

see similar files: <http://farbe.li.tu-berlin.de/DE73/DE73L0NP.PDF> /PS
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmeterik>

TUB registration: 20180801-DE73/DE73L0NP.PDF /PS
application for measurement of offset print output

TUB material: code=rha4ta

CIE02 tristimulus values, chromatic values, and purities ($n=1.4, n_0=0.5$). Normalized Ostwald (O) tristimulus values ($Y_w=100$), ordered by wavelength.												
no.	O	C	tristimulus values and chromaticities			non-chromatic values			n-purities			
λ	X	Y	Z	x	y	X_w	Y_w	Z_w	x_w	y_w	h_{30}	h_{31}
00	396	31.24	12.19	76.69	0.260	0.101	0.638	72.3	-84.1	111.0	310	
01	463	13.25	6.34	78.11	0.135	0.064	0.799	20.0	-89.1	91.3	282	
02	466	13.27	8.01	79.21	0.132	0.079	0.788	13.4	-88.4	89.4	278	
03	471	13.39	12.66	80.68	0.125	0.118	0.755	-4.4	-84.7	84.8	266	
04	475B	14.00	19.21	81.44	0.122	0.167	0.710	-27.6	-77.9	82.7	250	
05	505	47.9	15.61	27.50	0.185	0.124	0.220	0.655	-53.3	-68.9	87.1	232
06	519	18.42	36.66	82.05	0.134	0.267	0.598	-77.4	-58.9	97.2	217	
07	483	20.35	41.45	82.11	0.141	0.288	0.570	-88.1	-53.6	103.1	211	
08	484	22.64	46.29	82.14	0.149	0.306	0.543	-97.4	-48.4	108.8	206	
09	485	25.29	51.06	82.16	0.159	0.322	0.518	-105.0	-43.3	113.6	202	
10	486C	29.62	57.81	81.62	0.175	0.341	0.482	-113.2	-35.5	118.7	197	
11	490	26.32	58.17	63.51	0.177	0.393	0.429	-126.0	-12.6	126.6	185	
12	497	23.01	58.66	42.48	0.185	0.472	0.342	-138.9	13.8	139.6	174	
13	501	22.62	59.57	35.18	0.192	0.507	0.299	-143.1	23.7	145.0	170	
14	506	22.26	60.29	28.28	0.200	0.543	0.255	-146.5	33.0	150.1	167	
15	519	21.83	61.02	17.06	0.218	0.610	0.170	-149.6	47.4	157.0	162	
16	522G	21.83	61.02	17.06	0.218	0.610	0.170	-149.6	47.4	157.0	162	
17	535	27.22	66.19	9.71	0.263	0.641	0.094	-146.3	61.3	158.7	157	
18	544	35.20	72.16	7.33	0.306	0.629	0.063	-136.1	69.6	152.8	152	
19	561	65.07	87.80	5.54	0.410	0.554	0.034	-72.3	84.1	111.0	130	
20	568	83.05	93.65	4.13	0.459	0.517	0.022	-20.0	88.1	91.3	102	
21	571	82.92	91.58	7.02	0.466	0.516	0.016	-13.4	88.4	91.3	100	
22	572	82.92	87.33	1.55	0.482	0.508	0.009	-4.4	84.7	84.8	98	
23	573	82.92	87.33	1.55	0.482	0.508	0.009	-4.4	84.7	84.8	98	
24	573B	82.92	87.33	1.55	0.482	0.508	0.009	-4.4	84.7	84.8	98	
25	573G	82.92	87.33	1.55	0.482	0.508	0.009	-4.4	84.7	84.8	98	
26	573M	82.92	87.33	1.55	0.482	0.508	0.009	-4.4	84.7	84.8	98	
27	573R	82.92	87.33	1.55	0.482	0.508	0.009	-4.4	84.7	84.8	98	
28	573B*	82.92	87.33	1.55	0.482	0.508	0.009	-4.4	84.7	84.8	98	
29	573G*	82.92	87.33	1.55	0.482	0.508	0.009	-4.4	84.7	84.8	98	
30	573M*	82.92	87.33	1.55	0.482	0.508	0.009	-4.4	84.7	84.8	98	
31	573R*	82.92	87.33	1.55	0.482	0.508	0.009	-4.4	84.7	84.8	98	
32	591	66.99	42.18	18.71	0.536	0.320	0.143	126.0	-12.6	126.6	5	
33	702	73.74	41.33	7.02	0.474	0.567	0.257	138.9	-13.8	139.6	35	
34	705	75.04	47.04	4.04	0.476	0.574	0.244	149.6	-14.9	150.1	30	
35	711	74.05	39.70	53.95	0.441	0.236	0.321	146.5	-33.0	150.2	34	
36	724	74.48	38.97	65.18	0.416	0.218	0.364	149.6	-47.4	157.0	34	
37	727M	72.26	35.57	65.17	0.415	0.210	0.374	149.8	-49.8	157.34	34	
38	740	69.08	33.08	72.53	0.393	0.192	0.413	146.3	-61.3	158.7	33	
39	745	68.00	32.19	73.59	0.390	0.185	0.423	146.5	-61.3	158.7	33	
40	766	31.24	12.19	76.69	0.260	0.101	0.638	72.3	-84.1	111.0	310	
41	828	13.25	6.34	78.11	0.135	0.064	0.799	20.0	-89.1	91.3	282	
D50	0.351	99.39	82.24	1.345	0.358	0.759		0.0	0.0	0.0		

$$b = p_{30} - p_{31} - p_{30}[(b_2 - b_{32}) + (b_2 - b_{32}) + (b_2 - b_{32})] - 1.4(3.5757 - 2.8702 - 0.0690)Y$$
$$b = p_{30} - p_{31} - p_{30}[(b_2 - b_{32}) + (b_2 - b_{32}) + (b_2 - b_{32})] - 1.4(3.5757 - 2.8702 - 2.4046)Y$$

see similar files: <http://farbe.li.tu-berlin.de/DE73/DE73L0NP.PDF> /[PS](http://farbe.li.tu-berlin.de/DE73/DE73L0NP.PDF)
technical information: <http://farbe.li.tu-berlin.de/DE73/DE73L0NP.PDF> /[PS](http://farbe.li.tu-berlin.de/DE73/DE73L0NP.PDF)

TUB registration: 20180801-DE73/DE73L0NP.PDF /.PS
application for measurement of offset print output

TUB material: code=rha4ta

CIE10 tristimulus values, chromatic values, and putities ($n=1.4, n_0=0.5$).
Normalized Ostwald (O) tristimulus values ($Y_w=100$), ordered by wavelength.

no.	O	C	tristimulus values and chromaticities	chromatic values	putities
λ	X	Y	Z	x	y
00	376	55.24	26.06	71.08	0.362 0.171 0.466
01	458	13.22	7.40	75.87	0.136 0.076 0.776
02	460	13.26	8.89	77.33	0.133 0.089 0.777
03	462	13.28	10.68	78.42	0.129 0.104 0.765
04	463	13.28	10.68	78.42	0.129 0.104 0.765
05	468	13.66	17.92	80.19	0.122 0.160 0.717
06	471	14.70	24.41	80.73	0.122 0.203 0.673
07	473	15.60	28.17	80.89	0.125 0.225 0.648
08	475	18.32	36.37	81.08	0.134 0.267 0.597
09	477	22.35	45.10	81.16	0.150 0.303 0.546
10	477C	22.35	45.10	81.16	0.150 0.303 0.546
11	479	27.82	53.94	81.17	0.170 0.331 0.498
12	480	30.64	58.21	79.19	0.182 0.346 0.471
13	484	25.67	56.42	59.80	0.180 0.397 0.421
14	492	22.50	56.65	38.03	0.192 0.483 0.324
15	503	21.56	57.40	24.28	0.208 0.555 0.235
16	512G	22.19	58.45	18.53	0.223 0.589 0.186
17	521	24.28	60.61	13.79	0.246 0.614 0.139
18	531	29.00	64.47	10.07	0.280 0.622 0.097
19	541	41.29	73.93	10.07	0.330 0.589 0.080
20	563	83.41	92.59	5.28	0.460 0.510 0.029
21	564	83.37	91.09	3.82	0.467 0.510 0.021
22	565	83.35	89.31	2.74	0.475 0.509 0.015
23	565Y	83.35	89.31	2.74	0.475 0.509 0.015
24	568	82.96	82.07	0.96	0.490 0.494 0.005
25	571	81.93	75.58	0.44	0.518 0.478 0.002
26	573	81.03	71.82	0.27	0.529 0.469 0.001
27	577	78.31	63.62	0.08	0.551 0.447 0.000
28	581	74.28	54.89	0.01	0.575 0.424 0.000
29	581R	74.28	54.89	0.01	0.575 0.424 0.000
30	587	68.81	46.05	0.00	0.599 0.400 0.000
31	589	67.60	44.04	0.93	0.600 0.391 0.008
32	692	70.96	43.57	21.37	0.522 0.320 0.157
33	697	74.12	43.34	43.14	0.461 0.269 0.268
34	708	75.07	42.59	56.88	0.434 0.261 0.325
35	717M	74.44	41.54	62.63	0.416 0.232 0.350
36	726	72.35	39.38	67.37	0.403 0.219 0.376
37	736	67.62	35.52	71.08	0.388 0.203 0.408
38	745	55.24	26.06	71.08	0.362 0.171 0.466
39	823	13.22	7.40	75.87	0.136 0.076 0.776

$a=P_{nm}=n_a P_n n_b [(b_{21}-b_{23})x+(b_{22}-b_{23})y+b_{23}]y=1.4(3.0757x-2.5702y-0.0960)/y$
 $b=P_{nm}=n_b P_n n_b [(b_{31}-b_{33})x+(b_{32}-b_{33})y+b_{33}]y=0.5(1.9906x+3.8617y-2.4046)/y$

CIE10 tristimulus values, chromatic values, and putities ($n=1.4, n_0=0.5$).
Normalized Ostwald (O) tristimulus values ($Y_w=100$), ordered by wavelength.

no.	O	C	tristimulus values and chromaticities	chromatic values	putities
λ	X	Y	Z	x	y
00	376	55.24	26.06	71.08	0.362 0.171 0.466
01	458	13.22	7.40	75.87	0.136 0.076 0.776
02	460	13.26	8.89	77.33	0.133 0.089 0.777
03	462	13.28	10.68	78.42	0.129 0.104 0.765
04	463	13.28	10.68	78.42	0.129 0.104 0.765
05	468	13.66	17.92	80.19	0.122 0.160 0.717
06	471	14.70	24.41	80.73	0.122 0.203 0.673
07	473	15.60	28.17	80.89	0.125 0.225 0.648
08	475	18.32	36.37	81.08	0.134 0.267 0.597
09	477	22.35	45.10	81.16	0.150 0.303 0.546
10	477C	22.35	45.10	81.16	0.150 0.303 0.546
11	479	27.82	53.94	81.17	0.170 0.331 0.498
12	480	30.64	58.21	79.19	0.182 0.346 0.471
13	484	25.67	56.42	59.80	0.180 0.397 0.421
14	492	22.50	56.65	38.03	0.192 0.483 0.324
15	503	21.56	57.40	24.28	0.208 0.555 0.235
16	512G	22.19	58.45	18.53	0.223 0.589 0.186
17	521	24.28	60.61	13.79	0.246 0.614 0.139
18	531	29.00	64.47	10.07	0.280 0.622 0.097
19	541	41.29	73.93	10.07	0.330 0.589 0.080
20	563	83.41	92.59	5.28	0.460 0.510 0.029
21	564	83.37	91.09	3.82	0.467 0.510 0.021
22	565	83.35	89.31	2.74	0.475 0.509 0.015
23	565Y	83.35	89.31	2.74	0.475 0.509 0.015
24	568	82.96	82.07	0.96	0.490 0.494 0.005
25	571	81.93	75.58	0.44	0.518 0.478 0.002
26	573	81.03	71.82	0.27	0.529 0.469 0.001
27	577	78.31	63.62	0.08	0.551 0.447 0.000
28	581	74.28	54.89	0.01	0.575 0.424 0.000
29	581R	74.28	54.89	0.01	0.575 0.424 0.000
30	587	68.81	46.05	0.00	0.599 0.400 0.000
31	589	67.60	44.04	0.93	0.600 0.391 0.008
32	692	70.96	43.57	21.37	0.522 0.320 0.157
33	697	74.12	43.34	43.14	0.461 0.269 0.268
34	708	75.07	42.59	56.88	0.434 0.261 0.325
35	717M	74.44	41.54	62.63	0.416 0.232 0.350
36	726	72.35	39.38	67.37	0.403 0.219 0.376
37	736	67.62	35.52	71.08	0.388 0.203 0.408
38	745	55.24	26.06	71.08	0.362 0.171 0.466
39	823	13.22	7.40	75.87	0.136 0.076 0.776

$a=P_{nm}=n_a P_n n_b [(b_{21}-b_{23})x+(b_{22}-b_{23})y+b_{23}]y=1.4(3.0757x-2.5702y-0.0960)/y$
 $b=P_{nm}=n_b P_n n_b [(b_{31}-b_{33})x+(b_{32}-b_{33})y+b_{33}]y=0.5(1.9906x+3.8617y-2.4046)/y$

CIE10 tristimulus values, chromatic values, and putities ($n=1.4, n_0=0.5$).
Normalized Ostwald (O) tristimulus values ($Y_w=100$), ordered by hue angle.

no.	O	C	tristimulus values and chromaticities	chromatic values	putities
λ	X	Y	Z	x	y
00	692	70.96	43.57	21.37	0.522 0.320 0.157
01	697	74.12	43.34	43.14	0.461 0.269 0.268
02	708	75.07	42.59	56.88	0.434 0.261 0.325
03	717	74.44	41.54	62.63	0.416 0.232 0.350
04	726	72.35	39.38	67.37	0.403 0.219 0.376
05	736	67.62	35.52	71.08	0.388 0.203 0.408
06	376	55.24	26.06	71.08	0.362 0.171 0.466
07	458	13.22	7.40	75.87	0.136 0.076 0.776
08	460	13.26	8.89	77.33	0.133 0.089 0.777
09	462	13.28	10.68	78.42	0.129 0.104 0.765
10	463	13.28	10.68	78.42	0.129 0.104 0.765
11	468	13.66	17.92	80.19	0.122 0.160 0.717
12	471	14.70	24.41	80.73	0.122 0.203 0.673
13	473	15.60	28.17	80.89	0.125 0.225 0.648
14	475	18.32	36.37	81.08	0.134 0.267 0.597
15	477	22.35	45.10	81.16	0.150 0.303 0.546
16	477C	22.35	45.10	81.16	0.150 0.303 0.546
17	479	27.82	53.94	81.17	0.170 0.331 0.498
18	480	30.64	58.21	79.19	0.182 0.346 0.471
19	484	25.67	56.42	59.80	0.180 0.397 0.421
20	492	22.50	56.65	38.03	0.192 0.483 0.324
21	503	21.56	57.40	24.28	0.208 0.555 0.235
22	512	22.19	58.45	18.53	0.223 0.589 0.186
23	521G	24.28	60.61	13.79	0.246 0.614 0.139
24	531	29.00	64.47	10.07	0.280 0.622 0.097
25	541	41.29	73.93	10.07	0.330 0.589 0.080
26	563	83.41	92.59	5.28	0.460 0.510 0.029
27	564	83.37	91.09	3.82	0.467 0.510 0.021
28	565	83.35	89.31	2.74	0.475 0.509 0.015
29	565Y	83.35	89.31	2.74	0.475 0.509 0.015
30	568	82.96	82.07	0.96	0.490 0.494 0.005
31	571	81.93	75.58	0.44	0.518 0.478 0.002
32	573	81.03	71.82	0.27	0.529 0.469 0.001
33	577	78.31	63.62	0.08	0.551 0.447 0.000
34	581	74.28	54.89	0.01	0.575 0.424 0.000
35	581R	74.28	54.89	0.01	0.575 0.424 0.000
36	587	68.81	46.05	0.00	0.599 0.400 0.000
37	589	67.60	44.04	0.93	0.600 0.391 0.008
38	692	70.96	43.57	21.37	0.522 0.320 0.157
39	697	74.12	43.34	43.14	0.461 0.269 0.268

$a=P_{nm}=n_a P_n n_b [(b_{21}-b_{23})x+(b_{22}-b_{23})y+b_{23}]y=1.4(3.0757x-2.5702y-0.0960)/y$
 $b=P_{nm}=n_b P_n n_b [(b_{31}-b_{33})x+(b_{32}-b_{33})y+b_{33}]y=0.5(1.9906x+3.8617y-2.4046)/y$

CIE10 tristimulus values, chromatic values, and putities ($n=1.4, n_0=0.5$).
Normalized Ostwald (O) tristimulus values ($Y_w=100$), ordered by hue angle.

no.	O	C	tristimulus values and chromaticities	chromatic values	putities
λ	X	Y	Z	x	y
00	692	70.96	43.57	21.37	0.522 0.320 0.157
01	697	74.12	43.34	43.14	0.461 0.269 0.268
02	708	75.07	42.59	56.88	0.434 0.261 0.325
03	717	74.44	41.54	62.63	0.416 0.232 0.350
04	726	72.35	39.38	67.37	0.403 0.219 0.376
05	736	67.62	35.52	71.08	0.388 0.203 0.408
06	376	55.24	26.06	71.08	0.362 0.171 0.466
07	458	13.22	7.40	75.87	0.136 0.076 0.776
08	460	13.26	8.89	77.33	0.133 0.089 0.777
09	462	13.28	10.68	78.42	0.129 0.104 0.765
10	463	13.28	10.68	78.42	0.129 0.104 0.765
11	468	13.66	17.92	80.19	0.122 0.160 0.717
12	471	14.70	24.41	80.73	0.122 0.203 0.673
13	473	15.60	28.17	80.89	0.125 0.225 0.648
14	475	18.32	36.37	81.08	0.134 0.267 0.597
15	477	22.35	45.10	81.16	0.150 0.303 0.546
16	477C	22.35	45.10	81.16	0.150 0.303 0.546
17	479	27.82	53.94	81.17	0.170 0.331 0.498
18	480	30.64	58.21	79.19	0.182 0.346 0.471
19	484	25.67	56.42	59.80	0.180 0.397 0.421
20	492	22.50	56.65	38.03	0.192 0.483 0.324
21	503	21.56	57.40	24.28	0.208 0.555 0.235
22	512	22.19	58.45	18.53	0.223 0.589 0.186
23	521G	24.28	60.61	13.79	0.246 0.614 0.139
24	531	29.00	64.47	10.07	0.280 0.622 0.097
25	541	41.29	73.93	10.07	0.330 0.589 0.

see similar files: <http://farbe.li.tu-berlin.de/DE73/DE73.HTM>
 technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmaterik>

CIEF02 tristimulus values, chromatic values, and putities ($n=1.4, n_0=0.5$).
 Normalized Ostwald (O) tristimulus values ($Y_w=100$), ordered by wavelength.

no.	O	C	tristimulus values and chromaticities	chromatic values	putities
			X Y Z x y z	x_{ab} y_{ab} z_{ab}	x_{ab} y_{ab} z_{ab}
00 386	51.50	23.94	74.68	0.343 0.159 0.497	111.1 -72.0 132.4 327
01 460	12.38	6.54	76.19	0.130 0.068 0.801	15.8 -86.3 87.8 280
02 465	12.41	9.58	78.25	0.123 0.095 0.780	3.7 -85.2 85.3 272
03 467	14.25	11.64	78.87	0.120 0.113 0.766	-4.2 -83.5 83.6 267
04 473	13.31	20.43	79.83	0.117 0.179 0.702	-35.1 -74.4 82.3 244
05 475	14.02	24.19	79.97	0.118 0.204 0.676	-46.9 -70.1 84.5 236
06 479	17.82	36.91	80.16	0.132 0.273 0.594	-80.9 -56.2 98.5 214
07 479	17.82	36.91	80.16	0.132 0.273 0.594	-80.9 -56.2 98.5 214
08 481	21.98	46.03	80.19	0.148 0.310 0.541	-99.2 -46.2 109.4 205
09 481	21.98	46.03	80.19	0.148 0.310 0.541	-99.2 -46.2 109.4 205
10 483C	27.52	55.03	80.21	0.169 0.338 0.492	-111.3 -36.3 117.2 198
11 484	28.85	57.21	79.07	0.174 0.346 0.478	-114.1 -33.0 118.8 196
12 489	25.36	57.41	57.70	0.180 0.408 0.410	-126.6 -6.4 126.7 182
13 497	22.33	57.50	36.81	0.191 0.492 0.315	-136.8 19.4 138.1 171
14 505	21.31	58.03	24.30	0.205 0.559 0.234	-141.4 35.3 145.8 165
15 512	21.41	58.69	18.79	0.216 0.593 0.190	-142.8 42.7 149.1 163
16 521G	22.42	59.91	14.10	0.232 0.621 0.146	-142.8 49.5 151.1 160
17 524	25.32	62.97	14.10	0.247 0.615 0.137	-142.6 52.6 152.0 159
18 539	30.29	66.55	7.57	0.290 0.637 0.072	-135.0 63.6 149.3 154
19 541	44.95	76.05	0.00	0.605 0.394 0.000	111.6 35.4 119.8 17
20 568	84.08	93.45	4.02	0.463 0.514 0.022	-15.4 88.7 90.1 99
21 568	84.08	93.45	4.02	0.463 0.514 0.022	-15.4 88.7 90.1 99
22 569	84.05	90.41	1.96	0.476 0.512 0.011	-3.4 87.6 87.7 92
23 570Y	84.00	88.35	1.33	0.483 0.508 0.007	4.4 85.9 86.1 87
24 573	83.15	79.56	0.38	0.509 0.487 0.002	35.4 76.8 84.6 65
25 575	82.44	75.20	0.24	0.520 0.478 0.001	47.2 72.7 86.7 56
26 580	78.64	63.07	0.05	0.554 0.444 0.000	81.2 58.5 100.1 35
27 580	78.64	63.07	0.05	0.554 0.444 0.000	81.2 58.5 100.1 35
28 585	74.48	53.96	0.02	0.579 0.420 0.000	99.5 48.6 110.7 26
29 590	68.94	44.96	0.00	0.605 0.394 0.000	111.6 35.4 119.8 19
30 592	67.61	42.78	1.14	0.606 0.383 0.010	114.4 35.4 119.8 17
31 694	71.10	42.58	22.52	0.522 0.312 0.165	126.9 8.7 127.2 3
32 702	74.12	42.49	43.40	0.463 0.265 0.271	137.0 -17.0 138.1 352
33 710	75.15	41.96	55.91	0.434 0.242 0.323	141.7 -32.9 145.5 346
34 717	75.05	41.30	61.43	0.422 0.232 0.345	143.1 -40.3 148.7 344
35 726G	74.04	40.08	66.11	0.410 0.222 0.366	143.1 -47.1 150.7 341
36 729	71.14	37.02	66.11	0.408 0.212 0.379	143.0 -50.2 151.5 340
37 744	66.16	33.43	72.64	0.384 0.194 0.421	135.3 -61.2 148.5 335
38 756	51.50	23.94	74.68	0.343 0.159 0.497	111.1 -72.0 132.4 327
39 825	12.38	6.54	76.19	0.130 0.068 0.801	15.8 -86.3 87.8 280

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CIEF02 tristimulus values, chromatic values, and putities ($n=1.4, n_0=0.5$).
 Normalized Ostwald (O) tristimulus values ($Y_w=100$), ordered by wavelength.

no.	O	C	tristimulus values and chromaticities	chromatic values	putities
			X Y Z x y z	x_{ab} y_{ab} z_{ab}	x_{ab} y_{ab} z_{ab}
00 386	51.50	23.94	74.68	0.343 0.159 0.497	111.1 -72.0 132.4 327
01 460	12.38	6.54	76.19	0.130 0.068 0.801	15.8 -86.3 87.8 280
02 465	12.41	9.58	78.25	0.123 0.095 0.780	3.7 -85.2 85.3 272
03 467	14.25	11.64	78.87	0.120 0.113 0.766	-4.2 -83.5 83.6 267
04 473	13.31	20.43	79.83	0.117 0.179 0.702	-35.1 -74.4 82.3 244
05 475	14.02	24.19	79.97	0.118 0.204 0.676	-46.9 -70.1 84.5 236
06 479	17.82	36.91	80.16	0.132 0.273 0.594	-80.9 -56.2 98.5 214
07 479	17.82	36.91	80.16	0.132 0.273 0.594	-80.9 -56.2 98.5 214
08 481	21.98	46.03	80.19	0.148 0.310 0.541	-99.2 -46.2 109.4 205
09 481	21.98	46.03	80.19	0.148 0.310 0.541	-99.2 -46.2 109.4 205
10 483C	27.52	55.03	80.21	0.169 0.338 0.492	-111.3 -36.3 117.2 198
11 484	28.85	57.21	79.07	0.174 0.346 0.478	-114.1 -33.0 118.8 196
12 489	25.36	57.41	57.70	0.180 0.408 0.410	-126.6 -6.4 126.7 182
13 497	22.33	57.50	36.81	0.191 0.492 0.315	-136.8 19.4 138.1 171
14 505	21.31	58.03	24.30	0.205 0.559 0.234	-141.4 35.3 145.8 165
15 512	21.41	58.69	18.79	0.216 0.593 0.190	-142.8 42.7 149.1 163
16 521G	22.42	59.91	14.10	0.232 0.621 0.146	-142.8 49.5 151.1 160
17 524	25.32	62.97	14.10	0.247 0.615 0.137	-142.6 52.6 152.0 159
18 539	30.29	66.55	7.57	0.290 0.637 0.072	-135.0 63.6 149.3 154
19 541	44.95	76.05	0.00	0.605 0.394 0.000	111.6 35.4 119.8 17
20 568	84.08	93.45	4.02	0.463 0.514 0.022	-15.4 88.7 90.1 99
21 568	84.08	93.45	4.02	0.463 0.514 0.022	-15.4 88.7 90.1 99
22 569	84.05	90.41	1.96	0.476 0.512 0.011	-3.4 87.6 87.7 92
23 570Y	84.00	88.35	1.33	0.483 0.508 0.007	4.4 85.9 86.1 87
24 573	83.15	79.56	0.38	0.509 0.487 0.002	35.4 76.8 84.6 65
25 575	82.44	75.20	0.24	0.520 0.478 0.001	47.2 72.7 86.7 56
26 580	78.64	63.07	0.05	0.554 0.444 0.000	81.2 58.5 100.1 35
27 580	78.64	63.07	0.05	0.554 0.444 0.000	81.2 58.5 100.1 35
28 585	74.48	53.96	0.02	0.579 0.420 0.000	99.5 48.6 110.7 26
29 590	68.94	44.96	0.00	0.605 0.394 0.000	111.6 35.4 119.8 19
30 592	67.61	42.78	1.14	0.606 0.383 0.010	114.4 35.4 119.8 17
31 694	71.10	42.58	22.52	0.522 0.312 0.165	126.9 8.7 127.2 3
32 702	74.12	42.49	43.40	0.463 0.265 0.271	137.0 -17.0 138.1 352
33 710	75.15	41.96	55.91	0.434 0.242 0.323	141.7 -32.9 145.5 346
34 717	75.05	41.30	61.43	0.422 0.232 0.345	143.1 -40.3 148.7 344
35 726G	74.04	40.08	66.11	0.410 0.222 0.366	143.1 -47.1 150.7 341
36 729	71.14	37.02	66.11	0.408 0.212 0.379	143.0 -50.2 151.5 340
37 744	66.16	33.43	72.64	0.384 0.194 0.421	135.3 -61.2 148.5 335
38 756	51.50	23.94	74.68	0.343 0.159 0.497	111.1 -72.0 132.4 327
39 825	12.38	6.54	76.19	0.130 0.068 0.801	15.8 -86.3 87.8 280

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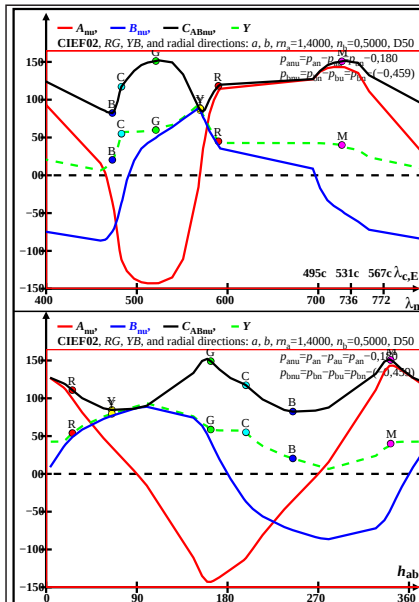
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CIEF02 tristimulus values, chromatic values, and putities ($n=1.4, n_0=0.5$).
 Normalized Ostwald (O) tristimulus values ($Y_w=100$), ordered by hue angle.

no.	O	C	tristimulus values and chromaticities	chromatic values	putities
			X Y Z x y z	x_{ab} y_{ab} z_{ab}	x_{ab} y_{ab} z_{ab}
00 386	51.50	23.94	74.68	0.343 0.159 0.497	111.1 -72.0 132.4 327
01 460	12.38	6.54	76.19	0.130 0.068 0.801	15.8 -86.3 87.8 280
02 465	12.41	9.58	78.25	0.123 0.095 0.780	3.7 -85.2 85.3 272
03 467	14.25	11.64	78.87	0.120 0.113 0.766	-4.2 -83.5 83.6 267
04 473	13.31	20.43	79.83	0.117 0.179 0.702	-35.1 -74.4 82.3 244
05 475	14.02	24.19	79.97	0.118 0.204 0.676	-46.9 -70.1 84.5 236
06 479	17.82	36.91	80.16	0.132 0.273 0.594	-80.9 -56.2 98.5 214
07 479	17.82	36.91	80.16	0.132 0.273 0.594	-80.9 -56.2 98.5 214
08 481	21.98	46.03	80.19	0.148 0.310 0.541	-99.2 -46.2 109.4 205
09 481	21.98	46.03	80.19	0.148 0.310 0.541	-99.2 -46.2 109.4 205
10 483C	27.52	55.03	80.21	0.169 0.338 0.492	-111.3 -36.3 117.2 198
11 484	28.85	57.21	79.07	0.174 0.346 0.478	-114.1 -33.0 118.8 196
12 489	25.36	57.41	57.70	0.180 0.408 0.410	-126.6 -6.4 126.7 182
13 497	22.33	57.50	36.81	0.191 0.492 0.315	-136.8 19.4 138.1 171
14 505	21.31	58.03	24.30	0.205 0.559 0.234	-141.4 35.3 145.8 165
15 512	21.41	58.69	18.79	0.216 0.593 0.190	-142.8 42.7 149.1 163
16 521G	22.42	59.91	14.10	0.232 0.621 0.146	-142.8 49.5 151.1 160
17 524	25.32	62.97	14.10	0.247 0.615 0.137	-142.6 52.6 152.0 159
18 539	30.29	66.55	7.57	0.290 0.637 0.072	-135.0 63.6 149.3 154
19 541	44.95	76.05	0.00	0.605 0.394 0.000	111.6 35.4 119.8 17
20 568	84.08	93.45	4.02	0.463 0.514 0.022	-15.4 88.7 90.1 99
21 568	84.08	93.45	4.02	0.463 0.514 0.022	-15.4 88.7 90.1 99
22 569	84.05	90.41	1.96	0.476 0.512 0.011	-3.4 87.6 87.7 92
23 570Y	84.00	88.35	1.33	0.483 0.508 0.007	4.4 85.9 86.1 87
24 573	83.15	79.56	0.38	0.509 0.487 0.002	35.4 76.8 84.6 65
25 575	82.44	75.20	0.24	0.520 0.478 0.001	47.2 72.7 86.7 56
26 580	78.64	63.07	0.05	0.554 0.444 0.000	81.2 58.5 100.1 35
27 580	78.64	63.07	0.05	0.554 0.444 0.000	81.2 58.5 100.1 35
28 585	74.48	53.96	0.02	0.579 0.420 0.000	99.5 48.6 110.7 26
29 590	68.94	44.96	0.00	0.605 0.394 0.000	111.6 35.4 119.8 19
30 592	67.61	42.78	1.14	0.606 0.383 0.010	114.4 35.4 119.8 17
31 694	71.10	42.58	22.52	0.522 0.312 0.165	126.9 8.7 127.2 3

U-D50 $x_w=0.000, y_w=0.000, z_w=0.000$
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DE73-7N
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DE73-3N

see similar files: <http://farbe.li.tu-berlin.de/DE73/DE73L0NP.PDF> /[.PS](http://farbe.li.tu-berlin.de/DE73/DE73L0NP.PDF)
technical information: <http://farbe.li.tu-berlin.de/DE73/DE73L0NP.PDF> /[.PS](http://farbe.li.tu-berlin.de/DE73/DE73L0NP.PDF)

TUB registration: 20180801-DE73/DE73L0NP.PDF /.PS
application for measurement of offset print output

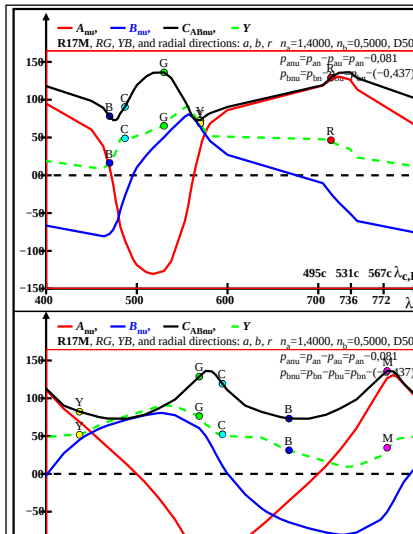
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R17M tristimulus values, chromatic values, and putities ($n=1.4, n_0=0.5$). Normalized Oswald (O) tristimulus values ($Y_w=100$), ordered by wavelength.											
no.	O	C	tristimulus values and chromaticities			n-chromatic values			n-putities		
			X	Y	Z	x	y	z	λ_B	λ_C	λ_M
00	373		50.84	23.58	64.46	0.366	0.169	0.464	113.4	-60.5	128.6
01	450		26.22	10.37	70.14	0.245	0.097	0.657	60.4	-77.6	98.3
02	463		19.81	9.03	72.37	0.195	0.089	0.715	38.4	-80.5	89.3
03	465		19.87	11.18	74.25	0.188	0.106	0.705	30.2	-80.3	85.8
04	470B		20.04	16.46	77.00	0.176	0.145	0.678	10.4	-77.5	78.2
05	474		20.76	23.15	78.71	0.169	0.188	0.641	-12.2	-71.9	72.9
06	477		22.69	31.32	79.75	0.169	0.234	0.596	-35.5	-64.0	73.2
07	479		24.27	35.77	80.07	0.173	0.255	0.571	-45.9	-59.7	75.2
08	481		28.86	45.22	80.48	0.186	0.292	0.520	-62.8	-49.9	80.3
09	482		30.21	48.30	79.14	0.191	0.306	0.501	-68.8	-45.0	82.2
10	487C		26.13	48.90	65.44	0.186	0.348	0.465	-86.2	-27.0	90.4
11	496		20.48	50.06	44.06	0.178	0.436	0.384	-111.4	1.1	111.4
12	500		20.60	52.31	38.55	0.184	0.469	0.345	-118.7	10.4	119.2
13	509		19.40	53.50	28.42	0.191	0.528	0.280	-126.9	24.2	129.2
14	511		21.83	56.54	28.46	0.204	0.529	0.266	-128.3	27.2	131.2
15	518		24.65	60.36	24.01	0.226	0.553	0.220	-130.6	36.4	135.5
16	530G		29.99	65.40	16.35	0.268	0.585	0.146	-126.5	50.4	136.1
17	538		43.18	76.41	16.37	0.317	0.562	0.120	-113.4	60.5	128.6
18	553		67.80	89.62	10.69	0.403	0.533	0.063	-60.4	77.6	98.3
19	557		74.22	90.96	8.45	0.427	0.523	0.048	-38.4	80.5	89.3
20	558		74.15	88.81	6.58	0.437	0.523	0.038	-30.2	80.3	85.8
21	561		73.98	83.52	3.84	0.458	0.517	0.023	-10.4	77.4	78.1
22	565		73.26	76.83	2.11	0.481	0.504	0.013	12.3	71.9	72.9
23	570		71.33	68.67	1.09	0.505	0.486	0.007	35.5	64.0	73.2
24	572		69.75	64.22	0.76	0.517	0.476	0.005	45.9	59.5	75.2
25	578		65.16	54.77	0.35	0.541	0.455	0.002	62.8	49.9	80.3
26	581		63.81	51.69	1.69	0.544	0.441	0.014	86.2	45.0	82.2
27	600		67.89	51.09	15.38	0.505	0.380	0.114	86.2	27.0	90.4
28	705		73.42	47.68	42.28	0.449	0.291	0.258	118.7	-10.4	119.2
29	717		74.62	46.49	52.41	0.449	0.267	0.302	126.9	-24.2	129.2
30	716		72.19	43.45	52.37	0.429	0.258	0.311	128.3	-27.2	131.2
31	723		69.37	39.63	56.82	0.418	0.238	0.342	130.6	-36.4	135.5
32	735		64.03	34.59	64.49	0.392	0.212	0.395	126.5	-50.4	136.2
33	743		50.84	23.58	64.46	0.366	0.169	0.464	113.4	-60.5	128.6
34	705		26.22	10.37	70.14	0.245	0.097	0.657	60.4	-77.6	98.3
U=D50			94.03	100.00	80.83	0.342	0.363	0.363	0.0	0.0	0.0

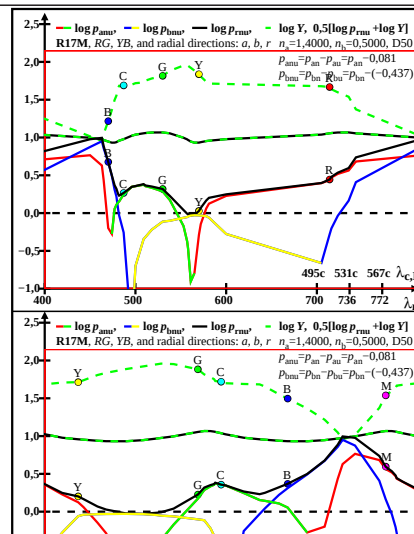
$$a^*P_{nm} = n_a P_n n_m [(b_{21} - b_{23})x + (b_{22} - b_{23})y + b_{23}] = 1.4(3.0757x - 2.5702y - 0.0960)/y$$
$$b^*P_{nm} = n_b P_n n_m [(b_{31} - b_{33})x + (b_{32} - b_{33})y + b_{33}] = 0.5(1.9906x + 3.8617y - 2.4046)/y$$

R17M tristimulus values, chromatic values, and putities ($n=1.4, n_0=0.5$). Normalized Oswald (O) tristimulus values ($Y_w=100$), ordered by wavelength.											
no.	O	C	tristimulus values and chromaticities			n-chromatic values			n-putities		
			X	Y	Z	x	y	z	λ_B	λ_C	λ_M
00	373		50.84	23.58	64.46	0.366	0.169	0.464	113.4	-60.5	128.6
01	450		26.22	10.37	70.14	0.245	0.097	0.657	60.4	-77.6	98.3
02	463		19.81	9.03	72.37	0.195	0.089	0.715	38.4	-80.5	89.3
03	465		19.87	11.18	74.25	0.188	0.106	0.705	30.2	-80.3	85.8
04	470B		20.04	16.46	77.00	0.176	0.145	0.678	10.4	-77.5	78.2
05	474		20.76	23.15	78.71	0.169	0.188	0.641	-12.2	-71.9	72.9
06	477		22.69	31.32	79.75	0.169	0.234	0.596	-35.5	-64.0	73.2
07	479		24.27	35.77	80.07	0.173	0.255	0.571	-45.9	-59.7	75.2
08	481		28.86	45.22	80.48	0.186	0.292	0.520	-62.8	-49.9	80.3
09	482		30.21	48.30	79.14	0.191	0.306	0.501	-68.8	-45.0	82.2
10	487C		26.13	48.90	65.44	0.186	0.348	0.465	-86.2	-27.0	90.4
11	496		20.48	50.06	44.06	0.178	0.436	0.384	-111.4	1.1	111.4
12	500		20.60	52.31	38.55	0.184	0.469	0.345	-118.7	10.4	119.2
13	509		19.40	53.50	28.42	0.191	0.528	0.280	-126.9	24.2	129.2
14	511		21.83	56.54	28.46	0.204	0.529	0.266	-128.3	27.2	131.2
15	518		24.65	60.36	24.01	0.226	0.553	0.220	-130.6	36.4	135.5
16	530G		29.99	65.40	16.35	0.268	0.585	0.146	-126.5	50.4	136.1
17	538		43.18	76.41	16.37	0.317	0.562	0.120	-113.4	60.5	128.6
18	553		67.80	89.62	10.69	0.403	0.533	0.063	-60.4	77.6	98.3
19	557		74.22	90.96	8.45	0.427	0.523	0.048	-38.4	80.5	89.3
20	558		74.15	88.81	6.58	0.437	0.523	0.038	-30.2	80.3	85.8
21	561		73.98	83.52	3.84	0.458	0.517	0.023	-10.4	77.4	78.1
22	565		73.26	76.83	2.11	0.481	0.504	0.013	12.3	71.9	72.9
23	570		71.33	68.67	1.09	0.505	0.486	0.007	35.5	64.0	73.2
24	572		69.75	64.22	0.76	0.517	0.476	0.005	45.9	59.5	75.2
25	578		65.16	54.77	0.35	0.541	0.455	0.002	62.8	49.9	80.3
26	581		63.81	51.69	1.69	0.544	0.441	0.014	86.2	45.0	82.2
27	600		67.89	51.09	15.38	0.505	0.380	0.114	86.2	27.0	90.4
28	705		73.42	47.68	42.28	0.449	0.291	0.258	118.7	-10.4	119.2
29	717		74.62	46.49	52.41	0.449	0.267	0.302	126.9	-24.2	129.2
30	716		72.19	43.45	52.37	0.429	0.258	0.311	128.3	-27.2	131.2
31	723		69.37	39.63	56.82	0.418	0.238	0.342	130.6	-36.4	135.5
32	735		64.03	34.59	64.49	0.392	0.212	0.395	126.5	-50.4	136.2
33	743		50.84	23.58	64.46	0.366	0.169	0.464	113.4	-60.5	128.6
34	705		26.22	10.37	70.14	0.245	0.097	0.657	60.4	-77.6	98.3
U=D50			100.00	0.081	-0.437	0.445	280	0.0	0.0	0.0	0

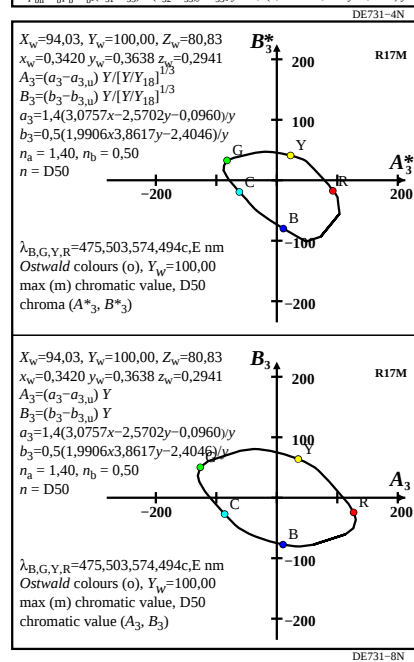
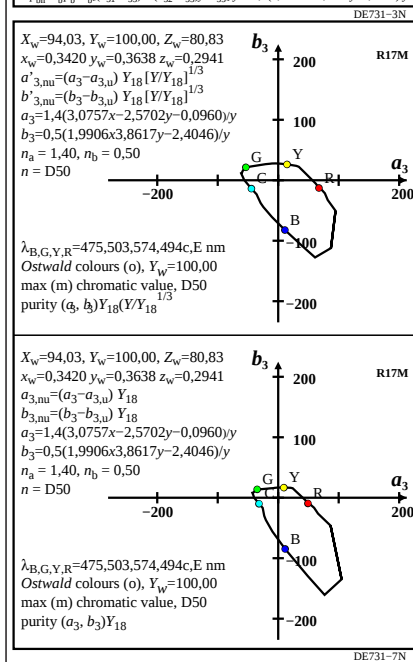
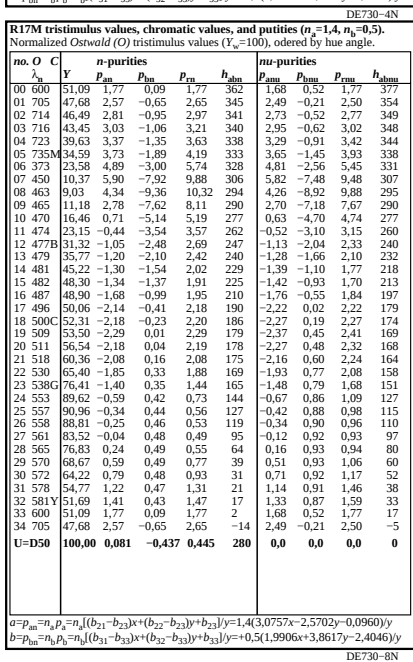
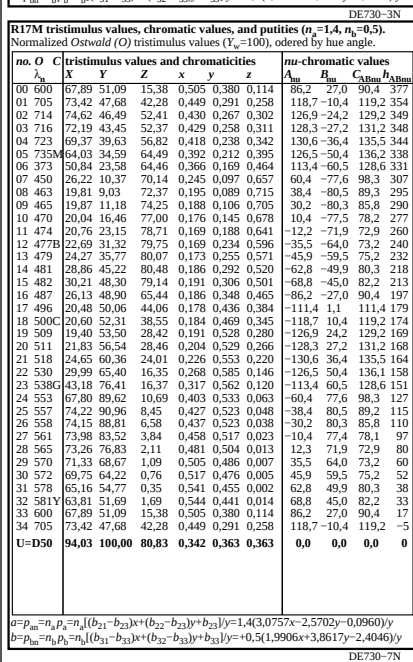
$$a^*P_{nm} = n_a P_n n_m [(b_{21} - b_{23})x + (b_{22} - b_{23})y + b_{23}] = 1.4(3.0757x - 2.5702y - 0.0960)/y$$
$$b^*P_{nm} = n_b P_n n_m [(b_{31} - b_{33})x + (b_{32} - b_{33})y + b_{33}] = 0.5(1.9906x + 3.8617y - 2.4046)/y$$



$$X_w=94.03, Y_w=100.00, Z_w=80.83$$
$$x_w=0.3420, y_w=0.3638, z_w=0.2941$$
$$a^*_{3,m}=(a^*_3-a^*_{3,w}) Y_{18}/[Y/Y_{18}]^{1/3}$$
$$b^*_{3,m}=(b^*_3-b^*_{3,w}) Y_{18}/[Y/Y_{18}]^{1/3}$$
$$a^*_3=1.4(3.0757x-2.5702y-0.0960)/y$$
$$b^*_3=0.5(1.9906x+3.8617y-2.4046)/y$$
$$n_a=1.40, n_b=0.50$$
$$n=D50$$



$$X_w=94.03, Y_w=100.00, Z_w=80.83$$
$$x_w=0.3420, y_w=0.3638, z_w=0.2941$$
$$a^*_{3,m}=(a^*_3-a^*_{3,w}) Y_{18}/[Y/Y_{18}]^{1/3}$$
$$b^*_{3,m}=(b^*_3-b^*_{3,w}) Y_{18}/[Y/Y_{18}]^{1/3}$$
$$a^*_3=1.4(3.0757x-2.5702y-0.0960)/y$$
$$b^*_3=0.5(1.9906x+3.8617y-2.4046)/y$$
$$n_a=1.40, n_b=0.50$$
$$n=D50$$



TUB-test chart DE73; 4 CIE and 2 R17M observers, colorimetric calculations of chromatic values
purity definition: $a=1.4[3.0757x-2.5702y-0.0960]/y$, $b=0.5[1.9906x+3.8617y-2.4046]/y$

R17Ms tristimulus values, chromatic values, and putities ($\gamma=1.4$, $\Delta=0.5$)											
Normalized Ostwald (O_{Ost}) tristimulus values ($Y_{\text{Ost}}=100$, ordered by wavelength)											
no.	C	tristimulus values and chromaticities				non-chromatic values and chromaticities					
		X	Y	Z	χ	χ	χ	χ	R_g	C_{94}	P_{ADM}
00	375	52.09	25.14	67.62	35.29	0.173	0.466	112.5	-6.27	128.8	33.0
01	444	72.16	9.33	67.62	0.260	0.089	0.648	68.7	-76.0	102.4	312
02	463	21.19	9.55	72.48	0.205	0.092	0.702	42.3	-80.1	90.8	293
03	465	21.27	11.71	74.36	0.198	0.109	0.692	34.1	-80.1	87.9	293
04	468	17.17	17.00	72.48	0.167	0.143	0.635	14.3	-79.7	86.3	293
05	472	22.09	23.68	78.83	0.177	0.190	0.632	0.5	-71.7	72.2	263
06	476	22.83	27.59	79.42	0.175	0.212	0.611	-20.3	-68.0	70.0	253
07	479	25.44	36.25	80.19	0.179	0.255	0.565	-42.9	-59.3	73.0	234
08	480	27.41	40.88	80.43	0.184	0.274	0.540	-51.5	-54.6	75.4	226
09	482	29.38	45.57	80.67	0.189	0.298	0.516	-59.8	-49.9	77.8	217
10	482	31.14	48.71	79.26	0.195	0.306	0.485	-66.0	-44.8	79.8	214
11	488	25.43	49.09	60.78	0.186	0.363	0.450	-50.0	-20.9	92.4	193
12	496	20.67	50.20	44.12	0.179	0.436	0.383	-110.6	1.2	110.6	179
13	500	20.63	52.39	38.61	0.184	0.469	0.345	-118.3	10.4	118.8	174
14	505	20.59	54.30	33.36	0.190	0.500	0.308	-124.1	18.7	125.5	171
15	510	20.56	56.19	28.12	0.196	0.532	0.270	-129.8	27.0	130.9	169
16	522G	23.24	59.39	19.95	0.226	0.578	0.194	-131.6	40.5	137.7	162
17	530	29.26	65.19	16.37	0.264	0.588	0.147	-128.1	50.7	137.6	158
18	540	31.69	74.85	13.32	0.321	0.586	0.102	-112.5	62.3	128.8	150
19	552	36.62	90.06	13.33	0.390	0.531	0.078	-68.6	76.0	102.4	132
20	558	40.90	94.44	13.32	0.457	0.527	0.049	-42.3	80.1	90.8	117
21	558	42.71	88.28	6.59	0.433	0.527	0.039	-34.1	80.1	87.9	113
22	561	72.35	82.98	3.84	0.454	0.521	0.024	-1.4	77.2	78.5	100
23	565Y	71.29	86.31	2.11	0.477	0.508	0.014	8.5	71.6	72.1	83
24	567	70.94	72.40	1.53	0.489	0.499	0.010	20.4	67.9	70.9	73
25	568	63.63	63.63	0.76	0.527	0.492	0.005	42.3	60.8	63.6	69
26	575	66.36	59.12	0.52	0.526	0.469	0.004	51.9	54.6	75.3	46
27	578	63.90	54.33	0.35	0.538	0.458	0.002	59.8	49.7	77.8	39
28	581	62.64	52.18	1.69	0.541	0.443	0.014	65.0	44.8	79.8	34
29	614R	68.65	50.50	20.17	0.491	0.364	0.044	90.0	20.9	92.4	13
30	615	68.65	49.05	20.17	0.491	0.359	0.042	81.2	20.9	92.4	13
31	710	73.15	47.60	42.34	0.448	0.291	0.259	118.4	-10.4	118.8	354
32	710	73.19	45.95	47.59	0.438	0.275	0.285	124.1	-18.7	125.5	351
33	710	73.40	44.17	56.94	0.420	0.253	0.326	130.5	-32.0	134.4	346
34	725	73.53	40.59	61.00	0.409	0.235	0.354	131.6	-40.5	137.3	342
35	737G	64.51	34.79	64.58	0.393	0.212	0.394	128.1	-50.3	137.7	338
36	752	52.25	25.14	67.62	0.359	0.227	0.429	112.5	-6.27	128.8	330
37	859	21.16	9.33	67.62	0.260	0.089	0.649	68.7	-76.0	102.4	312
U	D50	93.78	100.00	80.84	0.341	0.363	0.663	0.0	0.0	0.0	0.0

D7E-30												
R17M8 trisulphur values, chromatic values, and putities ($n_{\text{O}} = 10, n_{\text{O}} = 85$)												
Normalized Ostwald (O_{Ost}) trisulphur values ($T_{\text{Ost}} = 100$), ordered by hue												
no.	chromatic values and chromaticities						nu-chromatic values					
	X	Y	Z	x	y	z	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆
00 614	68.65	50.90	20.17	0.491	0.364	0.144	90.0	20.9	92.4	37.3	37.3	37.3
01 701	73.15	47.79	36.82	0.457	0.311	0.230	110.6	-1.2	110.6	35.9		
02 705	73.15	49.60	42.34	0.448	0.391	0.259	118.4	-0.4	118.8	35.4		
03 710	73.15	49.95	47.59	0.438	0.375	0.265	124.1	-0.7	125.5	35.1		
04 715	73.15	44.74	47.33	0.424	0.344	0.265	130.5	-0.8	131.9	34.8		
05 727M	70.53	40.59	61.00	0.409	0.235	0.354	131.6	-40.5	137.7	34.2		
06 735	65.51	34.79	64.58	0.393	0.212	0.394	128.1	-50.3	137.7	33.8		
07 735	52.09	25.14	67.62	0.359	0.173	0.466	112.5	-62.7	128.8	33.0		
08 745	46.17	16.93	67.62	0.344	0.165	0.493	108.4	-65.0	128.8	32.6		
09 463	21.27	9.55	72.48	0.205	0.092	0.702	42.3	-80.3	90.8	29.7		
10 465	21.27	11.71	74.36	0.198	0.109	0.692	34.1	-80.1	87.1	29.3		
11 470	22.09	13.01	77.11	0.185	0.147	0.667	34.1	-77.2	78.6	28.6		
12 478	22.09	23.68	78.83	0.177	0.190	0.632	-8.5	-71.7	71.2	26.3		
13 479	22.09	27.72	78.83	0.170	0.210	0.620	-12.5	-69.9	70.8	26.3		
14 475	25.44	36.25	80.19	0.179	0.255	0.565	-42.5	-59.3	70.3	23.4		
15 480	27.41	40.88	80.43	0.184	0.274	0.540	-51.9	-54.6	75.4	22.6		
16 481	29.88	46.56	80.60	0.191	0.292	0.516	-59.8	-49.7	77.8	21.9		
17 481	31.14	48.71	79.26	0.195	0.306	0.498	-66.0	-44.8	79.8	21.4		
18 490	31.14	49.95	79.26	0.195	0.316	0.490	-66.0	-44.8	79.8	21.4		
19 496	20.67	50.20	44.12	0.179	0.436	0.383	-110.6	1.2	110.6	35.9		
20 500	20.63	52.39	38.61	0.184	0.469	0.345	-118.3	-0.4	118.8	35.4		
21 500	25.59	54.04	33.36	0.190	0.500	0.308	-124.1	-0.7	125.5	35.1		
22 502	25.59	55.82	33.36	0.190	0.517	0.290	-128.1	-0.8	128.8	35.0		
23 520G	23.24	59.39	19.95	0.226	0.578	0.194	-131.6	-40.5	137.7	34.2		
24 530	29.26	65.19	16.37	0.264	0.588	0.147	-128.1	-50.3	137.7	33.8		
25 540	41.69	74.85	13.32	0.321	0.576	0.102	-112.5	-62.7	128.8	33.0		
26 552	66.62	90.06	13.33	0.390	0.533	0.078	-68.6	-76.0	102.4	13.2		
27 558	90.06	90.06	13.33	0.433	0.533	0.039						
28 552	72.51	88.28	6.59	0.433	0.527	0.039	34.1	-80.1	87.0	13.1		
29 565	72.35	82.98	3.84	0.454	0.521	0.024	-14.2	-77.2	78.5	10.0		
30 565	71.69	86.31	2.11	0.477	0.508	0.014	-8.5	-71.6	72.1	8.3		
31 567	70.94	72.40	1.53	0.489	0.499	0.010	20.4	-67.9	70.9	7.3		
32 568	68.65	63.12	0.76	0.476	0.476	0.005	51.9	-64.5	70.5	6.4		
33 575	66.36	59.11	0.52	0.526	0.469	0.004	20.4	-54.9	75.3	4.6		
34 578	63.90	54.33	0.35	0.538	0.458	0.002	59.8	-49.7	77.8	3.9		
35 581	62.64	51.28	1.69	0.541	0.443	0.014	66.0	-44.8	79.8	3.4		
36 582	60.90	48.28	1.00	0.533	0.433	0.024	124.1	-0.7	125.5	3.3		
37 701	73.15	47.79	36.82	0.457	0.311	0.230	110.6	-1.2	110.6	0		
U-D50	93.78	100.00	80.94	0.341	0.363	0.633	0.0	0.0	0.0	0.0	0.0	0.0

$$a=p_{an}=n_a p_a=n_a[(b_{21}-b_{23})x+(b_{22}-b_{23})y+b_{23}]/y=1,4(3,0757x-2,5702y-0,0960)/y$$

R17Ms trispectrum values, chromatic values, and putities ($\gamma = \pm 1, 4, \dots, 0.5$) Normalized <i>Ostwald</i> (O) trispectrum values ($\gamma = 1, \dots, 10$), ordered by wavelength.												
no.	O	C	γ putities					γ putities				
			γ	p_{stat}	p_{stat}	p_{stat}	p_{stat}	h_{stat}	h_{stat}	h_{stat}	h_{stat}	
00	375	23.14	7.54	-2.93	4.41	2.49	-2.49	1.22	1.22	1.22	1.22	
01	444	95.33	74.3	-8.58	11.36	310	7.46	-8.14	10.98	312	1.20	
02	463	95.55	5.40	-8.85	9.93	296	4.43	-8.84	9.51	297	0.97	
03	465	11.71	2.99	-7.28	7.87	292	2.92	-6.84	7.44	293	0.93	
04	468	17.01	0.91	-5.45	5.96	289	0.91	-5.09	5.74	290	0.92	
05	474	23.68	-0.28	-3.46	4.47	265	-0.35	-3.02	3.04	263	0.93	
06	476	27.59	-0.66	-2.90	2.97	257	-0.73	-2.46	2.57	253	0.93	
07	479	36.25	-1.10	-2.07	2.35	242	-1.17	-1.63	2.01	234	0.93	
08	480	48.88	-1.20	-1.77	2.14	235	-1.27	-1.33	1.84	226	0.93	
09	481	45.66	-1.11	-1.66	1.96	206	-1.31	-1.09	1.74	202	0.93	
10	482	48.71	-1.28	-1.36	1.87	226	-1.35	-0.92	1.63	114	0.93	
11	488	49.09	-1.76	-0.86	1.96	206	-1.83	-0.42	1.88	193	0.93	
12	496	50.20	-2.13	-0.41	2.17	190	-2.20	0.02	2.20	179	0.93	
13	500	52.39	-1.18	-0.23	2.20	186	-2.25	0.19	2.26	174	0.93	
14	505	54.04	-2.22	-0.09	2.22	182	-2.29	0.34	2.32	171	0.93	
15	508	55.82	-2.22	0.14	2.22	183	-2.33	0.57	2.33	168	0.93	
16	522G	59.39	-2.14	0.24	2.15	173	-2.21	0.68	2.31	162	0.93	
17	530	65.19	-1.89	0.33	1.92	170	-1.96	0.77	2.11	158	0.93	
18	540	74.85	-1.43	0.39	1.48	164	-1.50	0.83	1.72	150	0.93	
19	552	80.66	-0.68	0.39	1.79	149	-0.75	0.83	1.13	132	0.93	
20	558	90.44	-0.39	0.43	1.64	137	-0.47	0.89	1.37	127	0.93	
21	558	88.28	-0.31	0.46	0.56	124	-0.38	0.90	0.98	113	0.93	
22	561	82.98	-0.10	0.49	0.50	101	-0.17	0.93	0.94	100	0.93	
23	565Y	76.31	0.18	0.50	0.53	69	-0.11	0.93	0.94	83	0.93	
24	567	72.40	0.33	0.50	0.61	54	0.28	0.93	0.98	73	0.93	
25	567	63.74	0.73	0.50	0.68	46	0.66	0.95	0.98	54	0.93	
26	575	59.11	0.94	0.48	1.06	27	0.87	0.92	1.27	46	0.93	
27	578	54.18	1.17	0.47	1.26	22	1.10	0.91	1.43	39	0.93	
28	581	51.28	1.35	0.43	1.42	17	1.28	0.87	1.55	34	0.93	
29	614R	50.40	1.84	-0.02	1.84	359	1.76	0.41	1.81	13	0.93	
30	618	49.79	2.20	-0.02	2.33	332	2.07	0.49	2.12	359	0.93	
31	705	47.60	2.55	-0.65	2.64	345	2.48	-0.22	2.49	359	0.93	
32	710	45.95	2.77	-0.84	2.89	343	2.70	-0.40	2.73	351	0.93	
33	720	44.17	3.02	-1.16	3.24	338	2.95	-0.72	3.04	346	0.93	
34	727	40.59	3.31	-1.43	3.61	336	3.24	-0.99	3.39	342	0.93	
35	735M	34.79	3.75	-1.88	4.20	333	3.68	-1.44	3.95	338	0.93	
36	738	25.14	4.54	-2.44	5.06	327	4.47	-2.49	5.11	330	0.93	
37	809	9.33	7.43	-8.58	11.36	310	7.36	-8.14	10.98	312	0.93	
U=50	10.00	0.070	-0.438	0.434	279	0.0	0.0	0.0	0.0	0.0	0.0	

$$\begin{aligned} q^*P_{m1}P_{m2}P_{m3} &= P_{m1}((b_{21}-b_{22})+(b_{22}-b_{23})+(b_{23})_{12})=1.4(0.3757x-2.5702y-0.0960y) \\ q^*P_{m1}P_{m2}P_{m3} &= P_{m1}((b_{31}-b_{32})+(b_{32}-b_{33})+(b_{33})_{13})=0.51.9906x+3.8617y-2.4046(y) \end{aligned}$$

DE70-4N

R17Ms trisulimulus values, chromatic values, and purities ($N_A = N_B = 0.5$).

Normalized Ostwald (O_{std}) trisulimulus values ($Y_{std} = 100$) derived by hue angle.

n_o	O	C	n -purities				m -purities			
			Y_{std}	P_{lm}	P_m	h_{std}	Y_{std}	P_{lm}	P_m	h_{lm}
00	614	4.90	1.84	-0.02	1.84	359	1.76	0.41	1.81	373
01	701	49.79	2.29	-0.46	2.33	348	2.22	-0.02	2.22	359
02	705	47.60	2.55	-0.65	2.64	345	2.48	-0.22	2.49	354
03	710	45.95	2.77	-0.84	2.89	343	2.70	-0.40	2.73	351
04	714	44.17	0.2	-1.45	3.02	342	3.02	-0.84	3.02	346
05	727M	44.59	3.31	-1.43	3.61	336	3.24	-0.39	3.39	342
06	735	34.79	3.75	-1.88	4.20	333	3.68	-1.44	3.95	338
07	375	25.14	4.54	-2.93	5.41	327	4.47	-2.49	5.12	330
08	484	9.33	7.7	-4.35	11.36	326	7.64	-4.84	10.4	312
09	463	9.55	4.50	-8.85	9.93	296	4.43	-8.41	9.51	297
10	465	11.71	2.99	-7.28	7.87	292	2.92	-6.84	7.94	293
11	470	14.71	0.91	-4.98	5.06	280	0.84	-4.54	4.62	280
12	474B	23.68	-0.28	-3.46	3.47	265	-0.35	-3.02	3.04	263
13	478	27.59	-0.1	-2.59	2.6	260	-0.1	-2.59	2.6	260
14	479	36.25	-1.10	-2.07	2.35	242	-1.17	-1.63	2.01	234
15	480	48.88	-1.20	-1.77	2.14	235	-1.27	-1.33	1.84	226
16	481	45.66	-1.24	-1.52	1.96	230	-1.31	-1.09	1.70	219
17	488	47.81	-1.28	-1.36	1.87	226	-1.35	-0.92	1.63	214
18	493	49.09	-1.1	-1.4	1.96	223	-1.23	-0.48	1.6	206
19	496	50.29	-2.13	-0.41	2.17	190	-2.20	0.02	2.20	179
20	540	52.0	-1.18	-0.23	2.20	186	-2.25	0.19	2.26	174
21	505	54.04	-2.22	-0.09	2.22	182	-2.29	0.34	2.32	171
22	552	55.82	-2.26	0.3	2.27	165	-2.33	0.42	2.34	166
23	522G	59.39	-2.14	0.24	2.15	173	-2.21	0.68	2.31	162
24	530	65.19	-1.89	0.33	1.92	170	-1.96	0.77	2.11	158
25	540	74.85	-1.43	0.39	1.48	164	-1.50	0.83	1.72	150
26	552	80.66	-0.68	0.39	1.79	149	-0.75	0.83	1.13	132
27	558	90.44	-0.39	0.4	1.96	140	-0.76	0.89	1.17	117
28	558	88.28	-0.31	0.46	0.56	124	-0.38	0.90	0.98	113
29	561	82.98	-0.10	0.49	0.50	101	-0.11	0.93	0.94	100
30	565	76.31	0.18	0.50	0.53	69	0.17	0.93	0.94	83
31	567	72.40	0.35	0.50	0.61	54	0.28	0.93	0.98	73
32	575	63.74	0.74	0.51	0.61	46	0.66	0.93	0.98	54
33	575	59.11	0.94	0.48	1.06	27	0.87	0.92	1.27	46
34	578	54.33	1.17	0.47	1.26	22	1.10	0.91	1.43	39
35	581	51.28	1.35	0.43	1.47	17	1.28	0.87	1.55	34
36	581	50.90	1.84	0.44	1.84	9	1.76	0.81	1.84	20
37	581	49.79	2.29	-0.46	2.33		2.22	-0.02	2.22	0

T=U50 100.00 0.070 -0.438 0.443 279 0.0 0.0 0.0 0.0

$$b = p_{\text{an}} = n_p \cdot n_{\text{a}} \cdot [(b_{21} - b_{23})x + (b_{22} - b_{23})y + b_{23}] / y = 1,4(3,0757x - 2,5702y - 0,0960) / y$$
