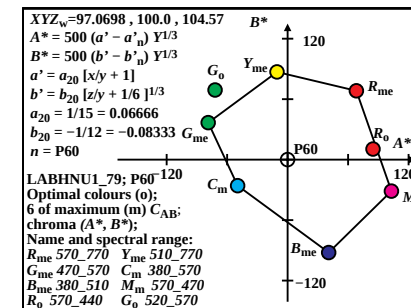
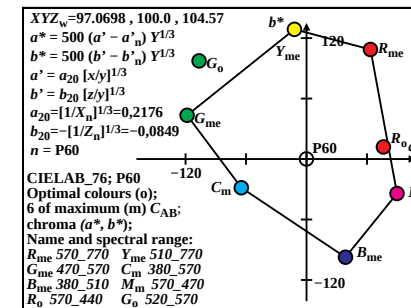
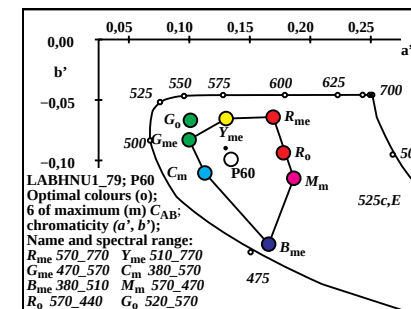
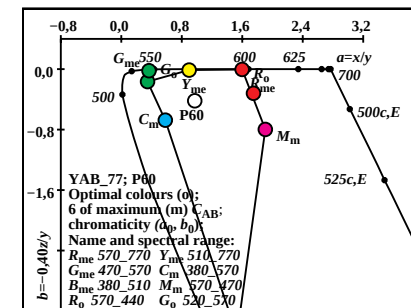
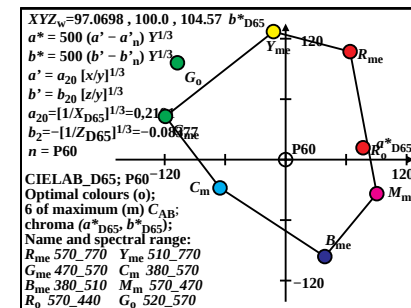
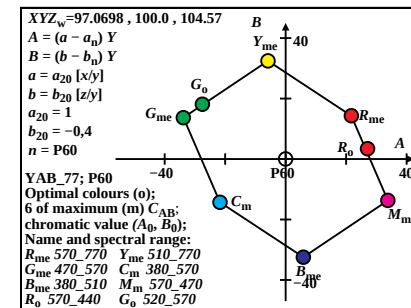
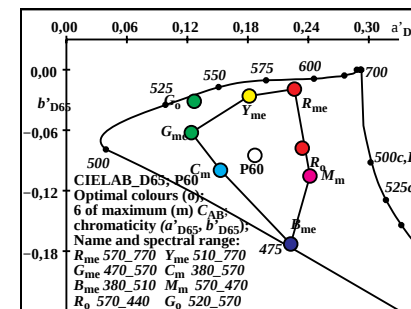
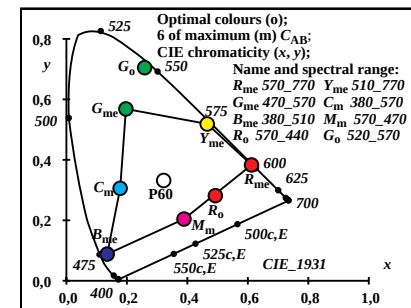


Optimal colours (o) RYGBM of maximum (m) C _{AB} ; P60, Y _m =510_770, CIE XYZ												
Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	55.29	34.58	0.41	0.6123	0.383	0.0046	237.4	38	592	16	484	
Y _{me} 510_770	71.7	79.88	2.4	0.4656	0.5187	0.0156	218.4	33	569	13	466	
G _{me} 470_570	18.76	54.15	22.37	0.1969	0.5683	0.2347	210.3	22	512	-1	512c	
C _m 380_570	32.4	55.75	94.07	0.1778	0.3059	0.5162	214.3	16	484	38	592	
B _{me} 380_510	16.0	10.46	92.08	0.135	0.0882	0.7767	227.8	13	466	33	569	
M _m 570_470	68.93	36.18	72.09	0.3889	0.2041	0.4068	246.2	-1	512c	22	512	
R _o 570_440	60.91	34.83	27.88	0.4927	0.2817	0.2255	240.9	-1	490c	18	490	
G _o 520_570	16.75	45.64	2.36	0.2586	0.7048	0.0365	214.0	27	538	-1	538c	
W _i 380_770	87.36	90.0	94.11	0.3218	0.3315	0.3466	225.8	29	549	-1	549c	

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; P60, Y _m =510_770, YAB_77												
Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	34.58	21.71	14.3	26.0	1.5985	-0.0048	33.3	38	592	16	484	
Y _{me} 510_770	79.88	-5.84	32.45	32.97	0.8975	-0.012	100.2	33	569	13	466	
G _{me} 470_570	54.15	-33.8	13.7	36.47	0.3464	-0.1652	157.9	22	514	-1	514c	
C _m 380_570	55.75	-21.71	-14.3	26.0	0.5812	-0.6749	213.3	16	484	38	592	
B _{me} 380_510	10.46	5.85	-32.45	32.97	1.5299	-3.5207	280.2	13	466	33	567	
M _m 570_470	36.18	33.8	-13.7	36.47	1.9048	-0.7969	337.9	-1	507c	21	507	
R _o 570_440	34.83	27.1	3.41	27.31	1.7488	-0.3202	7.1	-1	489c	17	489	
G _o 520_570	45.64	-27.55	18.14	32.99	0.3669	-0.0207	146.6	27	538	-1	538c	
W _i 380_770	90.0	0.0	0.0	0.01	0.9706	-0.4182	19.5	38	593	16	484	

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; P60, Y _m =510_770, CIELAB_76												
Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c	
R _{me} 570_770	65.43	63.48	106.29	123.81	0.2544	-0.0194	59.1	39	596	15	476	
Y _{me} 510_770	91.63	-11.95	128.6	129.16	0.2099	-0.0264	95.3	33	568	14	471	
G _{me} 470_570	78.55	-118.43	43.39	126.13	0.1528	-0.0632	159.8	22	514	-1	514a	
C _m 380_570	79.47	-64.65	-28.45	70.63	0.1816	-0.101	203.7	16	482	-1	482a	
B _{me} 380_510	38.67	38.56	-97.43	104.78	0.2507	-0.1753	291.5	13	467	31	557	
M _m 570_470	66.67	89.76	-34.15	96.04	0.2697	-0.1068	339.1	-1	515c	23	515	
R _o 570_440	65.62	76.26	11.98	77.19	0.2621	-0.0788	8.9	-1	486c	17	486	
G _o 520_570	73.32	-106.57	97.35	144.34	0.1558	-0.0316	137.5	27	535	8	444	
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	140.8	26	532	5	429	

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; P60, Y _m =510_770, LABHNU1_79												
CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c	
R _{me} 570_770	65.43	68.17	68.26	96.48	0.1732	-0.0469	45.0	38	592	15	479	
Y _{me} 510_770	91.63	-10.49	86.94	87.58	0.1265	-0.0484	96.8	33	568	14	471	
G _{me} 470_570	78.55	-78.71	36.63	86.82	0.0897	-0.0694	155.0	21	508	9	448	
C _m 380_570	79.47	-49.58	-25.8	55.89	0.1054	-0.1023	207.4	16	483	42	613	
B _{me} 380_510	38.67	40.77	-92.14	100.75	0.1686	-0.1731	293.8	13	467	31	559	
M _m 570_470	66.67	102.98	-31.16	107.59	0.1936	-0.1077	343.1	7	437	20	502	
R _o 570_440	65.62	84.7	10.52	85.35	0.1832	-0.0824	7.0	-1	489c	17	489	
G _o 520_570	73.32	-71.9	69.08	99.71	0.0911	-0.0501	136.1	27	536	12	461	
W _i 380_770	96.0	0.0	0.0	0.0	0.1313	-0.0888	56.4	25	525	11	457	



Optimal colours (o) RYGBM of maximum (m) C_{AB}; P55, Y_m=510_770, CIE XYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	57.06	35.53	0.38	0.6136	0.3821	0.0041	237.9	38	592	17	485
Y _{me} 510_770	73.43	80.4	2.33	0.4702	0.5148	0.0149	219.2	33	569	13	467
G _{me} 470_570	18.6	53.34	21.18	0.1997	0.5727	0.2274	210.6	22	512	-1	512c
C _m 380_570	30.98	54.81	86.34	0.18	0.3184	0.5015	214.2	17	485	38	592
B _{me} 380_510	14.62	9.94	84.39	0.1342	0.0913	0.7744	227.3	13	467	33	569
M _m 570_470	69.44	36.99	65.52	0.4038	0.2151	0.381	246.0	-1	512c	22	512
R _o 570_440	62.08	35.74	24.9	0.5058	0.2912	0.2029	241.1	-1	490c	18	490
G _o 520_570	16.71	45.21	2.28	0.2602	0.7041	0.0356	214.1	27	538	-1	538c
W _i 380_770	87.71	90.0	86.38	0.3321	0.3407	0.327	225.7	4	422	32	564

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Optimal colours (o) RYGBM of maximum (m) C_{AB}; P55, Y_m=510_770, YAB_77

Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	35.53	22.43	13.48	26.17	1.6059	-0.0043	31.0	38	592	17	485
Y _{me} 510_770	80.4	-4.92	29.93	30.33	0.9133	-0.0115	99.3	33	569	13	469
G _{me} 470_570	53.34	-33.38	12.0	35.47	0.3487	-0.1588	160.2	22	512	-1	512c
C _m 380_570	54.81	-22.43	-13.49	26.17	0.5653	-0.63	211.0	16	484	37	588
B _{me} 380_510	9.94	4.93	-29.93	30.34	1.4701	-3.393	279.3	13	467	33	568
M _m 570_470	36.99	33.38	-12.0	35.47	1.8768	-0.7083	340.2	-1	513c	22	513
R _o 570_440	35.74	27.24	3.76	27.5	1.7366	-0.2786	7.8	-1	491c	18	491
G _o 520_570	45.21	-27.35	16.44	31.91	0.3696	-0.0202	148.9	27	538	-1	538c
W _i 380_770	90.0	0.0	0.0	0.01	0.9745	-0.3839	350.8	-1	540c	28	540

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Optimal colours (o) RYGBM of maximum (m) C_{AB}; P55, Y_m=510_770, CIELAB_76

Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	66.16	64.14	108.02	125.63	0.2545	-0.0193	59.2	39	595	15	476
Y _{me} 510_770	91.86	-9.94	127.98	128.37	0.2108	-0.0268	94.4	33	569	14	471
G _{me} 470_570	78.08	-117.5841	132	124.63	0.1529	-0.0642	160.6	22	514	-1	514c
C _m 380_570	78.93	-67.91	-29.38	73.99	0.1797	-0.1016	203.3	16	482	-1	482c
B _{me} 380_510	37.76	34.0	-98.9	104.58	0.2471	-0.1781	288.9	13	468	31	559
M _m 570_470	67.28	87.62	-32.51	93.46	0.268	-0.1057	339.6	-1	515c	23	515
R _o 570_440	66.33	75.34	14.37	76.7	0.2612	-0.0774	10.8	-1	486c	17	486
G _o 520_570	73.03	-105.9595	87	142.89	0.1559	-0.0323	137.8	27	536	8	443
W _i 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	271.6	14	472	34	572

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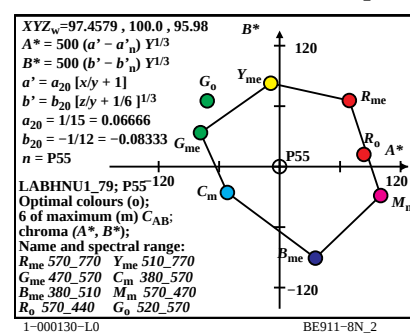
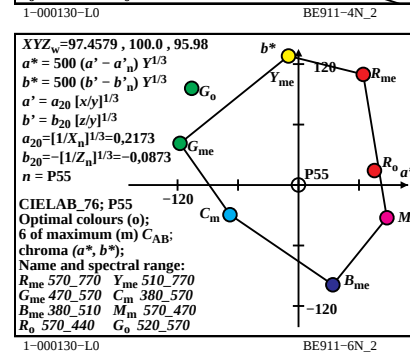
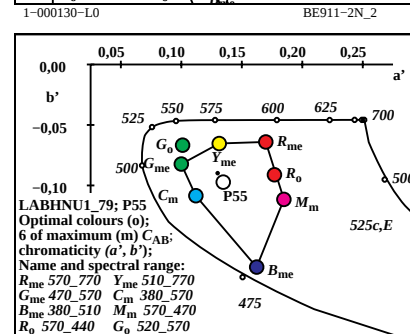
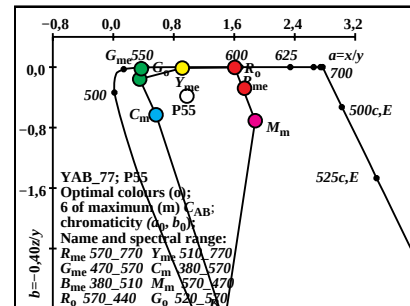
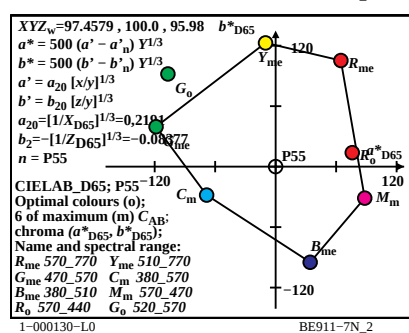
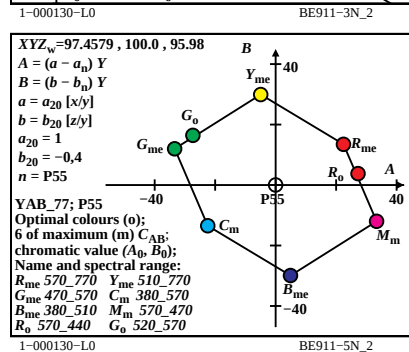
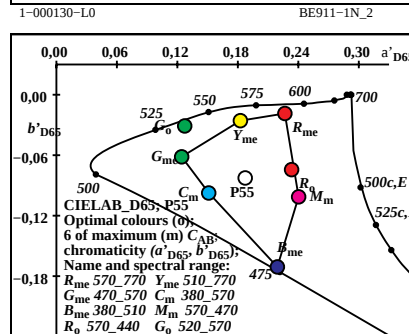
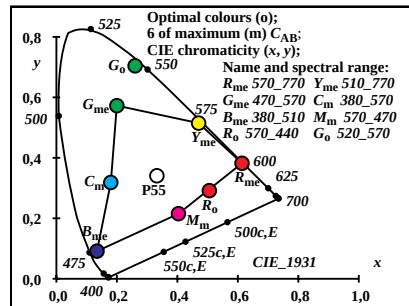
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P55, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	66.16	69.18	65.51	95.28	0.1737	-0.0468	43.4	38	593	16	480
Y _{me} 510_770	91.86	-8.8	82.7	83.16	0.1275	-0.0483	96.0	33	569	14	471
G _{me} 470_570	78.08	-78.51	33.61	85.4	0.0899	-0.0688	156.8	21	508	9	446
C _m 380_570	78.93	-51.81	-25.74	57.85	0.1043	-0.1002	206.4	16	484	42	613
B _{me} 380_510	37.76	35.52	-90.69	97.39	0.1646	-0.171	291.3	13	468	32	562
M _m 570_470	67.28	100.2	-28.61	104.21	0.1917	-0.1038	344.0	7	435	20	503
R _o 570_440	66.33	83.66	12.11	84.54	0.1824	-0.0793	8.2	-1	490c	18	490
G _o 520_570	73.03	-71.83	65.2	97.0	0.0913	-0.0501	137.7	27	536	12	460
W _i 380_770	96.0	0.0	0.0	0.0	0.1316	-0.0867	350.5	14	472	34	572

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TUB-test chart BE91; Colorimetry of Ostwald optimal colours; K=25:1 input: w/rgb/cmyk->rgb colour spaces CIE XYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



TUB registration: 20170801-BE91/BE91L0NP.PDF /PS application for measurement of display output

TUB material: code=rha4ta

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P50, Y_m=510_770, CIE XYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	59.24	36.67	0.35	0.6153	0.3809	0.0036	238.4	38	593	17	486
Y _{me} 510_770	75.55	80.99	2.24	0.4758	0.51	0.0141	220.0	34	570	13	468
G _{me} 470_570	18.4	52.33	19.82	0.2032	0.5779	0.2188	210.8	22	511	-1	511c
C _m 380_570	29.4	53.66	77.8	0.1828	0.3335	0.4836	213.9	17	486	38	593
B _{me} 380_510	13.11	9.35	75.91	0.1332	0.0951	0.7716	226.8	13	468	34	570
M _m 570_470	70.24	38.0	58.32	0.4217	0.2281	0.3501	245.7	-1	511c	22	511
R _o 570_440	63.61	36.86	21.7	0.5206	0.3017	0.1776	241.3	-1	491c	18	491
G _o 520_570	16.64	44.65	2.19	0.2621	0.7032	0.0345	214.1	27	538	-1	538c
W _i 380_770	88.31	90.0	77.85	0.3447	0.3513	0.3039	225.5	14	471	34	573

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BE910-1N_3

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P50, Y_m=510_770, YAB_77

Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	36.67	23.25	12.54	26.42	1.6151	-0.0038	28.3	38	593	17	487
Y _{me} 510_770	80.99	-3.92	27.12	27.41	0.9327	-0.011	98.2	34	570	13	469
G _{me} 470_570	52.33	-32.95	10.18	34.48	0.3516	-0.1514	162.8	21	509	-1	509c
C _m 380_570	53.66	-23.24	-12.55	26.42	0.548	-0.5799	208.3	17	485	37	585
B _{me} 380_510	9.35	3.93	-27.12	27.41	1.4013	-3.2453	278.2	13	468	33	569
M _m 570_470	38.0	32.95	-10.17	34.48	1.8483	-0.6138	342.8	-1	526c	25	526
R _o 570_440	36.86	27.43	4.07	27.73	1.7253	-0.2354	8.4	-1	494c	18	494
G _o 520_570	44.65	-27.17	14.57	30.83	0.3728	-0.0196	151.7	27	538	-1	538c
W _i 380_770	90.0	0.0	0.0	0.01	0.9812	-0.346	0.0	11	456	33	567

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Optimal colours (o) RYGBM of maximum (m) C_{AB}; P50, Y_m=510_770, CIELAB_76

Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	67.04	64.67	110.05	127.64	0.2544	-0.0192	59.5	38	594	15	476
Y _{me} 510_770	92.13	-7.79	127.18	127.42	0.2118	-0.0273	93.5	34	570	14	471
G _{me} 470_570	77.48	-116.7	38.78	122.98	0.153	-0.0654	161.6	23	515	-1	515c
C _m 380_570	78.27	-71.69	-30.53	77.92	0.1774	-0.1023	203.0	16	483	-1	483c
B _{me} 380_510	36.68	28.61	-100.66	104.65	0.2426	-0.1817	285.8	13	468	32	562
M _m 570_470	68.02	85.1	-30.5	90.4	0.2661	-0.1043	340.2	-1	516c	23	516
R _o 570_440	67.18	74.19	17.25	76.18	0.26	-0.0758	13.0	-1	486c	17	486
G _o 520_570	72.67	-105.34	94.02	141.2	0.156	-0.0331	138.2	27	537	8	440
W _i 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	180.0	18	494	-1	494c

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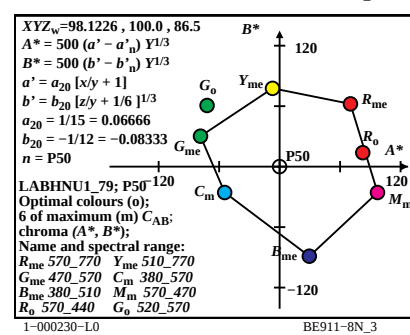
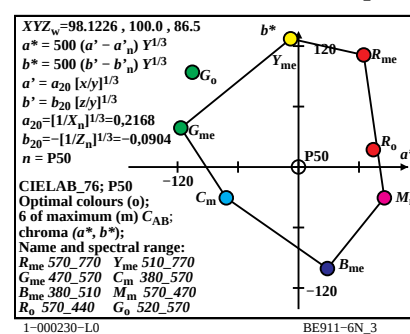
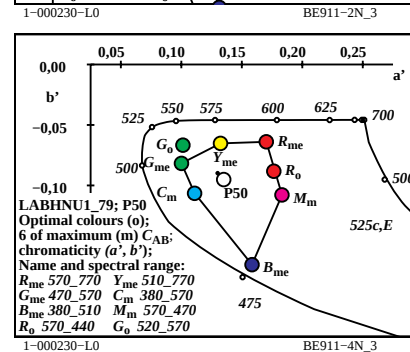
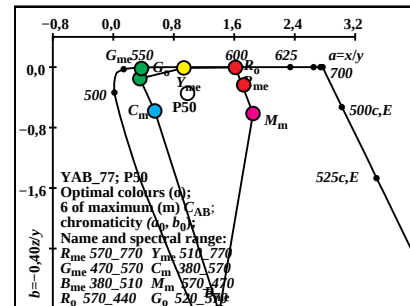
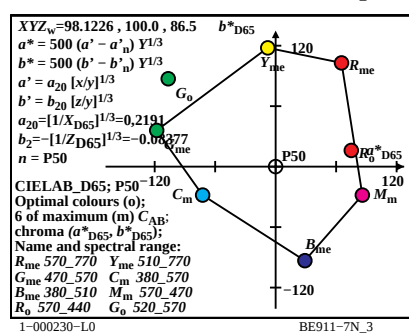
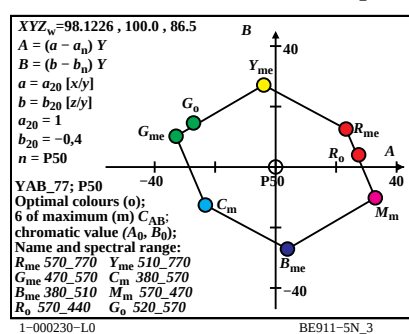
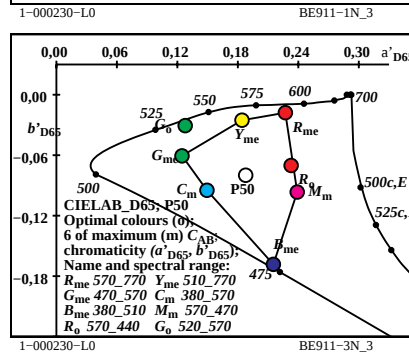
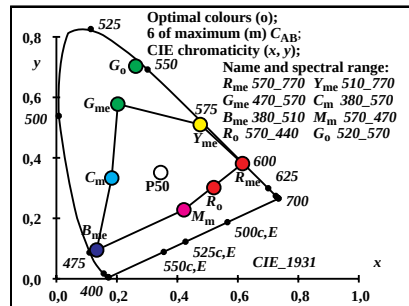
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P50, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	67.04	70.19	62.23	93.81	0.1743	-0.0467	41.5	38	593	16	481
Y _{me} 510_770	92.13	-6.98	77.72	78.03	0.1288	-0.0482	95.1	34	570	14	471
G _{me} 470_570	77.48	-78.48	30.14	84.07	0.0901	-0.068	158.9	21	508	8	443
C _m 380_570	78.27	-54.45	-25.63	60.19	0.1032	-0.0978	205.2	17	485	42	613
B _{me} 380_510	36.68	29.5	-88.89	93.66	0.16	-0.1685	288.3	13	468	32	564
M _m 570_470	68.02	97.16	-25.67	100.5	0.1898	-0.0994	345.1	6	432	20	503
R _o 570_440	67.18	82.54	13.82	83.69	0.1816	-0.0758	9.5	-1	490c	18	490
G _o 520_570	72.67	-71.94	60.68	94.11	0.0915	-0.0499	139.8	27	536	11	459
W _i 380_770	96.0	0.0	0.0	0.0	0.132	-0.0842	0.0	18	494	-1	494c

1-000230-L0

BE910-7N_3

TUB-test chart BE91; Colorimetry of Ostwald optimal colours; K=25:1 input: w/rgb/cmyk->rgb colour spaces CIE XYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



Optimal colours (o) RYGBM of maximum (m) C_{AB}; P45, Y_m=510_770, CIE XYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	61.97	38.1	0.31	0.6173	0.3795	0.0031	238.9	38	593	17	487
Y _{me} 510_770	78.18	81.68	2.13	0.4826	0.5042	0.0131	221.0	34	571	13	468
G _{me} 470_570	18.14	51.07	18.23	0.2075	0.584	0.2084	211.1	22	510	-1	510c
C _m 380_570	27.65	52.24	68.41	0.1864	0.3522	0.4613	213.7	17	487	38	593
B _{me} 380_510	11.46	8.66	66.6	0.1321	0.0999	0.7679	226.1	13	468	34	571
M _m 570_470	71.47	39.26	50.48	0.4433	0.2435	0.3131	245.4	-1	510c	22	510
R _o 570_440	65.65	38.26	18.3	0.5371	0.313	0.1497	241.4	-1	491c	18	491
G _o 520_570	16.54	43.92	2.08	0.2645	0.702	0.0333	214.1	27	538	-1	538c
W _i 380_770	89.28	90.0	68.46	0.3603	0.3632	0.2763	225.2	17	488	39	597

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Optimal colours (o) RYGBM of maximum (m) C_{AB}; P45, Y_m=510_770, YAB_77

Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	38.1	24.17	11.46	26.75	1.6265	-0.0033	25.3	38	593	18	490
Y _{me} 510_770	81.68	-2.85	24.0	24.17	0.9571	-0.0104	96.7	34	571	13	468
G _{me} 470_570	51.07	-32.52	8.24	33.55	0.3553	-0.1428	165.7	21	506	-1	506c
C _m 380_570	52.24	-24.17	-11.47	26.75	0.5293	-0.5238	205.3	17	486	36	582
B _{me} 380_510	8.66	2.86	-24.0	24.17	1.322	-3.073	276.7	13	468	34	571
M _m 570_470	39.26	32.52	-8.24	33.55	1.8203	-0.5143	345.7	-1	544c	28	544
R _o 570_440	38.26	27.69	4.32	28.03	1.7159	-0.1913	8.8	-1	498c	19	498
G _o 520_570	43.92	-27.02	12.53	29.78	0.3767	-0.019	155.1	27	537	-1	537c
W _i 380_770	90.0	0.0	0.0	0.01	0.992	-0.3042	355.4	13	469	34	571

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Optimal colours (o) RYGBM of maximum (m) C_{AB}; P45, Y_m=510_770, CIELAB_76

Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	68.1	64.93	112.44	129.85	0.254	-0.0191	59.9	38	593	15	476
Y _{me} 510_770	92.43	-5.55	126.12	126.24	0.2129	-0.028	92.5	34	571	14	471
G _{me} 470_570	76.73	-115.81	35.62	121.17	0.153	-0.0669	162.9	23	515	-1	515c
C _m 380_570	77.43	-76.06	-31.97	82.5	0.1747	-0.1033	202.8	16	483	-1	483c
B _{me} 380_510	35.35	22.21	-102.78	105.16	0.2371	-0.1863	282.1	13	469	33	565
M _m 570_470	68.95	82.1	-27.99	86.74	0.2637	-0.1026	341.1	-1	517c	23	517
R _o 570_440	68.22	72.72	20.79	75.64	0.2586	-0.0738	15.9	-1	485c	17	485
G _o 520_570	72.18	-104.8	91.63	139.21	0.156	-0.0342	138.8	27	538	7	436
W _i 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	219.6	16	480	-1	480c

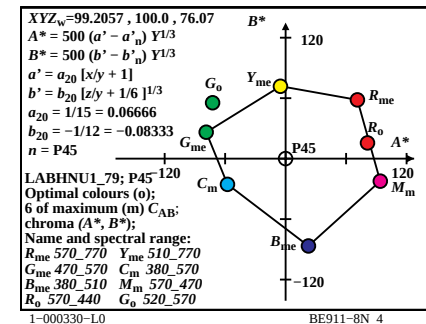
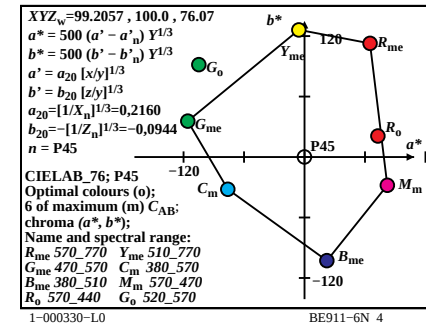
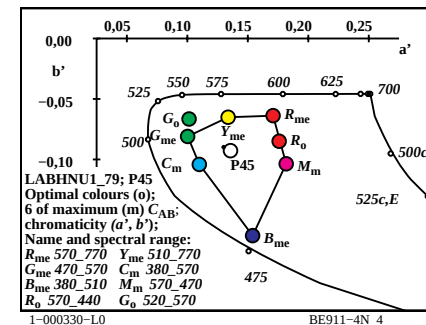
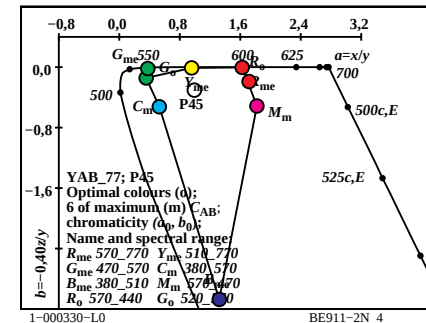
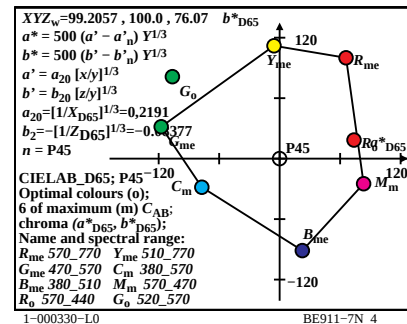
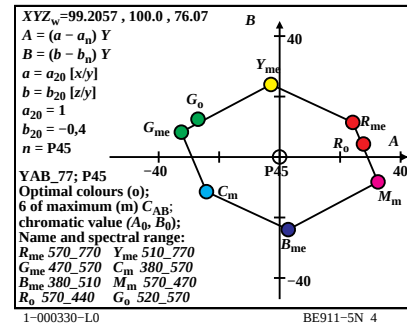
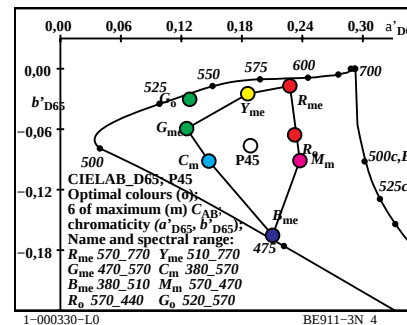
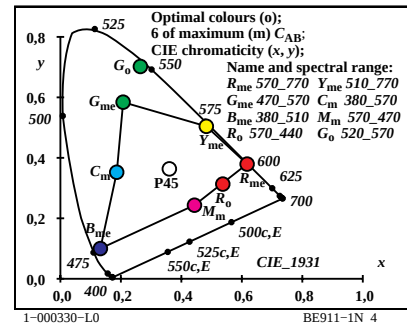
1-000330-L0 BE910-5N_4

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P45, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	68.1	71.15	58.28	91.98	0.1751	-0.0466	39.3	38	593	16	482
Y _{me} 510_770	92.43	-5.05	71.84	72.02	0.1304	-0.0481	94.0	34	571	14	471
G _{me} 470_570	76.73	-78.73	26.14	82.96	0.0903	-0.0671	161.6	21	508	7	439
C _m 380_570	77.43	-57.65	-25.45	63.02	0.1019	-0.0948	203.8	17	486	42	612
B _{me} 380_510	35.35	22.59	-86.61	89.51	0.1548	-0.1656	284.6	13	469	33	567
M _m 570_470	68.95	93.83	-22.27	96.44	0.188	-0.0943	346.6	5	429	20	504
R _o 570_440	68.22	81.29	15.6	82.78	0.181	-0.072	10.8	-1	490c	18	490
G _o 520_570	72.18	-72.35	55.38	91.12	0.0917	-0.0498	142.5	27	537	11	457
W _i 380_770	96.0	0.0	0.0	0.0	0.1328	-0.0812	333.3	17	489	-1	489c

1-000330-L0 BE910-7N_4

TUB-test chart BE91; Colorimetry of Ostwald optimal colours; K=25:1 input: w/rgb/cmyk->rgb colour spaces CIE XYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



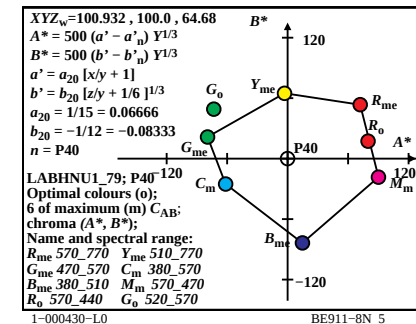
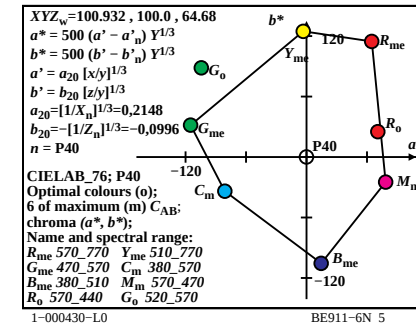
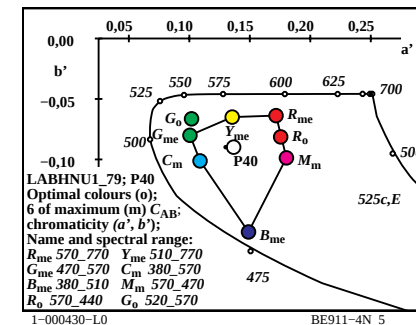
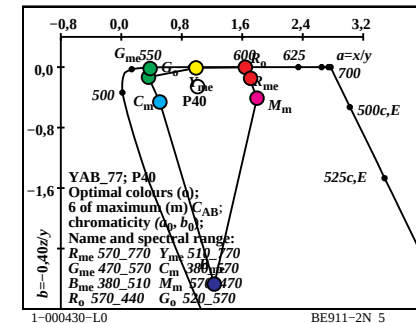
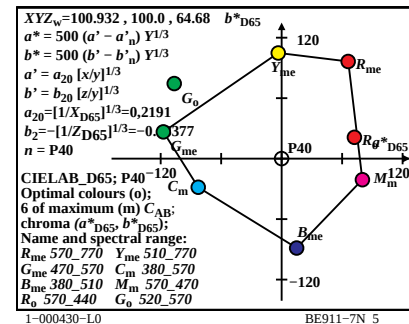
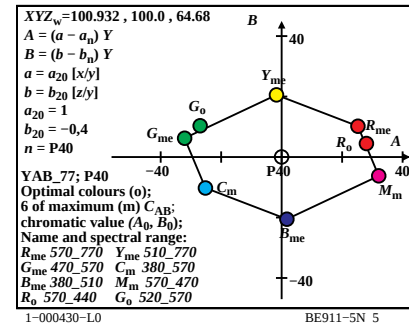
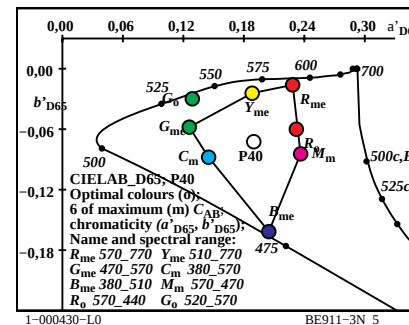
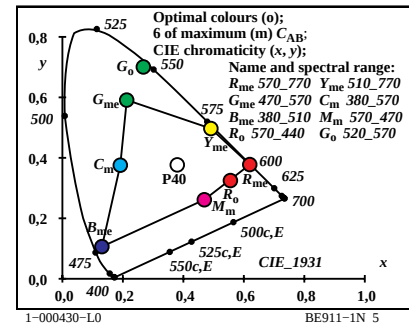
Optimal colours (o) RYGBM of maximum (m) C _{AB} ; P40, Y _m =510_770, CIEXYZ												
Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	65.48	39.9	0.27	0.6197	0.3776	0.0026	239.4	38	593	17	488	
Y _{me} 510_770	81.52	82.48	2.0	0.491	0.4968	0.012	222.0	34	572	13	469	
G _{me} 470_570	17.8	49.45	16.38	0.2128	0.5911	0.1959	211.3	22	510	-1	510c	
C _m 380_570	25.7	50.44	58.17	0.1913	0.3755	0.4331	213.3	17	488	38	593	
B _{me} 380_510	9.67	7.86	56.44	0.1307	0.1063	0.7629	225.2	13	469	34	572	
M _m 570_470	73.37	40.88	42.04	0.4694	0.2615	0.269	245.0	-1	510c	22	510	
R _o 570_440	68.44	40.03	14.74	0.5554	0.3248	0.1196	241.5	48	643	18	492	
G _o 520_570	16.39	42.92	1.95	0.2674	0.7005	0.0319	214.0	27	538	-1	538c	
W _i 380_770	90.83	90.0	58.22	0.3799	0.3764	0.2435	224.7	20	500	-1	500c	
1-000430-L0 BE910-1N_5												

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; P40, Y _m =510_770, YAB_77												
Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	39.9	25.21	10.21	27.2	1.6411	-0.0028	22.0	38	594	19	496	
Y _{me} 510_770	82.48	-1.72	20.54	20.61	0.9883	-0.0097	9.8	34	572	12	460	
G _{me} 470_570	49.45	-32.1	6.24	32.7	0.36	-0.1325	168.9	20	503	-1	503c	
C _m 380_570	50.44	-25.2	-10.21	27.2	0.5095	-0.4613	202.0	17	487	35	579	
B _{me} 380_510	7.86	1.73	-20.54	20.61	1.2301	-2.8703	274.8	13	469	34	573	
M _m 570_470	40.88	32.1	-6.23	32.7	1.7946	-0.4113	349.0	-1	560c	32	560	
R _o 570_440	40.03	28.04	4.45	28.39	1.7098	-0.1473	9.0	-1	509c	21	509	
G _o 520_570	42.92	-26.93	10.32	28.84	0.3818	-0.0182	159.0	27	535	-1	535c	
W _i 380_770	90.0	0.0	0.0	0.01	1.0093	-0.2587	2.2	14	473	34	574	
1-000430-L0 BE910-3N_5												

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; P40, Y _m =510_770, CIELAB_76												
Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c	
R _{me} 570_770	69.4	64.74	115.3	132.24	0.2533	-0.019	60.6	38	591	15	476	
Y _{me} 510_770	92.79	-3.27	124.68	124.72	0.2139	-0.0288	91.5	34	572	14	471	
G _{me} 470_570	75.73	-114.93316	119.2	0.1528	-0.0689	164.6	23	515	-1	515c		
C _m 380_570	76.34	-81.07	-33.83	87.85	0.1715	-0.1045	202.6	16	484	-1	484c	
B _{me} 380_510	33.72	14.59	-105.39	106.39	0.2301	-0.1922	277.8	14	470	33	569	
M _m 570_470	70.1	78.47	-24.8	82.29	0.261	-0.1005	342.4	-1	517c	23	517	
R _o 570_440	69.49	70.77	25.21	75.13	0.2568	-0.0714	19.6	-1	485c	17	485	
G _o 520_570	71.51	-104.378848	136.82	0.1558	-0.0356	139.7	28	540	6	430		
W _i 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	180.0	19	497	-1	497c	
1-000430-L0 BE910-5N_5												

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; P40, Y _m =510_770, LABHNU1_79												
CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c	
R _{me} 570_770	69.4	71.96	53.46	89.65	0.176	-0.0464	36.6	38	594	16	483	
Y _{me} 510_770	92.79	-3.04	64.85	64.92	0.1325	-0.0479	92.6	34	572	14	471	
G _{me} 470_570	75.73	-79.42	21.53	82.29	0.0906	-0.066	164.8	21	508	6	432	
C _m 380_570	76.34	-61.54	-25.15	66.48	0.1006	-0.0914	202.2	17	487	42	612	
B _{me} 380_510	33.72	14.63	-83.68	84.95	0.1486	-0.1619	279.9	13	469	34	570	
M _m 570_470	70.1	90.16	-18.32	92.01	0.1863	-0.0884	348.5	4	423	21	505	
R _o 570_440	69.49	79.86	17.34	81.72	0.1806	-0.0676	12.2	-1	491c	18	491	
G _o 520_570	71.51	-73.23	49.15	88.19	0.0921	-0.0497	146.1	27	537	10	454	
W _i 380_770	96.0	0.0	0.0	0.0	0.1339	-0.0777	90.5	20	504	-1	504c	
1-000430-L0 BE910-7N_5												

TUB-test chart BE91; Colorimetry of Ostwald optimal colours; K=25:1 input: w/rgb/cmyk->rgb
colour spaces CIEXYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



Optimal colours (o) RYGBM of maximum (m) C_{AB}; P35, Y_m=510_770, CIE XYZ

Code	X	Y	Z	x	y	z	<i>h_{xy}</i>	<i>i_d</i>	<i>λ_d</i>	<i>i_c</i>	<i>λ_c</i>
R _{me} 570_770	70.12	42.23	0.23	0.6228	0.375	0.0021	239.8	38	594	18	490
Y _{me} 510_770	85.89	83.42	1.84	0.5018	0.4873	0.0108	222.9	34	574	14	470
G _{me} 470_570	17.34	47.31	14.23	0.2198	0.5997	0.1804	211.3	21	509	-1	509c
C _m 380_570	23.53	48.11	47.14	0.1981	0.405	0.3968	212.9	18	490	38	594
B _{me} 380_510	7.78	6.92	45.52	0.1291	0.1149	0.7558	224.1	14	470	34	574
M _m 570_470	76.31	43.02	33.12	0.5005	0.2821	0.2172	244.3	-1	509c	21	509
R _o 570_440	72.34	42.32	11.12	0.575	0.3364	0.0884	241.4	44	622	18	494
G _o 520_570	16.13	41.54	1.79	0.2712	0.6984	0.0302	213.7	27	538	-1	538c
W _i 380_770	93.3	90.0	47.19	0.4047	0.3904	0.2047	223.9	33	566	-1	566c

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BE910-1N_6

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P35, Y_m=510_770, YAB_77

Code	Y	A	B	C _{AB}	a	b	<i>h_{AB}</i>	<i>i_d</i>	<i>λ_d</i>	<i>i_c</i>	<i>λ_c</i>
R _{me} 570_770	42.23	26.34	8.76	27.76	1.6604	-0.0022	18.3	39	596	22	514
Y _{me} 510_770	83.42	-0.59	16.75	16.76	1.0295	-0.0088	92.0	34	572	-1	572c
G _{me} 470_570	47.31	-31.7	4.22	31.99	0.3665	-0.1203	172.4	20	501	36	580
C _m 380_570	48.11	-26.33	-8.76	27.75	0.4892	-0.3919	198.4	17	488	35	576
B _{me} 380_510	6.92	0.6	-16.75	16.76	1.1234	-2.6296	272.0	14	470	35	575
M _m 570_470	43.02	31.71	-4.22	31.99	1.7737	-0.3079	352.4	-1	574c	34	574
R _o 570_440	42.32	28.46	4.42	28.8	1.7092	-0.1051	8.8	-1	570c	34	570
G _o 520_570	41.54	-26.93	7.99	28.09	0.3883	-0.0173	163.4	25	526	-1	526c
W _i 380_770	90.0	0.0	0.0	0.01	1.0366	-0.2097	8.7	15	475	35	575

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BE910-3N_6

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P35, Y_m=510_770, CIELAB_76

Code	L*	a*	b*	C* _{ab}	a'	b'	<i>h_{ab}</i>	<i>i_d</i>	<i>λ_d</i>	<i>i_c</i>	<i>λ_c</i>
R _{me} 570_770	71.03	63.77	118.77	134.81	0.2521	-0.019	61.7	38	590	15	476
Y _{me} 510_770	93.2	-1.08	122.64	122.64	0.2149	-0.03	90.5	34	574	14	471
G _{me} 470_570	74.39	-114.09	26.33	117.08	0.1523	-0.0716	167.0	23	515	-1	515c
C _m 380_570	74.9	-86.73	-36.31	94.02	0.1677	-0.1061	202.7	16	484	-1	484c
B _{me} 380_510	31.65	5.57	-108.63	108.78	0.2213	-0.2002	272.9	14	471	34	572
M _m 570_470	71.57	73.99	-20.62	76.81	0.2577	-0.0979	344.4	-1	518c	23	518
R _o 570_440	71.1	68.07	30.86	74.74	0.2545	-0.0684	24.3	-1	484c	16	484
G _o 520_570	70.56	-104.1	84.17	133.88	0.1553	-0.0375	141.0	28	542	3	418
W _i 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	121.1	31	556	12	461

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BE910-5N_6

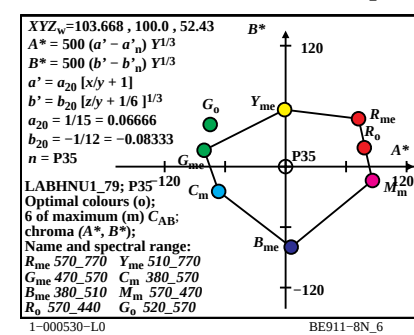
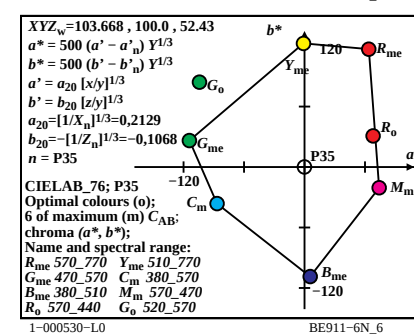
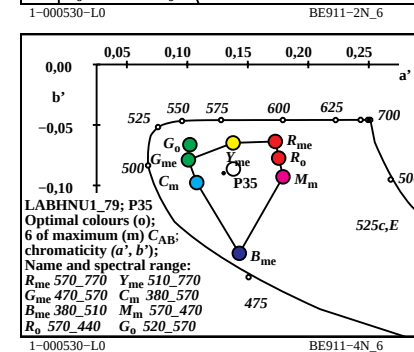
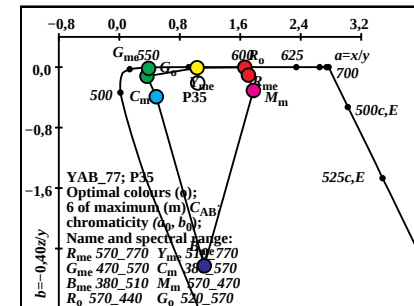
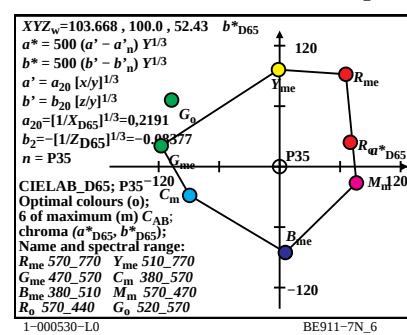
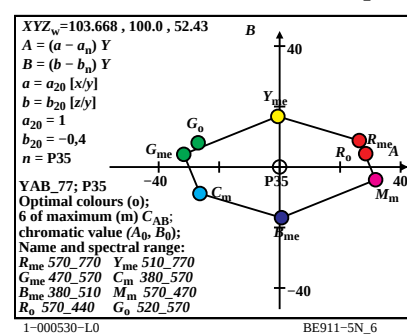
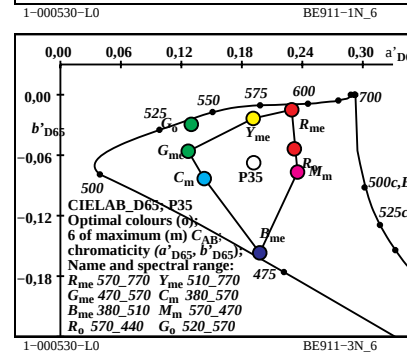
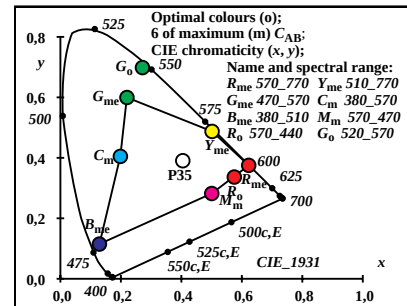
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P35, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	<i>h_{ab}</i>	<i>i_d</i>	<i>λ_d</i>	<i>i_c</i>	<i>λ_c</i>
R _{me} 570_770	71.03	72.39	47.53	86.6	0.1773	-0.0463	33.2	38	594	16	484
Y _{me} 510_770	93.2	-1.03	56.49	56.5	0.1353	-0.0478	91.0	34	574	14	471
G _{me} 470_570	74.39	-80.78	16.26	82.4	0.0911	-0.0646	168.6	21	508	4	422
C _m 380_570	74.9	-66.35	-24.62	70.77	0.0992	-0.0872	200.3	17	489	42	611
B _{me} 380_510	31.65	5.51	-79.79	79.98	0.1415	-0.1574	273.9	14	470	34	573
M _m 570_470	71.57	86.07	-13.76	87.17	0.1849	-0.0815	350.9	-1	506c	21	506
R _o 570_440	71.1	78.11	18.81	80.34	0.1806	-0.0628	13.5	-1	492c	18	492
G _o 520_570	70.56	-74.83	41.79	85.71	0.0925	-0.0495	150.8	27	537	10	450
W _i 380_770	96.0	0.0	0.0	0.0	0.1357	-0.0736	45.1	26	532	9	448

1-000530-L0

BE910-7N_6

TUB-test chart BE91; Colorimetry of Ostwald optimal colours; K=25:1 input: w/rgb/cmyk->rgb colour spaces CIE XYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



Optimal colours (o) RYGBM of maximum (m) C_{AB}; P30, Y_m=510_770, CIE XYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	76.47	45.33	0.19	0.6268	0.3716	0.0015	239.9	39	595	18	492
Y _{me} 510_770	91.8	84.52	1.65	0.5157	0.4749	0.0092	223.6	35	576	14	472
G _{me} 470_570	16.67	44.41	11.73	0.2289	0.6098	0.1611	211.3	21	509	-1	509c
C _m 380_570	21.14	45.0	35.54	0.2078	0.4425	0.3495	212.3	18	492	39	595
B _{me} 380_510	5.82	5.82	34.08	0.1274	0.1273	0.7452	222.6	14	472	35	576
M _m 570_470	80.93	45.93	23.98	0.5365	0.3044	0.159	243.3	-1	509c	21	509
R _o 570_440	77.98	45.4	7.6	0.5953	0.3466	0.058	241.1	42	612	19	495
G _o 520_570	15.7	39.53	1.6	0.2762	0.6955	0.0282	213.2	27	538	-1	538c
W _i 380_770	97.23	90.0	35.59	0.4363	0.4038	0.1597	222.7	-1	506c	21	506

1-000630-L0

BE910-1N_7

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P30, Y_m=510_770, YAB_77

Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	45.33	27.48	7.09	28.39	1.6867	-0.0017	14.4	-1	594c	38	594
Y _{me} 510_770	84.52	0.47	12.71	12.71	1.086	-0.0078	87.8	16	483	35	576
G _{me} 470_570	44.41	-31.3	2.33	31.39	0.3754	-0.1057	175.7	20	500	33	565
C _m 380_570	45.0	-27.48	-7.09	28.38	0.4697	-0.3159	194.4	17	489	34	573
B _{me} 380_510	5.82	-0.46	-12.71	12.71	1.0003	-2.3405	267.8	14	472	35	578
M _m 570_470	45.93	31.31	-2.32	31.39	1.7621	-0.2089	355.7	-1	584c	36	584
R _o 570_440	45.4	28.93	4.14	29.22	1.7176	-0.0669	8.1	-1	588c	37	588
G _o 520_570	39.53	-27.01	5.61	27.58	0.3971	-0.0162	168.2	22	511	29	549
W _i 380_770	90.0	0.0	0.0	0.01	1.0804	-0.1582	0.7	15	477	35	577

1-000630-L0

BE910-3N_7

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P30, Y_m=510_770, CIELAB_76

Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	73.11	61.47	123.05	137.55	0.2499	-0.019	63.4	37	589	15	476
Y _{me} 510_770	93.68	0.81	119.62	119.63	0.2158	-0.0316	89.6	35	576	14	471
G _{me} 470_570	72.5	-113.24	19.17	114.85	0.1514	-0.0753	170.3	23	515	-1	515c
C _m 380_570	72.9	-92.87	-39.73	101.01	0.1632	-0.1085	203.1	17	485	-1	485c
B _{me} 380_510	28.99	-4.9	-112.75	112.86	0.21	-0.2115	267.5	14	471	35	577
M _m 570_470	73.5	68.31	-14.98	69.93	0.2536	-0.0945	347.6	-1	518c	23	518
R _o 570_440	73.16	64.21	38.29	74.76	0.2514	-0.0647	30.8	-1	482c	16	482
G _o 520_570	69.14	-104.05	78.04	130.06	0.1543	-0.0403	143.1	28	544	-1	544c
W _i 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	482c	-1	544c

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BE910-5N_7

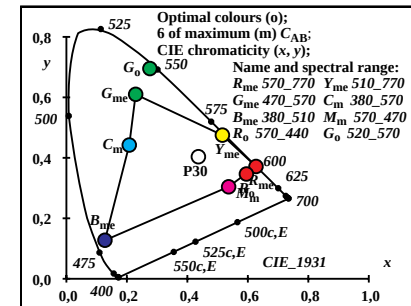
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P30, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	73.11	72.05	40.15	82.49	0.1791	-0.0462	29.1	39	595	17	487
Y _{me} 510_770	93.68	0.81	46.48	46.49	0.139	-0.0475	88.9	35	576	14	471
G _{me} 470_570	72.5	-83.2	10.32	83.84	0.0916	-0.0629	172.9	21	508	-1	508c
C _m 380_570	72.9	-72.39	-23.69	76.17	0.0979	-0.0821	198.1	18	491	42	610
B _{me} 380_510	28.99	-4.8	-74.47	74.63	0.1333	-0.1515	266.3	14	472	35	576
M _m 570_470	73.5	81.36	-8.63	81.82	0.1841	-0.0736	353.9	-1	507c	21	507
R _o 570_440	73.16	75.76	19.53	78.24	0.1811	-0.0578	14.4	44	624	18	493
G _o 520_570	69.14	-77.57	33.14	84.35	0.0931	-0.0493	156.8	27	537	8	443
W _i 380_770	96.0	0.0	0.0	0.0	0.1386	-0.0687	0.0	-1	443c	-1	537c

1-000630-L0

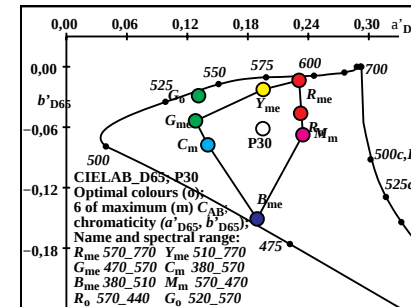
BE910-7N_7

TUB-test chart BE91; Colorimetry of Ostwald optimal colours; K=25:1 input: w/rgb/cmyk->rgb colour spaces CIE XYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



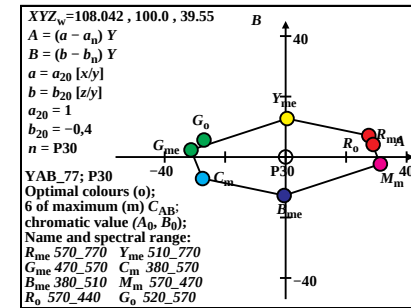
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BE911-1N_7



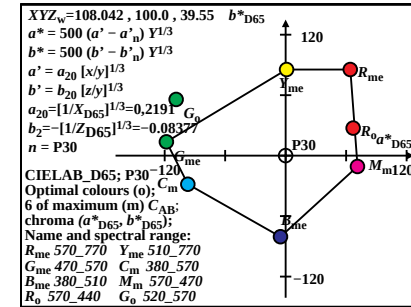
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BE911-3N_7



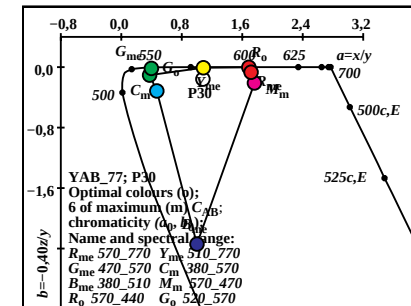
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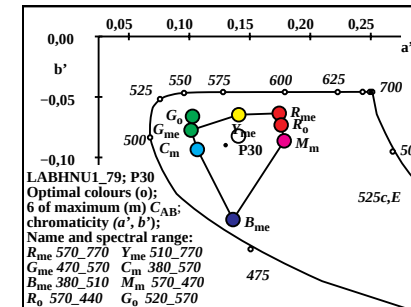
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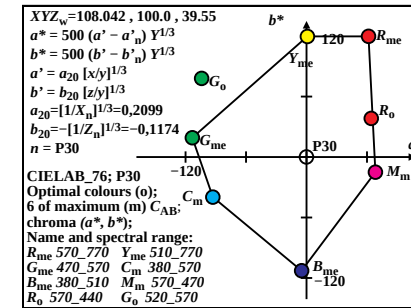
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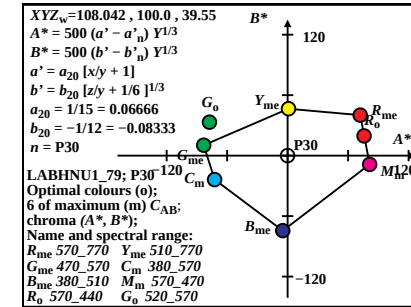
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BE911-4N_7



1-000630-L0

BE911-6N_7



1-000630-L0

BE911-8N_7

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P25, Y_m=510_770, CIEXYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	85.59	49.63	0.14	0.6322	0.3666	0.0011	239.5	39	596	19	495
Y _{me} 510_770	100.16	85.8	1.4	0.5345	0.4579	0.0075	223.3	35	578	14	474
G _{me} 470_570	15.66	40.31	8.88	0.2415	0.6215	0.1368	210.9	21	509	-1	509c
C _m 380_570	18.46	40.7	23.88	0.2223	0.4901	0.2875	211.5	19	495	39	596
B _{me} 380_510	3.91	4.54	22.62	0.126	0.1463	0.7276	220.6	14	474	35	578
M _m 570_470	88.39	50.02	15.14	0.5756	0.3257	0.0986	241.8	-1	509c	21	509
R _o 570_440	86.47	49.67	4.42	0.6151	0.3533	0.0314	240.2	41	606	19	498
G _o 520_570	14.96	36.51	1.35	0.2831	0.6911	0.0256	212.3	27	538	-1	538c
W _i 380_770	103.66	90.0	23.93	0.4764	0.4136	0.1099	220.9	-1	505c	21	505

1-000730-L0

BE910-1N_8

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P25, Y_m=510_770, YAB_77

Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	49.63	28.42	5.22	28.9	1.7246	-0.0012	10.4	-1	596c	39	596
Y _{me} 510_770	85.8	1.32	8.56	8.66	1.1672	-0.0065	81.2	16	481	35	579
G _{me} 470_570	40.31	-30.77	0.73	30.77	0.3886	-0.088	178.6	20	500	31	559
C _m 380_570	40.7	-28.42	-5.22	28.89	0.4536	-0.2346	190.4	18	492	34	570
B _{me} 380_510	4.54	-1.31	-8.56	8.66	0.8617	-1.9891	261.2	14	474	36	582
M _m 570_470	50.02	30.77	-0.73	30.78	1.767	-0.121	358.6	-1	591c	38	591
R _o 570_440	49.67	29.25	3.51	29.46	1.7408	-0.0355	6.8	-1	594c	38	594
G _o 520_570	36.51	-27.09	3.34	27.3	0.4097	-0.0148	172.9	21	507	29	546
W _i 380_770	90.0	0.0	0.0	0.01	1.1518	-0.1063	0.5	15	479	36	580

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BE910-3N_8

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P25, Y_m=510_770, CIELAB_76

<i>Code</i>	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>C</i> * _{ab}	<i>a</i> '	<i>b</i> '	<i>h</i> _{ab}	<i>i</i> _d	<i>λ</i> * _d	<i>i</i> _c	<i>λ</i> * _c
R _{me} 570_770	75.85	57.0	128.44	140.53	0.2465	-0.0193	66.0	37	588	15	475
Y _{me} 510_770	94.23	2.11	114.89	114.91	0.2164	-0.034	88.9	35	578	14	471
G _{me} 470_570	69.7	-112.198.99		112.55	0.15	-0.0809	175.4	22	513	-1	513c
C _m 380_570	69.97	-98.91	-44.72	108.55	0.1579	-0.1121	204.3	17	485	-1	485c
B _{me} 380_510	25.43	-16.42	-118.05	119.19	0.1956	-0.2287	262.0	14	472	36	581
M _m 570_470	76.09	60.85	-7.0	61.25	0.2485	-0.0899	353.4	-1	515c	23	515
R _o 570_440	75.87	58.43	48.41	75.88	0.2472	-0.0598	39.6	42	614	16	481
G _o 520_570	66.91	-104.1268.76		124.78	0.1526	-0.0447	146.5	29	548	-1	548c
W _i 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	506c	21	506

1-000730-L0

BE910-5N_8

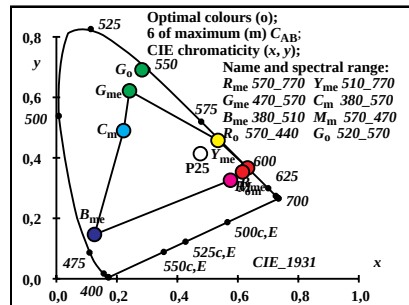
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P25, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	75.85	70.15	31.03	76.71	0.1816	-0.0461	23.8	39	596	18	490
Y _{me} 510_770	94.23	2.27	34.63	34.7	0.1444	-0.0473	86.2	35	578	14	471
G _{me} 470_570	69.7	-87.22	3.94	87.31	0.0925	-0.0607	177.4	21	509	-1	509c
C _m 380_570	69.97	-80.05	-22.0	83.02	0.0969	-0.0758	195.3	18	494	41	608
B _{me} 380_510	25.43	-16.02	-66.91	68.8	0.1241	-0.1438	256.5	14	473	36	580
M _m 570_470	76.09	75.55	-3.2	75.62	0.1844	-0.0647	357.5	-1	509c	21	509
R _o 570_440	75.87	72.15	18.62	74.52	0.1827	-0.0528	14.4	42	610	19	495
G _o 520_570	66.91	-82.05	23.19	85.27	0.0939	-0.049	164.2	27	536	6	432
W _i 380_770	96.0	0.0	0.0	0.0	0.1434	-0.063	0.0	-1	506c	21	506

1-000730-L0

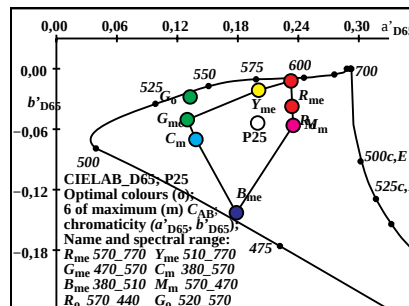
BE910-7N_8

TUB-test chart BE91; Colorimetry of Ostwald optimal colours; K=25:1 input: w/rgb/cmyk->rgb colour spaces CIEXYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



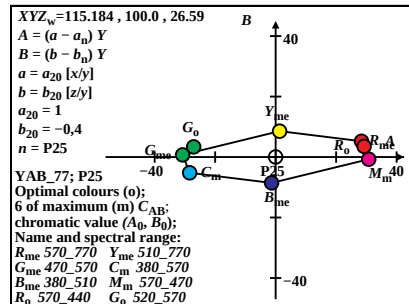
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BE911-1N_8



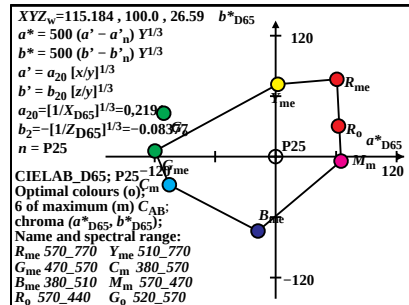
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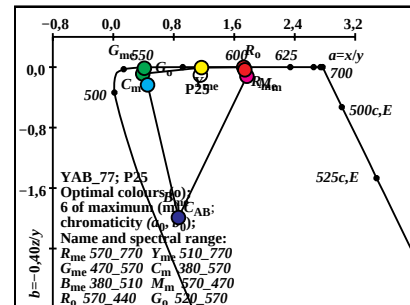
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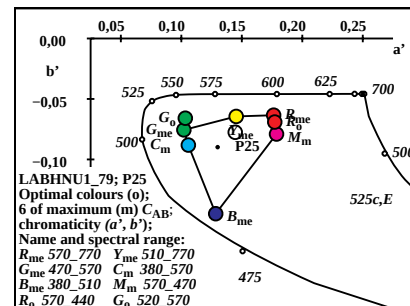
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BE911-7N_8



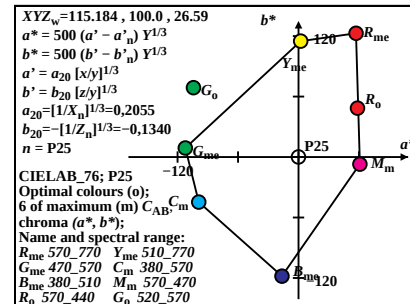
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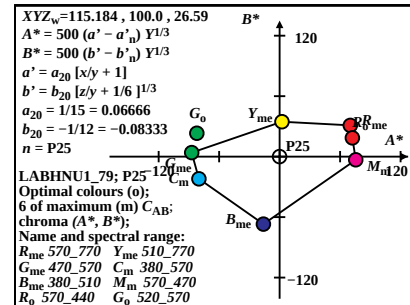
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BE911-4N_8



1-000730-L0

BE911-6N_8



1-000730-L0

BE911-8N_8

TUB registration: 20170801-BE91/BE91L0NP.PDF /PS application for measurement of display output

TUB material: code=rha4ta