www.ps.bam.de/NG16/10S/S16G00F1.PS/.TXT; Linearisierte-Ausgabe
F: Ausgabe-Linearisierung (OL-Daten) NG16/10S/S16G00F1.DAT in der Datei (F)

Siehe ähnliche Dateien: http://www.ps.bam.de/NG16/
Technische Information: http://www.ps.bam.de Version 2.1, io=1.1, CIELAB

BAM-Registrierung: 20060101-NG16/10S/S16G00F1.PS/.TXT BAM-Material: Code~ihadta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 35/360 = 0.097$
lab*tch* und *lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*c_{rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.02	84.97	87.3	103
L_{Ma}	84.0	−78.98	73.94	108.2	137
C_{Ma}	87.14	−44.41	−13.11	46.32	196
V_{Ma}	35.47	64.92	−95.06	115.12	304
M_{Ma}	59.01	89.33	−55.67	105.26	328
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	58.74	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	(0.0)

***standard and adapted* CIELAB**

*LAB*LAB*	95.41	0.0	0.0	
*LAB*LAa*	95.41	0.0	0.0	
*LAB*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*rcc*	1.0	0.0		–
*lab*nrcE*	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**	0.5	0.5	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard and adapted* CIELAB**

*LAB*LAB*	56.72	0.0	0.0	
*LAB*LAa*	56.72	0.0	0.0	
*LAB*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*rcc*	0.5	0.0		–
*lab*nrcE*	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**

*LAB*LAB*	18.03	0.0	0.0	
*LAB*LAa*	18.03	0.0	0.0	
*LAB*TCHa*	0.01	0.01		–

relative* CIELAB *lab*

*lab*lab*	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*rcc*	0.0	0.0		–
*lab*nrcE*	0.0	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**

*LAB*LAB*	74.08	35.81	24.94	
*LAB*LAa*	74.08	35.81	24.94	
*LAB*TCHa*	75.0	43.63	34.85	

relative* CIELAB *lab*

*lab*lab*	0.724	0.41	0.286	
*lab*tch*	0.75	0.5	0.097	
*lab*nch*	0.75	0.5	0.097	

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

*lab*lrj*	0.724	0.488	0.109	
*lab*rcc*	0.75	0.5	0.035	
*lab*nrcE*	0.0	0.5	r14j	

***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**

*LAB*LAB*	35.39	35.81	24.94	
*LAB*LAa*	35.39	35.81	24.94	
*LAB*TCHa*	25.01	43.63	34.85	

relative* CIELAB *lab*

*lab*lab*	0.225	0.41	0.286	
*lab*tch*	0.25	0.5	0.097	
*lab*nch*	0.5	0.5	0.097	

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

*lab*lrj*	0.225	0.488	0.109	
*lab*rcc*	0.25	0.5	0.035	
*lab*nrcE*	0.5	0.5	r14j	

***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**

*LAB*LAB*	52.76	71.62	49.87	
*LAB*LAa*	52.76	71.62	49.87	
*LAB*TCHa*	50.0	87.27	34.85	

relative* CIELAB *lab*

*lab*lab*	0.449	0.82	0.571	
*lab*tch*	0.5	1.0	0.097	
*lab*nch*	0.0	1.0	0.097	

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

*lab*lrj*	0.449	0.976	0.218	
*lab*rcc*	0.5	1.0	0.035	
*lab*nrcE*	0.0	1.0	r14j	

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

Ausgabe: 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
$u^*_{rel} = 93$
%Regularität
$g^*_{H,rel} = 57$
$g^*c_{rel} = 59$

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	−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	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**

*LAB*LAB*	95.41	−0.98	4.75	
*LAB*LAa*	95.41	0.0	0.0	
*LAB*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*rcc*	1.0	0.0		–
*lab*nrcE*	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**	0.5	1.0	0.5	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard and adapted* CIELAB**

*LAB*LAB*	56.71	0.24	2.14	
*LAB*LAa*	56.71	0.0	0.0	
*LAB*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*rcc*	0.5	0.0		–
*lab*nrcE*	0.5	0.0		–

***relative* Inform. Technology (IT)**

*olv3**	1.0	1.0	1.0	(0.0)
*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**

*LAB*LAB*	18.02	0.5	−0.47	
*LAB*LAa*	18.02	0.0	0.0	
*LAB*TCHa*	0.01	0.01		–

relative* CIELAB *lab*

*lab*lab*	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*rcc*	0.0	0.0		–
*lab*nrcE*	0.0	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**

*LAB*LAB*	47.94	65.3	52.06	
*LAB*LAa*	47.94	65.37	50.51	
*LAB*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	0.954	0.299	
*lab*rcc*	0.5	1.0	0.048	
*lab*nrcE*	0.0	1.0	r19j	

***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**

*LAB*LAB*	32.98	32.9	25.8	
*LAB*LAa*	32.98	32.69	25.25	
*LAB*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*	0.25	0.5	0.105	

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

*lab*lrj*	0.193	0.477	0.15	
*lab*rcc*	0.25	0.5	0.048	
*lab*nrcE*	0.5	0.5	r19j	

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

NG160−7, 3 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links) 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

BAM-Prüfvorlage NG16; Farbmetrik-Systeme TLS18 & ORS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Buntẗone output: *olv* setrgbcolor / w* setgray*

NG16, Form 100, Seite 11, Seite 1 Seitenbeitrag 1