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Ostwald optimal colours (o), maximum (m) C _{AB} for D50, Y _N =3,6, Y _W =90, Y _m =520_770													
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₁	B ₁	CA1B1	a ₁	b ₁	h _{xy,1}	i _d , λ _d	i _c , λ _c	Code		
1 405	32 564	48.45	-52.52	-26.15	58.67	0.2236	-0.5457	206.4	17 486	38 592	Cm		
7 435	33 565	48.25	-54.77	-12.23	56.12	0.2032	-0.4313	192.5	18 490	46 631			
10 450	33 566	48.75	-56.74	4.51	56.92	0.1916	-0.2928	175.4	19 497	-1 497c			
12 460	33 567	49.37	-57.34	16.06	59.55	0.1926	-0.1997	164.3	21 506	-1 506c			
13 465	33 568	50.0	-57.3	21.33	61.15	0.1988	-0.1592	159.5	22 512	-1 512c			
14 470	34 570	50.5	-56.89	25.72	62.43	0.2066	-0.1261	155.6	23 519	-1 519c			
15 475	34 573	52.24	-55.8	30.37	63.53	0.2299	-0.0973	151.4	25 527	-1 527c	Gm		
15 480	35 578	55.34	-54.77	32.93	63.91	0.2613	-0.0919	148.9	26 532	-1 532c			
17 485	37 587	59.41	-48.2	40.63	63.04	0.3327	-0.0563	139.8	28 544	-1 544c			
18 490	44 620	71.6	-19.22	52.07	55.51	0.5498	-0.0389	110.2	32 561	-1 561c			
19 495	-1 495c	76.06	3.2	56.84	56.93	0.674	-0.0309	86.7	33 568	12 463	max		
20 500	-1 500c	74.76	5.9	56.63	56.94	0.6888	-0.0268	84.0	33 569	13 466			
22 510	-1 510c	71.15	12.94	54.8	56.31	0.73	-0.0218	76.7	34 571	14 471			
23 520	-1 519c	68.78	17.2	53.19	55.9	0.7572	-0.0205	72.0	34 572	14 473	Ym		
25 530	-1 529c	62.96	26.65	48.81	55.62	0.8265	-0.0197	61.3	35 575	15 477			
27 540	-1 539c	56.11	36.05	43.4	56.42	0.9142	-0.0205	50.2	35 579	16 480			
28 545	-1 544c	52.49	40.31	40.47	57.12	0.9643	-0.0214	45.1	36 581	16 481			
29 550	-1 549c	48.77	44.13	37.44	57.88	1.0192	-0.0227	40.3	36 583	16 483			
30 555	-1 554c	45.01	47.39	34.37	58.54	1.0783	-0.0244	35.9	37 585	16 484			
32 560	-1 560c	37.66	51.7	28.34	58.96	1.2062	-0.0288	28.7	38 590	17 486			
32 564	1 405	41.54	52.52	26.15	58.67	1.1629	-0.078	26.4	38 592	17 486	Rm		
33 565	7 435	41.74	54.76	12.23	56.11	1.182	-0.2126	12.5	46 631	18 490			
33 566	10 450	41.24	56.73	-4.51	56.91	1.2074	-0.3736	355.4	-1 497c	19 497			
33 567	12 460	40.62	57.33	-16.06	59.54	1.2217	-0.488	344.3	-1 506c	21 506			
33 568	13 465	39.99	57.29	-21.33	61.13	1.2302	-0.5432	339.5	-1 512c	22 512			
34 570	14 470	39.49	56.88	-25.71	62.42	1.2333	-0.5903	335.6	-1 519c	23 519			
34 573	15 475	37.75	55.79	-30.36	63.52	1.2483	-0.6516	331.4	-1 527c	25 527	Mm		
35 578	15 480	34.65	54.75	-32.92	63.89	1.2893	-0.7099	328.9	-1 532c	26 532			
37 587	17 485	30.58	48.18	-40.61	63.02	1.2874	-0.861	319.8	-1 544c	28 544			
44 620	18 490	18.39	19.21	-52.05	55.48	1.0751	-1.4618	290.2	-1 561c	32 561			
-1 495c	19 495	13.93	-3.2	-56.81	56.9	0.5652	-1.9609	266.7	12 463	33 568	min		
-1 500c	20 500	15.23	-5.89	-56.61	56.91	0.5023	-1.8165	264.0	13 466	33 569			
-1 510c	22 510	18.84	-12.94	-54.78	56.28	0.3825	-1.4926	256.7	14 471	34 571			
-1 519c	23 520	21.21	-17.2	-53.17	55.88	0.3328	-1.3327	252.0	14 473	34 572	Bm		
-1 529c	25 530	27.03	-26.65	-48.8	55.6	0.2629	-1.0518	241.3	15 477	35 575			
-1 539c	27 540	33.88	-36.05	-43.39	56.41	0.2316	-0.8422	230.2	16 480	35 579			
-1 544c	28 545	37.5	-40.3	-40.47	57.12	0.2273	-0.7615	225.1	16 481	36 581			
-1 549c	29 550	41.22	-44.13	-37.44	57.87	0.229	-0.6931	220.3	16 483	36 583			
-1 554c	30 555	44.98	-47.38	-34.37	58.54	0.2358	-0.6355	215.9	16 484	37 585			
-1 560c	32 560	52.33	-51.69	-28.34	58.96	0.262	-0.5465	208.7	17 486	38 590			
W0 380	770	90.0	0.0	0.0	0.0	0.6572	-0.3298	0.0	B _c =1,000				
N0 380	770	3.6	0.0	0.0	0.0	0.6572	-0.3298	0.0	x _c =0,110				

DEF50-7N

TUB-test chart DEF5; Ostwald optimal colours, Y_N=3,6, Y_W=90, illuminant D50, CIE-02-degree
Table data: YA₁B₁C_{AB,1}h_{AB,1} and YA₂B₂C_{AB,2}h_{AB,2} with different wavelength ranges

1-000100-F0

Ostwald optimal colours (o), maximum (m) C _{AB} for D50, Y _N =3,6, Y _W =90, Y _m =520_770													
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₂	B _{c2}	CA2B2	a ₂	b ₂	h _{xy,2}	i _d , λ _d	i _c , λ _c	Code		
1 405	32 564	48.45	-52.52	-26.15	58.67	0.2236	-0.5457	206.4	17 486	38 592	Cm		
7 435	33 565	48.25	-54.77	-12.23	56.12	0.2032	-0.4313	192.5	18 490	46 631			
10 450	33 566	48.75	-56.74	4.51	56.92	0.1916	-0.2928	175.4	19 497	-1 497c			
12 460	33 567	49.37	-57.34	16.06	59.55	0.1926	-0.1997	164.3	21 506	-1 506c			
13 465	33 568	50.0	-57.3	21.33	61.15	0.1988	-0.1592	159.5	22 512	-1 512c			
14 470	34 570	50.5	-56.89	25.72	62.43	0.2066	-0.1261	155.6	23 519	-1 519c			
15 475	34 573	52.24	-55.8	30.37	63.53	0.2299	-0.0973	151.4	25 527	-1 527c	Gm		
15 480	35 578	55.34	-54.77	32.93	63.91	0.2613	-0.0919	148.9	26 532	-1 532c			
17 485	37 587	59.41	-48.2	40.63	63.04	0.3327	-0.0563	139.8	28 544	-1 544c			
18 490	44 620	71.6	-19.22	52.07	55.51	0.5498	-0.0389	110.2	32 561	-1 561c			
19 495	-1 495c	76.06	3.2	56.84	56.93	0.674	-0.0309	86.7	33 568	12 463	max		
20 500	-1 500c	74.76	5.9	56.63	56.94	0.6888	-0.0268	84.0	33 569	13 466			
22 510	-1 510c	71.15	12.94	54.8	56.31	0.73	-0.0218	76.7	34 571	14 471			
23 520	-1 519c	68.78	17.2	53.19	55.9	0.7572	-0.0205	72.0	34 572	14 473	Ym		
25 530	-1 529c	62.96	26.65	48.81	55.62	0.8265	-0.0197	61.3	35 575	15 477			
27 540	-1 539c	56.11	36.05	43.4	56.42	0.9142	-0.0205	50.2	35 579	16 480			
28 545	-1 544c	52.49	40.31	40.47	57.12	0.9643	-0.0214	45.1	36 581	16 481			
29 550	-1 549c	48.77	44.13	37.44	57.88	1.0192	-0.0227	40.3	36 583	16 483			
30 555	-1 554c	45.01	47.39	34.37	58.54	1.0783	-0.0244	35.9	37 585	16 484			
32 560	-1 560c	37.66	51.7	28.34	58.96	1.2062	-0.0288	28.7	38 590	17 486			
32 564	1 405	41.54	52.52	26.15	58.67	1.1629	-0.078	26.4	38 592	17 486	Rm		
33 565	7 435	41.74	54.76	12.23	56.11	1.182	-0.2126	12.5	46 631	18 490			
33 566	10 450	41.24	56.73	-4.51	56.91	1.2074	-0.3736	355.4	-1 497c	19 497			
33 567	12 460	40.62	57.33	-16.06	59.54	1.2217	-0.488	344.3	-1 506c	21 506			
33 568	13 465	39.99	57.29	-21.33	61.13	1.2302	-0.5432	339.5	-1 512c	22 512			
34 570	14 470	39.49	56.88	-25.71	62.42	1.2333	-0.5903	335.6	-1 519c	23 519			
34 573	15 475	37.75	55.79	-30.36	63.52	1.2483	-0.6516	331.4	-1 527c	25 527	Mm		
35 578	15 480	34.65	54.75	-32.92	63.89	1.2893	-0.7099	328.9	-1 532c	26 532			
37 587	17 485	30.58	48.18	-40.61	63.02	1.2874	-0.861	319.8	-1 544c	28 544			
44 620	18 490	18.39	19.21	-52.05	55.48	1.0751	-1.4618	290.2	-1 561c	32 561			
-1 495c	19 495	13.93	-3.2	-56.81	56.9	0.5652	-1.9609	266.7	12 463	33 568	min		
-1 500c	20 500	15.23	-5.89	-56.61	56.91	0.5023	-1.8165	264.0	13 466	33 569			
-1 510c	22 510	18.84	-12.94	-54.78	56.28	0.3825	-1.4926	256.7	14 471	34 571			
-1 519c	23 520	21.21	-17.2	-53.17	55.88	0.3328	-1.3327	252.0	14 473	34 572	Bm		
-1 529c	25 530	27.03	-26.65	-48.8	55.6	0.2629	-1.0518	241.3	15 477	35 575			
-1 539c	27 540	33.88	-36.05	-43.39	56.41	0.2316	-0.8422	230.2	16 480	35 579			
-1 544c	28 545	37.5	-40.3	-40.47	57.12	0.2273	-0.7615	225.1	16 481	36 581			
-1 549c	29 550	41.22	-44.13	-37.44	57.87	0.229	-0.6931	220.3	16 483	36 583			
-1 554c	30 555	44.98	-47.38	-34.37	58.54	0.2358	-0.6355	215.9	16 484	37 585			
-1 560c	32 560	52.33	-51.69	-28.34	58.96	0.262	-0.5465	208.7	17 486	38 590			
W0 380	770	90.0	0.0	0.0	0.0	0.6572	-0.3298	0.0	B _c =1,000				
N0 380	770	3.6	0.0	0.0	0.0	0.6572	-0.3298	0.0	x _c =0,110				

DEF51-7N

TUB registration: 20221101-DEF5/DEF5L0NP.PDF /PS
application for evaluation and measurement of display or print output

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