

CIE02 trisulim values, chromatic values, and putities ($n_1=2.5, n_2=-1.0$).

Normalized Ostwald (O) trisulim values ($Y_0=100$), ordered by wavelength.

no.	O	C trisulim values and chromaticities				n-chromatic values					
		λ_n	X	Y	Z	λ_m	B_m	C_{ABm}	n_{ABm}		
00	396	31.24	12.19	76.69	0.260	0.101	0.638	-48.7	-66.6	82.6	306
01	403	33.54	32.34	78.13	0.135	0.064	0.799	-72.9	75.9	283	170
02	466	13.27	8.01	79.21	0.132	0.079	0.788	13.8	-72.6	73.9	280
03	471	13.39	12.66	80.68	0.125	0.118	0.755	29	-70.2	70.3	272
04	475B	14.00	19.21	81.44	0.122	0.167	0.710	-11.2	-65.6	66.5	260
05	479	15.61	27.50	81.85	0.124	0.220	0.655	-27.1	-59.2	65.1	245
06	481	18.42	36.66	82.05	0.134	0.267	0.598	-42.2	-51.9	66.8	230
07	483	20.35	41.45	82.11	0.141	0.288	0.570	-48.9	-48.0	68.5	224
08	484	22.64	46.29	82.14	0.149	0.306	0.543	-54.8	-44.0	70.3	218
09	485	25.29	51.06	82.16	0.159	0.322	0.518	-59.6	-40.1	71.9	213
10	486C	26.62	57.81	81.62	0.175	0.341	0.482	-65.1	-34.0	73.5	207
11	490	26.32	58.17	83.51	0.177	0.393	0.429	-74.2	-15.6	75.8	191
12	497	23.01	58.66	42.48	0.185	0.472	0.342	-83.6	5.7	83.8	176
13	501	22.62	59.57	35.18	0.192	0.507	0.299	-86.8	3.7	87.9	170
14	506	22.26	60.29	28.28	0.200	0.543	0.255	-89.4	2.12	91.9	166
15	519	21.83	61.02	17.06	0.218	0.610	0.170	-92.3	33.1	98.0	160
16	522G	24.04	63.42	17.06	0.230	0.606	0.163	-92.5	35.0	99.0	159
17	535	27.22	66.19	9.71	0.263	0.641	0.094	-91.2	44.7	101.6	153
18	544	35.20	72.16	7.33	0.306	0.629	0.063	-85.7	52.0	100.2	148
19	561	65.07	87.80	5.54	0.410	0.554	0.034	-48.6	66.6	82.5	126
20	568	83.05	93.65	4.13	0.459	0.517	0.022	-17.8	72.8	75.9	103
21	569	83.03	91.98	3.02	0.466	0.516	0.016	-13.8	72.6	73.9	100
22	573	82.92	87.33	1.55	0.482	0.508	0.009	-2.9	70.2	70.3	92
23	577Y	82.30	80.76	0.80	0.502	0.492	0.004	11.3	65.6	66.5	80
24	577	80.69	72.49	0.38	0.525	0.472	0.002	27.2	59.2	65.1	65
25	581	77.87	63.33	0.18	0.550	0.447	0.001	42.2	51.8	66.9	50
26	583	75.96	58.54	0.13	0.564	0.434	0.000	48.9	48.0	68.5	44
27	585	73.67	53.70	0.09	0.577	0.421	0.000	54.9	44.0	70.4	38
28	587	71.01	48.93	0.07	0.591	0.407	0.000	59.7	40.1	72.0	33
29	592R	66.69	42.18	0.61	0.609	0.385	0.005	65.1	34.0	73.5	27
30	631	69.99	41.82	18.71	0.536	0.320	0.143	74.3	15.6	75.9	11
31	702	73.30	41.33	39.75	0.474	0.267	0.257	83.7	-5.7	83.9	356
32	706	73.69	40.41	47.04	0.457	0.250	0.291	86.9	-13.8	88.0	350
33	711	74.05	39.70	53.95	0.441	0.236	0.321	89.5	-21.3	92.0	346
34	724	72.26	36.57	65.17	0.415	0.218	0.364	92.6	-35.1	94.1	340
35	727M	72.36	36.57	65.17	0.415	0.210	0.374	92.6	-35.1	93.0	339
36	740	69.08	33.80	72.53	0.393	0.192	0.413	91.3	-44.7	101.7	333
37	749	61.10	27.83	74.91	0.372	0.169	0.457	85.7	-52.0	100.3	328
38	766	31.24	12.19	76.69	0.260	0.101	0.638	-48.7	-66.6	82.6	306
39	828	13.25	6.34	78.11	0.135	0.064	0.799	17.8	-72.8	75.9	283

$$U=D50 \quad 96.31 \quad 99.99 \quad 82.24 \quad 0.345 \quad 3.358 \quad 3.358 \quad A_0 = (a-o) \quad Y \quad C_{ABm} = [A_m^2 + B_m^2]^{1/2}$$

$$b=P_{m1}n_1P_{m2} = -1.0, (0.000x+0.000+1.000z)/y \quad B_m = (b-b_0) \quad Y \quad h_{ABm} = \text{atan}([B_m/A_m])$$

DE690-3N

CIE02 trisulim values, chromatic values, and putities ($n_1=2.5, n_2=-1.0$).

Normalized Ostwald (O) trisulim values ($Y_0=100$), ordered by wavelength.

no.	O	Y	n-purities				nu-purities			
			P_{an}	P_{bn}	P_{rn}	h_{abn}	P_{am}	P_{bm}	P_{rm}	h_{abm}
00	396	12.19	6.40	-6.29	8.97	315	3.99	-5.46	6.77	306
01	403	6.34	5.11	-12.32	13.38	292	2.81	-11.49	11.83	283
02	466	8.01	1.14	-9.88	10.72	292	1.73	-9.06	9.23	280
03	471	12.66	2.64	-6.37	6.89	292	0.23	-5.55	5.55	272
04	475B	19.21	1.82	-4.23	4.61	293	-0.58	-3.41	3.46	260
05	479	27.50	1.41	-2.97	3.29	295	-0.98	-2.15	2.36	245
06	481	36.66	1.25	-2.23	2.56	299	-1.15	-1.41	1.82	230
07	483	41.45	1.22	-1.98	2.33	301	-1.17	-1.15	1.65	224
08	484	46.29	1.22	-1.77	2.15	304	-1.18	-0.95	1.51	218
09	485	51.06	1.23	-1.60	2.03	307	-1.16	-0.78	1.40	213
10	486C	57.81	1.28	-1.41	1.90	312	-1.12	-0.58	1.27	207
11	490	58.17	1.13	-1.09	1.57	316	-1.27	-0.26	1.30	191
12	497	58.66	0.98	-0.72	1.32	323	-1.42	0.09	1.43	176
13	501	59.57	0.94	-0.59	1.11	328	-1.45	0.23	1.47	170
14	506	60.29	0.92	-0.46	1.03	333	-1.48	0.35	1.52	166
15	519	61.02	0.89	-0.27	0.93	342	-1.51	0.54	1.60	160
16	522G	63.42	0.94	-0.26	0.98	344	-1.45	0.55	1.56	159
17	535	66.19	1.02	-0.14	1.03	351	-1.37	0.67	1.53	153
18	544	72.16	1.21	-0.10	1.22	355	-1.18	0.72	1.38	148
19	561	87.80	1.85	-0.06	1.85	358	-0.55	0.75	0.94	126
20	568	93.65	2.21	-0.04	2.21	358	-0.19	0.77	0.80	103
21	569	91.98	2.25	-0.03	2.25	359	-0.15	0.78	0.80	100
22	571	87.33	2.37	-0.01	2.37	359	-0.03	0.80	0.80	92
23	573Y	80.76	2.54	-0.00	2.54	359	-0.14	0.81	0.82	80
24	577	72.49	2.78	-0.00	2.78	359	0.37	0.81	0.89	65
25	581	63.33	3.07	-0.00	3.07	359	0.66	0.81	1.05	50
26	583	58.54	3.24	-0.00	3.24	359	0.83	0.82	1.17	44
27	585	53.70	3.24	-0.00	3.24	359	1.02	0.82	1.31	38
28	587	48.93	3.62	-0.00	3.62	359	1.22	0.82	1.47	33
29	592R	42.18	3.95	-0.01	3.95	359	1.54	0.80	1.74	27
30	631	41.82	4.18	-0.44	4.20	353	1.77	0.37	1.81	11
31	702	41.33	4.43	-0.96	4.53	347	2.02	-0.13	2.03	356
32	706	40.41	4.55	-1.16	4.70	345	2.15	-0.34	2.17	350
33	711	39.70	4.66	-1.35	4.85	343	2.25	-0.53	2.31	346
34	724	38.97	4.77	-1.67	5.06	340	2.53	-0.85	2.51	340
35	727M	36.57	4.94	-1.78	5.25	340	2.53	-0.95	2.70	339
36	740	33.80	5.11	-2.14	5.54	337	2.70	-1.32	3.00	333
37	749	27.83	5.48	-2.69	6.11	333	3.08	-1.86	3.00	328
38	766	12.19	6.40	-6.29	8.97	315	3.99	-5.46	6.77	306
39	828	6.34	5.22	-12.32	13.38	292	2.81	-11.49	11.83	283

$$U=D50 \quad 99.99 \quad 2.407 \quad -0.822 \quad 2.543 \quad 341 \quad 0.0 \quad 0.0 \quad 0.0 \quad 0.0$$

$$a=P_{m1}n_1P_{m2} = -2.5, (1.000x+0.000+0.000z)/y \quad A_m = (a-o) \quad Y \quad C_{ABm} = [A_m^2 + B_m^2]^{1/2}$$

$$b=P_{m1}n_1P_{m2} = -1.0, (0.000x+0.000+1.000z)/y \quad B_m = (b-b_0) \quad Y \quad h_{ABm} = \text{atan}([B_m/A_m])$$

DE690-4N

CIE02 trisulim values, chromatic values, and putities ($n_1=2.5, n_2=-1.0$).

Normalized Ostwald (O) trisulim values ($Y_0=100$), ordered by hue angle.

Normalized Ostwald primary standards values (% 100) derived by the matrix method											
no.	O	C trisulim values and chromaticities				n-chromatic values					
		λ_n	X	Y	Z	λ_m	B_m	C_{ABm}	n_{ABm}		
00	631	69.99	41.82	18.71	0.536	0.320	0.143	74.3	15.6	75.9	371
01	702	73.30	41.33	39.75	0.474	0.267	0.257	83.7	-5.7	83.9	356
02	706	73.69	40.41	47.04	0.457	0.250	0.291	86.9	-13.8	88.0	350
03	711	74.05	39.70	53.95	0.441	0.236	0.321	89.5	-21.3	92.0	346
04	724	74.48	38.97	65.18	0.416	0.218	0.364	92.3	-33.1	98.1	340
05	727M	72.26	36.57	65.17	0.415	0.210	0.374	92.6	-35.1	93.0	339
06	740	69.08	33.80	72.53	0.393	0.192	0.413	91.3	-44.7	101.7	333
07	749	61.10	27.83	74.91	0.372	0.169	0.457	85.7	-52.0	100.3	328
08	396	31.24	12.19	76.69	0.260	0.101	0.638	-48.7	-66.6	82.6	306
09	463	13.25	6.34	78.11	0.135	0.064	0.799	17.8	-72.8	75.9	283
10	466	13.27	8.01	79.21	0.132	0.079	0.788	13.8	-72.6	73.9	280
11	471	13.39	12.66	80.68	0.125	0.118	0.755	29	-70.2	70.3	272
12	475B	14.00	19.21	81.44	0.122	0.167	0.710	-11.2	-65.6	66.5	260
13	479	15.61	27.50	81.85	0.124	0.220	0.655	-27.1	-59.2	65.1	245
14	481	18.42	36.66	82.05	0.134	0.267	0.598	-42.2	-51.9	66.8	230
15	483	20.35	41.45	82.11	0.141	0.288	0.570	-48.9	-48.0	68.5	224
16	484	22.64	46.29	82.14	0.149	0.306	0.543	-54.8	-44.2	70.4	218
17	485	25.29	51.06	82.16	0.159	0.322	0.518	-59.6	-40.1	71.9	213
18	486C	29.62	57.81	81.62	0.175	0.341	0.481	-65.1	-34.0	73.5	207
19	490	26.32	58.17	63.51	0.177	0.393	0.429	-74.2	-15.6	75.8	191
20	497	23.01	58.66	42.48	0.185	0.472	0.342	-83.6	5.7	83.8	176
21	501	22.62	59.57	35.18	0.192	0.507	0.299	-86.8	13.7	87.9	170
22	506	22.26	60.29	28.28	0.200	0.543	0.255	-89.4	21.2	91.9	166
23	519C	21.83	61.02	17.06	0.218	0.610	0.170	-92.3	33.1	98.0	160
24	522	24.04	63.42	17.06	0.230	0.606	0.163	-92.5	35.0	99.0	159
25	535	27.67	66.19	9.71	0.263	0.641	0.094	-91.2	44.7	101.6	153
26	540	35.20	69.10	7.33	0.301	0.559	0.085	-85.5	52.0	102.5	146
27	561	40.07	87.80	0.54	0.410	0.239	0.334	-65.6	82.2	126	126
28	568	83.03	93.65	4.13	0.469	0.517	0.022	-13.8	72.8	75.9	103
29	569	83.03	91.98	3.02	0.456	0.516	0.016	-17.8	72.6	73.9	100
30	571	82.92	87.33	1.55	0.482	0.508	0.009	-2.9	70.2	70.3	92
31	573	82.30	80.76	0.80	0.502	0.492	0.004	11.3	65.6	66.5	80
32	577R	80.69	72.49	0.38	0.525	0.472	0.002	27.2	59.2	65.1	65
33	581	77.87	63.33	0.18	0.550	0.447	0.001	42.1	51.8	66.9	50
34	583	75.96	58.54	0.13	0.564	0.434	0.000	48.9	48.0	68.5	44
35	585	73.67	53.70	0.09	0.577	0.421	0.000	54.9	44.0	70.4	38
36	587R	71.01	48.93	0.07	0.591	0.407	0.000	59.1	40.1	72.0	33
37	592	66.69	42.18	0.61	0.609	0.385	0.005	65.5	34.0	73.5	27
38	639	89.92	82.43	39.71	0.575	0.260	0.143	74.3	15.6	75.9	11
39	702	73.30	41.33	39.75	0.474	0.267	0.257	83.7	-5.7	83.9	3