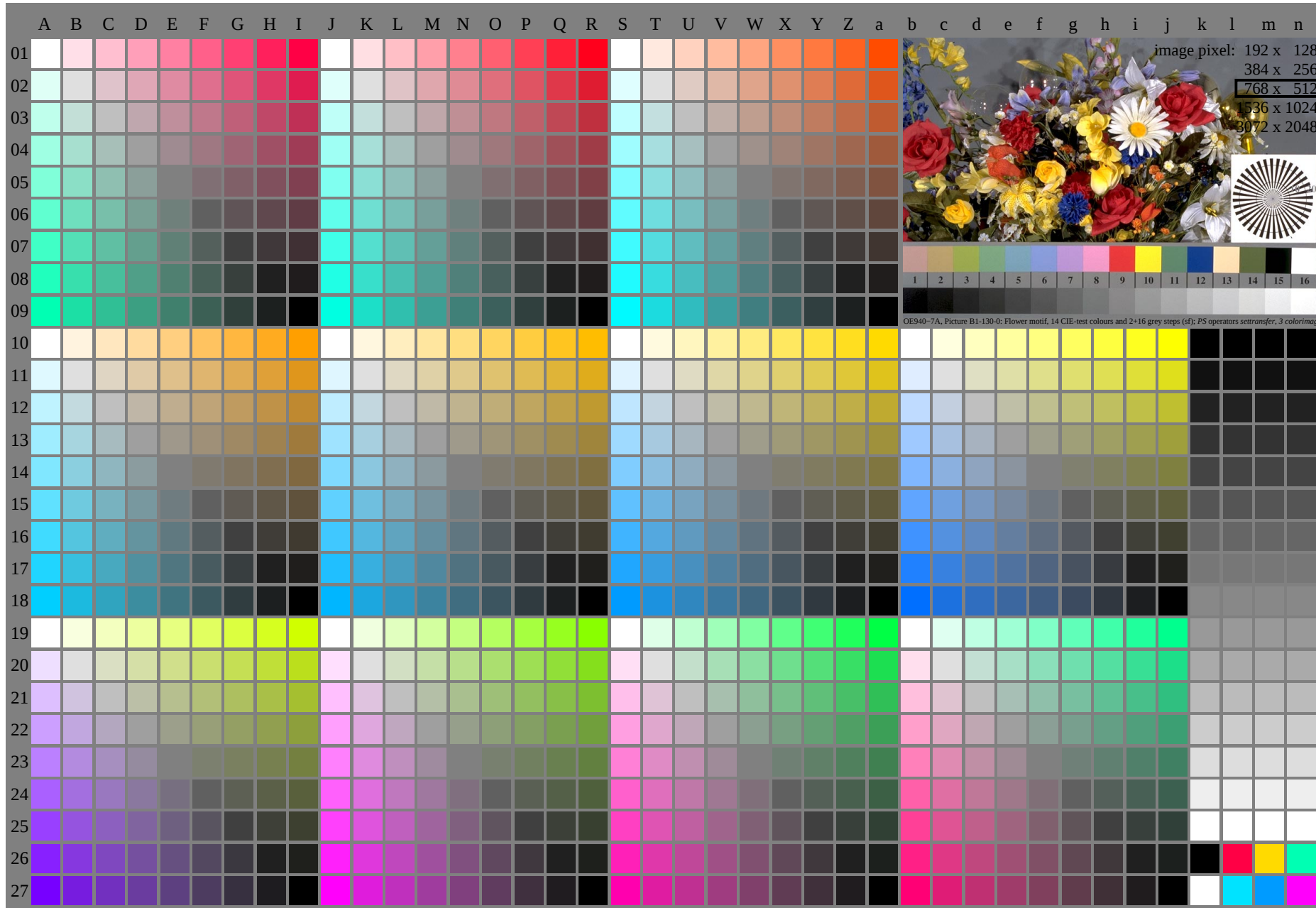


See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



OE990-7N, Page 1/16, Test chart 2E with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): rgb^* (A-n), colorm = 1, xchart = 0, pchart = 0

OE99: Test chart 2E 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-OE99/OE99L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

http://130.149.60.45/~farbmatrik/OE99/OE99L0NA.TXT /.PS; linearized output, Page 2/3
F: Output Linearization (OL) data OE99/OE99L0NA.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	0.002 A03	0.011 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	0.012 B04	0.021 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	0.013 B05	0.022 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	0.014 B06	0.023 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	0.015 B07	0.024 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	0.016 B08	0.025 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	0.017 B09	0.026 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	0.018 B10	0.027 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	0.019 B11	0.028 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	0.020 B12	0.029 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	0.021 B13	0.030 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	0.022 B14	0.031 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	0.023 B15	0.032 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	0.024 B16	0.033 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	0.025 B17	0.034 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	0.026 B18	0.035 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	0.027 B19	0.036 C19	0.045 D19	0.054 E19	0.063 F19	0.072 G19	0.081 I19	0.090 J19	0.099 K19	0.108 M19	0.117 N19	0.126 O19	0.135 P19	0.144 Q19	0.153 R19	0.162 S19	0.171 T19	0.180 U19	0.189 V19	0.198 W19	0.207 X19	0.216 Y19	0.225 Z19	0.234 a19	0.243 b19	0.252 c19	0.261 d19	0.270 e19	0.279 f19	0.288 g19	0.297 h19	0.306 i19	0.315 j19	0.324 k19	0.333 l19	0.342 m19	0.351 n19	0.360 o19	0.369 p19	0.378 q19	0.387 r19	
20	0.000 A20	0.028 B20	0.037 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 X20	0.217 Y20	0.226 Z20	0.235 a20	0.244 b20	0.253 c20	0.262 d20	0.271 e20	0.280 f20	0.289 g20	0.298 h20	0.307 i20	0.316 j20	0.325 k20	0.334 l20	0.343 m20	0.352 n20	0.361 o20	0.370 p20	0.379 q20	0.388 r20	
21	0.000 A21	0.029 B21	0.038 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	0.389 q21	0.398 r21
22	0.000 A22	0.030 B22	0.039 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	0.390 q22	0.399 r22
23	0.000 A23	0.031 B23	0.040 C23	0.049 D23	0.058 E23	0.067 F23	0.076 G23	0.085 I23</																																			

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

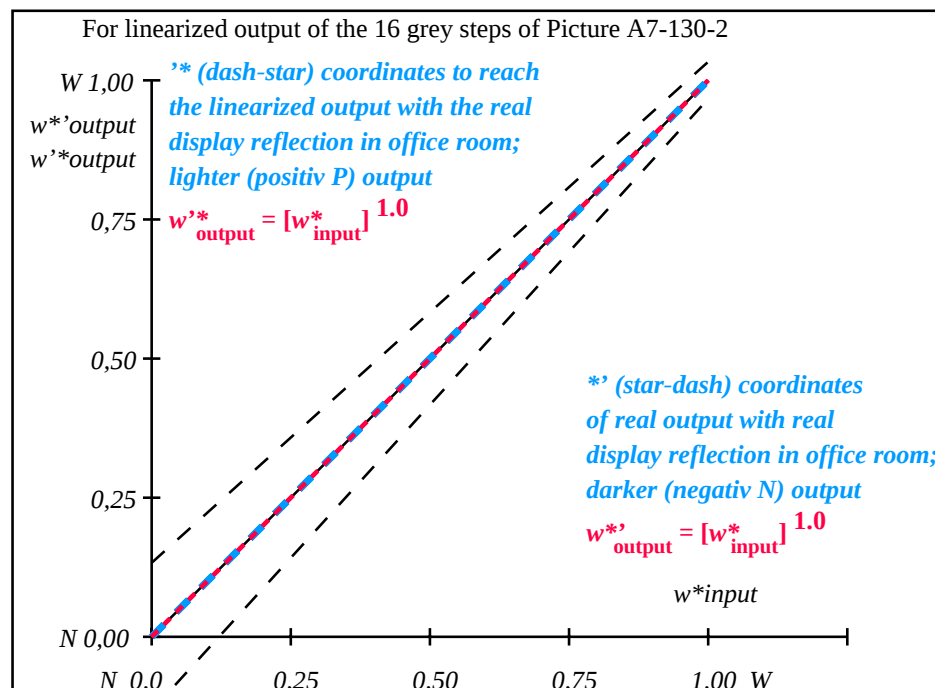
Start output S1
Specification according to
ISO/IEC 15775 Annex G
and DIN 33866-1 Annex G

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

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

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

OE990-3A-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE991-3N-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)	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^*_{intended} w^*_{out}	0.000 0.0	0.067 0.067	0.133 0.133	0.200 0.2	0.267 0.267	0.333 0.333	0.400 0.4	0.467 0.467	0.533 0.533	0.600 0.6	0.667 0.667	0.733 0.733	0.800 0.8	0.867 0.867	0.933 0.933	1.000 1.0

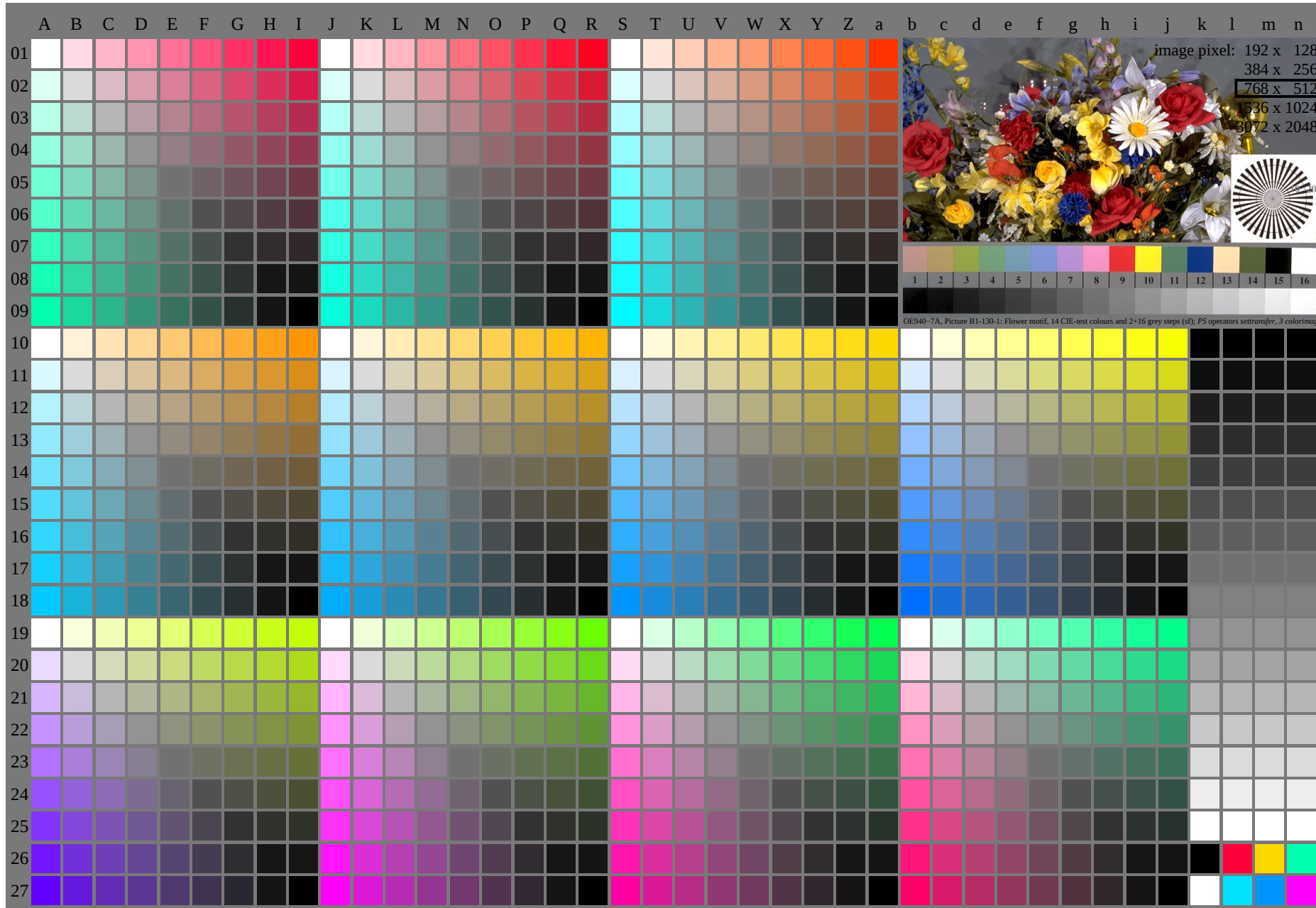
OE990-7N, Picture A7-130-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE99: 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-OE99/OE99L0NA.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



OE990-7N, Page 1/16, Test chart 2E with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): rgb^* (A-n), colorm = 1, xchart = 8, pchart = 0

OE99: Test chart 2E 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: $g_P=1.0$; $g_N=1.08$

TUB registration: 20110801-OE99/OE99L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

F: Output Linearization (OL) data OE99/OE99L0NA.TXT /.PS in File (F)

TUB registration: 20110801-OE99/OE99L0NA.TXT /.PS TUB material: code=rha4ta
application for output of displays: monitor systems or data projector systems

[illegible]

OE990-70, 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 = 8, pchart = 1

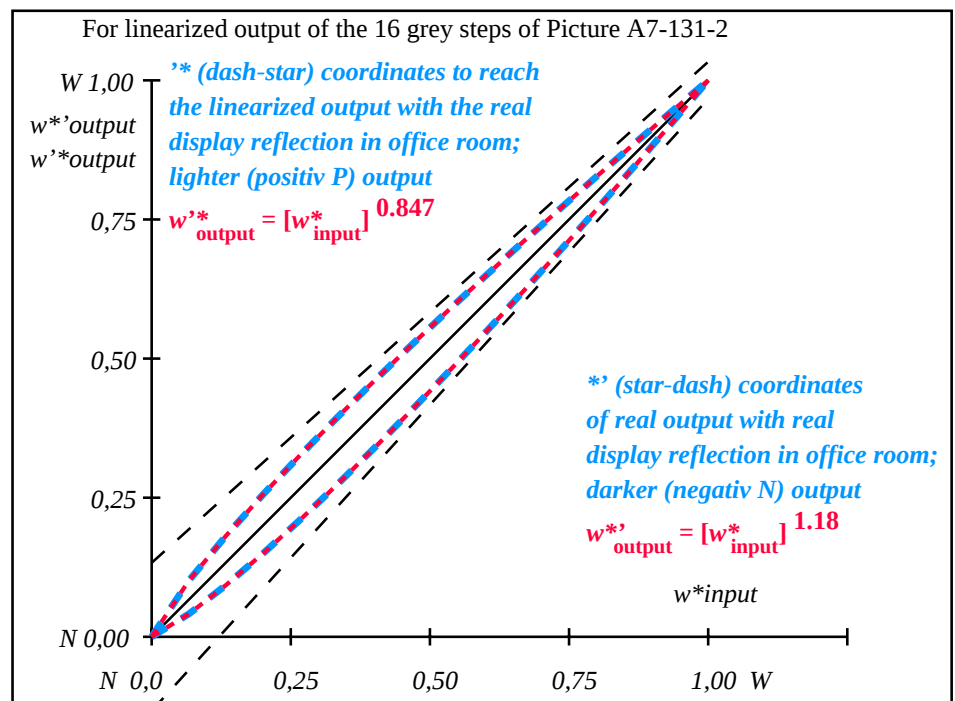
OE99: Test chart 2E with 40x27=1080 colour
Digital equidistant 9 or 16 step colour scales

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:					$R^*_{ab,m} = 85$

OE990-3A-131-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



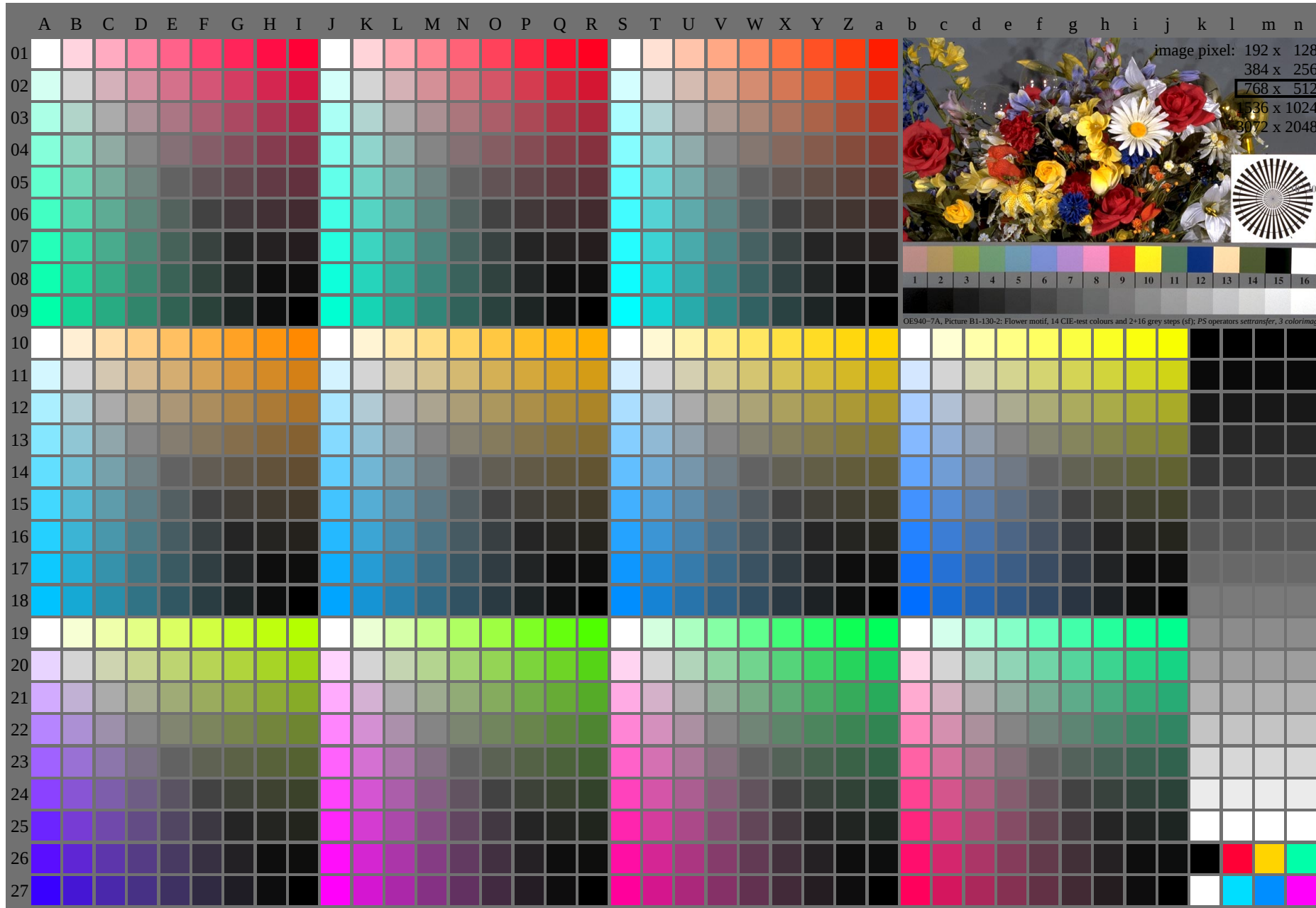
$L^*/Y_{intended}$ (absolute)	5.7/0.6	11.7/1.4	17.7/2.4	23.6/4.0	29.6/6.1	35.6/8.8	41.6/12.2	47.6/16.5	53.5/21.5	59.5/27.6	65.5/34.7	71.5/42.9	77.5/52.3	83.4/63.0	89.4/75.1	95.4/88.6
$w^* w^* w^*$ setrgb $g_N=1.08$ No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2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

OE990-7N, Picture A7-131-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE99: 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



OE99: Test chart 2E with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: 000n/w/cmy0/rgb (->rgb*_de
output 130-0: gp=1.0; gN=1.17

TUB registration: 20110801-OE99/OE99L0NA.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: 20110801-0E99/0E99L0NA.TXT / .PS
application for output of displays: monitor systems or data projector systems

TUB material: code=rha4ta

Output Linearization (OL data 0E99/0E99L0NA.TXT / .PS in File (F))

0E990-70, Page 2/16, Test chart G with 40x27=1080 colours; digital equivalent 9 or 16 step colour scales; Colour data in column (A-n). $rgb^*(A_j + k26_n27)$, $000n^*(k)$, $w^*(l)$, $nnn0^*(m)$, $www^*(n)$, $colorm = 1$, $xchart = 16$, $pchart = 1$

0E99-70: Test chart 2E with 40x27=1080 colours; 1MR, DEH
Digital equivalent 9 or 16 step colour scales

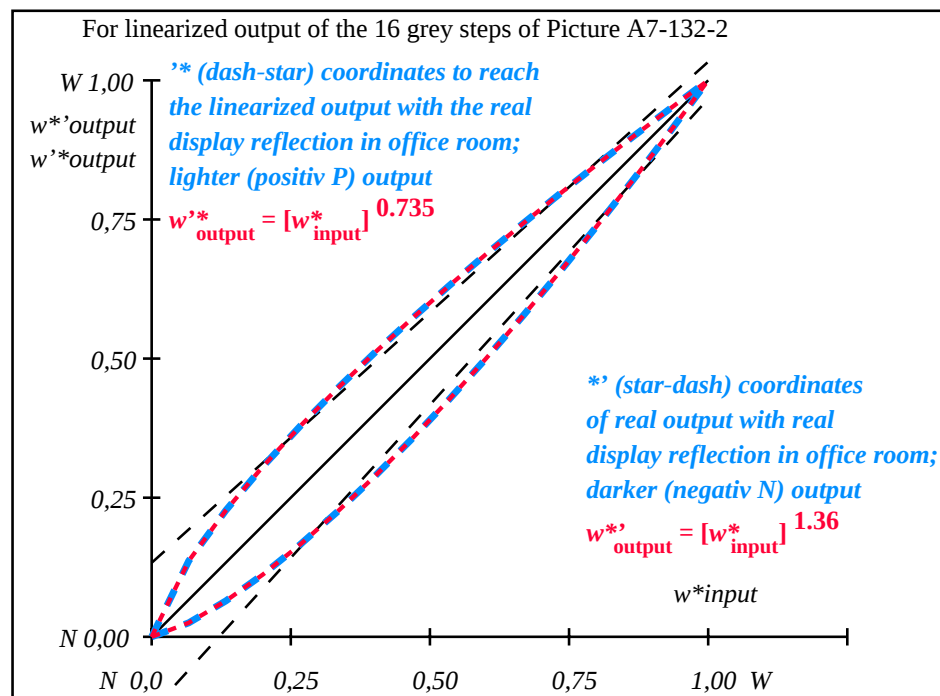
input: 000n/w/cmy0/rgb (->rgb*)
output 130-1: $g_p=1.0$; $g_N=1.17$

0E99/0E99L0NA.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	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 -8.28	0.0 0.0 8.29	
19	53.2 0.0 0.0	0.39 43.88 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 -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:					$R^*_{ab,m} = 74$

OE990-3A-132-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE991-3N-132-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

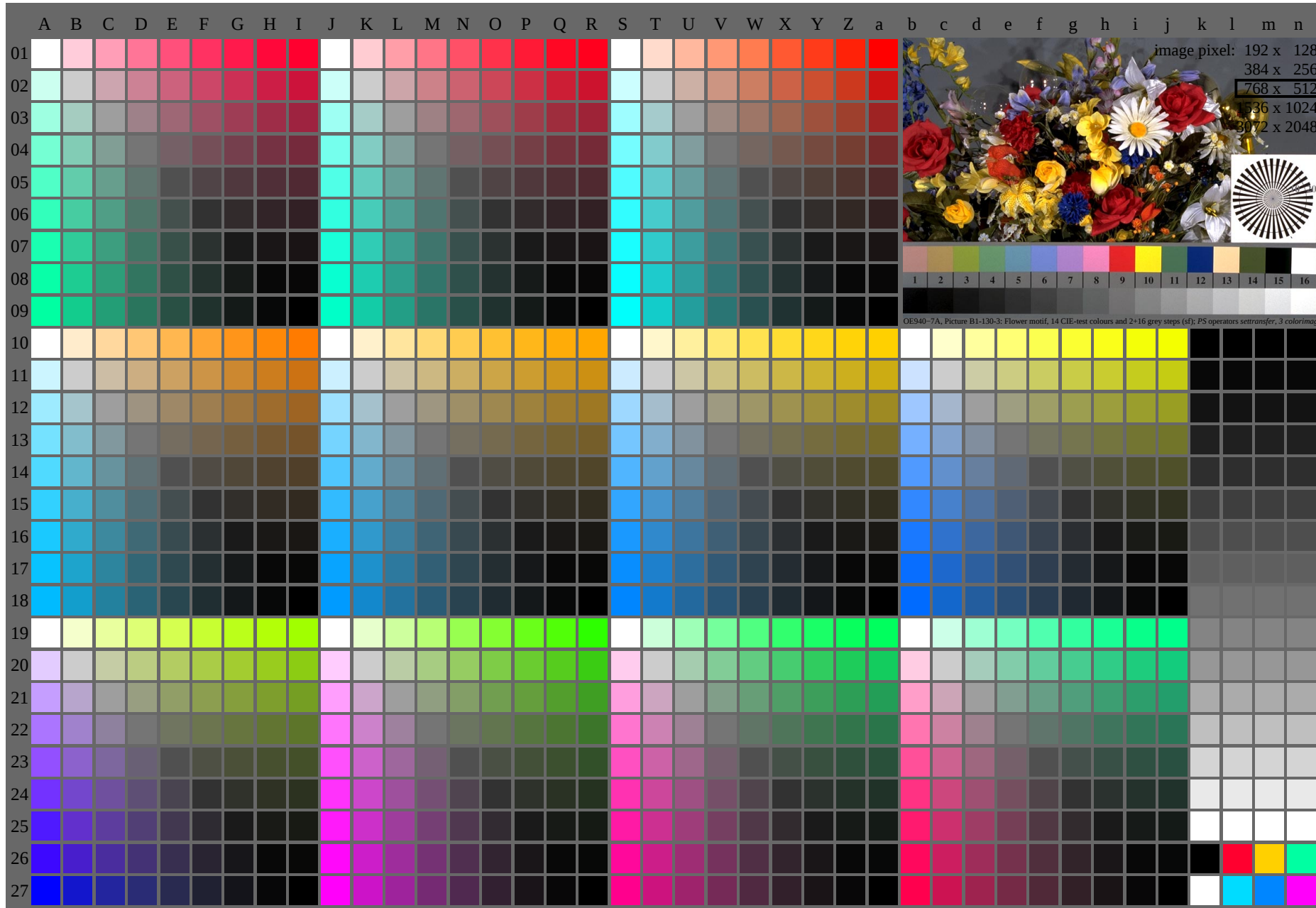
$L^*/Y_{intended}$ (absolute)	11.0/1.3	16.6/2.2	22.2/3.6	27.9/5.4	33.5/7.8	39.1/10.7	44.8/14.4	50.4/18.7	56.0/23.9	61.6/30.0	67.3/37.0	72.9/45.0	78.5/54.1	84.2/64.4	89.8/75.8	95.4/88.6
$w^* w^* w^*$ setrgb $g_N=1.18$ No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	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

OE990-7N, Picture A7-132-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE99: 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: $g_P=1.0$; $g_N=1.17$

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



OE990-7N, Page 1/16, Test chart 2E with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): rgb^* (A-n), colorm = 1, xchart = 24, pchart = 0

OE99: Test chart 2E with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: 000n/w/cmy0/rgb (-> rgb^* de
output 130-0: $g_P=1.0$; $g_N=1.29$

TUB registration: 20110801-OE99/OE99L0NA.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	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 a10	0486 B10	0495 b10	0504 c10	0513 d10	0522 e10	0531 f10	0540 g10	0549 h10	0558 i10	0567 j10	0576 k10	0585 l10	0594 m10	0603 n10	0612 o10	0621 p10	0630 q10	0639 r10	0648 s10	0657 t10	0666 u10	0675 v10	0684 w10	0693 x10	0702 y10	0711 z10	0720 A20	0729 b20	0738 c20	0747 d20	0756 e20	0765 f20	0774 g20	0783 h20	0792 i20	0801 j20	0810 k20	0819 l20	0828 m20	0837 n20	0846 o20	0855 p20	0864 q20	0873 r20	0882 s20	0891 t20	0900 u20	0909 v20	0918 w20	0927 x20	0936 y20	0945 z20	0954 A30	0963 b30	0972 c30	0981 d30	0990 e30	0999 f30	1008 g30	1017 h30	1026 i30	1035 j30	1044 k30	1053 l30	1062 m30	1071 n30	1080 o30	1089 p30	1098 q30	1107 r30	1116 s30	1125 t30	1134 u30	1143 v30	1152 w30	1161 x30	1170 y30	1179 z30	1188 A40	1197 b40	1206 c40	1215 d40	1224 e40	1233 f40	1242 g40	1251 h40	1260 i40	1269 j40	1278 k40	1287 l40	1296 m40	1305 n40	1314 o40	1323 p40	1332 q40	1341 r40	1350 s40	1359 t40	1368 u40	1377 v40	1386 w40	1395 x40	1404 y40	1413 z40	1422 A50	1431 b50	1440 c50	1449 d50	1458 e50	1467 f50	1476 g50	1485 h50	1494 i50	1503 j50	1512 k50	1521 l50	1530 m50	1539 n50	1548 o50	1557 p50	1566 q50	1575 r50	1584 s50	1593 t50	1603 u50	1612 v50	1621 w50	1630 x50	1639 y50	1648 z50	1657 A60	1666 b60	1675 c60	1684 d60	1693 e60	1702 f60	1711 g60	1720 h60	1729 i60	1738 j60	1747 k60	1756 l60	1765 m60	1774 n60	1783 o60	1792 p60	1801 q60	1810 r60	1819 s60	1828 t60	1837 u60	1846 v60	1855 w60	1864 x60	1873 y60	1882 z60	1891 A70	1900 b70	1909 c70	1918 d70	1927 e70	1936 f70	1945 g70	1954 h70	1963 i70	1972 j70	1981 k70	1990 l70	1999 m70	2008 n70	2017 o70	2026 p70	2035 q70	2044 r70	2053 s70	2062 t70	2071 u70	2080 v70	2089 w70	2098 x70	2107 y70	2116 z70	2125 A80	2134 b80	2143 c80	2152 d80	2161 e80	2170 f80	2179 g80	2188 h80	2197 i80	2206 j80	2215 k80	2224 l80	2233 m80	2242 n80	2251 o80	2260 p80	2269 q80	2278 r80	2287 s80	2296 t80	2305 u80	2314 v80	2323 w80	2332 x80	2341 y80	2350 z80	2359 A90	2368 b90	2377 c90	2386 d90	2395 e90	2404 f90	2413 g90	2422 h90	2431 i90	2440 j90	2449 k90	2458 l90	2467 m90	2476 n90	2485 o90	2494 p90	2503 q90	2512 r90	2521 s90	2530 t90	2539 u90	2548 v90	2557 w90	2566 x90	2575 y90	2584 z90	2593 A00	2602 b00	2611 c00	2620 d00	2629 e00	2638 f00	2647 g00	2656 h00	2665 i00	2674 j00	2683 k00	2692 l00	2701 m00	2710 n00	2719 o00	2728 p00	2737 q00	2746 r00	2755 s00	2764 t00	2773 u00	2782 v00	2791 w00	2800 x00	2809 y00	2818 z00	2827 A10	2836 b10	2845 c10	2854 d10	2863 e10	2872 f10	2881 g10	2890 h10	2899 i10	2908 j10	2917 k10	2926 l10	2935 m10	2944 n10	2953 o10	2962 p10	2971 q10	2980 r10	2989 s10	2998 t10	3007 u10	3016 v10	3025 w10	3034 x10	3043 y10	3052 z10	3061 A20	3070 b20	3079 c20	3088 d20	3097 e20	3106 f20	3115 g20	3124 h20	3133 i20	3142 j20	3151 k20	3160 l20	3169 m20	3178 n20	3187 o20	3196 p20	3205 q20	3214 r20	3223 s20	3232 t20	3241 u20	3250 v20	3259 w20	3268 x20	3277 y20	3286 z20	3295 A30	3304 b30	3313 c30	3322 d30	3331 e30	3340 f30	3349 g30	3358 h30	3367 i30	3376 j30	3385 k30	3394 l30	3403 m30	3412 n30	3421 o30	3430 p30	3439 q30	3448 r30	3457 s30	3466 t30	3475 u30	3484 v30	3493 w30	3502 x30	3511 y30	3520 z30	3529 A40	3538 b40	3547 c40	3556 d40	3565 e40	3574 f40	3583 g40	3592 h40	3601 i40	3610 j40	3619 k40	3628 l40	3637 m40	3646 n40	3655 o40	3664 p40	3673 q40	3682 r40	3691 s40	3700 t40	3709 u40	3718 v40	3727 w40	3736 x40	3745 y40	3754 z40	3763 A50	3772 b50	3781 c50	3790 d50	3799 e50	3808 f50	3817 g50	3826 h50	3835 i50	3844 j50	3853 k50	3862 l50	3871 m50	3880 n50	3889 o50	3898 p50	3907 q50	3916 r50	3925 s50	3934 t50	3943 u50	3952 v50	3961 w50	3970 x50	3979 y50	3988 z50	3998 A60	4007 b60	4016 c60	4025 d60	4034 e60	4043 f60	4052 g60	4061 h60	4070 i60	4079 j60	4088 k60	4097 l60	4106 m60	4115 n60	4124 o60	4133 p60	4142 q60	4151 r60	4160 s60	4169 t60	4178 u60	4187 v60	4196 w60	4205 x60	4214 y60	4223 z60	4232 A70	4241 b70	4250 c70	4259 d70	4268 e70	4277 f70	4286 g70	4295 h70	4304 i70	4313 j70	4322 k70	4331 l70	4340 m70	4349 n70	4358 o70	4367 p70	4376 q70	4385 r70	4394 s70	4403 t70	4412 u70	4421 v70	4430 w70	4439 x70	4448 y70	4457 z70	4466 A80	4475 b80	4484 c80	4493 d80	4502 e80	4511 f80	4520 g80	4529 h80	4538 i80	4547 j80	4556 k80	4565 l80	4574 m80	4583 n80	4592 o80	4601 p80	4610 q80	4619 r80	4628 s80	4637 t80	4646 u80	4655 v80	4664 w80	4673 x80	4682 y80	4691 z80	4700 A90	4709 b90	4718 c90	4727 d90	4736 e90	4745 f90	4754 g90	4763 h90	4772 i90	4781 j90	4790 k90	4799 l90	4808 m90	4817 n90	4826 o90	4835 p90	4844 q90	4853 r90	4862 s90	4871 t90	4880 u90	4889 v90	4898 w90	4907 x90	4916 y90	4925 z90	4934 A00	4943 b00	4952 c00	4961 d00	4970 e00	4979 f00	4988 g00	4997 h00	5006 i00	5015 j00	5024 k00	5033 l00	5042 m00	5051 n00	5060 o00	5069 p00	5078 q00	5087 r00	5096 s00	5105 t00	5114 u00	5123 v00	5132 w00	5141 x00	5150 y00	5159 z00	5168 A10	5177 b10	5186 c10	5195 d10	5204 e10	5213 f10	5222 g10	5231 h10	5240 i10	5249 j10	5258 k10	5267 l10	5276 m10	5285 n10	5294 o10	5303 p10	5312 q10	5321 r10	5330 s10	5339 t10	5348 u10	5357 v10	5366 w10	5375 x10	5384 y10	5393 z10	5402 A20	5411 b20	5420 c20	5429 d20	5438 e20	5447 f20	5456 g20	5465 h20	5474 i20	5483 j20	5492 k20	5501 l20	5510 m20	5519 n20	5528 o20	5537 p20	5546 q20	5555 r20	5564 s20	5573 t20	5582 u20	5591 v20	5600 w20	5609 x20	5618 y20	5627 z20	5636 A30	5645 b30	5654 c30	5663 d30	5672 e30	5681 f30	5690 g30	5699 h30	5708 i30	5717 j30	5726 k30	5735 l30	5744 m30	5753 n30	5762 o30	5771 p30	5780 q30	5789 r30	5798 s30	5807 t30	5816 u30	5825 v30	5834 w30	5843 x30	5852 y30	5861 z30	5870 A40	5879 b40	5888 c40	5897 d40	5906 e40	5915 f40	5924 g40	5933 h40	5942 i40	5951 j40	5960 k40	5969 l40	5978 m40	5987 n40	5996 o40	6005 p40	6014 q40	6023 r40	6032 s40	6041 t40	6050 u40	6059 v40	6068 w40	6077 x40	6086 y40	6095 z40	6104 A50	6113 b50	6122 c50	6131 d50	6140 e50	6149 f50	6158 g50	6167 h50	6176 i50	6185 j50	6194 k50	6203 l50	6212 m50	6221 n50	6230 o50	6239 p50	6248 q50	6257 r50	6266 s50	6275 t50	6284 u50	6293 v50	6302 w50	6311 x50	6320 y50	6329 z50	6338 A60	6347 b60	6356 c60	6365 d60	6374 e60	6383 f60	6392 g60	6401 h60	6410 i60	6419 j60	6428 k60	6437 l60	6446 m60	6455 n60	6464 o60	6473 p60	6482 q60	6491 r60	6500 s60	6509 t60	6518 u60	6527 v60	6536 w60	6545 x60	6554 y60	6563 z60	6572 A70	6581 b70	6590 c70	6599 d70	6608 e70	6617 f70	6626 g70	6635 h70	6644 i70	6653 j70	6662 k70	6671 l70	6680 m70	6689 n70	6698 o70	6707 p70	6716 q70	6725 r70	6734 s70	6743 t70	6752 u70	6761 v70	6770 w70	6779 x70	6788 y70	6797 z70	6806 A80	6815 b80	6824 c80	6833 d80	6842 e80	6851 f80	6860 g80	6869 h80	6878 i80	6887 j80	6896 k80	6905 l80	6914 m80	6923 n80	6932 o80	6941 p80	6950 q80	6959 r80	6968 s80	6977 t80	6986 u80	6995 v80	7004 w80	7013 x80	7022 y80	7031 z80	7040 A90	7049 b90	7058 c90	7067 d90	7076 e90	7085 f90	7094 g90	7103 h90	7112 i90	7121 j90	7130 k90	7139 l90	7148 m90	7157 n90	7166 o90	7175 p90	7184 q90	7193 r90	7202 s90	7211 t90	7220 u90	7229 v90	7238 w90	7247 x90	7256 y90	7265 z90	7274 A00	7283 b00	7292 c00	7301 d00	7310 e00	7319 f00	7328 g00	7337 h00	7346 i00	7355 j00	7364 k00	7373 l00	7382 m00	7391 n00	7400 o00	7409 p00	7418 q00	7427 r00	7436 s00	7445 t00	7454 u00	7463 v00	7472 w00	7481 x00	7490 y00	7500 z00	7509 A10	7518 b10	7527 c10	7536 d10	7545 e10	7554 f10	7563 g10	7572 h10	7581 i10	7590 j10	7599 k10	7608 l10	7617 m10	7626 n10	7635 o10	7644 p10	7653 q10	7662 r10	7671 s10	7680 t10	7689 u10	7698 v10	7707 w10	7716 x10	7725 y10	7734 z10	7743 A20	7752 b20	7761 c20	7770 d20	7779 e20	7788 f20	7797 g20	7806 h20	7815 i20	7824 j20	7833 k20	7842 l20	7851 m20	7860 n20	7869 o20	7878 p20	7887 q20	7896 r20	7905 s20	7914 t20	7923 u20	7932 v20	7941 w20	7950 x20	7959 y20	7968 z20	7977 A30	7986 b30	7995 c30	8004 d30	8013 e30	8022 f30	8031 g30	8040 h30	8049 i30	8058 j30	8067 k30	8076 l30	8085 m30	8094 n30	8103 o30	8112 p30	8121 q30	8130 r30	8139 s30	8148 t30	8157 u30	8166 v30	8175 w30	8184 x30	8193 y30	8202 z30	8211 A40	8220 b40	8229 c40	8238 d40	8247 e40	8256 f40	8265 g40	8274 h40	8283 i40	8292 j40	8301 k40	8310 l40	8319 m40	8328 n40	8337 o40	8346 p40	8355 q40	8364 r40	8373 s40	8382 t40	8391 u40	8400 v40	8409 w40	8418 x40	8427 y40	8436 z40	8445 A50	8454 b50	8463 c50	8472 d50	8481 e50	8490 f50	8499 g50	8508 h50	8517 i50	8526 j50	8535 k50	8544 l50	8553 m50	8562 n50	8571 o50	8580 p50	8589 q50	8598 r50	8607 s50	8616 t50	8625 u50	8634 v50	8643 w50	8652 x50	8661 y50	8670 z50	8679 A60	8688 b60	8697 c60	8706 d60	8715 e60	8724 f60	8733 g60	8742 h60	8751 i60	8760 j60	8769 k60	8778 l60	8787 m60	8796 n60	8805 o60	8814 p60	8823 q60	8832 r60	8841 s60	8850 t60	8859 u60	8868 v60	8877 w60	8886 x60	8895 y60	8904 z60	8913 A70	8922 b70	8931 c70	8940 d70	8949 e70	8958 f70	8967 g70	8976 h70	8985 i70	8994 j70	9003 k70	9012 l70	9021 m70</

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

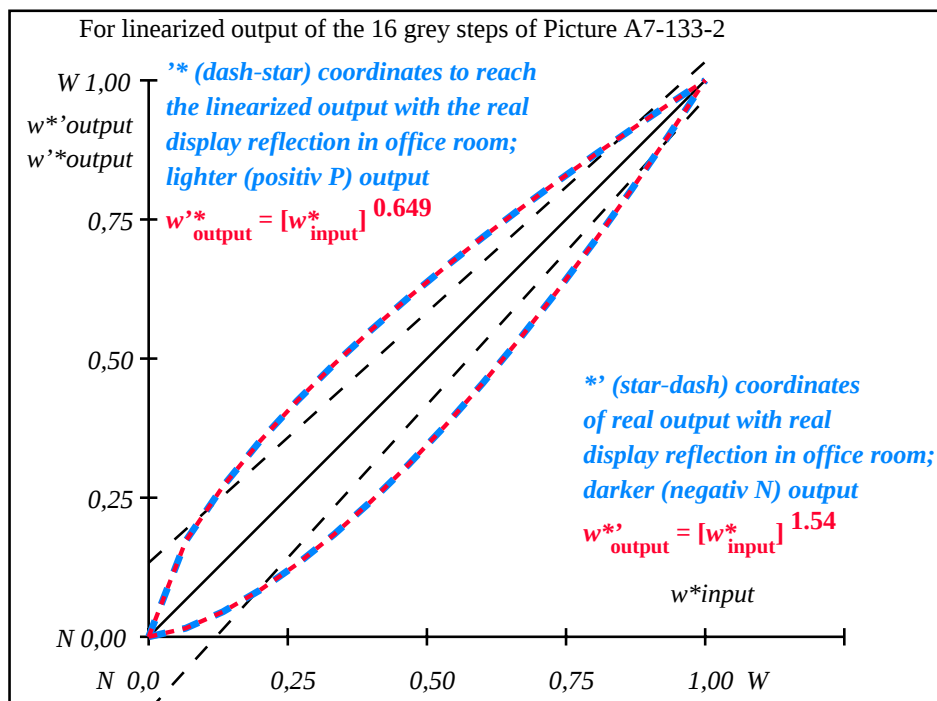
Start output S1
Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G

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

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

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

OE990-3A-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE991-3N-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

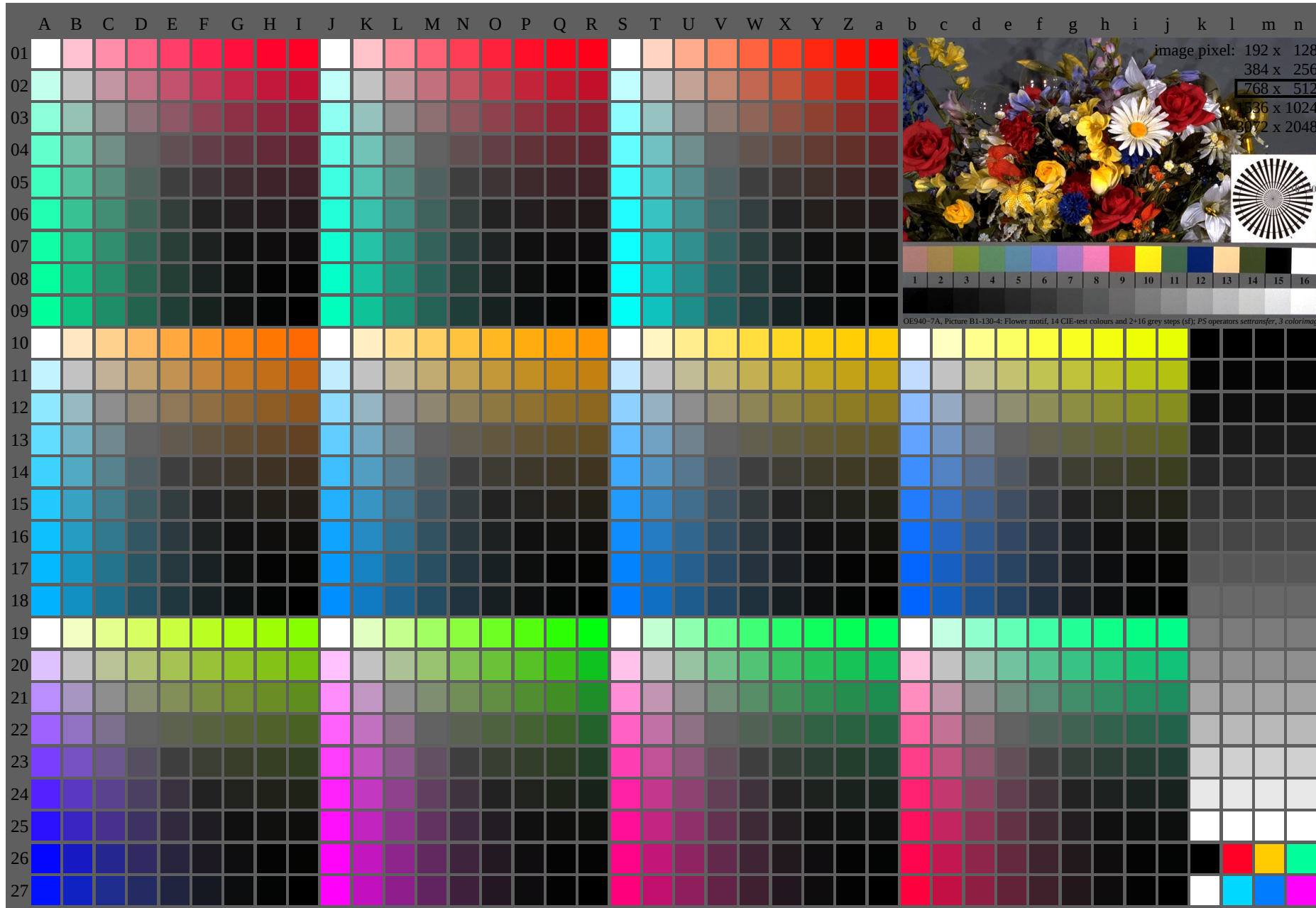
$L^*/Y_{intended}$ (absolute)	18.0/2.5	23.2/3.8	28.3/5.6	33.5/7.8	38.6/10.5	43.8/13.7	49.0/17.6	54.1/22.1	59.3/27.3	64.4/33.4	69.6/40.2	74.8/47.9	79.9/56.6	85.1/66.2	90.2/76.8	95.4/88.6
$w^* w^* w^*$ setrgb $g_N=1.29$ No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	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

OE990-7N, Picture A7-133-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*_{setrgbcolor}$

OE99: 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: $g_P=1.0$; $g_N=1.29$

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



OE990-7N, Page 1/16, Test chart 2E 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 = 32, pchart = 0

OE99: Test chart 2E with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

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

TUB registration: 20110801-OE99/OE99L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta

Technical information: <http://www.ps.bam.de/3387ZE> Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE99/OE99L0NA.TXT /.PS TUB material: code=rha4ta

input 130-1: $q_P=1.0$; $q_N=1.42$

OE99/OE99L0NA.PDF /.PS, Page 14/24, FF LM: *all*->*rgb*_{do}; 1MR, DEH C_{YN4} (18:1); *qp*=1.0; *qn*=1.42 <http://130.149.60.45/~farbmetrik/OE99/OE99F1NX.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, 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

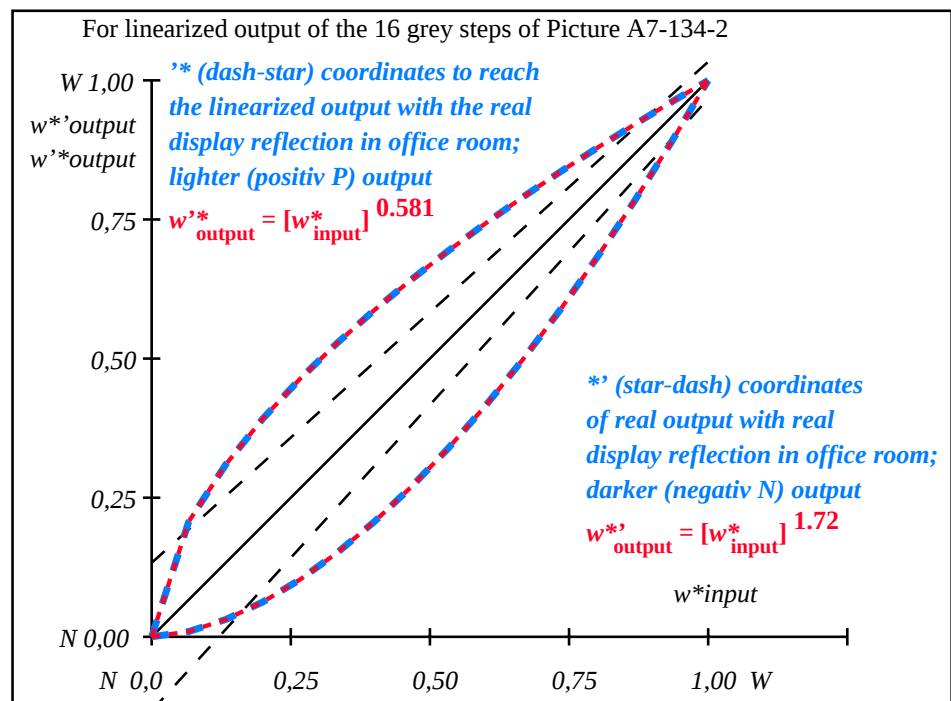
Start output S1
Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G

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

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

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

OE990-3A-134-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE991-3N-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

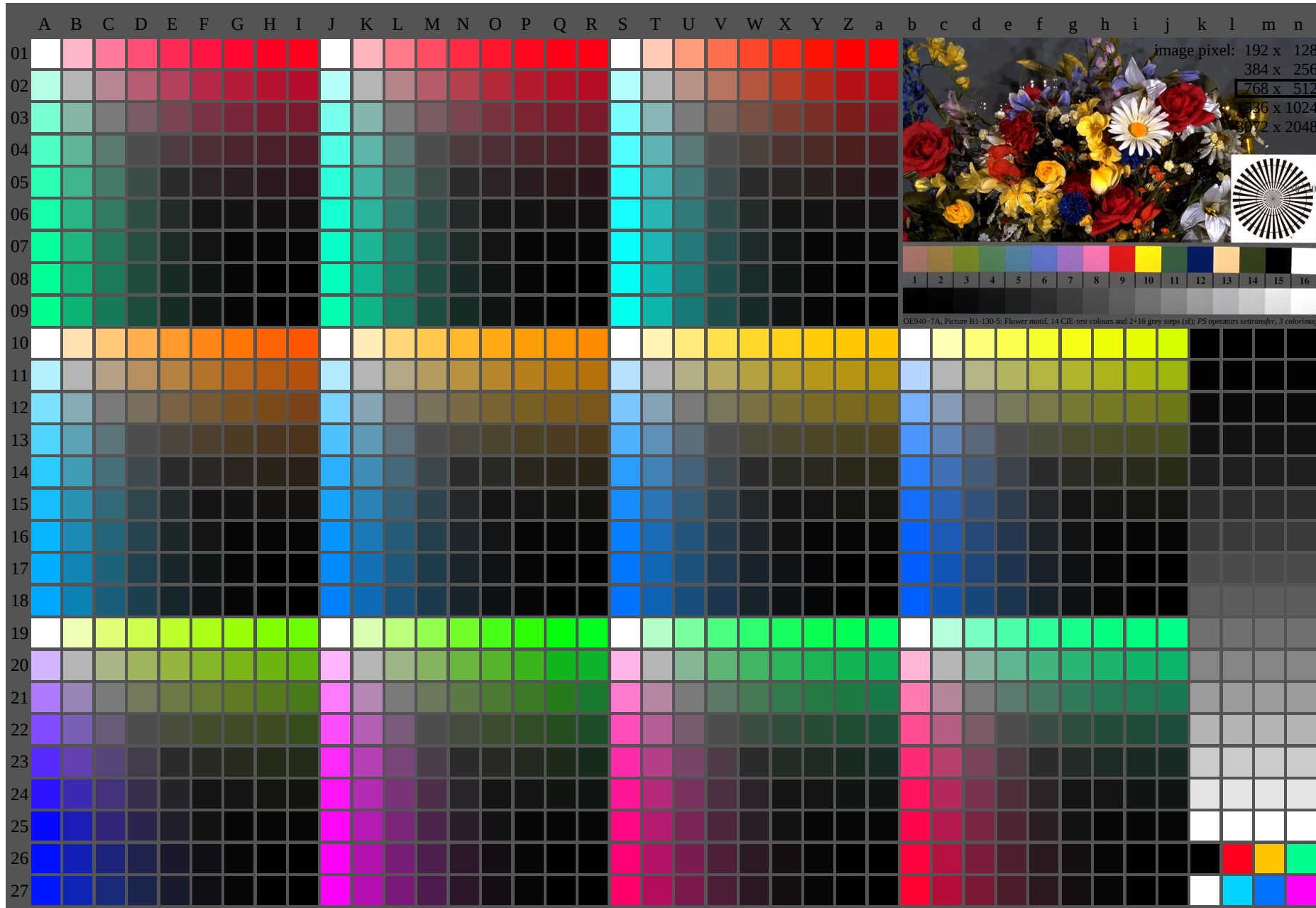
OE990-7N, Picture A7-134-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE99: 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: $g_P=1.0$; $g_N=1.42$

TUB registration: 20110801-OE99/OE99L0NA.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



OE990-7N, Page 1/16, Test chart 2E 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 = 40, pchart = 0

OE99: Test chart 2E 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-OE99/OE99L0NA.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

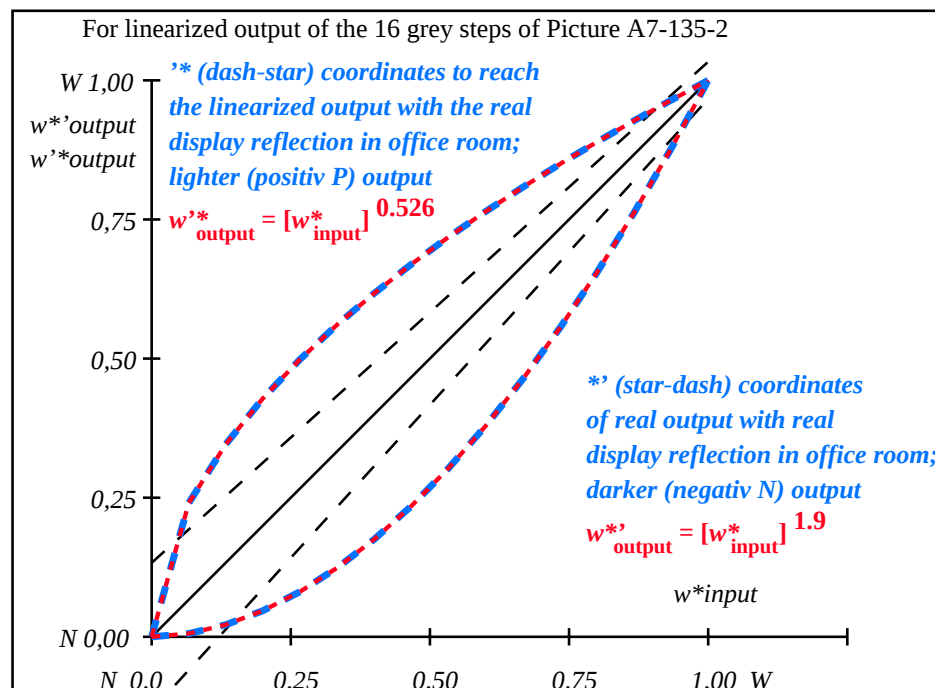
Start output S1
Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G

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

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

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

OE990-3A-135-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE991-3N-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

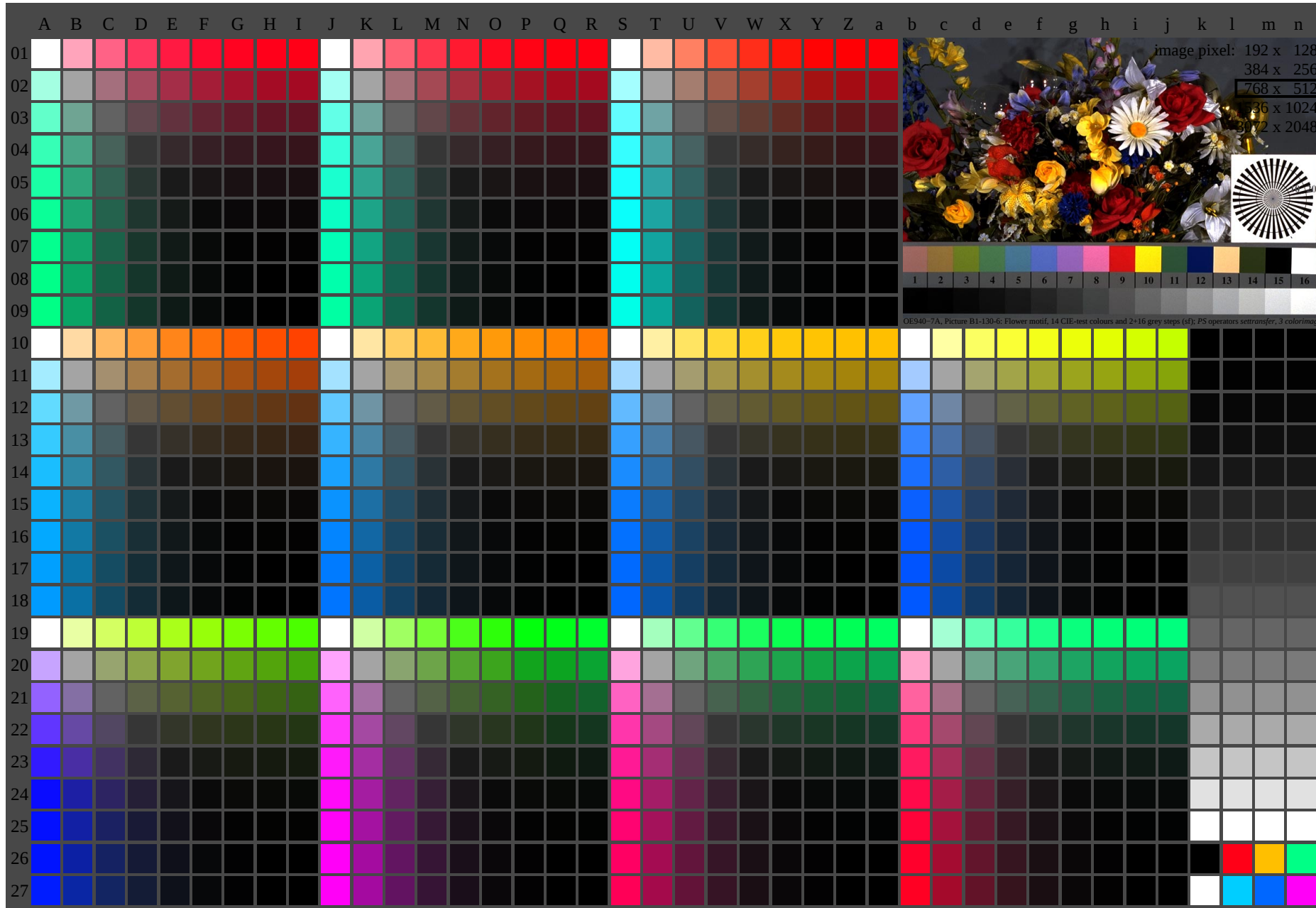
OE990-7N, Picture A7-135-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE99: 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-OE99/OE99L0NA.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



OE990-7N, Page 1/16, Test chart 2E 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 = 48, pchart = 0

OE99: Test chart 2E 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-OE99/OE99L0NA.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/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/33872E> Version 2.1, io=1.1, CIE LAB

TUB registration: 20110801-OE99/OE99L0NA.TXT / .PS
application for output of displays: monitor systems or data projector systems

TUB material: code=rha4ta

OE99-70, 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 = 48, pchart = 1

OE99: Test chart 2E with 40x27=1080 colours; 1MR, DEH
Digital equidistant 9 or 16 step colour scales

input: 000n/w/cmy0/rgb (->rgb*da
output 130-1: gp=1.0; g_N=1.81

OE99/OE99L0NA.TXT / .PS; linearized output, Page 2/3
F: Output Linearization (OL data OE99/OE99L0NA.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
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	
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	
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	
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	
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	
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	
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						

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

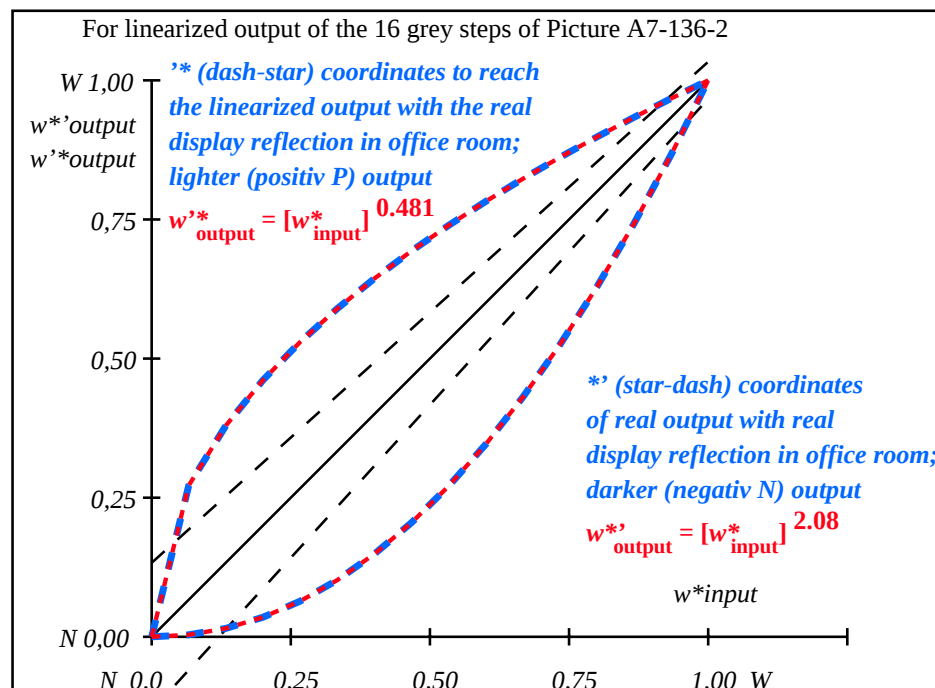
Start output S1
Specification according to
ISO/IEC 15775 Annex G
and DIN 33866-1 Annex G

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

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

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

OE990-3A-136-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE991-3N-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

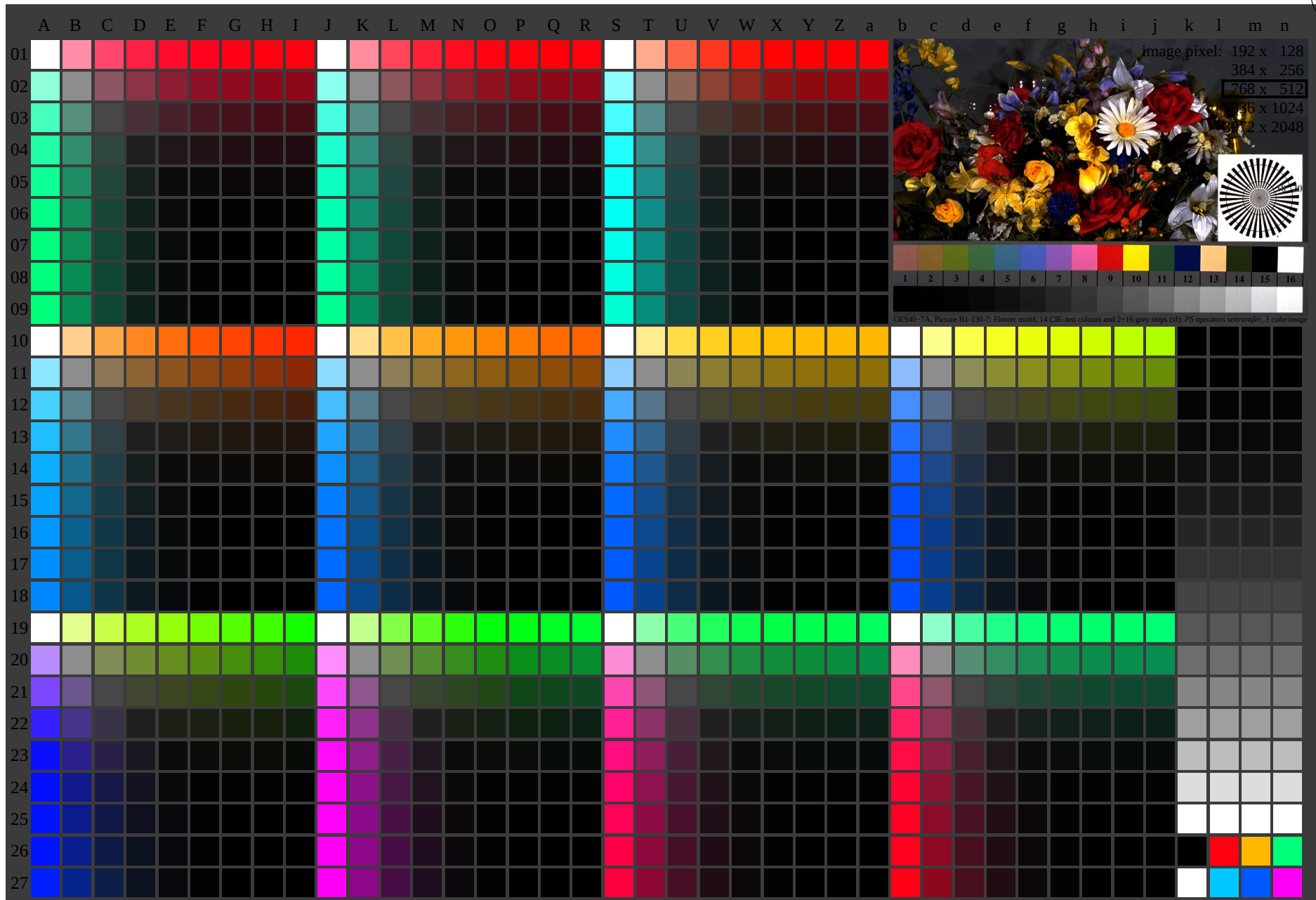
OE990-7N, Picture A7-136-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE99: 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-OE99/OE99L0NA.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

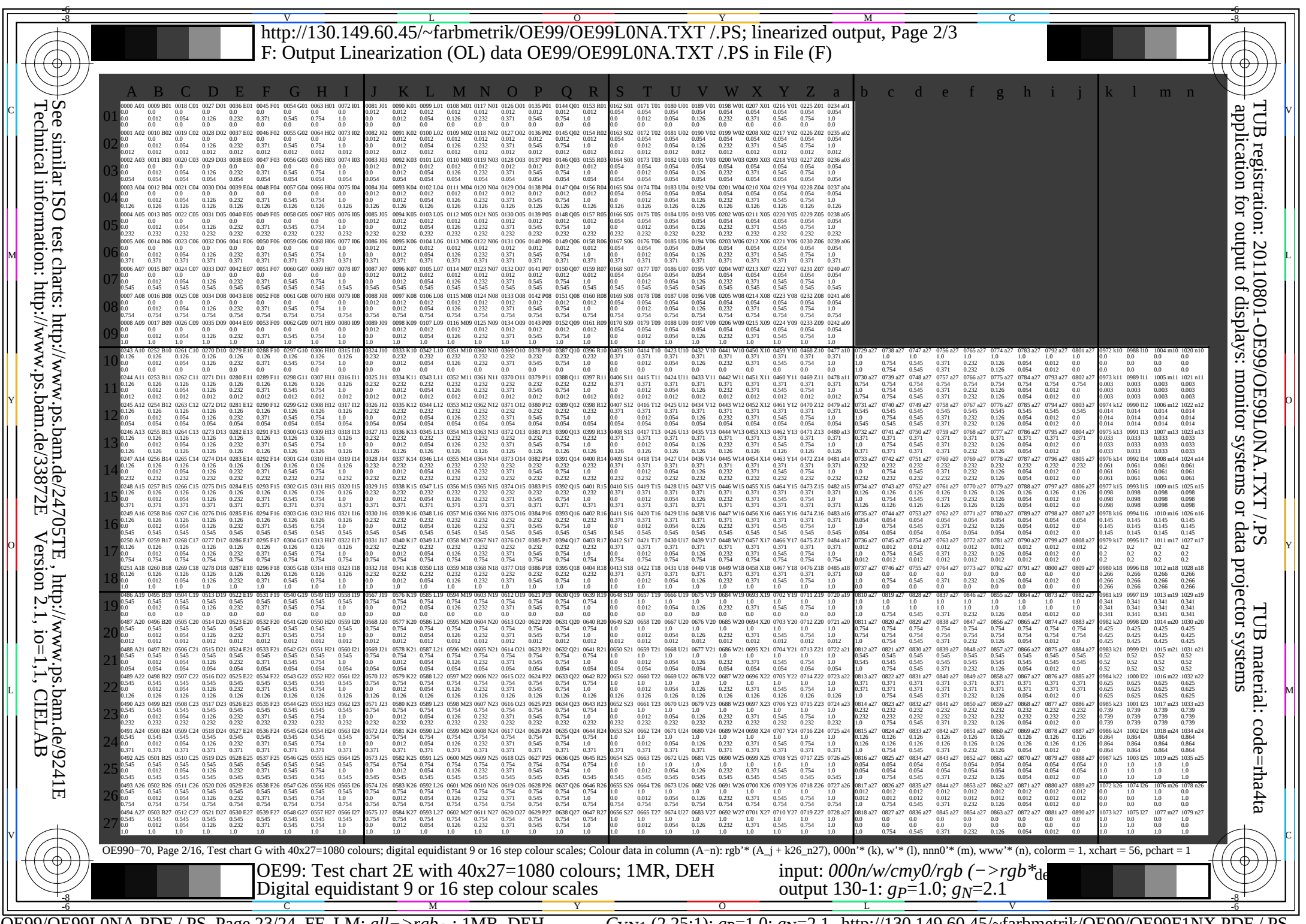


OE990-7N, Page 1/16, Test chart 2E with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): rgb^*_{de} (A-n), colorm = 1, xchart = 56, pchart = 0

OE99: Test chart 2E 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-OE99/OE99L0NA.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.pan.de/24705TE>, <http://www.ps.pan.de/33872E>
Technical information: <http://www.ps.pan.de/33872E> Version 2.1, io=1,1,CELAB

TUB registration: 20110801-OE99/OE99L0NA.TXT /PS
application for output of displays: monitor systems or data projector systems
TUB material: code=th4ta

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

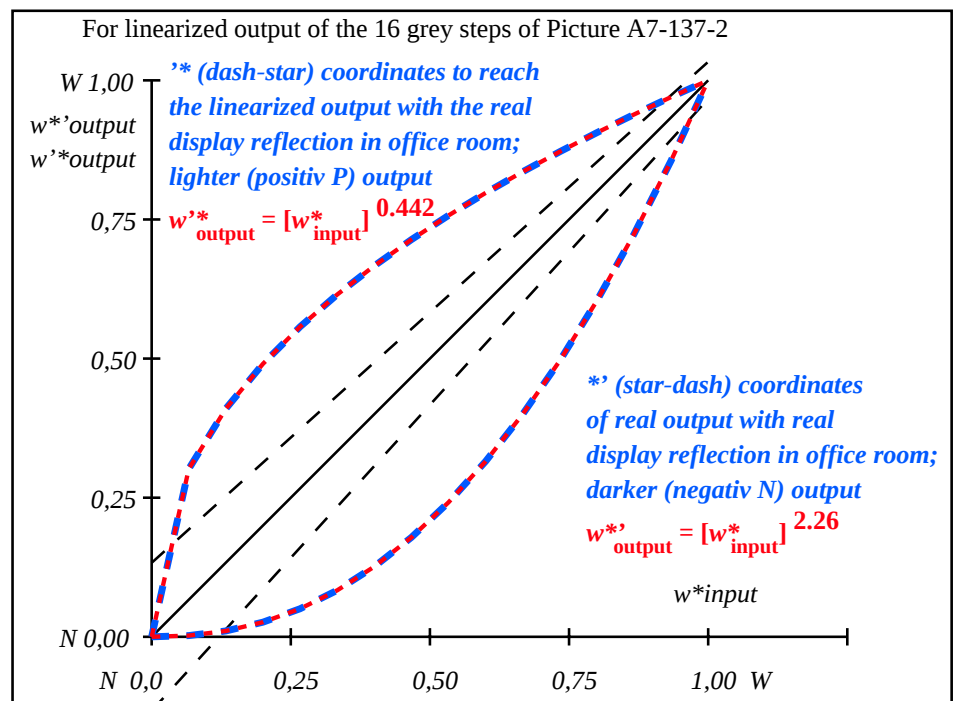
Start output S1
Specification according to
ISO/IEC 15775 Annex G
and DIN 33866-1 Annex G

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

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

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

OE990-3A-137-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE991-3N-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)	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
$w^*_{intended}$ w^*_{out}	0.000 0.0	0.067 0.003	0.133 0.014	0.200 0.034	0.267 0.062	0.333 0.099	0.400 0.145	0.467 0.201	0.533 0.266	0.600 0.341	0.667 0.426	0.733 0.52	0.800 0.625	0.867 0.74	0.933 0.864	1.000 1.0

OE990-7N, Picture A7-137-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE99: 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: $g_P=1.0$; $g_N=2.1$