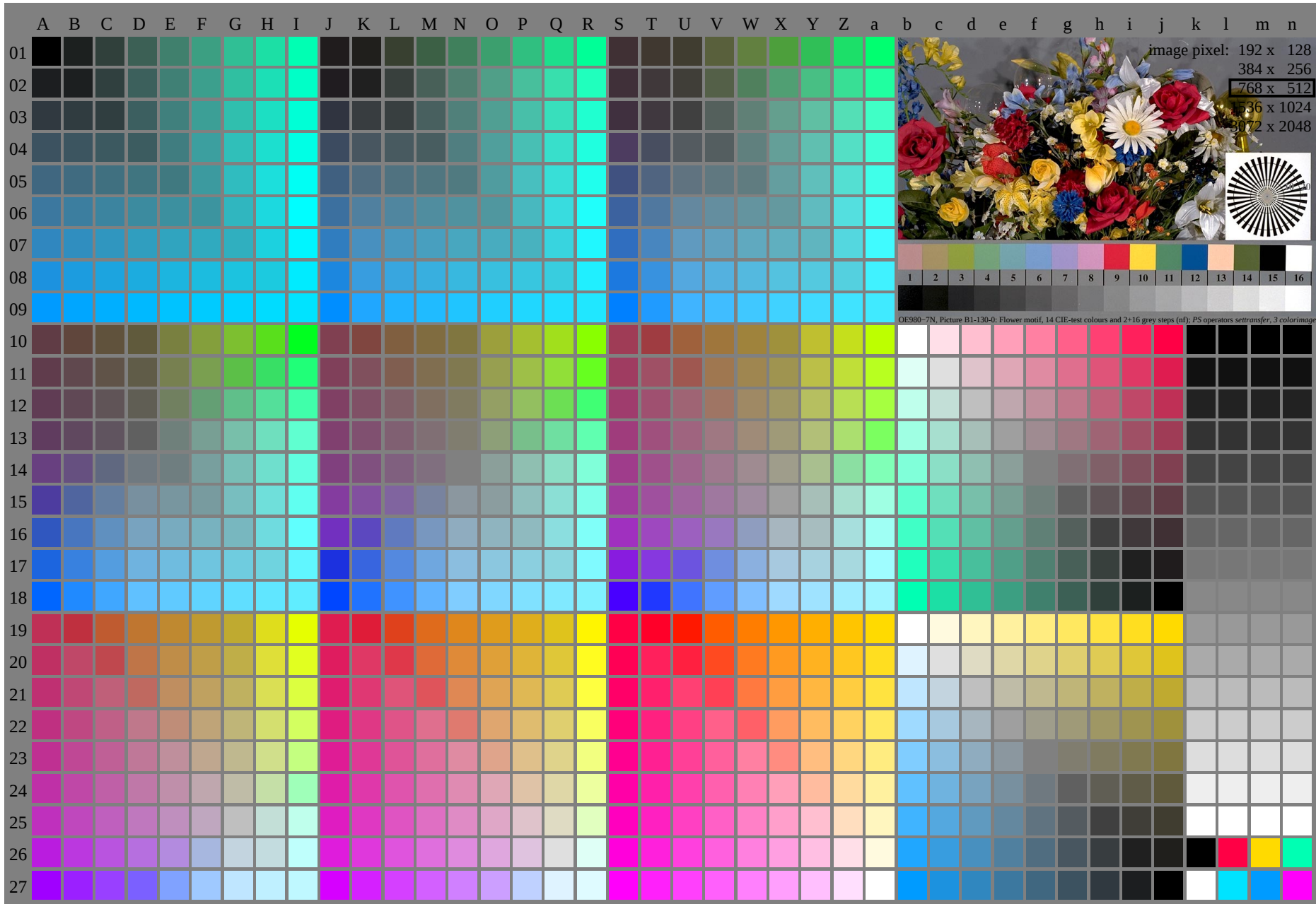


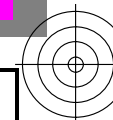
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



OE980-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): $rgb^* \cdot (A_n)$, colorm = 1, xchart = 0, pchart = 0

OE98: Test chart 2G with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: 000n/w/cmy0/rgb (-> rgb^*_{de})
output 130-0: $g_P=1.0$; $g_N=1.0$



TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

http://130.149.60.45/~farbmeterik/OE98/OE98L0NA.TXT /.PS; linearized output, Page 2/3
F: Output Linearization (OL) data OE98/OE98L0NA.TXT /.PS in File (F)

	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	
01	0.000 A01	0.009 B01	0.018 C01	0.027 D01	0.036 E01	0.045 F01	0.054 G01	0.063 H01	0.072 I01	0.081 J01	0.090 K01	0.099 L01	0.108 M01	0.117 N01	0.126 O01	0.135 P01	0.144 Q01	0.153 R01	0.162 S01	0.171 T01	0.180 U01	0.189 V01	0.198 W01	0.207 X01	0.216 Y01	0.225 Z01	0.234 a01	0.243 b01	0.252 c01	0.261 d01	0.270 e01	0.279 f01	0.288 g01	0.297 h01	0.306 i01	0.315 j01	0.324 k01	0.333 l01	0.342 m01	0.351 n01	
02	0.000 A02	0.010 B02	0.019 C02	0.028 D02	0.037 E02	0.046 F02	0.055 G02	0.064 H02	0.073 I02	0.082 J02	0.091 K02	0.100 L02	0.109 M02	0.118 N02	0.127 O02	0.136 P02	0.145 Q02	0.154 R02	0.163 S02	0.172 T02	0.181 U02	0.190 V02	0.199 W02	0.208 X02	0.217 Y02	0.226 Z02	0.235 a02	0.244 b02	0.253 c02	0.262 d02	0.271 e02	0.280 f02	0.289 g02	0.298 h02	0.307 i02	0.316 j02	0.325 k02	0.334 l02	0.343 m02	0.352 n02	
03	0.000 A03	0.010 B03	0.020 C03	0.029 D03	0.038 E03	0.047 F03	0.056 G03	0.065 H03	0.074 I03	0.083 J03	0.092 K03	0.101 L03	0.110 M03	0.119 N03	0.128 O03	0.137 P03	0.146 Q03	0.155 R03	0.164 S03	0.173 T03	0.182 U03	0.191 V03	0.200 W03	0.209 X03	0.218 Y03	0.227 Z03	0.236 a03	0.245 b03	0.254 c03	0.263 d03	0.272 e03	0.281 f03	0.290 g03	0.299 h03	0.308 i03	0.317 j03	0.326 k03	0.335 l03	0.344 m03	0.353 n03	
04	0.000 A04	0.010 B04	0.020 C04	0.030 D04	0.039 E04	0.048 F04	0.057 G04	0.066 H04	0.075 I04	0.084 J04	0.093 K04	0.102 L04	0.111 M04	0.120 N04	0.129 O04	0.138 P04	0.147 Q04	0.156 R04	0.165 S04	0.174 T04	0.183 U04	0.192 V04	0.201 W04	0.210 X04	0.219 Y04	0.228 Z04	0.237 a04	0.246 b04	0.255 c04	0.264 d04	0.273 e04	0.282 f04	0.291 g04	0.300 h04	0.309 i04	0.318 j04	0.327 k04	0.336 l04	0.345 m04	0.354 n04	
05	0.000 A05	0.010 B05	0.020 C05	0.031 D05	0.040 E05	0.049 F05	0.058 G05	0.067 H05	0.076 I05	0.085 J05	0.094 K05	0.103 L05	0.112 M05	0.121 N05	0.130 O05	0.139 P05	0.148 Q05	0.157 R05	0.166 S05	0.175 T05	0.184 U05	0.193 V05	0.202 W05	0.211 X05	0.220 Y05	0.229 Z05	0.238 a05	0.247 b05	0.256 c05	0.265 d05	0.274 e05	0.283 f05	0.292 g05	0.301 h05	0.310 i05	0.319 j05	0.328 k05	0.337 l05	0.346 m05	0.355 n05	
06	0.000 A06	0.010 B06	0.020 C06	0.032 D06	0.041 E06	0.050 F06	0.059 G06	0.068 H06	0.077 I06	0.086 J06	0.095 K06	0.104 L06	0.113 M06	0.122 N06	0.131 O06	0.140 P06	0.149 Q06	0.158 R06	0.167 S06	0.176 T06	0.185 U06	0.194 V06	0.203 W06	0.212 X06	0.221 Y06	0.230 Z06	0.239 a06	0.248 b06	0.257 c06	0.266 d06	0.275 e06	0.284 f06	0.293 g06	0.302 h06	0.311 i06	0.320 j06	0.329 k06	0.338 l06	0.347 m06	0.356 n06	
07	0.000 A07	0.010 B07	0.020 C07	0.033 D07	0.042 E07	0.051 F07	0.060 G07	0.069 H07	0.078 I07	0.087 J07	0.096 K07	0.105 L07	0.114 M07	0.123 N07	0.132 O07	0.141 P07	0.150 Q07	0.159 R07	0.168 S07	0.177 T07	0.186 U07	0.195 V07	0.204 W07	0.213 X07	0.222 Y07	0.231 Z07	0.240 a07	0.249 b07	0.258 c07	0.267 d07	0.276 e07	0.285 f07	0.294 g07	0.303 h07	0.312 i07	0.321 j07	0.330 k07	0.339 l07	0.348 m07	0.357 n07	
08	0.000 A08	0.010 B08	0.020 C08	0.034 D08	0.043 E08	0.052 F08	0.061 G08	0.070 H08	0.079 I08	0.088 J08	0.097 K08	0.106 L08	0.115 M08	0.124 N08	0.133 O08	0.142 P08	0.151 Q08	0.160 R08	0.169 S08	0.178 T08	0.187 U08	0.196 V08	0.205 W08	0.214 X08	0.223 Y08	0.232 Z08	0.241 a08	0.250 b08	0.259 c08	0.268 d08	0.277 e08	0.286 f08	0.295 g08	0.304 h08	0.313 i08	0.322 j08	0.331 k08	0.340 l08	0.349 m08	0.358 n08	
09	0.000 A09	0.010 B09	0.020 C09	0.035 D09	0.044 E09	0.053 F09	0.062 G09	0.071 H09	0.080 I09	0.089 J09	0.098 K09	0.107 L09	0.116 M09	0.125 N09	0.134 O09	0.143 P09	0.152 Q09	0.161 R09	0.170 S09	0.179 T09	0.188 U09	0.197 V09	0.206 W09	0.215 X09	0.224 Y09	0.233 Z09	0.242 a09	0.251 b09	0.260 c09	0.269 d09	0.278 e09	0.287 f09	0.296 g09	0.305 h09	0.314 i09	0.323 j09	0.332 k09	0.341 l09	0.350 m09	0.359 n09	
10	0.000 A10	0.010 B10	0.020 C10	0.036 D10	0.045 E10	0.054 F10	0.063 G10	0.072 I10	0.081 J10	0.090 K10	0.099 L10	0.108 M10	0.117 N10	0.126 O10	0.135 P10	0.144 Q10	0.153 R10	0.162 S10	0.171 T10	0.180 U10	0.189 V10	0.198 W10	0.207 X10	0.216 Y10	0.225 Z10	0.234 a10	0.243 b10	0.252 c10	0.261 d10	0.270 e10	0.279 f10	0.288 g10	0.297 h10	0.306 i10	0.315 j10	0.324 k10	0.333 l10	0.342 m10	0.351 n10	0.360 o10	0.369 p10
11	0.000 A11	0.010 B11	0.020 C11	0.037 D11	0.046 E11	0.055 F11	0.064 G11	0.073 I11	0.082 J11	0.091 K11	0.100 L11	0.109 M11	0.118 N11	0.127 O11	0.136 P11	0.145 Q11	0.154 R11	0.163 S11	0.172 T11	0.181 U11	0.190 V11	0.199 W11	0.208 X11	0.217 Y11	0.226 Z11	0.235 a11	0.244 b11	0.253 c11	0.262 d11	0.271 e11	0.280 f11	0.289 g11	0.298 h11	0.307 i11	0.316 j11	0.325 k11	0.334 l11	0.343 m11	0.352 n11	0.361 o11	0.370 p11
12	0.000 A12	0.010 B12	0.020 C12	0.038 D12	0.047 E12	0.056 F12	0.065 G12	0.074 I12	0.083 J12	0.092 K12	0.101 L12	0.110 M12	0.119 N12	0.128 O12	0.137 P12	0.146 Q12	0.155 R12	0.164 S12	0.173 T12	0.182 U12	0.191 V12	0.200 W12	0.209 X12	0.218 Y12	0.227 Z12	0.236 a12	0.245 b12	0.254 c12	0.263 d12	0.272 e12	0.281 f12	0.290 g12	0.299 h12	0.308 i12	0.317 j12	0.326 k12	0.335 l12	0.344 m12	0.353 n12	0.362 o12	0.371 p12
13	0.000 A13	0.010 B13	0.020 C13	0.039 D13	0.048 E13	0.057 F13	0.066 G13	0.075 I13	0.084 J13	0.093 K13	0.102 L13	0.111 M13	0.120 N13	0.129 O13	0.138 P13	0.147 Q13	0.156 R13	0.165 S13	0.174 T13	0.183 U13	0.192 V13	0.201 W13	0.210 X13	0.219 Y13	0.228 Z13	0.237 a13	0.246 b13	0.255 c13	0.264 d13	0.273 e13	0.282 f13	0.291 g13	0.300 h13	0.309 i13	0.318 j13	0.327 k13	0.336 l13	0.345 m13	0.354 n13	0.363 o13	0.372 p13
14	0.000 A14	0.010 B14	0.020 C14	0.040 D14	0.049 E14	0.058 F14	0.067 G14	0.076 I14	0.085 J14	0.094 K14	0.103 L14	0.112 M14	0.121 N14	0.130 O14	0.139 P14	0.148 Q14	0.157 R14	0.166 S14	0.175 T14	0.184 U14	0.193 V14	0.202 W14	0.211 X14	0.220 Y14	0.229 Z14	0.238 a14	0.247 b14	0.256 c14	0.265 d14	0.274 e14	0.283 f14	0.292 g14	0.301 h14	0.310 i14	0.319 j14	0.328 k14	0.337 l14	0.346 m14	0.355 n14	0.364 o14	0.373 p14
15	0.000 A15	0.010 B15	0.020 C15	0.041 D15	0.050 E15	0.059 F15	0.068 G15	0.077 I15	0.086 J15	0.095 K15	0.104 L15	0.113 M15	0.122 N15	0.131 O15	0.140 P15	0.149 Q15	0.158 R15	0.167 S15	0.176 T15	0.185 U15	0.194 V15	0.203 W15	0.212 X15	0.221 Y15	0.230 Z15	0.239 a15	0.248 b15	0.257 c15	0.266 d15	0.275 e15	0.284 f15	0.293 g15	0.302 h15	0.311 i15	0.320 j15	0.329 k15	0.338 l15	0.347 m15	0.356 n15	0.365 o15	0.374 p15
16	0.000 A16	0.010 B16	0.020 C16	0.042 D16	0.051 E16	0.060 F16	0.069 G16	0.078 I16	0.087 J16	0.096 K16	0.105 L16	0.114 M16	0.123 N16	0.132 O16	0.141 P16	0.150 Q16	0.159 R16	0.168 S16	0.177 T16	0.186 U16	0.195 V16	0.204 W16	0.213 X16	0.222 Y16	0.231 Z16	0.240 a16	0.249 b16	0.258 c16	0.267 d16	0.276 e16	0.285 f16	0.294 g16	0.303 h16	0.312 i16	0.321 j16	0.330 k16	0.339 l16	0.348 m16	0.357 n16	0.366 o16	0.375 p16
17	0.000 A17	0.010 B17	0.020 C17	0.043 D17	0.052 E17	0.061 F17	0.070 G17	0.079 I17	0.088 J17	0.097 K17	0.106 L17	0.115 M17	0.124 N17	0.133 O17	0.142 P17	0.151 Q17	0.160 R17	0.169 S17	0.178 T17	0.187 U17	0.196 V17	0.205 W17	0.214 X17	0.223 Y17	0.232 Z17	0.241 a17	0.250 b17	0.259 c17	0.268 d17	0.277 e17	0.286 f17	0.295 g17	0.304 h17	0.313 i17	0.322 j17	0.331 k17	0.340 l17	0.349 m17	0.358 n17	0.367 o17	0.376 p17
18	0.000 A18	0.010 B18	0.020 C18	0.044 D18	0.053 E18	0.062 F18	0.071 G18	0.080 I18	0.089 J18	0.098 K18	0.107 L18	0.116 M18	0.125 N18	0.134 O18	0.143 P18	0.152 Q18	0.161 R18	0.170 S18	0.179 T18	0.188 U18	0.197 V18	0.206 W18	0.215 X18	0.224 Y18	0.233 Z18	0.242 a18	0.251 b18	0.260 c18	0.269 d18	0.278 e18	0.287 f18	0.296 g18	0.305 h18	0.314 i18	0.323 j18	0.332 k18	0.341 l18	0.350 m18	0.359 n18	0.368 o18	0.377 p18
19	0.000 A19	0.010 B19	0.020 C19	0.045 D19	0.054 E19	0.063 F19	0.072 G19	0.081 I19	0.090 J19	0.099 K19	0.108 L19	0.117 M19	0.126 N19	0.135 O19	0.144 P19	0.153 Q19	0.162 R19	0.171 S19	0.180 T19	0.189 U19	0.198 V19	0.207 W19	0.216 X19	0.225 Y19	0.234 Z19	0.243 a19	0.252 b19	0.261 c19	0.270 d19	0.279 e19	0.288 f19	0.297 g19	0.306 h19	0.315 i19	0.324 j19	0.333 k19	0.342 l19	0.351 m19	0.360 n19	0.369 o19	0.378 p19
20	0.000 A20	0.010 B20	0.020 C20	0.046 D20	0.055 E20	0.064 F20	0.073 G20	0.082 I20	0.091 J20	0.100 K20	0.109 L20	0.118 M20	0.127 N20	0.136 O20	0.145 P20	0.154 Q20	0.163 R20	0.172 S20	0.181 T20	0.190 U20	0.199 V20	0.208 W20	0.217 X20	0.226 Y20	0.235 Z20	0.244 a20	0.253 b20	0.262 c20	0.271 d20	0.280 e20	0.289 f20	0.298 g20	0.307 h20	0.316 i20	0.325 j20	0.334 k20	0.343 l20	0.352 m20	0.361 n20	0.370 o20	0.379 p20
21	0.000 A21	0.010 B21	0.020 C21	0.047 D21	0.056 E21	0.065 F21	0.074 G21	0.083 I21	0.092 J21	0.101 K21	0.110 L21	0.119 M21	0.128 N21	0.137 O21	0.146 P21	0.155 Q21	0.164 R21	0.173 S21	0.182 T21	0.191 U21	0.200 V21	0.209 W21	0.218 X21	0.227 Y21	0.236 Z21	0.245 a21	0.254 b21	0.263 c21	0.272 d21	0.281 e21	0.290 f21	0.299 g21	0.308 h21	0.317 i21	0.326 j21	0.335 k21	0.344 l21	0.353 m21	0.362 n21	0.371 o21	0.380 p21
22	0.000 A22	0.010 B22	0.020 C22	0.048 D22	0.057 E22	0.066 F22	0.075 G22	0.084 I22	0.093 J22	0.102 K22	0.111 L22	0.120 M22	0.129 N22	0.138 O22	0.147 P22	0.156 Q22	0.165 R22	0.174 S22	0.183 T22	0.192 U22	0.201 V22	0.210 W22	0.219 X22	0.228 Y22	0.237 Z22	0.246 a22	0.255 b22	0.264 c22	0.273 d22	0.282 e22	0.291 f22	0.300 g22	0.309 h22	0.318 i22	0.327 j22	0.336 k22	0.345 l22	0.354 m22	0.363 n22	0.372 o22	0.381 p22
23	0.000 A23	0.010 B23	0.020 C23	0.049 D23	0.058 E23	0.067 F23	0.076 G23	0.085 I23	0.094 J23	0.103 K23	0.112 L23	0.121 M23	0.130 N23	0.139 O23</																											

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

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

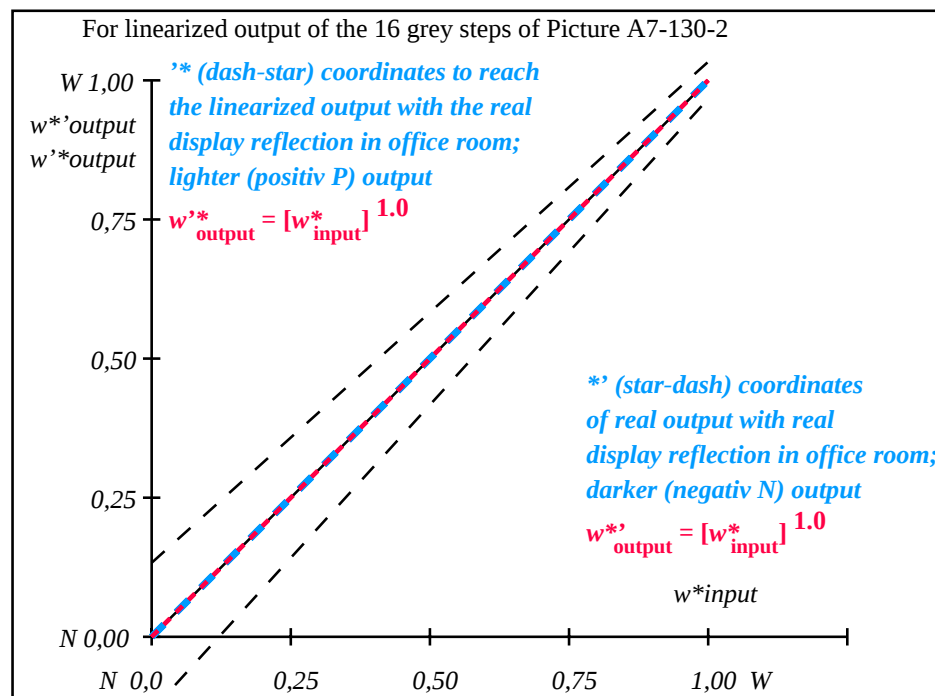
Start output S1
Specification according to
ISO/IEC 15775 Annex G
and DIN 33866-1 Annex G

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

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

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

OE980-3A-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE981-3N-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

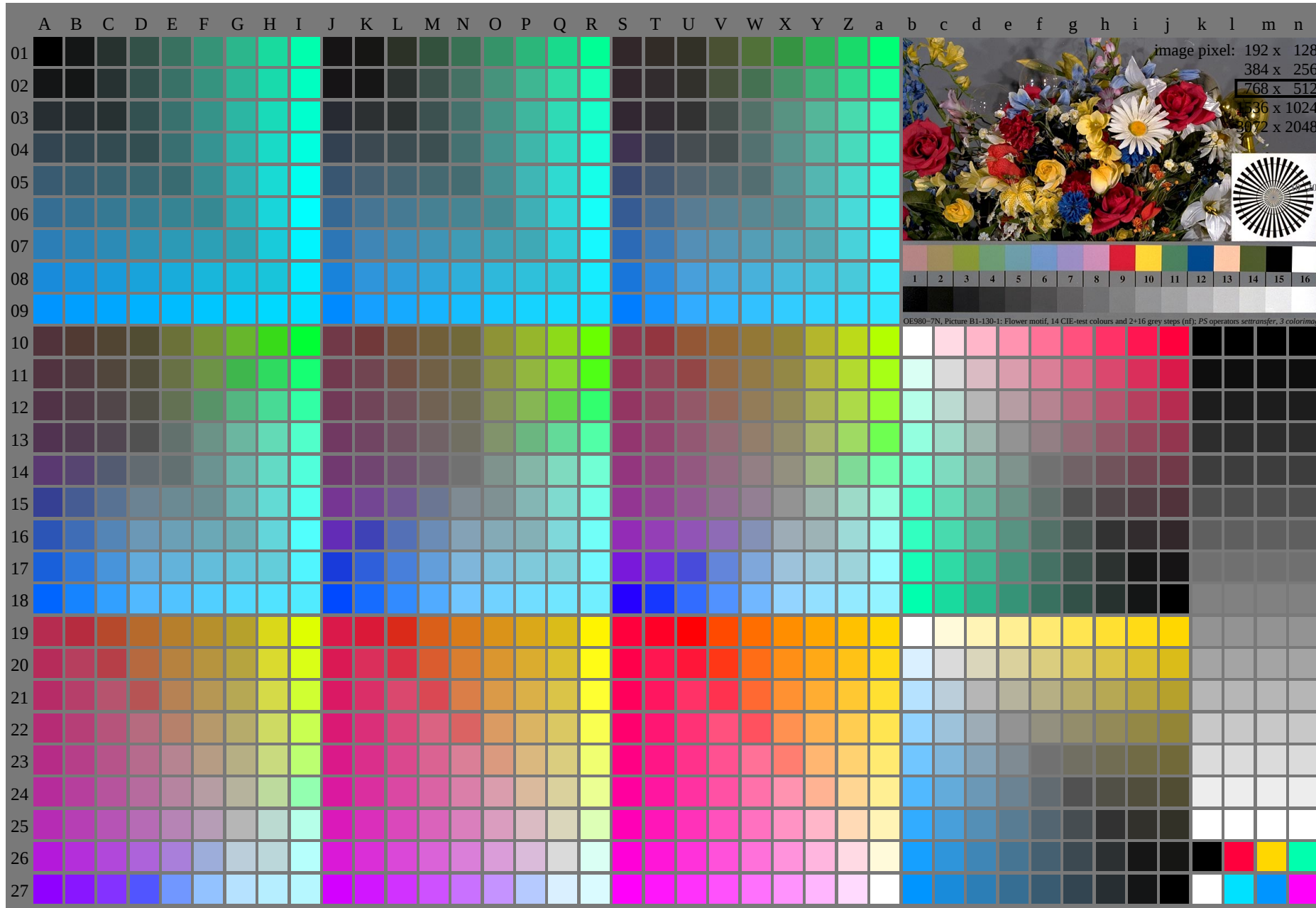
OE980-7N, Picture A7-130-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE98: 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: 000n/w/cmy0/rgb (->rgb*de
output 130-2: $g_P=1.0$; $g_N=1.0$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta

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



OE980-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): $rgb^* \cdot (A_n)$, colorm = 1, xchart = 8, pchart = 0

OE98: Test chart 2G with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: 000n/w/cmy0/rgb (-> rgb^*_{de})
output 130-0: $g_P=1.0$; $g_N=1.08$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

F: Output Linearization (OL) data OE98/OE98L0NA.TXT /.PS in File (F)

	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	A01	0009	B01	0018	C01	0027	D01	0036	E01	0045	F01	0054	G01	0063	H01	0072	I01	0081	J01	0090	K01	0099	L01	0108	M01	0117	N01	0126	O01	0135	P01	0144	Q01	0153	R01	0162	S01	0171	T01	0180	U01	0189	V01	0198	W01	0207	X01	0216	Y01	0225	Z01	0234	a01	0243	b01	0252	c01	0261	d01	0270	e01	0279	f01	0288	g01	0297	h01	0306	i01	0315	j01	0324	k01	0333	l01	0342	m01	0351	n01	0360	o01	0369	p01	0378	q01	0387	r01	0396	s01	0405	t01	0414	u01	0423	v01	0432	w01	0441	x01	0450	y01	0459	z01	0468	a02	0477	b02	0486	c02	0495	d02	0504	e02	0513	f02	0522	g02	0531	h02	0540	i02	0549	j02	0558	k02	0567	l02	0576	m02	0585	n02	0594	o02	0603	p02	0612	q02	0621	r02	0630	s02	0639	t02	0648	u02	0657	v02	0666	w02	0675	x02	0684	y02	0693	z02	0702	a03	0711	b03	0720	c03	0729	d03	0738	e03	0747	f03	0756	g03	0765	h03	0774	i03	0783	j03	0792	k03	0801	l03	0810	m03	0819	n03	0828	o03	0837	p03	0846	q03	0855	r03	0864	s03	0873	t03	0882	u03	0891	v03	0900	w03	0909	x03	0918	y03	0927	z03	0936	a04	0945	b04	0954	c04	0963	d04	0972	e04	0981	f04	0990	g04	1000	h04	1009	i04	1018	j04	1027	k04	1036	l04	1045	m04	1054	n04	1063	o04	1072	p04	1081	q04	1090	r04	1099	s04	1108	t04	1117	u04	1126	v04	1135	w04	1144	x04	1153	y04	1162	z04	1171	a05	1180	b05	1189	c05	1198	d05	1207	e05	1216	f05	1225	g05	1234	h05	1243	i05	1252	j05	1261	k05	1270	l05	1279	m05	1288	o05	1297	p05	1306	q05	1315	r05	1324	s05	1333	t05	1342	u05	1351	v05	1360	w05	1369	x05	1378	y05	1387	z05	1396	a06	1405	b06	1414	c06	1423	d06	1432	e06	1441	f06	1450	g06	1459	h06	1468	i06	1477	j06	1486	k06	1495	l06	1504	m06	1513	n06	1522	o06	1531	p06	1540	q06	1549	r06	1558	s06	1567	t06	1576	u06	1585	v06	1594	w06	1603	x06	1612	y06	1621	z06	1630	a07	1639	b07	1648	c07	1657	d07	1666	e07	1675	f07	1684	g07	1693	h07	1702	i07	1711	j07	1720	k07	1729	l07	1738	m07	1747	n07	1756	o07	1765	p07	1774	q07	1783	r07	1792	s07	1801	t07	1810	u07	1819	v07	1828	w07	1837	x07	1846	y07	1855	z07	1864	a08	1873	b08	1882	c08	1891	d08	1900	e08	1909	f08	1918	g08	1927	h08	1936	i08	1945	j08	1954	k08	1963	l08	1972	m08	1981	n08	1990	o08	2000	p08	2009	q08	2018	r08	2027	s08	2036	t08	2045	u08	2054	v08	2063	w08	2072	x08	2081	y08	2090	z08	2099	a09	2108	b09	2117	c09	2126	d09	2135	e09	2144	f09	2153	g09	2162	h09	2171	i09	2180	j09	2189	k09	2198	l09	2207	m09	2216	n09	2225	o09	2234	p09	2243	q09	2252	r09	2261	s09	2270	t09	2279	u09	2288	v09	2297	w09	2306	x09	2315	y09	2324	z09	2333	a10	2342	b10	2351	c10	2360	d10	2369	e10	2378	f10	2387	g10	2396	h10	2405	i10	2414	j10	2423	k10	2432	l10	2441	m10	2450	n10	2459	o10	2468	p10	2477	q10	2486	r10	2495	s10	2504	t10	2513	u10	2522	v10	2531	w10	2540	x10	2549	y10	2558	z10	2567	a11	2576	b11	2585	c11	2594	d11	2603	e11	2612	f11	2621	g11	2630	h11	2639	i11	2648	j11	2657	k11	2666	l11	2675	m11	2684	n11	2693	o11	2702	p11	2711	q11	2720	r11	2729	s11	2738	t11	2747	u11	2756	v11	2765	w11	2774	x11	2783	y11	2792	z11	2801	a12	2810	b12	2819	c12	2828	d12	2837	e12	2846	f12	2855	g12	2864	h12	2873	i12	2882	j12	2891	k12	2900	l12	2909	m12	2918	n12	2927	o12	2936	p12	2945	q12	2954	r12	2963	s12	2972	t12	2981	u12	2990	v12	3000	w12	3009	x12	3018	y12	3027	z12	3036	a13	3045	b13	3054	c13	3063	d13	3072	e13	3081	f13	3090	g13	3100	h13	3109	i13	3118	j13	3127	k13	3136	l13	3145	m13	3154	n13	3163	o13	3172	p13	3181	q13	3190	r13	3200	s13	3209	t13	3218	u13	3227	v13	3236	w13	3245	x13	3254	y13	3263	z13	3272	a14	3281	b14	3290	c14	3300	d14	3309	e14	3318	f14	3327	g14	3336	h14	3345	i14	3354	j14	3363	k14	3372	l14	3381	m14	3390	n14	3400	o14	3409	p14	3418	q14	3427	r14	3436	s14	3445	t14	3454	u14	3463	v14	3472	w14	3481	x14	3490	y14	3500	z14	3509	a15	3518	b15	3527	c15	3536	d15	3545	e15	3554	f15	3563	g15	3572	h15	3581	i15	3590	j15	3600	k15	3609	l15	3618	m15	3627	n15	3636	o15	3645	p15	3654	q15	3663	r15	3672	s15	3681	t15	3690	u15	3700	v15	3709	w15	3718	x15	3727	y15	3736	z15	3745	a16	3754	b16	3763	c16	3772	d16	3781	e16	3790	f16	3800	g16	3809	h16	3818	i16	3827	j16	3836	k16	3845	l16	3854	m16	3863	n16	3872	o16	3881	p16	3890	q16	3900	r16	3909	s16	3918	t16	3927	u16	3936	v16	3945	w16	3954	x16	3963	y16	3972	z16	3981	a17	3990	b17	4000	c17	4009	d17	4018	e17	4027	f17	4036	g17	4045	h17	4054	i17	4063	j17	4072	k17	4081	l17	4090	m17	4100	n17	4109	o17	4118	p17	4127	q17	4136	r17	4145	s17	4154	t17	4163	u17	4172	v17	4181	w17	4190	x17	4200	y17	4209	z17	4218	a18	4227	b18	4236	c18	4245	d18	4254	e18	4263	f18	4272	g18	4281	h18	4290	i18	4300	j18	4309	k18	4318	l18	4327	m18	4336	n18	4345	o18	4354	p18	4363	q18	4372	r18	4381	s18	4390	t18	4400	u18	4409	v18	4418	w18	4427	x18	4436	y18	4445	z18	4454	a19	4463	b19	4472	c19	4481	d19	4490	e19	4500	f19	4509	g19	4518	h19	4527	i19	4536	j19	4545	k19	4554	l19	4563	m19	4572	n19	4581	o19	4590	p19	4600	q19	4609	r19	4618	s19	4627	t19	4636	u19	4645	v19	4654	w19	4663	x19	4672	y19	4681	z19	4690	a20	4700	b20	4709	c20	4718	d20	4727	e20	4736	f20	4745	g20	4754	h20	4763	i20	4772	j20	4781	k20	4790	l20	4800	m20	4809	n20	4818	o20	4827	p20	4836	q20	4845	r20	4854	s20	4863	t20	4872	u20	4881	v20	4890	w20	4900	x20	4909	y20	4918	z20	4927	a21	4936	b21	4945	c21	4954	d21	4963	e21	4972	f21	4981	g21	4990	h21	5000	i21	5009	j21	5018	k21	5027	l21	5036	m21	5045	n21	5054	o21	5063	p21	5072	q21	5081	r21	5090	s21	5100	t21	5109	u21	5118	v21	5127	w21	5136	x21	5145	y21	5154	z21	5163	a22	5172	b22	5181	c22	5190	d22	5200	e22	5209	f22	5218	g22	5227	h22	5236	i22	5245	j22	5254	k22	5263	l22	5272	m22	5281	n22	5290	o22	5300	p22	5309	q22	5318	r22	5327	s22	5336	t22	5345	u22	5354	v22	5363	w22	5372	x22	5381	y22	5390	z22	5400	a23	5409	b23	5418	c23	5427	d23	5436	e23	5445	f23	5454	g23	5463	h23	5472	i23	5481	j23	5490	k23	5500	l23	5509	m23	5518	n23	5527	o23	5536	p23	5545	q23	5554	r23	5563	s23	5572	t23	5581	u23	5590	v23	5600	w23	5609	x23	5618	y23	5627	z23	5636	a24	5645	b24	5654	c24	5663	d24	5672	e24	5681	f24	5690	g24	5700	h24	5709	i24	5718	j24	5727	k24	5736	l24	5745	m24	5754	n24	5763	o24	5772	p24	5781	q24	5790	r24	5800	s24	5809	t24	5818	u24	5827	v24	5836	w24	5845	x24	5854	y24	5863	z24	5872	a25	5881	b25	5890	c25	5900	d25	5909	e25	5918	f25	5927	g25	5936	h25	5945	i25	5954	j25	5963	k25	5972	l25	5981	m25	5990	n25	6000	o25	6009	p25	6018	q25	6027	r25	6036	s25	6045	t25	6054	u25	6063	v25	6072	w25	6081	x25	6090	y25	6100	z25	6109	a26	6118	b26	6127	c26	6136	d26	6145	e26	6154	f26	6163	g26	6172	h26	6181	i26	6190	j26	6200	k26	6209	l26	6218	m26	6227	n26	6236	o26	6245	p26	6254	q26	6263	r26	6272	s26	6281	t26	6290	u26	6300	v26	6309	w26	6318	x26	6327	y26	6336	z26	6345	a27	6354	b27	6363	c27	6372	d27	6381	e27	6390	f27	6400	g27	6409	h27	6418	i27	6427	j27	6436	k27	6445	l27	6454	m27	6463	n27	6472	o27	6481	p27	6490	q27	6500	r27	6509	s27	6518	t27	6527	u27	6536	v27	6545	w27	6554	x27	6563	y27	6572	z27	6581	a28	6590	b28	6600	c28	6609	d28	6618	e28	6627	f28	6636	g28	6645	h28	6654	i28	6663	j28	6672	k28	6681	l28	6690	m28	6700	n28	6709	o28	6718	p28	6727	q28	6736	r28	6745	s28	6754	t28	6763	u28

OE980-70, Page 2/16, Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): rgb** (A_j + k26_n27), 000n** (k), w** (l), nnn0** (m), www** (n), colormap = 1, xchart = 8, pchart = 1

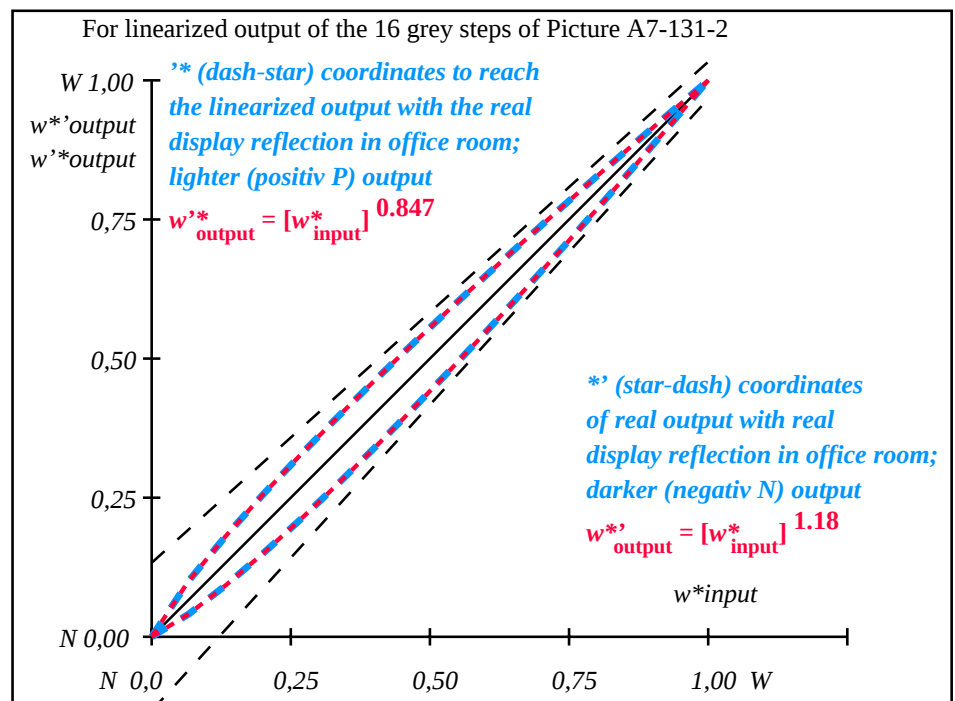
OE98: Test chart 2G with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: 000n/w/cmy0/rgb (->rgb*_{de})
output 130-1: $q_P=1.0$; $q_N=1.08$

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

i	LAB*ref	l*out	LAB*out	LAB*out/c-ref	ΔE*
1	5.69 0.0 0.0	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	0.04 0.0 0.0	9.36 0.0 0.0	-2.3 0.0 0.0	2.31
3	17.65 0.0 0.0	0.09 0.0 0.0	14.01 0.0 0.0	-3.63 0.0 0.0	3.64
4	23.63 0.0 0.0	0.15 0.0 0.0	19.12 0.0 0.0	-4.5 0.0 0.0	4.51
5	29.62 0.0 0.0	0.21 0.0 0.0	24.55 0.0 0.0	-5.06 0.0 0.0	5.07
6	35.6 0.0 0.0	0.27 0.0 0.0	30.23 0.0 0.0	-5.36 0.0 0.0	5.37
7	41.58 0.0 0.0	0.34 0.0 0.0	36.12 0.0 0.0	-5.45 0.0 0.0	5.46
8	47.56 0.0 0.0	0.41 0.0 0.0	42.19 0.0 0.0	-5.36 0.0 0.0	5.37
9	53.54 0.0 0.0	0.48 0.0 0.0	48.42 0.0 0.0	-5.11 0.0 0.0	5.12
10	59.52 0.0 0.0	0.55 0.0 0.0	54.79 0.0 0.0	-4.72 0.0 0.0	4.73
11	65.5 0.0 0.0	0.62 0.0 0.0	61.29 0.0 0.0	-4.2 0.0 0.0	4.21
12	71.48 0.0 0.0	0.69 0.0 0.0	67.91 0.0 0.0	-3.56 0.0 0.0	3.57
13	77.47 0.0 0.0	0.77 0.0 0.0	74.64 0.0 0.0	-2.82 0.0 0.0	2.83
14	83.45 0.0 0.0	0.84 0.0 0.0	81.47 0.0 0.0	-1.97 0.0 0.0	1.98
15	89.43 0.0 0.0	0.92 0.0 0.0	88.4 0.0 0.0	-1.02 0.0 0.0	1.03
16	95.41 0.0 0.0	1.0 0.0 0.0	95.41 0.0 0.0	0.0 0.0 0.0	0.01
17	5.69 0.0 0.0	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	0.19 0.0 0.0	23.17 0.0 0.0	-4.94 0.0 0.0	4.95
19	50.55 0.0 0.0	0.44 0.0 0.0	45.29 0.0 0.0	-5.25 0.0 0.0	5.26
20	72.98 0.0 0.0	0.71 0.0 0.0	69.58 0.0 0.0	-3.39 0.0 0.0	3.4
21	95.41 0.0 0.0	1.0 0.0 0.0	95.41 0.0 0.0	0.0 0.0 0.0	0.01
Mean lightness difference (16 steps)					$\Delta E^*_{CIELAB} = 3.4$
Mean lightness difference (5 steps)					$\Delta L^*_{CIELAB} = 2.7$
Mean colour reproduction index:					$R^*_{ab,m} = 85$

OE980-3A-131-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



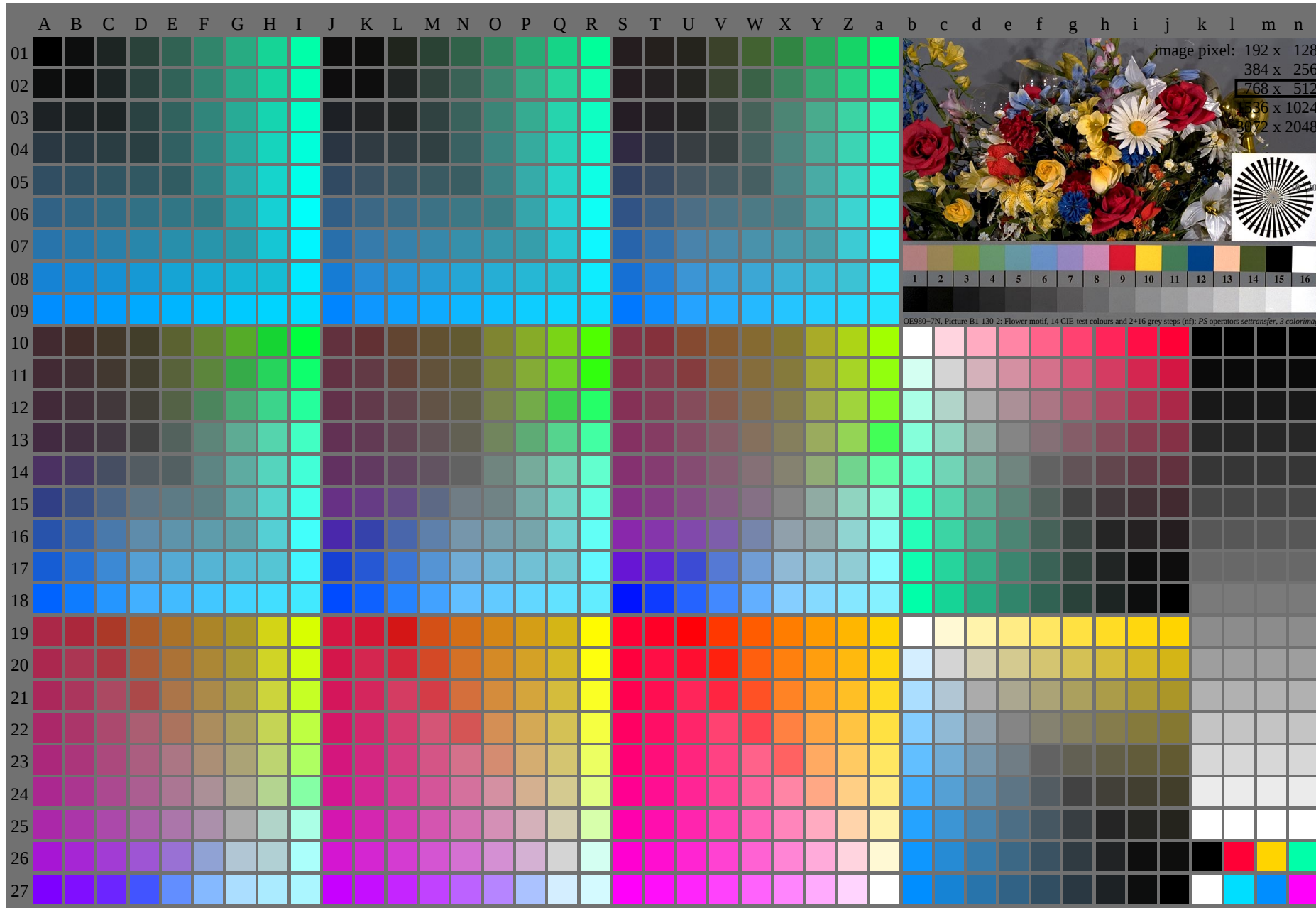
$L^*/Y_{intended}$ (absolute)	5.7/0.6	11.7/1.4	17.7/2.4	23.6/4.0	29.6/6.1	35.6/8.8	41.6/12.2	47.6/16.5	53.5/21.5	59.5/27.6	65.5/34.7	71.5/42.9	77.5/52.3	83.4/63.0	89.4/75.1	95.4/88.6
$w^* w^* w^*$ setrgb $g_N=1.08$ No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	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

OE980-7N, Picture A7-131-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*_{setrgbcolor}$

OE98: 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: 000n/w/cmy0/rgb (->rgb*de
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



OE980-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): $rgb^* \cdot (A_n)$, colorm = 1, xchart = 16, pchart = 0

OE98: Test chart 2G with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: 000n/w/cmy0/rgb (-> rgb^*_{de})
output 130-0: $g_P=1.0$; $g_N=1.17$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

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

[illegible]

OE980-70, Page 2/16, Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): rgb* (A_j + k26_n27), 000n** (k), w** (l), nnn0** (m), www** (n), colorm = 1, xchart = 16, pchart =

OE98: Test chart 2G with 40x27=1080 colours; 1MR, DE
Digital equidistant 9 or 16 step colour scales

input: 000n/w/cmy0/rgb (->rgb*de
output 130-1: $q_P=1.0$; $q_N=1.17$

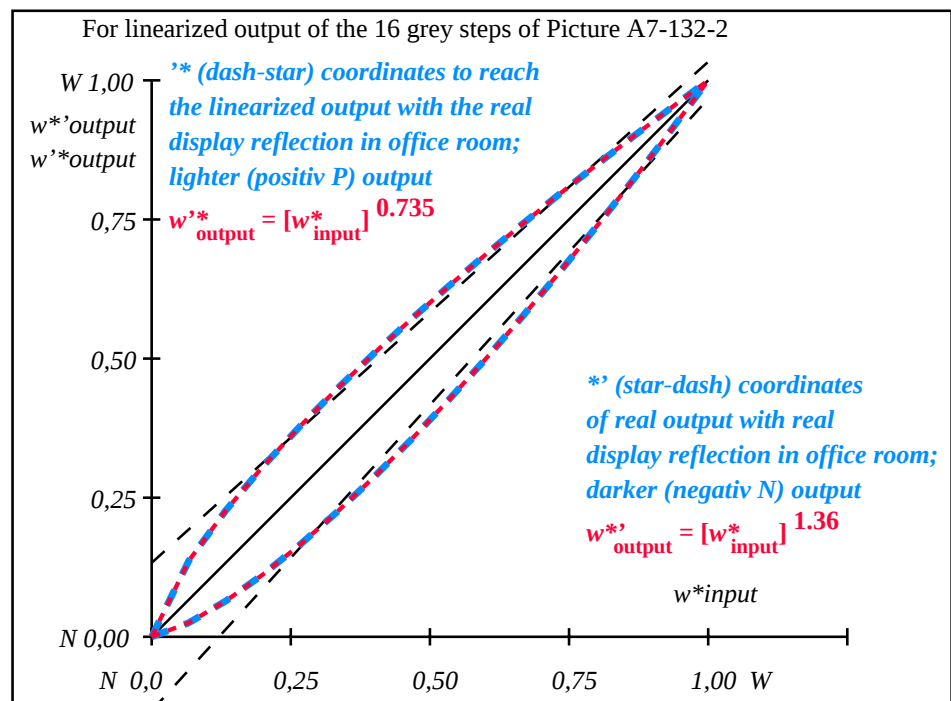
TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS TUB material: code=th4t4t4
application for output of displays: monitor systems or data projector systems

TUB material: code=rh4ta

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

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 0.0 0.0	0.01
2	16.62 0.0 0.0	0.03 13.12 0.0	0.0 0.0 -3.49	0.0 0.0 0.0	3.5
3	22.25 0.0 0.0	0.06 16.44 0.0	0.0 0.0 -5.8	0.0 0.0 0.0	5.81
4	27.88 0.0 0.0	0.11 20.45 0.0	0.0 0.0 -7.41	0.0 0.0 0.0	7.42
5	33.5 0.0 0.0	0.17 24.98 0.0	0.0 0.0 -8.51	0.0 0.0 0.0	8.52
6	39.13 0.0 0.0	0.22 29.94 0.0	0.0 0.0 -9.18	0.0 0.0 0.0	9.19
7	44.76 0.0 0.0	0.29 35.27 0.0	0.0 0.0 -9.48	0.0 0.0 0.0	9.49
8	50.39 0.0 0.0	0.35 40.93 0.0	0.0 0.0 -9.44	0.0 0.0 0.0	9.45
9	56.02 0.0 0.0	0.43 46.9 0.0	0.0 0.0 -9.11	0.0 0.0 0.0	9.12
10	61.64 0.0 0.0	0.5 53.13 0.0	0.0 0.0 -8.5	0.0 0.0 0.0	8.51
11	67.27 0.0 0.0	0.58 59.63 0.0	0.0 0.0 -7.63	0.0 0.0 0.0	7.64
12	72.9 0.0 0.0	0.66 66.36 0.0	0.0 0.0 -6.53	0.0 0.0 0.0	6.54
13	78.53 0.0 0.0	0.74 73.31 0.0	0.0 0.0 -5.2	0.0 0.0 0.0	5.21
14	84.15 0.0 0.0	0.82 80.48 0.0	0.0 0.0 -3.66	0.0 0.0 0.0	3.67
15	89.78 0.0 0.0	0.91 87.85 0.0	0.0 -1.92	0.0 0.0 1.93	Mean lightness difference (16 steps)
16	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.01	$\Delta E^*_{CIELAB} = 6.0$
17	10.99 0.0 0.0	0.0 10.99 0.0	0.0 0.0 0.0	0.0 0.0 0.01	
18	32.1 0.0 0.0	0.15 23.81 0.0	0.0 0.0 -8.28	0.0 0.0 8.29	
19	53.2 0.0 0.0	0.39 43.88 0.0	0.0 0.0 -9.31	0.0 0.0 9.32	
20	74.31 0.0 0.0	0.68 68.08 0.0	0.0 0.0 -6.22	0.0 0.0 6.23	Mean lightness difference (5 steps)
21	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.01	$\Delta L^*_{CIELAB} = 4.8$
Mean colour reproduction index:					$R^*_{ab,m} = 74$

OE980-3A-132-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE981-3N-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

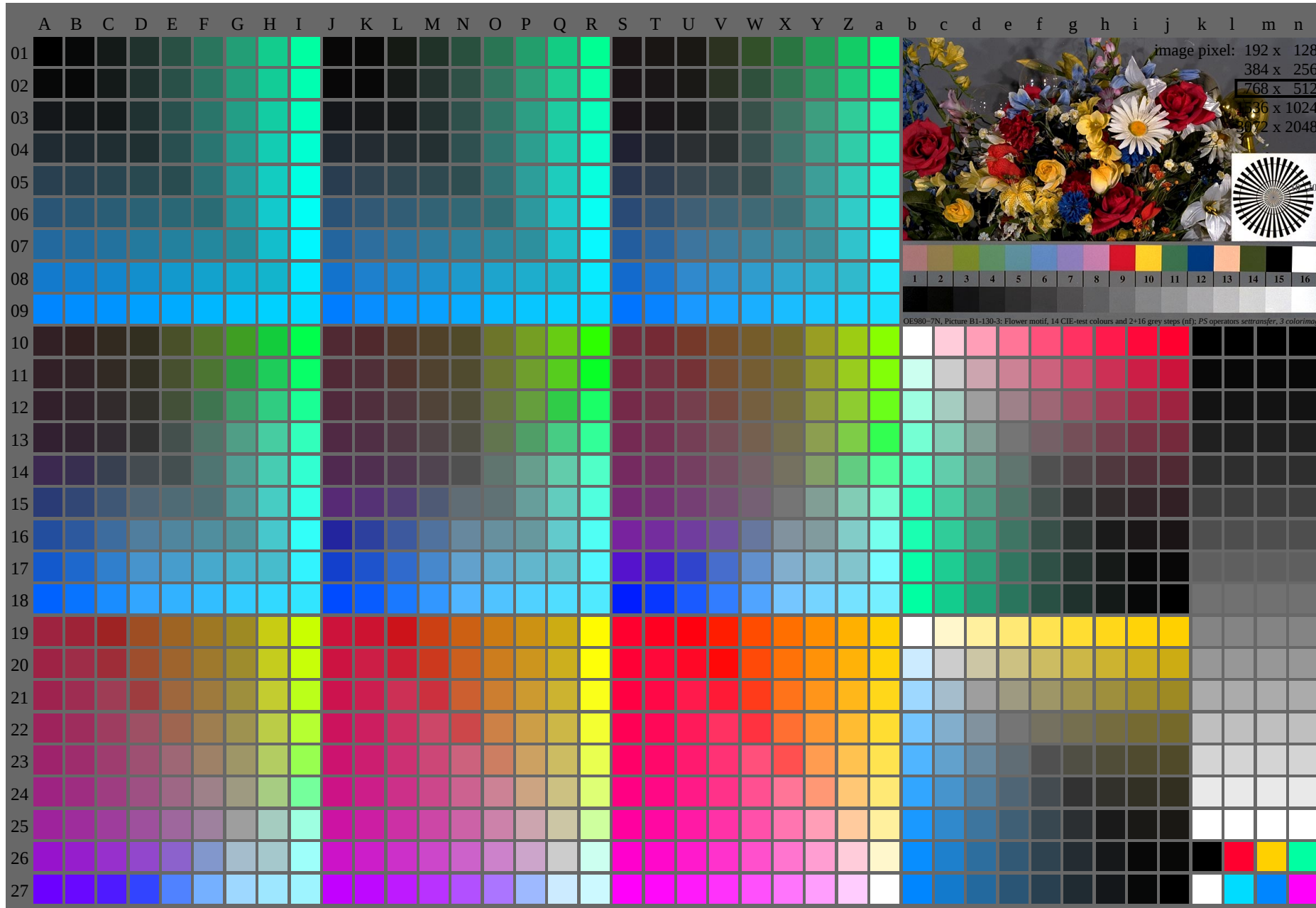
OE980-7N, Picture A7-132-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE98: 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: 000n/w/cmy0/rgb (->rgb*de
output 130-2: $g_P=1.0$; $g_N=1.17$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta

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



OE980-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): $rgb^* \cdot (A_n)$, colorm = 1, xchart = 24, pchart = 0

OE98: Test chart 2G with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: $000n/w/cmy0/rgb$ ($\rightarrow rgb^*_{de}$)
output 130-0: $g_P=1.0$; $g_N=1.29$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

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

	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
0000 A01	0009 B01	0018 C01	0027 D01	0036 E01	0045 F01	0054 G01	0063 H01	0072 I01	0081 J01	0090 K01	0099 L01	0108 M01	0117 N01	0126 O01	0135 P01	0144 Q01	0153 R01	0162 S01	0171 T01	0180 U01	0189 V01	0198 W01	0207 X01	0216 Y01	0225 Z01	0234 a01	0243 b01	0252 c01	0261 d01	0270 e01	0279 f01	0288 g01	0297 h01	0306 i01	0315 j01	0324 k01	0333 l01	0342 m01	0351 n01	0360 o01	0369 p01	0378 q01	0387 r01	0396 s01	0405 t01	0414 u01	0423 v01	0432 w01	0441 x01	0450 y01	0459 z01	0468 A10	0477 B10	0486 C10	0495 D10	0504 E10	0513 F10	0522 G10	0531 H10	0540 I10	0549 J10	0558 K10	0567 L10	0576 M10	0585 N10	0594 O10	0603 P10	0612 Q10	0621 R10	0630 S10	0639 T10	0648 U10	0657 V10	0666 W10	0675 X10	0684 Y10	0693 Z10	0702 A11	0711 B11	0720 C11	0729 D11	0738 E11	0747 F11	0756 G11	0765 H11	0774 I11	0783 J11	0792 K11	0801 L11	0810 M11	0819 N11	0828 O11	0837 P11	0846 Q11	0855 R11	0864 S11	0873 T11	0882 U11	0891 V11	0900 W11	0909 X11	0918 Y11	0927 Z11	0936 A12	0945 B12	0954 C12	0963 D12	0972 E12	0981 F12	0990 G12	0999 H12	1008 I12	1017 J12	1026 K12	1035 L12	1044 M12	1053 N12	1062 O12	1071 P12	1080 Q12	1089 R12	1098 S12	1107 T12	1116 U12	1125 V12	1134 W12	1143 X12	1152 Y12	1161 Z12	1170 A13	1179 B13	1188 C13	1197 D13	1206 E13	1215 F13	1224 G13	1233 H13	1242 I13	1251 J13	1260 K13	1269 L13	1278 M13	1287 N13	1296 O13	1305 P13	1314 Q13	1323 R13	1332 S13	1341 T13	1350 U13	1359 V13	1368 W13	1377 X13	1386 Y13	1395 Z13	1404 A14	1413 B14	1422 C14	1431 D14	1440 E14	1449 F14	1458 G14	1467 H14	1476 I14	1485 J14	1494 K14	1503 L14	1512 M14	1521 N14	1530 O14	1539 P14	1548 Q14	1557 R14	1566 S14	1575 T14	1584 U14	1593 V14	1602 W14	1611 X14	1620 Y14	1629 Z14	1638 A15	1647 B15	1656 C15	1665 D15	1674 E15	1683 F15	1692 G15	1701 H15	1710 I15	1719 J15	1728 K15	1737 L15	1746 M15	1755 N15	1764 O15	1773 P15	1782 Q15	1791 R15	1800 S15	1809 T15	1818 U15	1827 V15	1836 W15	1845 X15	1854 Y15	1863 Z15	1872 A16	1881 B16	1890 C16	1899 D16	1908 E16	1917 F16	1926 G16	1935 H16	1944 I16	1953 J16	1962 K16	1971 L16	1980 M16	1989 N16	1998 O16	2007 P16	2016 Q16	2025 R16	2034 S16	2043 T16	2052 U16	2061 V16	2070 W16	2079 X16	2088 Y16	2097 Z16	2106 A17	2115 B17	2124 C17	2133 D17	2142 E17	2151 F17	2160 G17	2169 H17	2178 I17	2187 J17	2196 K17	2205 L17	2214 M17	2223 N17	2232 O17	2241 P17	2250 Q17	2259 R17	2268 S17	2277 T17	2286 U17	2295 V17	2304 W17	2313 X17	2322 Y17	2331 Z17	2340 A18	2349 B18	2358 C18	2367 D18	2376 E18	2385 F18	2394 G18	2403 H18	2412 I18	2421 J18	2430 K18	2439 L18	2448 M18	2457 N18	2466 O18	2475 P18	2484 Q18	2493 R18	2502 S18	2511 T18	2520 U18	2529 V18	2538 W18	2547 X18	2556 Y18	2565 Z18	2574 A19	2583 B19	2592 C19	2601 D19	2610 E19	2619 F19	2628 G19	2637 H19	2646 I19	2655 J19	2664 K19	2673 L19	2682 M19	2691 N19	2700 O19	2709 P19	2718 Q19	2727 R19	2736 S19	2745 T19	2754 U19	2763 V19	2772 W19	2781 X19	2790 Y19	2799 Z19	2808 A20	2817 B20	2826 C20	2835 D20	2844 E20	2853 F20	2862 G20	2871 H20	2880 I20	2889 J20	2898 K20	2907 L20	2916 M20	2925 N20	2934 O20	2943 P20	2952 Q20	2961 R20	2970 S20	2979 T20	2988 U20	2997 V20	3006 W20	3015 X20	3024 Y20	3033 Z20	3042 A21	3051 B21	3060 C21	3069 D21	3078 E21	3087 F21	3096 G21	3105 H21	3114 I21	3123 J21	3132 K21	3141 L21	3150 M21	3159 N21	3168 O21	3177 P21	3186 Q21	3195 R21	3204 S21	3213 T21	3222 U21	3231 V21	3240 W21	3249 X21	3258 Y21	3267 Z21	3276 A22	3285 B22	3294 C22	3303 D22	3312 E22	3321 F22	3330 G22	3339 H22	3348 I22	3357 J22	3366 K22	3375 L22	3384 M22	3393 N22	3402 O22	3411 P22	3420 Q22	3429 R22	3438 S22	3447 T22	3456 U22	3465 V22	3474 W22	3483 X22	3492 Y22	3501 Z22	3510 A23	3519 B23	3528 C23	3537 D23	3546 E23	3555 F23	3564 G23	3573 H23	3582 I23	3591 J23	3600 K23	3609 L23	3618 M23	3627 N23	3636 O23	3645 P23	3654 Q23	3663 R23	3672 S23	3681 T23	3690 U23	3699 V23	3708 W23	3717 X23	3726 Y23	3735 Z23	3744 A24	3753 B24	3762 C24	3771 D24	3780 E24	3789 F24	3798 G24	3807 H24	3816 I24	3825 J24	3834 K24	3843 L24	3852 M24	3861 N24	3870 O24	3879 P24	3888 Q24	3897 R24	3906 S24	3915 T24	3924 U24	3933 V24	3942 W24	3951 X24	3960 Y24	3969 Z24	3978 A25	3987 B25	3996 C25	4005 D25	4014 E25	4023 F25	4032 G25	4041 H25	4050 I25	4059 J25	4068 K25	4077 L25	4086 M25	4095 N25	4104 O25	4113 P25	4122 Q25	4131 R25	4140 S25	4149 T25	4158 U25	4167 V25	4176 W25	4185 X25	4194 Y25	4203 Z25	4212 A26	4221 B26	4230 C26	4239 D26	4248 E26	4257 F26	4266 G26	4275 H26	4284 I26	4293 J26	4302 K26	4311 L26	4320 M26	4329 N26	4338 O26	4347 P26	4356 Q26	4365 R26	4374 S26	4383 T26	4392 U26	4401 V26	4410 W26	4419 X26	4428 Y26	4437 Z26	4446 A27	4455 B27	4464 C27	4473 D27	4482 E27	4491 F27	4500 G27	4509 H27	4518 I27	4527 J27	4536 K27	4545 L27	4554 M27	4563 N27	4572 O27	4581 P27	4590 Q27	4599 R27	4608 S27	4617 T27	4626 U27	4635 V27	4644 W27	4653 X27	4662 Y27	4671 Z27	4680 A28	4689 B28	4698 C28	4707 D28	4716 E28	4725 F28	4734 G28	4743 H28	4752 I28	4761 J28	4770 K28	4779 L28	4788 M28	4797 N28	4806 O28	4815 P28	4824 Q28	4833 R28	4842 S28	4851 T28	4860 U28	4869 V28	4878 W28	4887 X28	4896 Y28	4905 Z28	4914 A29	4923 B29	4932 C29	4941 D29	4950 E29	4959 F29	4968 G29	4977 H29	4986 I29	4995 J29	5004 K29	5013 L29	5022 M29	5031 N29	5040 O29	5049 P29	5058 Q29	5067 R29	5076 S29	5085 T29	5094 U29	5103 V29	5112 W29	5121 X29	5130 Y29	5139 Z29	5148 A30	5157 B30	5166 C30	5175 D30	5184 E30	5193 F30	5202 G30	5211 H30	5220 I30	5229 J30	5238 K30	5247 L30	5256 M30	5265 N30	5274 O30	5283 P30	5292 Q30	5301 R30	5310 S30	5319 T30	5328 U30	5337 V30	5346 W30	5355 X30	5364 Y30	5373 Z30	5382 A31	5391 B31	5400 C31	5409 D31	5418 E31	5427 F31	5436 G31	5445 H31	5454 I31	5463 J31	5472 K31	5481 L31	5490 M31	5499 N31	5508 O31	5517 P31	5526 Q31	5535 R31	5544 S31	5553 T31	5562 U31	5571 V31	5580 W31	5589 X31	5598 Y31	5607 Z31	5616 A32	5625 B32	5634 C32	5643 D32	5652 E32	5661 F32	5670 G32	5679 H32	5688 I32	5697 J32	5706 K32	5715 L32	5724 M32	5733 N32	5742 O32	5751 P32	5760 Q32	5769 R32	5778 S32	5787 T32	5796 U32	5805 V32	5814 W32	5823 X32	5832 Y32	5841 Z32	5850 A33	5859 B33	5868 C33	5877 D33	5886 E33	5895 F33	5904 G33	5913 H33	5922 I33	5931 J33	5940 K33	5949 L33	5958 M33	5967 N33	5976 O33	5985 P33	5994 Q33	6003 R33	6012 S33	6021 T33	6030 U33	6039 V33	6048 W33	6057 X33	6066 Y33	6075 Z33	6084 A34	6093 B34	6102 C34	6111 D34	6120 E34	6129 F34	6138 G34	6147 H34	6156 I34	6165 J34	6174 K34	6183 L34	6192 M34	6201 N34	6210 O34	6219 P34	6228 Q34	6237 R34	6246 S34	6255 T34	6264 U34	6273 V34	6282 W34	6291 X34	6300 Y34	6309 Z34	6318 A35	6327 B35	6336 C35	6345 D35	6354 E35	6363 F35	6372 G35	6381 H35	6390 I35	6399 J35	6408 K35	6417 L35	6426 M35	6435 N35	6444 O35	6453 P35	6462 Q35	6471 R35	6480 S35	6489 T35	6498 U35	6507 V35	6516 W35	6525 X35	6534 Y35	6543 Z35	6552 A36	6561 B36	6570 C36	6579 D36	6588 E36	6597 F36	6606 G36	6615 H36	6624 I36	6633 J36	6642 K36	6651 L36	6660 M36	6669 N36	6678 O36	6687 P36	6696 Q36	6705 R36	6714 S36	6723 T36	6732 U36	6741 V36	6750 W36	6759 X36	6768 Y36	6777 Z36	6786 A37	6795 B37	6804 C37	6813 D37	6822 E37	6831 F37	6840 G37	6849 H37	6858 I37	6867 J37	6876 K37	6885 L37	6894 M37	6903 N37	6912 O37	6921 P37	6930 Q37	6939 R37	6948 S37	6957 T37	6966 U37	6975 V37	6984 W37	6993 X37	7002 Y37	7011 Z37	7020 A38	7029 B38	7038 C38	7047 D38	7056 E38	7065 F38	7074 G38	7083 H38	7092 I38	7101 J38	7110 K38	7119 L38	7128 M38	7137 N38	7146 O38	7155 P38	7164 Q38	7173 R38	7182 S38	7191 T38	7200 U38	7209 V38	7218 W38	7227 X38	7236 Y38	7245 Z38	7254 A39	7263 B39	7272 C39	7281 D39	7290 E39	7299 F39	7308 G39	7317 H39	7326 I39	7335 J39	7344 K39	7353 L39	7362 M39	7371 N39	7380 O39	7389 P39	7398 Q39	74

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

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 0.0 0.0	0.01
2	23.17 0.0 0.0	0.02 19.2 0.0	0.0 0.0 0.0	-3.95 0.0 0.0	3.96
3	28.33 0.0 0.0	0.04 21.49 0.0	0.0 0.0 0.0	-6.83 0.0 0.0	6.84
4	33.49 0.0 0.0	0.08 24.5 0.0	0.0 0.0 0.0	-8.98 0.0 0.0	8.99
5	38.65 0.0 0.0	0.13 28.12 0.0	0.0 0.0 0.0	-10.52 0.0 0.0	10.53
6	43.81 0.0 0.0	0.18 32.26 0.0	0.0 0.0 0.0	-11.53 0.0 0.0	11.54
7	48.97 0.0 0.0	0.24 36.89 0.0	0.0 0.0 0.0	-12.07 0.0 0.0	12.08
8	54.13 0.0 0.0	0.31 41.94 0.0	0.0 0.0 0.0	-12.18 0.0 0.0	12.19
9	59.29 0.0 0.0	0.38 47.41 0.0	0.0 0.0 0.0	-11.87 0.0 0.0	11.88
10	64.45 0.0 0.0	0.46 53.25 0.0	0.0 0.0 0.0	-11.19 0.0 0.0	11.2
11	69.61 0.0 0.0	0.54 59.46 0.0	0.0 0.0 0.0	-10.14 0.0 0.0	10.15
12	74.77 0.0 0.0	0.62 66.02 0.0	0.0 0.0 0.0	-8.74 0.0 0.0	8.75
13	79.93 0.0 0.0	0.71 72.9 0.0	0.0 0.0 0.0	-7.02 0.0 0.0	7.03
14	85.09 0.0 0.0	0.8 80.1 0.0	0.0 0.0 0.0	-4.98 0.0 0.0	4.99
15	90.25 0.0 0.0	0.9 87.61 0.0	0.0 0.0 0.0	-2.63 0.0 0.0	2.64
16	95.41 0.0 0.0	1.0 95.41 0.0	0.0 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 0.0 0.0	0.01
18	37.36 0.0 0.0	0.12 27.16 0.0	0.0 0.0 0.0	-10.19 0.0 0.0	10.2
19	56.71 0.0 0.0	0.34 44.63 0.0	0.0 0.0 0.0	-12.07 0.0 0.0	12.08
20	76.06 0.0 0.0	0.64 67.71 0.0	0.0 0.0 0.0	-8.34 0.0 0.0	8.35
21	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01

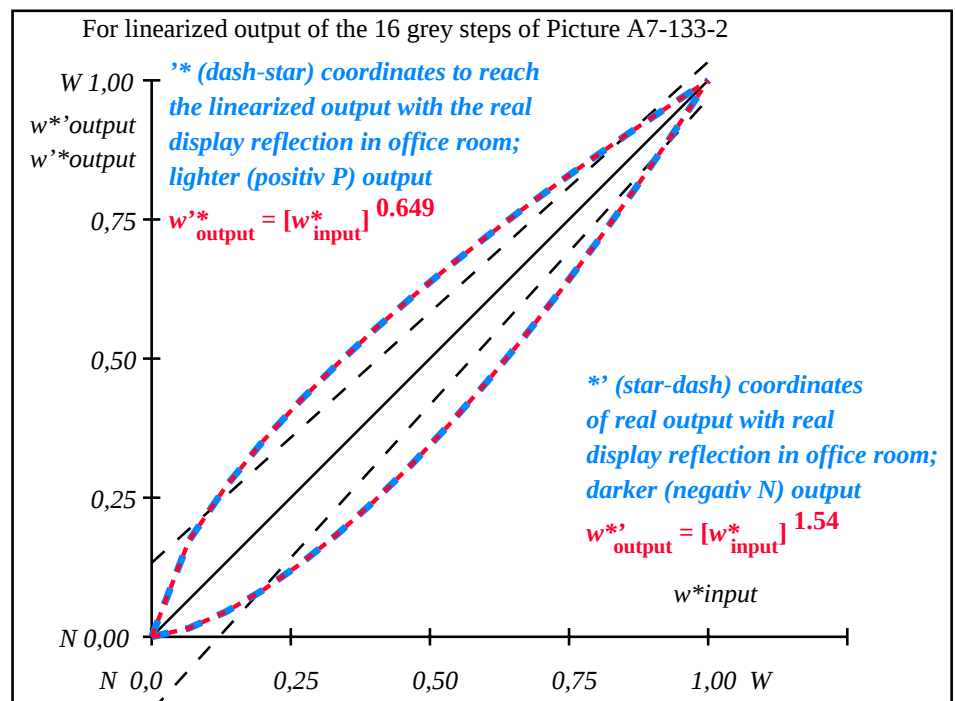
Start output S1
Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G

Mean lightness difference (16 steps)
 $\Delta E^*_{CIELAB} = 7.7$

Mean lightness difference (5 steps)
 $\Delta L^*_{CIELAB} = 6.1$

Mean colour reproduction index: $R^*_{ab,m} = 66$

OE980-3A-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE981-3N-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

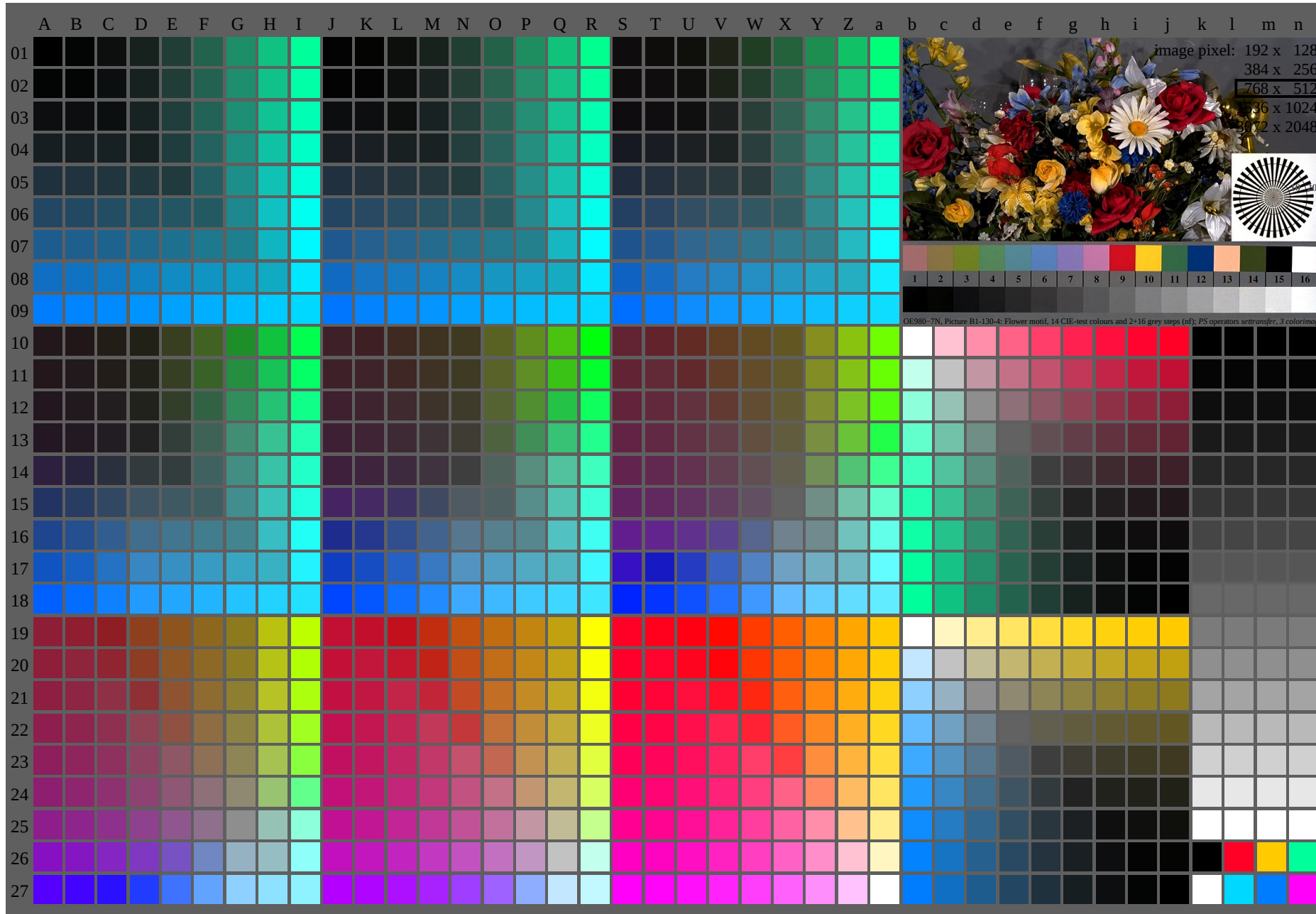
OE980-7N, Picture A7-133-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*_{setrgbcolor}$

OE98: 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: 000n/w/cmy0/rgb (->rgb*de
output 130-2: $g_P=1.0$; $g_N=1.29$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta

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



OE980-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): rgb^*_{de} (A-n), colorm = 1, xchart = 32, pchart = 0

OE98: Test chart 2G with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: $000n/w/cmy0/rgb$ ($\rightarrow rgb^*_{de}$)
output 130-0: $g_p=1.0$; $g_N=1.42$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

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

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 0.0 0.0	0.01
2	31.42 0.0 0.0	0.01 27.5 0.0	0.0 -3.91 0.0	0.0 0.0 0.0	3.92
3	35.99 0.0 0.0	0.03 28.99 0.0	0.0 -6.99 0.0	0.0 0.0 0.0	7.0
4	40.56 0.0 0.0	0.06 31.15 0.0	0.0 -9.4 0.0	0.0 0.0 0.0	9.41
5	45.13 0.0 0.0	0.1 33.91 0.0	0.0 -11.21 0.0	0.0 0.0 0.0	11.22
6	49.7 0.0 0.0	0.15 37.21 0.0	0.0 -12.48 0.0	0.0 0.0 0.0	12.49
7	54.27 0.0 0.0	0.21 41.03 0.0	0.0 -13.24 0.0	0.0 0.0 0.0	13.25
8	58.84 0.0 0.0	0.27 45.33 0.0	0.0 -13.5 0.0	0.0 0.0 0.0	13.51
9	63.41 0.0 0.0	0.34 50.1 0.0	0.0 -13.3 0.0	0.0 0.0 0.0	13.31
10	67.99 0.0 0.0	0.42 55.33 0.0	0.0 -12.65 0.0	0.0 0.0 0.0	12.66
11	72.56 0.0 0.0	0.5 60.98 0.0	0.0 -11.56 0.0	0.0 0.0 0.0	11.57
12	77.13 0.0 0.0	0.59 67.06 0.0	0.0 -10.05 0.0	0.0 0.0 0.0	10.06
13	81.7 0.0 0.0	0.68 73.56 0.0	0.0 -8.13 0.0	0.0 0.0 0.0	8.14
14	86.27 0.0 0.0	0.78 80.45 0.0	0.0 -5.81 0.0	0.0 0.0 0.0	5.82
15	90.84 0.0 0.0	0.89 87.74 0.0	0.0 -3.09 0.0	0.0 0.0 0.0	3.1
16	95.41 0.0 0.0	1.0 95.41 0.0	0.0 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 0.0 0.0	0.01
18	43.99 0.0 0.0	0.09 33.17 0.0	0.0 -10.81 0.0	0.0 0.0 0.0	10.82
19	61.13 0.0 0.0	0.3 47.66 0.0	0.0 -13.46 0.0	0.0 0.0 0.0	13.47
20	78.27 0.0 0.0	0.61 68.65 0.0	0.0 -9.61 0.0	0.0 0.0 0.0	9.62
21	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01

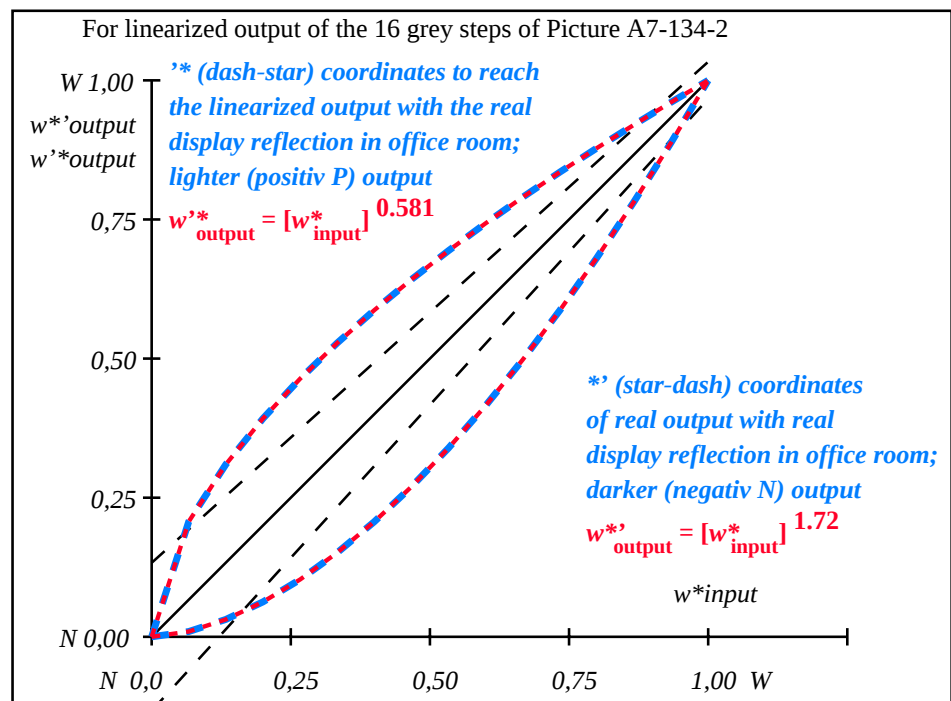
Start output S1
Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G

Mean lightness difference (16 steps)
 $\Delta E^*_{CIELAB} = 8.5$

Mean lightness difference (5 steps)
 $\Delta L^*_{CIELAB} = 6.8$

Mean colour reproduction index: $R^*_{ab,m} = 63$

OE980-3A-134-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE981-3N-134-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

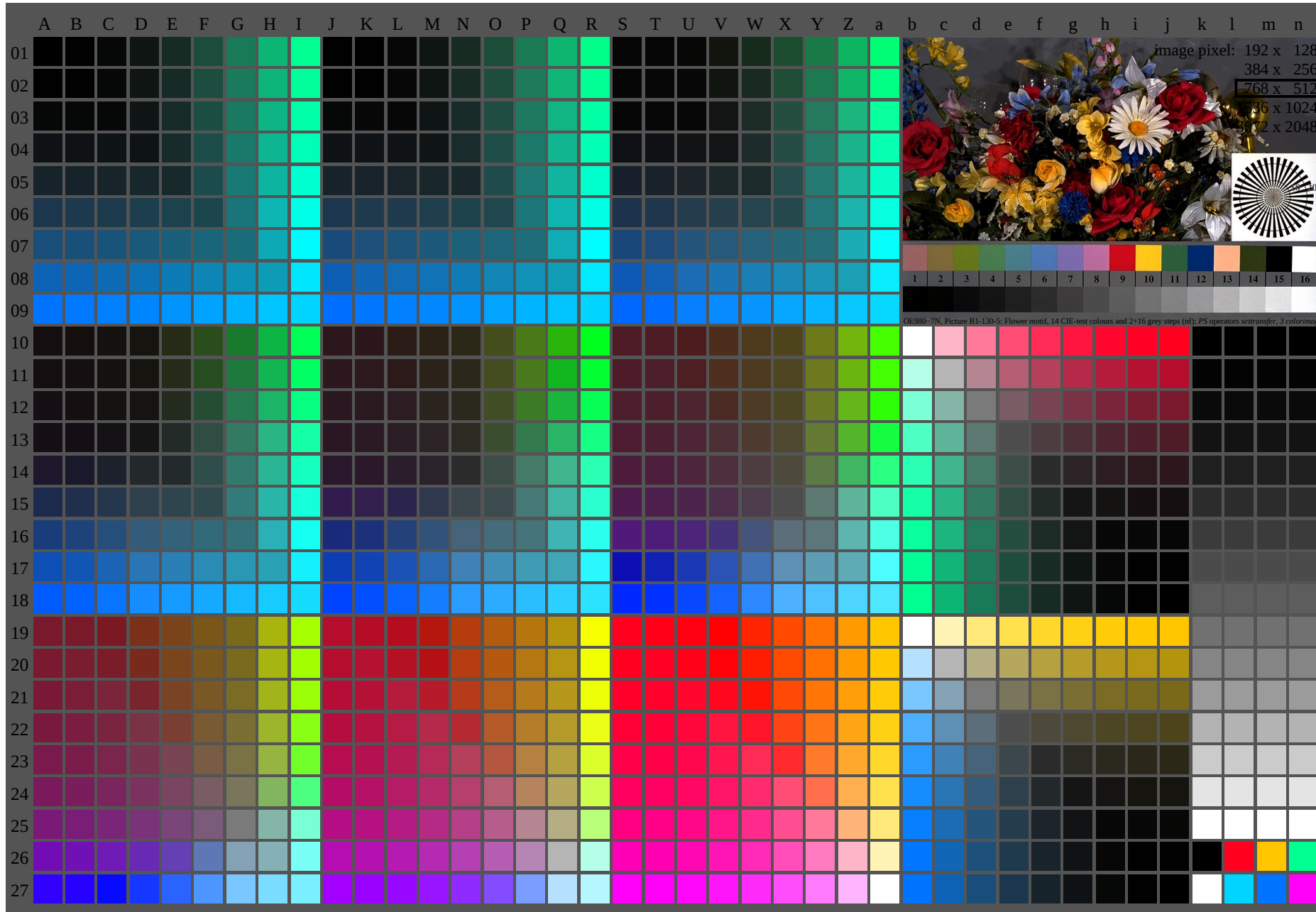
$L^*/Y_{intended}$ (absolute)	26.8/5.0	31.4/6.8	36.0/9.0	40.6/11.6	45.1/14.6	49.7/18.2	54.3/22.2	58.8/26.9	63.4/32.1	68.0/38.0	72.6/44.5	77.1/51.7	81.7/59.7	86.3/68.5	90.8/78.1	95.4/88.6
$w^* w^* w^*$ setrgb																
$g_N=1.43$																
No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	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

OE980-7N, Picture A7-134-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE98: 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: 000n/w/cmy0/rgb (->rgb*de
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



OE980-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): $rgb^* \cdot (A_n)$, colorm = 1, xchart = 40, pchart = 0

OE98: Test chart 2G with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: $000n/w/cmy0/rgb$ ($\rightarrow rgb^*_{de}$)
output 130-0: $g_P=1.0$; $g_N=1.6$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

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

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 0.0 0.0	0.01
2	41.81 0.0 0.0	0.01 38.32 0.0	0.0 0.0 -3.48	0.0 0.0 0.0	3.49
3	45.64 0.0 0.0	0.02 39.23 0.0	0.0 0.0 -6.4	0.0 0.0 0.0	6.41
4	49.47 0.0 0.0	0.05 40.68 0.0	0.0 0.0 -8.78	0.0 0.0 0.0	8.79
5	53.3 0.0 0.0	0.08 42.65 0.0	0.0 0.0 -10.64	0.0 0.0 0.0	10.65
6	57.13 0.0 0.0	0.12 45.11 0.0	0.0 0.0 -12.01	0.0 0.0 0.0	12.02
7	60.96 0.0 0.0	0.18 48.06 0.0	0.0 0.0 -12.89	0.0 0.0 0.0	12.9
8	64.78 0.0 0.0	0.24 51.48 0.0	0.0 0.0 -13.29	0.0 0.0 0.0	13.3
9	68.61 0.0 0.0	0.3 55.38 0.0	0.0 0.0 -13.22	0.0 0.0 0.0	13.23
10	72.44 0.0 0.0	0.38 59.74 0.0	0.0 0.0 -12.69	0.0 0.0 0.0	12.7
11	76.27 0.0 0.0	0.46 64.56 0.0	0.0 0.0 -11.69	0.0 0.0 0.0	11.7
12	80.1 0.0 0.0	0.55 69.84 0.0	0.0 0.0 -10.25	0.0 0.0 0.0	10.26
13	83.93 0.0 0.0	0.65 75.57 0.0	0.0 0.0 -8.35	0.0 0.0 0.0	8.36
14	87.75 0.0 0.0	0.76 81.74 0.0	0.0 0.0 -6.0	0.0 0.0 0.0	6.01
15	91.58 0.0 0.0	0.88 88.35 0.0	0.0 0.0 -3.22	0.0 0.0 0.0	3.23
16	95.41 0.0 0.0	1.0 95.41 0.0	0.0 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 0.0 0.0	0.01
18	52.34 0.0 0.0	0.07 42.11 0.0	0.0 0.0 -10.22	0.0 0.0 0.0	10.23
19	66.7 0.0 0.0	0.27 53.37 0.0	0.0 0.0 -13.32	0.0 0.0 0.0	13.33
20	81.05 0.0 0.0	0.58 71.23 0.0	0.0 0.0 -9.81	0.0 0.0 0.0	9.82
21	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01

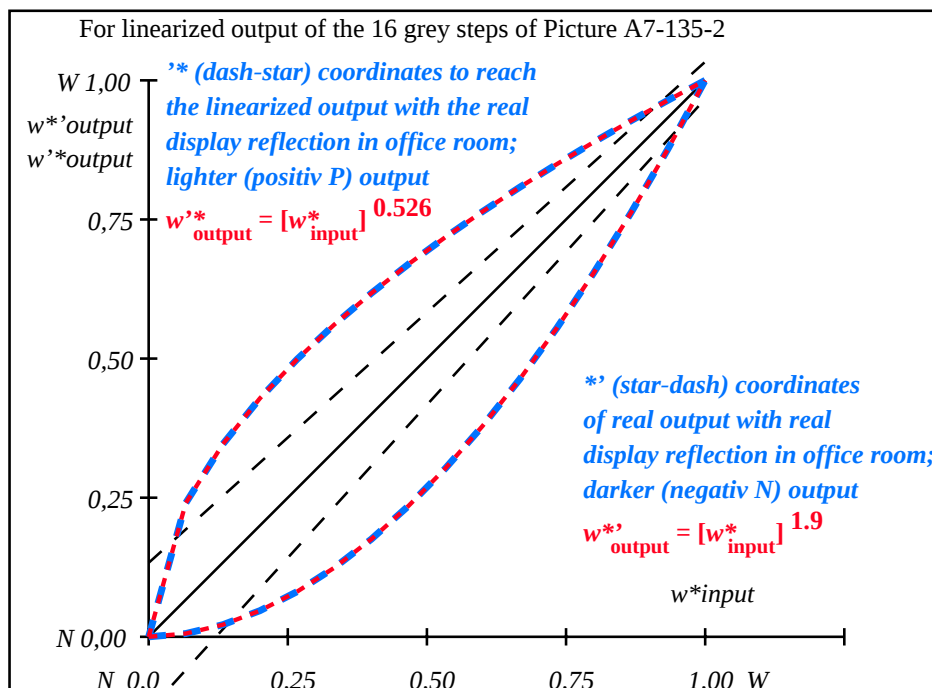
Start output S1
Specification according to
ISO/IEC 15775 Annex G
and DIN 33866-1 Annex G

Mean lightness difference (16 steps)
 $\Delta E^*_{CIELAB} = 8.3$

Mean lightness difference (5 steps)
 $\Delta L^*_{CIELAB} = 6.7$

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

OE980-3A-135-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE981-3N-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																
$g_N=1.6$ 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	0.013	0.04	0.076	0.121	0.172	0.231	0.296	0.365	0.442	0.523	0.608	0.7	0.796	0.895	1.0

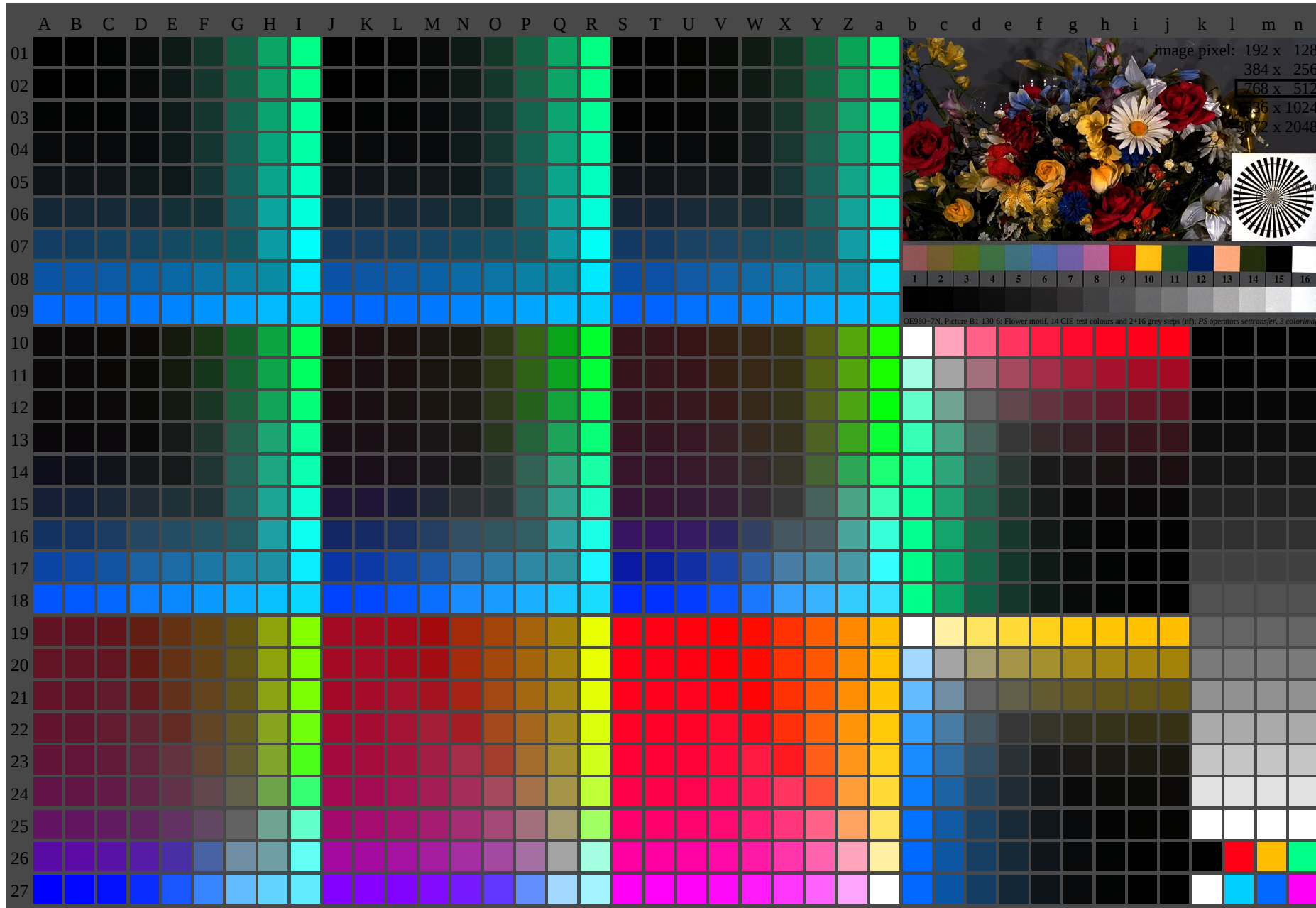
OE980-7N, Picture A7-135-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^* setrgbcolor$

OE98: 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: 000n/w/cmy0/rgb (->rgb*de
output 130-2: $g_P=1.0$; $g_N=1.6$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
TUB material: code=rh4ta
application for output of displays: monitor systems or data projector systems

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



OE980-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): $rgb^* \cdot (A_n)$, colorm = 1, xchart = 48, pchart = 0

OE98: Test chart 2G with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: $000n/w/cmy0/rgb$ ($\rightarrow rgb^*_{de}$)
output 130-0: $g_P=1.0$; $g_N=1.81$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

Technical information: <http://www.ps.ban.de/247051E>, <http://www.ps.ban.de/9241E>, <http://www.ps.ban.de/33872E> Version 2.1, io=1.1, CIE LAB

See similar ISO test charts: <http://www.ps.ban.de/247051E>, <http://www.ps.ban.de/9241E>, <http://www.ps.ban.de/33872E> Version 2.1, io=1.1, CIE LAB

OE98/0E98L0NA.TXT /PS; linearized output, Page 2/3

Output Linearization (OL data OE98/0E98L0NA.TXT /PS in File (F))

TUB registration: 20110801-OE98/0E98L0NA.TXT /PS
application for output of displays: monitor systems or data projector systems

TUB material: code=rha4ta

OE980-70, Page 2/16, Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): $rgb^*(A_j + k26_n27)$, 000n*(k), w*(l), nnm0*(m), www*(n), colormap = 1, xchart = 48, pchart = 1

OE98: Test chart 2G with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: 000n/w/cmy0/rgb (->rgb*_{de})
output 130-1: $g_p=1.0$; $g_N=1.81$

OE98/0E98L0NA.PDF /PS, Page 20/24, FF LM: all->rah: 1MR, DEH
CvNn (4.5:1): ap=1.0; an=1.81 <http://130.149.60.45/~farbmatrik/OE98/0E98L0NA.TXT /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, CIELAB

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 0.0 0.0	0.01
2	54.91 0.0 0.0	0.0 52.17 0.0	0.0 -2.73 0.0	0.0 0.0 0.0	2.74
3	57.8 0.0 0.0	0.02 52.67 0.0	0.0 -5.12 0.0	0.0 0.0 0.0	5.13
4	60.7 0.0 0.0	0.04 53.54 0.0	0.0 -7.14 0.0	0.0 0.0 0.0	7.15
5	63.59 0.0 0.0	0.06 54.79 0.0	0.0 -8.79 0.0	0.0 0.0 0.0	8.8
6	66.48 0.0 0.0	0.1 56.43 0.0	0.0 -10.04 0.0	0.0 0.0 0.0	10.05
7	69.37 0.0 0.0	0.15 58.47 0.0	0.0 -10.89 0.0	0.0 0.0 0.0	10.9
8	72.27 0.0 0.0	0.2 60.91 0.0	0.0 -11.35 0.0	0.0 0.0 0.0	11.36
9	75.16 0.0 0.0	0.27 63.75 0.0	0.0 -11.4 0.0	0.0 0.0 0.0	11.41
10	78.05 0.0 0.0	0.35 67.01 0.0	0.0 -11.03 0.0	0.0 0.0 0.0	11.04
11	80.95 0.0 0.0	0.43 70.69 0.0	0.0 -10.25 0.0	0.0 0.0 0.0	10.26
12	83.84 0.0 0.0	0.52 74.78 0.0	0.0 -9.05 0.0	0.0 0.0 0.0	9.06
13	86.73 0.0 0.0	0.63 79.3 0.0	0.0 -7.42 0.0	0.0 0.0 0.0	7.43
14	89.62 0.0 0.0	0.74 84.24 0.0	0.0 -5.38 0.0	0.0 0.0 0.0	5.39
15	92.52 0.0 0.0	0.87 89.61 0.0	0.0 -2.9 0.0	0.0 0.0 0.0	2.91
16	95.41 0.0 0.0	1.0 95.41 0.0	0.0 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 0.0 0.0	0.01
18	62.87 0.0 0.0	0.06 54.44 0.0	0.0 -8.41 0.0	0.0 0.0 0.0	8.42
19	73.71 0.0 0.0	0.24 62.28 0.0	0.0 -11.42 0.0	0.0 0.0 0.0	11.43
20	84.56 0.0 0.0	0.55 75.87 0.0	0.0 -8.68 0.0	0.0 0.0 0.0	8.69
21	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01

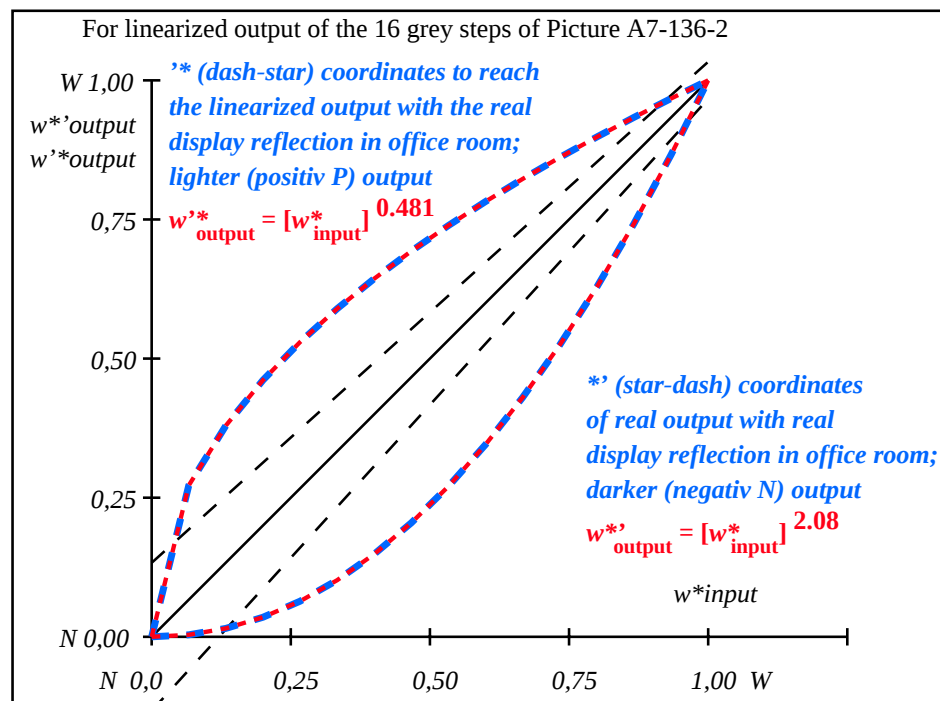
Start output S1
Specification according to
ISO/IEC 15775 Annex G
and DIN 33866-1 Annex G

Mean lightness difference (16 steps)
 $\Delta E^*_{CIELAB} = 7.1$

Mean lightness difference (5 steps)
 $\Delta L^*_{CIELAB} = 5.7$

Mean colour reproduction index: $R^*_{ab,m} = 69$

OE980-3A-136-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE981-3N-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																
$g_N=1.82$ 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	0.007	0.026	0.054	0.091	0.135	0.189	0.25	0.319	0.395	0.479	0.569	0.666	0.771	0.882	1.0

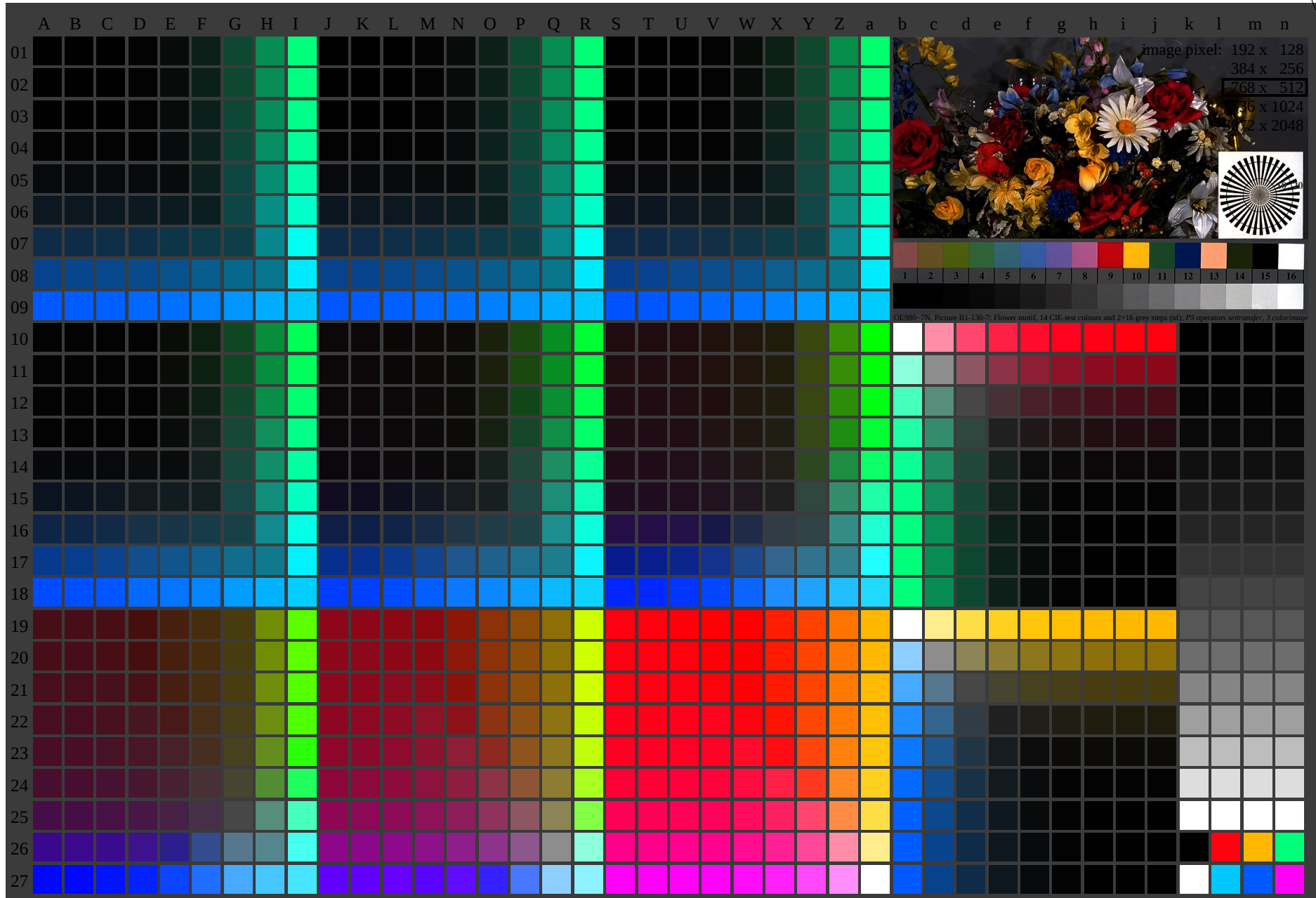
OE980-7N, Picture A7-136-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE98: 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: 000n/w/cmy0/rgb (->rgb*de
output 130-2: $g_P=1.0$; $g_N=1.81$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta

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



OE980-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): $rgb^* \cdot (A_n)$, colorm = 1, xchart = 56, pchart = 0

OE98: Test chart 2G with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: $000n/w/cmy0/rgb$ ($\rightarrow rgb^*_{de}$)
output 130-0: $g_p=1.0$; $g_N=2.1$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

Technical information: <http://www.ps.ban.de/247051E>, <http://www.ps.ban.de/9241E>
Version 2.1, io=1.1, CIE LAB

See similar ISO test charts: <http://www.ps.ban.de/247051E>, <http://www.ps.ban.de/9241E>

TUB registration: 20110801-0E98/0E98L0NA.TXT / .PS
application for output of displays: monitor systems or data projector systems

TUB material: rh4ta4

Output Linearization (OL data 0E98/0E98L0NA.TXT / .PS in File (F))

OE980-70, Page 2/16, Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): $\text{rgb}^*(A_j + k26_n27)$, 000n*(k), w*(l), nnn0*(m), www*(n), colorm = 1, xchart = 56, pchart = 1

OE98: Test chart 2G with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: 000n/w/cmy0/rgb (->rgb*_{de})
output 130-1: $g_p=1.0$; $g_N=2.1$

0E98/0E98L0NA.PDF / .PS Page 23/24. FF LM: all->rah: 1MR DEH
CvNM (225:1): ap=1.0; an=2.1 <http://130.149.60.45/~farbmatrik/0E98/0E98L0NA.TXT / .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, CIELAB

i	LAB*ref	l*out	LAB*out	LAB*out/c-ref	ΔE*
1	69.7 0.0 0.0	69.7 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
2	71.41 0.0 0.0	69.75 0.0 0.0	-1.65 0.0 0.0	0.0 0.0 0.0	1.66
3	73.13 0.0 0.0	69.97 0.0 0.0	-3.15 0.0 0.0	0.0 0.0 0.0	3.16
4	74.84 0.0 0.0	70.37 0.0 0.0	-4.46 0.0 0.0	0.0 0.0 0.0	4.47
5	76.55 0.0 0.0	70.99 0.0 0.0	-5.55 0.0 0.0	0.0 0.0 0.0	5.56
6	78.27 0.0 0.0	71.84 0.0 0.0	-6.41 0.0 0.0	0.0 0.0 0.0	6.42
7	79.98 0.0 0.0	72.94 0.0 0.0	-7.03 0.0 0.0	0.0 0.0 0.0	7.04
8	81.7 0.0 0.0	74.29 0.0 0.0	-7.4 0.0 0.0	0.0 0.0 0.0	7.41
9	83.41 0.0 0.0	75.91 0.0 0.0	-7.49 0.0 0.0	0.0 0.0 0.0	7.5
10	85.12 0.0 0.0	77.8 0.0 0.0	-7.31 0.0 0.0	0.0 0.0 0.0	7.32
11	86.84 0.0 0.0	79.98 0.0 0.0	-6.85 0.0 0.0	0.0 0.0 0.0	6.86
12	88.55 0.0 0.0	82.45 0.0 0.0	-6.09 0.0 0.0	0.0 0.0 0.0	6.1
13	90.27 0.0 0.0	85.23 0.0 0.0	-5.03 0.0 0.0	0.0 0.0 0.0	5.04
14	91.98 0.0 0.0	88.3 0.0 0.0	-3.67 0.0 0.0	0.0 0.0 0.0	3.68
15	93.7 0.0 0.0	91.7 0.0 0.0	-1.99 0.0 0.0	0.0 0.0 0.0	2.0
16	95.41 0.0 0.0	95.41 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
17	69.7 0.0 0.0	69.7 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
18	76.13 0.0 0.0	70.82 0.0 0.0	-5.3 0.0 0.0	0.0 0.0 0.0	5.31
19	82.55 0.0 0.0	75.07 0.0 0.0	-7.48 0.0 0.0	0.0 0.0 0.0	7.49
20	88.98 0.0 0.0	83.12 0.0 0.0	-5.85 0.0 0.0	0.0 0.0 0.0	5.86
21	95.41 0.0 0.0	95.41 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01

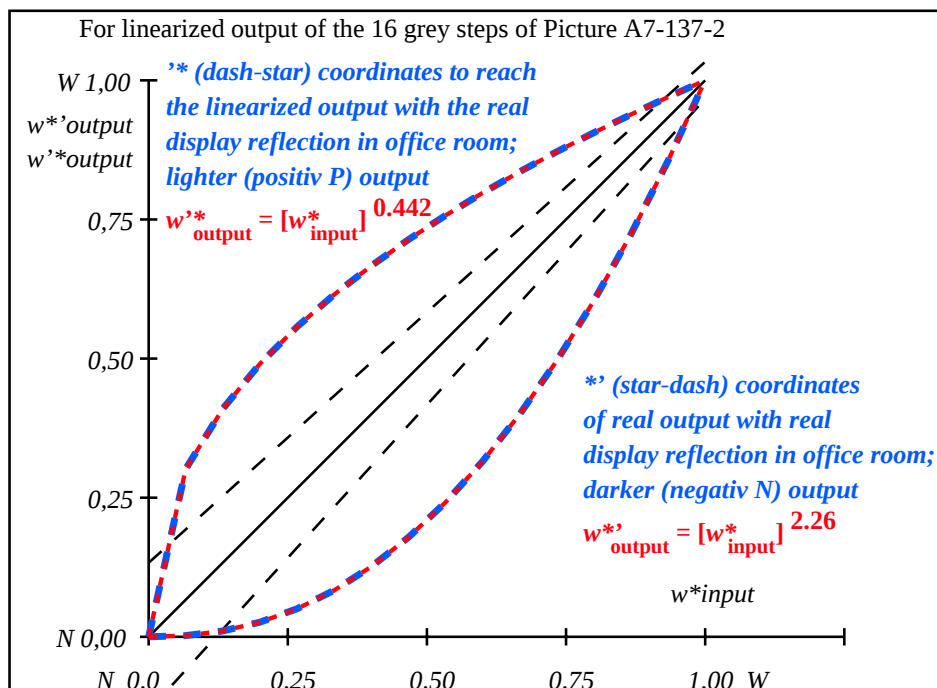
Start output S1
Specification according to
ISO/IEC 15775 Annex G
and DIN 33866-1 Annex G

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

Mean lightness difference (5 steps)
 $\Delta L^*_{CIELAB} = 3.7$

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

OE980-3A-137-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE981-3N-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

OE980-7N, Picture A7-137-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^* setrgbcolor$

OE98: 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: 000n/w/cmy0/rgb (->rgb*de
output 130-2: $g_P=1.0$; $g_N=2.1$

TUB registration: 20110801-OE98/OE98L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta