

http://130.149.60.45/~farbmatrik/VE00/VE00L0NP.PDF /.PS; start output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/1

technical information: <http://www.ps.bam.de> or <http://130.149.60.45/HIM>

application for measurement of display output

ETPD 44

D65	Range	X	Y	Z	x	y	z	L*	a*	b*		
R_m	565	770	6178	410	0.05	0.6007	0.3897	0.0005	70.18	61.63	120.2	
Y_m	495	770	7709	938	6.13	0.0354	0.5298	0.0364	97.35	-23.15	119.05	
Z_m	380	565	2369	615	0.98	0.2176	0.5987	0.1835	84.48	-118.93	89.74	
C_m	485	565	3326	5899	108.83	0.1564	0.2933	0.5142	81.29	-66.96	-32.22	
M_m	485	565	1795	619	102.75	0.1414	0.0897	0.2891	89.01	89.01	-117.0	
B_m	575	475	7134	489	0.3857	0.1784	0.4557	0.55	102.7	-46.6	120.2	
G_m	565	495	531	5279	6.08	0.2063	0.7116	0.0189	77.76	-73.22	85.16	
W_1	565	495	7973	472	102.8	0.347	0.2054	0.4744	74.32	82.25	-40.47	
W_2	380	770	9504	1000	108.89	0.3127	0.329	0.3582	100.0	0.0	0.0	
D65	Range	X_{90}	Y_{90}	Z_{90}	x	y	z	L* ₉₀	a* ₉₀	b* ₉₀		
R_m	565	770	5556	369	0.05	0.6007	0.3897	0.0005	67.21	59.51	115.16	
Y_m	495	770	6938	8442	5.62	0.0354	0.5298	0.0364	93.63	-22.35	114.94	
Z_m	380	565	2175	6152	17.99	0.2176	0.5987	0.1835	81.14	-114.73	87.57	
C_m	380	565	2993	5309	97.95	0.1564	0.2933	0.5142	77.93	-64.65	-31.11	
B_m	380	495	1615	5157	92.47	0.1414	0.0897	0.2893	88.53	89.53	-112.96	
M_m	485	575	6421	3123	80.01	0.2063	0.1784	0.4557	62.78	99.51	-44.64	
G_m	565	495	565	1378	47.51	0.547	0.2663	0.7116	0.0189	74.52	-127.46	82.21
W_1	565	495	7175	4248	92.52	0.347	0.2054	0.4744	71.2	79.41	-39.08	
W_2	380	770	8553	900	98.0	0.3127	0.329	0.3582	96.0	0.0	0.0	

D50	Range	X	Y	Z	x	y	z	L*	a*	b*	
Y_{in}	565	770	68.07	44.27	0.05	0.0055	0.3938	0.0005	72.41	64.12	123.
Y_{out}	565	770	83.15	94.96	5.54	0.4527	0.517	0.0301	98.02	-15.53	115.
Y_{in}	475	575	23.37	62.68	17.06	0.2266	0.0678	0.1654	83.28	-116.13	52.8
C_{in}	380	565	28.35	55.27	82.43	0.1702	0.3346	0.495	79.46	-78.96	-35.
D_{in}	380	565	132.6	30.3	76.95	0.1392	0.0528	0.8078	26.85	73.84	-121.
M_{in}	575	475	73.84	37.7	65.43	0.4155	0.2122	0.3722	67.71	-92.53	78.4
C_{out}	380	565	15.08	60.69	62.11	0.1136	0.1713	0.0769	76.56	-129.23	78.4
M_{out}	565	495	83.3	49.3	77.01	0.3916	0.2734	0.3708	75.64	77.41	-37.
W_1	380	770	96.42	100.0	82.49	0.3457	0.3585	0.2957	100.0	0.0	0.0
D50	Range	X ₂₀	Y ₂₀	Z ₂₀	x	y	z	L* ₂₀	a* ₂₀	b* ₂₀	
Y_{in}	565	770	61.26	39.84	0.05	0.0055	0.3938	0.0005	69.36	69.19	118.
Y_{out}	565	770	74.84	85.47	4.98	0.4527	0.517	0.0301	94.08	-15.0	111.
Y_{in}	475	575	21.03	56.41	15.35	0.2266	0.0678	0.1654	79.95	-112.12	51.0
C_{in}	380	565	25.51	50.15	74.19	0.1702	0.3346	0.495	76.16	-76.23	-34.
C_{out}	380	565	11.93	45.2	69.26	0.1392	0.0528	0.8078	25.75	70.92	-117.
M_{in}	575	475	65.74	33.58	58.89	0.4155	0.2122	0.3722	64.63	92.51	-39.4
G_{in}	565	575	135.57	45.62	49.43	0.1216	0.1713	0.0769	73.3	-124.76	75.75
M_{out}	565	495	73.2	44.37	69.31	0.3916	0.2734	0.3708	72.48	74.74	-36.
W_1	380	770	86.78	90.0	74.24	0.3457	0.3585	0.2957	96.0	0.0	0.0

	D65	Range	X ₁₀	X ₁₀	Z ₁₀	X ₁₀	Y ₁₀	z
R _{m,95}	565	770	58.96	38.15	0.0	0.6071	0.3928	0
Y _{m,95}	495	770	76.87	89.06	4.2	0.4518	0.5234	0.01
C _{m,95}	475	575	26.21	64.6	16.02	0.2453	0.6046	0.06
C _{m,90}	380	565	35.65	61.84	107.33	0.1748	0.3016	0.01
B _{m,90}	380	495	17.91	59.93	103.13	0.1359	0.0828	0.01
M _{m,90}	575	475	68.6	75.39	91.31	0.3512	0.1812	0.02
C ₉₀	495	565	17.91	50.91	4.2	0.2452	0.6971	0.0
M ₉₀	565	495	74.81	49.08	103.13	0.3356	0.2142	0.02
W _{1,90}	380	770	96.49	100.73	33.33	0.3137	0.3309	0.01
	D65	Range	X ₁₀	Y _{10,95}	Z _{10,95}	X _{10,95}	Y _{10,95}	z
R _{m,95,95}	565	770	53.06	34.33	0.0	0.6071	0.3928	0
Y _{m,95,95}	495	770	69.18	80.15	3.78	0.4518	0.5234	0.0
C _{m,95,95}	475	575	23.59	58.14	14.42	0.2453	0.6046	0.06
C _{m,90,95}	380	565	32.26	55.66	96.6	0.1748	0.3016	0.01
B _{m,90,95}	380	495	16.14	9.84	92.81	0.1359	0.0828	0.01
M _{m,90,95}	575	475	61.74	31.85	82.18	0.3512	0.1812	0.02
C _{90,95}	495	565	16.12	45.82	3.78	0.2452	0.6971	0.0
M _{90,95}	565	495	69.21	44.17	92.81	0.3356	0.2142	0.02
W _{1,90,95}	380	770	85.33	90.0	96.6	0.3137	0.3309	0.01

L ^a ₁₀	a ^a ₁₀	b ^a ₁₀	D50	Range	X ₁₀	Z ₁₀	x ₁₀	y ₁₀
68.13	64.13	114.43	R _m	565.70	65.66	41.75	0.0	0.611
94.7	95.61	-14.83	R _m	495.70	70.83	91.31	3.82	0.467
108.4	108.28	-106.65	C _m	495.75	26.21	62.45	13.78	0.528
84.3	82.83	-64.42	-29.59	C _m	380.55	31.11	58.24	11.81
112.2	39.48	47.9	-101.69	B _m	380.49	13.29	81.89	77.58
77.5	66.05	98.18	-48.03	P _m	475.475	70.51	37.54	67.32
112.3	96.73	-112.33	91.72	C _m	380.55	31.11	58.24	11.81
60.1	75.51	71.87	-39.58	W ₁	565.495	79.8	50.64	77.58
152	100.0	0.0	0.0	C _m	380.55	31.11	58.24	11.81
65.23	61.91	112.40	D50	Range	X ₁₀₀	Z ₁₀₀	x ₁₀₀	y ₁₀₀
65.23	61.91	112.40	R _m	565.70	59.04	37.57	0.0	0.611
94.7	91.76	-14.32	120.15	C _m	495.70	77.58	81.89	3.82
109.9	80.82	-102.62	64.48	Y _m	495.75	23.59	56.21	12.4
134.2	79.42	-62.2	-28.57	B _m	380.565	28.0	52.42	73.27
112.2	37.57	46.28	-98.18	C _m	380.495	11.96	8.0	69.82
117.5	63.22	91.89	-46.37	M _m	575.475	63.46	33.78	60.86
77.5	73.43	-108.45	88.56	G _m	495.565	16.04	44.41	60.86
101.1	72.35	69.39	-38.21	D50	565.495	71.01	45.58	69.82
152	90.0	0.0	0.0	W ₁₀₀	565.495	77.80	87.09	73.27

λ_{10}	L^*_{10}	a^*_{10}	b^*_{10}
0.0	70.7	65.59	121.9
0.0214	96.45	-8.75	122.65
0.1345	83.16	-103.82	60.29
0.1476	80.88	-74.4	-32.96
0.1775	35.8	34.81	-107.5
0.3849	67.68	89.29	-43.72
0.0539	75.67	-110.57	85.82
0.0353	76.47	68.61	-37.38
0.2927	100.0	0.0	0.0
λ_{10}	$L^*_{10, 20}$	$a^*_{10, 20}$	$b^*_{10, 20}$
0.0	67.71	63.33	116.75
0.0214	92.57	-8.45	117.45
0.1345	79.74	-100.23	58.21
0.1476	77.53	-72.36	-31.83
0.1775	34.01	33.61	-103.79
0.3849	64.8	86.21	-42.21
0.0539	72.51	-106.75	82.86
0.0353	73.28	66.24	-36.09
0.2927	96.0	0.0	0.0

PAD	Range	X ₀	Y ₀	Z ₀	σ_{X}	σ_{Y}	σ_{Z}	L*	a*	b*
Y _m	565.770	76.14	47.9	0.06	0.6091	0.3903	0.0005	75.53	61.53	128.33
X _m	495.770	90.61	95.59	4.86	0.7432	0.5013	0.0254	98.43	-10.88	112.84
C _m	475.575	20.21	48.79	0.19	0.1399	0.615	0.1469	81.29	-14.77	43.77
C _m	380.265	24.24	51.2	64.62	0.1762	0.364	0.4595	76.68	81.48	123.05
C _m	380.265	52.31	44.1	59.82	0.2379	0.504	0.8068	71.7	62.64	-126.38
M _m	475.575	78.1	40.9	50.58	0.4062	0.2416	0.2981	70.18	87.59	-35.68
M _m	595.565	14.47	47.2	4.8	0.2177	0.71	0.7272	74.32	-127.55	75.61
W ₁	595.495	86.45	52.79	58.98	0.3434	0.2651	0.3007	77.75	70.73	-33.27
M ₀	380.770	100.93	100.0	64.68	0.7399	0.7364	0.2435	100.0	0.0	0.0
PAD	Range	X ₀	Y ₀	Z ₀	σ_{X}	σ_{Y}	σ_{Z}	L*	a*	b*
X _m	565.770	68.52	43.91	0.05	0.6091	0.3903	0.0005	72.17	59.4	123.05
Y _m	495.770	81.55	86.39	4.37	0.7432	0.5013	0.0254	94.48	-10.5	108.94
C _m	475.575	20.54	33.1	12.69	0.2379	0.615	0.1469	79.14	-10.74	47.53
C _m	380.265	22.31	46.08	58.12	0.1762	0.364	0.4595	73.6	-83.88	-38.58
C _m	380.265	9.28	36	53.84	0.1391	0.504	0.8068	22.35	64.07	-122.01
M _m	475.575	70.29	36.89	45.52	0.4062	0.2416	0.2981	72.2	84.56	-34.44
G ₀	595.565	13.02	42.48	4.32	0.2177	0.71	0.7272	72.1	-123.15	69.17
M ₀	565.495	77.81	47.51	53.9	0.3434	0.2651	0.3007	74.52	68.29	-32.12
W ₁	380.770	90.83	90.0	58.22	0.7399	0.7364	0.2435	90.0	0.0	0.0

A00	Range	X	Y	Z	α	β	γ	L*	a*	b*
R _m	565, 770	91.049	56.18	0.06	0.6182	0.3813	0.0004	79.72	5.75	134.
Y _m	495, 770	104.55	97.5	3.7	0.5079	0.4739	0.0101	99.03	40.15	104.
Z _m	475, 575	21.59	52.43	9.66	0.2579	0.6265	0.1514	77.54	-112.46	37.7
C _m	380, 565	18.75	48.11	35.51	0.1912	0.4466	0.3024	72.11	-102.33	43.7
R _m	380, 565	3.34	2.49	31.87	0.1456	0.0837	0.0026	17.36	36.4	-23.
M _m	575, 475	68.25	45.76	25.92	0.4546	0.294	0.1602	74.55	74.8	-23.
C _m	495, 565	13.41	41.32	3.63	0.2297	0.7078	0.0623	70.4	-124.31	55.8
M _m	565, 495	96.45	83.67	19.14	0.5155	0.3136	0.1707	81.12	60.15	-25.
W ₁	380, 770	109.84	99.99	35.58	0.4475	0.4074	0.1449	100.0	0.0	0.0
A00	Range	X ₀	Y ₀	Z ₀	α	β	γ	L* ₀	a* ₀	b* ₀
R _m	565, 770	81.98	50.56	0.06	0.6182	0.3813	0.0004	76.42	55.18	129.
Y _m	495, 770	94.05	87.75	3.33	0.5079	0.4739	0.0101	95.06	-3.91	100.
Z _m	475, 575	19.45	47.19	8.69	0.2579	0.6265	0.1514	74.32	-108.58	30.6
C _m	380, 565	16.88	39.43	31.96	0.1912	0.4466	0.3026	69.07	-98.79	-46.
R _m	380, 495	4.81	2.24	28.68	0.1456	0.0827	0.0026	16.75	35.14	-129.
C _m	475, 575	79.43	42.8	23.32	0.4546	0.294	0.1602	71.42	119.05	23.
G ₀	595, 565	12.07	37.18	3.27	0.2297	0.7078	0.0623	67.42	-120.22	53.5
M ₀	565, 495	98.79	82.81	28.74	0.5155	0.3136	0.1707	77.76	58.07	-24.
W ₁	380, 770	98.86	89.99	32.02	0.4475	0.4074	0.1449	96.0	0.0	0.0

	P40	Range	X ₁₀	Y ₁₀	Z ₁₀	X ₁₀	Y ₁₀	Z ₁₀
R _m	565	770	74.04	46.55	0.0	0.614	0.3859	0.0
Y _m	495	770	70.12	92.87	3.37	0.4867	0.4952	0.0
C _m	475	575	25.85	59.01	11.45	0.2684	0.6126	0.0
C _m	380	565	27	53.44	64.44	0.1902	0.367	0.0
C _m	380	495	10.47	7.12	61.06	0.1331	0.0905	0.0
M _g	575	475	75.89	40.98	52.99	0.4467	0.2412	0.0
G ₉₆	495	565	17.23	46.32	3.37	0.2574	0.692	0.0
M _g	565	495	84.52	53.67	61.06	0.4241	0.2693	0.0
W ₁	380	770	101.75	100.0	64.44	0.3822	0.3756	0.0
	P40	Range	X ₁₀	Y ₁₀	Z ₁₀	X ₁₀	Y ₁₀	Z ₁₀
R _m	565	770	66.64	41.89	0.0	0.614	0.3859	0.0
Y _m	495	770	82.15	83.58	3.04	0.4867	0.4952	0.0
C _m	475	575	23.26	53.11	10.3	0.2684	0.6126	0.0
C _m	380	565	24.93	48.1	58.0	0.1902	0.367	0.0
C _m	380	495	6.42	6.41	54.96	0.1331	0.0905	0.0
M _g	575	475	68.3	36.88	47.69	0.4467	0.2412	0.0
G ₉₆	495	565	15.5	41.69	3.04	0.2574	0.692	0.0
M _g	565	495	76.06	48.3	54.96	0.4241	0.2693	0.0
W ₁	380	770	91.57	90.0	58.0	0.3822	0.3756	0.0

Range 20-23							
L ^a *10	a ^b *10	b ^a *10					
73.9	62.22	127.42					
8	97.18	-5.6	120.22				
8	98.1	-81.03	85.59				
26	78.14	-81.03	-37.68				
26	78.14	31.27	27.0				
19	70.17	82.2	-38.8				
44	73.76	-110.22	79.85				
64	78.27	63.5	-33.89				
121	100.0	0.0	0.0				
	L ^a *10, a ^b *10, b ^a *10						
70	70.8	60.7	122.07				
8	93.27	-5.41	116.07				
89	77.94	-99.13	53.38				
26	74.89	-78.87	-36.38				
62	30.45	26.07	109.57				
19	67.2	79.2	37.46				
44	70.66	-106.41	70.49				
64	75.02	61.46	-32.72				
121	96.0	0.0	-4.75				
A00	Range	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	z ₁₀
R _m	565	770	8859	5459	0	0.8213	0.768
G _m	495	750	105.72	95.27	2.58	0.0183	0.468
C _m	475	575	2483	5266	789	0.2908	0.610
G _m	380	565	2155	4442	361	0.21	0.444
P _m	380	495	54.3	42	32.61	0.1276	0.104
B _m	380	475	86.31	47.3	27.3	0.562	0.294
G _m	495	565	1613	4097	258	0.2702	0.686
G _m	495	565	95.01	59.02	32.61	0.59	0.316
M ₁	380	770	111.55	115.99	3519	0.4511	0.405
A00	Range	X ₁₀₀	Y ₁₀₀	Z ₁₀₀	x ₁₀₀	y ₁₀₀	z ₁₀₀
R _m	565	770	80.63	49.13	0	0.6213	0.378
G _m	495	770	95.15	86.01	2.3	0.1898	0.468
Y _m	495	775	22.35	47.37	21.3	0.5015	0.616
C _m	380	565	19.4	40.86	31.67	0.211	0.444
B _m	380	495	4.87	39.36	21.34	0.1276	0.104
G _m	575	475	77.68	42.6	24.57	0.362	0.294
G _m	495	565	14.52	36.87	23.3	0.2702	0.686
G _m	565	495	85.51	53.92	39.67	0.59	0.316
W ₁₀₀	380	770	100.03	89.19	21.34	0.4511	0.405

z_{10}	L^*_{10}	a^*_{10}	b^*_{10}
0.0	78.81	56.65	135.88
0.0126	98.26	-0.78	113.17
0.0924	77.68	-100.33	39.98
0.3445	73.16	-94.83	-46.28
0.7681	25.05	5.84	-124.19
0.1696	74.41	69.89	-27.89
0.3443	70.16	105.65	68.72
0.1747	81.3	55.1	-27.2
0.1428	100.0	0.0	0.0
$z_{10,90}$	$L^*_{10,90}$	$a^*_{10,90}$	$b^*_{10,90}$
0.0	75.54	54.69	130.24
0.0126	94.32	-0.75	109.26
0.0924	74.44	-96.87	38.6
0.3445	70.08	-91.56	-44.68
0.7681	23.64	5.64	-119.9
0.1696	71.19	64.48	-26.92
0.3443	67.19	104.8	62.49
0.1747	77.95	53.2	-26.26
0.1428	96.0	0.0	0.0

E00	Range	X ₀₀	Y	Z	x	y	z	L ^a *	a ^b *	b ^b *	
Y _m	565	770	46.62	4.64	0.5	0.6055	0.3939	0.0005	72.66	58.8	124.34
Y _m	475	750	83.34	9.54	0.6	0.4243	0.5151	0.0037	97.85	20.1	19.57
Y _m	475	757	23.08	0.207	17.72	0.2453	0.6033	0.1722	89.29	119.58	78.24
C _m	380	565	31.37	55.35	99.94	0.168	0.2965	0.5353	79.25	-70.77	-35.73
C _m	380	495	16.65	5.4	94.36	0.1429	0.0468	0.8011	28.02	85.37	120.26
M ₀	575	475	76.91	37.92	82.27	0.3092	0.1924	0.4173	67.97	96.17	-42.62
G ₀	495	565	147.2	4.9	57.52	0.2997	0.7108	0.0794	76.01	-132.53	82.18
M ₀	565	495	85.27	50.09	94.42	0.3731	0.218	0.4108	76.13	77.02	-37.36
W ₁	380	770	100.0	10.0	10.0	0.3333	0.3333	0.3333	100.0	0.0	0.0
E00	Range	X ₀₀	Y	Z	x	y	z	L ^a *	a ^b *	b ^b *	
Y _m	565	770	61.76	40.17	0.5	0.6055	0.3939	0.0005	69.6	56.84	119.16
Y _m	475	750	75.01	85.08	5.07	0.4243	0.5151	0.0307	93.92	-14.9	115.44
Y _m	475	757	20.77	55.86	15.95	0.2453	0.6033	0.1722	79.54	-115.64	56.23
C _m	380	565	28.82	89.22	89.94	0.168	0.2965	0.5353	75.96	-68.33	-34.5
C _m	380	495	14.98	4.91	84.92	0.1429	0.0468	0.8011	25.51	82.41	-116.1
M ₀	575	475	69.22	34.13	74.04	0.3092	0.1924	0.4173	67.03	92.85	-41.15
G ₀	495	565	13.25	44.91	5.01	0.2997	0.7108	0.0794	74.83	-127.95	79.34
M ₀	565	495	76.75	45.08	84.98	0.3731	0.218	0.4108	72.95	74.34	-36.07
W ₁	380	770	90.0	90.0	90.0	0.3333	0.3333	0.3333	96.0	0.0	0.0

C00	Range	X	Y	Z	x	y	z	χ^2	σ^2	σ^2_{err}	σ^2_{b0}
R_{in}	565	770	63.3	41.99	0.05	0.6001	0.3993	0.0005	6.87	57.23	1.21
Y_{in}	475	575	78.39	93.33	0.61	0.441	0.525	0.0303	93.76	45.9	12.1
Z_{in}	565	770	63.3	41.99	0.05	0.6001	0.3993	0.0005	6.87	57.23	1.21
C_{in}	380	565	34.96	58.0	118.16	0.1656	0.274	0.5596	80.74	-62.43	-33
B_{in}	380	565	19.67	6.66	112.2	0.142	0.0481	0.8098	31.05	89.91	-11
M_{in}	565	475	73.94	35.53	97.31	0.3575	0.1718	0.4705	66.17	100.92	45
W_1	595	565	125.9	51.34	5.95	0.106	0.7072	0.082	76.89	-131.21	86.2
C_{in}	380	565	48.75	82.66	112.26	0.3396	0.1996	0.4606	75.24	79.25	-39
W_1	380	770	98.07	100.0	118.22	0.31	0.3161	0.3377	100.0	0.0	0.0
C00	Range	X	Y	Z	z_{00}	x	y	z	χ^2	σ^2_{err}	σ^2_{b0}
R_{in}	565	770	56.79	37.79	0.05	0.6001	0.3993	0.0005	6.87	55.21	1.16
Y_{in}	475	570	70.55	84.0	5.41	0.441	0.525	0.0303	93.45	-23.74	17.1
Z_{in}	475	575	21.7	58.01	18.81	0.2203	0.5887	0.1909	80.73	115.43	58.4
C_{in}	380	565	34.17	52.2	106.35	0.1656	0.274	0.5596	79.41	-60.28	-32
B_{in}	380	565	17.7	5.99	100.98	0.142	0.0481	0.8098	29.43	86.8	-11
M_{in}	565	475	66.55	31.98	87.58	0.3575	0.1718	0.4705	63.33	97.44	-44
C_{00}	595	565	136.76	46.2	5.36	0.106	0.7072	0.082	73.68	-126.67	83.2
M_{in}	565	495	74.5	43.79	101.04	0.3396	0.1996	0.4606	72.09	76.51	-37
W_1	380	770	88.26	90.0	106.4	0.31	0.3161	0.3377	100.0	0.0	0.0

E00	Range	X ₁₀	Y ₁₀	Z ₁₀	X ₁₀	Y ₁₀	Z ₁₀
M ₅₀	565.770	65.75	61.85	0.0	0.611	0.3889	0.0
G ₅₀	495.770	83.06	96.24	1.87	0.4688	0.5093	0.0258
C ₅₀	475.575	25.69	61.86	14.26	0.2528	0.6068	0.0614
B ₅₀	380.565	34.28	58.14	10.00	0.1779	0.3022	0.0202
M ₃₀	380.495	16.92	97.5	96.13	0.1377	0.0794	0.0
M ₇₅	575.475	74.29	38.31	85.74	0.3745	0.1931	0.0
C ₄	495.565	17.3	48.38	38.7	0.2487	0.6954	0.0
M ₄	565.495	82.68	51.61	96.13	0.3588	0.2239	0.0
W ₁	380.770	99.99	99.99	100.0	0.3333	0.3333	0.3333
E00	Range	X _{10,90}	Y _{10,90}	Z _{10,90}	X _{10,90}	Y _{10,90}	Z _{10,90}
M ₅₀	565.770	59.18	37.66	0.0	0.611	0.3889	0.0
G ₅₀	495.770	74.76	81.21	3.48	0.4688	0.5093	0.0
G ₂₅₀	475.575	23.12	55.51	12.83	0.2528	0.6068	0.0258
B ₅₀	380.565	30.8	52.33	90.0	0.1779	0.3022	0.0
B ₃₀₀	380.495	15.23	87.18	86.51	0.1377	0.0794	0.0
M ₅₀	575.475	66.86	34.48	77.17	0.3745	0.1931	0.0
G ₉₀	495.565	15.57	43.54	3.48	0.2487	0.6954	0.0
M ₅₀	565.495	74.41	46.45	86.51	0.3588	0.2239	0.0
W _{1,90}	380.770	89.99	89.99	90.0	0.3333	0.3333	0.3333

L^*_{10}	a^*_{10}	b^*_{10}	C_{00}	Range	X_{10}	Z_{10}	Y_{10}
70.77	60.79	122.02	R_m	565.70	60.01	39.81	0.0606
70.77	60.79	122.02	R_m	565.70	60.01	39.81	0.0606
80.75	-107.71	155.73	C_m	475.575	26.43	63.93	0.457
98.80	-67.53	-130.26	C_m	380.965	37.23	116.08	0.173
72.37	42.4635	-105.07	C_m	380.965	37.23	116.08	0.173
62.82	68.25	-49.73	M_m	575.475	70.85	36.16	0.937
57.07	-113.85	89.27	M_m	495.565	17.74	49.34	0.241
71.77	05.00	0.00	M_m	565.495	79.54	50.69	0.112
103.00	0.00	0.00	W_1	380.770	87.25	99.59	0.2383
L^*_{10}	a^*_{10}	b^*_{10}	C_{00}	Range	X_{10}	Z_{10}	Y_{10}
67.78	58.68	116.86	R_m	565.70	54.00	35.02	0.0606
92.23	-12.69	121.19	$Y_{m,90}$	475.570	69.97	79.43	0.457
80.75	-107.71	155.73	$Y_{m,90}$	475.575	23.79	57.44	0.2459
98.80	-67.53	-130.26	$B_{m,90}$	380.965	35.34	54.97	104.83
72.37	42.4635	-105.07	$B_{m,90}$	380.965	49.54	17.58	105.02
62.82	68.25	-49.73	$C_{m,90}$	575.475	63.76	32.55	89.43
57.07	-113.85	89.27	$C_{m,90}$	495.565	15.96	44.51	0.2431
71.77	05.00	0.00	$C_{m,90}$	565.495	71.59	45.98	104.83
103.00	0.00	0.00	$W_{1,90}$	380.770	87.55	89.59	105.02
103.00	0.00	0.00	$W_{1,90}$	380.770	87.55	89.59	105.02

z_{10}	L^*_{10}	a^*_{10}	b^*_{10}
0.0	68.69	60.57	118.44
0.0241	95.27	-15.61	126.11
0.1566	83.88	-106.63	67.26
0.5414	82.42	-61.07	-30.3
0.7817	40.81	47.95	-99.66
0.4814	66.65	93.59	-47.36
0.0577	75.67	-111.55	92.31
0.4624	76.47	68.96	-38.17
0.3705	100.0	0.0	0.0
$z_{10,90}$	$L^*_{10,90}$	$a^*_{10,90}$	$b^*_{10,90}$
0.0	61.77	58.47	113.4
0.0241	91.43	-15.07	121.75
0.1566	80.43	-102.95	64.93
0.5414	79.03	-58.96	-29.25
0.7817	38.85	46.3	-96.22
0.4814	63.8	90.36	-45.73
0.0577	72.5	-107.69	89.12
0.4624	73.28	66.58	-36.85
0.3705	96.0	0.0	0.0

P00	Range	X	Y	Z	y	z	L*	a*	b*	
R _m	565, 705	74.35	47.6	0.06	0.6093	0.3901	0.0005	74.58	59.47	127.39
Y _m	495, 770	88.77	95.36	1.31	0.469	0.5038	0.0271	98.18	-14.88	117.1
B _m	475, 575	20.73	59.65	15.54	0.232	0.6091	0.1587	18.61	-117.81	53.0
C _m	380, 565	27.13	52.39	80.9	0.172	0.3252	0.5027	77.52	-79.37	-38.71
B _m	380, 495	13.29	46.33	75.92	0.1416	0.0493	0.809	25.68	73.84	-132.82
M _m	575, 475	79.33	40.34	65.51	0.2483	0.7180	0.3537	69.72	90.25	-38.5
G _m	595, 565	14.41	47.76	50.7	0.1293	0.7102	0.0754	74.68	-130.41	76.9
M _m	565, 495	87.65	52.23	75.98	0.406	0.2419	0.532	77.42	72.56	-34.66
W ₁	380, 770	102.06	10.01	81.06	0.3604	0.3531	0.2863	10.60	0.0	0.0
P00	Range	X ₉₀	Y ₉₀	Z ₉₀	y	z	L* ₉₀	a* ₉₀	b* ₉₀	
R _m	565, 770	66.92	42.84	0.05	0.6093	0.3901	0.0005	74.51	57.42	122.12
Y _m	495, 770	79.89	85.83	1.62	0.469	0.5038	0.0271	94.24	-14.37	113.06
B _m	475, 575	20.45	53.68	13.99	0.232	0.6091	0.1587	78.28	-113.74	51.17
C _m	380, 565	24.93	45.15	72.89	0.172	0.3252	0.5027	74.29	-76.57	-37.37
B _m	380, 495	11.96	41.6	68.33	0.1416	0.0493	0.809	24.24	71.28	-119.54
M _m	575, 475	71.4	36.31	58.96	0.2483	0.7180	0.3537	66.76	71.14	-37.17
G _m	595, 565	12.92	42.98	45.6	0.1293	0.7102	0.0754	71.55	-125.91	74.25
M _m	565, 495	78.88	47.01	68.39	0.406	0.2419	0.532	74.2	70.06	-33.46
W ₁	380, 770	91.86	9.00	72.95	0.3604	0.3531	0.2863	9.60	0.0	0.0

Q80	Range	X	Y	Z	x	y	z	L*	a*	b*
R _m	565.770	62.88	41.67	0.05	0.6011	0.3983	0.0005	70.65	57.88	121
G _m	565.770	77.91	93.71	6.13	0.6382	0.5271	0.0345	97.52	-25.98	121
B _m	475.575	23.43	64.48	19.9	0.2173	0.598	0.1845	84.72	-125.62	62.5
R _m	380.565	35.04	58.32	11.88	0.1651	0.2471	0.5610	80.14	92.66	-112
G _m	495.475	20.01	62.88	11.88	0.1438	0.0451	0.809	30.92	-67.76	-32
B _m	575.575	74.49	35.51	99.05	0.3563	0.1698	0.4737	66.15	103.24	34.6
R _m	565.565	15.42	52.06	6.04	0.2054	0.1713	0.0831	77.31	-134.45	86.5
G _m	565.495	82.9	47.95	11.87	0.3401	0.1967	0.635	74.8	81.6	-39
W ₁	370.770	97.93	100.0	118.95	0.3039	0.1555	0.3753	100.0	0.0	0
Q80	Range	X ₀₀	Y ₀₀	Z ₀₀	x ₀₀	y ₀₀	z ₀₀	L* ₀₀	a* ₀₀	b* ₀₀
R _m	565.770	56.59	37.5	0.05	0.6011	0.3983	0.0005	67.66	55.88	115
G _m	495.770	70.12	84.34	5.52	0.6382	0.5271	0.0345	93.6	-25.09	117
B _m	475.575	21.09	58.03	17.91	0.2173	0.598	0.1845	80.76	-117.34	60.4
R _m	380.565	31.54	52.49	10.70	0.1651	0.2471	0.5610	77.58	90.29	-111
G _m	495.475	18.01	56.55	10.53	0.1438	0.0451	0.809	28.35	-65.35	-31
B _m	575.575	67.04	31.96	98.14	0.3563	0.1698	0.4737	63.39	108.81	44.9
R _m	565.565	13.52	46.83	5.47	0.2054	0.1713	0.0831	74.09	-129.89	83.6
G _m	565.495	74.61	43.16	10.58	0.3401	0.1967	0.635	71.67	78.78	-38
W ₁	370.770	88.13	90.0	107.05	0.3039	0.1555	0.3753	96.67	0.0	0

P00	Range	X ₁₀	Y ₁₀	Z ₁₀	X ₁₀	Y ₁₀	Z ₁₀
P _m	565, 770	71.5	45.08	0.0	0.6141	0.3858	0.0
C _m	495, 770	88.81	91.7	3.55	0.4824	0.4824	0.0
C _m	475, 575	25.54	59.51	12.59	0.2615	0.6094	0.0
C _m	380, 565	30.62	54.91	81.25	0.1835	0.3292	0.0
B _m	380, 495	13.55	8.29	7.77	0.1362	0.0832	0.0
M _m	575, 475	76.83	40.48	68.66	0.4311	0.2177	0.0
C ₉	495, 565	17.06	46.62	3.55	0.2537	0.6934	0.0
M ₆	565, 495	85.31	53.37	7.77	0.3942	0.2466	0.0
W ₁	380, 770	102.37	99.59	81.25	0.3609	0.3525	0.0
P00	Range	X _{10,90}	Y _{10,90}	Z _{10,90}	X _{10,90}	Y _{10,90}	Z _{10,90}
P _m	565, 770	64.57	40.57	0.0	0.6141	0.3858	0.0
Y _{m,90}	495, 770	79.93	82.53	3.19	0.4824	0.4824	0.0
C _{m,90}	475, 575	22.98	53.56	11.32	0.2615	0.6094	0.0
C _{m,90}	380, 565	27.56	49.42	73.12	0.1835	0.3292	0.0
B _{m,90}	380, 495	12.2	7.46	69.93	0.1362	0.0832	0.0
N _{m,90}	575, 475	69.14	31.63	61.79	0.4311	0.2177	0.0
C _{9,90}	495, 565	15.35	41.96	3.19	0.2537	0.6934	0.0
N _{10,90}	565, 495	76.77	48.03	69.93	0.3942	0.2466	0.0
W _{1,90}	380, 770	92.13	89.93	73.12	0.3609	0.3525	0.0

$L^{\ast}_{16}$	$a^{\ast}_{10}$	$b^{\ast}_{10}$	Q_{10}	Range	X_{10}	Y_{10}	Z_{10}	Q_{10}	Range	X_{10}	Y_{10}	Z_{10}
72.95	60.74	12.77	R _m	565, 770	59.87	63.88	1.00	0.6074	0.3926			
92.96	96.7	8.9	R _m	495, 770	77.42	68.88	1.59	0.4543	0.5257			
89.81	57.5	-105.77	60.0	R _m	495, 770	25.85	83.81	1.59	0.2458	0.6042		
71.79	75.0	-75.5	-36.21	R _m	380, 565	37.77	61.31	11.42	0.1786	0.2819		
90.34	34.6	36.82	-106.8	B _m	380, 495	20.22	11.19	114.82	0.1388	0.0776		
69.1	69.82	84.47	-41.12	M _m	575, 475	71.79	36.18	102.51	0.341	0.171		
72.88	73.95	-112.52	54.9	C _m	495, 565	175.94	50.11	41.9	0.2442	0.6957		
79.89	64.93	-34.8	W ₁	565, 495	80.1	49.88	114.82	0.3279	0.204			
100.0	0.0	0.0	M ₀	380, 770	97.65	100.0	114.82	0.3099	0.216			
$L^{\ast}_{16}$	$a^{\ast}_{10}$	$b^{\ast}_{10}$	Q_{10}	Range	X_{10}	Y_{10}	Z_{10}	Q_{10}	Range	X_{10}	Y_{10}	Z_{10}
69.88	58.55	120.48	R _m	565, 770	53.88	34.81	0.1	0.6074	0.3926			
92.92	92.81	-8.6	Y _m	495, 770	69.68	79.92	3.7	0.4543	0.5257			
89.78	78.21	-102.12	65.68	Y _m	495, 575	23.26	57.43	14.31	0.2448	0.6042		
71.75	75.72	-72.46	-34.96	R _m	380, 565	33.99	55.18	106.58	0.1786	0.2819		
90.32	32.85	35.55	-106.01	B _m	380, 495	18.2	10.07	102.68	0.1388	0.0776		
69.1	66.86	81.55	-39.7	M _m	575, 475	64.61	32.56	92.26	0.341	0.171		
72.88	73.85	-108.61	61.67	C _m	495, 565	15.79	45.1	97.3	0.2442	0.6957		
79.89	74.85	62.9	-33.6	W ₁	565, 495	72.09	44.89	102.8	0.3279	0.204		
100.0	0.0	0.0	M ₀	380, 770	87.88	90.0	106.58	0.3099	0.216			

x_{10}	L^*_{10}	a^*_{10}	b^*_{10}
0.0	68.52	60.44	118.15
0.0246	95.5	77.1	126.48
0.1506	83.87	-109.41	69.74
0.5444	82.55	-64.0	-30.08
0.7842	39.93	5.48	-101.18
0.487	66.66	94.98	-48.09
0.0583	76.14	-114.97	93.11
0.4677	76.0	71.49	-38.98
0.3746	100.0	0.0	0.0
$x_{10,90}$	$L^*_{10,90}$	$a^*_{10,90}$	$b^*_{10,90}$
0.0	65.61	58.35	113.12
0.0246	91.65	77.12	122.11
0.1506	80.43	-105.63	67.3
0.5444	79.15	-58.35	-29.04
0.7842	38.0	5.291	-97.68
0.487	63.81	91.7	-46.43
0.0583	72.96	-111.0	89.89
0.4677	72.82	69.03	-37.64
0.3746	96.0	0.0	0.0

TUB-test chart VE00; Optimal colour data:
Ostwald colours for 8 CIE illuminants and 2 CIE ob

Input: w/rgb/cmyk -> w/rgb/cmyk-
Output: no change