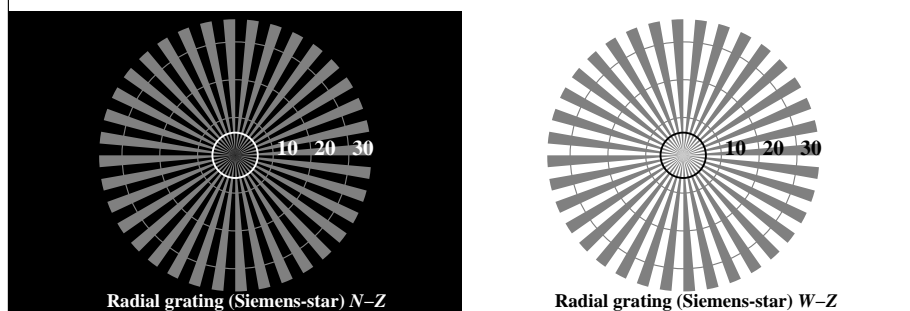
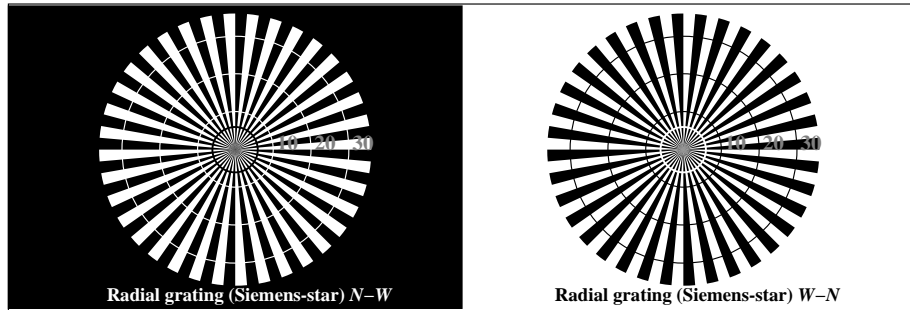
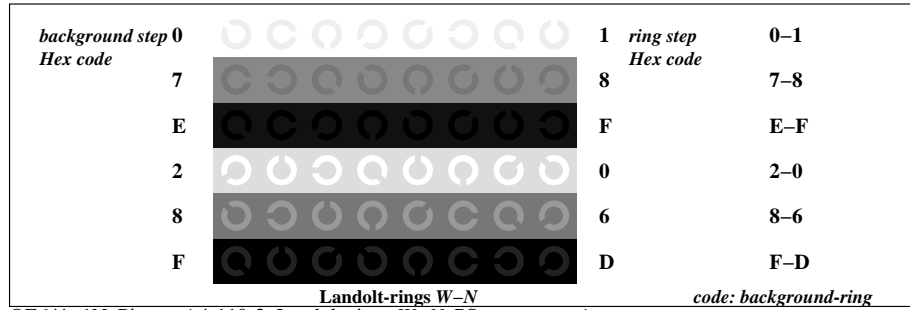


See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1.1, CIE LAB

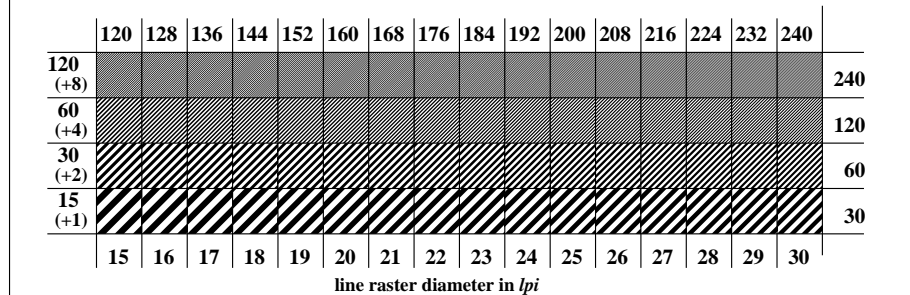
TUB registration: 20110801-OE64/OE64L0NA.TXT /.PS
 application for output of displays: monitor systems or data projector systems
 TUB material: code=thdata



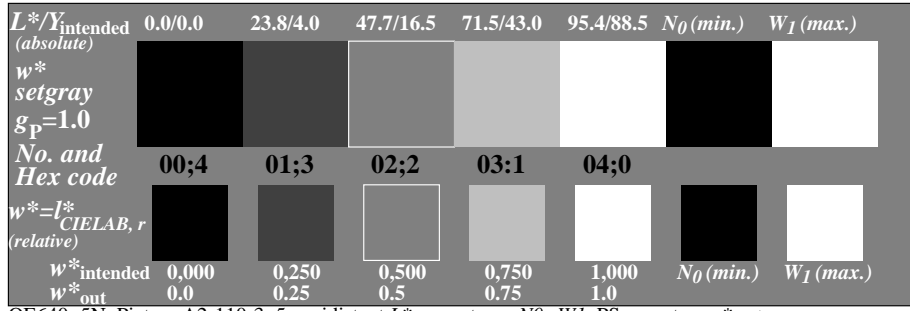
OE640-3N, Picture A1-110-3: Radial grating N-W, W-N, N-Z, W-Z; PS operator: *w* setgray*



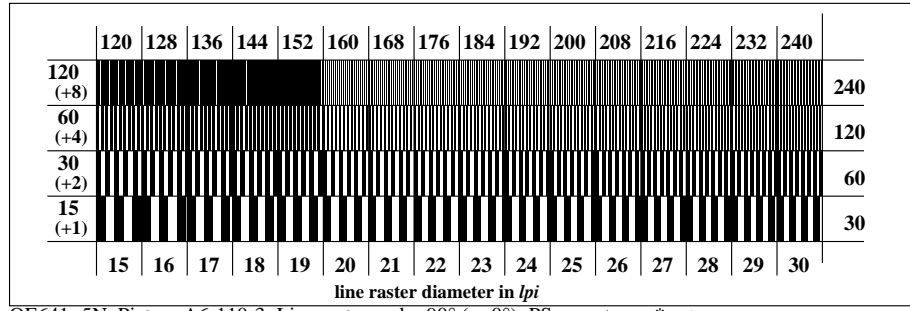
OE641-1N, Picture A4-110-3: Landolt-rings W-N; PS operator: *w* setgray*



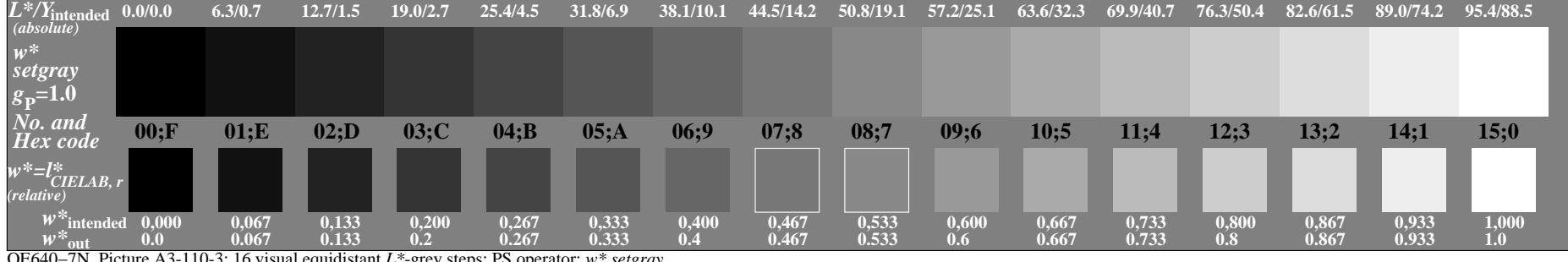
OE641-3N, Picture A5-110-3: Line raster under 45° (or 135°); PS operator: *w* setgray*



OE640-5N, Picture A2-110-3: 5 equidistant L^* -grey steps+ N_0 + W_1 ; PS operator: *w* setgray*



OE641-5N, Picture A6-110-3: Line raster under 90° (or 0°); PS operator: *w* setgray*

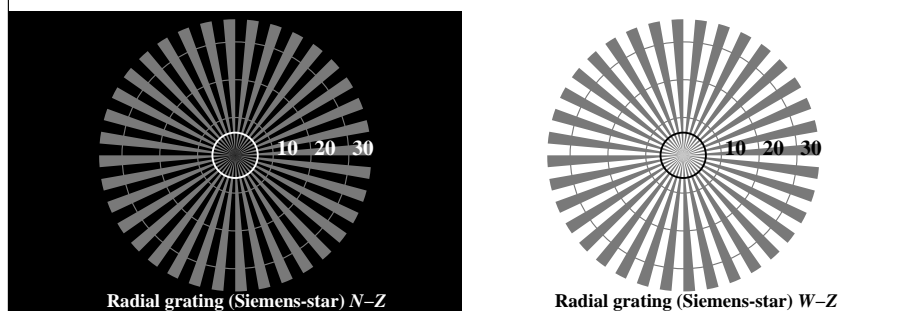
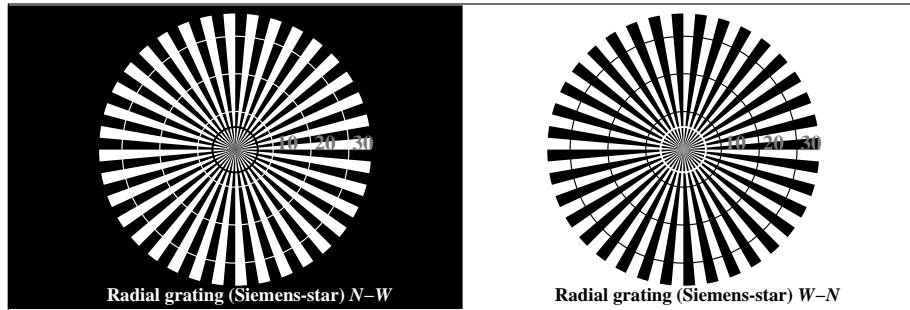


OE640-7N, Picture A3-110-3: 16 visual equidistant L^* -grey steps; PS operator: *w* setgray*

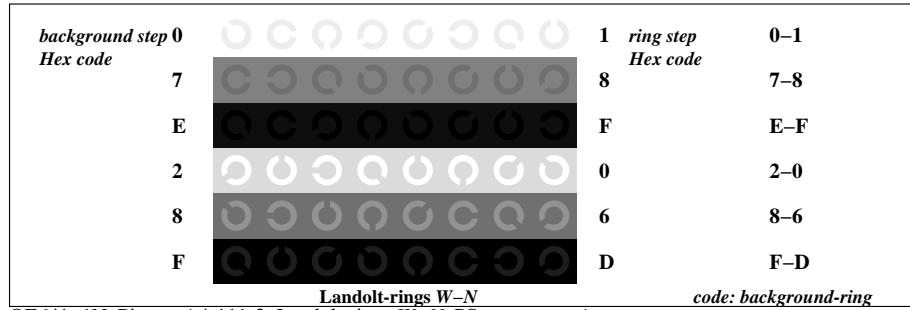
OE64: similar ME16 according to ISO 9241-306; 1MR, DEH
 Viewing Y contrast $Y_W:Y_N=88,9:0,31$; Y_N range 0,0 to <0,46
 input: all (->rgb*_de) setrgbcolor
 output 130-3: $g_p=1.0$; $g_N=1.0$

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1.1, CIELAB

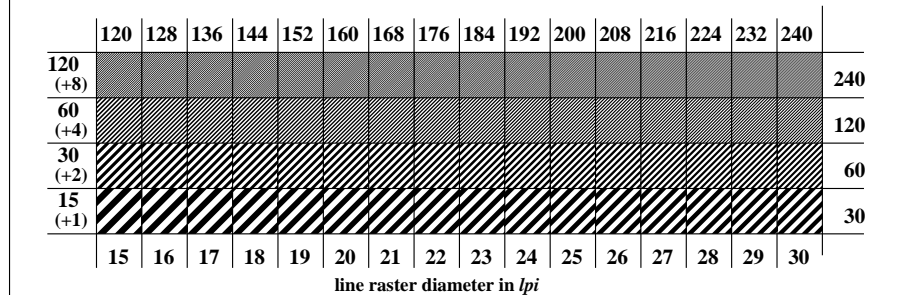
TUB registration: 20110801-OE64/OE64L0NA.TXT /.PS
 application for output of displays: monitor systems or data projector systems
 TUB material: code=thdata



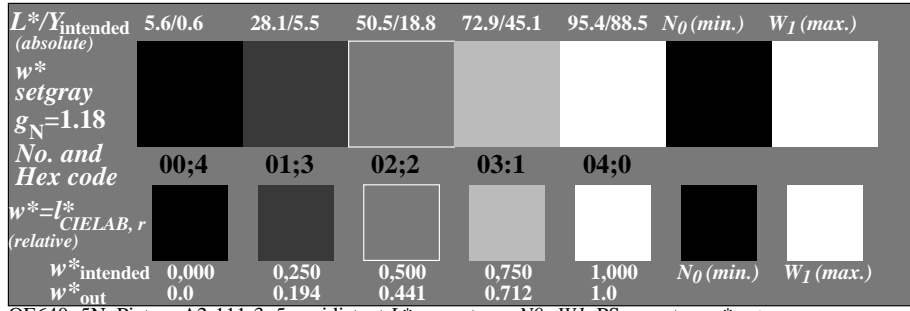
OE640-3N, Picture A1-111-3: Radial grating N-W, W-N, N-Z, W-Z; PS operator: w* setgray



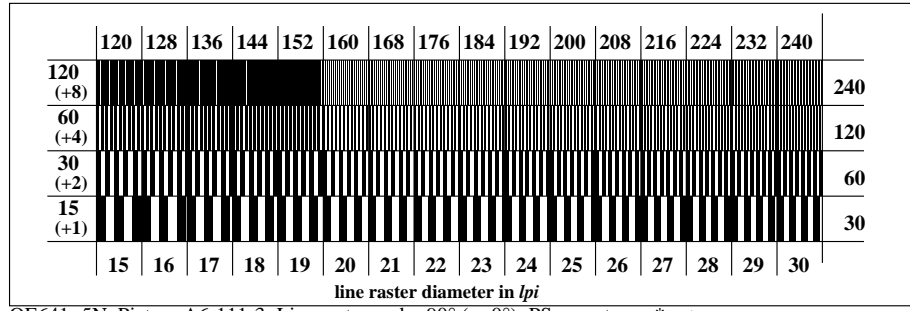
OE641-1N, Picture A4-111-3: Landolt-rings W-N; PS operator: w* setgray



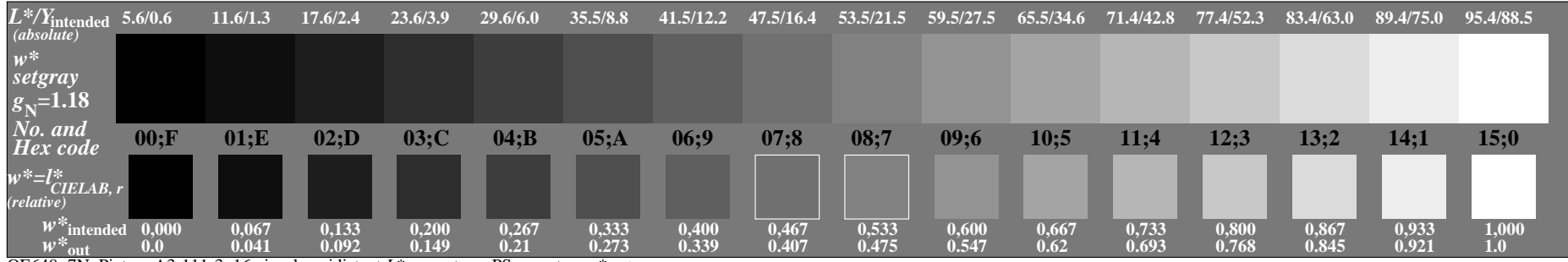
OE641-3N, Picture A5-111-3: Line raster under 45° (or 135°); PS operator: w* setgray



OE640-5N, Picture A2-111-3: 5 equidistant L*-grey steps+N0+W1; PS operator: w* setgray



OE641-5N, Picture A6-111-3: Line raster under 90° (or 0°); PS operator: w* setgray

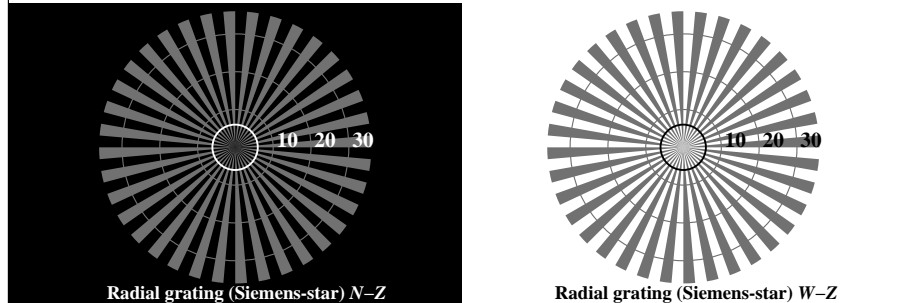
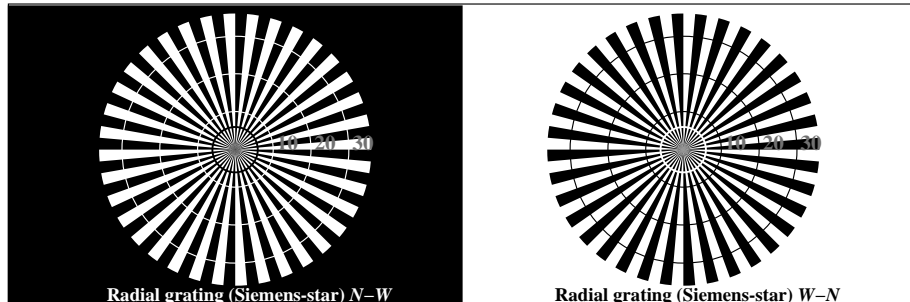


OE640-7N, Picture A3-111-3: 16 visual equidistant L*-grey steps; PS operator: w* setgray

OE64: similar ME16 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: all (->rgb*_de) setrgbcolor
 output 130-3: $g_p=1.0$; $g_N=1.08$

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1.1, CIELAB

TUB registration: 20110801-OE64/OE64L0NA.TXT /.PS
 application for output of displays: monitor systems or data projector systems
 TUB material: code=thdata



OE640-3N, Picture A1-112-3: Radial grating N-W, W-N, N-Z, W-Z; PS operator: *w* setgray*

$L^*/Y_{intended}$ (absolute)	10.9/1.2	32.0/7.1	53.2/21.2	74.3/47.1	95.4/88.5	N_0 (min.)	W_1 (max.)
w^* <i>setgray</i>	[Color bars]						
$g_N=1.36$							
No. and Hex code	00;4	01;3	02;2	03;1	04;0		
$w^*=l^*$ CIELAB, r (relative)	[Color bars]						
$w^*_{intended}$	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
w^*_{out}	0.0	0.151	0.389	0.676	1.0		

OE640-5N, Picture A2-112-3: 5 equidistant L^* -grey steps+ N_0 + W_1 ; PS operator: *w* setgray*

$L^*/Y_{intended}$ (absolute)	10.9/1.2	16.6/2.2	22.2/3.5	27.8/5.4	33.5/7.7	39.1/10.7	44.7/14.3	50.3/18.7	56.0/23.9	61.6/29.9	67.2/36.9	72.8/45.0	78.5/54.1	84.1/64.3	89.7/75.8	95.4/88.5
w^* <i>setgray</i>	[Color bars]															
$g_N=1.36$																
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)	[Color bars]															
$w^*_{intended}$	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	0.025	0.064	0.112	0.165	0.224	0.287	0.355	0.424	0.499	0.576	0.655	0.738	0.823	0.909	1.0

OE640-7N, Picture A3-112-3: 16 visual equidistant L^* -grey steps; PS operator: *w* setgray*

OE64: similar ME16 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

background step 0	[Color bar]	1 ring step	0-1
Hex code		Hex code	
7	[Color bar]	8	7-8
E	[Color bar]	F	E-F
2	[Color bar]	0	2-0
8	[Color bar]	6	8-6
F	[Color bar]	D	F-D

OE641-1N, Picture A4-112-3: Landolt-rings W-N; PS operator: *w* setgray*

	120	128	136	144	152	160	168	176	184	192	200	208	216	224	232	240	
120 (+8)	[Color bars]																240
60 (+4)	[Color bars]																120
30 (+2)	[Color bars]																60
15 (+1)	[Color bars]																30
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

OE641-3N, Picture A5-112-3: Line raster under 45° (or 135°); PS operator: *w* setgray*

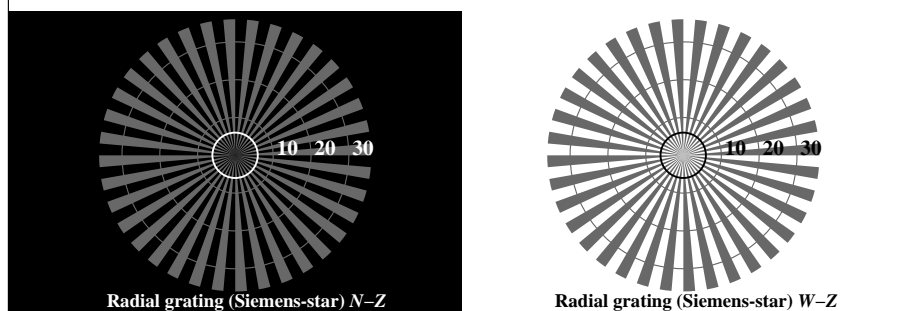
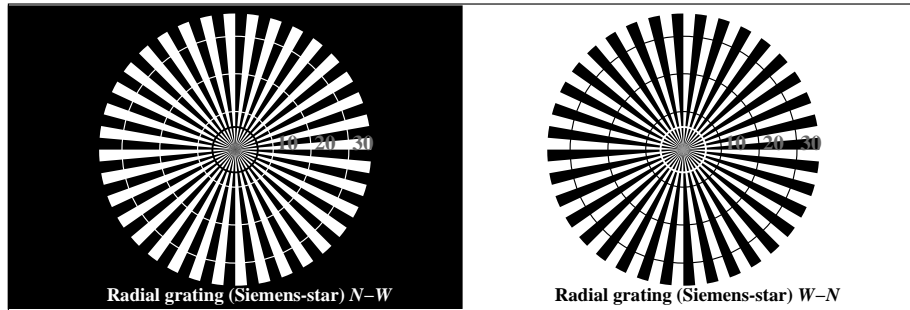
	120	128	136	144	152	160	168	176	184	192	200	208	216	224	232	240	
120 (+8)	[Color bars]																240
60 (+4)	[Color bars]																120
30 (+2)	[Color bars]																60
15 (+1)	[Color bars]																30
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

OE641-5N, Picture A6-112-3: Line raster under 90° (or 0°); PS operator: *w* setgray*

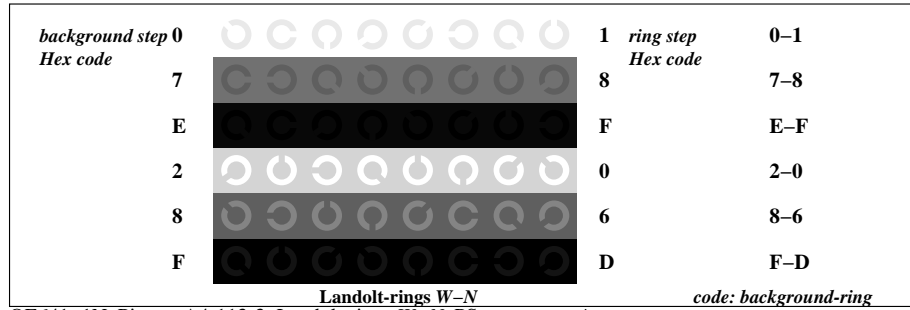
input: all (->rgb*_de) setrgbcolor
 output 130-3: $g_p=1.0$; $g_N=1.17$

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1.1, CIELAB

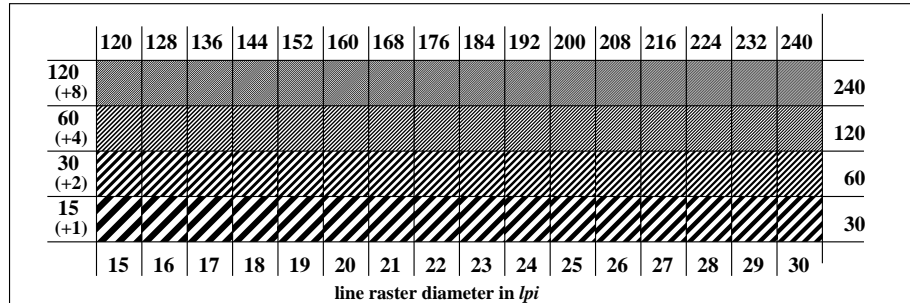
TUB registration: 20110801-OE64/OE64L0NA.TXT /.PS
 application for output of displays: monitor systems or data projector systems
 TUB material: code=thdata



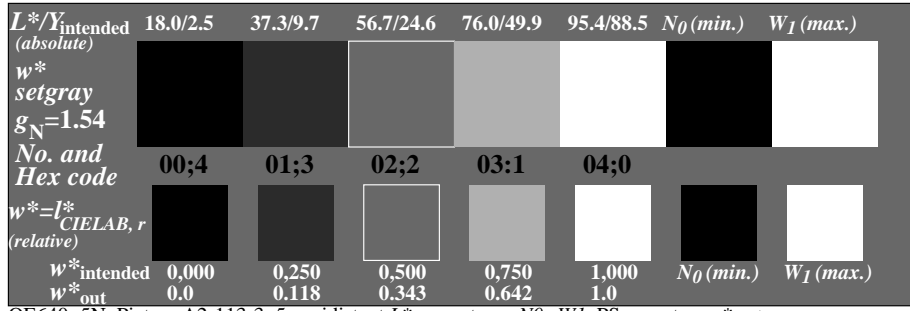
OE640-3N, Picture A1-113-3: Radial grating N-W, W-N, N-Z, W-Z; PS operator: *w* setgray*



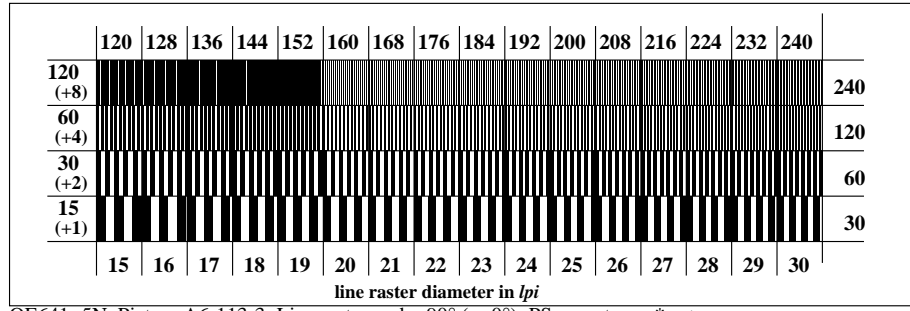
OE641-1N, Picture A4-113-3: Landolt-rings W-N; PS operator: *w* setgray*



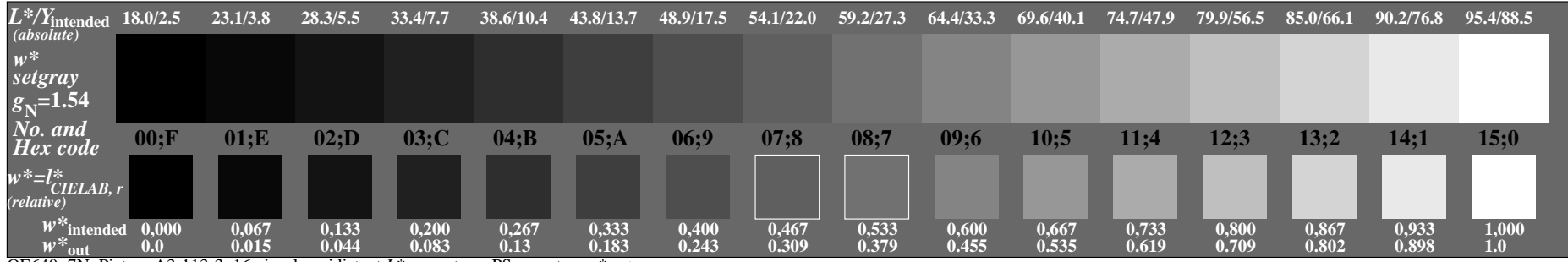
OE641-3N, Picture A5-113-3: Line raster under 45° (or 135°); PS operator: *w* setgray*



OE640-5N, Picture A2-113-3: 5 equidistant L^* -grey steps+ N_0 + W_1 ; PS operator: *w* setgray*



OE641-5N, Picture A6-113-3: Line raster under 90° (or 0°); PS operator: *w* setgray*

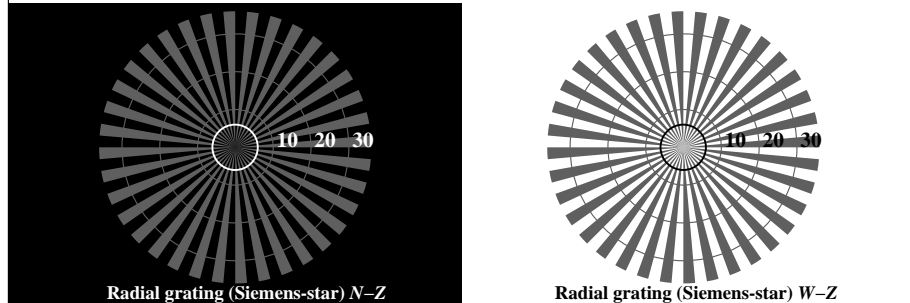
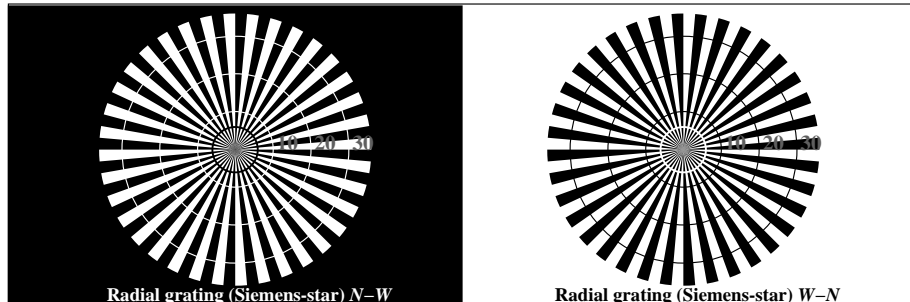


OE640-7N, Picture A3-113-3: 16 visual equidistant L^* -grey steps; PS operator: *w* setgray*

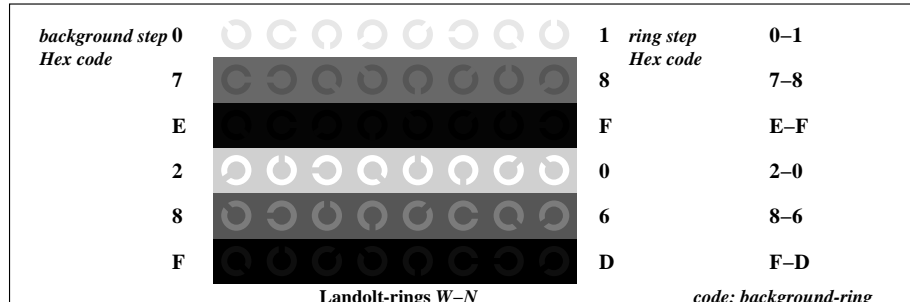
OE64: similar ME16 according to ISO 9241-306; 1MR, DEH
 Viewing Y contrast $Y_W:Y_N=88,9:2,5$; Y_N range 1,87 to <3,75
 input: all (->rgb*_de) setrgbcolor
 output 130-3: $g_p=1.0$; $g_N=1.29$

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1.1, CIELAB

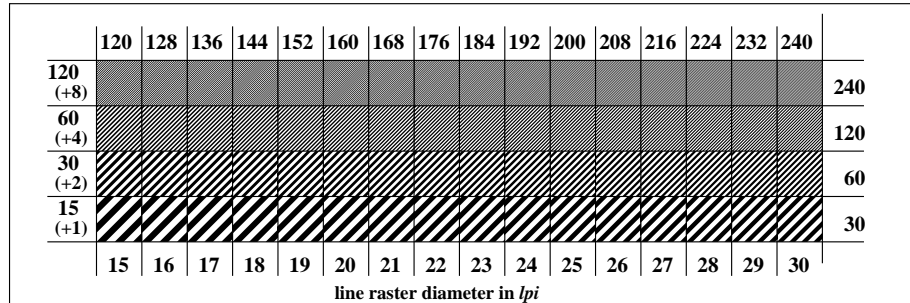
TUB registration: 20110801-OE64/OE64L0NA.TXT /.PS
 application for output of displays: monitor systems or data projector systems
 TUB material: code=thdata



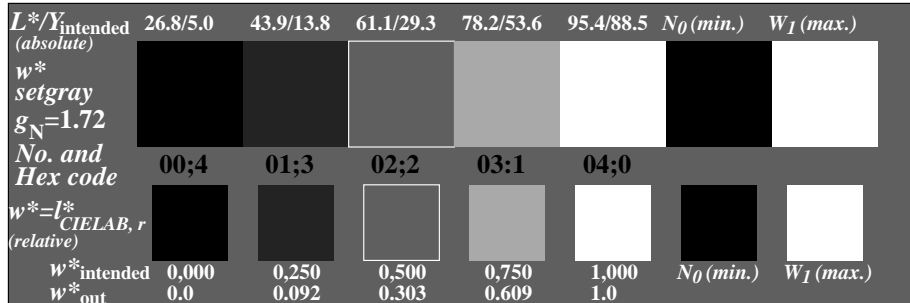
OE640-3N, Picture A1-114-3: Radial grating N-W, W-N, N-Z, W-Z; PS operator: w* setgray



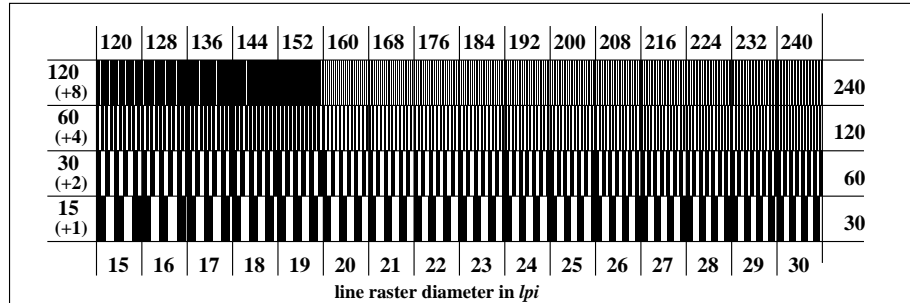
OE641-1N, Picture A4-114-3: Landolt-rings W-N; PS operator: w* setgray



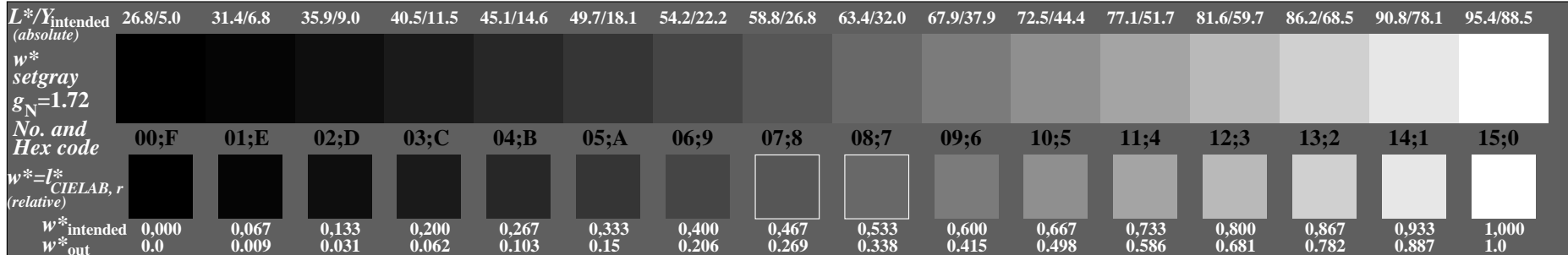
OE641-3N, Picture A5-114-3: Line raster under 45° (or 135°); PS operator: w* setgray



OE640-5N, Picture A2-114-3: 5 equidistant L*-grey steps+N0+W1; PS operator: w* setgray



OE641-5N, Picture A6-114-3: Line raster under 90° (or 0°); PS operator: w* setgray

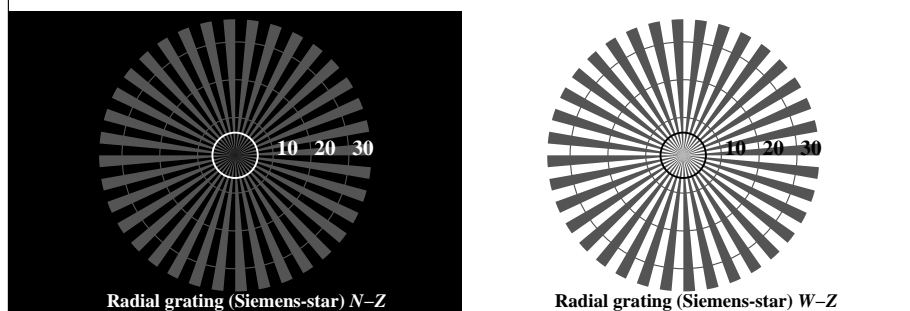
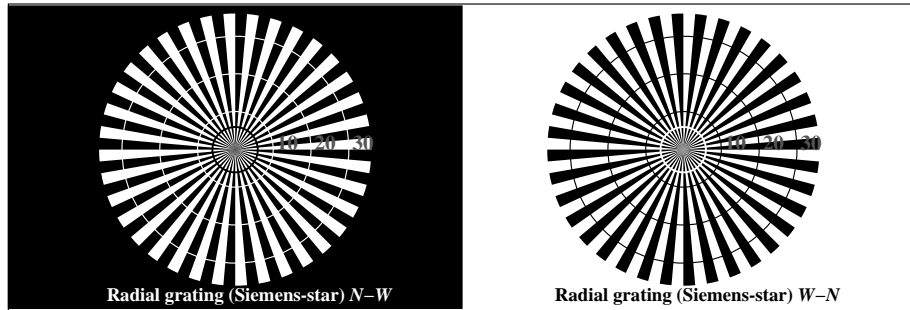


OE640-7N, Picture A3-114-3: 16 visual equidistant L*-grey steps; PS operator: w* setgray

OE64: similar ME16 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: all (->rgb*_de) setrgbcolor
 output 130-3: $g_p=1.0$; $g_N=1.42$

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1.1, CIE LAB

TUB registration: 20110801-OE64/OE64L0NA.TXT /.PS
 application for output of displays: monitor systems or data projector systems
 TUB material: code=thata



OE640-3N, Picture A1-115-3: Radial grating N-W, W-N, N-Z, W-Z; PS operator: w* setgray

$L^*/Y_{intended}$ (absolute)	37.9/10.0	52.3/20.4	66.6/36.2	81.0/58.5	95.4/88.5	N_0 (min.)	W_1 (max.)
w* setgray							
$g_N=1.9$							
No. and Hex code	00;4	01;3	02;2	03;1	04;0		
w* = l* CIE LAB, r (relative)							
w*intended	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
w*out	0.0	0.071	0.267	0.578	1.0		

OE640-5N, Picture A2-115-3: 5 equidistant L*-grey steps+N0+W1; PS operator: w* setgray

$L^*/Y_{intended}$ (absolute)	37.9/10.0	41.8/12.3	45.6/15.0	49.4/17.9	53.2/21.3	57.1/25.0	60.9/29.1	64.7/33.7	68.6/38.8	72.4/44.3	76.2/50.3	80.0/56.8	83.9/63.9	87.7/71.5	91.5/79.7	95.4/88.5
w* setgray																
$g_N=1.9$																
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* CIE LAB, 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	0.005	0.021	0.046	0.081	0.123	0.175	0.235	0.302	0.378	0.463	0.554	0.654	0.762	0.876	1.0

OE640-7N, Picture A3-115-3: 16 visual equidistant L*-grey steps; PS operator: w* setgray

OE64: similar ME16 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: all (->rgb*_de) setrgbcolor
 output 130-3: $g_P=1.0$; $g_N=1.6$

background step 0	1	ring step	0-1
Hex code		Hex code	
7		8	7-8
E		F	E-F
2		0	2-0
8		6	8-6
F		D	F-D

OE641-1N, Picture A4-115-3: Landolt-rings W-N; PS operator: w* setgray

	120	128	136	144	152	160	168	176	184	192	200	208	216	224	232	240	
120 (+8)																240	
60 (+4)																120	
30 (+2)																60	
15 (+1)																30	
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

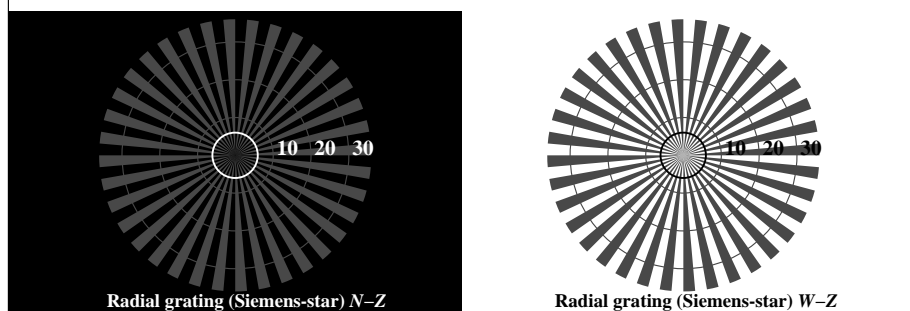
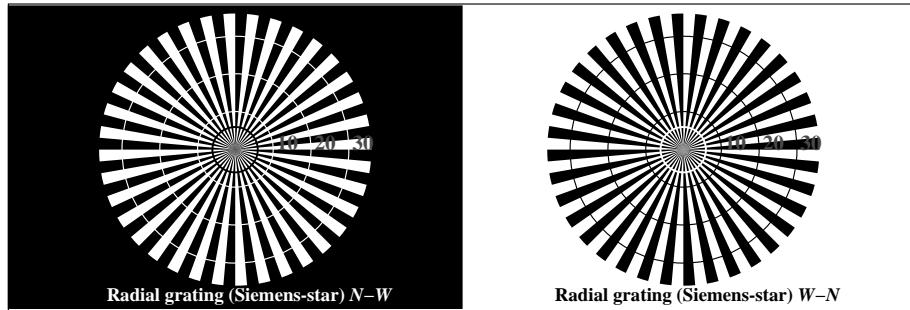
OE641-3N, Picture A5-115-3: Line raster under 45° (or 135°); PS operator: w* setgray

	120	128	136	144	152	160	168	176	184	192	200	208	216	224	232	240	
120 (+8)																240	
60 (+4)																120	
30 (+2)																60	
15 (+1)																30	
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

OE641-5N, Picture A6-115-3: Line raster under 90° (or 0°); PS operator: w* setgray

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1.1, CIELAB

TUB registration: 20110801-OE64/OE64L0NA.TXT /.PS
 application for output of displays: monitor systems or data projector systems
 TUB material: code=thdata



OE640-3N, Picture A1-116-3: Radial grating N-W, W-N, N-Z, W-Z; PS operator: w* setgray

$L^*/Y_{intended}$ (absolute)	52.0/20.1	62.8/31.4	73.7/46.2	84.5/65.1	95.4/88.5	N_0 (min.)	W_1 (max.)
w* setgray	[Color bars]						
$g_N=2.08$	[Color bars]						
No. and Hex code	00;4	01;3	02;2	03;1	04;0		
w* = l* CIELAB, r (relative)	[Color bars]						
w*intended	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
w*out	0.0	0.055	0.236	0.549	1.0		

OE640-5N, Picture A2-116-3: 5 equidistant L*-grey steps+N0+W1; PS operator: w* setgray

$L^*/Y_{intended}$ (absolute)	52.0/20.1	54.9/22.8	57.8/25.7	60.6/28.9	63.5/32.2	66.4/35.9	69.3/39.8	72.2/44.0	75.1/48.5	78.0/53.3	80.9/58.3	83.8/63.7	86.7/69.4	89.6/75.4	92.5/81.8	95.4/88.5
w* setgray	[Color bars]															
$g_N=2.08$	[Color bars]															
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)	[Color bars]															
w*intended	0,000	0,067	0,133	0,200	0,267	0,333	0,400	0,467	0,533	0,600	0,667	0,733	0,800	0,867	0,933	1,000
w*out	0.0	0.003	0.015	0.035	0.064	0.101	0.148	0.205	0.27	0.345	0.43	0.524	0.628	0.743	0.865	1.0

OE640-7N, Picture A3-116-3: 16 visual equidistant L*-grey steps; PS operator: w* setgray

OE64: similar ME16 according to ISO 9241-306; 1MR, DEH
 Viewing Y contrast $Y_W:Y_N=88,9:20$; Y_N range 15 to <30

background step 0	1	ring step 0-1
Hex code 7	Hex code 8	Hex code 7-8
E	F	E-F
2	0	2-0
8	6	8-6
F	D	F-D

OE641-1N, Picture A4-116-3: Landolt-rings W-N; PS operator: w* setgray

	120	128	136	144	152	160	168	176	184	192	200	208	216	224	232	240	
120 (+8)	[Image]															240	
60 (+4)	[Image]															120	
30 (+2)	[Image]															60	
15 (+1)	[Image]															30	
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

OE641-3N, Picture A5-116-3: Line raster under 45° (or 135°); PS operator: w* setgray

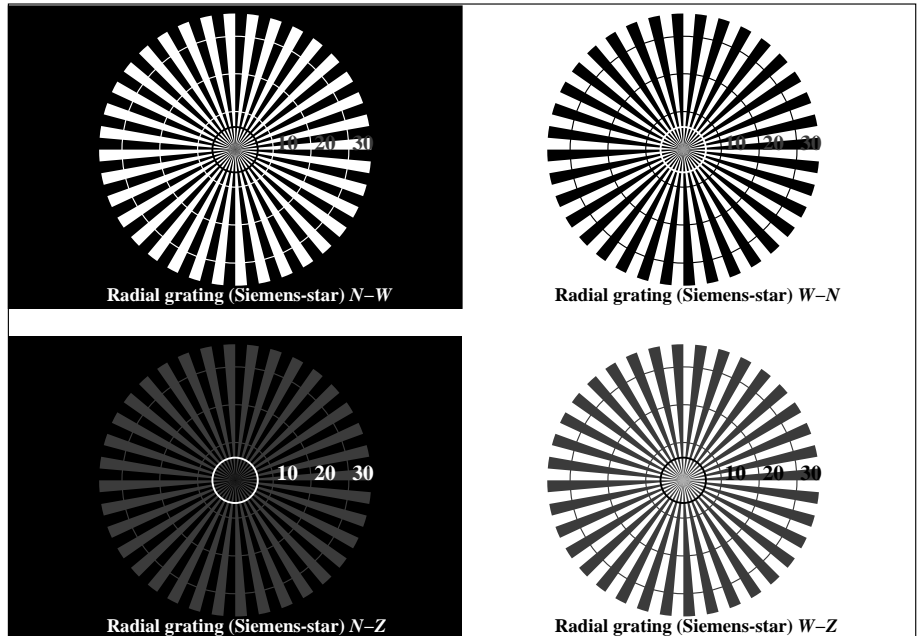
	120	128	136	144	152	160	168	176	184	192	200	208	216	224	232	240	
120 (+8)	[Image]															240	
60 (+4)	[Image]															120	
30 (+2)	[Image]															60	
15 (+1)	[Image]															30	
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

OE641-5N, Picture A6-116-3: Line raster under 90° (or 0°); PS operator: w* setgray

input: all (->rgb*_de) setrgbcolor
 output 130-3: $g_p=1.0$; $g_N=1.81$

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1.1, CIELAB

TUB registration: 20110801-OE64/OE64L0NA.TXT /.PS
 application for output of displays: monitor systems or data projector systems
 TUB material: code=thata



OE640-3N, Picture A1-117-3: Radial grating N-W, W-N, N-Z, W-Z; PS operator: *w* setgray*

$L^*/Y_{intended}$ (absolute)	69.6/40.3	76.1/50.0	82.5/61.3	88.9/74.1	95.4/88.5	N_0 (min.)	W_1 (max.)
<i>w*</i> <i>setgray</i>	[Color swatches]						
$g_N=2.26$	[Color swatches]						
No. and Hex code	00;4	01;3	02;2	03;1	04;0		
$w^*=l^*$ CIELAB, r (relative)	[Color swatches]						
$w^*_{intended}$	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
w^*_{out}	0.0	0.043	0.208	0.521	1.0		

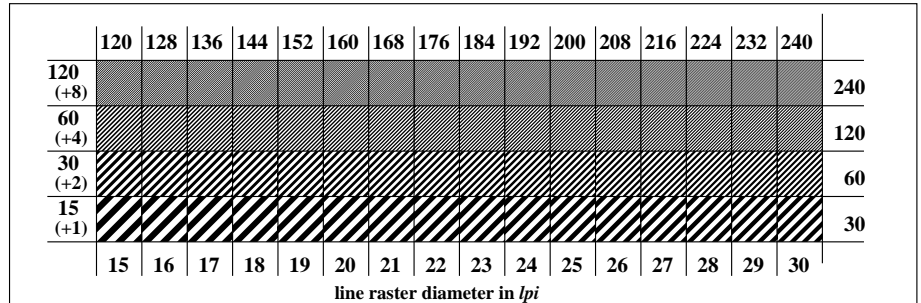
OE640-5N, Picture A2-117-3: 5 equidistant L^* -grey steps+ N_0 + W_1 ; PS operator: *w* setgray*

$L^*/Y_{intended}$ (absolute)	69.6/40.3	71.4/42.7	73.1/45.3	74.8/48.0	76.5/50.7	78.2/53.6	79.9/56.6	81.6/59.7	83.4/62.9	85.1/66.2	86.8/69.6	88.5/73.2	90.2/76.8	91.9/80.6	93.6/84.5	95.4/88.5
<i>w*</i> <i>setgray</i>	[Color swatches]															
$g_N=2.26$	[Color swatches]															
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)	[Color swatches]															
$w^*_{intended}$	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	0.002	0.01	0.026	0.05	0.083	0.126	0.178	0.241	0.315	0.4	0.495	0.603	0.724	0.854	1.0

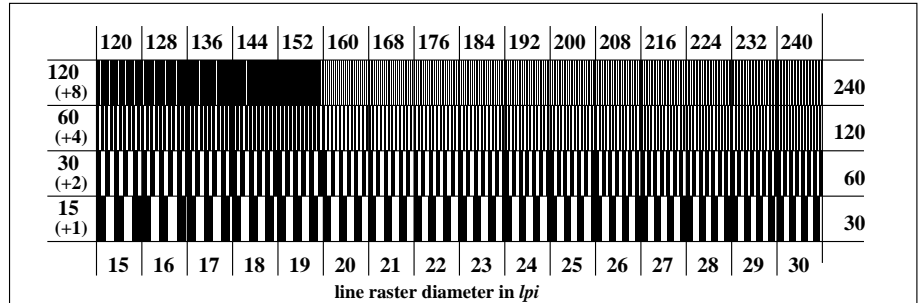
OE640-7N, Picture A3-117-3: 16 visual equidistant L^* -grey steps; PS operator: *w* setgray*

background step 0	Hex code	1	ring step	0-1
7		8	Hex code	7-8
E		F		E-F
2		0		2-0
8		6		8-6
F		D		F-D

OE641-1N, Picture A4-117-3: Landolt-rings W-N; PS operator: *w* setgray*



OE641-3N, Picture A5-117-3: Line raster under 45° (or 135°); PS operator: *w* setgray*



OE641-5N, Picture A6-117-3: Line raster under 90° (or 0°); PS operator: *w* setgray*

OE64: similar ME16 according to ISO 9241-306; 1MR, DEH
 Viewing Y contrast $Y_W:Y_N=88,9:40$; Y_N range 30 to <60
 input: all (-> rgb^*_{de}) *setrgbcolor*
 output 130-3: $g_p=1.0$; $g_N=2.1$