www.ps.bam.de/OG10/10Q/Q10G00F1.PS/.TXT; Linearisierte-Ausgabe
F: Ausgabe-Linearisierung (OL-Daten) OG10/10Q/Q10G00F1.DAT in der Datei (F)

Siehe ähnliche Dateien: http://www.ps.bam.de/OG10/
Technische Information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

BAM-Registrierung: 20060101-OG10/10Q/Q10G00F1.PS/.TXT BAM-Material: Code~rhadta
Anwendung für Bureeluung und Messung von Drucker~ oder Monitorsystemen
OG10/F Form 100, Seite 1/1, Seite 1 Seitenbeleg 1

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 38/360 = 0.105$
*lab*tch* und *lab*nch*

D65: Buntton O
LCH*Ma: 48 83 38
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*

%Umfang
$u^*_{oci} = 93$
%Regularität
$g^*_{LuI} = 57$
$g^*_{CuI} = 59$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

relative **Inform. Technology (IT)**

*olv3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olv4**	1.0	1.0	1.0	(1.0)
*cmyn4**	0.0	0.0	0.0	–

***standard and adapted* CIELAB**

*L*LAB*	95.41	−0.98	4.75
*L*LABAo*	95.41	0.0	0.0
*L*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*rCe*	1.0	0.0	–
*lab*nCE*	0.0	0.0	–

relative **Inform. Technology (IT)**

*olv3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olv4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard and adapted* CIELAB**

*L*LAB*	56.71	−6.24	2.14
*L*LABAo*	56.71	0.0	0.0
*L*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*rCe*	0.5	0.0	–
*lab*nCE*	0.5	0.0	–

relative **Inform. Technology (IT)**

*olv3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olv4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard and adapted* CIELAB**

*L*LAB*	18.02	0.5	−0.47
*L*LABAo*	18.02	0.0	0.0
*L*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*rCe*	0.0	0.0	–
*lab*nCE*	1.0	0.0	–

relative **Inform. Technology (IT)**

*olv3**	1.0	0.5	0.5	(1.0)
*cmyn3**	0.0	0.5	0.5	(0.0)
*olv4**	1.0	0.5	0.5	1.0
*cmyn4**	0.0	0.5	0.5	0.0

***standard and adapted* CIELAB**

*L*LAB*	71.67	32.15	28.41
*L*LABAo*	71.67	32.69	25.25
*L*TCHa*	75.0	41.31	37.69

relative* CIELAB *lab*

*lab*lab*	0.693	0.396	0.306
*lab*tch*	0.75	0.5	0.105
*lab*nch*	0.25	0.5	0.105

***relative* Natural Colour (NC)**

*lab*lrj*	0.693	0.477	0.111
*lab*rCe*	0.75	0.5	0.048
*lab*nCE*	0.0	0.5	r19j

relative **Inform. Technology (IT)**

*olv3**	0.5	0.0	0.0	(1.0)
*cmyn3**	0.5	0.0	1.0	(0.0)
*olv4**	1.0	0.5	0.5	0.5
*cmyn4**	0.0	0.5	0.5	0.5

***standard and adapted* CIELAB**

*L*LAB*	32.98	32.9	25.8
*L*LABAo*	32.98	32.69	25.25
*L*TCHa*	25.01	41.31	37.69

relative* CIELAB *lab*

*lab*lab*	0.193	0.396	0.306
*lab*tch*	0.25	0.5	0.105
*lab*nch*	0.75	0.5	0.105

***relative* Natural Colour (NC)**

*lab*lrj*	0.193	0.477	0.15
*lab*rCe*	0.25	0.5	0.048
*lab*nCE*	0.5	0.5	r19j

relative **Inform. Technology (IT)**

*olv3**	1.0	0.5	0.5	(1.0)
*cmyn3**	0.0	0.5	0.5	(0.0)
*olv4**	1.0	0.5	0.5	1.0
*cmyn4**	0.0	0.5	0.5	0.0

***standard and adapted* CIELAB**

*L*LAB*	47.94	65.3	52.06
*L*LABAo*	47.94	65.37	50.51
*L*TCHa*	50.0	82.61	37.69

relative* CIELAB *lab*

*lab*lab*	0.387	0.791	0.611
*lab*tch*	0.5	1.0	0.105
*lab*nch*	0.0	1.0	0.105

***relative* Natural Colour (NC)**

*lab*lrj*	0.387	0.9554	0.299
*lab*rCe*	0.5	1.0	0.048
*lab*nCE*	0.0	1.0	r19j

Schwarzheit n^*

0,25 0,50 $n^* = 0,50$ 0,75 1,00 relative Buntheit c^*

$n^* = 0,00$

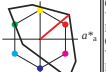
$n^* = 1,0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 40/360 = 0.111$
*lab*tch* und *lab*nch*

D65: Buntton O
LCH*Ma: 51 100 40
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang
$u^*_{oci} = 158$
%Regularität
$g^*_{LuI} = 20$
$g^*_{CuI} = 37$

TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

relative **Inform. Technology (IT)**

*olv3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olv4**	1.0	1.0	1.0	(1.0)
*cmyn4**	0.0	0.0	0.0	–

***standard and adapted* CIELAB**

*L*LAB*	95.41	0.0	0.0
*L*LABAo*	95.41	0.0	0.0
*L*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*rCe*	1.0	0.0	–
*lab*nCE*	0.0	0.0	–

relative **Inform. Technology (IT)**

*olv3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olv4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard and adapted* CIELAB**

*L*LAB*	47.72	0.0	0.0
*L*LABAo*	47.72	0.0	0.0
*L*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*rCe*	0.5	0.0	–
*lab*nCE*	0.5	0.0	–

relative **Inform. Technology (IT)**

*olv3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olv4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard and adapted* CIELAB**

*L*LAB*	0.03	0.0	0.0
*L*LABAo*	0.03	0.0	0.0
*L*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*rCe*	0.0	0.0	–
*lab*nCE*	1.0	0.0	–

relative **Inform. Technology (IT)**

*olv3**	1.0	0.5	0.5	(1.0)
*cmyn3**	0.0	0.5	0.5	(0.0)
*olv4**	1.0	0.5	0.5	1.0
*cmyn4**	0.0	0.5	0.5	0.0

***standard and adapted* CIELAB**

*L*LAB*	72.95	38.45	32.27
*L*LABAo*	72.95	38.45	32.27
*L*TCHa*	75.0	50.2	40.0

relative* CIELAB *lab*

*lab*lab*	0.765	0.383	0.321
*lab*tch*	0.75	0.5	0.111
*lab*nch*	0.25	0.5	0.111

***relative* Natural Colour (NC)**

*lab*lrj*	0.765	0.471	0.167
*lab*rCe*	0.75	0.5	0.054
*lab*nCE*	0.0	0.5	r21j

relative **Inform. Technology (IT)**

*olv3**	0.5	0.0	0.0	(1.0)
*cmyn3**	0.5	1.0	1.0	(0.0)
*olv4**	1.0	0.5	0.5	0.5
*cmyn4**	0.0	0.5	0.5	0.5

***standard and adapted* CIELAB**

*L*LAB*	25.26	38.45	32.27
*L*LABAo*	25.26	38.45	32.27
*L*TCHa*	25.01	50.2	40.0

relative* CIELAB *lab*

*lab*lab*	0.265	0.383	0.321
*lab*tch*	0.25	0.5	0.111
*lab*nch*	0.75	0.5	0.111

***relative* Natural Colour (NC)**

*lab*lrj*	0.265	0.471	0.167
*lab*rCe*	0.25	0.5	0.054
*lab*nCE*	0.5	0.5	r21j

relative **Inform. Technology (IT)**

*olv3**	1.0	1.0	0.0	(1.0)
*cmyn3**	0.0	0.0	1.0	(0.0)
*olv4**	1.0	1.0	0.0	1.0
*cmyn4**	0.0	0.0	1.0	0.0

***standard and adapted* CIELAB**

*L*LAB*	50.5	76.9	64.54
*L*LABAo*	50.5	76.9	64.54
*L*TCHa*	50.0	100.4	40.0

relative* CIELAB *lab*

*lab*lab*	0.529	0.766	0.643
*lab*tch*	0.5	1.0	0.111
*lab*nch*	0.0	1.0	0.111

***relative* Natural Colour (NC)**

*lab*lrj*	0.529	0.942	0.335
*lab*rCe*	0.5	1.0	0.054
*lab*nCE*	0.0	1.0	r21j

Schwarzheit n^*

0,25 0,50 $n^* = 0,50$ 0,75 1,00 relative Buntheit c^*

$n^* = 0,00$

$n^* = 1,0$

OG100–7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

3 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (rechts)

BAM-Prüfvorlage OG10; Farbmetrik-Systeme ORS18 & TLS00 input: *cmy0* setcmykcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Buttöne output: *cmy0* / 000n* setcmykcolor*