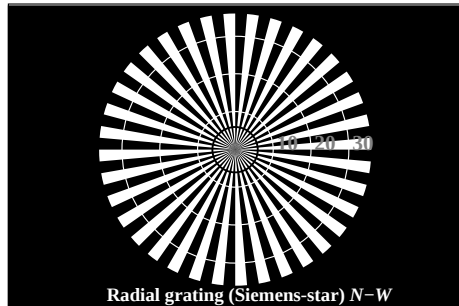
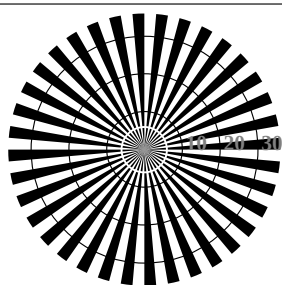


See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



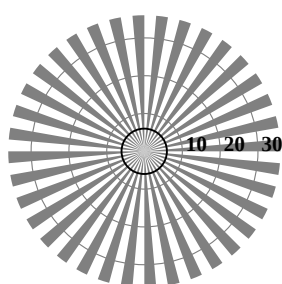
Radial grating (Siemens-star) N-W



Radial grating (Siemens-star) W-N

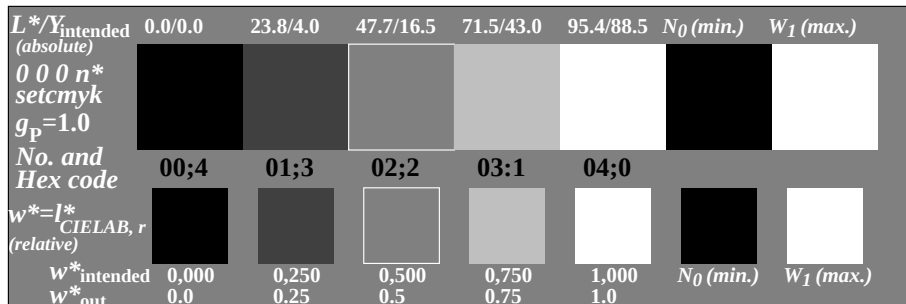


Radial grating (Siemens-star) N-Z

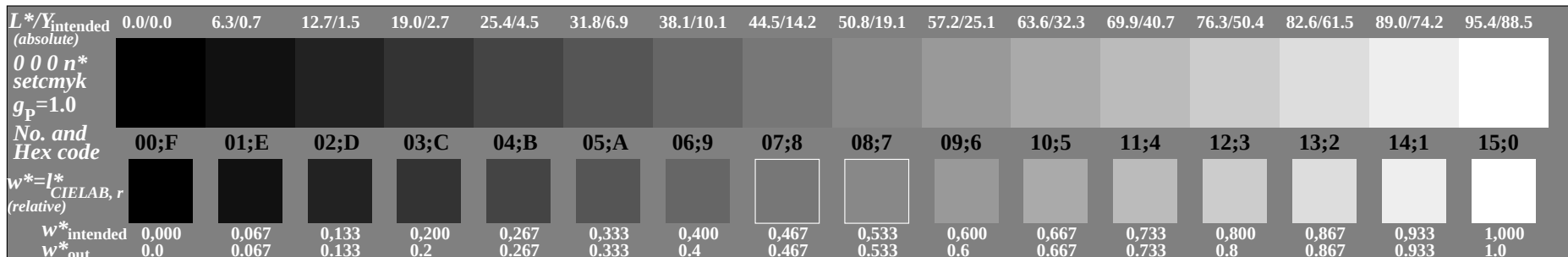


Radial grating (Siemens-star) W-Z

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

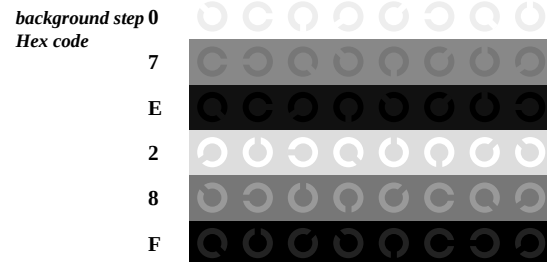


OE540-5N, Picture A2-100-0: 5 equidistant L^* -grey steps+N0+W1; PS operator: 0 0 0 n* setcmykcolor

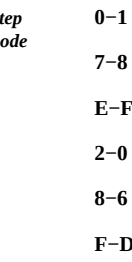


OE540-7N, Picture A3-100-0: 16 visual equidistant L^* -grey steps; PS operator: 0 0 0 n* setcmykcolor

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

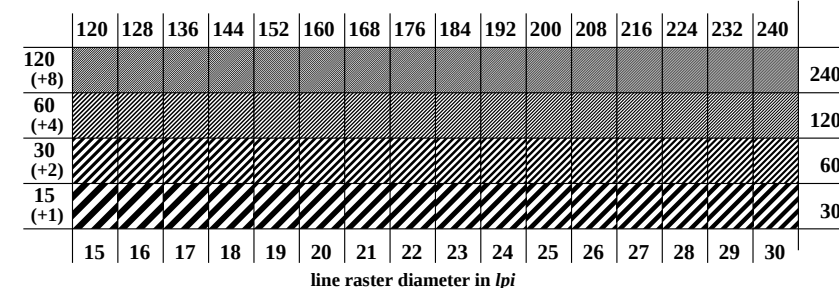


Landolt-rings W-N



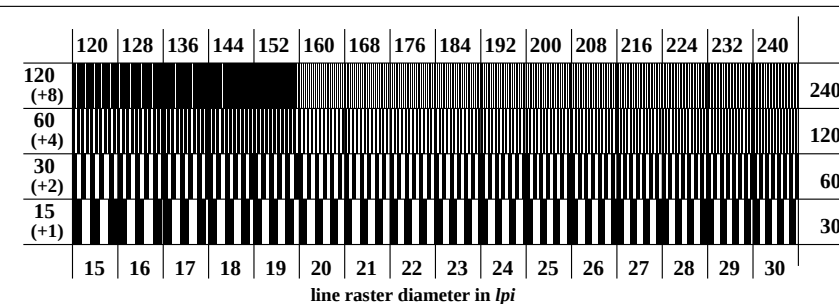
code: background-ring

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



line raster diameter in lpi

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



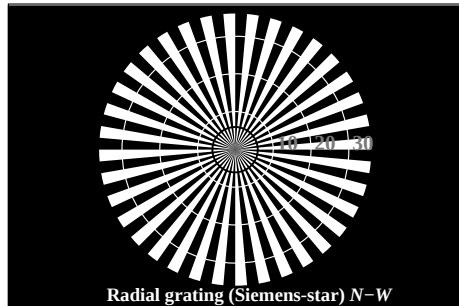
line raster diameter in lpi

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

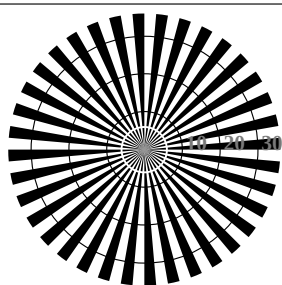
input: all (->rgb*d) setrgbcolor
output 130-0: $g_p=1.0$; $g_N=1.0$

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

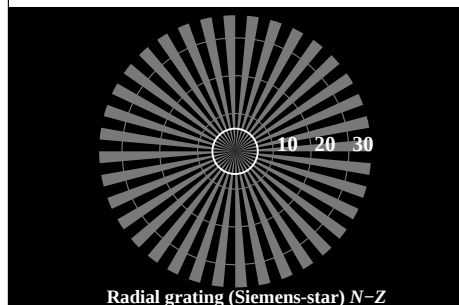
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



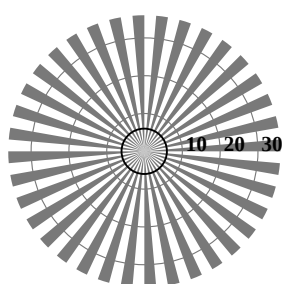
Radial grating (Siemens-star) N-W



Radial grating (Siemens-star) W-N

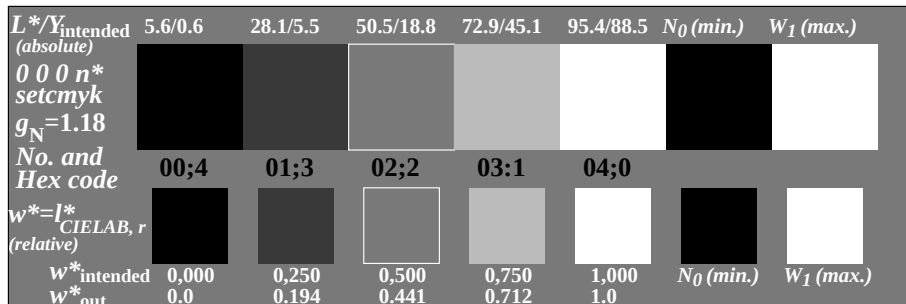


Radial grating (Siemens-star) N-Z

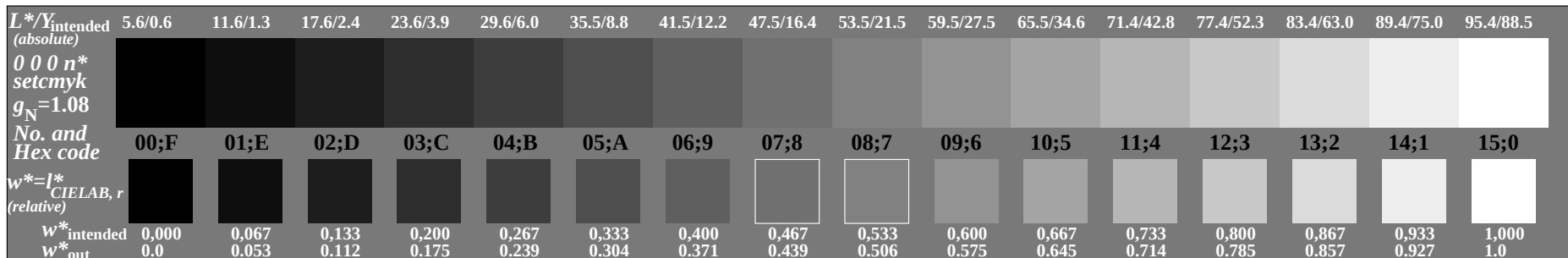


Radial grating (Siemens-star) W-Z

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

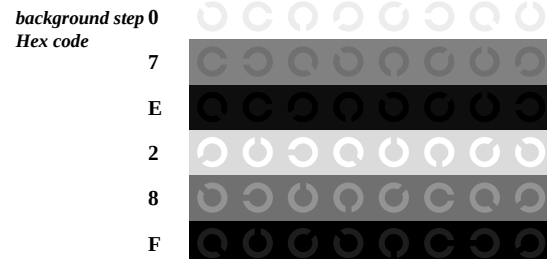


OE540-5N, Picture A2-101-0: 5 equidistant L^* -grey steps+ N_0 + W_1 ; PS operator: 0 0 0 n* setcmykcolor

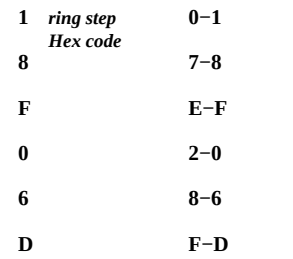


OE540-7N, Picture A3-101-0: 16 visual equidistant L^* -grey steps; PS operator: 0 0 0 n* setcmykcolor

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

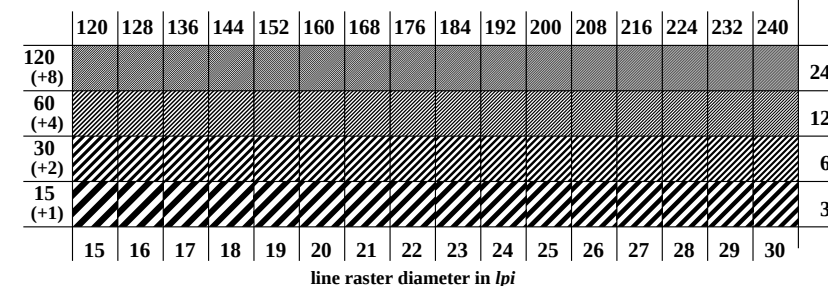


Landolt-rings W-N



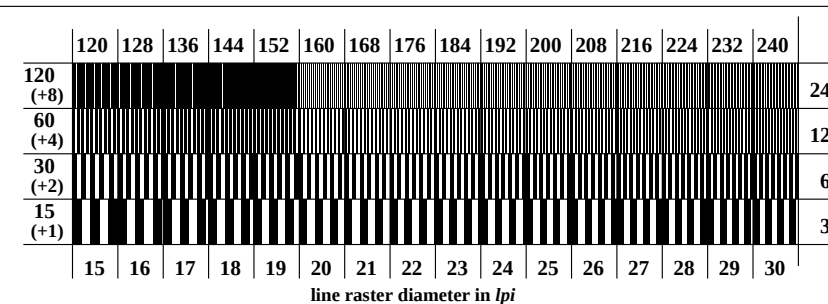
code: background-ring

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



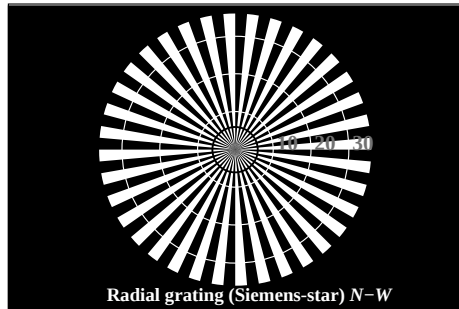
line raster diameter in lpi

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

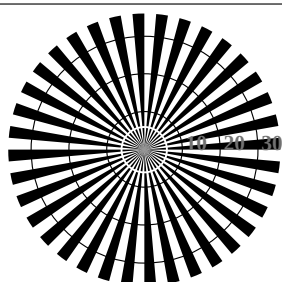
input: all (->rgb*_d) setrgbcolor
output 130-0: $g_P=1.0$; $g_N=1.08$

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

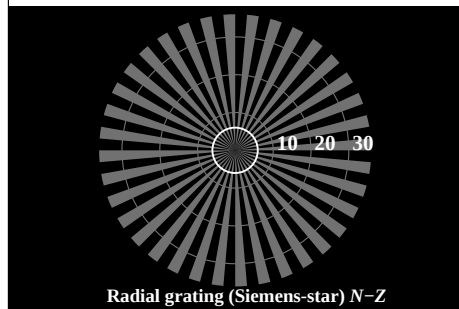
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



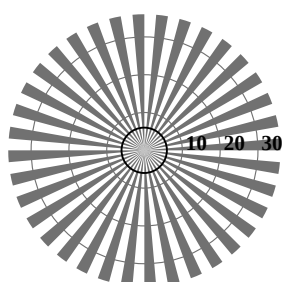
Radial grating (Siemens-star) N-W



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

$L^*/Y_{intended}$ (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.)
0 0 0 n* setcmyk $g_N=1.36$ 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	0.151	0.389	0.676	1.0		

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

$L^*/Y_{intended}$ (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
0 0 0 n* setcmyk $g_N=1.17$ 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	0.041	0.093	0.15	0.211	0.274	0.34	0.408	0.476	0.548	0.62	0.693	0.769	0.845	0.921	1.0

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

	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 A5-102-0: 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	

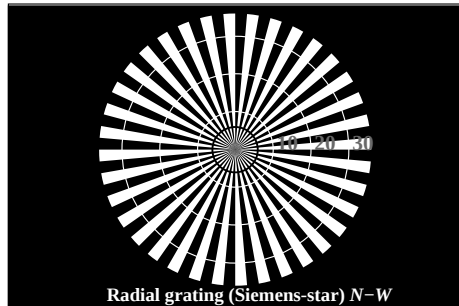
line raster diameter in lpi

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

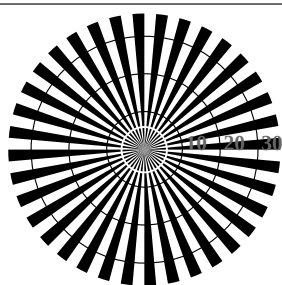
input: all (->rgb*d) setrgbcolor
output 130-0: $g_P=1.0$; $g_N=1.17$

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

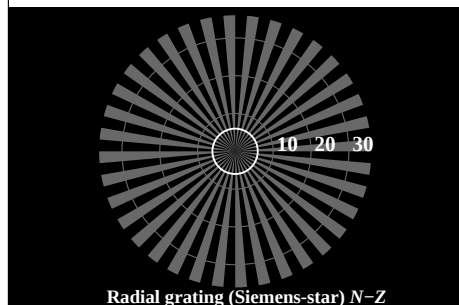
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



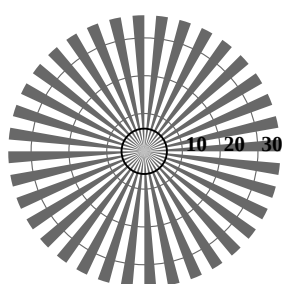
Radial grating (Siemens-star) N-W



Radial grating (Siemens-star) W-N

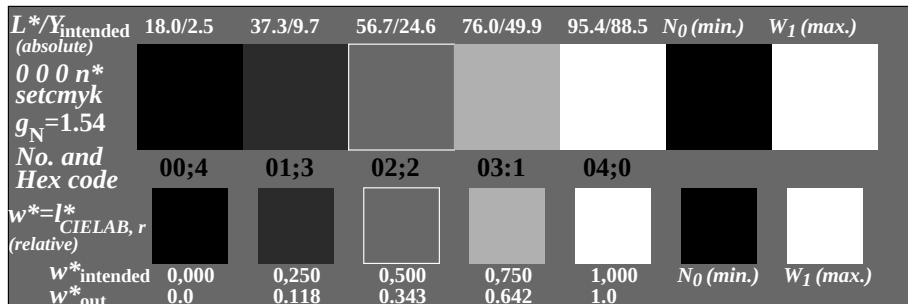


Radial grating (Siemens-star) N-Z

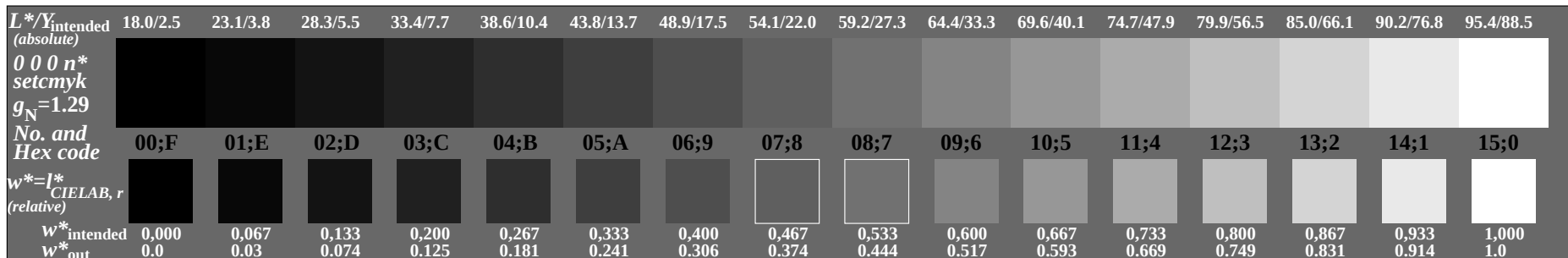


Radial grating (Siemens-star) W-Z

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

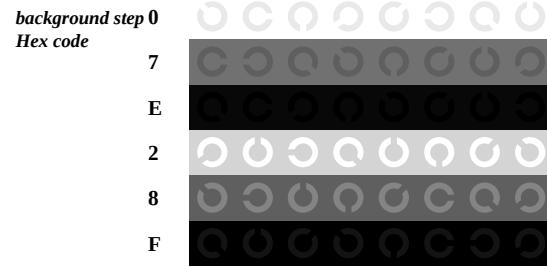


OE540-5N, Picture A2-103-0: 5 equidistant L^* -grey steps+ N_0 + W_1 ; PS operator: 0 0 0 n* setcmykcolor

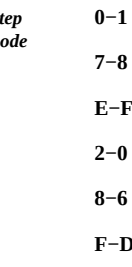


OE540-7N, Picture A3-103-0: 16 visual equidistant L^* -grey steps; PS operator: 0 0 0 n* setcmykcolor

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

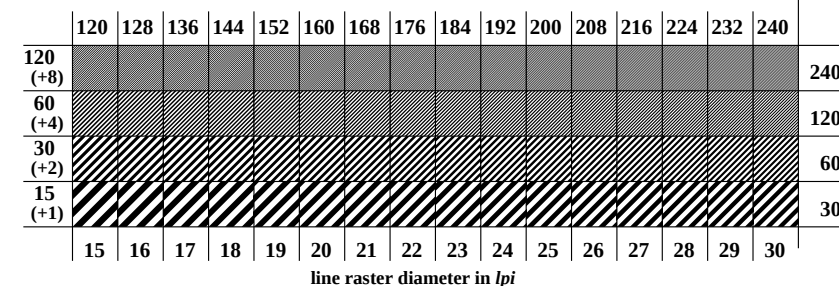


Landolt-rings W-N



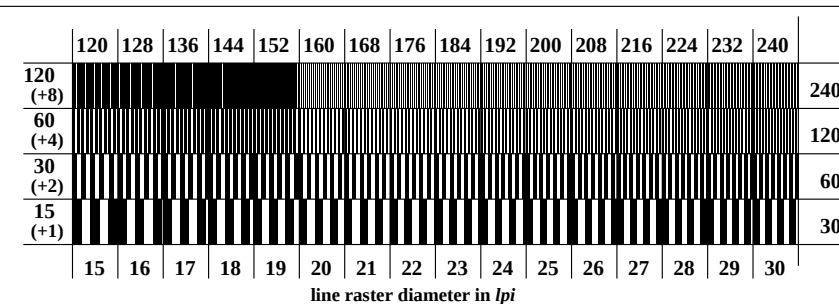
code: background-ring

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



line raster diameter in lpi

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



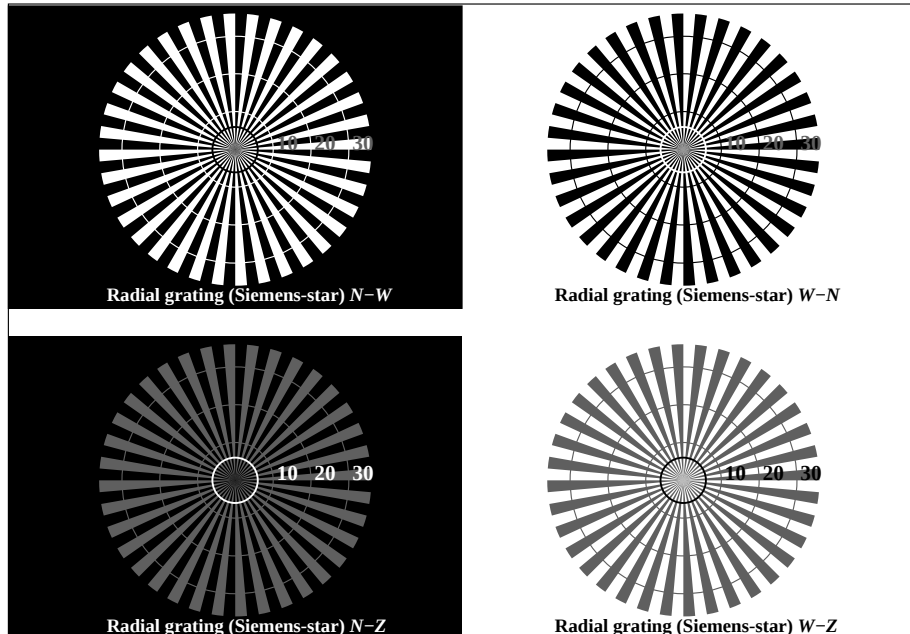
line raster diameter in lpi

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

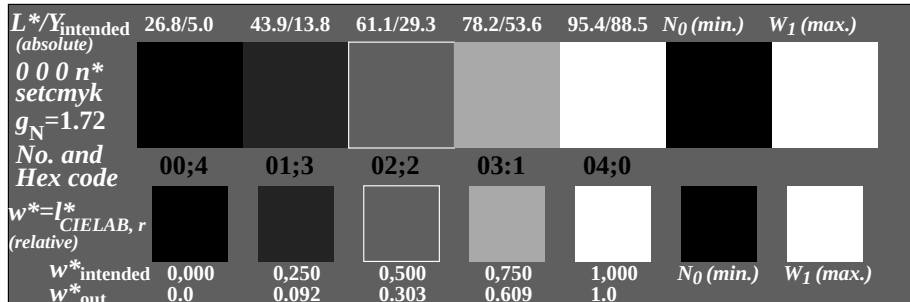
input: all (->rgb*_d) setrgbcolor
output 130-0: $g_P=1.0$; $g_N=1.29$

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

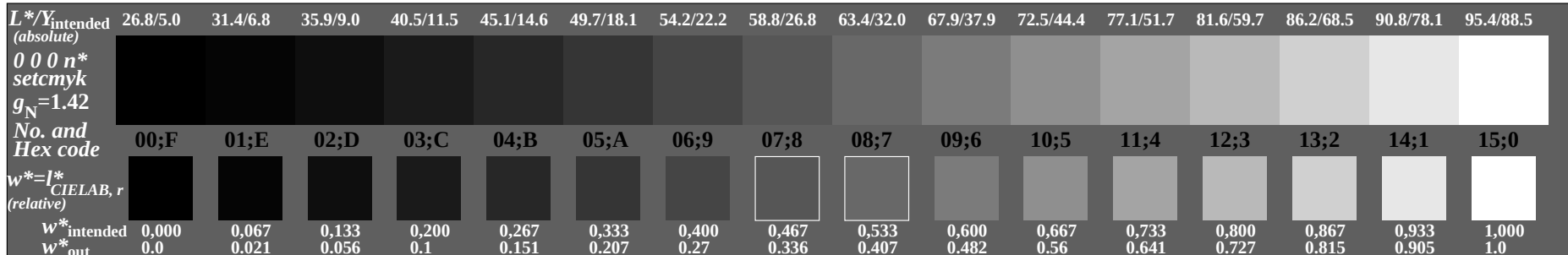
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



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



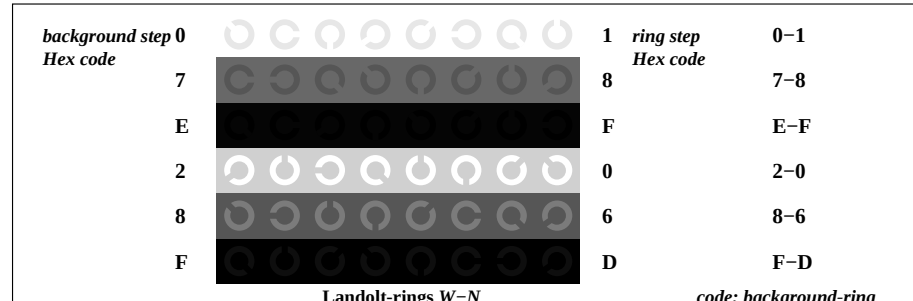
OE540-5N, Picture A2-104-0: 5 equidistant L^* -grey steps+ N_0 + W_1 ; PS operator: 0 0 0 n* setcmykcolor



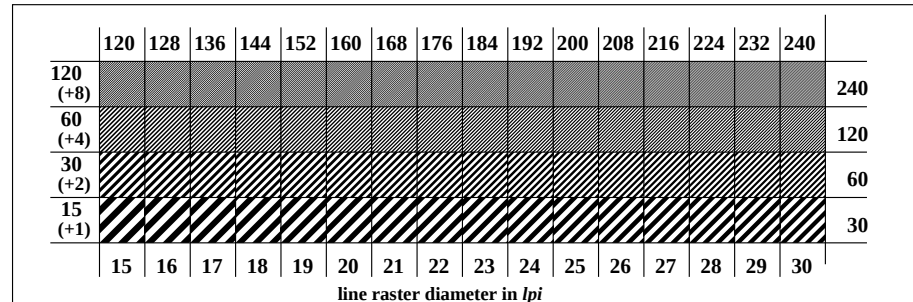
OE540-7N, Picture A3-104-0: 16 visual equidistant L^* -grey steps; PS operator: 0 0 0 n* setcmykcolor

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

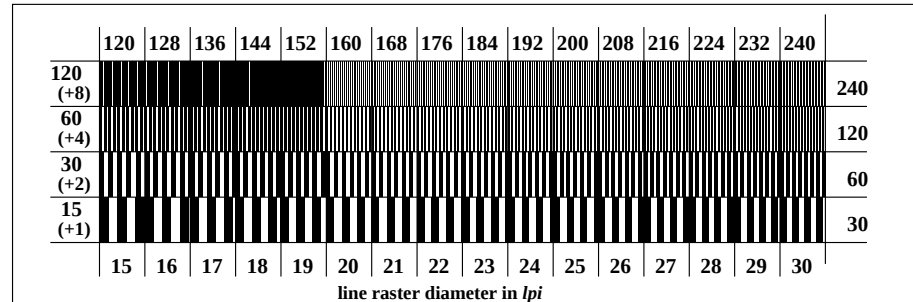
input: all ($\rightarrow rgb^*_d$) setrgbcolor
output 130-0: $g_P=1.0$; $g_N=1.42$



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



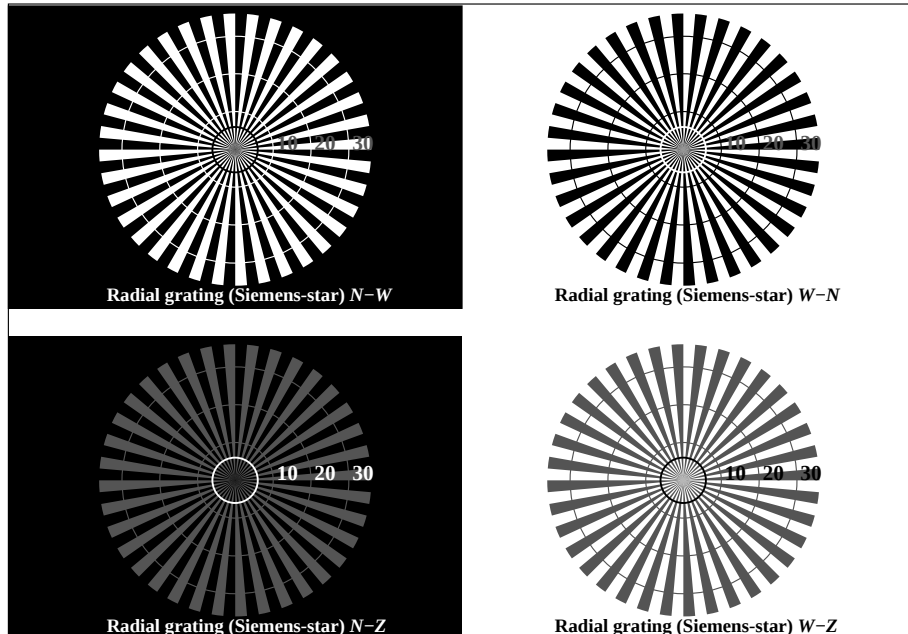
OE541-3N, Picture A5-104-0: Line raster under 45° (or 135°); PS operator: 0 0 0 n* setcmykcolor



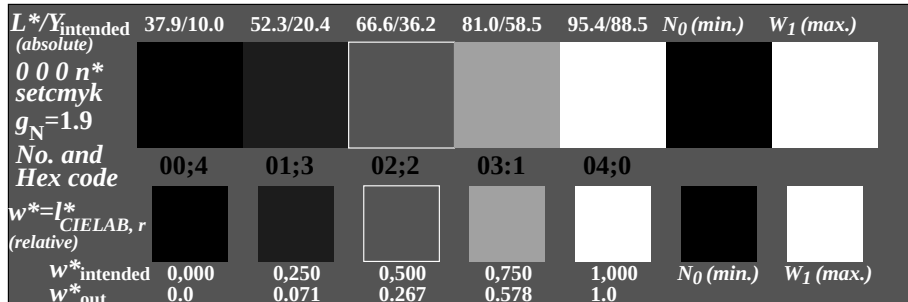
OE541-5N, Picture A6-104-0: Line raster under 90° (or 0°); PS operator: 0 0 0 n* setcmykcolor

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

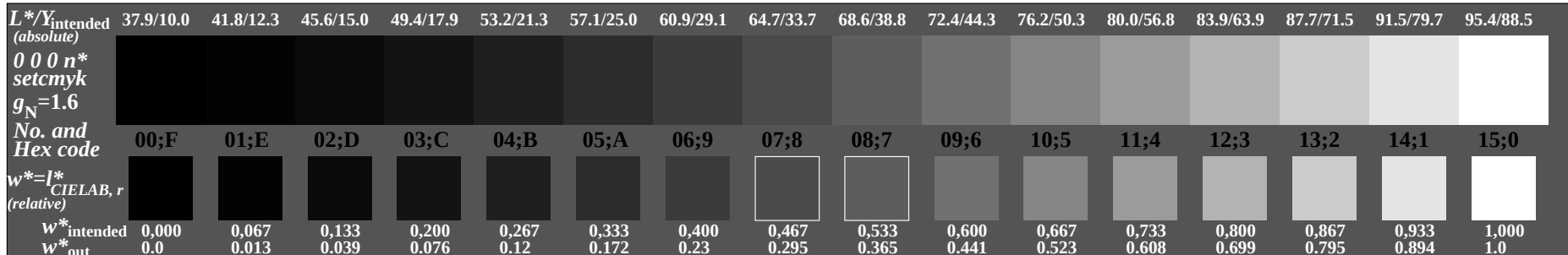
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



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

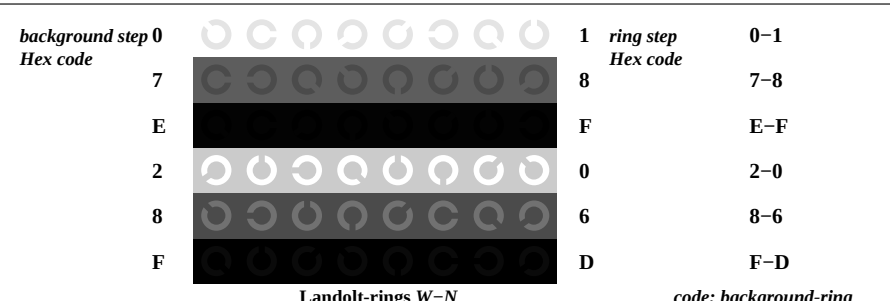


OE540-5N, Picture A2-105-0: 5 equidistant L*-grey steps+N0+W1; PS operator: 0 0 0 n* setcmykcolor

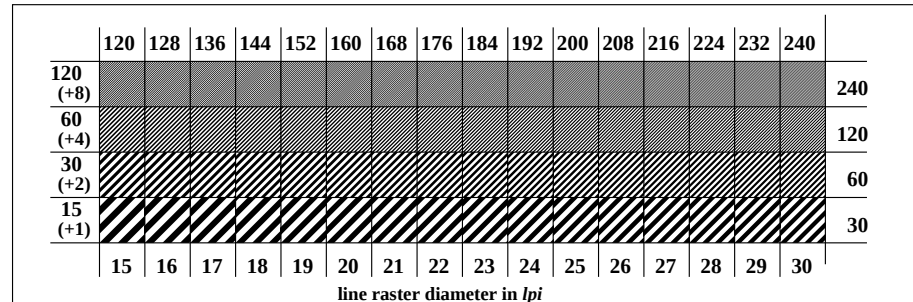


OE540-7N, Picture A3-105-0: 16 visual equidistant L*-grey steps; PS operator: 0 0 0 n* setcmykcolor

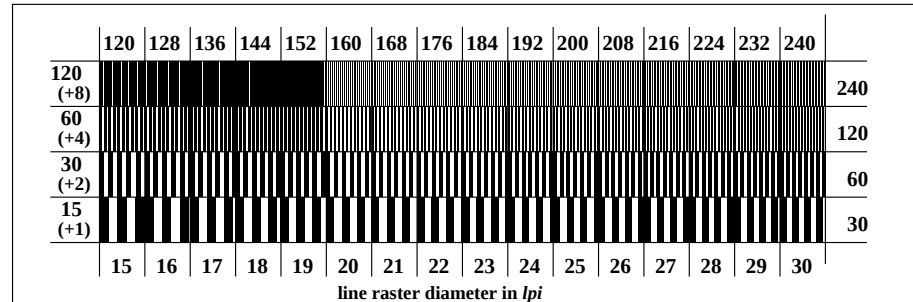
OE54: similar ME16 according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:10$; Y_N range 7,5 to <15



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



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

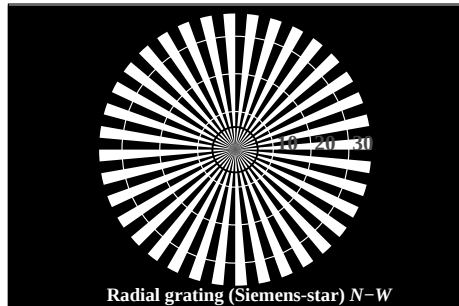


OE541-5N, Picture A6-105-0: Line raster under 90° (or 0°); PS operator: 0 0 0 n* setcmykcolor

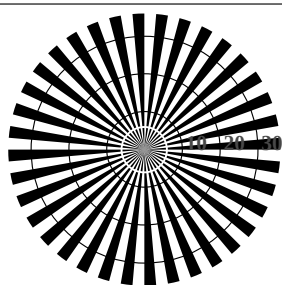
input: all (->rgb*_d) setrgbcolor
output 130-0: $g_P=1.0$; $g_N=1.6$

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

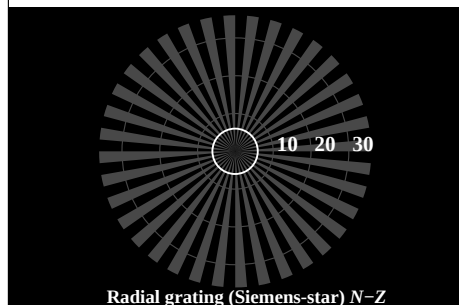
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



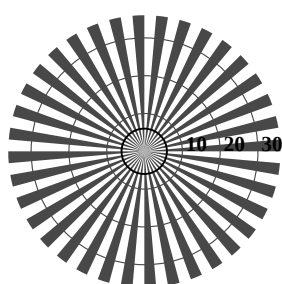
Radial grating (Siemens-star) N-W



Radial grating (Siemens-star) W-N



Radial grating (Siemens-star) N-Z



Radial grating (Siemens-star) W-Z

OE540-3N, Picture A1-106-0: 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 $g_N=2.08$ 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	0.055	0.236	0.549	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 $g_N=1.81$ No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	14;1	15;0
$w^*=l^*$ CIELAB, r (relative)																
$w^*_{intended}$	0,000	0,067	0,133	0,200	0,267	0,333	0,400	0,467	0,533	0,600	0,667	0,733	0,800	0,867	0,933	1,000
w^*_{out}	0.0	0.007	0.025	0.053	0.09	0.135	0.189	0.25	0.318	0.395	0.478	0.568	0.666	0.771	0.881	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	1	ring step	0-1
Hex code	Hex code	Hex code	Hex code
7	8	7-8	
E	F	E-F	
2	0	2-0	
8	6	8-6	
F	D	F-D	

Landolt-rings W-N

code: background-ring

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	

line raster diameter in lpi

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	

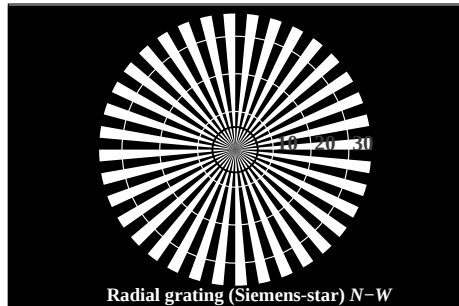
line raster diameter in lpi

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

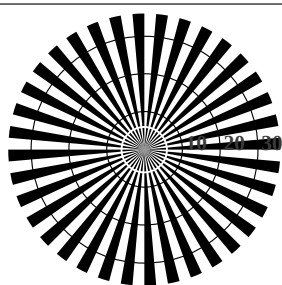
input: all (->rgb*_d) setrgbcolor
output 130-0: $g_P=1.0$; $g_N=1.81$

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

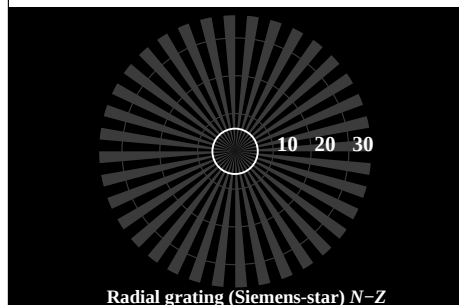
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/3387ZE> Version 2.1, io=1,1, CIELAB



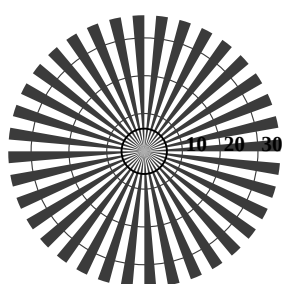
Radial grating (Siemens-star) N-W



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

$L^*/Y_{intended}$ (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.)
0 0 0 n* setcmyk $g_N=2.26$ No. and Hex code	00;4	01;3	02;2	03;1	04;0		
$w^*=l^*_{CIE\text{LAB},r}$ (relative)							
$w^*_{intended}$	0,000	0,250	0,500	0,750	1,000	N_0 (min.)	W_1 (max.)
w^*_{out}	0.0	0.043	0.208	0.521	1.0		

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

$L^*/Y_{intended}$ (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
0 0 0 n* setcmyk $g_N=2.1$ 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
$w^*=l^*_{CIE\text{LAB},r}$ (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	0.003	0.014	0.033	0.062	0.098	0.145	0.201	0.265	0.341	0.426	0.52	0.625	0.74	0.864	1.0

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

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

OE541-1N, Picture A4-107-0: 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 A5-107-0: 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 A6-107-0: Line raster under 90° (or 0°); PS operator: 0 0 0 n* setcmykcolor

input: all (->rgb*_d) setrgbcolor
output 130-0: $g_P=1.0$; $g_N=2.1$

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