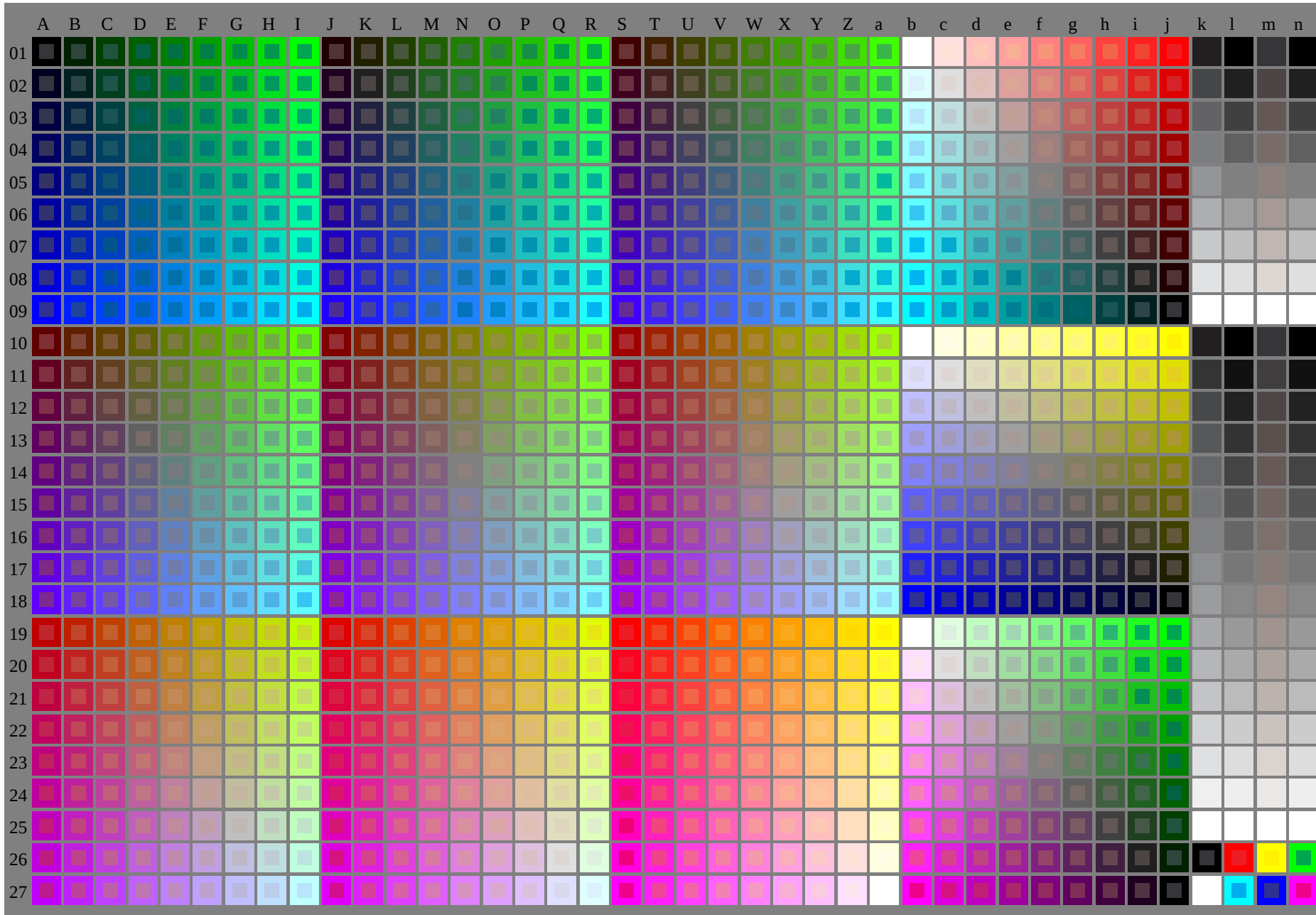


See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1



OE950-7N-030-0: Test chart 2g with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): $rgb / cmY0 (A_j + k26_{n27}), 000n (k), w (l), nnn0 (m), www (n), colorml = 0$

OE95: Test chart 2g with 40x27=1080 colours; DH
Digital equidistant 9 or 16 step colour scales

input: $000n/w/cmy0/rgb (->rgb*d)$
output 030-0: no change

TUB registration: 20110801-OE95/OE95L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

Timeline of the study:

- 2014: Baseline assessment, Recruitment of participants
- 2015: Follow-up assessment, Data analysis
- 2016: Publication of results

	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	b	c	d	e	f	g	h	i	j	k	l	m	n																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
0.000	0.001	0.009	0.018	0.031	0.027	0.010	0.036	0.010	0.045	0.017	0.054	0.041	0.063	0.010	0.072	0.010	0.081	0.001	0.090	0.001	0.099	0.010	0.108	0.001	0.117	0.010	0.126	0.001	0.135	0.010	0.144	0.001	0.153	0.010	0.162	0.001	0.171	0.010	0.180	0.010	0.189	0.010	0.198	0.010	0.207	0.010	0.216	0.010	0.225	0.010	0.234	0.010	0.243	0.010	0.252	0.010	0.261	0.010	0.270	0.010	0.279	0.010	0.288	0.010	0.297	0.010	0.306	0.010	0.315	0.010	0.324	0.010	0.333	0.010	0.342	0.010	0.351	0.010	0.360	0.010	0.369	0.010	0.378	0.010	0.387	0.010	0.396	0.010	0.405	0.010	0.414	0.010	0.423	0.010	0.432	0.010	0.441	0.010	0.450	0.010	0.459	0.010	0.468	0.010	0.477	0.010	0.486	0.010	0.495	0.010	0.504	0.010	0.513	0.010	0.522	0.010	0.531	0.010	0.540	0.010	0.549	0.010	0.558	0.010	0.567	0.010	0.576	0.010	0.585	0.010	0.594	0.010	0.603	0.010	0.612	0.010	0.621	0.010	0.630	0.010	0.639	0.010	0.648	0.010	0.657	0.010	0.666	0.010	0.675	0.010	0.684	0.010	0.693	0.010	0.702	0.010	0.711	0.010	0.720	0.010	0.729	0.010	0.738	0.010	0.747	0.010	0.756	0.010	0.765	0.010	0.774	0.010	0.783	0.010	0.792	0.010	0.801	0.010	0.810	0.010	0.819	0.010	0.828	0.010	0.837	0.010	0.846	0.010	0.855	0.010	0.864	0.010	0.873	0.010	0.882	0.010	0.891	0.010	0.900	0.010	0.909	0.010	0.918	0.010	0.927	0.010	0.936	0.010	0.945	0.010	0.954	0.010	0.963	0.010	0.972	0.010	0.981	0.010	0.990	0.010	1.000	0.010	1.009	0.010	1.018	0.010	1.027	0.010	1.036	0.010	1.045	0.010	1.054	0.010	1.063	0.010	1.072	0.010	1.081	0.010	1.090	0.010	1.099	0.010	1.108	0.010	1.117	0.010	1.126	0.010	1.135	0.010	1.144	0.010	1.153	0.010	1.162	0.010	1.171	0.010	1.180	0.010	1.189	0.010	1.198	0.010	1.207	0.010	1.216	0.010	1.225	0.010	1.234	0.010	1.243	0.010	1.252	0.010	1.261	0.010	1.270	0.010	1.279	0.010	1.288	0.010	1.297	0.010	1.306	0.010	1.315	0.010	1.324	0.010	1.333	0.010	1.342	0.010	1.351	0.010	1.360	0.010	1.369	0.010	1.378	0.010	1.387	0.010	1.396	0.010	1.405	0.010	1.414	0.010	1.423	0.010	1.432	0.010	1.441	0.010	1.450	0.010	1.459	0.010	1.468	0.010	1.477	0.010	1.486	0.010	1.495	0.010	1.504	0.010	1.513	0.010	1.522	0.010	1.531	0.010	1.540	0.010	1.549	0.010	1.558	0.010	1.567	0.010	1.576	0.010	1.585	0.010	1.594	0.010	1.603	0.010	1.612	0.010	1.621	0.010	1.630	0.010	1.639	0.010	1.648	0.010	1.657	0.010	1.666	0.010	1.675	0.010	1.684	0.010	1.693	0.010	1.702	0.010	1.711	0.010	1.720	0.010	1.729	0.010	1.738	0.010	1.747	0.010	1.756	0.010	1.765	0.010	1.774	0.010	1.783	0.010	1.792	0.010	1.801	0.010	1.810	0.010	1.819	0.010	1.828	0.010	1.837	0.010	1.846	0.010	1.855	0.010	1.864	0.010	1.873	0.010	1.882	0.010	1.891	0.010	1.900	0.010	1.909	0.010	1.918	0.010	1.927	0.010	1.936	0.010	1.945	0.010	1.954	0.010	1.963	0.010	1.972	0.010	1.981	0.010	1.990	0.010	2.000	0.010	2.009	0.010	2.018	0.010	2.027	0.010	2.036	0.010	2.045	0.010	2.054	0.010	2.063	0.010	2.072	0.010	2.081	0.010	2.090	0.010	2.099	0.010	2.108	0.010	2.117	0.010	2.126	0.010	2.135	0.010	2.144	0.010	2.153	0.010	2.162	0.010	2.171	0.010	2.180	0.010	2.189	0.010	2.198	0.010	2.207	0.010	2.216	0.010	2.225	0.010	2.234	0.010	2.243	0.010	2.252	0.010	2.261	0.010	2.270	0.010	2.279	0.010	2.288	0.010	2.297	0.010	2.306	0.010	2.315	0.010	2.324	0.010	2.333	0.010	2.342	0.010	2.351	0.010	2.360	0.010	2.369	0.010	2.378	0.010	2.387	0.010	2.396	0.010	2.405	0.010	2.414	0.010	2.423	0.010	2.432	0.010	2.441	0.010	2.450	0.010	2.459	0.010	2.468	0.010	2.477	0.010	2.486	0.010	2.495	0.010	2.504	0.010	2.513	0.010	2.522	0.010	2.531	0.010	2.540	0.010	2.549	0.010	2.558	0.010	2.567	0.010	2.576	0.010	2.585	0.010	2.594	0.010	2.603	0.010	2.612	0.010	2.621	0.010	2.630	0.010	2.639	0.010	2.648	0.010	2.657	0.010	2.666	0.010	2.675	0.010	2.684	0.010	2.693	0.010	2.702	0.010	2.711	0.010	2.720	0.010	2.729	0.010	2.738	0.010	2.747	0.010	2.756	0.010	2.765	0.010	2.774	0.010	2.783	0.010	2.792	0.010	2.801	0.010	2.810	0.010	2.819	0.010	2.828	0.010	2.837	0.010	2.846	0.010	2.855	0.010	2.864	0.010	2.873	0.010	2.882	0.010	2.891	0.010	2.900	0.010	2.909	0.010	2.918	0.010	2.927	0.010	2.936	0.010	2.945	0.010	2.954	0.010	2.963	0.010	2.972	0.010	2.981	0.010	2.990	0.010	3.000	0.010	3.009	0.010	3.018	0.010	3.027	0.010	3.036	0.010	3.045	0.010	3.054	0.010	3.063	0.010	3.072	0.010	3.081	0.010	3.090	0.010	3.099	0.010	3.108	0.010	3.117	0.010	3.126	0.010	3.135	0.010	3.144	0.010	3.153	0.010	3.162	0.010	3.171	0.010	3.180	0.010	3.189	0.010	3.198	0.010	3.207	0.010	3.216	0.010	3.225	0.010	3.234	0.010	3.243	0.010	3.252	0.010	3.261	0.010	3.270	0.010	3.279	0.010	3.288	0.010	3.297	0.010	3.306	0.010	3.315	0.010	3.324	0.010	3.333	0.010	3.342	0.010	3.351	0.010	3.360	0.010	3.369	0.010	3.378	0.010	3.387	0.010	3.396	0.010	3.405	0.010	3.414	0.010	3.423	0.010	3.432	0.010	3.441	0.010	3.450	0.010	3.459	0.010	3.468	0.010	3.477	0.010	3.486	0.010	3.495	0.010	3.504	0.010	3.513	0.010	3.522	0.010	3.531	0.010	3.540	0.010	3.549	0.010	3.558	0.010	3.567	0.010	3.576	0.010	3.585	0.010	3.594	0.010	3.603	0.010	3.612	0.010	3.621	0.010	3.630	0.010	3.639	0.010	3.648	0.010	3.657	0.010	3.666	0.010	3.675	0.010	3.684	0.010	3.693	0.010	3.702	0.010	3.711	0.010	3.720	0.010	3.729	0.010	3.738	0.010	3.747	0.010	3.756	0.010	3.765	0.010	3.774	0.010	3.783	0.010	3.792	0.010	3.801	0.010	3.810	0.010	3.819	0.010	3.828	0.010	3.837	0.010	3.846	0.010	3.855	0.010	3.864	0.010	3.873	0.010	3.882	0.010	3.891	0.010	3.900	0.010	3.909	0.010	3.918	0.010	3.927	0.010	3.936	0.010	3.945	0.010	3.954	0.010	3.963	0.010	3.972	0.010	3.981	0.010	3.990	0.010	4.000	0.010	4.009	0.010	4.018	0.010	4.027	0.010	4.036	0.010	4.045	0.010	4.054	0.010	4.063	0.010	4.072	0.010	4.081	0.010	4.090	0.010	4.099	0.010	4.108	0.010	4.117	0.010	4.126	0.010	4.135	0.010	4.144	0.010	4.153	0.010	4.162	0.010	4.171	0.010	4.180	0.010	4.189	0.010	4.198	0.010	4.207	0.010	4.216	0.010	4.225	0.010	4.234	0.010	4.243	0.010	4.252	0.010	4.261	0.010	4.270	0.010	4.279	0.010	4.288	0.010	4.297	0.010	4.306	0.010	4.315	0.010	4.324	0.010	4.333	0.010	4.342	0.010	4.351	0.010	4.360	0.010	4.369	0.010	4.378	0.010	4.387	0.010	4.396	0.010	4.405	0.010	4.414	0.010	4.423	0.010	4.432	0.010	4.441	0.010	4.450	0.010	4.459	0.010	4.468	0.010	4.477	0.010	4.486	0.010	4.495	0.010	4.504	0.010	4.513	0.010	4.522	0.010	4.531	0.010	4.540	0.010	4.549	0.010	4.558	0.010	4.567	0.010	4.576	0.010	4.585	0.010	4.594	0.010	4.603	0.010	4.612	0.010	4.621	0.010	4.630	0.010	4.639	0.010	4.648	0.010	4.657	0.010	4.666	0.010	4.675	0.010	4.684	0.010	4.693	0.010	4.702	0.010	4.711	0.010	4.720	0.010	4.729	0.010	4.738	0.010	4.747	0.010	4.756	0.010	4.765	0.010	4.774	0.010	4.783	0.010	4.792	0.010	4.801	0.010	4.810	0.010	4.819	0.010	4.828	0.010	4.837	0.010	4.846	0.010	4.855	0.010	4.864	0.010	4.873	0.010	4.882	0.010	4.891	0.010	4.900	0.010	4.909	0.010	4.918	0.010	4.927	0.010	4.936	0.010	4.945	0.010	4.954	0.010	4.963	0.010	4.972	0.010	4.981	0.010	4.990	0.010	5.000	0.010	5.009	0.010	5.018	0.010	5.027	0.010	5.036	0.010	5.045	0.010	5.054	0.010	5.063	0.010	5.072	0.010	5.081	0.010	5.090	0.010	5.099	0.010	5.108	0.010	5.117	0.010	5.126	0.010	5.135	0.010	5.144	0.010	5.153	0.010	5.162	0.010	5.171	0.010	5.180	0.010	5.189	0.010	5.198	0.010	5.207	0.010	5.216	0.010	5.225	0.010	5.234	0.010	5.243	0.010	5.252	0.010	5.261	0.010	5.270	0.010	5.279	0.010	5.288	0.010	5.297	0.010	5.306	0.010	5.315	0.010	5.324	0.010	5.333	0.010	5.342	0.010	5.351	0.010	5.360	0.010	5.369	0.010	5.378	0.010	5.387	0.010	5.396	0.010	5.405	0.010	5.414	0.010	5.423	0.010	5.432	0.010	5.441	0.010	5.450	0.010	5.459	0.010	5.468	0.010	5.477	0.0

OE950-7N-030-1: Test chart 2g with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): **rgb / cmY (A_j + k26_n27), 000n (k), w (l), nnnn (m), www (n), colorml = 0**

1OE95: Test chart 2g with 40x27=1080 colors

input: 000n/w/cmv0/rqb (->rqb*d)



Digital equidistant 9 or 16 step colour scale

output 030-1: no change

 $C_{Vg} (288:1): q_D$

1.0: <http://130.149.60.45/~farbmetrik/OE95/OE95F0AX.PDF> /PS

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

i	LAB*ref	L*out	LAB*out	LAB*out/c-ref	ΔE*
1	0.0	0.0	0.0	0.0	0.01
2	6.36	0.0	0.07	6.36	0.01
3	12.72	0.0	0.13	12.72	0.01
4	19.08	0.0	0.2	19.08	0.01
5	25.44	0.0	0.27	25.44	0.01
6	31.8	0.0	0.33	31.8	0.01
7	38.16	0.0	0.4	38.16	0.01
8	44.52	0.0	0.47	44.52	0.01
9	50.89	0.0	0.53	50.89	0.01
10	57.25	0.0	0.6	57.25	0.01
11	63.61	0.0	0.67	63.61	0.01
12	69.97	0.0	0.73	69.97	0.01
13	76.33	0.0	0.8	76.33	0.01
14	82.69	0.0	0.87	82.69	0.01
15	89.05	0.0	0.93	89.05	0.01
16	95.41	0.0	1.0	95.41	0.01
17	0.0	0.0	0.0	0.0	0.01
18	23.85	0.0	0.25	23.85	0.01
19	47.71	0.0	0.5	47.71	0.01
20	71.56	0.0	0.75	71.56	0.01
21	95.41	0.0	1.0	95.41	0.01

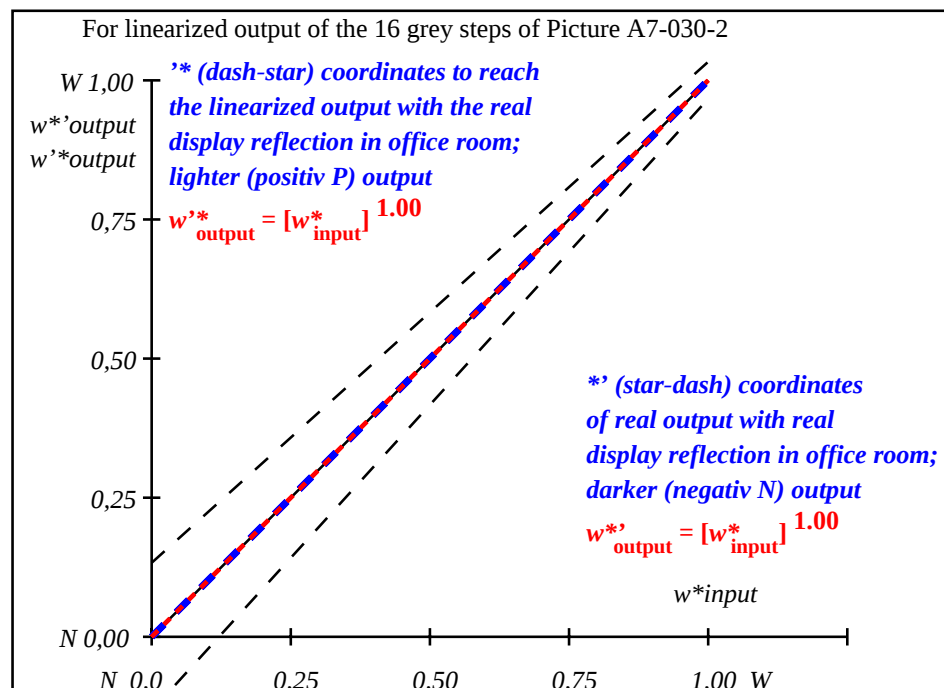
Start output S1
Specification according to
ISO/IEC 15775 Annex G
and DIN 33866-1 Annex G

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

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

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

OE950-3N-030-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE951-3N-030-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

L^*/Y_{intended} (absolute)	0.0/0.0	6.3/0.7	12.7/1.5	19.0/2.7	25.4/4.5	31.8/6.9	38.1/10.1	44.5/14.2	50.8/19.1	57.2/25.1	63.6/32.3	69.9/40.7	76.3/50.4	82.6/61.5	89.0/74.2	95.4/88.5
$w^* w^* w^*$ setrgb $g_p=1.00$ 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
$w^*=l^*_{\text{CIELAB},r}$ (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

OE740-7N, Picture A7-030-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE95: In-output relation according to ISO 9241-306; DH
Viewing Y contrast $Y_W:Y_N=88,9:0,31$; Y_N range 0,0 to <0,46

input: 000n/w/cmy0/rgb (->rgb*d
output 030-2: no change