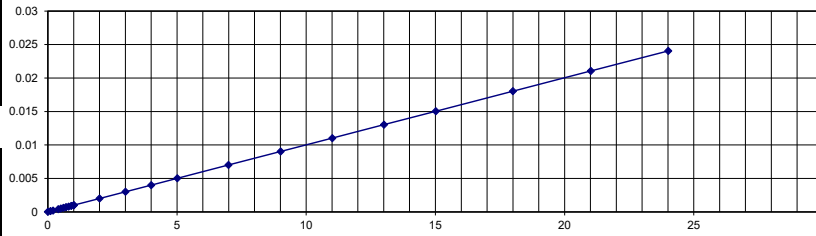


# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-1000
<b>Lot #:</b>	31400
<b>URNS/RATIO:</b>	1000
<b>DATE:</b>	June 5, 2020
<b>TESTER:</b>	lb



**TEST SETUP**

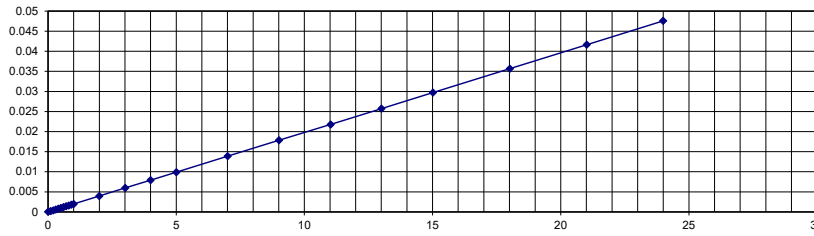
<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	20
<b>Burden (Ohms):</b>	1
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60

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	0.000507602	0.000507602	2.44125E-05	0.000898519	-0.000507146	104.8136997	20.79272487	97.92072751
0.1A	0.099451159	0.099451159	0.000113315	0.000918533	-0.000416253	127.2226664	877.650925	12.2349075
0.2A	0.200276779	0.200276779	0.000205927	0.000989605	-0.000309407	166.5552682	972.5629925	2.743700754
0.3A	0.400281551	0.400281551	0.000403853	0.001003649	-0.00010586	481.4968687	991.1576737	0.884232631
0.4A	0.500701698	0.500701698	0.000504639	0.001046299	1.62817E-05	-2999.422852	992.197551	0.780244902
0.5A	0.599764201	0.599764201	0.000608288	0.000984159	8.26615E-05	-635.8786738	985.9869899	1.401301014
0.6A	0.700162446	0.700162446	0.000707096	0.001017741	0.000204982	-244.9548994	990.194281	0.980571902
0.7A	0.800318555	0.800318555	0.000809029	0.0009963	0.000289755	-179.2109492	989.2333977	1.076660228
0.8A	0.900180428	0.900180428	0.000908521	0.001029635	0.000419255	-116.6988741	990.8191096	0.918089041
0.9A	0.999668189	0.999668189	0.001010958	0.000778051	0.00027019	-274.1649172	988.8329922	1.116700784
1A	1.00271907	1.00271907	0.001013331	0.000993533	0.000488632	-107.3812431	989.5273836	1.047261641
2A	2.00101044	2.00101044	0.002005166	0.001001309	0.001496028	-34.03267961	997.9273441	0.207265585
3A	3.00122206	3.00122206	0.003006688	0.000997466	0.002486016	-20.94400576	998.1822188	0.181778116
4A	3.99761957	0.039976196	0.004000561	0.001008501	0.003524001	-13.52324314	999.264833	0.073516696
5A	5.00970227	0.050097023	0.005021247	0.001007024	0.004537286	-10.66630936	997.7008023	0.229919774
7A	6.98554898	0.034927745	0.007010971	0.000998897	0.006470239	-8.357220129	996.3739204	0.362607959
9A	9.00854844	0.045042742	0.009031739	0.000999308	0.008494709	-6.321929636	997.4323637	0.25676363
11A	11.008109	0.022016218	0.011029915	0.00100535	0.010559403	-4.455856493	998.023031	0.197696903
13A	13.00772725	0.026015455	0.013040232	0.00099454	0.012429097	-4.916965222	997.507387	0.249261296
15A	15.0149899	0.03002998	0.015036534	0.001004967	0.014581968	-3.117315605	998.5672429	0.143275708
18A	17.99354135	0.035987083	0.01802988	0.001003719	0.017552864	-2.717596804	997.9845539	0.201544607
21A	21.0096172	0.042019234	0.021057173	0.000997582	0.020451217	-2.962936308	997.7415725	0.225842754
24A	24.00993695	0.048019874	0.024050239	0.001001679	0.023542637	-2.156097235	998.3242682	0.167573181

# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-1000
<b>Lot #:</b>	31400
<b>URNS/RATIO:</b>	1000
<b>DATE:</b>	June 5, 2020
<b>TESTER:</b>	lb



**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	20
<b>Burden (Ohms):</b>	2
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	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	0.000406697	0.000406697	2.25486E-05	0.001826354	-0.000405954	105.5544706	36.07291362	96.39270864
0.1A	0.100360394	0.100360394	0.000205099	0.001956698	-0.000210322	197.5168768	978.6508392	2.134916084
0.2A	0.200382686	0.200382686	0.000400813	0.001987861	-8.36404E-06	4892.099356	999.8813836	0.011861644
0.3A	0.300050577	0.300050577	0.000598939	0.002041241	0.000205778	-191.0600043	1001.940582	-0.194058204
0.4A	0.400129487	0.400129487	0.000803224	0.001942216	0.000370441	-116.8292246	996.3085554	0.369144459
0.5A	0.500424206	0.500424206	0.000998018	0.002012907	0.00060061	-66.16734604	1002.835995	-0.283599483
0.6A	0.60188419	0.60188419	0.001202248	0.001992142	0.000792342	-51.73342974	1001.265014	-0.126501405
0.7A	0.701953977	0.701953977	0.001401601	0.001951416	0.000963107	-45.52906668	1001.646106	-0.16461064
0.8A	0.800217342	0.800217342	0.001593353	0.001937092	0.001143398	-39.35253788	1004.444227	-0.444422671
0.9A	0.90012544	0.90012544	0.001786885	0.00198882	0.001383491	-29.15769285	1007.480198	-0.748019753
1A	1.00066974	1.00066974	0.001986849	0.00198584	0.001580473	-25.71229081	1007.29311	-0.729311023
2A	1.99879332	1.99879332	0.003968963	0.00199414	0.003579177	-10.89039638	1007.211813	-0.721181286
3A	3.00477576	3.00477576	0.005975033	0.001945488	0.005439057	-9.854211693	1005.777118	-0.577711784
4A	4.00001583	0.040000158	0.00791126	0.001981108	0.007517767	-5.234177652	1011.220895	-1.122089494
5A	5.00153917	0.050015392	0.009895386	0.00199108	0.00955177	-3.597410255	1010.883056	-1.088305567
7A	7.00269264	0.035013463	0.013879844	0.001979929	0.013458135	-3.133485671	1009.04487	-0.904486973
9A	9.00324356	0.045016218	0.017840792	0.00195392	0.017184916	-3.816577472	1009.287425	-0.928742508
11A	11.01989385	0.022039788	0.021781165	0.001980765	0.02142112	-1.680794491	1011.873709	-1.187370859
13A	13.0062764	0.026012553	0.025715721	0.001993594	0.025522536	-0.75691855	1011.542819	-1.154281854
15A	15.00983145	0.030019663	0.029709996	0.001985004	0.029387872	-1.096112613	1010.422987	-1.042298693
18A	18.01104375	0.036022088	0.035667413	0.001984262	0.035331935	-0.949502807	1009.943934	-0.994393395
21A	21.0136841	0.042027368	0.041625439	0.001991857	0.041449563	-0.424312427	1009.655862	-0.96558622
24A	23.99420675	0.047988414	0.047562215	0.001982237	0.047155517	-0.862459063	1008.960874	-0.896087376

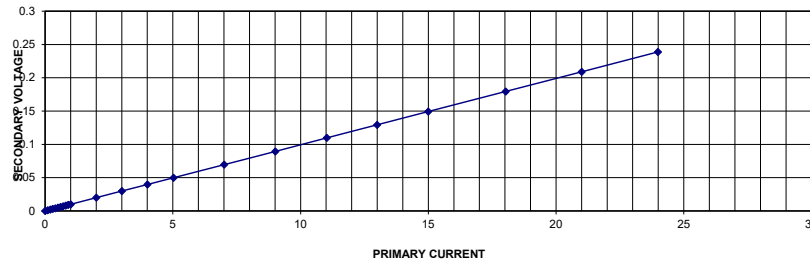
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-1000
<b>Lot #:</b>	31400
<b>URNS/RATIO:</b>	1000
<b>DATE:</b>	June 5, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	20
<b>Burden (Ohms):</b>	10
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60

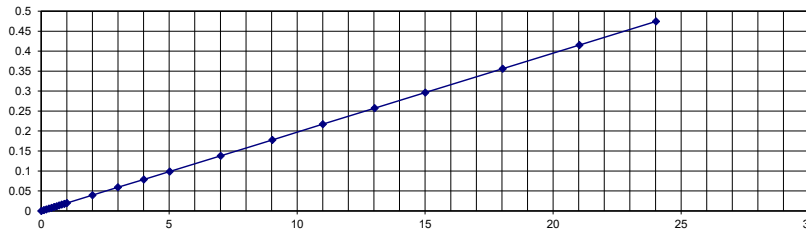


Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000505381	0.000505381	2.73276E-05	0.009755514	-0.000500451	105.4605909	184.9344953	81.50655047
0.1A	0.099757254	0.099757254	0.000995581	0.009882721	0.000480492	-107.2003271	1002.000758	-0.20007581
0.2A	0.199280328	0.199280328	0.001979139	0.009917817	0.001471044	-34.53974215	1006.90394	-0.69039401
0.3A	0.299758433	0.299758433	0.002975663	0.009938277	0.002473701	-20.29193857	1007.366923	-0.736692331
0.4A	0.400262461	0.400262461	0.0039745	0.009947139	0.003476085	-14.33838971	1007.07634	-0.70763397
0.5A	0.500612867	0.500612867	0.004972699	0.009905973	0.004453676	-11.65381071	1006.722611	-0.67226106
0.6A	0.600815955	0.600815955	0.005965308	0.009963192	0.005480664	-8.842808731	1007.183423	-0.718342262
0.7A	0.700200206	0.700200206	0.006955493	0.009971479	0.00647665	-7.393362619	1006.68672	-0.668671976
0.8A	0.801058742	0.801058742	0.007961201	0.009943151	0.007459666	-6.723290229	1006.203336	-0.620333634
0.9A	0.900192219	0.900192219	0.008946901	0.009962193	0.008462508	-5.723988341	1006.149805	-0.614980462
1A	1.00111896	1.00111896	0.009952352	0.009975393	0.009481174	-4.969616263	1005.911909	-0.591190895
2A	2.0005	2.0005	0.019921571	0.009978247	0.019456103	-2.392404987	1004.187857	-0.418785741
3A	3.00195548	3.00195548	0.029914342	0.009755906	0.028781413	-3.936319219	1003.517142	-0.35171424
4A	4.00613245	0.040061325	0.039710998	0.009934914	0.0392952	-1.058137826	1008.821909	-0.88219088
5A	5.02556933	0.050255693	0.049839016	0.009907955	0.049287735	-1.118494197	1008.360474	-0.836047413
7A	7.00508722	0.035025436	0.06945199	0.009918206	0.068972517	-0.695165824	1008.622962	-0.862296239
9A	9.01045122	0.045052256	0.089341604	0.010112386	0.09061178	1.401778289	1008.539231	-0.85392311
11A	11.02263255	0.022045265	0.109689558	0.009969508	0.109384845	-0.278569265	1004.893515	-0.489351502
13A	12.99300515	0.02598601	0.129333204	0.009970363	0.1290396	-0.227530217	1004.614805	-0.461480487
15A	14.99440635	0.029988813	0.149287901	0.009940364	0.148544473	-0.500475356	1004.395283	-0.439528251
18A	18.0222225	0.036044445	0.179385495	0.00992175	0.178306614	-0.605070893	1004.664424	-0.466442395
21A	21.00447115	0.042008942	0.208974622	0.010011448	0.209779788	0.383814692	1005.120667	-0.512066724
24A	23.9869786	0.047973957	0.23883384	0.009956812	0.238328459	-0.21205244	1004.337518	-0.433751767

# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-1000
<b>Lot #:</b>	31400
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	June 5, 2020
<b>TESTER:</b>	lb



**TEST SETUP**

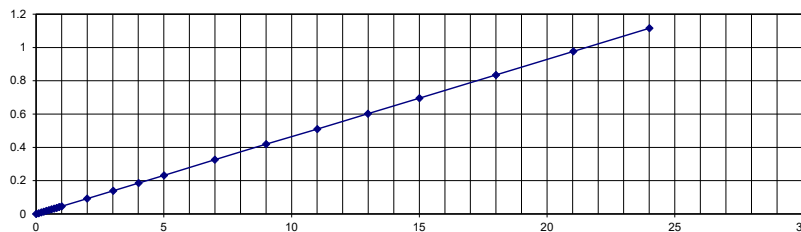
<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	20
<b>Burden (Ohms):</b>	20
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60

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	0.00064427	0.00064427	2.59213E-05	0.019330839	-0.000631815	104.1026632	497.097535	50.2902465
0.1A	0.100267993	0.100267993	0.001951731	0.019587878	0.001319768	-47.88447488	1027.477367	-2.747736674
0.2A	0.20115955	0.20115955	0.003927983	0.019683075	0.003315169	-18.48515171	1024.238425	-2.42384254
0.3A	0.300346069	0.300346069	0.005880279	0.019758219	0.005290034	-11.15767466	1021.536879	-2.153687948
0.4A	0.400133889	0.400133889	0.007851908	0.019742848	0.007255513	-8.219889386	1019.201661	-1.920166131
0.5A	0.500172379	0.500172379	0.009826953	0.019686967	0.009202607	-6.784439119	1017.960277	-1.796027658
0.6A	0.601938747	0.601938747	0.011830424	0.019787088	0.011266346	-5.006754554	1017.61146	-1.761146023
0.7A	0.700397427	0.700397427	0.013778635	0.019777739	0.013208008	-4.320305494	1016.642726	-1.66427261
0.8A	0.800765071	0.800765071	0.01576368	0.019690599	0.015123275	-4.23456558	1015.962125	-1.596212473
0.9A	0.900412556	0.900412556	0.017725798	0.019728361	0.017119395	-3.542202852	1015.934561	-1.593456132
1A	1.00063087	1.00063087	0.019702941	0.019795989	0.019164208	-2.81114213	1015.717247	-1.571724717
2A	1.99920846	1.99920846	0.039470773	0.019787012	0.038914091	-1.430538961	1013.007009	-1.300700917
3A	2.99603978	2.99603978	0.059195085	0.019291257	0.057153103	-3.572827811	1012.259638	-1.225963771
4A	4.00670885	0.040067089	0.078692162	0.01976149	0.078534269	-0.201049292	1018.324762	-1.832476152
5A	5.01730211	0.050173021	0.098662991	0.019688075	0.098136749	-0.53623387	1017.058587	-1.705858684
7A	7.00917302	0.035045865	0.137879094	0.019701706	0.137448393	-0.313354601	1016.71295	-1.671294997
9A	9.03131024	0.045156551	0.177718646	0.020075011	0.180659386	1.627781382	1016.36046	-1.636046
11A	11.0018499	0.0220037	0.217277252	0.01970394	0.216135519	-0.528248777	1012.701495	-1.270149532
13A	13.0261748	0.02605235	0.257164428	0.019803179	0.257315408	0.05867496	1013.061946	-1.30619465
15A	15.00235575	0.030004712	0.296299094	0.019725402	0.295283223	-0.344032765	1012.649451	-1.264945144
18A	18.02674365	0.036053487	0.35595636	0.01975683	0.355507036	-0.126389603	1012.862568	-1.286256832
21A	21.0242693	0.042048539	0.415177964	0.019780061	0.415217066	0.009417191	1012.783487	-1.278348675
24A	24.01748045	0.048034961	0.474383864	0.019751608	0.473739594	-0.135996558	1012.575776	-1.257577555

**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-1000
<b>Lot #:</b>	31400
<b>URNS/RATIO:</b>	1000
<b>DATE:</b>	June 5, 2020
<b>TESTER:</b>	lb



**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	20
<b>Burden (Ohms):</b>	47
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	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	0.000592304	0.000592304	3.16122E-05	0.044653282	-0.000565856	105.5866248	880.6175469	11.93824531
0.1A	0.099566654	0.099566654	0.004451142	0.045469999	0.003934992	-13.11693295	1051.333118	-5.133311794
0.2A	0.199502395	0.199502395	0.00899522	0.045795746	0.008544057	-5.280427803	1042.399496	-4.239949599
0.3A	0.299212743	0.299212743	0.01356153	0.045886886	0.013137637	-3.226551676	1036.977342	-3.697734222
0.4A	0.401301551	0.401301551	0.018246067	0.046055916	0.017890006	-1.990277235	1033.711692	-3.371169215
0.5A	0.500130946	0.500130946	0.022797745	0.045988939	0.022408188	-1.738462236	1031.073646	-3.107364564
0.6A	0.600625543	0.600625543	0.027419385	0.045976726	0.027022492	-1.468751793	1029.541699	-2.954169877
0.7A	0.700963851	0.700963851	0.032032612	0.046048906	0.031686314	-1.09289439	1028.492487	-2.849248732
0.8A	0.801548747	0.801548747	0.036664437	0.046125355	0.036379417	-0.783464689	1027.50225	-2.750225021
0.9A	0.900891277	0.900891277	0.041246646	0.046122373	0.040958939	-0.702428062	1026.553527	-2.655352671
1A	1.00054109	1.00054109	0.045842732	0.046128104	0.045560759	-0.618893331	1025.799059	-2.579905867
2A	1.9962868	1.9962868	0.091774594	0.046179384	0.09159499	-0.196084647	1022.346991	-2.234699081
3A	3.01795326	3.01795326	0.138954521	0.046739364	0.140464912	1.075280242	1020.793006	-2.079300622
4A	4.0084748	0.040084748	0.185250868	0.046415413	0.185462709	0.114222812	1016.990191	-1.699019084
5A	5.00395109	0.050039511	0.231456311	0.047309373	0.236141484	1.984053368	1016.112718	-1.611271783
7A	6.99326374	0.034966319	0.325569445	0.046638599	0.325563718	-0.001758989	1009.564628	-0.956462846
9A	9.00103424	0.045005171	0.419209048	0.045135444	0.405673372	-3.336594747	1009.159061	-0.915906109
11A	11.001618	0.022003236	0.509506284	0.046639478	0.512517419	0.58751859	1014.857053	-1.485705326
13A	12.98769515	0.02597539	0.602135886	0.04635125	0.601403605	-0.121761979	1013.760658	-1.376065809
15A	15.00353665	0.030007073	0.69557266	0.046577446	0.69823412	0.381170153	1013.792323	-1.379232265
18A	17.9951963	0.035990393	0.834916527	0.046618582	0.838318232	0.405777311	1013.004532	-1.300453249
21A	21.0272785	0.042054557	0.9762679	0.046779439	0.983051989	0.690104799	1012.306242	-1.230624248
24A	24.00791065	0.048015821	1.1157002	0.046472191	1.115107896	-0.053116303	1011.357532	-1.135753184

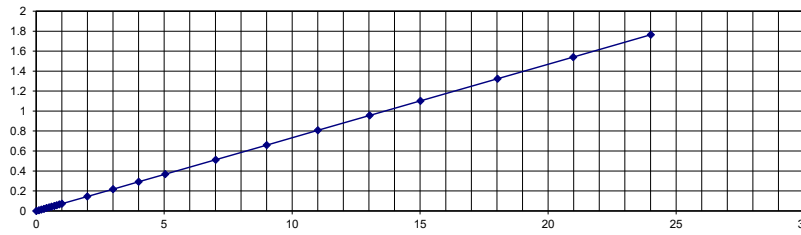
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-1000
<b>Lot #:</b>	31400
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	June 5, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	20
<b>Burden (Ohms):</b>	75
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	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	0.000686326	0.000686326	4.04582E-05	0.069520628	-0.000638613	106.3353245	1272.288645	-27.22886446
0.1A	0.101078883	0.101078883	0.007019812	0.071771229	0.006568229	-6.875254642	1079.93155	-7.99315497
0.2A	0.20148008	0.20148008	0.014225729	0.072070453	0.013834434	-2.828411503	1062.230687	-6.223068735
0.3A	0.300306758	0.300306758	0.021348213	0.072229979	0.021004825	-1.634805402	1055.030099	-5.503009887
0.4A	0.400627494	0.400627494	0.028594377	0.072259516	0.028262823	-1.173112509	1050.803161	-5.080316087
0.5A	0.5001525	0.5001525	0.035786006	0.071923384	0.035286334	-1.416050198	1048.215255	-4.821525473
0.6A	0.597869664	0.597869664	0.042814155	0.073035557	0.042979417	0.384514882	1047.322424	-4.732242387
0.7A	0.701902834	0.701902834	0.050412276	0.072367936	0.050108933	-0.605366525	1044.243923	-4.424392311
0.8A	0.801018803	0.801018803	0.057585094	0.072548765	0.057426599	-0.275995621	1043.263217	-4.326321728
0.9A	0.900089229	0.900089229	0.064772531	0.072561823	0.064625789	-0.227064142	1042.211741	-4.221174064
1A	1.00009299	1.00009299	0.072028986	0.072607949	0.071928375	-0.13987704	1041.344302	-4.134430194
2A	1.99496422	1.99496422	0.144264546	0.072890161	0.144726936	0.319491358	1037.138511	-3.71385115
3A	3.0028772	3.0028772	0.217731485	0.074201998	0.222133163	1.981549136	1034.374013	-3.437401348
4A	3.99712863	0.039971286	0.291506928	0.073182124	0.291832036	0.111402537	1028.396304	-2.839630367
5A	5.03717091	0.050371709	0.367619431	0.073484368	0.369466997	0.500062493	1027.660092	-2.766009191
7A	7.01093314	0.035054666	0.512660102	0.073327403	0.513407194	0.145516444	1025.669802	-2.566980237
9A	9.00131166	0.045006558	0.65860939	0.074280293	0.667933741	1.395999343	1025.03606	-2.503606045
11A	11.00249845	0.022004997	0.807258131	0.07346797	0.807644899	0.047888373	1022.210062	-2.221006152
13A	13.0241032	0.026048206	0.955781328	0.073625748	0.958223008	0.254813379	1021.999187	-2.199918683
15A	15.0128594	0.030025719	1.10220499	0.073499992	1.102758721	0.050213259	1021.556303	-2.155630324
18A	18.02024775	0.036040496	1.32324801	0.073373194	1.3215168	-0.131001769	1021.36453	-2.136452958
21A	20.9803671	0.041960734	1.54044142	0.073878217	1.549305777	0.572150281	1021.478332	-2.147833217
24A	24.0076715	0.048015343	1.76409327	0.073480399	1.763406944	-0.038920475	1020.680365	-2.068036488

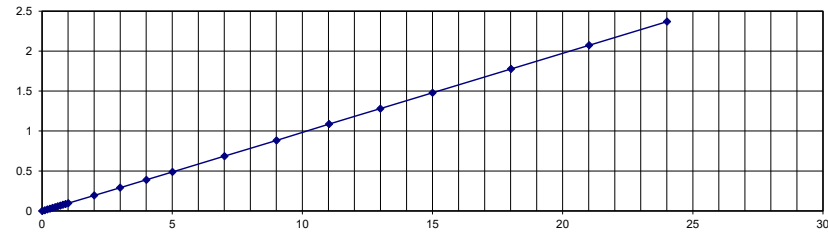
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-1000
<b>Lot #:</b>	31400
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	June 5, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	20
<b>Burden (Ohms):</b>	100
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60

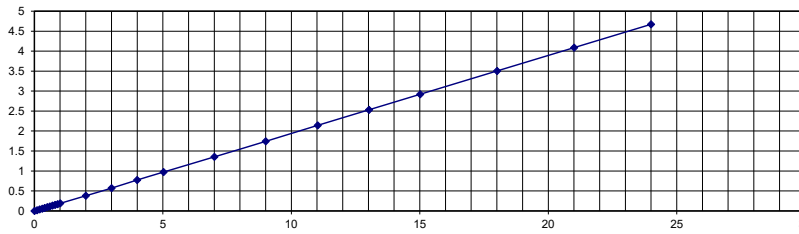


Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000680125	0.000680125	3.95702E-05	0.092537956	-0.000617187	106.4113666	1718.782497	-71.87824974
0.1A	0.101392744	0.101392744	0.00935931	0.096020596	0.009055667	-3.353073606	1083.335662	-8.333566167
0.2A	0.19952687	0.19952687	0.018782207	0.096277644	0.018529852	-1.361884422	1062.318532	-6.231853238
0.3A	0.301262262	0.301262262	0.028577051	0.096737906	0.028463355	-0.399446333	1054.210453	-5.421045313
0.4A	0.400964162	0.400964162	0.038222004	0.096777691	0.038124261	-0.256380958	1049.040126	-4.904012582
0.5A	0.499124798	0.499124798	0.047721764	0.09682582	0.047648043	-0.154719454	1045.906011	-4.590601052
0.6A	0.600935986	0.600935986	0.057579716	0.09639629	0.057247875	-0.579656942	1043.659173	-4.365917346
0.7A	0.700011872	0.700011872	0.067130264	0.097387657	0.067492391	0.536545868	1042.766458	-4.276645802
0.8A	0.80105044	0.80105044	0.076970173	0.097130411	0.077126234	0.202344794	1040.728387	-4.072838709
0.9A	0.900977863	0.900977863	0.086676165	0.096741673	0.086481981	-0.224536569	1039.475923	-3.947592296
1A	1.00084123	1.00084123	0.096337114	0.097096227	0.096497783	0.166499952	1038.894762	-3.889476182
2A	1.99995174	1.99995174	0.193346975	0.09737577	0.194066715	0.370872614	1034.38481	-3.438481
3A	2.99860877	2.99860877	0.290591972	0.09855074	0.294834989	1.439115702	1031.896631	-3.189663134
4A	4.00213475	0.040021348	0.3894902	0.09771625	0.390393474	0.231375188	1027.531566	-2.753156562
5A	5.004338	0.05004338	0.487421743	0.099167919	0.495589659	1.648120657	1026.695684	-2.669568436
7A	7.00354862	0.035017743	0.685679299	0.098138081	0.686634699	0.139142428	1021.402955	-2.140295474
9A	9.00311232	0.045015562	0.881912644	0.101407175	0.912300063	3.330857916	1020.862143	-2.086214335
11A	11.02284885	0.022045698	1.08672842	0.098436309	1.084368435	-0.217636827	1014.314952	-1.431495184
13A	12.99662805	0.025993256	1.28101996	0.0987086	1.282198831	0.091941382	1014.553126	-1.455312609
15A	14.99584555	0.029991691	1.47835992	0.098791398	1.480780421	0.163461144	1014.356879	-1.435687935
18A	18.0126988	0.036025398	1.77639907	0.098793711	1.77886124	0.138412698	1014.000688	-1.400068848
21A	21.01375895	0.042027518	2.07288494	0.098920319	2.078007623	0.246518956	1013.744591	-1.374459067
24A	24.0091958	0.048018392	2.36919451	0.098678628	2.368514385	-0.02871525	1013.390657	-1.339065656

# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-1000
<b>Lot #:</b>	31400
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	June 5, 2020
<b>TESTER:</b>	lb



**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	20
<b>Burden (Ohms):</b>	200
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60

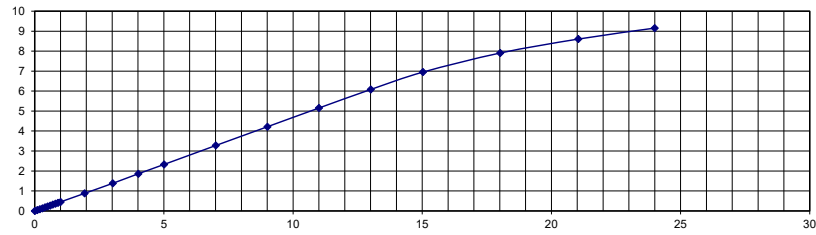
Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000630146	0.000630146	5.03E-05	0.179959637	-0.000516745	109.7340005	2505.551901	-150.5551901
0.1A	0.10034988	0.10034988	0.017995827	0.187888736	0.018224466	1.254571698	1115.257214	-11.52572143
0.2A	0.200291871	0.200291871	0.036773802	0.189275486	0.037280195	1.358345152	1089.31828	-8.931828003
0.3A	0.300669886	0.300669886	0.055772899	0.189627754	0.056385209	1.085940662	1078.193498	-7.819349846
0.4A	0.400504547	0.400504547	0.074704322	0.189869281	0.075413364	0.940208175	1072.239299	-7.223929867
0.5A	0.500652984	0.500652984	0.093719433	0.190659314	0.094824009	1.164868718	1068.408048	-6.840804809
0.6A	0.600324541	0.600324541	0.112722744	0.189687628	0.113243992	0.460287479	1065.134719	-6.513471851
0.7A	0.702080777	0.702080777	0.132024643	0.190985703	0.133457244	1.073453487	1063.560198	-6.356019762
0.8A	0.800063766	0.800063766	0.150737993	0.190228025	0.151564404	0.545254059	1061.529015	-6.152901479
0.9A	0.900758887	0.900758887	0.169893027	0.190855725	0.171284844	0.812574748	1060.383587	-6.038358714
1A	1.00117424	1.00117424	0.189057872	0.190918895	0.190512933	0.763759722	1059.119337	-5.911933675
2A	2.00019589	2.00019589	0.379789981	0.190800316	0.381007861	0.319646993	1053.316828	-5.331682775
3A	3.00177917	3.00177917	0.570892387	0.203676208	0.610760853	6.527672196	1051.609459	-5.160945858
4A	3.99808806	0.039980881	0.773816804	0.194369304	0.776475448	0.34239892	1033.342269	-3.34226895
5A	5.02699337	0.050269934	0.973804413	0.192057066	0.964839452	-0.929166101	1032.444155	-3.244415468
7A	7.00400252	0.035020013	1.35350299	0.194208062	1.359603612	0.448705904	1034.944521	-3.494452125
9A	8.99958234	0.044997912	1.74106068	0.19817609	1.782871897	2.345161031	1033.804559	-3.380455872
11A	11.02567065	0.022051341	2.14258294	0.195010786	2.149494551	0.32154588	1029.194291	-2.919429107
13A	13.0197542	0.026039508	2.53145074	0.195018083	2.538457358	0.276018741	1028.639744	-2.863974355
15A	15.01117835	0.030022357	2.91981446	0.195171899	2.929130034	0.318032123	1028.228235	-2.822823543
18A	18.00716355	0.036014327	3.50454658	0.19454028	3.5024885	-0.058760498	1027.645839	-2.764583885
21A	21.006574	0.042013148	4.08805273	0.194908371	4.093726969	0.138608146	1027.705628	-2.770562844
24A	23.99862615	0.047997252	4.67122874	0.194645673	4.670598594	-0.013491762	1027.508071	-2.750807061



# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-1000
<b>Lot #:</b>	31400
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	June 5, 2020
<b>TESTER:</b>	lb



**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	20
<b>Burden (Ohms):</b>	500
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	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	0.000716263	0.000716263	0.000171341	0.419965876	-0.000415457	141.2415478	2090.169486	-109.0169486
0.1A	0.100519453	0.100519453	0.042085275	0.449886501	0.044506082	5.439271538	1194.235433	-19.42354332
0.2A	0.199884839	0.199884839	0.086788421	0.453197503	0.089871046	3.430054359	1151.563984	-15.15639839
0.3A	0.30090941	0.30090941	0.132572504	0.455367491	0.1363081	2.740552914	1134.886198	-13.48861978
0.4A	0.401428294	0.401428294	0.178345536	0.457291338	0.182853418	2.465298419	1125.422881	-12.54228813
0.5A	0.500382519	0.500382519	0.223596446	0.456072115	0.22749425	1.713363836	1118.941128	-11.8941128
0.6A	0.600550248	0.600550248	0.269280154	0.458466223	0.27461574	1.942928067	1115.103061	-11.5103061
0.7A	0.701242414	0.701242414	0.315444111	0.457351851	0.319998253	1.423177022	1111.516097	-11.15160967
0.8A	0.799906696	0.799906696	0.360568403	0.459423312	0.36677952	1.693419775	1109.230162	-10.92301618
0.9A	0.899883103	0.899883103	0.406499895	0.457764677	0.411218435	1.147453332	1106.867571	-10.68675713
1A	1.00069584	1.00069584	0.452648405	0.458697262	0.458300178	1.233203368	1105.378732	-10.53787321
2A	1.93161993	1.93161993	0.879660736	0.461818048	0.891340683	1.310379635	1097.934608	-9.79346076
3A	3.02006183	3.02006183	1.38232285	0.483075897	1.458202814	5.20366327	1092.386569	-9.238656874
4A	4.00753337	0.040075334	1.85934655	0.467875488	1.874310368	0.798363916	1077.672522	-7.767252156
5A	5.00440968	0.050044097	2.32576054	0.473760784	2.370176788	1.873963512	1075.865205	-7.586520494
7A	7.00623928	0.035031196	3.2741489	0.470271407	3.294117738	0.606196854	1069.932904	-6.993290378
9A	9.00609744	0.045030487	4.21462501	0.470036889	4.232481759	0.421897846	1068.434015	-6.843401473
11A	10.9987994	0.021997599	5.15126844	0.462434443	5.085507407	-1.29310663	1067.581658	-6.758165762
13A	13.0042753	0.026008551	6.07866957	0.430681563	5.599985351	-8.54795485	1069.664599	-6.966459932
15A	15.0295652	0.03005913	6.95092459	0.319630617	4.803192931	-44.71466564	1081.119857	-8.111985718
18A	18.01660915	0.036033218	7.90567529	0.231040134	4.161843524	-89.95609143	1139.473131	-13.9473131
21A	21.03634195	0.042072684	8.60335476	0.185666703	3.905301982	-120.3145787	1222.566228	-22.25662278
24A	23.9953024	0.047990605	9.15273519	0.381438627	9.152018927	-0.007826289	1310.826868	-31.08268677

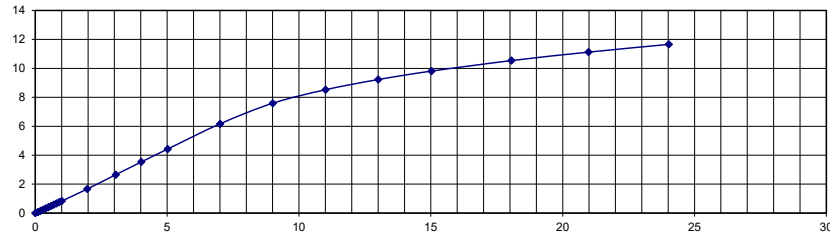
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-1000
<b>Lot #:</b>	31400
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	June 5, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	20
<b>Burden (Ohms):</b>	1000
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	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	0.000578814	0.000578814	0.000343082	0.730933171	-0.00015574	320.2922713	1687.099043	-68.70990427
0.1A	0.100538359	0.100538359	0.07340683	0.824319425	0.082296908	10.80244538	1369.604975	-36.96049747
0.2A	0.199825247	0.199825247	0.15525094	0.831768497	0.165629531	6.266147761	1287.11135	-28.71113502
0.3A	0.300481323	0.300481323	0.238973493	0.839110667	0.251558269	5.002728124	1257.383483	-25.73834831
0.4A	0.400090276	0.400090276	0.322556428	0.843598207	0.336936626	4.267923542	1240.372974	-24.03729744
0.5A	0.50012115	0.50012115	0.406942294	0.84438964	0.421718304	3.503762919	1228.973143	-22.89731428
0.6A	0.60082814	0.60082814	0.491978233	0.851248946	0.510875507	3.698997823	1221.249437	-22.12494369
0.7A	0.701902355	0.701902355	0.578017552	0.852220958	0.597597083	3.276376596	1214.327061	-21.43270608
0.8A	0.801077304	0.801077304	0.662536522	0.84848861	0.679126154	2.442790898	1209.106634	-20.9106634
0.9A	0.902864285	0.902864285	0.748901616	0.848051432	0.765096536	2.116715861	1205.58464	-20.55846398
1A	1.00271723	1.00271723	0.833582049	0.859685523	0.861442672	3.234181955	1202.901659	-20.29016594
2A	1.96833847	1.96833847	1.66371265	0.912713965	1.795951195	7.363148014	1183.10002	-18.31000203
3A	3.04984572	3.04984572	2.65081942	0.910735902	2.777025179	4.544638633	1150.529416	-15.05294163
4A	4.01740437	0.040174044	3.53200982	0.891137861	3.579482325	1.326239396	1137.427293	-13.74272934
5A	5.02029492	0.050202949	4.42572356	0.877091986	4.40268163	-0.523361258	1134.344442	-13.43444415
7A	7.0062088	0.035031044	6.16755271	0.712254766	4.989626799	-23.60749529	1135.978747	-13.59787471
9A	9.00554694	0.045027735	7.59159083	0.466389343	4.199512304	-80.77315366	1186.25294	-18.62529398
11A	11.00567935	0.022011359	8.52443127	0.35168847	3.869991715	-120.2700134	1291.074912	-29.10749118
13A	13.00481205	0.026009624	9.22750319	0.288990051	3.75768249	-145.5636743	1409.353298	-40.93532977
15A	15.0262225	0.030052445	9.8116707	0.239279549	3.594888929	-172.933904	1531.464208	-53.14642082
18A	18.0565078	0.036113016	10.536756	0.20037562	3.617505138	-191.2713485	1713.66859	-71.36685902
21A	20.97527905	0.041950558	11.1216066	0.175715944	3.685112148	-201.7983213	1885.993616	-88.59936162
24A	24.01820155	0.048036403	11.6562966	0.485310966	11.65571779	-0.004965924	2060.534523	-106.0534523