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Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	A _{2,10}	B _{2,10}	C _{A2B2,10}	a _{2,10}	b _{2,10}	h _{AB2,10}	i _d	λ _d	i _c	λ _c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.0	0.615	-0.429	0				
520_770	76.4	79.08	1.01	0.488	0.505	20.97	67.1	70.3	0.748	-0.005	72	39	571	19	471
380_520	18.41	20.91	106.32	0.126	0.143	-20.96	-67.1	70.29	0.114	-2.033	252	19	471	39	571
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	0.661	-0.325	0				
520_770	82.98	82.07	0.96	0.499	0.494	26.12	65.84	70.84	0.788	-0.004	68	39	573	19	473
380_520	13.73	17.92	80.44	0.122	0.159	-26.11	-65.84	70.83	0.078	-1.794	248	19	473	39	573
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	0.724	-0.257	0				
520_770	90.86	84.92	0.88	0.514	0.48	32.13	69.99	77.01	0.84	-0.004	65	40	576	19	474
380_520	10.88	15.07	63.55	0.121	0.168	-32.12	-69.99	77.01	0.068	-1.686	245	19	474	40	576
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.0	0.84	-0.14	0				
520_770	105.35	89.55	0.74	0.538	0.457	53.47	76.94	93.7	0.935	-0.003	55	41	580	20	477
380_520	5.79	10.44	34.45	0.114	0.205	-53.46	-76.94	93.69	0.021	-1.319	235	20	477	41	580
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	0.669	-0.4	0				
520_770	82.61	81.05	0.95	0.501	0.492	22.97	72.09	75.66	0.795	-0.004	72	39	574	19	471
380_520	17.37	18.94	99.05	0.128	0.139	-22.96	-72.09	75.66	0.131	-2.091	252	19	471	39	574
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	0.627	-0.464	0				
520_770	77.3	78.56	0.93	0.493	0.501	18.74	63.22	65.94	0.764	-0.004	73	39	572	19	471
380_520	19.98	21.43	115.21	0.127	0.136	-18.73	-63.22	65.93	0.128	-2.149	253	19	471	39	572
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	0.711	-0.325	0				
520_770	88.38	83.32	0.9	0.512	0.482	25.22	66.79	71.4	0.832	-0.004	69	40	575	19	472
380_520	13.99	16.67	80.34	0.126	0.15	-25.21	-66.79	71.39	0.106	-1.927	249	19	472	40	575
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.0	0.628	-0.473	0				
520_770	76.95	78.82	1.0	0.49	0.502	17.74	64.64	67.03	0.757	-0.005	74	39	572	19	470
380_520	20.69	21.17	117.42	0.129	0.132	-17.73	-64.64	67.03	0.149	-2.218	254	19	470	39	572

DEU50-3N

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	A _{2,10}	B _{2,10}	C _{A2B2,10}	a _{2,10}	b _{2,10}	h _{AB2,10}	i _d	λ _d	i _c	λ _c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.0	0.615	-0.429	0				
475_575	23.23	61.74	21.83	0.217	0.578	-53.04	35.54	63.85	0.186	-0.141	146	29	520	-1	520c
575_475	71.57	38.25	85.49	0.366	0.195	53.02	-35.54	63.83	1.308	-0.893	326	-1	520c	29	520
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	0.661	-0.325	0				
475_575	22.94	59.25	18.53	0.227	0.588	-68.29	29.7	74.48	0.2	-0.125	156	28	518	-1	518c
575_475	73.78	40.74	62.87	0.415	0.229	68.28	-29.7	74.46	1.331	-0.617	336	-1	518c	28	518
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	0.724	-0.257	0				
475_575	22.19	55.38	15.15	0.239	0.597	-91.43	26.7	95.25	0.216	-0.109	163	28	516	-1	516c
575_475	79.55	44.61	49.29	0.458	0.257	91.41	-26.7	95.24	1.355	-0.441	343	-1	516c	28	516
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.0	0.84	-0.14	0				
475_575	20.76	48.57	10.16	0.261	0.61	-180.0	17.33	180.83	0.247	-0.083	174	27	513	-1	513c
575_475	90.38	51.42	25.03	0.541	0.308	179.97	-17.33	180.81	1.4	-0.194	354	-1	513c	27	513
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	0.669	-0.4	0				
475_575	22.48	58.54	19.29	0.224	0.583	-62.47	35.32	71.76	0.195	-0.131	150	28	519	-1	519c
575_475	77.51	41.45	80.71	0.388	0.207	62.45	-35.32	71.75	1.339	-0.778	330	-1	519c	28	519
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	0.627	-0.464	0				
475_575	23.36	60.87	22.96	0.217	0.567	-46.64	33.41	57.37	0.19	-0.15	144	29	520	-1	520c
575_475	73.92	39.12	93.18	0.358	0.189	46.62	-33.41	57.36	1.308	-0.952	324	-1	520c	29	520
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	0.711	-0.325	0				
475_575	22.09	56.11	16.87	0.232	0.59	-70.73	28.72	76.34	0.207	-0.12	157	28	518	-1	518c
575_475	80.28	43.88	64.38	0.425	0.232	70.72	-28.72	76.33	1.356	-0.586	337	-1	518c	28	518
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.0	0.628	-0.473	0				
475_575	22.85	60.92	21.67	0.216	0.577	-47.32	35.33	59.06	0.184	-0.142	143	29	521	-1	521c
575_475	74.79	39.07	96.74	0.355	0.185	47.31	-35.33	59.05	1.32	-0.99	323	-1	521c	29	521

DEU50-7N

TUB-test chart DEU5; YB and GM data for eight Dxx illuminants, CIE-10° observer
CIEXYZ data and data: A₂, B₂, C_{A2B2}, a₂, b₂, h_{A2B2}, a*, b*, C*_{ab}, a', b', h_{ab}, wavelength λ_d and λ_c

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	a* ₁₀	b* ₁₀	C* ₁₀	a' ₁₀	b' ₁₀	h ₁₀	i _d	λ _d	i _c	λ _c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.01	0.215	-0.086	0				
520_770	76.4	79.08	1.01	0.488	0.505	2.88	142.54	142.57	0.216	-0.019	88	39	571	19	471
380_520	18.41	20.91	106.32	0.126	0.143	-7.22	-80.64	80.96	0.21	-0.144	264	19	471	39	571
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.01	0.215	-0.086	0				
520_770	82.98	82.07	0.96	0.499	0.494	6.97	141.49	141.66	0.218	-0.021	87	39	573	19	473
380_520	13.73	17.92	80.44	0.122	0.159	-21.04	-86.41	88.94	0.199	-0.152	256	19	473	39	573
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.01	0.215	-0.086	0				
520_770	90.86	84.92	0.88	0.514	0.48	7.99	141.33	141.56	0.219	-0.021	86	40	576	19	474
380_520	10.88	15.07	63.55	0.121	0.168	-28.72	-92.61	96.96	0.192	-0.161	252	19	474	40	576
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.01	0.215	-0.086	0				
520_770	105.35	89.55	0.74	0.538	0.457	9.19	137.35	137.66	0.219	-0.024	86	41	580	20	477
380_520	5.79	10.44	34.45	0.114	0.205	-48.6	-104.37	115.13	0.17	-0.181	245	20	477	41	580
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.01	0.215	-0.086	0				
520_770	82.61	81.05	0.95	0.501	0.492	2.98	143.91	143.95	0.216	-0.019	88	39	574	19	471
380_520	17.37	18.94	99.05	0.128	0.139	-8.14	-84.48	84.87	0.209	-0.149	264	19	471	39	574
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.01	0.215	-0.086	0				
520_770	77.3	78.56	0.93	0.493	0.501	1.74	142.44	142.45	0.216	-0.018	89	39	572	19	471
380_520	19.98	21.43	115.21	0.127	0.136	-4.22	-79.75	79.86	0.212	-0.143	266	19	471	39	572
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.01	0.215	-0.086	0				
520_770	88.38	83.32	0.9	0.512	0.482	5.59	143.42	143.53	0.218	-0.02	87	40	575	19	472
380_520	13.99	16.67	80.34	0.126	0.15	-17.65	-89.15	90.88	0.201	-0.155	258	19	472	40	575
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.01	0.215	-0.086	0				
520_770	76.95	78.82	1.0	0.49	0.502	-0.04	141.54	141.54	0.215	-0.019	90	39	572	19	470
380_520	20.69	21.17	117.42	0.129	0.132	0.1	-80.21	80.21	0.215	-0.144	270	19	470	39	572

DEU51-3N

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	a* ₁₀	b* ₁₀	C* ₁₀	a' ₁₀	b' ₁₀	h ₁₀	i _d	λ _d	i _c	λ _c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.01	0.215	-0.086	0				
475_575	23.23	61.74	21.83	0.217	0.578	-112.83	32.66	124.51	0.158	-0.059	154	29	520	-1	520c
575_475	71.57	38.25	85.49	0.366	0.195	92.27	-40.19	100.65	0.27	-0.11	336	-1	520c	29	520
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.01	0.215	-0.086	0				
475_575	22.94	59.25	18.53	0.227	0.588	-110.43	35.85	119.59	0.158	-0.062	157	28	518	-1	518c
575_475	73.78	40.74	62.87	0.415	0.229	86.18	-35.22	93.1	0.265	-0.106	337	-1	518c	28	518
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.01	0.215	-0.086	0				
475_575	22.19	55.38	15.15	0.239	0.597	-109.64	40.79	116.95	0.157	-0.064	159	28	516	-1	516c
575_475	79.55	44.61	49.29	0.458	0.257	78.56	-30.08	84.12	0.259	-0.103	339	-1	516c	28	516
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.01	0.215	-0.086	0				
475_575	20.76	48.57	10.16	0.261	0.61	-107.12	51.01	110.05	0.156	-0.072	166	27	513	-1	513c
575_475	90.38	51.42	25.03	0.541	0.308	66.1	-18.28	68.58	0.251	-0.096	344	-1	513c	27	513
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.01	0.215	-0.086	0				
475_575	22.48	58.54	19.29	0.224	0.583	-114.21	31.73	125.39	0.156	-0.059	155	28	519	-1	519c
575_475	77.51	41.45	80.71	0.388	0.207	86.47	-37.07	94.09	0.265	-0.107	336	-1	519c	28	519
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.01	0.215	-0.086	0				
475_575	23.36	60.87	22.96	0.217	0.567	-112.95	32.97	124.75	0.158	-0.059	154	29	520	-1	520c
575_475	73.92	39.12	93.18	0.358	0.189	90.54	-39.55	98.8	0.268	-0.109	336	-1	520c	29	520
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.01	0.215	-0.086	0				
475_575	22.09	56.11	16.87	0.232	0.59	-112.47	36.52	121.71	0.156	-0.061	157	28	518	-1	518c
575_475	80.28	43.88	64.38	0.425	0.232	81.1	-33.08	87.59	0.261	-0.104	337	-1	518c	28	518
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.01	0.215	-0.086	0				
475_575	22.85	60.92	21.67	0.216	0.577	-115.77	35.98	128.54	0.156	-0.057	154	29	521	-1	521c
575_475	74.79	39.07	96.74	0.355	0.185	91.93	-40.75	100.55	0.269	-0.11	336	-1	521c	29	521