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TUB registration: 20220401-CEY6/CEY6L0NA.TXT /.PS
application for evaluation and measurement of display or print output
TUB material: code=rha4ta

Code	X	Y	Z	x	y	A ₁	B ₁	CAB ₁	a ₁	b ₁	hAB ₁	i _d	λ _d	i _c	λ _c
D65	95.04	99.99	108.89	0.312	0.329	0.0	0.0	0.0	1.54	-1.088	0				
520_705	76.58	81.9	1.16	0.479	0.513	21.4	88.02	90.59	1.801	-0.014	76	40	575	20	476
380_520	18.35	17.99	107.61	0.127	0.124	-21.4	-88.02	90.59	0.35	-5.981	256	20	476	40	575
D50	96.42	100.0	82.49	0.345	0.358	0.0	0.0	0.0	1.643	-0.824	0				
520_705	82.68	84.21	1.11	0.492	0.501	22.09	68.35	71.84	1.905	-0.013	72	40	577	20	478
380_520	13.64	15.68	81.29	0.123	0.141	-22.09	-68.35	71.84	0.234	-5.183	252	20	478	40	577
P40	100.93	99.99	64.68	0.379	0.376	0.0	0.0	0.0	1.792	-0.646	0				
520_705	90.18	86.52	1.03	0.507	0.486	21.45	54.93	58.97	2.04	-0.011	68	40	579	20	479
380_520	10.65	13.37	63.59	0.121	0.152	-21.45	-54.93	58.97	0.189	-4.752	248	20	479	40	579
A00	109.84	99.99	35.58	0.447	0.407	0.0	0.0	0.0	2.071	-0.355	0				
520_705	104.13	90.3	0.89	0.533	0.462	19.55	31.23	36.85	2.287	-0.009	57	41	583	21	483
380_520	5.6	9.59	34.65	0.112	0.192	-19.55	-31.23	36.85	0.032	-3.613	237	21	483	41	583
E00	100.0	100.0	100.0	0.333	0.333	0.0	0.0	0.0	1.675	-1.0	0				
520_705	82.86	83.57	1.09	0.494	0.498	21.1	82.48	85.13	1.927	-0.013	75	40	577	20	476
380_520	17.03	16.32	98.8	0.128	0.123	-21.1	-82.48	85.13	0.382	-6.053	255	20	476	40	577
C00	98.07	100.0	118.22	0.31	0.316	0.0	0.0	0.0	1.581	-1.182	0				
520_705	77.91	81.94	1.09	0.484	0.509	20.9	95.78	98.04	1.837	-0.013	77	40	576	20	475
380_520	20.05	17.95	117.01	0.129	0.115	-20.9	-95.78	98.04	0.418	-6.516	257	20	475	40	576
P00	102.06	100.0	81.06	0.36	0.353	0.0	0.0	0.0	1.773	-0.81	0				
520_705	88.32	85.38	1.04	0.505	0.488	21.35	68.16	71.43	2.023	-0.012	72	40	579	20	477
380_520	13.64	14.51	79.93	0.126	0.134	-21.35	-68.16	71.43	0.301	-5.506	252	20	477	40	579
Q00	97.93	100.0	118.95	0.309	0.315	0.0	0.0	0.0	1.576	-1.189	0				
520_705	77.4	81.76	1.14	0.482	0.51	20.49	96.12	98.28	1.827	-0.014	77	40	576	20	475
380_520	20.42	18.13	117.68	0.13	0.116	-20.48	-96.12	98.28	0.446	-6.491	257	20	475	40	576

CEY60-3N YAB1, YB, Dxx

Code	X	Y	Z	x	y	A ₁	B ₁	CAB ₁	a ₁	b ₁	hAB ₁	i _d	λ _d	i _c	λ _c
D65	95.04	99.99	108.89	0.312	0.329	0.0	0.0	0.0	1.54	-1.088	0				
470_570	20.94	61.44	26.3	0.192	0.565	-72.16	40.6	82.8	0.365	-0.428	150	28	517	-1	517c
570_470	74.0	38.45	82.47	0.379	0.197	72.16	-40.6	82.8	3.416	-2.144	330	-1	517c	28	517
D50	96.42	100.0	82.49	0.345	0.358	0.0	0.0	0.0	1.643	-0.824	0				
470_570	20.35	58.72	22.14	0.201	0.58	-73.46	26.29	78.02	0.392	-0.377	160	28	515	-1	515c
570_470	75.97	41.17	60.26	0.428	0.232	73.46	-26.29	78.02	3.427	-1.463	340	-1	515c	28	515
P40	100.93	99.99	64.68	0.379	0.376	0.0	0.0	0.0	1.792	-0.646	0				
470_570	19.45	54.72	18.01	0.21	0.593	-74.83	17.38	76.82	0.425	-0.329	166	28	515	-1	515c
570_470	81.37	45.17	46.6	0.469	0.26	74.83	-17.38	76.82	3.449	-1.031	346	-1	515c	28	515
A00	109.84	99.99	35.58	0.447	0.407	0.0	0.0	0.0	2.071	-0.355	0				
470_570	17.86	47.88	12.01	0.229	0.615	-75.91	5.02	76.08	0.485	-0.25	176	27	514	-1	514c
570_470	91.87	52.01	23.52	0.548	0.31	75.91	-5.02	76.08	3.53	-0.452	356	-1	514c	27	514
E00	100.0	100.0	100.0	0.333	0.333	0.0	0.0	0.0	1.675	-1.0	0				
470_570	20.09	58.12	23.14	0.198	0.573	-74.98	34.97	82.73	0.384	-0.398	154	28	517	-1	517c
570_470	79.8	41.77	76.75	0.402	0.21	74.98	-34.97	82.73	3.469	-1.837	334	-1	517c	28	517
C00	98.07	100.0	118.22	0.31	0.316	0.0	0.0	0.0	1.581	-1.182	0				
470_570	21.27	60.55	27.65	0.194	0.553	-72.73	43.94	84.97	0.381	-0.456	148	28	518	-1	518c
570_470	76.7	39.34	90.45	0.371	0.19	72.73	-43.94	84.97	3.43	-2.299	328	-1	518c	28	518
P00	102.06	100.0	81.06	0.36	0.353	0.0	0.0	0.0	1.773	-0.81	0				
470_570	19.54	55.53	20.11	0.205	0.583	-75.8	24.9	79.78	0.408	-0.362	161	28	516	-1	516c
570_470	82.42	44.36	60.86	0.439	0.236	75.8	-24.9	79.78	3.481	-1.372	341	-1	516c	28	516
Q00	97.93	100.0	118.95	0.309	0.315	0.0	0.0	0.0	1.576	-1.189	0				
470_570	20.65	60.7	26.17	0.192	0.564	-73.65	46.03	86.85	0.363	-0.431	147	28	518	-1	518c
570_470	77.17	39.19	92.65	0.369	0.187	73.65	-46.03	86.85	3.456	-2.364	327	-1	518c	28	518

CEY60-7N YAB1, GM, Dxx

Code	X	Y	Z	x	y	A ₂	B ₂	CAB ₂	a ₂	b ₂	hAB ₂	i _d	λ _d	i _c	λ _c
D65	95.04	99.99	108.89	0.312	0.329	0.0	0.0	0.0	1.232	-0.871	0				
520_705	76.58	81.9	1.16	0.479	0.513	17.12	70.42	72.47	1.441	-0.011	76	40	575	20	476
380_520	18.35	17.99	107.61	0.127	0.124	-17.12	-70.42	72.47	0.28	-4.785	256	20	476	40	575
D50	96.42	100.0	82.49	0.345	0.358	0.0	0.0	0.0	1.314	-0.659	0				
520_705	82.68	84.21	1.11	0.492	0.501	17.67	54.68	57.47	1.524	-0.01	72	40	577	20	478
380_520	13.64	15.68	81.29	0.123	0.141	-17.67	-54.68	57.47	0.187	-4.146	252	20	478	40	577
P40	100.93	99.99	64.68	0.379	0.376	0.0	0.0	0.0	1.434	-0.517	0				
520_705	90.18	86.52	1.03	0.507	0.486	17.16	43.94	47.18	1.632	-0.009	68	40	579	20	479
380_520	10.65	13.37	63.59	0.121	0.152	-17.16	-43.94	47.18	0.151	-3.802	248	20	479	40	579
A00	109.84	99.99	35.58	0.447	0.407	0.0	0.0	0.0	1.657	-0.284	0				
520_705	104.13	90.3	0.89	0.533	0.462	15.64	24.99	29.48	1.83	-0.007	57	41	583	21	483
380_520	5.6	9.59	34.65	0.112	0.192	-15.64	-24.99	29.48	0.025	-2.89	237	21	483	41	583
E00	100.0	100.0	100.0	0.333	0.333	0.0	0.0	0.0	1.34	-0.8	0				
520_705	82.86	83.57	1.09	0.494	0.498	16.88	65.98	68.1	1.541	-0.01	75	40	577	20	476
380_520	17.03	16.32	98.8	0.128	0.123	-16.88	-65.98	68.11	0.305	-4.842	255	20	476	40	577
C00	98.07	100.0	118.22	0.31	0.316	0.0	0.0	0.0	1.265	-0.945	0				
520_705	77.91	81.94	1.09	0.484	0.509	16.72	76.62	78.43	1.469	-0.01	77	40	576	20	475
380_520	20.05	17.95	117.01	0.129	0.115	-16.72	-76.62	78.43	0.334	-5.213	257	20	475	40	576
P00	102.06	100.0	81.06	0.36	0.353	0.0	0.0	0.0	1.418	-0.648	0				
520_705	88.32	85.38	1.04	0.505	0.488	17.08	54.53	57.14	1.618	-0.009	72	40	579	20	477
380_520	13.64	14.51	79.93	0.126	0.134	-17.08	-54.53	57.14	0.241	-4.404	252	20	477	40	579
Q00	97.93	100.0	118.95	0.309	0.315	0.0	0.0	0.0	1.261	-0.951	0				
520_705	77.4	81.76	1.14	0.482	0.51	16.39	76.89	78.62	1.461	-0.011	77	40	576	20	475
380_520	20.42	18.13	117.68	0.13	0.116	-16.39	-76.89	78.62	0.357	-5.193	257	20	475	40	576

CEY61-3N YAB2, YB, Dxx

Code	X	Y	Z	x	y	A ₂	B ₂	CAB ₂	a ₂	b ₂	hAB ₂	i _d	λ _d	i _c	λ _c
D65	95.04	99.99	108.89	0.312	0.329	0.0	0.0	0.0	1.232	-0.871	0				
470_570	20.94	61.44	26.3	0.192	0.565	-57.73	32.48	66.24	0.292	-0.342	150	28	517	-1	517c
570_470	74.0	38.45	82.47	0.379	0.197	57.73	-32.48	66.24	2.733	-1.715	330	-1	517c	28	517
D50	96.42	100.0	82.49	0.345	0.358	0.0	0.0	0.0	1.314	-0.659	0				
470_570	20.35	58.72	22.14	0.201	0.58	-58.77	21.03	62.42	0.314	-0.301	160	28	515	-1	515c
570_470	75.97	41.17	60.26	0.428	0.232	58.77	-21.03	62.42	2.742	-1.17	340	-1	515c	28	515
P40	100.93	99.99	64.68	0.379	0.376	0.0	0.0	0.0	1.434	-0.517	0				
470_570	19.45	54.72	18.01	0.21	0.593	-59.86	13.9	61.46	0.34	-0.263	166	28	515	-1	515c
570_470	81.37	45.17	46.6	0.469	0.26	59.86	-13.9	61.46	2.759	-0.825	346	-1	515c	28	515
A00	109.84	99.99	35.58	0.447	0.407	0.0	0.0	0.0	1.657	-0.284	0				
470_570	17.86	47.88	12.01	0.229	0.615	-60.73	4.01	60.86	0.388	-0.2	176	27	514	-1	514c
570_470	91.87	52.01	23.52	0.548	0.31	60.73	-4.01	60.86	2.824	-0.361	356	-1	514c	27	514
E00	100.0	100.0	100.0	0.333	0.333	0.0	0.0	0.0	1.34	-0.8	0				
470_570	20.09	58.12	23.14	0.198	0.573	-59.98	27.98	66.19	0.307	-0.318	154	28	517	-1	517c
570_470	79.8	41.77	76.75	0.402	0.21	59.98	-27.98	66.19	2.775	-1.469	334	-1	517c	28	517
C00	98.07	100.0	118.22	0.31	0.316	0.0	0.0	0.0	1.265	-0.945	0				
470_570	21.27	60.55	27.65	0.194	0.553	-58.18	35.15	67.97	0.304	-0.365	148	28	518	-1	518c
570_470	76.7	39.34	90.45	0.371	0.19	58.18	-35.15	67.97	2.744	-1.839	328	-1	518c	28	518
P00	102.06	100.0	81.06	0.36	0.353	0.0	0.0	0.0	1.418	-0.648	0				
470_570	19.54	55.53	20.11	0.205	0.583	-60.64	19.92	63.83	0.326	-0.289	161	28	516	-1	516c
570_470	82.42	44.36	60.86	0.439	0.236	60.64	-19.92	63.83	2.785	-1.097	341	-1	516c	28	516
Q00	97.93	100.0	118.95	0.309	0.315	0.0	0.0	0.0	1.261	-0.951	0				
470_570	20.65	60.7	26.17	0.192	0.564	-58.92	36.82	69.48	0.29	-0.344	147	28	518	-1	518c
570_470	77.17	39.19	92.65	0.369	0.187	58.92	-36.82	69.48	2.764	-1.891	327	-1	518c	28	518

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technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	A _{1,10}	B _{1,10}	CAB _{1,10}	a _{1,10}	b _{1,10}	hAB _{1,10}	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	1.539	-1.073	0				
520_705	75.92	75.74	0.68	0.498	0.497	31.32	80.6	86.48	1.952	-0.009	68	39	573	19	473
380_520	18.79	24.15	106.53	0.125	0.161	-31.32	-80.6	86.48	0.242	-4.41	248	19	473	39	573
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	1.653	-0.814	0				
520_705	82.54	78.93	0.66	0.509	0.486	31.27	63.59	70.87	2.049	-0.008	63	40	575	20	475
380_520	14.08	20.96	80.66	0.121	0.181	-31.27	-63.59	70.87	0.161	-3.847	243	20	475	40	575
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.811	-0.644	0				
520_705	90.46	82.05	0.61	0.522	0.473	29.88	52.27	60.21	2.175	-0.007	60	40	577	20	476
380_520	11.18	17.84	63.77	0.12	0.192	-29.88	-52.27	60.21	0.137	-3.574	240	20	476	40	577
A00	111.15	100.0	35.19	0.451	0.405	0.0	0.0	0.0	2.101	-0.351	0				
520_705	105.05	87.25	0.52	0.544	0.452	26.25	30.18	40.0	2.402	-0.006	48	41	581	20	479
380_520	5.98	12.64	34.64	0.112	0.237	-26.25	-30.18	40.0	0.025	-2.739	228	20	479	41	581
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	1.674	-1.0	0				
520_705	82.17	77.89	0.64	0.511	0.484	30.78	77.25	83.16	2.069	-0.008	68	40	575	19	473
380_520	17.71	22.0	96.26	0.127	0.158	-30.78	-77.25	83.16	0.275	-4.51	248	19	473	40	575
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	1.57	-1.161	0				
520_705	76.86	75.49	0.63	0.502	0.493	31.55	87.04	92.58	1.988	-0.008	70	39	574	19	472
380_520	20.32	24.4	115.39	0.126	0.152	-31.55	-87.04	92.58	0.277	-4.727	250	19	472	39	574
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	1.779	-0.812	0				
520_705	87.97	80.37	0.61	0.52	0.475	30.45	64.68	71.49	2.158	-0.007	64	40	577	19	474
380_520	14.29	19.52	80.55	0.124	0.17	-30.45	-64.68	71.49	0.219	-4.125	244	19	474	40	577
Q00	97.64	100.0	118.42	0.308	0.316	0.0	0.0	0.0	1.572	-1.184	0				
520_705	76.47	75.45	0.67	0.501	0.494	30.59	88.68	93.81	1.977	-0.008	70	39	573	19	472
380_520	21.07	24.44	117.63	0.129	0.149	-30.59	-88.68	93.81	0.32	-4.812	250	19	472	39	573

CEY60-3N YAB1, YB, Dxx

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	A _{1,10}	B _{1,10}	CAB _{1,10}	a _{1,10}	b _{1,10}	hAB _{1,10}	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	1.539	-1.073	0				
470_570	23.21	61.68	21.81	0.217	0.577	-66.25	44.38	79.75	0.465	-0.353	146	29	520	-1	520c
570_470	71.5	38.21	85.4	0.366	0.195	66.25	-44.38	79.75	3.273	-2.234	326	-1	520c	29	520
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	1.653	-0.814	0				
470_570	22.92	59.2	18.51	0.227	0.588	-68.25	29.67	74.42	0.5	-0.312	156	28	518	-1	518c
570_470	73.7	40.69	62.81	0.415	0.229	68.25	-29.67	74.42	3.33	-1.543	336	-1	518c	28	518
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.811	-0.644	0				
470_570	22.17	55.33	15.14	0.239	0.597	-70.29	20.52	73.22	0.541	-0.273	163	28	516	-1	516c
570_470	79.47	44.56	49.24	0.458	0.257	70.29	-20.52	73.22	3.389	-1.104	343	-1	516c	28	516
A00	111.15	100.0	35.19	0.451	0.405	0.0	0.0	0.0	2.101	-0.351	0				
470_570	20.75	48.53	10.15	0.261	0.61	-71.95	6.92	72.28	0.618	-0.209	174	27	513	-1	513c
570_470	90.28	51.36	25.0	0.541	0.308	71.95	-6.92	72.28	3.502	-0.486	354	-1	513c	27	513
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	1.674	-1.0	0				
470_570	22.46	58.48	19.27	0.224	0.583	-69.36	39.21	79.68	0.488	-0.329	150	28	519	-1	519c
570_470	77.43	41.41	80.62	0.388	0.207	69.36	-39.21	79.68	3.349	-1.947	330	-1	519c	28	519
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	1.57	-1.161	0				
470_570	23.33	60.81	22.94	0.217	0.567	-66.59	47.68	81.9	0.475	-0.377	144	29	520	-1	520c
570_470	73.84	39.08	93.08	0.358	0.189	66.59	-47.68	81.9	3.273	-2.381	324	-1	520c	29	520
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	1.779	-0.812	0				
470_570	22.07	56.06	16.85	0.232	0.59	-70.69	28.69	76.29	0.518	-0.3	157	28	518	-1	518c
570_470	80.19	43.83	64.31	0.425	0.232	70.69	-28.69	76.29	3.391	-1.467	337	-1	518c	28	518
Q00	97.64	100.0	118.42	0.308	0.316	0.0	0.0	0.0	1.572	-1.184	0				
470_570	22.83	60.87	21.65	0.216	0.577	-67.57	50.42	84.31	0.461	-0.355	143	29	521	-1	521c
570_470	74.71	39.02	96.64	0.355	0.185	67.57	-50.42	84.31	3.303	-2.476	323	-1	521c	29	521

CEY60-7N YAB1, GM, Dxx

TUB-test chart CEY6; YB and GM data; 8 illuminants Dxx; 10°-CIE observer
CIEXYZ, YABCab_{h1}, and YABCab_{h2} data; wavelength: λ₁, λ₂, λ_d and λ_c

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	A _{2,10}	B _{2,10}	CAB _{2,10}	a _{2,10}	b _{2,10}	hAB _{2,10}	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	1.231	-0.858	0				
520_705	75.92	75.74	0.68	0.498	0.497	25.05	64.48	69.18	1.562	-0.007	68	39	573	19	473
380_520	18.79	24.15	106.53	0.125	0.161	-25.05	-64.48	69.18	0.194	-3.528	248	19	473	39	573
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	1.322	-0.651	0				
520_705	82.54	78.93	0.66	0.509	0.486	25.01	50.87	56.69	1.639	-0.006	63	40	575	20	475
380_520	14.08	20.96	80.66	0.121	0.181	-25.01	-50.87	56.69	0.129	-3.078	243	20	475	40	575
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.449	-0.515	0				
520_705	90.46	82.05	0.61	0.522	0.473	23.9	41.81	48.16	1.74	-0.005	60	40	577	20	476
380_520	11.18	17.84	63.77	0.12	0.192	-23.9	-41.81	48.16	0.109	-2.859	240	20	476	40	577
A00	111.15	100.0	35.19	0.451	0.405	0.0	0.0	0.0	1.681	-0.281	0				
520_705	105.05	87.25	0.52	0.544	0.452	21.0	24.15	32.0	1.921	-0.004	48	41	581	20	479
380_520	5.98	12.64	34.64	0.112	0.237	-21.0	-24.15	32.0	0.02	-2.191	228	20	479	41	581
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	1.339	-0.8	0				
520_705	82.17	77.89	0.64	0.511	0.484	24.62	61.8	66.52	1.655	-0.006	68	40	575	19	473
380_520	17.71	22.0	99.26	0.127	0.158	-24.62	-61.8	66.52	0.22	-3.608	248	19	473	40	575
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	1.256	-0.929	0				
520_705	76.86	75.49	0.63	0.502	0.493	25.24	69.63	74.07	1.59	-0.006	70	39	574	19	472
380_520	20.32	24.4	115.39	0.126	0.152	-25.24	-69.63	74.07	0.221	-3.781	250	19	472	39	574
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	1.423	-0.65	0				
520_705	87.97	80.37	0.61	0.52	0.475	24.36	51.75	57.19	1.726	-0.006	64	40	577	19	474
380_520	14.29	19.52	80.55	0.124	0.17	-24.36	-51.75	57.19	0.175	-3.3	244	19	474	40	577
Q00	97.64	100.0	118.42	0.308	0.316	0.0	0.0	0.0	1.257	-0.947	0				
520_705	76.47	75.45	0.67	0.501	0.494	24.47	70.94	75.05	1.582	-0.007	70	39	573	19	472
380_520	21.07	24.44	117.63	0.129	0.149	-24.47	-70.94	75.05	0.256	-3.85	250	19	472	39	573

CEY61-3N YAB2, YB, Dxx

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	A _{2,10}	B _{2,10}	CAB _{2,10}	a _{2,10}	b _{2,10}	hAB _{2,10}	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	1.231	-0.858	0				
470_570	23.21	61.68	21.81	0.217	0.577	-53.0	35.5	63.8	0.372	-0.282	146	29	520	-1	520c
570_470	71.5	38.21	85.4	0.366	0.195	53.0	-35.5	63.8	2.618	-1.787	326	-1	520c	29	520
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	1.322	-0.651	0				
470_570	22.92	59.2	18.51	0.227	0.588	-54.6	23.74	59.54	0.4	-0.25	156	28	518	-1	518c
570_470	73.7	40.69	62.81	0.415	0.229	54.6	-23.74	59.54	2.664	-1.234	336	-1	518c	28	518
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.449	-0.515	0				
470_570	22.17	55.33	15.14	0.239	0.597	-56.23	16.41	58.57	0.433	-0.218	163	28	516	-1	516c
570_470	79.47	44.56	49.24	0.458	0.257	56.23	-16.41	58.57	2.711	-0.883	343	-1	516c	28	516
A00	111.15	100.0	35.19	0.451	0.405	0.0	0.0	0.0	1.681	-0.281	0				
470_570	20.75	48.53	10.15	0.261	0.61	-57.56	5.54	57.82	0.495	-0.167	174	27	513	-1	513c
570_470	90.28	51.36	25.0	0.541	0.308	57.56	-5.54	57.82	2.801	-0.389	354	-1	513c	27	513
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	1.339	-0.8	0				
470_570	22.46	58.48	19.27	0.224	0.583	-55.49	31.37	63.74	0.391	-0.263	150	28	519	-1	519c
570_470	77.43	41.41	80.62	0.388	0.207	55.49	-31.37	63.74	2.679	-1.557	330	-1	519c	28	519
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	1.256	-0.929	0				
470_570	23.33	60.81	22.94	0.217	0.567	-53.27	38.14	65.52	0.38	-0.301	144	29	520	-1	520c
570_470	73.84	39.08	93.08	0.358	0.189	53.27	-38.14	65.52	2.619	-1.905	324	-1	520c	29	520
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	1.423	-0.65	0				
470_570	22.07	56.06	16.85	0.232	0.59	-56.55	22.95	61.03	0.414	-0.24	157	28	518	-1	518c
570_470	80.19	43.83	64.31	0.425	0.232	56.55	-22.95	61.03	2.713	-1.173	337	-1	518c	28	518
Q00	97.64	100.0	118.42	0.308	0.316	0.0	0.0	0.0	1.257	-0.947	0				
470_570	22.83	60.87	21.65	0.216	0.577	-54.05	40.34	67.45	0.369	-0.284	143	29	521	-1	521c
570_470	74.71	39.02	96.64	0.355	0.185	54.05	-40.34	67.45	2.642	-1.981	323	-1	521c	29	521