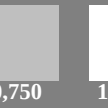


L^*/Y_{intended} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	N_0 (min.)	W_1 (max.)
							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$ (relative) W_{input}	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
							

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

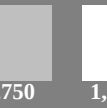
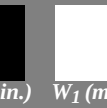
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E01SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 2/46, Serie: 1/1, Page: 2 Page count: 2

L^*/Y_{intended} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
							
	00,4	01,3	02,2	03,1	04,0		
$w^*=l^*_{\text{CIELAB}, r}$ (relative) W_{input}							
							
	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3

Step:

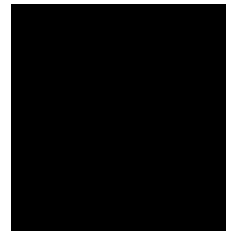
surrounds N,Z,W

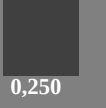
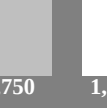
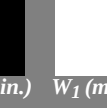
input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E02SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 3/46, Serie: 1/1, Page: 3 Page count: 3



L^*/Y_{intended} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	N_0 (min.)	W_1 (max.)
							
	00,4	01,3	02,2	03,1	04,0		
$w^* = \frac{L^*}{L^*_{\text{input}}}$ (relative)	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
							

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

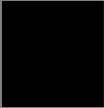
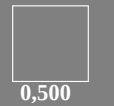
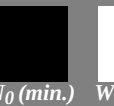
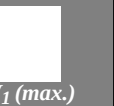
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E03SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 446, Serie: 1/1, Page: 4 Page count: 4

L^*/Y_{intended}	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
(relative) w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*_{\text{lin}} 1.0 \exp \text{ setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

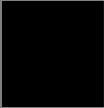
Step:

input: $w^* \text{ setgray}$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E04SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 5/46, Serie: 1/1, Page: 5 Page count: 5

L^*/Y_{intended}	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = I^*_{\text{CIELAB}, r}$							
(relative) w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*_{\text{lin}} 1.0 \exp \text{ setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3

Step:

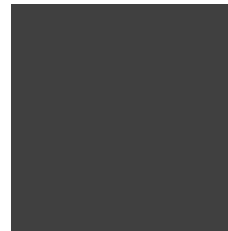
surrounds N,Z,W

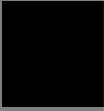
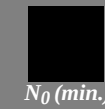
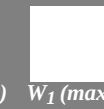
input: $w^* \text{ setgray}$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E05SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 6/46, Serie: 1/1, Page: 6 Page count: 6



L^*/Y_{intended} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	N_0 (min.)	W_1 (max.)
							
	00,4	01,3	02,2	03,1	04,0		
$w^* = I^*_{\text{CIELAB}, r}$ (relative) W_{input}	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
							

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^* \text{lin } 1.0 \text{ exp setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

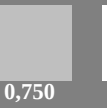
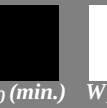
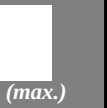
Step:

input: $w^* \text{ setgray}$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E06SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 7/46, Serie: 1/1, Page: 7 Page count: 7

L^*/Y_{intended}	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	N_0 (min.)	W_1 (max.)
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = I^*_{\text{CIELAB}, r}$							
(relative) w^*_{input}	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*_{\text{lin}} 1.0 \exp \text{ setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* \text{ setgray}$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E07SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 8/46, Serie: 1/1, Page: 8 Page count: 8

L^*/Y_{intended}	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
(relative) w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3

Step:

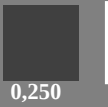
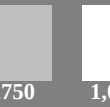
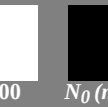
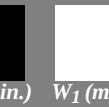
input: $w^* setgray$

output: *Startup (S) data dependend*

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E08SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 946, Serie: 1/1, Page: 9 Page count: 9



L^*/Y_{intended} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
							
	00,4	01,3	02,2	03,1	04,0		
$w^*=I^*_{\text{CIELAB}, r}$ (relative) W_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$
							

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E09SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 10/46, Serie: 1/1, Page: 10 Page count: 10

L^*/Y_{intended}	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
(relative) w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

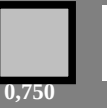
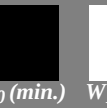
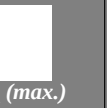
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0ASP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 11/46, Serie: 1/1, Page: 11 Page count: 11

L^*/Y_{intended}	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
(relative) w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

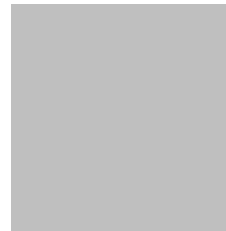
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0BSP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 12/46, Serie: 1/1, Page: 12 Page count: 12



L^*/Y_{intended} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	N_0 (min.)	W_1 (max.)
	00,4	01,3	02,2	03,1	04,0		
$w^* = \frac{L^*}{L^*_{\text{input}}}$ (relative)	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^* \text{lin } 1.0 \text{ exp setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* \text{ setgray}$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0CSP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 13/46, Serie: 1/1, Page: 13 Page count: 13

L^*/Y_{intended}	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
(relative) w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*_{\text{lin}} 1.0 \exp \text{ setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* \text{ setgray}$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0DSP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 14/46, Serie: 1/1, Page: 14 Page count: 14

L^*/Y_{intended}	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
(relative) w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

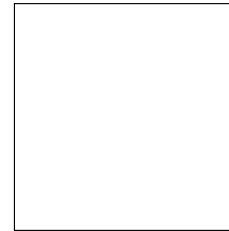
Step:

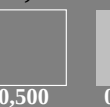
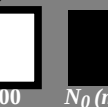
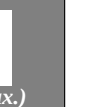
input: $w^* setgray$

output: *Startup (S) data dependend*

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0ESP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 15/46, Serie: 1/1, Page: 15 Page count: 15



L^*/Y_{intended} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
							
	00,4	01,3	02,2	03,1	04,0		
$w^* = I^*_{\text{CIELAB}, r}$ (relative) w^*_{input}							
	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*_{\text{lin}} 1.0 \exp \text{ setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

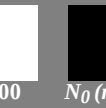
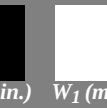
Step:

input: $w^* \text{ setgray}$

output: *Startup (S) data dependend*

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E00SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 16/46, Serie: 1/1, Page: 16 Page count: 16

$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$						$N_0(\text{min.})$	$W_1(\text{max.})$
(relative)							
	w^*_{input} 0,000	0,250	0,500	0,750	1,000		
	w^*_{outp1} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

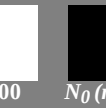
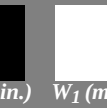
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E01SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 17/46, Serie: 1/1, Page: 17 Page count: 17

$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
(relative)							
	w^*_{input} 0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$
	w^*_{outp1} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

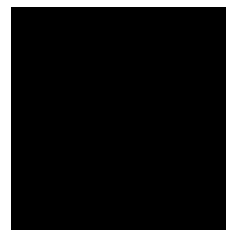
Step:

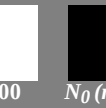
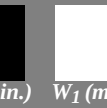
input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E02SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 18/46, Serie: 1/1, Page: 18 Page count: 18



$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
(relative)							
	w^*_{input} 0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$
	w^*_{outp1} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

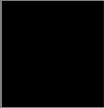
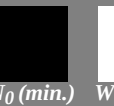
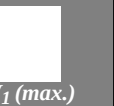
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E03SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 19/46, Serie: 1/1, Page: 19 Page count: 19

$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$						$N_0(\text{min.})$	$W_1(\text{max.})$
(relative)							
	w^*_{input} 0,000	0,250	0,500	0,750	1,000		
	w^*_{outp1} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

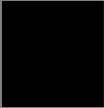
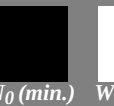
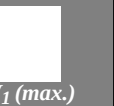
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E04SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 20/46, Serie: 1/1, Page: 20 Page count: 20

$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$						$N_0(\text{min.})$	$W_1(\text{max.})$
(relative)							
	w^*_{input} 0,000	0,250	0,500	0,750	1,000		
	w^*_{outp1} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3

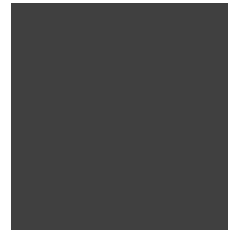
Step:

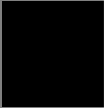
input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E05SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 21/46Series: 1/1, Page: 21 Page count: 21



$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	N_0 (min.)	W_1 (max.)
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$						N_0 (min.)	W_1 (max.)
(relative)							
	w^*_{input} 0,000	0,250	0,500	0,750	1,000		
	w^*_{outp1} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

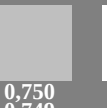
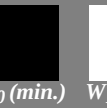
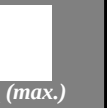
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E06SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 22/46, Serie: 1/1, Page: 22 Page count: 22

$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$
w^*_{outp1}	0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E07SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 23/46, Serie: 1/1, Page: 23 Page count: 23

$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$						$N_0(\text{min.})$	$W_1(\text{max.})$
(relative)							
	w^*_{input} 0,000	0,250	0,500	0,750	1,000		
	w^*_{outp1} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E08SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 24/46, Serie: 1/1, Page: 24 Page count: 24



$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$						$N_0(\text{min.})$	$W_1(\text{max.})$
(relative)							
	w^*_{input} 0,000	0,250	0,500	0,750	1,000		
	w^*_{outp1} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E09SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 25/46, Serie: 1/1, Page: 25 Page count: 25

$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
(relative)							
w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$
w^*_{outp1}	0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0ASP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 26/46, Serie: 1/1, Page: 26 Page count: 26

$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$						$N_0(\text{min.})$	$W_1(\text{max.})$
(relative)							
	w^*_{input} 0,000	0,250	0,500	0,750	1,000		
	w^*_{outp1} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

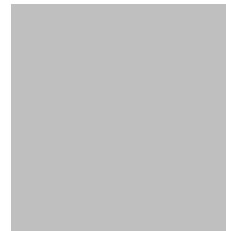
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0BSP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 27/46, Serie: 1/1, Page: 27 Page count: 27



$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$
w^*_{out1}	0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*_{\text{lin}} 1.0 \exp \text{ setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

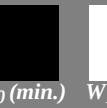
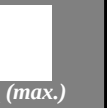
input: $w^* \text{ setgray}$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0CSP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output

/CE37/ Form: 28/46, Serie: 1/1, Page: 28 Page count: 28

$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
(relative)	w^*_{input} 0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$
	w^*_{outp1} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

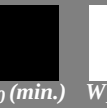
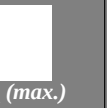
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0DSP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 29/46, Serie: 1/1, Page: 29 Page count: 29

$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$
w^*_{outp1}	0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

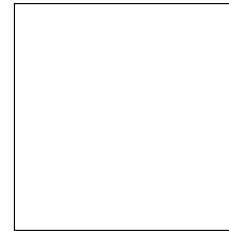
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0ESP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 30/46, Serie: 1/1, Page: 30 Page count: 30



$L^*_{\text{inten/out1}}$	0.0/0.0	23.8/23.8	47.7/47.7	71.5/71.5	95.4/95.4	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
(relative)							
w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$
w^*_{outp1}	0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*_{\text{lin}} 1.0 \exp \text{ setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* \text{ setgray}$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E00SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 31/46, Serie: 1/1, Page: 31 Page count: 31

L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
							
	00,4	01,3	02,2	03,1	04,0		
$w^*=l^*_{\text{CIELAB}, r}$ (relative)	w^*_{input} 0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$
	w^*_{outp2} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E01SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 32/46, Serie: 1/1, Page: 32 Page count: 32

L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
							
	00,4	01,3	02,2	03,1	04,0		
$w^*=l^*_{\text{CIELAB}, r}$ (relative)	w^*_{input} w^*_{outp2}	0,000 0.0	0,250 0.249	0,500 0.499	0,750 0.749	1,000 1.0	$N_0(\text{min.})$ $W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3

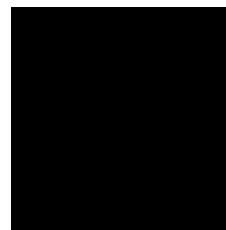
Step:

input: $w^* setgray$

output: *Startup (S) data dependend*

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E02SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 33/46, Serie: 1/1, Page: 33 Page count: 33



L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	N_0 (min.)	W_1 (max.)
							
	00,4	01,3	02,2	03,1	04,0		
$w^*=l^*$ (relative)	w_{input}^* 0.000	0.250	0.500	0.750	1.000	N_0 (min.)	W_1 (max.)
	w_{outp2}^* 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

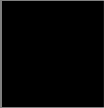
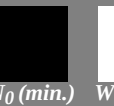
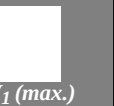
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E03SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 34/46, Serie: 1/1, Page: 34 Page count: 34

L^*/Y_{outp2}	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^*=l^*_{\text{CIELAB}, r}$						$N_0(\text{min.})$	$W_1(\text{max.})$
(relative)							
	w^*_{input} 0,000	0,250	0,500	0,750	1,000		
	w^*_{outp2} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

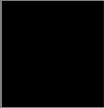
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E04SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 35/46, Serie: 1/1, Page: 35 Page count: 35

L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
							
	00,4	01,3	02,2	03,1	04,0		
$w^*=l^*_{\text{CIELAB}, r}$ (relative)	w^*_{input} w^*_{outp2}	0,000 0.249	0,500 0.499	0,750 0.749	1,000 1.0	$N_0(\text{min.})$	$W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3

Step:

input: $w^* setgray$

output: *Startup (S) data dependend*

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E05SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 36/46, Serie: 1/1, Page: 36 Page count: 36



L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	N_0 (min.)	W_1 (max.)
$w^* = l^*_{\text{CIELAB}, r}$ (relative)	00,4	01,3	02,2	03,1	04,0	N_0 (min.)	W_1 (max.)
w^*_{input}	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
w^*_{outp2}	0.0	0.249	0.499	0.749	1.0	N_0 (min.)	W_1 (max.)

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*_{\text{lin}} 1.0 \exp \text{ setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* \text{ setgray}$

output: Startup (S) data dependend

L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	N_0 (min.)	W_1 (max.)
							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$ (relative)	w^*_{input} 0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
	w^*_{outp2} 0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E07SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 38/46, Serie: 1/1, Page: 38 Page count: 38

L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
							
	00,4	01,3	02,2	03,1	04,0		
$w^*=l^*_{\text{CIELAB}, r}$ (relative)	w^*_{input} w^*_{outp2}	0,000 0.0	0,250 0.249	0,500 0.499	0,750 0.749	1,000 1.0	$N_0(\text{min.})$ $W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E08SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 39/46, Serie: 1/1, Page: 39 Page count: 39



L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
	00,4	01,3	02,2	03,1	04,0		
$w^*=l^*_{\text{CIELAB}, r}$ (relative)	w^*_{input} w^*_{outp2}	0,000 0.249	0,500 0.499	0,750 0.749	1,000 1.0	$N_0(\text{min.})$	$W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*_{\text{lin}} 1.0 \exp \text{ setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* \text{ setgray}$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E09SP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 40/46, Serie: 1/1, Page: 40 Page count: 40

L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	N_0 (min.)	W_1 (max.)
$w^* = l^*_{\text{CIELAB}, r}$ (relative)							
w^*_{input}	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
w^*_{outp2}	0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0ASP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 41/46, Serie: 1/1, Page: 41 Page count: 41

L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
							
	00,4	01,3	02,2	03,1	04,0		
$w^*=l^*_{\text{CIELAB}, r}$ (relative)	w^*_{input} w^*_{outp2}	0,000 0.0	0,250 0.249	0,500 0.499	0,750 0.749	1,000 1.0	$N_0(\text{min.})$ $W_1(\text{max.})$

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0BSP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 42/46, Serie: 1/1, Page: 42, Page count: 42



L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
							
	00,4	01,3	02,2	03,1	04,0		
$w^*=l^*_{\text{CIELAB}, r}$ (relative)	w^*_{input}	w^*_{input}	w^*_{input}	w^*_{input}	w^*_{input}	$N_0(\text{min.})$	$W_1(\text{max.})$
	0.000	0.250	0.500	0.750	1.000		
	w^*_{outp2}	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*_{\text{lin}} 1.0 \exp \text{ setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* \text{ setgray}$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0CSP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output

/CE37/ Form: 43/46, Serie: 1/1, Page: 43 Page count: 43

L^*/Y_{outp2}	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
(absolute)							
	00,4	01,3	02,2	03,1	04,0		
$w^* = l^*_{\text{CIELAB}, r}$							
(relative)							
w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$
w^*_{outp2}	0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

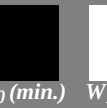
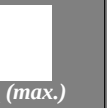
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0DSP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 44/46, Serie: 1/1, Page: 44 Page count: 44

L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
							
	00,4	01,3	02,2	03,1	04,0		
$w^*=l^*_{\text{CIELAB}, r}$ (relative)							
w^*_{input}	0,000	0,250	0,500	0,750	1,000	$N_0(\text{min.})$	$W_1(\text{max.})$
w^*_{outp2}	0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*lin 1.0 exp setgray$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3

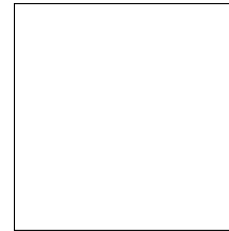
Step:

input: $w^* setgray$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de> Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E0ESP.PS/.PDF BAM material: code=rha4ta
application for relative reproduction properties of achromatic device output
/CE37/ Form: 45/46, Serie: 1/1, Page: 45 Page count: 45



L^*/Y_{outp2} (absolute)	0.0/0.0	23.8/4.0	47.7/16.5	71.5/42.9	95.4/88.5	$N_0(\text{min.})$	$W_1(\text{max.})$
							
	00,4	01,3	02,2	03,1	04,0		
$w^*=l^*_{\text{CIELAB}, r}$ (relative)	w^*_{input}	w^*_{input}	w^*_{input}	w^*_{input}	w^*_{input}	$N_0(\text{min.})$	$W_1(\text{max.})$
							
	0.000	0.250	0.500	0.750	1.000		
	0.0	0.249	0.499	0.749	1.0		

Calculations with luminance L of grey steps and white (w):
CIE luminance reflectance $Y = 88,6 L / L_w$
CIE lightness $L^* = 116 (Y/100)^{1/3} - 16$ for $Y > 0,866$
relative whiteness $w^* = (L^* - L^*_n) / (L^*_w - L^*_n)$

Picture A2: 5 visual equidistant L^* -grey steps; PS operator: $w^*_{\text{lin}} 1.0 \exp \text{ setgray}$

BAM-test chart no. CE37

Measurement test of 5 center luminances by 3 surrounds N,Z,W

Step:

input: $w^* \text{ setgray}$

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/CE37/>
Technical information: <http://www.ps.bam.de/CE37/>
Version 2.0, io=0,0?

BAM registration: 20040601-CE37/10L/L37E00SP.PS/.PDF
application for relative reproduction properties of achromatic device output
BAM material: code=rha4ta
/CE37/ Form: 46/46; Serie: 1/1, Page: 46 Page count: 46

i	LAB*ref	LAB*out	LAB*out/c-ref	ΔE^*
1	18.0	0.0	0.0	0.01
2	23.16	0.0	0.0	0.04
3	28.32	0.0	0.0	0.02
4	33.48	0.0	0.0	0.02
5	38.64	0.0	0.0	0.04
6	43.8	0.0	0.0	0.01
7	48.96	0.0	0.0	0.04
8	54.12	0.0	0.0	0.02
9	59.28	0.0	0.0	0.02
10	64.44	0.0	0.0	0.04
11	69.6	0.0	0.0	0.01
12	74.76	0.0	0.0	0.04
13	79.92	0.0	0.0	0.02
14	85.08	0.0	0.0	0.02
15	90.24	0.0	0.0	0.04
16	95.4	0.0	0.0	0.01
17	18.0	0.0	0.0	0.01
18	37.35	0.0	0.0	0.03
19	56.7	0.0	0.0	0.01
20	76.05	0.0	0.0	0.03
21	95.4	0.0	0.0	0.01

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

ΔL^* -gray variation
 $v^* = 0.0$

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

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

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

File: Measure unknown; Device: Device unknown; Date: Date unknown

i	LAB*ref	LAB*out	LAB*out/c-ref	ΔE^*
1	18.0	0.0	0.0	0.01
2	23.16	0.0	0.0	0.04
3	28.32	0.0	0.0	0.02
4	33.48	0.0	0.0	0.02
5	38.64	0.0	0.0	0.04
6	43.8	0.0	0.0	0.01
7	48.96	0.0	0.0	0.04
8	54.12	0.0	0.0	0.02
9	59.28	0.0	0.0	0.02
10	64.44	0.0	0.0	0.04
11	69.6	0.0	0.0	0.01
12	74.76	0.0	0.0	0.04
13	79.92	0.0	0.0	0.02
14	85.08	0.0	0.0	0.02
15	90.24	0.0	0.0	0.04
16	95.4	0.0	0.0	0.01
17	18.0	0.0	0.0	0.01
18	37.35	0.0	0.0	0.03
19	56.7	0.0	0.0	0.01
20	76.05	0.0	0.0	0.03
21	95.4	0.0	0.0	0.01

linearized output S2&S3
Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G

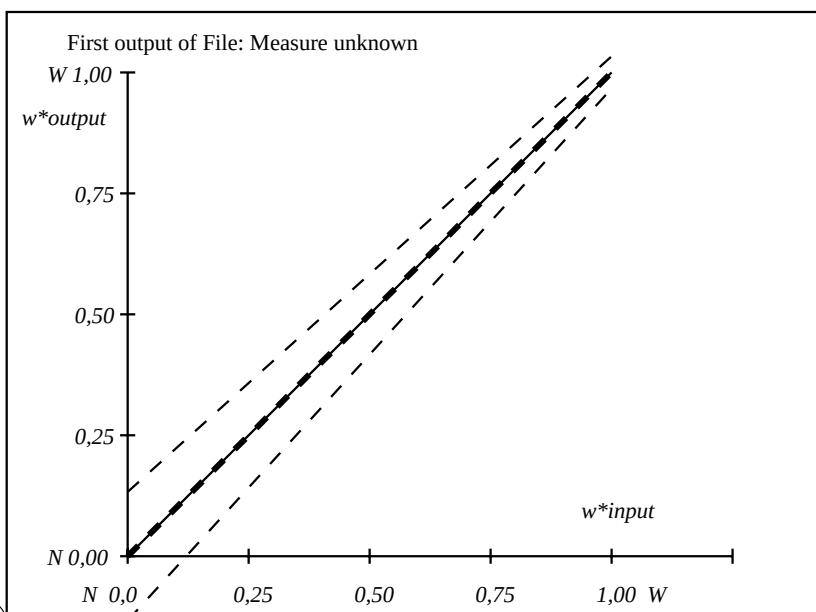
ΔL^* -gray variation
 $v^* = 0.0$

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

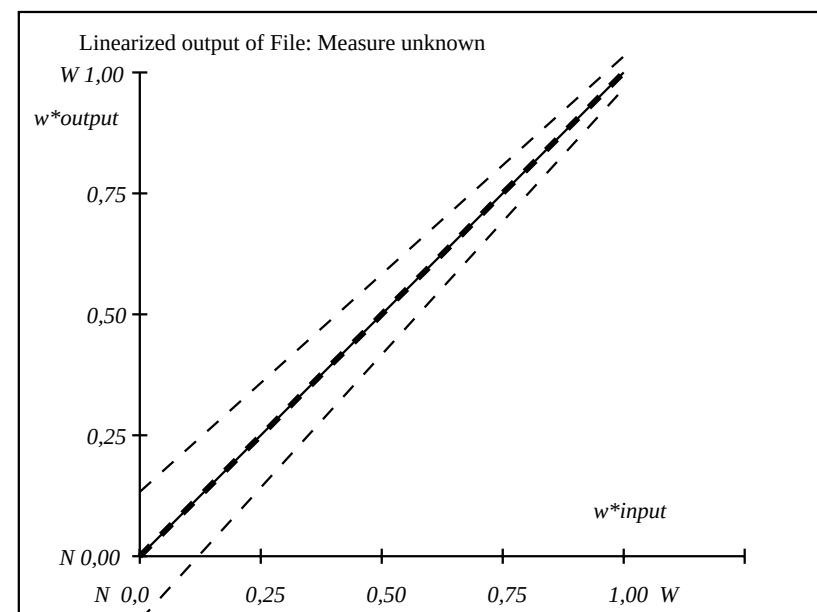
Mean lightness difference (5 steps)
 $\Delta L^*_{CIELAB} = 0.0$

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

File: Measure unknown; Device: Device unknown; Date: Date unknown



File: Measure unknown; Device: Device unknown; Date: Date unknown



File: Measure unknown; Device: Device unknown; Date: Date unknown

BAM-test chart no. CE37
Measurement test of 5 center luminances by 3 surrounds N,Z,W
Step: input: w^* setgray
output: Startup (S) data dependend