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Ostwald optimal colours (o), maximum (m) C _{AB} for D65, Y _N =0, Y _W =100, Y _m =520_770													
i ₁ , λ ₁	i ₂ , λ ₂	X	Y	Z	x	y	z	h _{xy}	i _d , λ _d	i _c , λ _c	Code		
0 405	32 561	31.49	53.78	97.34	0.1724	0.2945	0.533	193.8	16 483	37 589	Cm		
6 435	32 562	28.55	54.39	80.58	0.1746	0.3326	0.4927	178.5	17 486	42 610			
10 450	32 563	23.35	55.1	49.17	0.1829	0.4317	0.3852	141.6	19 496	-1 496c			
12 460	33 565	21.28	55.49	33.31	0.1933	0.504	0.3026	124.2	21 505	-1 505c			
12 465	33 567	22.36	56.83	33.32	0.1987	0.5051	0.2961	122.8	21 506	-1 506c			
14 470	33 569	22.16	58.03	21.18	0.2186	0.5724	0.2089	111.1	24 520	-1 520c	Gm		
15 475	34 573	24.05	60.12	16.8	0.2382	0.5953	0.1664	105.6	25 528	-1 528c			
16 480	36 580	28.23	63.83	13.47	0.2674	0.6048	0.1276	99.2	27 537	-1 537c			
17 485	39 595	39.58	71.51	11.03	0.3241	0.5855	0.0903	87.4	29 548	-1 548c			
18 490	-1 490c	70.02	84.64	9.22	0.4272	0.5164	0.0562	58.5	33 565	11 459	max		
19 495	-1 495c	69.98	83.35	7.82	0.4342	0.5171	0.0485	57.1	33 566	12 462			
20 500	-1 500c	69.96	81.72	6.74	0.4416	0.5158	0.0425	55.3	33 567	12 464			
22 510	-1 510c	69.85	77.28	5.33	0.4581	0.5068	0.035	50.6	33 569	13 469			
23 520	-1 519c	69.66	74.43	4.92	0.4674	0.4995	0.033	47.7	34 570	14 471	Ym		
25 530	-1 529c	68.68	67.57	4.41	0.4882	0.4803	0.0314	40.7	34 573	15 475			
27 540	-1 539c	66.72	59.67	4.15	0.511	0.4571	0.0318	32.8	35 577	15 478			
28 545	-1 544c	65.33	55.55	4.08	0.5228	0.4445	0.0326	28.7	35 579	15 479			
29 550	-1 549c	63.64	51.35	4.03	0.5347	0.4313	0.0338	24.7	36 582	16 480			
30 555	-1 554c	61.66	47.14	4.0	0.5465	0.4179	0.0354	20.8	36 584	16 481			
32 560	-1 560c	56.8	39.03	3.96	0.5691	0.391	0.0397	13.6	37 589	16 483			
32 561	0 405	63.55	46.21	11.54	0.5238	0.3809	0.0951	13.8	37 589	16 483	Rm		
32 562	6 435	66.48	45.6	28.3	0.4735	0.3248	0.2016	358.5	42 610	17 486			
32 563	10 450	71.69	44.89	59.71	0.4066	0.2546	0.3387	321.6	-1 496c	19 496			
33 565	12 460	73.75	44.5	75.57	0.3805	0.2295	0.3898	304.3	-1 505c	21 505			
33 567	12 465	72.68	43.16	75.56	0.3797	0.2254	0.3947	302.9	-1 506c	21 506			
33 569	14 470	72.87	41.96	87.7	0.3598	0.2071	0.433	291.1	-1 520c	24 520	Mm		
34 573	15 475	70.98	39.87	92.08	0.3497	0.1964	0.4537	285.6	-1 528c	25 528			
36 580	16 480	66.81	36.16	95.41	0.3367	0.1822	0.4809	279.3	-1 537c	27 537			
39 595	17 485	55.46	28.48	97.85	0.305	0.1567	0.5382	267.4	-1 548c	29 548			
-1 490c	18 490	25.01	15.35	99.66	0.1786	0.1096	0.7117	238.5	11 459	33 565	min		
-1 495c	19 495	25.05	16.64	101.06	0.1755	0.1166	0.7078	237.1	12 462	33 566			
-1 500c	20 500	25.07	18.27	102.14	0.1723	0.1256	0.702	235.4	12 464	33 567			
-1 510c	22 510	25.18	22.71	103.55	0.1662	0.1499	0.6837	230.7	13 469	33 569			
-1 519c	23 520	25.38	25.56	103.96	0.1638	0.165	0.6711	227.7	14 471	34 570	Bm		
-1 529c	25 530	26.35	32.42	104.47	0.1614	0.1986	0.6399	220.7	15 475	34 573			
-1 539c	27 540	28.32	40.32	104.73	0.1633	0.2325	0.604	212.8	15 478	35 577			
-1 544c	28 545	29.7	44.44	104.81	0.1659	0.2483	0.5856	208.8	15 479	35 579			
-1 549c	29 550	31.39	48.64	104.85	0.1697	0.2631	0.567	204.7	16 480	36 582			
-1 554c	30 555	33.38	52.85	104.88	0.1746	0.2765	0.5488	200.8	16 481	36 584			
-1 560c	32 560	38.24	60.96	104.92	0.1873	0.2986	0.5139	193.6	16 483	37 589			
W0 380	770	95.04	100.0	108.89	0.3127	0.329	0.3582	0.0					
N0 380	770	3.8	4.0	4.35	0.3127	0.329	0.3582	0.0					

CEW10-7N

TUB-test chart CEW1; Hue circle of the Ostwald optimal colours with Y values, Y_N=0,0, Y_W=100
Data: XYZ and YABC_{AB}h_{AB} as table with different wavelength, D65-02

Ostwald optimal colours (o), maximum (m) C _{AB} for D65, Y _N =0, Y _W =100, Y _m =520_770													
i ₁ , λ ₁	i ₂ , λ ₂	Y	A	B	C _{AB}	a	b	h _{xy}	i _d , λ _d	i _c , λ _c	Code		
0 405	32 561	53.78	-49.05	-38.76	62.52	0.5853	-0.7237	218.3	16 483	37 589	Cm		
6 435	32 562	54.39	-57.84	-21.34	61.65	0.5247	-0.5924	200.2	17 486	42 610			
10 450	32 563	55.1	-72.53	10.82	73.34	0.4236	-0.3568	171.5	19 496	-1 496c			
12 460	33 565	55.49	-78.62	27.09	83.16	0.3834	-0.2401	160.9	21 505	-1 505c			
12 465	33 567	56.83	-79.12	28.55	84.12	0.3933	-0.2344	160.1	21 506	-1 506c			
14 470	33 569	58.03	-82.45	41.99	92.53	0.3818	-0.146	153.0	24 520	-1 520c	Gm		
15 475	34 573	60.12	-82.67	48.63	95.92	0.4	-0.1118	149.5	25 528	-1 528c			
16 480	36 580	63.83	-81.06	56.01	98.53	0.4421	-0.0844	145.3	27 537	-1 537c			
17 485	39 595	71.51	-70.92	66.8	97.43	0.5534	-0.0617	136.7	29 548	-1 548c			
18 490	-1 490c	84.64	-26.03	82.92	86.91	0.8271	-0.0435	107.4	33 565	11 459	max		
19 495	-1 495c	83.35	-23.06	82.9	86.05	0.8394	-0.0375	105.5	33 566	12 462			
20 500	-1 500c	81.72	-19.23	82.21	84.43	0.8559	-0.033	103.1	33 567	12 464			
22 510	-1 510c	77.28	-8.95	78.79	79.29	0.9037	-0.0276	96.4	33 569	13 469			
23 520	-1 519c	74.43	-2.7	76.1	76.15	0.9356	-0.0264	92.0	34 570	14 471	Ym		
25 530	-1 529c	67.57	11.15	69.14	70.04	1.0161	-0.0261	80.8	34 573	15 475			
27 540	-1 539c	59.67	25.01	60.81	65.75	1.1178	-0.0278	67.6	35 577	15 478			
28 545	-1 544c	55.55	31.34	56.39	64.52	1.1758	-0.0293	60.9	35 579	15 479			
29 550	-1 549c	51.35	37.11	51.86	63.77	1.2392	-0.0314	54.4	36 582	16 480			
30 555	-1 554c	47.14	42.11	47.32	63.35	1.3074	-0.0339	48.3	36 584	16 481			
32 560	-1 560c	39.03	49.24	38.52	62.52	1.4548	-0.0406	38.0	37 589	16 483			
32 561	0 405	46.21	49.05	38.76	62.52	1.3747	-0.0999	38.3	37 589	16 483	Rm		
32 562	6 435	45.6	57.84	21.34	61.65	1.4575	-0.2481	20.2	42 610	17 486			
32 563	10 450	44.89	72.52	-10.82	73.32	1.5963	-0.5318	351.5	-1 496c	19 496			
33 565	12 460	44.5	78.6	-27.09	83.14	1.6566	-0.6789	340.9	-1 505c	21 505			
33 567	12 465	43.16	79.1	-28.55	84.09	1.6832	-0.7	340.1	-1 506c	21 506			
33 569	14 470	41.96	82.43	-41.98	92.5	1.7359	-0.8356	333.0	-1 520c	24 520	Mm		
34 573	15 475	39.87	82.64	-48.62	95.89	1.7791	-0.9231	329.5	-1 528c	25 528			
36 580	16 480	36.16	81.03	-55.99	98.49	1.8464	-1.0547	325.3	-1 537c	27 537			
39 595	17 485	28.48	70.88	-66.77	97.38	1.9454	-1.373	316.7	-1 548c	29 548			
-1 490c	18 490	15.35	26.01	-82.86	86.85	1.6281	-2.5947	287.4	11 459	33 565	min		
-1 495c	19 495	16.64	23.04	-82.85	85.99	1.5038	-2.4259	285.5	12 462	33 566			
-1 500c	20 500	18.27	19.22	-82.16	84.38	1.3709	-2.2338	283.1	12 464	33 567			
-1 510c	22 510	22.71	8.95	-78.75	79.26	1.1078	-1.822	276.4	13 469	33 569			
-1 519c	23 520	25.56	2.7	-76.07	76.12	0.9924	-1.6259	272.0	14 471	34 570	Bm		
-1 529c	25 530	32.42	-11.15	-69.12	70.01	0.8125	-1.2882	260.8	15 475	34 573			
-1 539c	27 540	40.32	-25.0	-60.8	65.74	0.702	-1.0385	247.6	15 478	35 577			
-1 544c	28 545	44.44	-31.33	-56.38	64.5	0.6681	-0.9428	240.9	15 479	35 579			
-1 549c	29 550	48.64	-37.1	-51.85	63.76	0.645	-0.8618	234.4	16 480	36 582			
-1 554c	30 555	52.85	-42.1	-47.31	63.34	0.6314	-0.7935	228.3	16 481	36 584			
-1 560c	32 560	60.96	-49.24	-38.51	62.51	0.627	-0.6881	218.0	16 483	37 589			
W0 380	770	100.0	0.0	0.0	0.0	0.9501	-0.4354	0.0	B _c =1,000				
N0 380	770	4.0	0.0	0.0	0.0	0.9501	-0.4354	0.0	x _c =0,000				

CEW11-7N

TUB registration: 20201101-CEW1/CEW1L0NP.PDF /.PS
application for evaluation and measurement of display or print output
TUB material: code=rha4ta