

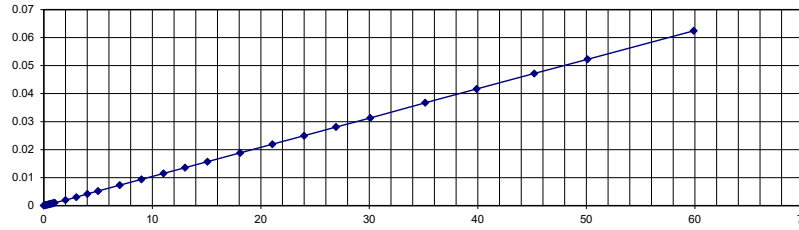
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-N
Lot #:	31451
URNS/RATIO:	1000
DATE:	June 17, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	1
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000597796	0.000597796	2.93655E-05	0.000894453	-0.000597261	104.9166885	20.35710101	97.9642899
0.1A	0.100455322	0.100455322	0.000118683	0.000991701	-0.000498174	123.8236621	846.4145152	15.35854848
0.2A	0.200665888	0.200665888	0.000218062	0.000968058	-0.00040354	154.0373633	920.2227817	7.977721834
0.3A	0.299840502	0.299840502	0.000314069	0.000986596	-0.000301975	204.0051013	954.6962066	4.530379341
0.4A	0.399442541	0.399442541	0.000412336	0.001032108	-0.000185528	322.2496673	968.7307988	3.12692012
0.5A	0.499531871	0.499531871	0.000515639	0.000932	-0.000132232	489.9501343	968.7629338	3.123706617
0.6A	0.599608248	0.599608248	0.00060891	0.001023938	1.61657E-05	-3666.682053	984.7236871	1.527631293
0.7A	0.703096814	0.703096814	0.000714876	0.000958124	7.58581E-05	-842.3863174	983.5227261	1.647727387
0.8A	0.801478611	0.801478611	0.000809138	0.001087295	0.000273648	-195.686008	990.5338953	0.946610472
0.9A	0.899650369	0.899650369	0.00091588	0.000997201	0.000299336	-205.9704409	982.2801097	1.771989026
1A	1.00171669	1.00171669	0.00101766	0.000995342	0.000399254	-154.8901935	984.3331113	1.566688867
2A	1.99681523	1.99681523	0.002008123	0.001001383	0.001401781	-43.25513004	994.3688467	0.563115328
3A	2.99719279	2.99719279	0.003009884	0.001164866	0.002893532	-4.021122531	995.7833365	0.421666352
4A	4.01823168	0.040182317	0.004199258	0.00104471	0.003600092	-16.64308324	956.890893	4.310910703
5A	5.00354676	0.050035468	0.005228627	0.001042774	0.00461977	-13.17937005	956.9523864	4.304761358
7A	7.00218904	0.035010945	0.007312758	0.001041448	0.00669462	-9.23336022	957.5305439	4.246945608
9A	9.00334842	0.045016742	0.009396861	0.001032239	0.008695812	-8.061913977	958.1229498	4.187705017
11A	11.0283914	0.022056783	0.01148719	0.001040358	0.010875679	-5.622737914	960.0599966	3.994000343
13A	13.0127159	0.026025432	0.013551598	0.001041048	0.012949064	-4.653106161	960.2348213	3.976517868
15A	15.08367105	0.030167342	0.015707561	0.001041678	0.015114533	-3.923559669	960.280915	3.971908497
18A	18.0963771	0.036192754	0.018845831	0.00104067	0.018234561	-3.352261832	960.2323873	3.976761269
21A	21.06614805	0.042132296	0.021936382	0.001039151	0.021293108	-3.02104517	960.3291811	3.967081892
24A	23.9871191	0.047974238	0.024971712	0.001052025	0.024637244	-1.357570645	960.5716854	3.942831456
27A	26.933173	0.026933173	0.028071033	0.001025975	0.027034959	-3.832348246	959.4649827	4.053501729
30A	30.0934557	0.030093456	0.031313403	0.001068901	0.031569117	0.810012002	961.0407307	3.895926929
35A	35.1606154	0.035160615	0.036729693	0.001044334	0.036121618	-1.683409908	957.2804053	4.271959474
40A	39.8943846	0.039894385	0.041673328	0.001041931	0.040969411	-1.718150203	957.3121945	4.268780553
45A	45.1994187	0.045199419	0.047200809	0.001028566	0.045892784	-2.850175518	957.5984	4.240159996
50A	50.1056366	0.050105637	0.052247177	0.001040333	0.051528742	-1.39424071	959.01137	4.098863003
60A	59.8998298	0.029949915	0.062436397	0.001042347	0.061838601	-0.96703559	959.3735753	4.062642474

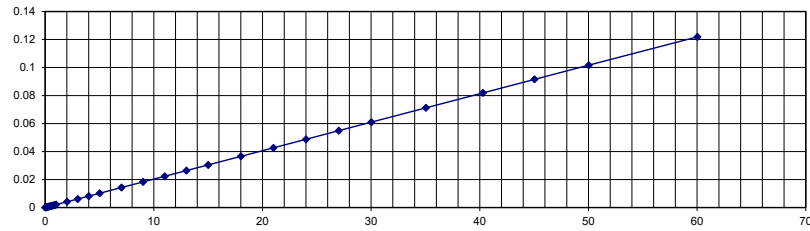
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-N
Lot #:	31451
TURNS/RATIO:	1000
DATE:	June 17, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	2
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.00065452	0.00065452	6.05834E-05	0.001593563	-0.000653477	109.2709291	21.60724331	97.83927567
0.1A	0.100206193	0.100206193	0.000219225	0.002030724	-0.000451029	148.6055964	914.1846089	8.58153911
0.2A	0.199423959	0.199423959	0.000420709	0.00198272	-0.000259118	262.3618906	948.0371122	5.196288775
0.3A	0.300393949	0.300393949	0.000620904	0.002137842	-1.23254E-05	5137.614577	967.6013158	3.239868416
0.4A	0.399661689	0.399661689	0.000833123	0.001888703	0.000100322	-730.445959	959.4301228	4.056987719
0.5A	0.502164671	0.502164671	0.001026721	0.002176417	0.0004384	-134.1973573	978.1912787	2.18087213
0.6A	0.599594615	0.599594615	0.001238769	0.001920327	0.000496898	-149.3006371	968.049096	3.195090397
0.7A	0.701069207	0.701069207	0.001433633	0.002064311	0.000792705	-80.85340168	978.0313462	2.196865376
0.8A	0.80115794	0.80115794	0.001640248	0.002099814	0.001027762	-59.59404376	976.8743581	2.312564189
0.9A	0.90447124	0.90447124	0.001857186	0.001917226	0.001079555	-72.03251476	974.0231399	2.59768601
1A	0.999061541	0.999061541	0.002038537	0.002046284	0.001389843	-46.67389856	980.174894	1.982510597
2A	2.00963554	2.00963554	0.004106458	0.002026985	0.003418982	-20.10764781	978.768259	2.123174102
3A	2.99273202	2.99273202	0.00609918	0.002022819	0.005399236	-12.96377291	981.3554687	1.864453132
4A	4.00252684	0.040025268	0.008141813	0.002024032	0.007446721	-9.334201154	983.2028733	1.679712668
5A	5.00413998	0.0500414	0.010169109	0.002034558	0.009526693	-6.743334432	984.1845108	1.581548921
7A	7.01184998	0.03505925	0.014253912	0.002029647	0.013577063	-4.985239066	983.8492236	1.615077635
9A	9.00727594	0.04503638	0.018303923	0.002019628	0.017536831	-4.374176053	984.1907757	1.580922433
11A	10.9988674	0.021997735	0.022326198	0.002030739	0.021681314	-2.974375846	985.2880142	1.471198577
13A	13.0043207	0.026008641	0.026398751	0.002029373	0.025736098	-2.574799314	985.222437	1.4777563
15A	14.9999981	0.02999996	0.030448725	0.002030167	0.029797976	-2.183868043	985.2628211	1.473717889
18A	18.0089656	0.036017931	0.03655743	0.002031846	0.035936931	-1.726633543	985.2424309	1.475756912
21A	21.0043832	0.042008766	0.042643658	0.002031279	0.042011234	-1.5053706	985.1116924	1.488830755
24A	24.00296935	0.048005939	0.048734622	0.002048032	0.048504339	-0.474768984	985.0479317	1.495206834
27A	27.0097657	0.027009766	0.054892638	0.002030649	0.054192822	-1.291345981	984.0942788	1.590572116
30A	30.0092125	0.030009213	0.060983461	0.002032286	0.060332774	-1.078496203	984.175452	1.582454798
35A	35.0415673	0.035041567	0.071210644	0.00203012	0.070484075	-1.030825808	984.166577	1.583343226
40A	40.2857928	0.040285793	0.081857052	0.002038144	0.08145371	-0.495179836	984.2962058	1.570379424
45A	45.0298112	0.045029811	0.091526043	0.00203417	0.090943782	-0.64024277	983.9781109	1.602188907
50A	50.0175823	0.050017582	0.101672018	0.002022613	0.100511686	-1.154425096	983.90065	1.609934997
60A	60.026907	0.030013454	0.121917007	0.002031039	0.121262487	-0.53975474	984.71753	1.528246998

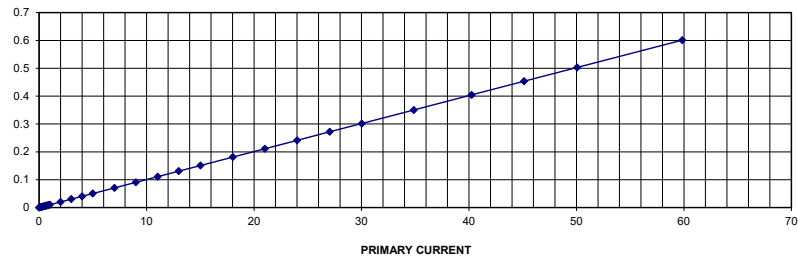
CURRENT TRANSFORMER CHARACTERISTICS TEST

PRODUCT:	CR8349-1000-N
Lot #:	31451
TURNS/RATIO:	1000
DATE:	June 17, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	10
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR		Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.00060359	0.00060359	4.14462E-05	0.009925146	-0.0005976	106.9354472	145.6322309	85.43677691	
0.1A	0.098294701	0.098294701	0.001011045	0.010012306	0.000380566	-165.6685287	972.2091726	2.779082743	
0.2A	0.200259166	0.200259166	0.002031944	0.009998853	0.001398771	-45.26634817	985.5544363	1.444556372	
0.3A	0.301187186	0.301187186	0.003041109	0.010157224	0.002455635	-23.84203251	990.3861474	0.961385256	
0.4A	0.398647464	0.398647464	0.004031034	0.010046027	0.003401233	-18.51686858	988.9458028	1.105419716	
0.5A	0.500076678	0.500076678	0.005049995	0.01002949	0.004411924	-14.46243433	990.2518103	0.974818968	
0.6A	0.600666025	0.600666025	0.006058855	0.010006491	0.005406969	-12.05640111	991.3853904	0.861460964	
0.7A	0.702375231	0.702375231	0.007076607	0.010007978	0.006425765	-10.12862834	992.5310381	0.746896194	
0.8A	0.800586337	0.800586337	0.008059502	0.010138082	0.007512819	-7.276662639	993.3446978	0.66553022	
0.9A	0.901383997	0.901383997	0.009081397	0.009924881	0.008342538	-8.856515358	992.5609758	0.743902422	
1A	1.00226698	1.00226698	0.010082648	0.010053646	0.009472847	-6.437356384	994.0513149	0.594868513	
2A	2.00070231	2.00070231	0.020120564	0.010050765	0.019504998	-3.155941553	994.3569723	0.56430277	
3A	3.0005502	3.0005502	0.030164823	0.010031276	0.029490791	-2.285568016	994.5541633	0.544583671	
4A	4.00934855	0.040093486	0.040289325	0.010046769	0.03967741	-1.542225461	995.1391641	0.486083593	
5A	5.00309955	0.050030996	0.050273313	0.010054055	0.049697847	-1.157927565	995.1800073	0.481999271	
7A	7.01562364	0.035078118	0.07050734	0.010048817	0.069895125	-0.875904947	995.0203213	0.497967869	
9A	8.99922238	0.044996112	0.09044016	0.010027978	0.089640411	-0.892174668	995.0471494	0.495285057	
11A	11.03462225	0.022069245	0.110851105	0.010042885	0.110215851	-0.576372969	995.4453995	0.455460052	
13A	13.00461695	0.026009234	0.130635535	0.010049852	0.130090886	-0.418668076	995.4884749	0.451152514	
15A	15.0147146	0.030029429	0.150836719	0.01005496	0.150368758	-0.311209195	995.4283479	0.457165208	
18A	18.03394405	0.036067888	0.181194949	0.010050443	0.18064553	-0.304141912	995.278519	0.472148095	
21A	21.0064379	0.042012876	0.211069828	0.010041077	0.210323665	-0.354768779	995.2364153	0.476358468	
24A	24.0072091	0.048014418	0.241200802	0.0101701	0.243552124	0.965428833	995.3204509	0.467954912	
27A	27.0457941	0.027045794	0.272103515	0.009950089	0.268504462	-1.340407	993.9523971	0.604760288	
30A	30.0205569	0.030020557	0.301702669	0.010022402	0.300274489	-0.475624875	995.0378298	0.496217022	
35A	34.8745727	0.034874573	0.350351565	0.010094237	0.351428613	0.30647692	995.4164954	0.458350457	
40A	40.2506868	0.040250687	0.404619335	0.010039948	0.403511212	-0.274620164	994.7791249	0.522087507	
45A	45.1327841	0.045132784	0.453635338	0.010003277	0.450872151	-0.612853667	994.9133218	0.508667823	
50A	50.0653194	0.050065319	0.502976855	0.010032826	0.501693027	-0.255899114	995.3801831	0.461981695	
60A	59.8419312	0.029920966	0.601063896	0.010044193	0.600460306	-0.100521282	995.6001616	0.439983838	

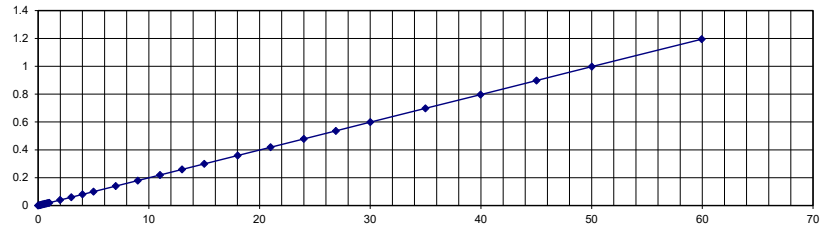
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-N
Lot #:	31451
TURNS/RATIO:	1000
DATE:	June 17, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	20
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR		Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000650808	0.000650808	4.35071E-05	0.019740265	-0.00063796	106.8197149	299.1731489	70.08268511	
0.1A	0.100629948	0.100629948	0.002017122	0.020059583	0.001367787	-47.47336354	997.7577804	0.224221959	
0.2A	0.201699437	0.201699437	0.004044534	0.019822284	0.003347336	-20.82842951	997.3928242	0.26071758	
0.3A	0.300782898	0.300782898	0.006008594	0.020058863	0.005382555	-11.630881	1001.175629	-0.117562942	
0.4A	0.399737386	0.399737386	0.007993509	0.019825573	0.007274215	-9.888264132	1000.155013	-0.015501328	
0.5A	0.500456609	0.500456609	0.009990325	0.020042789	0.009379738	-6.509632037	1001.88255	-0.188255039	
0.6A	0.599330067	0.599330067	0.011972025	0.019888641	0.011269053	-6.238071044	1001.217558	-0.121755846	
0.7A	0.70117714	0.70117714	0.013997625	0.019905779	0.01330667	-5.19254593	1001.851614	-0.185161417	
0.8A	0.800269529	0.800269529	0.015970136	0.019985241	0.015342772	-4.088986116	1002.207544	-0.220754416	
0.9A	0.901440122	0.901440122	0.017992055	0.019970966	0.017351822	-3.689711102	1002.042454	-0.20424538	
1A	1.00104919	1.00104919	0.019981344	0.019938023	0.019308135	-3.486661153	1001.983851	-0.198385056	
2A	1.99525102	1.99525102	0.039803763	0.019925013	0.039104595	-1.787943821	1002.543913	-0.254391274	
3A	2.99220483	2.99220483	0.059668081	0.019889119	0.058861511	-1.37028282	1002.949917	-0.294991724	
4A	4.00881873	0.040088187	0.079887636	0.019941368	0.079290523	-0.753069446	1003.61431	-0.361431023	
5A	5.00069345	0.050006935	0.099666975	0.019919133	0.098958669	-0.715759871	1003.480531	-0.348053104	
7A	7.00578668	0.035028933	0.139606693	0.019928022	0.138960663	-0.464901253	1003.646248	-0.364624782	
9A	9.01163132	0.045058157	0.179579209	0.019943866	0.179075963	-0.281023689	1003.638603	-0.363860273	
11A	11.00574015	0.02201148	0.219349449	0.019929527	0.218688388	-0.302284381	1003.4892	-0.348919956	
13A	13.00994095	0.026019882	0.259292223	0.019921839	0.258531138	-0.294388085	1003.496426	-0.349642573	
15A	15.01784115	0.030035682	0.299293287	0.019928725	0.298635622	-0.220223139	1003.553491	-0.355349099	
18A	18.02415035	0.036048301	0.359205197	0.019922829	0.358441252	-0.213129764	1003.557326	-0.355732604	
21A	21.00453225	0.042009065	0.418582835	0.019924984	0.417864162	-0.171987302	1003.602178	-0.360217829	
24A	24.00686555	0.048013731	0.478404278	0.020019983	0.479966235	0.325430691	1003.622528	-0.362252822	
27A	26.8995575	0.026899558	0.536315922	0.020126983	0.540756137	0.821112293	1003.123584	-0.312358431	
30A	30.0175186	0.030017519	0.599071073	0.019906744	0.596900249	-0.36368296	1002.135471	-0.213547116	
35A	34.9869965	0.034986997	0.697997197	0.019766279	0.690911923	-1.02549593	1002.496762	-0.249676218	
40A	39.9720536	0.039972054	0.796533226	0.020013453	0.799328017	0.349642588	1003.650627	-0.365062738	
45A	45.02735	0.04502735	0.897707164	0.020050542	0.902171966	0.494894781	1003.163432	-0.316343248	
50A	50.0182658	0.050018266	0.997777731	0.019815565	0.990489404	-0.735830858	1002.593348	-0.259334812	
60A	59.9491028	0.029974551	1.19456288	0.019926285	1.193912072	-0.054510509	1003.699408	-0.369940844	

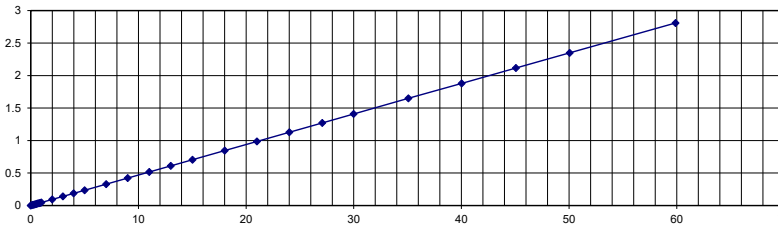
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-N
Lot #:	31451
TURNS/RATIO:	1000
DATE:	June 17, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	47
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR		Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000654125	0.000654125	4.97099E-05	0.046950952	-0.000623413	107.9738299	618.465729	38.1534271	
0.1A	0.100512549	0.100512549	0.004738158	0.046784833	0.004048338	-17.03959309	997.0308763	0.296912367	
0.2A	0.199639579	0.199639579	0.0093758	0.04718913	0.008766693	-6.947962025	1000.774409	-0.077440894	
0.3A	0.301055525	0.301055525	0.01416153	0.047011084	0.013498822	-4.909378506	999.1582742	0.08417258	
0.4A	0.400180852	0.400180852	0.018821519	0.046973682	0.018143843	-3.73501755	999.3082994	0.06917006	
0.5A	0.500707514	0.500707514	0.023543626	0.04688153	0.022819809	-3.171881561	999.5594034	0.044059661	
0.6A	0.600344329	0.600344329	0.028214753	0.04703905	0.027585502	-2.281091676	1000.05071	-0.005070975	
0.7A	0.700935558	0.700935558	0.032946469	0.046839159	0.032177107	-2.391021438	999.924199	0.007580096	
0.8A	0.802786748	0.802786748	0.037717093	0.047051743	0.037118391	-1.612952461	1000.368121	-0.036812106	
0.9A	0.902843292	0.902843292	0.042424928	0.046876149	0.041667692	-1.817320528	1000.205238	-0.020523839	
1A	1.00148367	1.00148367	0.047048809	0.046976093	0.046391665	-1.416512368	1000.444727	-0.044472731	
2A	2.002003	2.002003	0.094049298	0.046892208	0.093224216	-0.885050999	1000.476806	-0.047680632	
3A	3.00282018	3.00282018	0.140979825	0.046798971	0.13987477	-0.790031388	1001.0833	-0.108330011	
4A	3.99550982	0.039955098	0.187436679	0.046926684	0.186841902	-0.318331523	1001.879475	-0.187947493	
5A	5.00441036	0.050044104	0.234781036	0.046966154	0.234383781	-0.169489235	1001.815525	-0.181552534	
7A	7.0123802	0.035061901	0.329087656	0.046964689	0.328680129	-0.123988963	1001.501768	-0.150176827	
9A	9.00915768	0.045045788	0.422865689	0.046755217	0.420571002	-0.545612352	1001.335464	-0.133546413	
11A	11.0120571	0.022024114	0.516511687	0.046974091	0.516627243	0.02236745	1002.042542	-0.204254178	
13A	13.0053065	0.026010613	0.610142765	0.047006104	0.610674669	0.087101007	1001.81374	-0.181374026	
15A	15.0320067	0.030064013	0.705410046	0.047042863	0.706494506	0.153498659	1001.551252	-0.155125222	
18A	18.0154078	0.036030816	0.845757775	0.046874051	0.843801024	-0.231897258	1001.142634	-0.114263401	
21A	21.015171	0.042030342	0.986368829	0.046976017	0.986554902	0.018860855	1001.362784	-0.136278435	
24A	24.0174526	0.048034905	1.12740406	0.046974497	1.127553636	0.01326551	1001.256171	-0.125617092	
27A	27.0751411	0.027075141	1.27103744	0.047186587	1.276929375	0.461414321	1001.175569	-0.11755686	
30A	29.9991803	0.02999918	1.40901287	0.047537259	1.425424678	1.15136267	1000.67324	-0.06732402	
35A	35.0733212	0.035073321	1.65022362	0.046288783	1.62284723	-1.686935736	998.922859	0.107714105	
40A	40.0217546	0.040021755	1.87928058	0.047026671	1.881435758	0.11454962	1000.92689	-0.092688991	
45A	45.0704322	0.045070432	2.11670308	0.046764962	2.107062937	-0.457515684	1000.75931	-0.07593098	
50A	50.0531979	0.050053198	2.34972193	0.046741898	2.338927355	-0.46151819	1001.182426	-0.118242557	
60A	59.8834754	0.029941738	2.80920776	0.046911235	2.808553635	-0.023290461	1001.8922	-0.189220031	

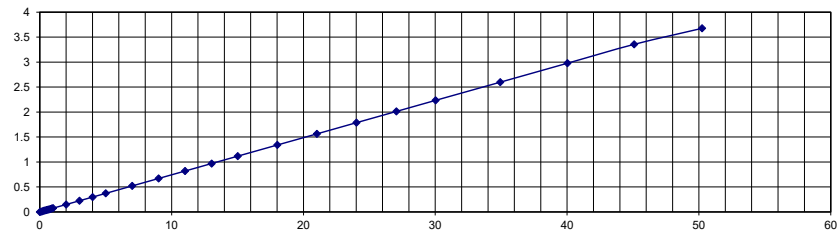
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-N
Lot #:	31451
TURNS/RATIO:	1000
DATE:	June 17, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	75
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60

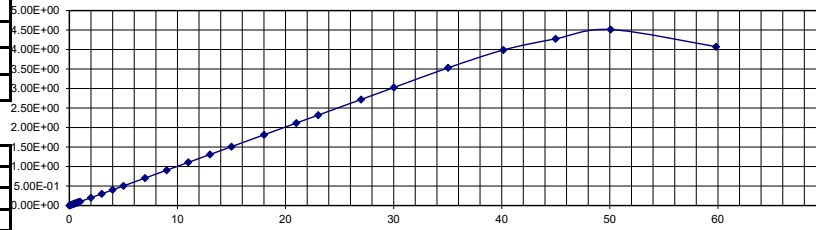


Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000593677	0.000593677	4.69483E-05	0.074542942	-0.000549423	108.5450232	948.400436	5.159956402
0.1A	0.100595116	0.100595116	0.00750135	0.074404496	0.006891052	-8.856379936	1005.770154	-0.577015356
0.2A	0.200861561	0.200861561	0.014961624	0.074442253	0.01435891	-4.197491095	1006.88381	-0.688380983
0.3A	0.300893307	0.300893307	0.022408213	0.074468604	0.021813428	-2.726691786	1007.086037	-0.708603706
0.4A	0.399754835	0.399754835	0.029770293	0.074335587	0.029122333	-2.224956574	1007.098352	-0.70983523
0.5A	0.500128075	0.500128075	0.037231596	0.074387025	0.036609363	-1.699656628	1007.467027	-0.746702674
0.6A	0.601247419	0.601247419	0.044753564	0.074463111	0.044177076	-1.304946498	1007.597002	-0.75970023
0.7A	0.701587734	0.701587734	0.052225216	0.074348959	0.05156864	-1.273206128	1007.541655	-0.754165485
0.8A	0.799772032	0.799772032	0.059525116	0.07428544	0.05881774	-1.202656948	1007.690646	-0.769064611
0.9A	0.901706787	0.901706787	0.067097384	0.074394681	0.066488512	-0.91575518	1007.908283	-0.790828337
1A	1.00013618	1.00013618	0.074420007	0.074316794	0.073733237	-0.931425484	1007.930748	-0.793074769
2A	2.00239056	2.00239056	0.148904339	0.074210737	0.148005202	-0.607503624	1008.562229	-0.856222867
3A	3.00122507	3.00122507	0.223028584	0.074324486	0.222470834	-0.250707131	1009.251264	-0.925126373
4A	4.00284198	0.04002842	0.297473246	0.074322543	0.296907719	-0.190472423	1009.210585	-0.92105846
5A	5.00393298	0.05003933	0.371876875	0.07432299	0.371313586	-0.151701611	1009.191479	-0.919147903
7A	7.00297134	0.035014857	0.520451384	0.074407719	0.52048145	0.005776556	1009.167939	-0.916793892
9A	9.0110991	0.045055496	0.669871591	0.07431778	0.669091206	-0.116633585	1008.898484	-0.88984838
11A	11.0118577	0.022023715	0.818563529	0.074517306	0.819980298	0.172780837	1008.949578	-0.894957843
13A	13.02659715	0.026053194	0.968696486	0.074558013	0.970643521	0.200592219	1008.566461	-0.856646057
15A	15.01879555	0.030037591	1.11723084	0.074412157	1.116987301	-0.021803177	1008.215694	-0.821569359
18A	18.0188056	0.036037611	1.34046806	0.074166379	1.33579588	-0.349767532	1008.163089	-0.816308894
21A	21.01773415	0.042035468	1.56288773	0.074729597	1.570053135	0.456379755	1008.600958	-0.86009577
24A	24.0188935	0.048037787	1.78716316	0.074346198	1.785119742	-0.114469518	1007.975686	-0.797568617
27A	27.0448645	0.027044865	2.0121326	0.074618047	2.017441284	0.263139441	1008.067181	-0.806718081
30A	30.0148999	0.0300149	2.23375084	0.074184763	2.226054568	-0.345735985	1007.77466	-0.777465964
35A	34.919632	0.034919632	2.59760723	0.074506524	2.60114673	0.136074614	1008.224942	-0.822494246
40A	40.0245887	0.040024589	2.97795981	0.074701306	2.98929539	0.379205761	1008.020371	-0.8020371
45A	45.0831685	0.045083169	3.35584233	0.062205433	2.80382434	-19.68803759	1007.567491	-0.756749126
50A	50.2371061	0.050237106	3.67644525	0.073181868	3.675851573	-0.016150732	1024.844028	-2.484402767

CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-N
Lot #:	31451
URNS/RATIO:	1000
DATE:	June 17, 2020
TESTER:	lb



TEST SETUP

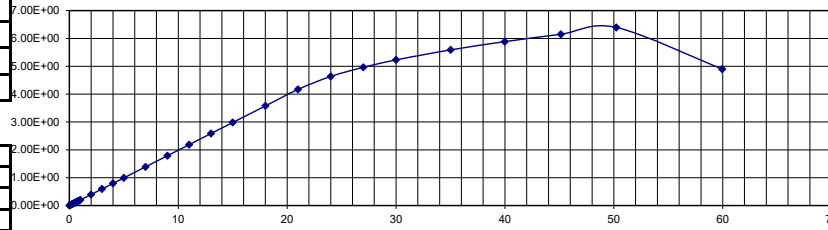
FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	100
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000513617	5.14E-04	7.18E-05	0.100769536	-0.00046186	115.5376113	715.7226096	28.42773904
0.1A	0.100933057	1.01E-01	1.02E-02	0.100727821	0.00965315	-5.571578818	990.4153794	0.958462062
0.2A	0.200019745	2.00E-01	2.02E-02	0.100805937	0.01964956	-2.657607514	991.5825874	0.841741264
0.3A	0.299950412	3.00E-01	3.02E-02	0.100685136	0.029686931	-1.881105634	991.7232993	0.827670068
0.4A	0.400017302	4.00E-01	4.03E-02	0.100659664	0.03975199	-1.43044816	992.0911115	0.790888851
0.5A	0.500314862	5.00E-01	5.04E-02	0.100753399	0.049894806	-1.04566906	992.3625461	0.763745387
0.6A	0.6010507	6.01E-01	6.06E-02	0.100545763	0.059919484	-1.07900515	992.3893247	0.761067531
0.7A	0.700564008	7.01E-01	7.06E-02	0.100638608	0.069990169	-0.830817945	992.698783	0.730121697
0.8A	0.801164757	8.01E-01	8.07E-02	0.100692689	0.080157816	-0.671379036	992.8186831	0.718131692
0.9A	0.900849613	9.01E-01	9.07E-02	0.1004838	0.090007175	-0.806980367	992.852101	0.714789896
1A	1.00028531	1.00E+00	1.01E-01	0.10057345	0.100088528	-0.636101225	993.0835476	0.691645244
2A	2.00173722	2.00E+00	2.01E-01	0.10051387	0.200688737	-0.37666752	993.6908531	0.630914695
3A	3.00046319	3.00E+00	3.02E-01	0.100555982	0.301200906	-0.209020485	994.0888706	0.591112936
4A	4.00283842	4.00E-02	4.03E-01	0.100623623	0.402266485	-0.089199256	994.1845135	0.581548645
5A	5.00362313	5.00E-02	5.03E-01	0.100709827	0.5034004	0.01440466	994.1080674	0.589193263
7A	7.0095456	3.50E-02	7.05E-01	0.100839412	0.706324837	0.138866067	993.7768932	0.622310682
9A	9.00498026	4.50E-02	9.07E-01	0.100437305	0.903922328	-0.292073788	993.3105303	0.668946967
11A	11.00208485	2.20E-02	1.11E+00	0.10066009	1.10702236	-0.011191307	993.7336508	0.626634918
13A	13.00537485	2.60E-02	1.31E+00	0.101038631	1.313531658	0.359503943	993.6797714	0.632022861
15A	15.00312885	3.00E-02	1.51E+00	0.100973622	1.514406637	0.247413517	993.1507378	0.68492622
18A	18.0148279	3.60E-02	1.81E+00	0.100784998	1.815110783	0.019218272	992.6826987	0.731730131
21A	21.00304435	4.20E-02	2.12E+00	0.100676462	2.113998572	-0.091332501	992.6155828	0.738441719
24A	23.0249549	4.60E-02	2.32E+00	0.10107745	2.326790111	0.313821636	992.6739656	0.732603444
27A	26.9928234	2.70E-02	2.72E+00	0.100891461	2.722831783	0.083795606	992.1825261	0.781747392
30A	30.0141768	3.00E-02	3.03E+00	0.100752341	3.023484945	-0.062642446	992.0799177	0.792008226
35A	35.036211	3.50E-02	3.53E+00	0.089487329	3.134783334	-12.6508678	992.144804	0.785519603
40A	40.1551072	4.02E-02	3.99E+00	0.059412483	2.385200998	-67.25789497	1006.535694	-0.653569417
45A	44.9915272	4.50E-02	4.28E+00	0.046642839	2.098018946	-103.8485262	1051.995189	-5.199518881
50A	50.0813145	5.01E-02	4.51E+00	-0.045224601	-2.265421073	299.2646261	1109.421492	-10.94214919
60A	59.8373732	2.99E-02	4.07E+00	0.088067309	4.072455353	-0.012611983	1469.134031	-46.91340307

CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-N
Lot #:	31451
TURNS/RATIO:	1000
DATE:	June 17, 2020
TESTER:	lb



TEST SETUP

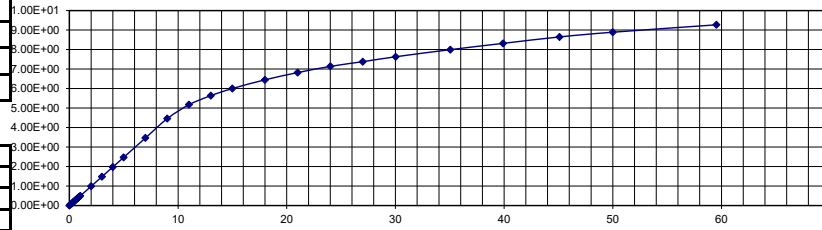
FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	200
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000461762	4.62E-04	1.23E-04	0.198491516	-0.000370106	133.341648	748.4017775	25.15982225
0.1A	0.099252441	9.93E-02	1.97E-02	0.198821995	0.019271807	-2.390562423	1005.978815	-0.597881531
0.2A	0.201391397	2.01E-01	4.00E-02	0.198253734	0.039464835	-1.457366989	1005.951481	-0.595148117
0.3A	0.300728053	3.01E-01	5.97E-02	0.198623907	0.059270019	-0.782564762	1006.893335	-0.68933349
0.4A	0.400741972	4.01E-01	7.96E-02	0.198260675	0.078989612	-0.771479007	1006.90202	-0.690202008
0.5A	0.50014239	5.00E-01	9.93E-02	0.19841815	0.098775566	-0.537206427	1007.273298	-0.727329754
0.6A	0.600547653	6.01E-01	1.19E-01	0.197761825	0.118303638	-0.781702642	1007.390097	-0.739009703
0.7A	0.701326476	7.01E-01	1.39E-01	0.198153659	0.138508645	-0.469270104	1007.952581	-0.795258073
0.8A	0.799852893	8.00E-01	1.59E-01	0.19773798	0.157699533	-0.622995824	1008.120541	-0.812054071
0.9A	0.900697708	9.01E-01	1.79E-01	0.198301392	0.178147848	-0.266631048	1008.491056	-0.849105611
1A	1.00058032	1.00E+00	1.98E-01	0.198275427	0.197928728	-0.253110255	1008.498516	-0.849851584
2A	2.00109388	2.00E+00	3.97E-01	0.198408858	0.39657299	-0.058997835	1008.598178	-0.859817834
3A	2.9999789	3.00E+00	5.95E-01	0.19859938	0.595332187	0.056706457	1008.405429	-0.84054293
4A	4.00737396	4.01E-02	7.95E-01	0.198881352	0.79653019	0.184244247	1008.064978	-0.806497849
5A	5.00166186	5.00E-02	9.93E-01	0.198720112	0.993469043	0.066543817	1007.578929	-0.757892903
7A	7.0049223	3.50E-02	1.39E+00	0.198828282	1.392314906	0.101903394	1007.253144	-0.725314427
9A	9.00991362	4.50E-02	1.79E+00	0.199374781	1.79588779	0.353180171	1006.950176	-0.695017645
11A	11.00203995	2.20E-02	2.19E+00	0.199009037	2.189043608	0.105927	1006.257381	-0.625738084
13A	13.0054538	2.60E-02	2.59E+00	0.198380369	2.579564961	-0.22706616	1006.060318	-0.606031754
15A	15.00773075	3.00E-02	2.98E+00	0.198311123	2.975738179	-0.231759001	1006.340512	-0.634051159
18A	18.01408965	3.60E-02	3.58E+00	0.198184054	3.569643561	-0.257324549	1006.702974	-0.670297439
21A	21.0047739	4.20E-02	4.17E+00	0.154311735	3.240821343	-28.71845184	1007.052493	-0.705249257
24A	24.01254625	4.80E-02	4.64E+00	0.109405894	2.626652339	-76.48584707	1035.990403	-3.59904034
27A	26.992829	2.70E-02	4.96E+00	0.088813804	2.396874052	-107.0083794	1088.040998	-8.804099751
30A	30.0016891	3.00E-02	5.23E+00	0.07181158	2.154006923	-142.7549505	1147.520656	-14.75206561
35A	35.0216678	3.50E-02	5.59E+00	0.059289796	2.075965767	-169.2458194	1253.134433	-25.3134433
40A	39.9846989	4.00E-02	5.88E+00	0.051870502	2.073564645	-183.748479	1359.166633	-35.91666326
45A	45.1340036	4.51E-02	6.15E+00	0.047785742	2.156300105	-185.2481038	1467.580339	-46.75803387
50A	50.2321343	5.02E-02	6.39E+00	-0.154296892	-7.75112398	182.4967209	1571.123254	-57.1123254
60A	59.9582088	3.00E-02	4.89E+00	0.08161885	4.893258288	-0.009436693	2450.414335	-145.0414335

CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-N
Lot #:	31451
TURNS/RATIO:	1000
DATE:	June 17, 2020
TESTER:	lb



TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	500
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR		Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000491889	4.92E-04	2.64E-04	0.493625687	-0.00024908	206.1235818		930.4358552	6.956414478
0.1A	0.100891931	1.01E-01	4.98E-02	0.494216791	0.049370598	-0.91911915		1012.475686	-1.247568552
0.2A	0.200546733	2.01E-01	9.91E-02	0.491648279	0.098106567	-0.987580509		1012.090964	-1.209096415
0.3A	0.300495514	3.00E-01	1.48E-01	0.492717428	0.147567488	-0.438854767		1013.714271	-1.371427114
0.4A	0.400469603	4.00E-01	1.97E-01	0.492641758	0.196796161	-0.344473432		1013.980218	-1.398021769
0.5A	0.501210446	5.01E-01	2.47E-01	0.491809799	0.24600832	-0.445065023		1014.17224	-1.417223961
0.6A	0.600399527	6.00E-01	2.96E-01	0.493115231	0.295574262	-0.105258324		1014.58127	-1.458126966
0.7A	0.700660184	7.01E-01	3.45E-01	0.492774139	0.34477533	-0.159554831		1014.492579	-1.449257853
0.8A	0.800816625	8.01E-01	3.95E-01	0.492460451	0.393878628	-0.203441452		1014.513969	-1.451396922
0.9A	0.899424513	8.99E-01	4.43E-01	0.49370592	0.443559318	0.071894049		1014.601176	-1.46011761
1A	1.00231556	1.00E+00	4.94E-01	0.494244677	0.494897241	0.173550577		1014.410695	-1.441069522
2A	2.00373556	2.00E+00	9.89E-01	0.494566242	0.990488078	0.151766571		1013.02642	-1.302642
3A	3.00007241	3.00E+00	1.48E+00	0.496157342	1.488016064	0.421812894		1012.34818	-1.234817995
4A	4.00075862	4.00E-02	1.98E+00	0.495722512	1.982774226	0.228820613		1011.192834	-1.119283353
5A	5.00234424	5.00E-02	2.47E+00	0.496103167	2.48118693	0.259599956		1010.67841	-1.067841001
7A	7.00191918	3.50E-02	3.47E+00	0.493967043	3.458225421	-0.246247957		1009.870468	-0.987046847
9A	9.01257648	4.51E-02	4.46E+00	0.356596245	3.213359041	-38.79369262		1010.392197	-1.039219663
11A	11.01310795	2.20E-02	5.17E+00	0.231311206	2.546963393	-103.1172374		1064.413604	-6.441360418
13A	13.0191463	2.60E-02	5.64E+00	0.183632504	2.390246541	-135.8476723		1154.72407	-15.47240705
15A	15.00506395	3.00E-02	6.00E+00	0.149092846	2.236655807	-168.3479435		1250.001191	-25.00011913
18A	18.00117195	3.60E-02	6.45E+00	0.123231646	2.217822155	-190.7680453		1395.71707	-39.57170702
21A	21.01556365	4.20E-02	6.82E+00	0.105842076	2.223838986	-206.6852692		1540.688323	-54.06883231
24A	24.02202	4.80E-02	7.14E+00	0.080833788	1.941298975	-267.712354		1682.592242	-68.25922421
27A	27.0063937	2.70E-02	7.38E+00	0.083433301	2.252740681	-227.5847261		1829.792119	-82.97921193
30A	30.0346614	3.00E-02	7.63E+00	0.072459942	2.175817935	-250.7780977		1967.604123	-96.76041227
35A	35.0509642	3.51E-02	8.00E+00	0.066289782	2.323028895	-244.1960531		2191.843167	-119.1843167
40A	39.9105353	3.99E-02	8.32E+00	0.06377355	2.54474461	-226.8663443		2399.07126	-139.907126
45A	45.1077704	4.51E-02	8.65E+00	0.049217723	2.219609881	-289.6792803		2607.57856	-160.757856
50A	50.0044148	5.00E-02	8.89E+00	0.039796786	1.989523129	-346.8589167		2812.282425	-181.2282425
60A	59.5349406	2.98E-02	9.27E+00	0.155700933	9.269153911	-0.005306728		3211.1284546	-221.1284546

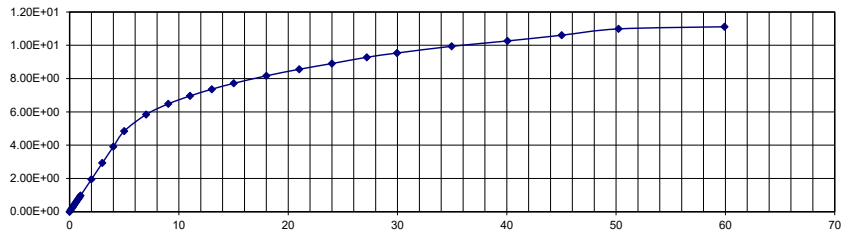
CURRENT TRANSFORMER CHARACTERISTICS TEST

PRODUCT:	CR8349-1000-N
Lot #:	31451
URNS/RATIO:	1000
DATE:	June 17, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	1000
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000480699	4.81E-04	5.54E-04	1.006990719	3.36043E-06	-18396.82379	867.1172116	13.28827884
0.1A	0.100526422	1.01E-01	1.01E-01	0.931936172	0.09320351	-8.686334527	992.3685985	0.763140154
0.2A	0.201203422	2.01E-01	1.95E-01	0.965989651	0.193879725	-0.641785589	1031.156621	-3.115662077
0.3A	0.299213914	2.99E-01	2.90E-01	0.970666152	0.28995612	0.053450119	1032.480121	-3.24801209
0.4A	0.400258959	4.00E-01	3.88E-01	0.970513234	0.387975918	0.024170378	1031.908703	-3.190870274
0.5A	0.501475655	5.01E-01	4.86E-01	0.971471714	0.486688715	0.11802811	1031.600324	-3.160032413
0.6A	0.600870971	6.01E-01	5.83E-01	0.975383297	0.58559881	0.499452246	1031.230064	-3.12300639
0.7A	0.698623259	6.99E-01	6.78E-01	0.971965163	0.678556771	0.079108778	1030.387432	-3.038743226
0.8A	0.803316251	8.03E-01	7.80E-01	0.975417207	0.783087795	0.422670532	1030.18595	-3.018594984
0.9A	0.899146656	8.99E-01	8.73E-01	0.978776163	0.879582615	0.719668061	1029.652494	-2.965249434
1A	1.00154812	1.00E+00	9.73E-01	0.9785824	0.979616665	0.626368738	1028.832076	-2.883207585
2A	1.99635763	2.00E+00	1.95E+00	0.982179881	1.9603016	0.679378644	1025.359174	-2.535917442
3A	2.99944239	3.00E+00	2.93E+00	0.977255217	2.930740027	-0.049590665	1022.934705	-2.293470478
4A	4.00360763	4.00E-02	3.91E+00	0.933573361	3.737180733	-4.718487001	1023.019821	-2.30198211
5A	5.00199504	5.00E-02	4.85E+00	0.497663709	2.488830707	-94.69331508	1032.278448	-3.227844834
7A	7.01136828	3.51E-02	5.85E+00	0.315283245	2.210086243	-164.4955222	1199.430903	-19.94309033
9A	9.02653236	4.51E-02	6.48E+00	0.239522259	2.161574724	-199.8243154	1392.784225	-39.2784225
11A	11.0247403	2.20E-02	6.96E+00	0.202495147	2.231975712	-211.8108258	1584.118676	-58.4118676
13A	13.0089999	2.60E-02	7.36E+00	0.176520841	2.29587891	-220.6329745	1767.204252	-76.72042518
15A	15.01776865	3.00E-02	7.72E+00	0.150929651	2.266145888	-240.4870988	1946.331823	-94.63318233
18A	18.0033851	3.60E-02	8.17E+00	0.131340806	2.364098408	-245.440461	2204.526969	-120.4526969
21A	21.02178595	4.20E-02	8.56E+00	0.114618696	2.409008995	-255.4570222	2454.958131	-145.4958131
24A	24.0091225	4.80E-02	8.91E+00	0.118144096	2.836055379	-214.0064304	2696.019559	-169.6019559
27A	27.2030154	2.72E-02	9.28E+00	0.091658314	2.49290182	-272.3666843	2930.495475	-193.0495475
30A	29.9689897	3.00E-02	9.54E+00	0.081017532	2.427532874	-292.8375386	3142.635423	-214.2635423
35A	34.9544541	3.50E-02	9.94E+00	0.06295109	2.199940279	-351.8381933	3516.484392	-251.6484392
40A	40.0655267	4.01E-02	1.03E+01	0.069705583	2.792310198	-267.5063754	3904.292229	-290.4292229
45A	45.0376105	4.50E-02	1.06E+01	0.072576655	3.268198421	-224.5977947	4245.426828	-324.5426828
50A	50.2385074	5.02E-02	1.10E+01	0.013143486	0.659828417	-1564.972806	4572.972274	-357.2972274
60A	59.9241038	3.00E-02	1.11E+01	0.185455693	11.1127855	-0.004325636	5392.123497	-439.2123497