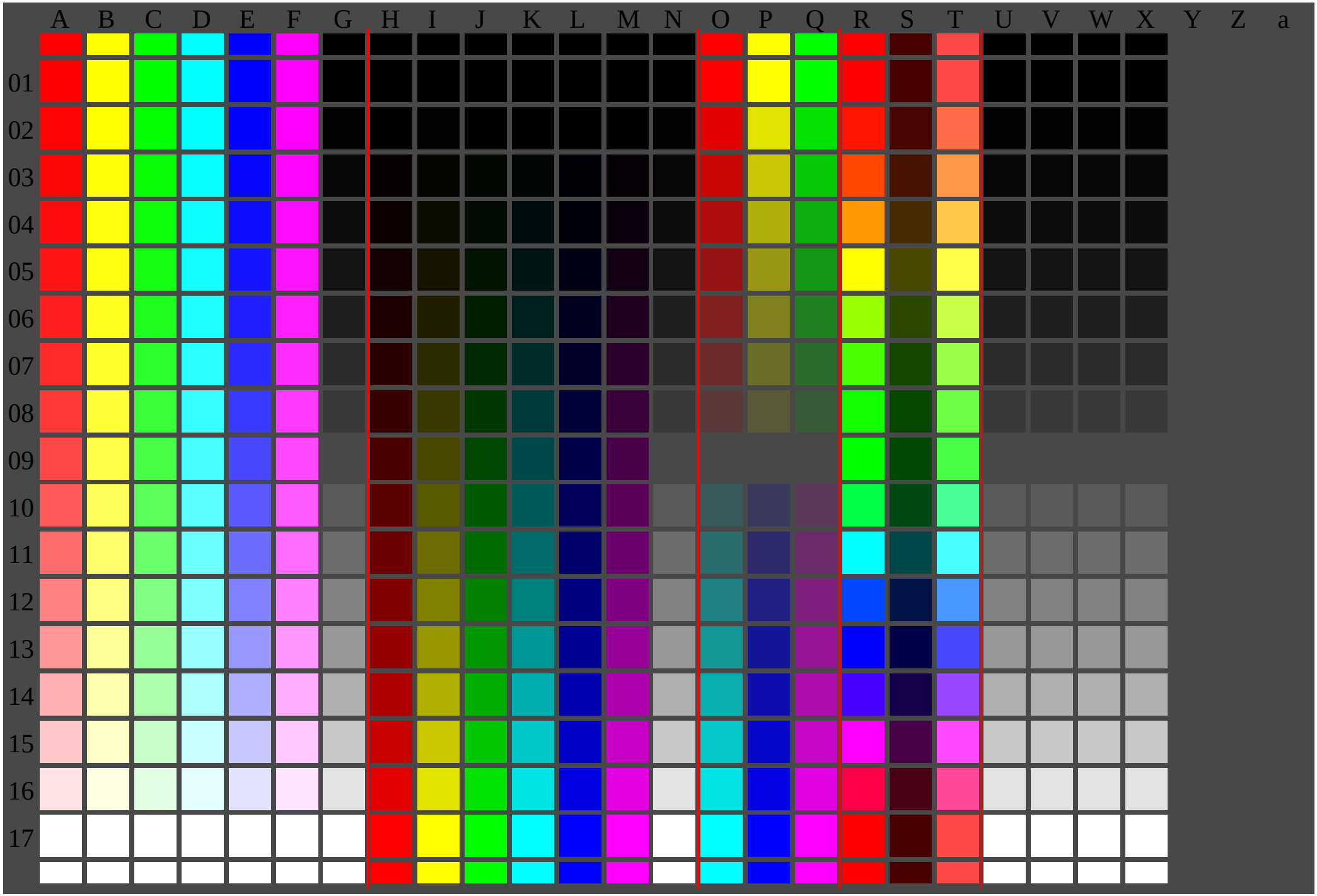
OE710−7N-136-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-0: g_P=1.0; g_N=1.81

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-OE71/OE71L0NA.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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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	0.01	52.33	0.0	0.0	-2.57	0.0	0.0	2.58
3	57.8	0.0	0.0	0.03	53.13	0.0	0.0	-4.66	0.0	0.0	4.67
4	60.7	0.0	0.0	0.05	54.34	0.0	0.0	-6.34	0.0	0.0	6.35
5	63.59	0.0	0.0	0.09	55.94	0.0	0.0	-7.64	0.0	0.0	7.65
6	66.48	0.0	0.0	0.14	57.9	0.0	0.0	-8.57	0.0	0.0	8.58
7	69.37	0.0	0.0	0.19	60.22	0.0	0.0	-9.15	0.0	0.0	9.16
8	72.27	0.0	0.0	0.25	62.87	0.0	0.0	-9.39	0.0	0.0	9.4
9	75.16	0.0	0.0	0.32	65.85	0.0	0.0	-9.3	0.0	0.0	9.31
10	78.05	0.0	0.0	0.4	69.16	0.0	0.0	-8.88	0.0	0.0	8.89
11	80.95	0.0	0.0	0.48	72.78	0.0	0.0	-8.16	0.0	0.0	8.17
12	83.84	0.0	0.0	0.57	76.71	0.0	0.0	-7.12	0.0	0.0	7.13
13	86.73	0.0	0.0	0.67	80.94	0.0	0.0	-5.78	0.0	0.0	5.79
14	89.62	0.0	0.0	0.77	85.47	0.0	0.0	-4.15	0.0	0.0	4.16
15	92.52	0.0	0.0	0.88	90.29	0.0	0.0	-2.21	0.0	0.0	2.22
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	0.08	55.51	0.0	0.0	-7.35	0.0	0.0	7.36
19	73.71	0.0	0.0	0.28	64.32	0.0	0.0	-9.38	0.0	0.0	9.39
20	84.56	0.0	0.0	0.59	77.74	0.0	0.0	-6.82	0.0	0.0	6.83
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

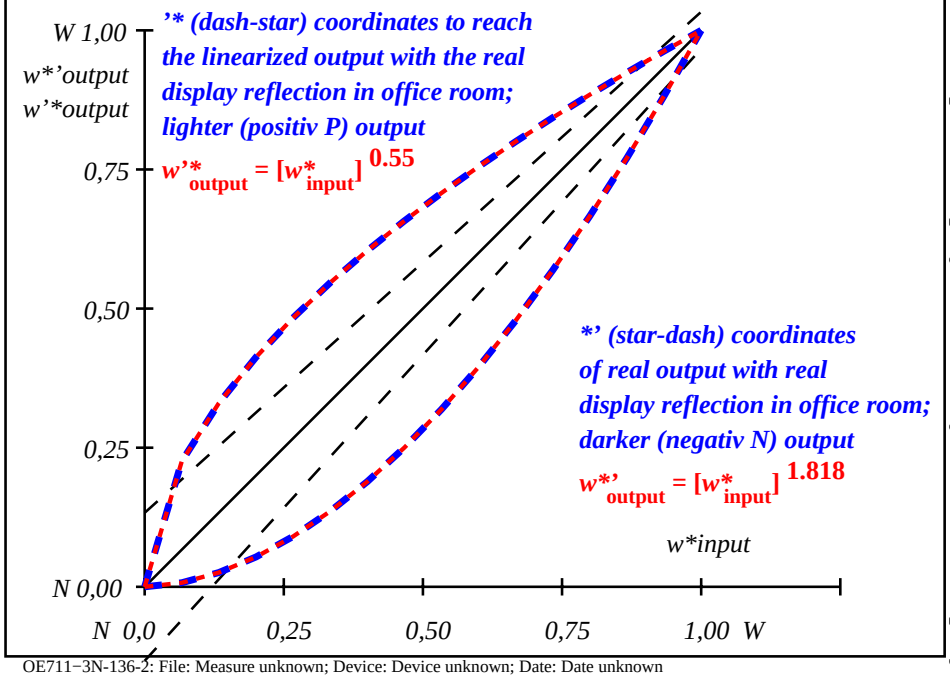
Mean lightness difference (16 steps)
ΔE^*_{CIELAB} = **5.9**

Mean lightness difference (5 steps)
ΔL^*_{CIELAB} = **4.7**

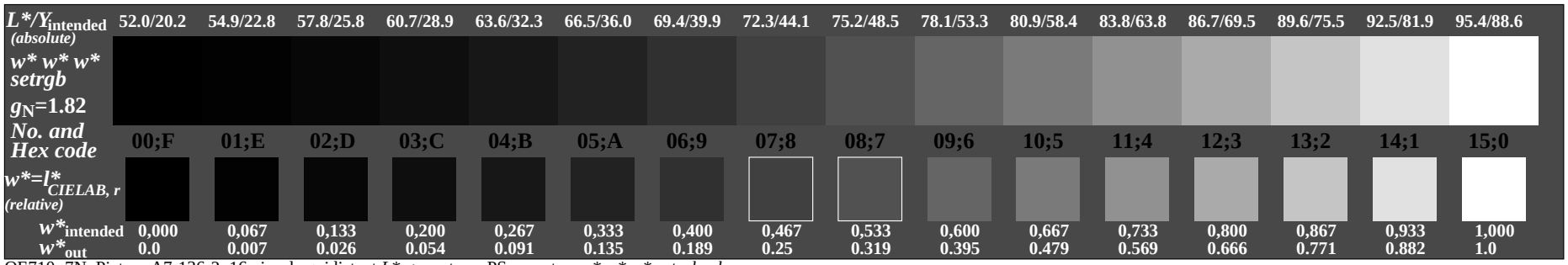
Mean colour reproduction index: $R^*_{ab,m}$ = **74**

OE710−3N-136-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

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



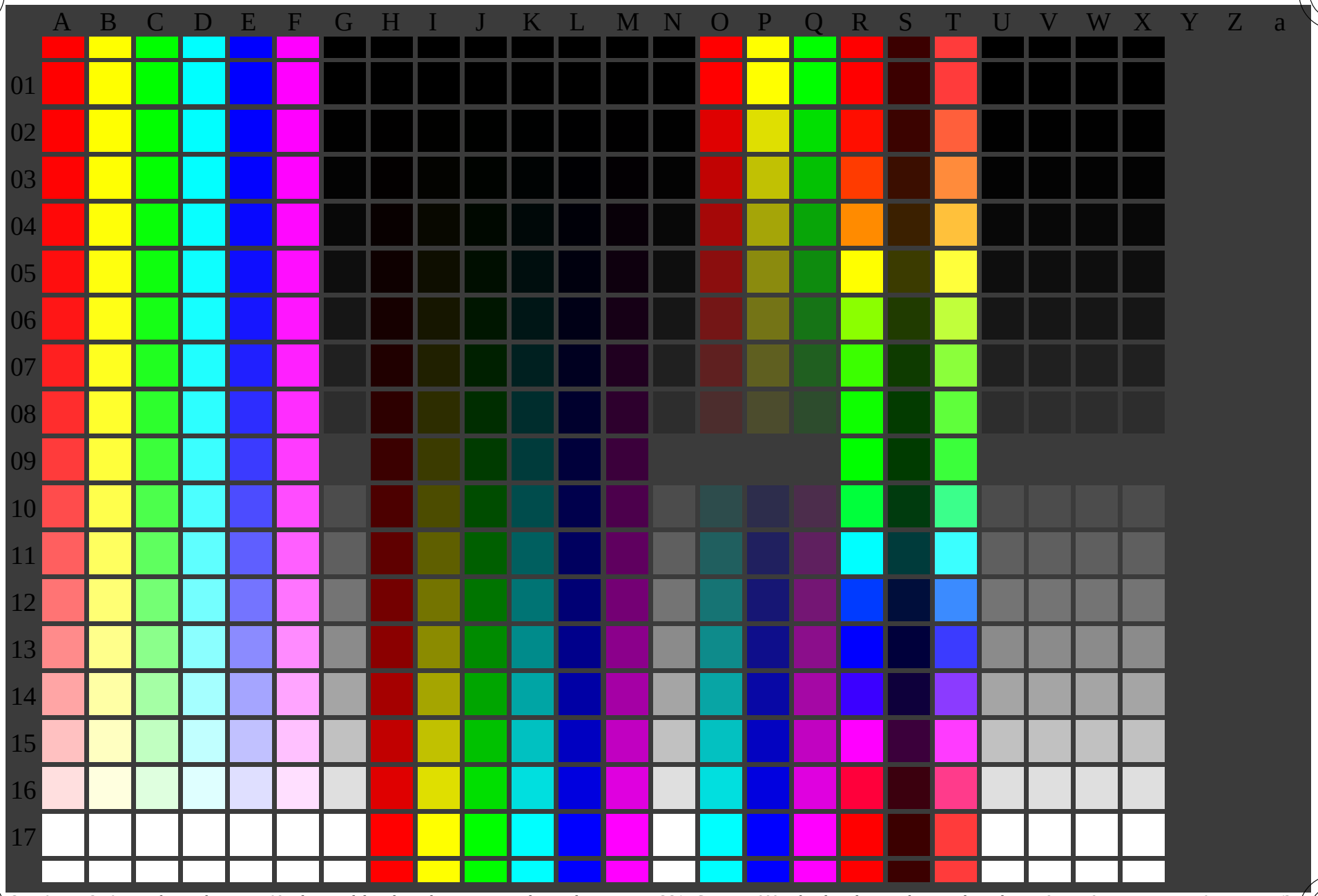
OE711−3N-136-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE710−7N, Picture A7-136-2: 16 visual equidistant *L**-grey steps; PS operator: *w* w* w* setrgbcolor*

OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing *Y* contrast Y_W:Y_N=88,9:20; Y_N range 15 to <30

input: *cmy0 (−>cmy0*d) setcmyk*
output 130-2: g_P=1.0; g_N=1.81



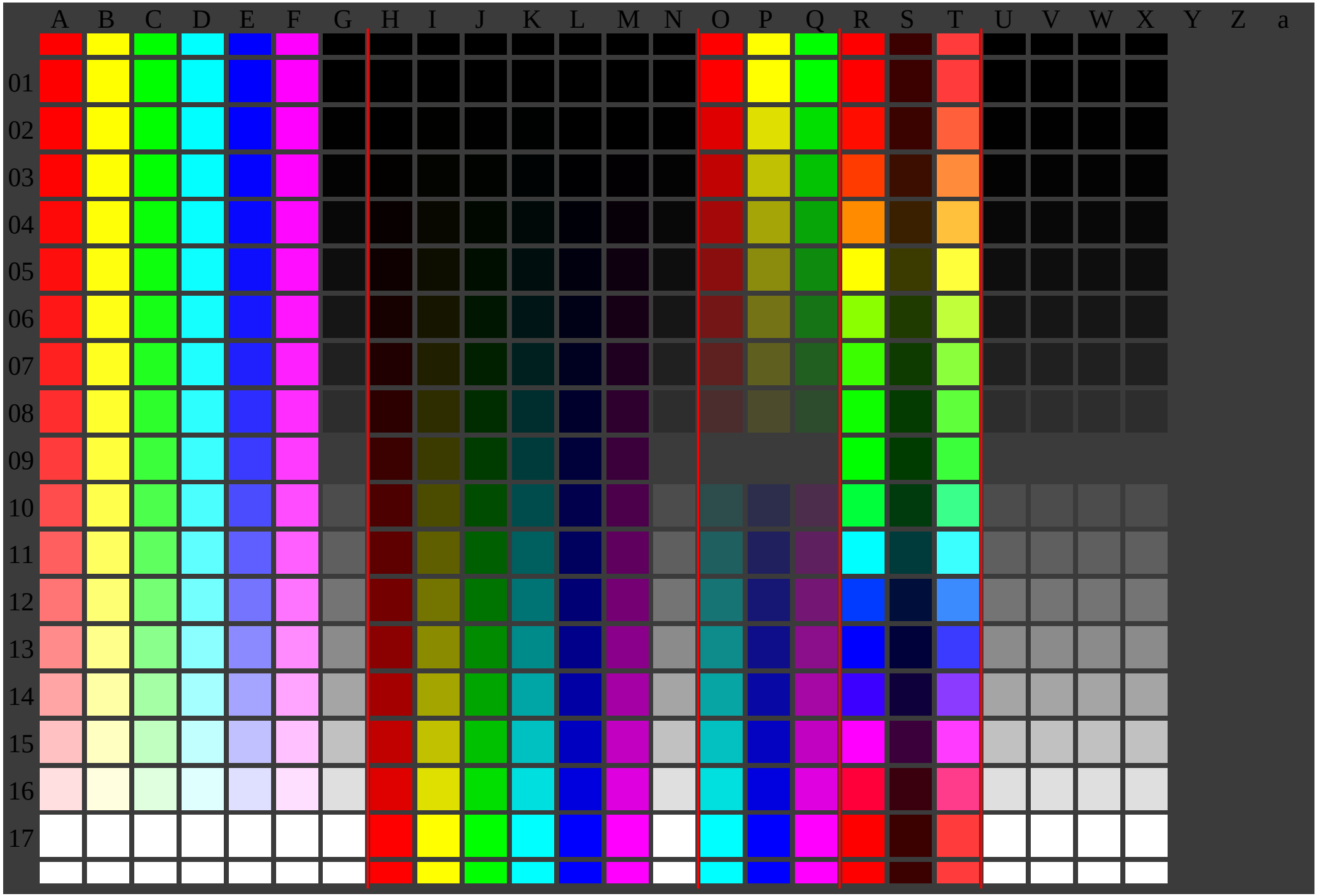
See similar ISO test charts: http://www.ps.bam.de/24705TE, http://www.ps.bam.de/9241E
Technical information: http://www.ps.bam.de/33872E Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

OE710−7N-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

OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-0: g_P=1.0; g_N=2.1


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	0.0	69.78	0.0	0.0	-1.62	0.0	0.0	1.63
3	73.13	0.0	0.0	0.01	70.07	0.0	0.0	-3.05	0.0	0.0	3.06
4	74.84	0.0	0.0	0.03	70.57	0.0	0.0	-4.26	0.0	0.0	4.27
5	76.55	0.0	0.0	0.06	71.29	0.0	0.0	-5.26	0.0	0.0	5.27
6	78.27	0.0	0.0	0.1	72.24	0.0	0.0	-6.02	0.0	0.0	6.03
7	79.98	0.0	0.0	0.15	73.43	0.0	0.0	-6.54	0.0	0.0	6.55
8	81.7	0.0	0.0	0.2	74.86	0.0	0.0	-6.82	0.0	0.0	6.83
9	83.41	0.0	0.0	0.27	76.54	0.0	0.0	-6.86	0.0	0.0	6.87
10	85.12	0.0	0.0	0.34	78.47	0.0	0.0	-6.65	0.0	0.0	6.66
11	86.84	0.0	0.0	0.43	80.65	0.0	0.0	-6.18	0.0	0.0	6.19
12	88.55	0.0	0.0	0.52	83.08	0.0	0.0	-5.46	0.0	0.0	5.47
13	90.27	0.0	0.0	0.63	85.77	0.0	0.0	-4.49	0.0	0.0	4.5
14	91.98	0.0	0.0	0.74	88.72	0.0	0.0	-3.25	0.0	0.0	3.26
15	93.7	0.0	0.0	0.86	91.93	0.0	0.0	-1.75	0.0	0.0	1.76
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	0.05	71.09	0.0	0.0	-5.03	0.0	0.0	5.04
19	82.55	0.0	0.0	0.23	75.67	0.0	0.0	-6.87	0.0	0.0	6.88
20	88.98	0.0	0.0	0.55	83.73	0.0	0.0	-5.24	0.0	0.0	5.25
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

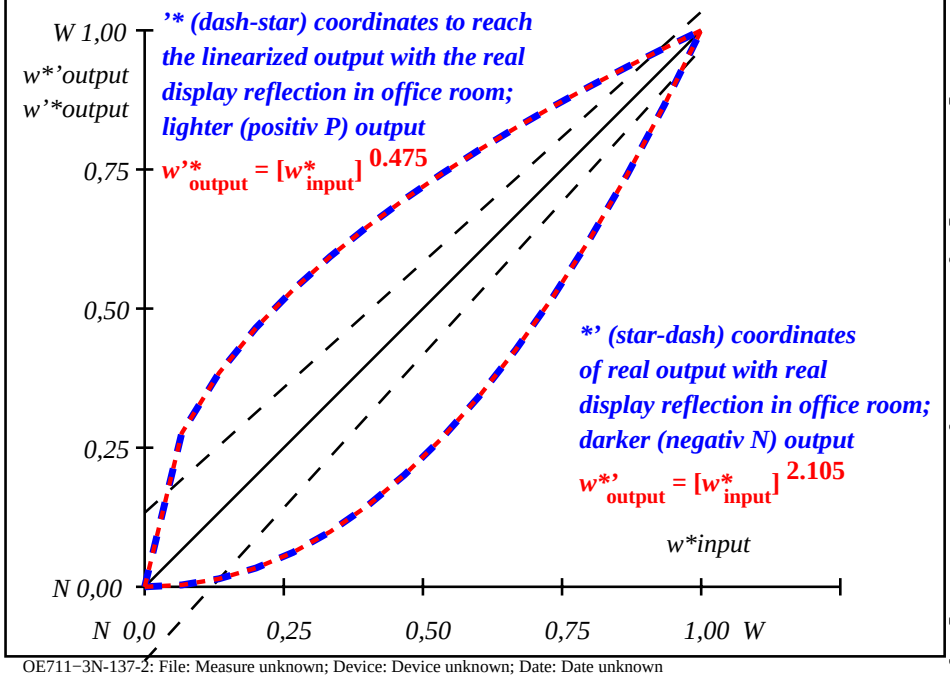
Mean lightness difference (16 steps)
ΔE^*_{CIELAB} = **4.3**

Mean lightness difference (5 steps)
ΔL^*_{CIELAB} = **3.4**

Mean colour reproduction index: $R^*_{ab,m}$ = **81**

OE710−3N-137-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

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



OE711−3N-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_N=2.11																
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	0.003	0.014	0.034	0.062	0.099	0.145	0.201	0.266	0.341	0.426	0.52	0.625	0.74	0.864	1.0

OE710−7N, Picture A7-137-2: 16 visual equidistant L^*-grey steps; PS operator: *w* w* w* setrgbcolor*

OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing Y contrast Y_W:Y_N=88,9:40; Y_N range 30 to <60

input: *cmy0 (−>cmy0*$_d$) setcmyk*
output 130-2: g_P=1.0; g_N=2.1