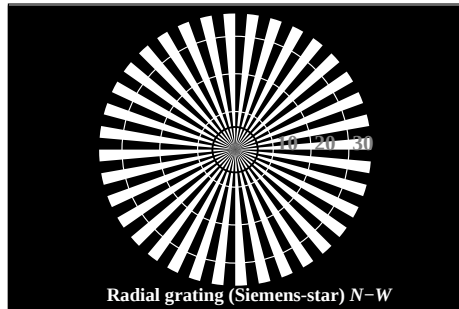
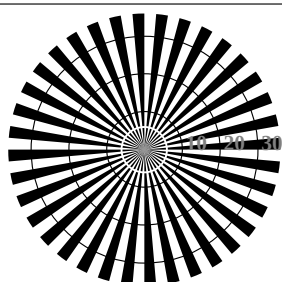


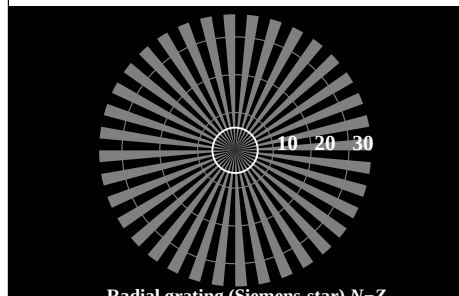
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



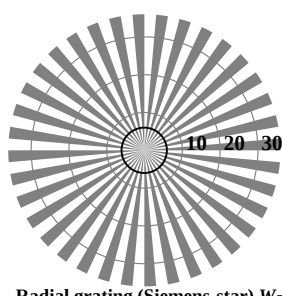
Radial grating (Siemens-star) N-W



Radial grating (Siemens-star) W-N

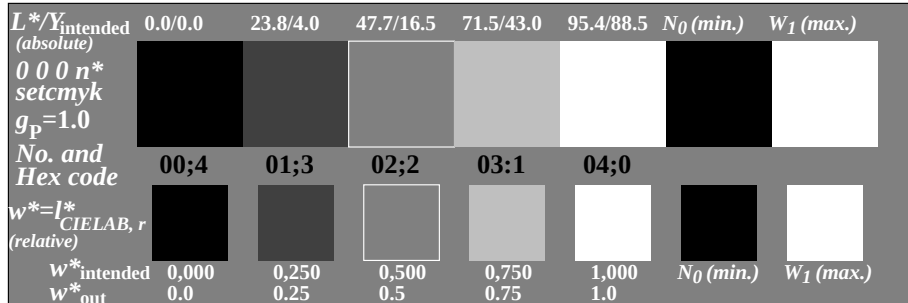


Radial grating (Siemens-star) N-Z

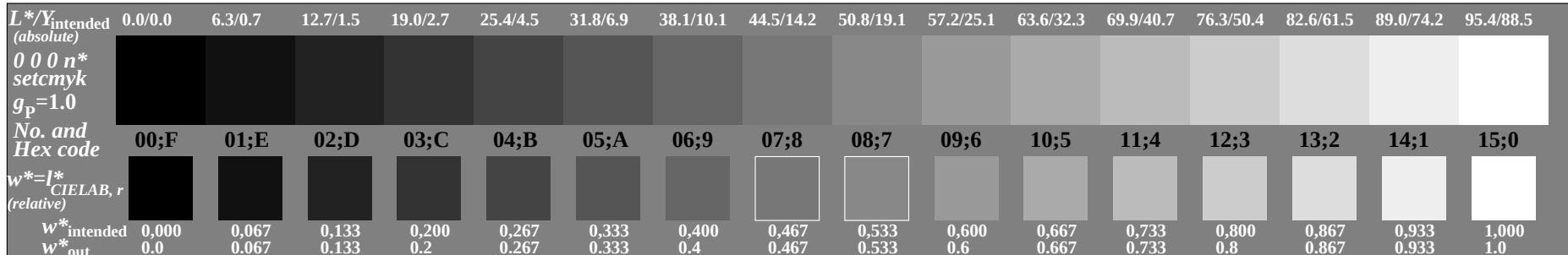


Radial grating (Siemens-star) W-Z

OE540-3N, Picture A1-100-0: Radial grating N-W, W-N, N-Z, W-Z; PS operator: 0 0 0 n* setcmykcolor



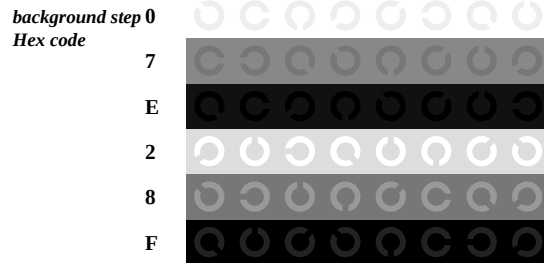
OE540-5N, Picture A2-100-0: 5 equidistant L^* -grey steps+N0+W1; PS operator: 0 0 0 n* setcmykcolor



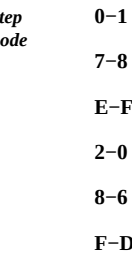
OE540-7N, Picture A3-100-0: 16 visual equidistant L^* -grey steps; PS operator: 0 0 0 n* setcmykcolor

OE54: similar ME16 according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:0,31$; Y_N range 0,0 to <0,46

input: all ($\rightarrow rgb^*_d$) setrgbcolor
output 130-0: $g_P=1.0$; $g_N=1.0$

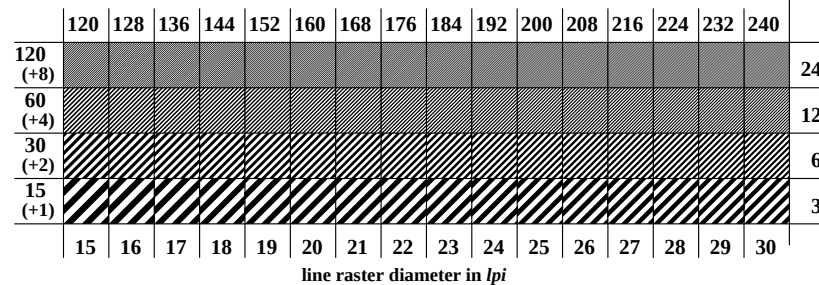


Landolt-rings W-N

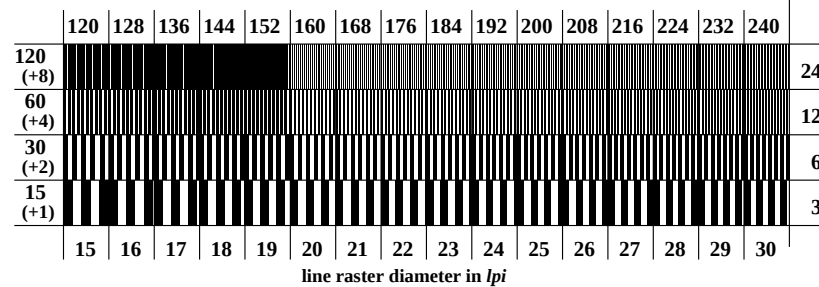


code: background-ring

OE541-1N, Picture A4-100-0: Landolt-rings W-N; PS operator: 0 0 0 n* setcmykcolor



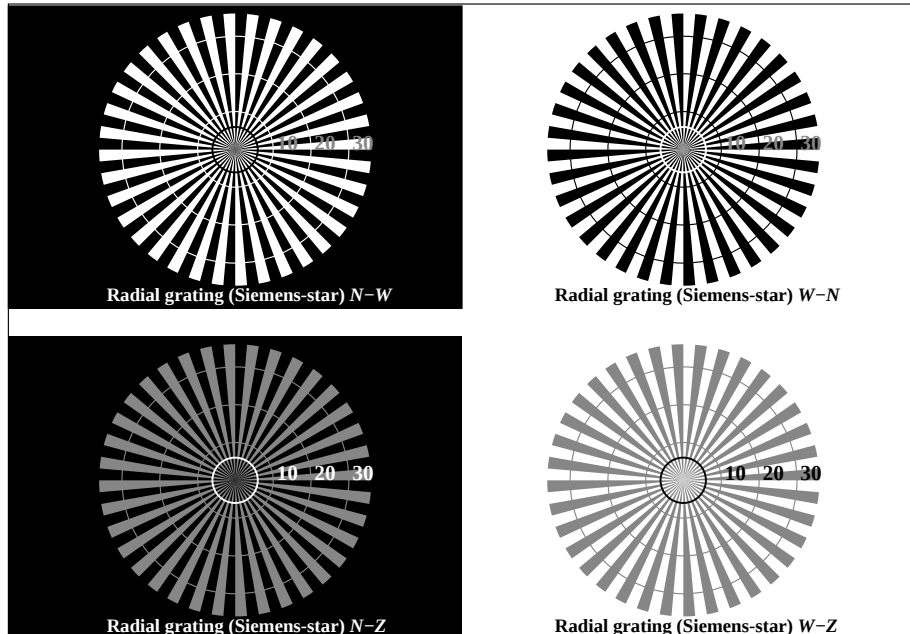
OE541-3N, Picture A5-100-0: Line raster under 45° (or 135°); PS operator: 0 0 0 n* setcmykcolor



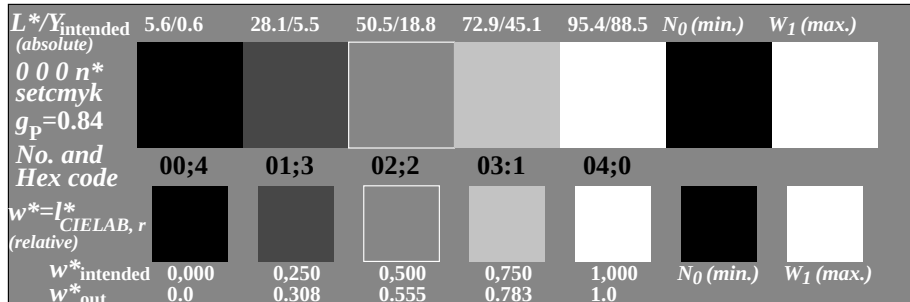
OE541-5N, Picture A6-100-0: Line raster under 90° (or 0°); PS operator: 0 0 0 n* setcmykcolor

TUB registration: 20110801-OE54/OE54L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta

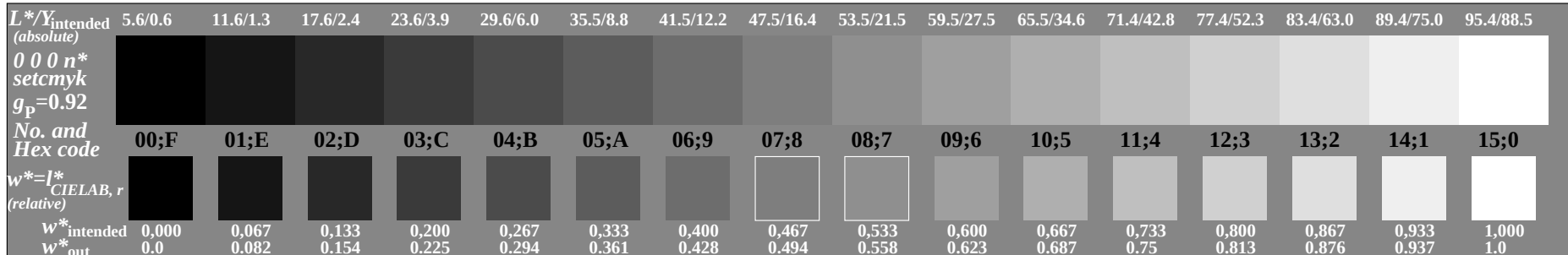
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



OE540-3N, Picture A1-101-0: Radial grating N-W, W-N, N-Z, W-Z; PS operator: 0 0 0 n* setcmykcolor



OE540-5N, Picture A2-101-0: 5 equidistant L^* -grey steps+N0+W1; PS operator: 0 0 0 n* setcmykcolor



OE540-7N, Picture A3-101-0: 16 visual equidistant L^* -grey steps; PS operator: 0 0 0 n* setcmykcolor

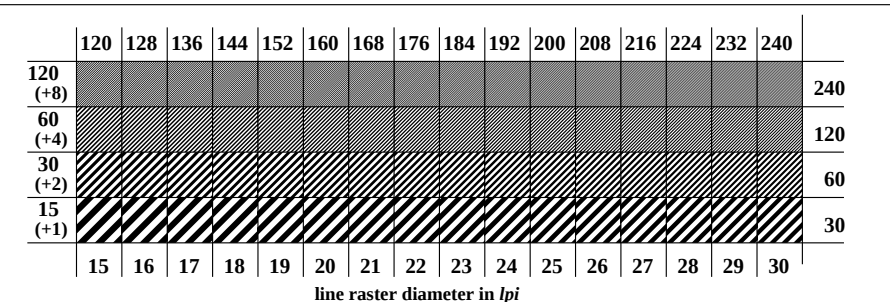
OE54: similar ME16 according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:0,62$; Y_N range 0,46 to <0,93

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

Landolt-rings W-N

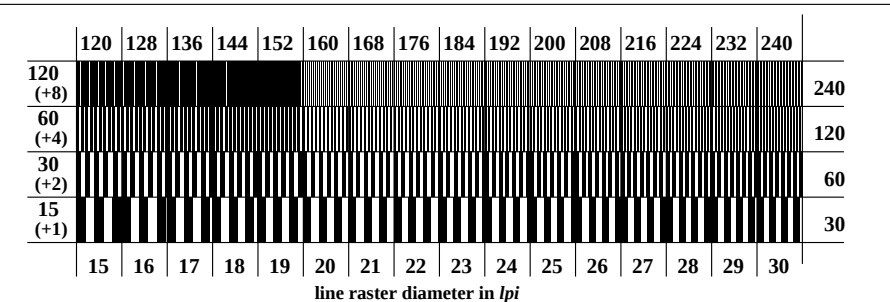
code: background-ring

OE541-1N, Picture A4-101-0: Landolt-rings W-N; PS operator: 0 0 0 n* setcmykcolor



line raster diameter in lpi

OE541-3N, Picture A5-101-0: Line raster under 45° (or 135°); PS operator: 0 0 0 n* setcmykcolor

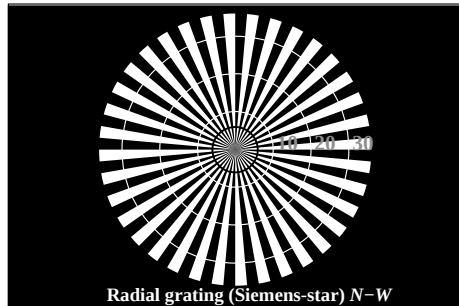


line raster diameter in lpi

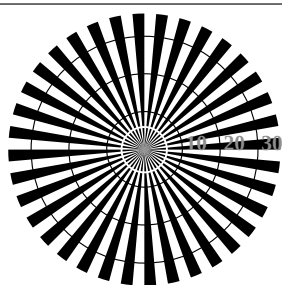
OE541-5N, Picture A6-101-0: Line raster under 90° (or 0°); PS operator: 0 0 0 n* setcmykcolor

input: all (->rgb*_d) setrgbcolor
output 131-0: $g_p=0.92$; $g_N=1.0$

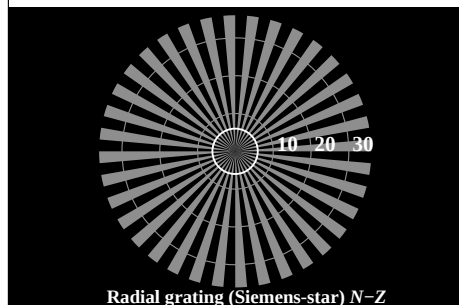
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



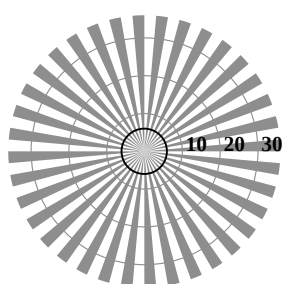
Radial grating (Siemens-star) N-W



Radial grating (Siemens-star) W-N

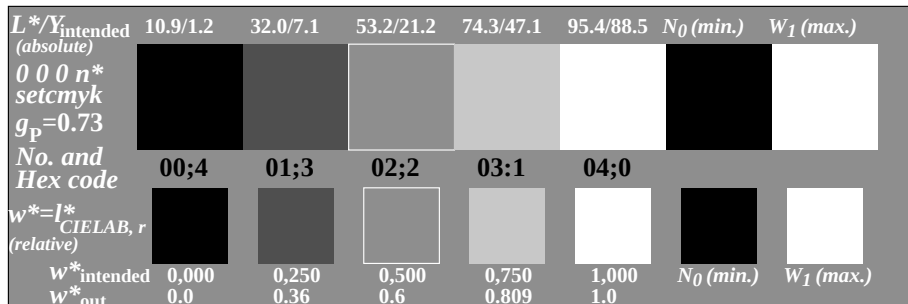


Radial grating (Siemens-star) N-Z

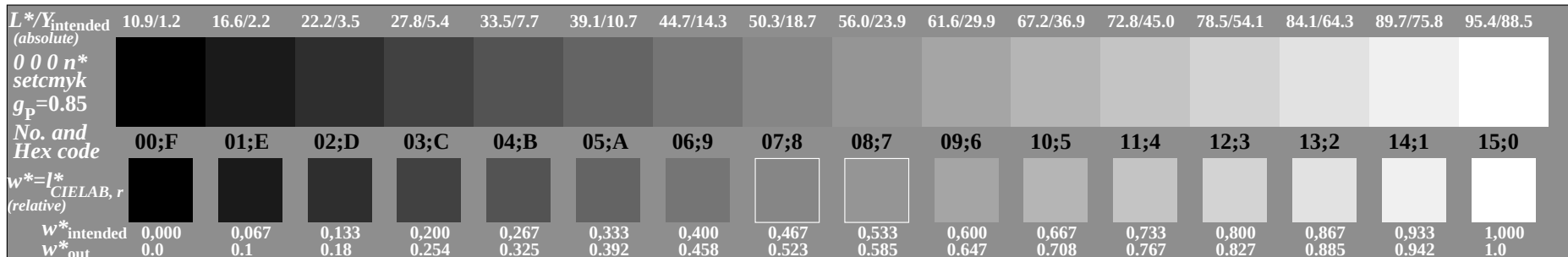


Radial grating (Siemens-star) W-Z

OE540-3N, Picture A1-102-0: Radial grating N-W, W-N, N-Z, W-Z; PS operator: 0 0 0 n* setcmykcolor



OE540-5N, Picture A2-102-0: 5 equidistant L^* -grey steps+N0+W1; PS operator: 0 0 0 n* setcmykcolor



OE540-7N, Picture A3-102-0: 16 visual equidistant L^* -grey steps; PS operator: 0 0 0 n* setcmykcolor

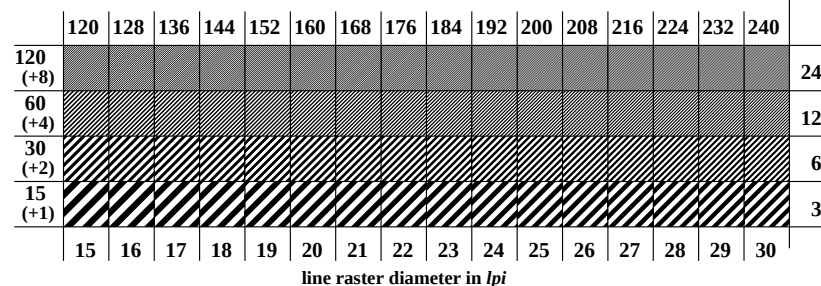
OE54: similar ME16 according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:1,25$; Y_N range 0,93 to <1,87

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

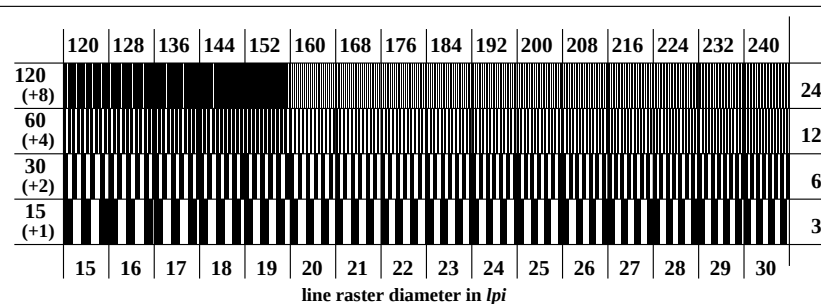
Landolt-rings W-N

code: background-ring

OE541-1N, Picture A4-102-0: Landolt-rings W-N; PS operator: 0 0 0 n* setcmykcolor



OE541-3N, Picture A5-102-0: Line raster under 45° (or 135°); PS operator: 0 0 0 n* setcmykcolor

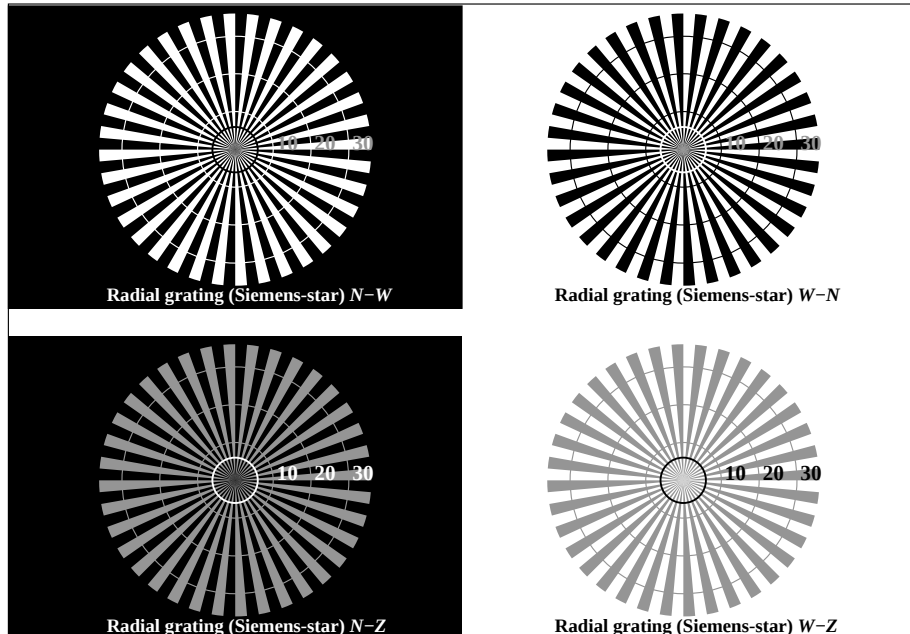


OE541-5N, Picture A6-102-0: Line raster under 90° (or 0°); PS operator: 0 0 0 n* setcmykcolor

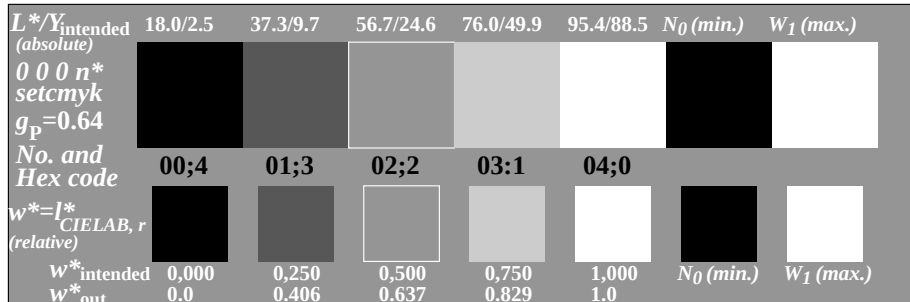
input: all (->rgb*d) setrgbcolor
output 132-0: $g_p=0.85$; $g_N=1.0$

TUB registration: 20110801-OE54/OE54L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta

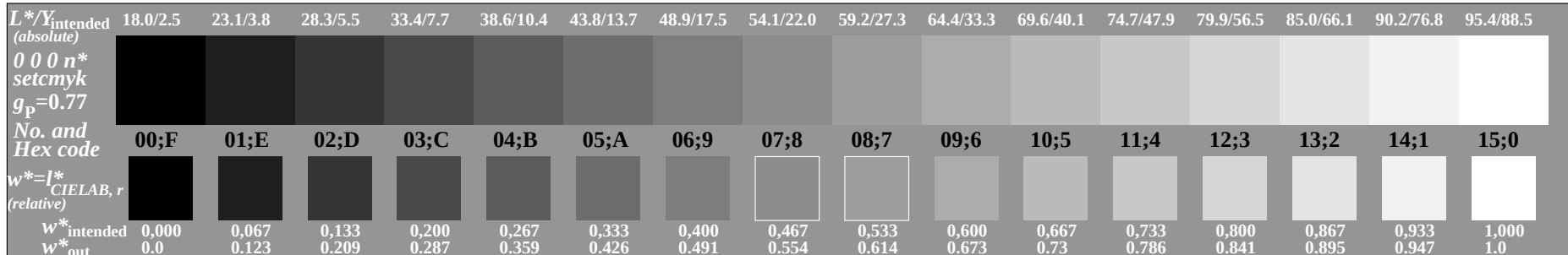
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



OE540-3N, Picture A1-103-0: Radial grating N-W, W-N, N-Z, W-Z; PS operator: 0 0 0 n* setcmykcolor

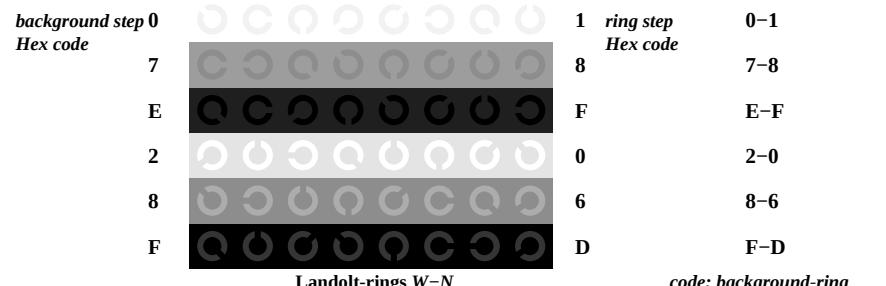


OE540-5N, Picture A2-103-0: 5 equidistant L^* -grey steps+ N_0 + W_1 ; PS operator: 0 0 0 n* setcmykcolor

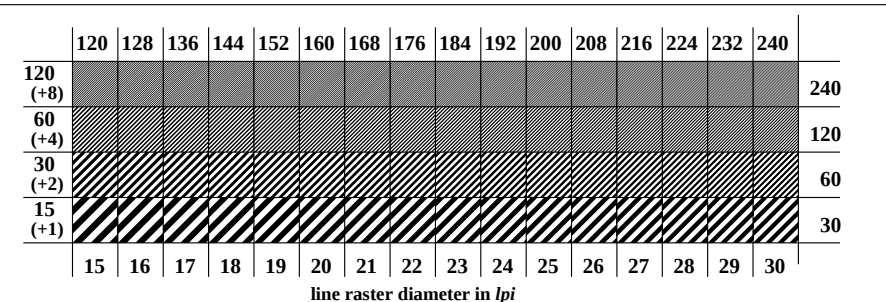


OE540-7N, Picture A3-103-0: 16 visual equidistant L^* -grey steps; PS operator: 0 0 0 n* setcmykcolor

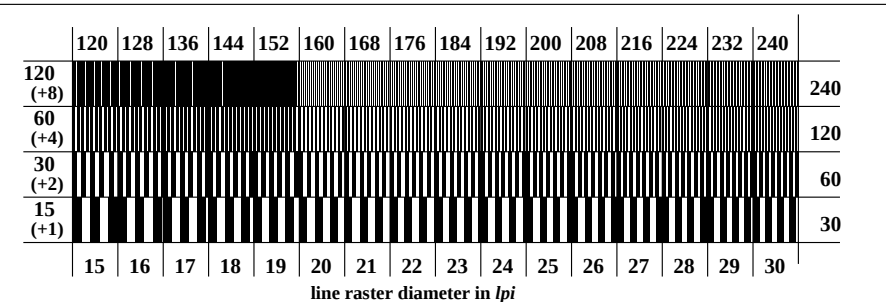
OE54: similar ME16 according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:2,5$; Y_N range 1,87 to <3,75



OE541-1N, Picture A4-103-0: Landolt-rings W-N; PS operator: 0 0 0 n* setcmykcolor



OE541-3N, Picture A5-103-0: Line raster under 45° (or 135°); PS operator: 0 0 0 n* setcmykcolor

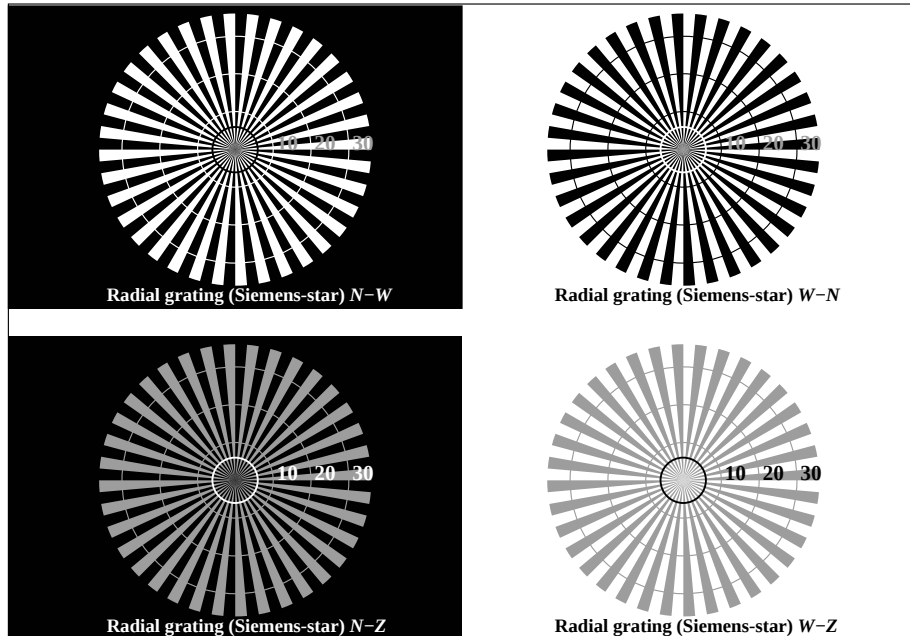


OE541-5N, Picture A6-103-0: Line raster under 90° (or 0°); PS operator: 0 0 0 n* setcmykcolor

input: all (->rgb*) setrgbcolor
output 133-0: $g_p=0.77$; $g_N=1.0$

TUB registration: 20110801-OE54/OE54L0NA.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



OE540-3N, Picture A1-104-0: Radial grating N-W, W-N, N-Z, W-Z; PS operator: 0 0 0 n* setcmykcolor

$L^*/Y_{intended}$ (absolute)	26.8/5.0	43.9/13.8	61.1/29.3	78.2/53.6	95.4/88.5	N_0 (min.)	W_1 (max.)
0 0 0 n* setcmyk $g_p=0.58$ No. and Hex code	00;4	01;3	02;2	03;1	04;0		
$w^*=l^*$ CIELAB, r (relative)							
$w^*_{intended}$	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
w^*_{out}	0.0	0.446	0.668	0.845	1.0		

OE540-5N, Picture A2-104-0: 5 equidistant L^* -grey steps+ N_0 + W_1 ; PS operator: 0 0 0 n* setcmykcolor

$L^*/Y_{intended}$ (absolute)	26.8/5.0	31.4/6.8	35.9/9.0	40.5/11.5	45.1/14.6	49.7/18.1	54.2/22.2	58.8/26.8	63.4/32.0	67.9/37.9	72.5/44.4	77.1/51.7	81.6/59.7	86.2/68.5	90.8/78.1	95.4/88.5
0 0 0 n* setcmyk $g_p=0.7$ 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	0.15	0.243	0.324	0.396	0.463	0.526	0.586	0.643	0.699	0.753	0.804	0.855	0.904	0.952	1.0

OE540-7N, Picture A3-104-0: 16 visual equidistant L^* -grey steps; PS operator: 0 0 0 n* setcmykcolor

OE54: similar ME16 according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:5$; Y_N range 3,75 to <7,5

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

OE541-1N, Picture A4-104-0: Landolt-rings W-N; PS operator: 0 0 0 n* setcmykcolor

	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	

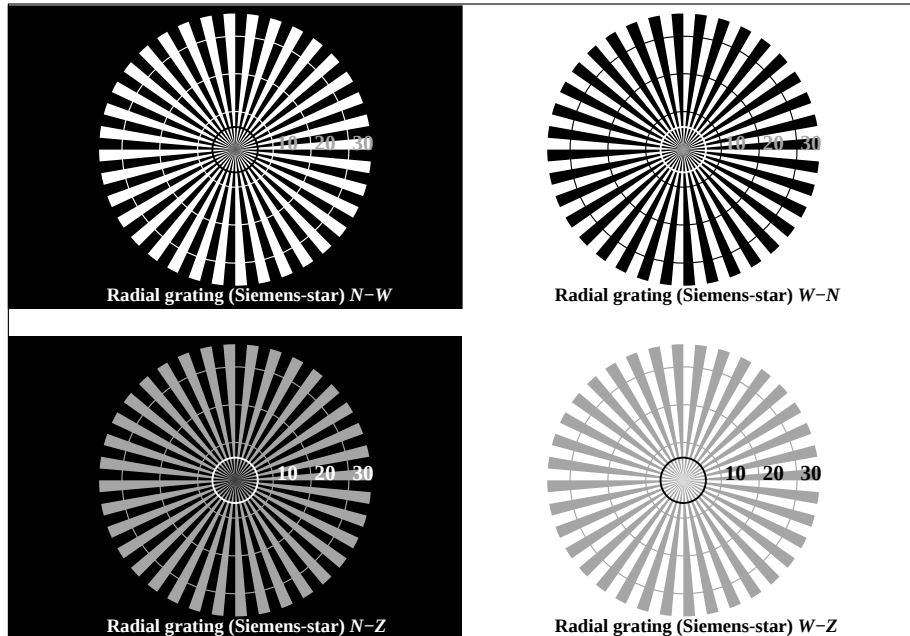
OE541-3N, Picture A5-104-0: Line raster under 45° (or 135°); PS operator: 0 0 0 n* setcmykcolor

	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	

OE541-5N, Picture A6-104-0: Line raster under 90° (or 0°); PS operator: 0 0 0 n* setcmykcolor

input: all (->rgb*) setrgbcolor
output 134-0: $g_p=0.7$; $g_N=1.0$

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



OE540-3N, Picture A1-105-0: Radial grating N-W, W-N, N-Z, W-Z; PS operator: 0 0 0 n* setcmykcolor

$L^*/Y_{intended}$ (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.)
0 0 0 n* setcmyk $g_p=0.52$ No. and Hex code	00;4	01;3	02;2	03;1	04;0		
$w^*=l^*$ CIELAB, r (relative)							
$w^*_{intended}$	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
w^*_{out}	0.0	0.482	0.694	0.859	1.0		

OE540-5N, Picture A2-105-0: 5 equidistant L^* -grey steps+N0+W1; PS operator: 0 0 0 n* setcmykcolor

$L^*/Y_{intended}$ (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
0 0 0 n* setcmyk $g_p=0.62$ 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	0.184	0.283	0.365	0.438	0.502	0.564	0.621	0.674	0.726	0.776	0.823	0.869	0.914	0.957	1.0

OE540-7N, Picture A3-105-0: 16 visual equidistant L^* -grey steps; PS operator: 0 0 0 n* setcmykcolor

OE54: similar ME16 according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:10$; Y_N range 7,5 to <15

background step 0 Hex code	7	E	2	8	F
1 ring step Hex code	8	F	0	6	D
0-1 7-8 E-F 2-0 8-6 F-D					
Landolt-rings W-N					code: background-ring

OE541-1N, Picture A4-105-0: Landolt-rings W-N; PS operator: 0 0 0 n* setcmykcolor

	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	
line raster diameter in lpi																	

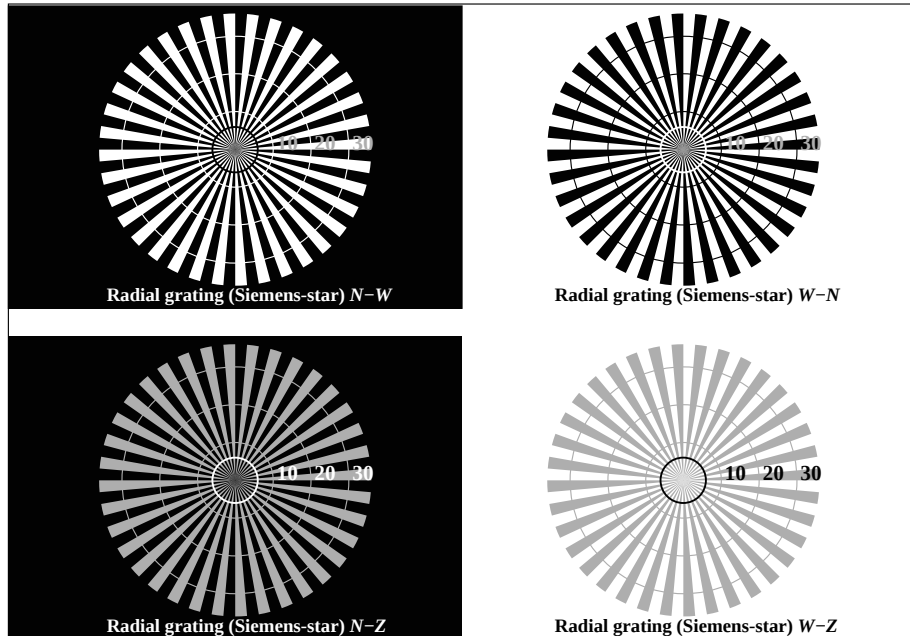
OE541-3N, Picture A5-105-0: Line raster under 45° (or 135°); PS operator: 0 0 0 n* setcmykcolor

	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	
line raster diameter in lpi																	

OE541-5N, Picture A6-105-0: Line raster under 90° (or 0°); PS operator: 0 0 0 n* setcmykcolor

input: all (->rgb*) setrgbcolor
output 135-0: $g_p=0.62$; $g_N=1.0$

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



OE540-3N, Picture A1-106-0: Radial grating N-W, W-N, N-Z, W-Z; PS operator: 0 0 0 n* setcmykcolor

$L^*/Y_{intended}$ (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.)
0 0 0 n* setcmyk $g_p=0.48$ No. and Hex code	00;4	01;3	02;2	03;1	04;0		
$w^*=l^*$ CIELAB, r (relative)							
$w^*_{intended}$	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
w^*_{out}	0.0	0.513	0.716	0.87	1.0		

OE540-5N, Picture A2-106-0: 5 equidistant L^* -grey steps+ N_0 + W_1 ; PS operator: 0 0 0 n* setcmykcolor

$L^*/Y_{intended}$ (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
0 0 0 n* setcmyk $g_p=0.55$ 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	0.226	0.329	0.412	0.483	0.546	0.604	0.657	0.707	0.755	0.8	0.842	0.884	0.924	0.962	1.0

OE540-7N, Picture A3-106-0: 16 visual equidistant L^* -grey steps; PS operator: 0 0 0 n* setcmykcolor

OE54: similar ME16 according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:20$; Y_N range 15 to <30

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

OE541-1N, Picture A4-106-0: Landolt-rings W-N; PS operator: 0 0 0 n* setcmykcolor

	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	

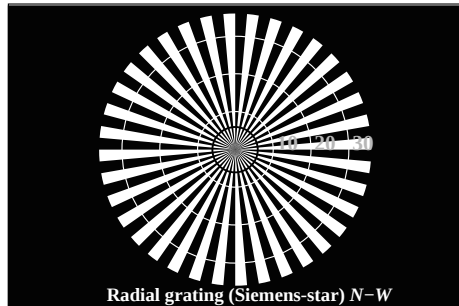
OE541-3N, Picture A5-106-0: Line raster under 45° (or 135°); PS operator: 0 0 0 n* setcmykcolor

	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	

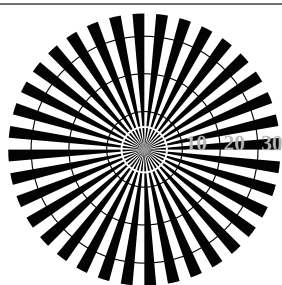
OE541-5N, Picture A6-106-0: Line raster under 90° (or 0°); PS operator: 0 0 0 n* setcmykcolor

input: all (->rgb*) setrgbcolor
output 136-0: $g_p=0.55$; $g_N=1.0$

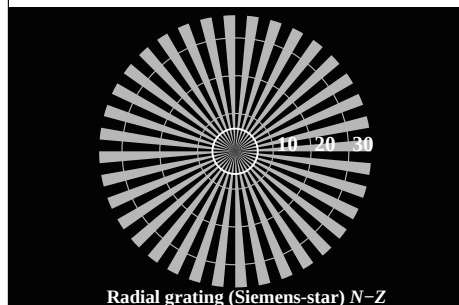
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



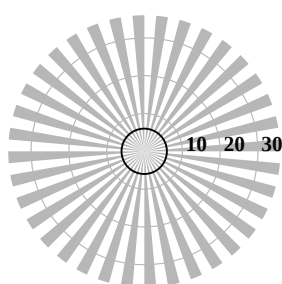
Radial grating (Siemens-star) N-W



Radial grating (Siemens-star) W-N

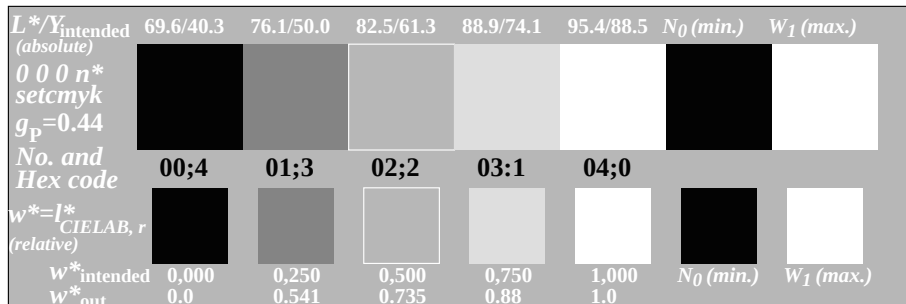


Radial grating (Siemens-star) N-Z

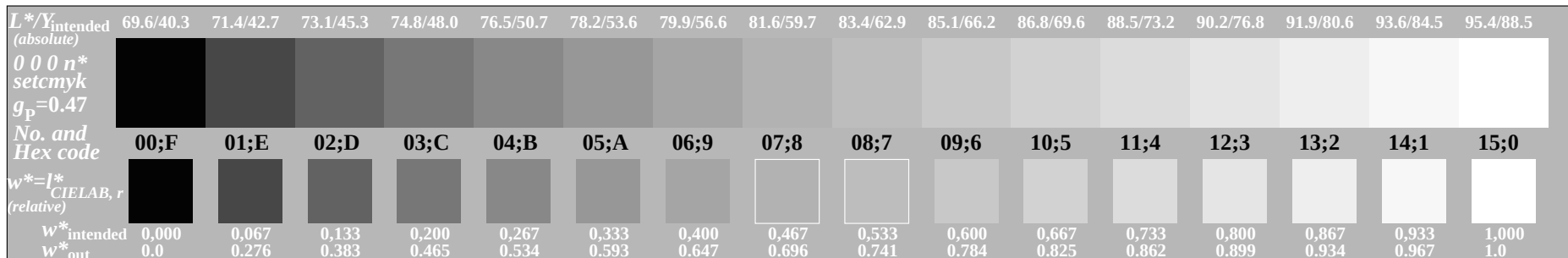


Radial grating (Siemens-star) W-Z

OE540-3N, Picture A1-107-0: Radial grating N-W, W-N, N-Z, W-Z; PS operator: 0 0 0 n* setcmykcolor



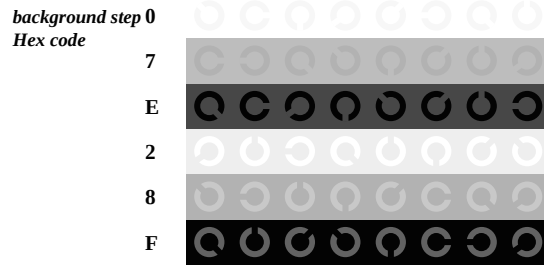
OE540-5N, Picture A2-107-0: 5 equidistant L^* -grey steps+ N_0 + W_1 ; PS operator: 0 0 0 n* setcmykcolor



OE540-7N, Picture A3-107-0: 16 visual equidistant L^* -grey steps; PS operator: 0 0 0 n* setcmykcolor

OE54: similar ME16 according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:40$; Y_N range 30 to <60

input: all ($\rightarrow rgb^*_d$) setrgbcolor
output 137-0: $g_p=0.47$; $g_N=1.0$

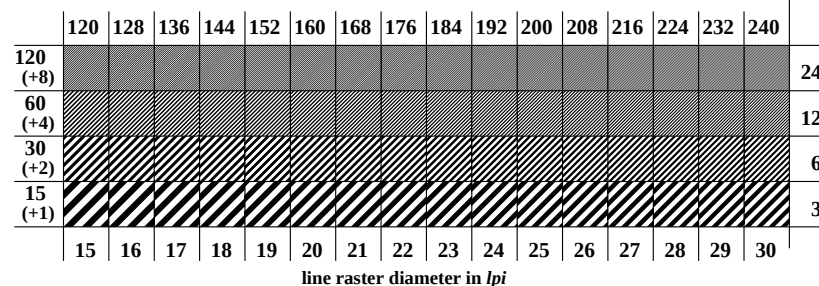


Landolt-rings W-N

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

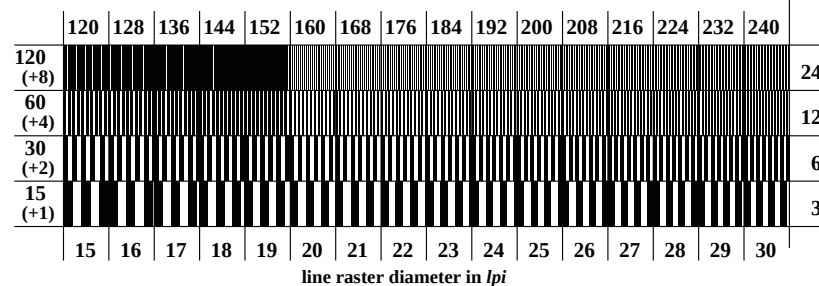
code: background-ring

OE541-1N, Picture A4-107-0: Landolt-rings W-N; PS operator: 0 0 0 n* setcmykcolor



line raster diameter in lpi

OE541-3N, Picture A5-107-0: Line raster under 45° (or 135°); PS operator: 0 0 0 n* setcmykcolor



line raster diameter in lpi

OE541-5N, Picture A6-107-0: Line raster under 90° (or 0°); PS operator: 0 0 0 n* setcmykcolor

TUB registration: 20110801-OE54/OE54L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta