

see similar files: <http://farbe.li-tu-berlin.de/CEY3/CEY3.HTM>
technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20220401-CEY3/CEY3L0NP.PDF /.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	C _{AB1}	a ₁	b ₁	h _{AB1}	i _d	λ _d	i _c	λ _c
P65	96.86	99.99	112.33	0.313	0.323	0.0	0.0	0.0	1.571	-1.123	0				
520_705	77.81	85.38	1.62	0.472	0.518	15.02	94.29	95.48	1.747	-0.019	80	39	574	19	473
380_520	19.05	14.61	110.71	0.131	0.101	-15.02	-94.29	95.48	0.542	-7.576	260	19	473	39	574
P60	97.06	99.99	104.57	0.321	0.331	0.0	0.0	0.0	1.597	-1.045	0				
520_705	79.41	85.95	1.6	0.475	0.514	15.32	88.28	89.6	1.775	-0.018	80	40	575	19	474
380_520	17.65	14.04	102.97	0.131	0.104	-15.32	-88.28	89.6	0.506	-7.33	260	19	474	40	575
P55	97.45	99.99	95.98	0.332	0.34	0.0	0.0	0.0	1.629	-0.959	0				
520_705	81.33	86.6	1.57	0.479	0.51	15.59	81.55	83.03	1.809	-0.018	79	40	575	19	474
380_520	16.12	13.39	94.41	0.13	0.108	-15.59	-81.55	83.03	0.465	-7.049	259	19	474	40	575
P50	98.12	100.0	86.5	0.344	0.351	0.0	0.0	0.0	1.67	-0.865	0				
520_705	83.68	87.36	1.53	0.484	0.506	15.81	74.03	75.7	1.851	-0.017	77	40	576	20	475
380_520	14.44	12.63	84.96	0.128	0.112	-15.81	-74.03	75.7	0.418	-6.725	257	20	475	40	576
P45	99.2	100.0	76.07	0.36	0.363	0.0	0.0	0.0	1.723	-0.76	0				
520_705	86.6	88.25	1.48	0.491	0.5	15.93	65.64	67.55	1.903	-0.016	76	40	577	20	476
380_520	12.6	11.74	74.58	0.127	0.118	-15.93	-65.64	67.55	0.366	-6.349	256	20	476	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	90.3	89.29	1.42	0.498	0.493	15.89	56.33	58.53	1.97	-0.015	74	40	578	20	477
380_520	10.62	10.7	63.26	0.125	0.126	-15.89	-56.33	58.53	0.307	-5.909	254	20	477	40	578
P35	103.66	100.0	52.43	0.404	0.39	0.0	0.0	0.0	1.887	-0.524	0				
520_705	95.14	90.52	1.35	0.508	0.484	15.56	46.11	48.67	2.059	-0.014	71	40	579	20	478
380_520	8.52	9.47	51.08	0.123	0.137	-15.56	-46.11	48.67	0.244	-5.391	251	20	478	40	579
P30	108.04	100.0	39.55	0.436	0.403	0.0	0.0	0.0	2.02	-0.395	0				
520_705	101.66	91.97	1.24	0.521	0.471	14.76	35.13	38.1	2.18	-0.013	67	41	581	20	479
380_520	6.37	8.02	38.3	0.12	0.152	-14.76	-35.13	38.1	0.179	-4.776	247	20	479	41	581

CEY30-3N YAB1, YB, Pxx

Code	X	Y	Z	x	y	A ₁	B ₁	C _{AB1}	a ₁	b ₁	h _{AB1}	i _d	λ _d	i _c	λ _c
P65	96.86	99.99	112.33	0.313	0.323	0.0	0.0	0.0	1.571	-1.123	0				
470_570	18.52	56.71	33.06	0.171	0.523	-72.59	30.64	78.79	0.291	-0.583	157	26	509	-1	509c
570_470	78.34	43.28	79.26	0.389	0.215	72.59	-30.64	78.79	3.248	-1.831	337	-1	509c	26	509
P60	97.06	99.99	104.57	0.321	0.331	0.0	0.0	0.0	1.597	-1.045	0				
470_570	18.28	55.91	31.52	0.172	0.528	-72.66	26.95	77.49	0.297	-0.563	159	26	509	-1	509c
570_470	78.77	44.08	73.05	0.402	0.225	72.66	-26.95	77.49	3.245	-1.657	339	-1	509c	26	509
P55	97.45	99.99	95.98	0.332	0.34	0.0	0.0	0.0	1.629	-0.959	0				
470_570	18.0	54.94	29.75	0.175	0.534	-72.75	22.98	76.3	0.305	-0.541	162	26	509	-1	509c
570_470	79.44	45.05	66.23	0.416	0.236	72.75	-22.98	76.3	3.244	-1.47	342	-1	509c	26	509
P50	98.12	100.0	86.5	0.344	0.351	0.0	0.0	0.0	1.67	-0.865	0				
470_570	17.66	53.75	27.71	0.178	0.542	-72.88	18.78	75.27	0.314	-0.515	165	26	509	-1	509c
570_470	80.45	46.24	58.78	0.433	0.249	72.88	-18.78	75.27	3.246	-1.271	345	-1	509c	26	509
P45	99.2	100.0	76.07	0.36	0.363	0.0	0.0	0.0	1.723	-0.76	0				
470_570	17.24	52.27	25.36	0.181	0.55	-73.04	14.39	74.45	0.325	-0.485	168	26	508	-1	508c
570_470	81.95	47.72	50.7	0.454	0.264	73.04	-14.39	74.45	3.253	-1.062	348	-1	508c	26	508
P40	100.93	99.99	64.68	0.379	0.376	0.0	0.0	0.0	1.792	-0.646	0				
470_570	16.71	50.37	22.65	0.186	0.561	-73.2	9.93	73.88	0.339	-0.449	172	26	508	-1	508c
570_470	84.21	49.62	42.03	0.478	0.282	73.2	-9.93	73.88	3.268	-0.847	352	-1	508c	26	508
P35	103.66	100.0	52.43	0.404	0.39	0.0	0.0	0.0	1.887	-0.524	0				
470_570	16.03	47.91	19.51	0.192	0.574	-73.29	5.6	73.51	0.357	-0.407	175	26	508	-1	508c
570_470	87.63	52.08	32.91	0.507	0.301	73.29	-5.6	73.51	3.294	-0.631	355	-1	508c	26	508
P30	108.04	100.0	39.55	0.436	0.403	0.0	0.0	0.0	2.02	-0.395	0				
470_570	15.12	44.61	15.91	0.199	0.589	-73.11	1.73	73.13	0.381	-0.356	178	26	509	-1	509c
570_470	92.91	55.38	23.63	0.54	0.322	73.11	-1.73	73.13	3.34	-0.426	358	-1	509c	26	509

CEY30-7N YAB1, GM, Pxx

TUB-test chart CEY3; YB and GM data; 8 illuminants Pxx; 2°-CIE observer
CIEXYZ, YABCA₁h₁, and YABCA₂h₂ data; wavelength: λ₁, λ₂, λ_d and λ_c

Code	X	Y	Z	x	y	A ₂	B ₂	C _{AB2}	a ₂	b ₂	h _{AB2}	i _d	λ _d	i _c	λ _c
P65	96.86	99.99	112.33	0.313	0.323	0.0	0.0	0.0	1.257	-0.898	0				
520_705	77.81	85.38	1.62	0.472	0.518	12.02	75.43	76.38	1.397	-0.015	80	39	574	19	473
380_520	19.05	14.61	110.71	0.131	0.101	-12.02	-75.43	76.38	0.434	-6.061	260	19	473	39	574
P60	97.06	99.99	104.57	0.321	0.331	0.0	0.0	0.0	1.277	-0.836	0				
520_705	79.41	85.95	1.6	0.475	0.514	12.25	70.62	71.68	1.42	-0.014	80	40	575	19	474
380_520	17.65	14.04	102.97	0.131	0.104	-12.25	-70.62	71.68	0.405	-5.864	260	19	474	40	575
P55	97.45	99.99	95.98	0.332	0.34	0.0	0.0	0.0	1.303	-0.767	0				
520_705	81.33	86.6	1.57	0.479	0.51	12.47	65.24	66.42	1.447	-0.014	79	40	575	19	474
380_520	16.12	13.39	94.41	0.13	0.108	-12.47	-65.24	66.42	0.372	-5.639	259	19	474	40	575
P50	98.12	100.0	86.5	0.344	0.351	0.0	0.0	0.0	1.336	-0.692	0				
520_705	83.68	87.36	1.53	0.484	0.506	12.64	59.23	60.56	1.481	-0.014	77	40	576	20	475
380_520	14.44	12.63	84.96	0.128	0.112	-12.64	-59.23	60.56	0.335	-5.138	257	20	475	40	576
P45	99.2	100.0	76.07	0.36	0.363	0.0	0.0	0.0	1.378	-0.608	0				
520_705	86.6	88.25	1.48	0.491	0.5	12.74	52.51	54.04	1.522	-0.013	76	40	577	20	476
380_520	12.6	11.74	74.58	0.127	0.118	-12.74	-52.51	54.04	0.293	-5.079	256	20	476	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	90.3	89.29	1.42	0.498	0.493	12.71	45.06	46.82	1.576	-0.012	74	40	578	20	477
380_520	10.62	10.7	63.26	0.125	0.126	-12.71	-45.06	46.82	0.246	-4.727	254	20	477	40	578
P35	103.66	100.0	52.43	0.404	0.39	0.0	0.0	0.0	1.509	-0.419	0				
520_705	95.14	90.52	1.35	0.508	0.484	12.45	36.89	38.93	1.647	-0.011	71	40	579	20	478
380_520	8.52	9.47	51.08	0.123	0.137	-12.45	-36.89	38.93	0.195	-4.313	251	20	478	40	579
P30	108.04	100.0	39.55	0.436	0.403	0.0	0.0	0.0	1.616	-0.316	0				
520_705	101.66	91.97	1.24	0.521	0.471	11.81	28.1	30.48	1.744	-0.01	67	41	581	20	479
380_520	6.37	8.02	38.3	0.12	0.152	-11.81	-28.1	30.48	0.143	-3.82	247	20	479	41	581

CEY31-3N YAB2, YB, Pxx

Code	X	Y	Z	x	y	A ₂	B ₂	C _{AB2}	a ₂	b ₂	h _{AB2}	i _d	λ _d	i _c	λ _c
P65	96.86	99.99	112.33	0.313	0.323	0.0	0.0	0.0	1.257	-0.898	0				
470_570	18.52	56.71	33.06	0.171	0.523	-58.07	24.51	63.03	0.233	-0.466	157	26	509	-1	509c
570_470	78.34	43.28	79.26	0.389	0.215	58.07	-24.51	63.03	2.598	-1.465	337	-1	509c	26	509
P60	97.06	99.99	104.57	0.321	0.331	0.0	0.0	0.0	1.277	-0.836	0				
470_570	18.28	55.91	31.52	0.172	0.528	-58.12	21.56	61.99	0.238	-0.45	159	26	509	-1	

see similar files: <http://farbe.li-tu-berlin.de/CEY3/CEY3.HTM>
technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20220401-CEY3/CEY3L0NP.PDF /.PS
application for evaluation and measurement of display or print output
TUB material: code=rha4ta

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
P65	96.73	99.99	111.64	0.313	0.324	0.0	0.0	0.0	1.57	-1.116	0				
520_705	77.29	79.23	1.0	0.49	0.502	25.5	87.44	91.09	1.892	-0.012	73	39	572	19	471
380_520	19.43	20.76	110.63	0.128	0.137	-25.5	-87.44	91.09	0.342	-5.326	253	19	471	39	572
P60	97.09	99.99	104.01	0.322	0.332	0.0	0.0	0.0	1.599	-1.04	0				
520_705	79.04	80.05	0.99	0.493	0.5	25.57	82.27	86.15	1.918	-0.012	72	39	572	19	471
380_520	18.04	19.94	103.02	0.127	0.141	-25.57	-82.27	86.15	0.317	-5.164	252	19	471	39	572
P55	97.65	100.0	95.55	0.333	0.341	0.0	0.0	0.0	1.635	-0.955	0				
520_705	81.14	80.99	0.97	0.497	0.496	25.57	76.42	80.58	1.95	-0.012	71	39	573	19	472
380_520	16.5	19.0	94.57	0.126	0.146	-25.57	-76.42	80.58	0.289	-4.977	251	19	472	39	573
P50	98.51	100.0	86.17	0.346	0.351	0.0	0.0	0.0	1.679	-0.861	0				
520_705	83.69	82.09	0.95	0.501	0.492	25.46	69.79	74.29	1.99	-0.011	69	39	574	19	472
380_520	14.81	17.9	85.21	0.125	0.151	-25.46	-69.79	74.29	0.257	-4.76	249	19	472	39	574
P45	99.8	100.0	75.8	0.362	0.362	0.0	0.0	0.0	1.737	-0.758	0				
520_705	86.84	83.38	0.92	0.507	0.487	25.18	62.28	67.18	2.039	-0.011	67	40	575	19	473
380_520	12.95	16.61	74.88	0.124	0.159	-25.18	-62.28	67.18	0.221	-4.507	247	19	473	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	90.8	84.9	0.88	0.514	0.48	24.63	53.82	59.19	2.101	-0.01	65	40	576	19	474
380_520	10.94	15.09	63.55	0.122	0.168	-24.63	-53.82	59.19	0.179	-4.209	245	19	474	40	576
P35	104.71	100.0	52.16	0.407	0.389	0.0	0.0	0.0	1.911	-0.521	0				
520_705	95.92	86.69	0.83	0.522	0.472	23.65	44.38	50.28	2.184	-0.009	61	40	577	20	475
380_520	8.79	13.3	51.32	0.119	0.181	-23.65	-44.38	50.28	0.134	-3.856	241	20	475	40	577
P30	109.29	99.99	39.19	0.439	0.402	0.0	0.0	0.0	2.049	-0.391	0				
520_705	102.72	88.8	0.77	0.534	0.461	21.96	34.04	40.51	2.296	-0.008	57	40	579	20	476
380_520	6.56	11.19	38.42	0.116	0.199	-21.96	-34.04	40.51	0.086	-3.433	237	20	476	40	579

CEY30-3N YAB1, YB, Pxx

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
P65	96.73	99.99	111.64	0.313	0.324	0.0	0.0	0.0	1.57	-1.116	0				
470_570	20.49	57.7	28.14	0.192	0.542	-68.63	36.28	77.63	0.381	-0.487	152	26	509	-1	509c
570_470	76.24	42.29	83.5	0.377	0.209	68.63	-36.28	77.63	3.193	-1.974	332	-1	509c	26	509
P60	97.09	99.99	104.01	0.322	0.332	0.0	0.0	0.0	1.599	-1.04	0				
470_570	20.33	56.95	26.89	0.195	0.546	-68.9	32.35	76.11	0.389	-0.472	154	26	509	-1	509c
570_470	76.75	43.04	77.12	0.389	0.218	68.9	-32.35	76.11	3.199	-1.791	334	-1	509c	26	509
P55	97.65	100.0	95.55	0.333	0.341	0.0	0.0	0.0	1.635	-0.955	0				
470_570	20.13	56.02	25.44	0.198	0.551	-69.21	28.08	74.69	0.399	-0.454	157	26	508	-1	508c
570_470	77.51	43.97	70.1	0.404	0.229	69.21	-28.08	74.69	3.209	-1.594	337	-1	508c	26	508
P50	98.51	100.0	86.17	0.346	0.351	0.0	0.0	0.0	1.679	-0.861	0				
470_570	19.88	54.87	23.77	0.201	0.556	-69.58	23.51	73.44	0.412	-0.433	161	26	508	-1	508c
570_470	78.62	45.12	62.39	0.422	0.242	69.58	-23.51	73.44	3.222	-1.382	341	-1	508c	26	508
P45	99.8	100.0	75.8	0.362	0.362	0.0	0.0	0.0	1.737	-0.758	0				
470_570	19.55	53.42	21.83	0.206	0.563	-69.98	18.66	72.43	0.427	-0.408	165	26	507	-1	507c
570_470	80.24	46.57	53.97	0.443	0.257	69.98	-18.66	72.43	3.239	-1.158	345	-1	507c	26	507
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.811	-0.644	0				
470_570	19.11	51.54	19.55	0.211	0.571	-70.39	13.65	71.71	0.445	-0.379	169	26	507	-1	507c
570_470	82.63	48.45	44.88	0.469	0.275	70.39	-13.65	71.71	3.264	-0.926	349	-1	507c	26	507
P35	104.71	100.0	52.16	0.407	0.389	0.0	0.0	0.0	1.911	-0.521	0				
470_570	18.5	49.05	16.9	0.219	0.58	-70.71	8.68	71.24	0.469	-0.344	172	26	506	-1	506c
570_470	86.2	50.94	35.26	0.499	0.295	70.71	-8.68	71.24	3.299	-0.692	352	-1	506c	26	506
P30	109.29	99.99	39.19	0.439	0.402	0.0	0.0	0.0	2.049	-0.391	0				
470_570	17.64	45.67	13.81	0.228	0.592	-70.68	4.09	70.8	0.501	-0.302	176	26	506	-1	506c
570_470	91.65	54.32	25.38	0.534	0.317	70.68	-4.09	70.8	3.35	-0.467	356	-1	506c	26	506

CEY30-7N YAB1, GM, Pxx

TUB-test chart CEY3; YB and GM data; 8 illuminants Pxx; 10°-CIE observer
CIEXYZ, YABCAbh₁, and YABCAbh₂ 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
P65	96.73	99.99	111.64	0.313	0.324	0.0	0.0	0.0	1.256	-0.893	0				
520_705	77.29	79.23	1.0	0.49	0.502	20.4	69.95	72.87	1.513	-0.01	73	39	572	19	471
380_520	19.43	20.76	110.63	0.128	0.137	-20.4	-69.95	72.87	0.273	-4.261	253	19	471	39	572
P60	97.09	99.99	104.01	0.322	0.332	0.0	0.0	0.0	1.279	-0.832	0				
520_705	79.04	80.05	0.99	0.493	0.5	20.45	65.82	68.92	1.535	-0.009	72	39	572	19	471
380_520	18.04	19.94	103.02	0.127	0.141	-20.45	-65.82	68.92	0.253	-4.131	252	19	471	39	572
P55	97.65	100.0	95.55	0.333	0.341	0.0	0.0	0.0	1.308	-0.764	0				
520_705	81.14	80.99	0.97	0.497	0.496	20.45	61.13	64.46	1.56	-0.009	71	39	573	19	472
380_520	16.5	19.0	94.57	0.126	0.146	-20.45	-61.13	64.46	0.231	-3.981	251	19	472	39	573
P50	98.51	100.0	86.17	0.346	0.351	0.0	0.0	0.0	1.343	-0.689	0				
520_705	83.69	82.09	0.95	0.501	0.492	20.37	55.83	59.43	1.592	-0.009	69	39	574	19	472
380_520	14.81	17.9	85.21	0.125	0.151	-20.37	-55.83	59.43	0.205	-3.808	249	19	472	39	574
P45	99.8	100.0	75.8	0.362	0.362	0.0	0.0	0.0	1.389	-0.606	0				
520_705	86.84	83.38	0.92	0.507	0.487	20.14	49.83	53.75	1.631	-0.008	67	40	575	19	473
380_520	12.95	16.61	74.88	0.124	0.159	-20.14	-49.83	53.75	0.176	-3.605	247	19	473	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	90.8	84.9	0.88	0.514	0.48	19.7	43.06	47.35	1.681	-0.008	65	40	576	19	474
380_520	10.94	15.09	63.55	0.122	0.168	-19.7	-43.06	47.35	0.143	-3.367	245	19	474	40	576
P35	104.71	100.0	52.16	0.407	0.389	0.0	0.0	0.0	1.529	-0.417	0				
520_705	95.92	86.69	0.83	0.522	0.472	18.92	35.5	40.23	1.747	-0.007	61	40	577	20	475
380_520	8.79	13.3	51.32	0.119	0.181	-18.92	-35.5	40.23	0.107	-3.085	241	20	475	40	577
P30	109.29	99.99	39.19	0.439	0.402	0.0	0.0	0.0	1.639	-0.313	0				
520_705	102.72	88.8	0.77	0.534	0.461	17.57	27.23	32.41	1.837	-0.006	57	40	579	20	476
380_520	6.56	11.19	38.42	0.116	0.199	-17.57	-27.23	32.41	0.068	-2.746	237	20	476	40	579

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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
P65	96.73	99.99	111.64	0.313	0.324	0.0	0.0	0.0	1.256	-0.893	0				
470_570	20.49	57.7	28.14	0.192	0.542	-54.9	29.02	62.1	0.304	-0.39	152	26	509	-1	509c
570_470	76.24	42.29	83.5	0.377	0.209	54.9	-29.02	62.1	2.554	-1.579	332	-1	509c	26	509
P60	97.09	99.99	104.01	0.322	0.332	0.0	0.0	0.0	1.279	-0.832	0				
470_570	20.33	56.95	26.89	0.195	0.546	-55.12	25.88	60.89	0.311	-0.377	154	26	509	-1	509c
570_470	76.75	43.04	77.12	0.389	0.218	55.12	-25.88	60.89	2.559	-1.433	334	-1	509c	26	509
P55	97.65	100.0	95.55	0.333	0.341	0.0	0.0	0.0	1.308	-0.764	0				
470_570	20.13	56.02	25.44	0.198	0.551	-55.37	22.47	59.75	0.319	-0.363	157	26	508	-1	508c
570_470	77.51	43.97	70.1	0.404	0.229	55.37	-22.47	59.75	2.567	-1.275	337	-1	508c	26	508
P50	98.51	100.0	86.17	0.346	0.351	0.0	0.0	0.0	1.343	-0.689	0				
470_570	19.88	54.87	23.77	0.201	0.556	-55.66	18.8	58.75	0.329	-0.346	161	26	508	-1	508c
570_470	78.62	45.12	62.39	0.422	0.242	55.66	-18.8	58.75	2.577	-1.106	341	-1	508c	26	508
P45	99.8	100.0	75.8	0.362	0.362	0.0	0.0	0.0	1.389	-0.606	0				
470_570	19.55	53.42	21.83	0.206	0.563	-55.98	14.93	57.94	0.341	-0.326	165	26	507	-1	507c
570_470	80.24	46.57	53.97	0.443	0.257	55.98	-14.93	57.94	2.591	-0.927	345	-1	507c	26	507
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.449	-0.515	0				
470_570	19.11	51.54	19.55	0.211	0.571	-56.31	10.92	57.36	0.356	-0.303	169	26	507	-1	507c
570_470	82.63	48.45	44.88	0.469	0.275	56.31	-10.92	57.36	2.611	-0.741	349	-1	507c	26	507
P35	104.71	100.0	52.16	0.407	0.389	0.0	0.0	0.0	1.529	-0.417	0				
470_570	18.5	49.05	16.9	0.219	0.58	-56.57	6.94	56.99	0.375	-0.275	172	26	506	-1	506c
570_470	86.2	50.94	35.26	0.499	0.295	56.57	-6.94	56.99	2.639	-0.553	352	-1	506c	26	506
P30	109.29	99.99	39.19	0.439	0.402	0.0	0.0	0.0	1.639	-0.313	0				
470_570	17.64	45.67	13.81	0.228	0.592	-56.55	3.27	56.64	0.401	-0.241	176	26	506	-1	506c
570_470	91.65	54.32	25.38	0.534	0.317	56.55	-3.27	56.64	2.68	-0.373	356	-1	506c	26	506