

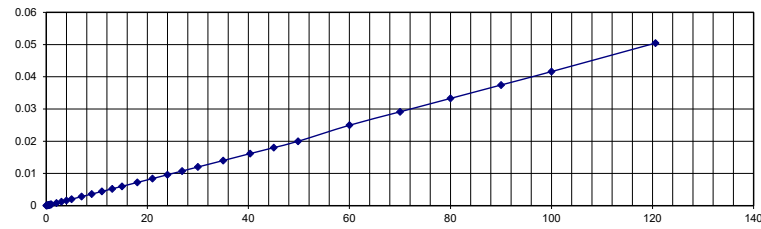
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8350-2500-A
Lot #:	
TURNS/RATIO:	2500
DATE:	June 24, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	100
Burden (Ohms):	1
MEASUREMENT CT TURNS RATIO:	2500
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	0.000706308	0.000706308	2.49979E-05	0.00034168	-0.000706066	103.5404471	28.25467435	98.86981303
0.1A	0.100556589	0.100556589	5.91147E-05	0.000320816	-0.000674048	108.7701101	1701.041542	31.95833833
0.2A	0.20048444	0.20048444	9.11732E-05	0.000361903	-0.000633752	114.3862601	2198.94071	12.04237161
0.3A	0.300117008	0.300117008	0.000127231	0.000426242	-0.000578385	121.9975316	2358.844466	5.646221363
0.4A	0.401002495	0.401002495	0.000170232	0.000478663	-0.000514363	133.0957207	2355.621978	5.775120872
0.5A	0.500730148	0.500730148	0.000217968	0.000334351	-0.000538888	140.4477387	2297.264466	8.109421363
0.6A	0.600111888	0.600111888	0.000251196	0.000358424	-0.000491213	151.1379808	2389.014474	4.439421036
0.7A	0.700700543	0.700700543	0.00028725	0.000493596	-0.000360444	179.693231	2439.341694	2.426332243
0.8A	0.800000902	0.800000902	0.000336264	0.000351755	-0.000424904	179.138856	2379.084666	4.836613363
0.9A	0.89959277	0.89959277	0.000371296	0.000354959	-0.000386989	195.9447392	2422.844978	3.08620089
1A	1.00021665	1.00021665	0.000407013	0.000406818	-0.000299401	235.9424565	2457.454015	1.701839409
2A	2.00509574	2.00509574	0.000815817	0.000402158	0.000100058	-715.3433863	2457.777256	1.688909768
3A	3.00142675	3.00142675	0.001216499	0.00039149	0.00046872	-159.5366641	2467.265172	1.309393101
4A	3.99533351	0.39953335	0.001605604	0.000400889	0.000895377	-79.32143871	2488.368462	0.46526152
5A	5.00895632	0.050089563	0.002011954	0.00040136	0.001304088	-54.28051359	2489.597982	0.416080711
7A	7.00049366	0.035002468	0.002811278	0.000397827	0.002078679	-35.2434864	2490.146539	0.394138425
9A	8.99692132	0.044984607	0.003605511	0.000400377	0.002895853	-24.50600613	2495.324898	0.187004062
11A	11.01509795	0.022030196	0.004413543	0.000399996	0.003699686	-19.29504394	2495.74978	0.170008782
13A	13.03748235	0.026074965	0.005222488	0.000398686	0.004491551	-16.27359819	2496.412074	0.143517034
15A	15.0044228	0.030008846	0.006006679	0.000398001	0.005265469	-14.07680495	2497.956367	0.081745333
18A	18.0125216	0.036025043	0.007203906	0.000398621	0.006473856	-11.27689276	2500.382647	-0.015305863
21A	21.01280605	0.042025612	0.008399882	0.00039816	0.007694957	-9.160856471	2501.559817	-0.062392666
24A	24.00058185	0.048001164	0.009594443	0.000400502	0.00890598	-7.730348189	2501.508516	-0.060340655
27A	26.8874021	0.026887402	0.010750622	0.00040095	0.010074204	-6.714356574	2501.00909	-0.04036362
30A	30.0289894	0.030028989	0.012010242	0.000398904	0.011272374	-6.545808871	2500.281834	-0.011273378
35A	35.0109733	0.035010973	0.013997575	0.000404619	0.013459801	-3.995408489	2501.217107	-0.048684291
40A	40.3503698	0.04035037	0.016157997	0.000396716	0.015301339	-5.59858061	2497.238429	0.110462829
45A	45.0176669	0.045017667	0.018009589	0.000409445	0.017725971	-1.600011543	2499.649875	0.014004984
50A	49.858339	0.049858339	0.01999158	0.0004894	0.023694379	15.62733071	2493.966885	0.241324595
60A	60.034022	0.030017011	0.024971563	0.000416513	0.024298655	-2.76931905	2404.095519	3.836179223
70A	70.0189022	0.035009451	0.029130397	0.000416351	0.02844614	-2.405447638	2403.637057	3.854517713
80A	80.004049	0.040002025	0.033287724	0.000416423	0.03260918	-2.080837452	2403.409993	3.863600264
90A	90.0265028	0.045013251	0.0374613	0.00041667	0.036804995	-1.783194242	2403.186849	3.872526025
100A	99.9949664	0.049997483	0.041614855	0.000430133	0.042304859	1.63102751	2402.867111	3.885315568
120A	120.6047128	0.030151178	0.050479794	0.000418556	0.049773486	-1.419044241	2389.168105	4.433275813

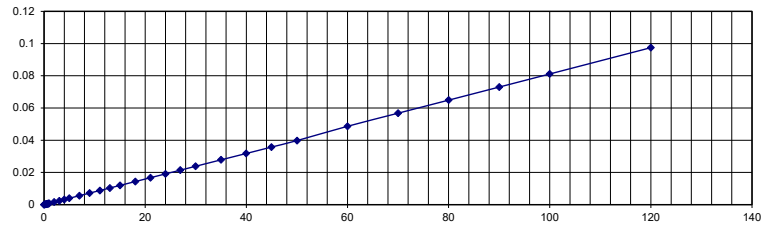
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8350-2500-A
Lot #:	0
TURNS/RATIO:	2500
DATE:	June 24, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	100
Burden (Ohms):	2
MEASUREMENT CT TURNS RATIO:	2500
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	0.000680422	0.000680422	2.47707E-05	0.000665574	-0.000679969	103.642918	54.93760877	97.80249565
0.1A	0.100402973	0.100402973	9.11434E-05	0.000771234	-0.000602988	115.1153072	2203.185819	11.87256722
0.2A	0.19994036	0.19994036	0.00016791	0.000875187	-0.000505437	133.2207904	2381.516691	4.739332366
0.3A	0.300713345	0.300713345	0.000256105	0.000701953	-0.000469335	154.567652	2348.35731	6.065707597
0.4A	0.402119462	0.402119462	0.000327288	0.000882048	-0.000325733	200.4771306	2457.285102	1.708595907
0.5A	0.500702982	0.500702982	0.000414243	0.000768384	-0.00029569	240.093746	2417.436324	3.302547036
0.6A	0.600188521	0.600188521	0.000490686	0.000786215	-0.000208545	335.2907315	2446.324002	2.147039919
0.7A	0.700722049	0.700722049	0.000569727	0.00081583	-0.000108752	623.8783309	2459.85184	1.605926386
0.8A	0.800970688	0.800970688	0.000651513	0.00072865	-9.67947E-05	773.0871409	2458.802252	1.647909913
0.9A	0.90094481	0.90094481	0.000724359	0.000865758	9.95778E-05	-627.4299667	2487.56424	0.497430397
1A	1.00041255	1.00041255	0.000810474	0.000791777	0.000111682	-625.6996608	2468.709859	1.251605638
2A	2.00067501	2.00067501	0.001602459	0.000802321	0.000924761	-73.28347714	2497.006457	0.119741735
3A	2.99988366	2.99988366	0.002404145	0.000788246	0.001684226	-42.74481965	2495.59314	0.176274406
4A	4.0119901	0.040119901	0.003201934	0.000794791	0.00250827	-27.65507168	2505.979183	-0.239167321
5A	5.00197373	0.050019737	0.003988764	0.00079513	0.0032968	-20.98896908	2508.032046	-0.321281846
7A	7.00248994	0.03501245	0.005579435	0.000798416	0.004910477	-13.62308636	2510.107131	-0.404285228
9A	9.0008506	0.045004253	0.007174958	0.000789023	0.006421455	-11.73415211	2508.962645	-0.3585058
11A	11.05283505	0.02210567	0.00879402	0.000796105	0.00811879	-8.316884397	2513.716036	-0.548641438
13A	13.00780435	0.026015609	0.01035038	0.000795866	0.009672045	-7.013357995	2513.493026	-0.539721038
15A	15.0257314	0.030051463	0.01195638	0.000792849	0.011232711	-6.442510971	2513.424971	-0.536998847
18A	18.05911325	0.036118227	0.014361393	0.000795849	0.013691901	-4.889691457	2514.952937	-0.598117483
21A	21.0340922	0.042068184	0.016729026	0.000794718	0.01603576	-4.323249004	2514.682245	-0.587289784
24A	24.00026705	0.048000534	0.0190863	0.000792145	0.018331267	-4.118827853	2514.920878	-0.596835115
27A	26.9490678	0.026949068	0.021422177	0.000794314	0.020725607	-3.360916483	2515.997083	-0.639883323
30A	29.9557945	0.029955795	0.023810463	0.000797256	0.023202019	-2.622375749	2516.187463	-0.647498533
35A	35.013191	0.035013191	0.027842504	0.000789158	0.026950524	-3.309694391	2515.089268	-0.603570722
40A	39.9674042	0.039967404	0.031752161	0.000799217	0.031262199	-1.567267559	2517.460383	-0.698415321
45A	44.9620911	0.044962091	0.035743999	0.000797003	0.035154497	-1.676888648	2515.784033	-0.631361307
50A	50.0412999	0.0500413	0.039792144	0.000889345	0.043823575	9.199229968	2515.134672	-0.60538689
60A	60.0217002	0.03001085	0.048668166	0.000812524	0.048088675	-1.205047305	2466.569223	1.337231076
70A	70.0208618	0.035010431	0.056792729	0.000811152	0.05611715	-1.203873121	2465.838961	1.366441576
80A	80.0327902	0.040016395	0.064913926	0.000812351	0.064334268	-0.901008958	2465.812658	1.367493687
90A	90.0241526	0.045012076	0.073030416	0.00081296	0.072505575	-0.723862369	2465.387921	1.384483174
100A	99.996496	0.049998248	0.081137528	0.000816661	0.080982819	-0.19103871	2464.864249	1.40543005
120A	119.9996988	0.029999925	0.097473364	0.00081228	0.096792942	-0.702966485	2462.204927	1.511802914

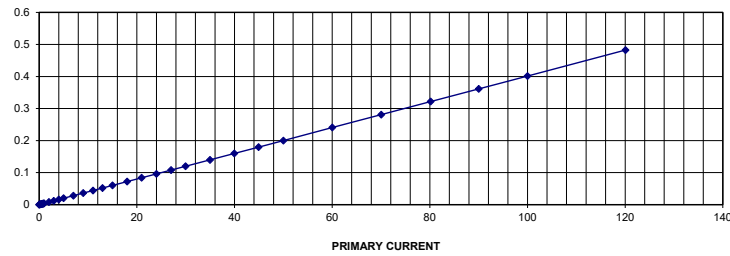
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8350-2500-A
Lot #:	0
TURNS/RATIO:	2500
DATE:	June 24, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	100
Burden (Ohms):	10
MEASUREMENT CT TURNS RATIO:	2500
FREQUENCY(Hz):	60

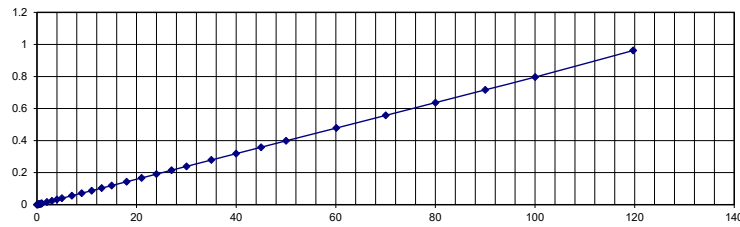


Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000739029	0.000739029	2.30947E-05	0.003894746	-0.000736151	103.1372234	319.9995164	87.20001934
0.1A	0.099840545	0.099840545	0.00040907	0.003998718	-0.000339795	220.3873254	2440.671674	2.373133026
0.2A	0.199820904	0.199820904	0.000808863	0.004083576	7.69548E-05	-95.10886575	2470.391728	1.184330874
0.3A	0.300383578	0.300383578	0.001219519	0.003939096	0.00044211	-174.5361472	2463.132464	1.474701447
0.4A	0.400146947	0.400146947	0.001612496	0.004008879	0.000865112	-86.39164733	2481.537579	0.738496831
0.5A	0.500256489	0.500256489	0.002013823	0.004068216	0.001296122	-55.37291017	2484.113384	0.635464657
0.6A	0.600507404	0.600507404	0.002421665	0.003972827	0.001646683	-47.06323299	2479.728978	0.810840896
0.7A	0.700305341	0.700305341	0.002818145	0.003946815	0.002024946	-39.17136091	2484.986513	0.600539481
0.8A	0.800633062	0.800633062	0.003214112	0.004083076	0.002530017	-27.03949007	2490.986530	0.360537897
0.9A	0.900762077	0.900762077	0.003622955	0.003976696	0.002843027	-27.4329867	2486.263655	0.549453782
1A	1.00083514	1.00083514	0.004020915	0.004008777	0.003273096	-22.84745394	2489.073189	0.437072422
2A	1.99980588	1.99980588	0.008025566	0.003992817	0.007245831	-10.76115382	2491.794282	0.328229444
3A	2.99917731	2.99917731	0.012015874	0.00400174	0.011262898	-6.68544859	2496.01272	0.159491193
4A	4.00465437	0.040046544	0.016039531	0.004005248	0.015300603	-4.829404036	2496.740301	0.130387976
5A	5.00047713	0.050004771	0.020028048	0.003999784	0.019261801	-3.978063208	2496.737166	0.130513369
7A	6.99709944	0.034985497	0.028014107	0.004004936	0.027283908	-2.676296382	2497.705733	0.091770694
9A	9.00789356	0.045039468	0.036067209	0.00400153	0.035306323	-2.155096999	2497.529989	0.098800437
11A	11.0263426	0.022052685	0.044144092	0.003981222	0.043159287	-2.28179301	2497.807073	0.08771706
13A	12.9904736	0.025980947	0.051963734	0.003997235	0.051186946	-1.517549873	2499.91152	0.003539199
15A	15.0328986	0.030065797	0.060127786	0.003991755	0.059268617	-1.449618788	2500.158342	-0.006333677
18A	18.01235355	0.036024707	0.07202104	0.003987569	0.071086469	-1.314696094	2500.984931	-0.039397237
21A	21.0000152	0.04200003	0.083934546	0.00398979	0.083046627	-1.069181037	2501.951363	-0.078054512
24A	24.0056392	0.048011278	0.095926356	0.004012822	0.095591319	-0.350487895	2502.507166	-0.10028662
27A	27.0240274	0.027024027	0.108038609	0.003981307	0.10685193	-1.110582377	2501.330557	-0.05322227
30A	29.990886	0.029990886	0.119850585	0.004002383	0.119295969	-0.464907748	2502.356246	-0.094249853
35A	34.9869417	0.034986942	0.139846711	0.004000823	0.13923752	-0.437519635	2501.806546	-0.072261835
40A	39.9803555	0.039980356	0.159824474	0.003974899	0.158178862	-1.04034891	2501.516476	-0.060659045
45A	44.9525948	0.044952595	0.179588625	0.004018003	0.179880618	0.162325775	2503.086974	-0.123478979
50A	50.0034187	0.050003419	0.199882849	0.004076019	0.203075866	1.572326976	2501.636281	-0.065451238
60A	60.0530772	0.030026539	0.24084545	0.004018818	0.240603331	-0.100630057	2493.427931	0.262882774
70A	70.0559272	0.035027964	0.281045079	0.004022579	0.281066446	0.007602029	2492.693608	0.292255678
80A	80.1726048	0.040086302	0.32174021	0.004016364	0.321263327	-0.148440007	2491.842869	0.326285235
90A	90.0158934	0.045007947	0.361274439	0.004009902	0.360215857	-0.293874411	2491.620876	0.33516498
100A	100.0156704	0.050007835	0.401372562	0.004048313	0.40415572	0.688635123	2491.841243	0.32635026
120A	120.08355	0.030020888	0.482613622	0.004018982	0.481874593	-0.153365436	2488.192304	0.472307845

CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8350-2500-A
Lot #:	0
TURNS/RATIO:	2500
DATE:	June 24, 2020
TESTER:	lb



TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	100
Burden (Ohms):	20
MEASUREMENT CT TURNS RATIO:	2500
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	0.00070683	0.00070683	2.31204E-05	0.007863461	-0.000701272	103.2969285	611.4332169	75.54267133
0.1A	0.100011786	0.100011786	0.000804001	0.007951415	8.84047E-05	-809.4549947	2487.852022	0.485919122
0.2A	0.200438975	0.200438975	0.001602539	0.008038404	0.000904379	-77.19774897	2501.517139	-0.060685564
0.3A	0.300768688	0.300768688	0.00240903	0.007977066	0.001692421	-42.34223925	2497.010658	0.119573684
0.4A	0.400324909	0.400324909	0.003203197	0.007888769	0.00245124	-30.67655839	2499.533827	0.018646936
0.5A	0.500691603	0.500691603	0.003994966	0.007996292	0.003296846	-21.17541142	2506.612424	-0.264496952
0.6A	0.600345677	0.600345677	0.004791829	0.008025364	0.004111162	-16.55655828	2505.705606	-0.22822424
0.7A	0.700674462	0.700674462	0.005597004	0.007938012	0.004855132	-15.28016942	2503.748142	-0.149925665
0.8A	0.801288645	0.801288645	0.006395681	0.007887847	0.005613612	-13.931652	2505.717999	-0.228719977
0.9A	0.900337343	0.900337343	0.007176962	0.008003691	0.006499191	-10.42854343	2508.965066	-0.358602625
1A	1.00055985	1.00055985	0.007979112	0.007959736	0.007257362	-9.945078985	2507.947908	-0.317916334
2A	2.0049067	2.0049067	0.015938297	0.007954146	0.015205365	-4.820220064	2510.29413	-0.411765197
3A	3.0001354	3.0001354	0.023889617	0.007974813	0.023218688	-2.889608475	2511.66467	-0.466586794
4A	4.00691031	0.040069103	0.031918459	0.007952369	0.031157599	-2.441973571	2510.716642	-0.428665682
5A	5.0102436	0.050102436	0.039897336	0.007947612	0.039112639	-2.006247318	2511.568022	-0.462720875
7A	7.01266454	0.035063323	0.055811799	0.007958103	0.055100678	-1.290585858	2512.968455	-0.518738195
9A	8.9974814	0.044987407	0.071607177	0.007890015	0.070283434	-1.883434883	2513.011077	-0.520443086
11A	11.01359045	0.022027181	0.087514308	0.007925983	0.086586703	-1.071300959	2516.980541	-0.679221623
13A	13.0070252	0.02601405	0.103314238	0.007948271	0.102676531	-0.621083169	2517.95405	-0.718162002
15A	15.00536835	0.030010737	0.119197611	0.007945564	0.118519286	-0.572333189	2517.729714	-0.709188542
18A	18.0050071	0.036010014	0.143031433	0.007916553	0.141830765	-0.846550047	2517.629408	-0.705176323
21A	21.0124555	0.042024911	0.166840058	0.007938724	0.166105244	-0.442378511	2518.874154	-0.754966172
24A	24.00318505	0.04800637	0.190582633	0.008085931	0.193381257	1.447205448	2518.926795	-0.757071816
27A	27.0233213	0.027023321	0.215003245	0.00796976	0.214662544	-0.158714823	2513.75939	-0.5503756
30A	30.0318655	0.030031866	0.238980619	0.007973664	0.23875717	-0.093588462	2513.330631	-0.533225249
35A	35.0162463	0.035016246	0.278724396	0.007970093	0.278375917	-0.125183014	2512.607206	-0.504288258
40A	39.9873726	0.039987373	0.318344736	0.007976982	0.318271704	-0.02294633	2512.205674	-0.488226952
45A	45.0232358	0.045023236	0.358515724	0.007980614	0.358606256	0.025245645	2511.646368	-0.465854714
50A	50.020137	0.050020137	0.398394066	0.007911948	0.395049884	-0.846521386	2511.088456	-0.443538233
60A	60.099435	0.030049718	0.478140946	0.007957365	0.477526327	-0.12870885	2513.879453	-0.555178138
70A	70.0231888	0.035011594	0.55710788	0.007988793	0.55869393	0.283885311	2513.810747	-0.552429881
80A	80.0275066	0.040013753	0.637030304	0.007976249	0.637612472	0.091304389	2512.518042	-0.500721674
90A	90.0191404	0.04500957	0.716726061	0.007963245	0.716137624	-0.082168106	2511.953877	-0.478155098
100A	100.0380476	0.050019024	0.796509072	0.008427268	0.842340634	5.440977253	2511.912321	-0.476492853
120A	119.7125512	0.029928138	0.962311392	0.008038517	0.961604562	-0.073505314	2488.021075	0.479157

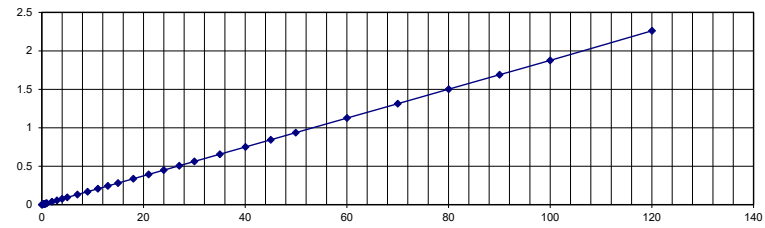
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8350-2500-A
Lot #:	0
TURNS/RATIO:	2500
DATE:	June 24, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	100
Burden (Ohms):	47
MEASUREMENT CT TURNS RATIO:	2500
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	0.000694993	0.000694993	2.31325E-05	0.018751545	-0.000681961	103.3920566	1412.068538	43.51725846
0.1A	0.100392543	0.100392543	0.001892616	0.018863431	0.001198755	-57.88180956	2493.083947	0.276642106
0.2A	0.199981644	0.199981644	0.003771208	0.018785399	0.003061742	-23.17196223	2492.34147	0.306341199
0.3A	0.300195263	0.300195263	0.005653761	0.01874347	0.004931708	-14.6410309	2495.538551	0.178457958
0.4A	0.399640349	0.399640349	0.007517706	0.018758455	0.006801643	-10.52780899	2498.514205	0.059431807
0.5A	0.499991145	0.499991145	0.009400132	0.018853247	0.008731464	-7.658152623	2499.920516	0.003179359
0.6A	0.600278262	0.600278262	0.01129087	0.018801559	0.010591174	-6.606407795	2498.751453	0.049941894
0.7A	0.700626244	0.700626244	0.013177569	0.018762688	0.012450638	-5.838499064	2498.900535	0.04397862
0.8A	0.800511193	0.800511193	0.015051679	0.018722059	0.014292224	-5.31375892	2499.656455	0.0137418
0.9A	0.900568886	0.900568886	0.016924965	0.018737995	0.016179862	-4.605123242	2500.846421	-0.033856831
1A	1.00022949	1.00022949	0.018792405	0.018783954	0.018093272	-3.864049341	2501.584378	-0.063375136
2A	2.00042776	2.00042776	0.037580083	0.018756131	0.036825291	-2.049655798	2501.859947	-0.074397888
3A	3.00258367	3.00258367	0.05637665	0.018827606	0.055836469	-0.967435192	2503.189383	-0.127575327
4A	4.00816985	0.040081699	0.075309431	0.018741477	0.07442403	-1.189670708	2501.466041	-0.058641633
5A	5.00578508	0.050057851	0.094006213	0.018731948	0.09307311	-1.002548213	2502.727112	-0.109084496
7A	7.01335496	0.035066775	0.131611907	0.01876399	0.130903529	-0.541145019	2504.543021	-0.181720829
9A	9.01450232	0.045072512	0.169161416	0.018519048	0.166245005	-1.754285096	2504.599566	-0.183982626
11A	11.0391053	0.022078211	0.206655135	0.018683841	0.205557898	-0.533785124	2510.646295	-0.425851813
13A	13.01523465	0.026030469	0.243576822	0.018730812	0.24309092	-0.19988479	2511.388496	-0.455539821
15A	14.99799685	0.029995994	0.280715568	0.018720413	0.280073704	-0.229176761	2511.103524	-0.444140946
18A	18.00595755	0.036011915	0.337025835	0.018698564	0.335990557	-0.308126989	2511.024132	-0.440965287
21A	21.0103651	0.04202073	0.393203942	0.018682396	0.391828974	-0.350910319	2511.386724	-0.455468954
24A	24.01325735	0.048026515	0.449305165	0.018727512	0.449013574	-0.064940441	2511.929938	-0.477197537
27A	27.0586984	0.027058698	0.506338699	0.018841683	0.509136437	0.549506513	2511.676132	-0.467045265
30A	30.0089567	0.030008957	0.561926532	0.01876705	0.562484603	0.099215275	2509.973964	-0.398958553
35A	35.0234762	0.035023476	0.656034271	0.018735926	0.655502276	-0.081158355	2509.17285	-0.366913996
40A	40.0839296	0.04008393	0.750846553	0.018734752	0.75026748	-0.077182157	2509.094147	-0.363765868
45A	45.0375325	0.045037533	0.843651074	0.018849713	0.84824956	0.542114775	2509.051541	-0.36206165
50A	49.9671875	0.049967188	0.936573655	0.01883057	0.940215623	0.387354533	2507.499933	-0.299973204
60A	60.0304472	0.030015224	1.12607057	0.018698984	1.121813353	-0.379494243	2505.554353	-0.222174118
70A	70.0261734	0.035013087	1.31298049	0.018862089	1.320144923	0.542700492	2506.686257	-0.267450274
80A	80.0347032	0.040017352	1.50176227	0.018786498	1.502876819	0.07416106	2504.811264	-0.192450577
90A	90.0407622	0.045020381	1.68974108	0.018720543	1.684916966	-0.286311665	2504.475907	-0.179036267
100A	100.0086344	0.050004317	1.87634506	0.019231031	1.922574196	2.404543677	2505.08604	-0.203441616
120A	120.041952	0.030010488	2.26160642	0.018840134	2.260911427	-0.03073951	2494.674446	0.21302214

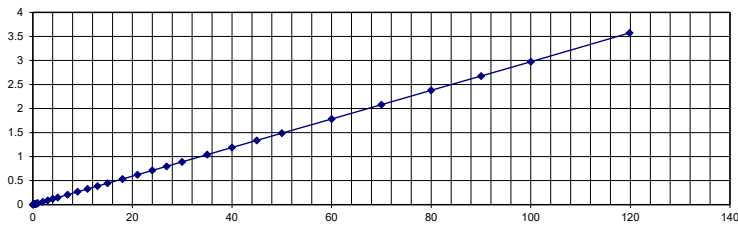
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8350-2500-A
Lot #:	0
TURNS/RATIO:	2500
DATE:	June 24, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	100
Burden (Ohms):	75
MEASUREMENT CT TURNS RATIO:	2500
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	0.000663777	0.000663777	2.8753E-05	0.029784164	-0.000644007	104.4647102	1731.408841	30.74364635
0.1A	0.099922189	0.099922189	0.002985082	0.02983432	0.002317334	-28.81536254	2510.538887	-0.421555469
0.2A	0.199983841	0.199983841	0.005970353	0.029771536	0.005290049	-12.8600672	2512.211179	-0.488447148
0.3A	0.299940109	0.299940109	0.008946205	0.029719845	0.008250397	-8.433630074	2514.530868	-0.581234736
0.4A	0.400990345	0.400990345	0.011949402	0.029780129	0.011277768	-5.955385815	2516.801709	-0.672068348
0.5A	0.500073749	0.500073749	0.014900119	0.029774179	0.014225509	-4.742257568	2517.129674	-0.685186953
0.6A	0.600698841	0.600698841	0.017896148	0.029797781	0.017235716	-3.831767589	2517.436284	-0.697451362
0.7A	0.701192502	0.701192502	0.020890636	0.029789599	0.020224467	-3.293879726	2517.368865	-0.694754613
0.8A	0.800672894	0.800672894	0.023854117	0.029710226	0.023124396	-3.155636492	2517.404991	-0.696187653
0.9A	0.901293234	0.901293234	0.02684357	0.029718889	0.026121657	-2.763658117	2518.181879	-0.727275162
1A	1.00066719	1.00066719	0.029796854	0.029738698	0.029094762	-2.413120992	2518.723596	-0.748943831
2A	2.0012487	2.0012487	0.059519424	0.029746717	0.058833372	-1.166093582	2520.34304	-0.813721589
3A	3.00024652	3.00024652	0.089269759	0.029465031	0.08773858	-1.745160416	2520.657508	-0.826300312
4A	4.00854088	0.040085409	0.118979184	0.030076017	0.119897166	0.765641133	2526.833316	-1.073332626
5A	5.00862002	0.0500862	0.149057581	0.029642806	0.147805776	-0.846925628	2520.143551	-0.805742044
7A	7.00643934	0.035032197	0.208278552	0.029740398	0.20771052	-0.273473102	2522.981581	-0.919263257
9A	9.00836892	0.045041845	0.267816735	0.029525216	0.265310264	-0.94473205	2522.723866	-0.908954625
11A	11.0131668	0.022026334	0.327008826	0.029591924	0.325237021	-0.544773376	2525.887512	-1.035500491
13A	13.00774395	0.026015488	0.386032202	0.029626255	0.384706958	-0.344481391	2527.200558	-1.088022315
15A	15.0188928	0.030037786	0.44561501	0.029646459	0.444593208	-0.229828564	2527.780561	-1.111222443
18A	18.0034349	0.03600687	0.534096114	0.029603621	0.532303085	-0.336843653	2528.117285	-1.124691388
21A	21.0129881	0.042025976	0.623189786	0.029589718	0.621104614	-0.335719946	2528.883083	-1.155323332
24A	24.01379555	0.048027591	0.711982832	0.030019307	0.720213726	1.14284044	2529.604065	-1.184162612
27A	26.8586864	0.026858686	0.797384484	0.02970267	0.797110909	-0.034320844	2526.261196	-1.050447829
30A	29.9792308	0.029979231	0.890072983	0.02977171	0.8918692	0.20139912	2526.132523	-1.045300911
35A	35.0299946	0.035029995	1.04044286	0.029932706	1.047878739	0.70961257	2525.126267	-1.005050676
40A	40.0163838	0.040016384	1.18969898	0.029612643	1.184327118	-0.453579259	2522.679128	-0.907165105
45A	44.999221	0.044999221	1.33725396	0.029882306	1.344016706	0.503174269	2523.785067	-0.951402679
50A	50.0206752	0.050020675	1.48730659	0.029546955	1.477294875	-0.677705949	2522.378819	-0.895152761
60A	60.0066158	0.030003308	1.78236073	0.029777998	1.786213095	0.215672177	2525.019829	-1.000793145
70A	70.0086234	0.035004312	2.08020049	0.029882718	2.091384157	0.53474953	2524.106104	-0.964244172
80A	80.014469	0.040007235	2.37920235	0.029734893	2.378557892	-0.027094485	2522.309704	-0.892388157
90A	90.0152284	0.045007614	2.67657386	0.029712877	2.673947635	-0.098215271	2522.307428	-0.89229714
100A	100.0088766	0.050004438	2.97351139	0.030236737	3.023278369	1.646043239	2522.492242	-0.89968969
120A	119.8222424	0.029955561	3.57260544	0.029815879	3.571941663	-0.01858308	2515.438195	-0.617527806

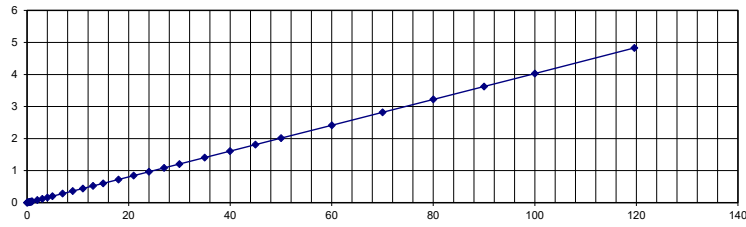
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8350-2500-A
Lot #:	0
TURNS/RATIO:	2500
DATE:	June 24, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	100
Burden (Ohms):	100
MEASUREMENT CT TURNS RATIO:	2500
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	0.000691035	0.000691035	3.37293E-05	0.040416557	-0.000663105	105.0865657	2048.767127	18.04931492
0.1A	0.100204584	0.100204584	0.004055724	0.040267488	0.003343952	-21.28534916	2470.695167	1.17219334
0.2A	0.200549027	0.200549027	0.008096343	0.040401246	0.007411396	-9.241807535	2477.032263	0.918709477
0.3A	0.300471499	0.300471499	0.012133335	0.040363769	0.011437128	-6.087258756	2476.413052	0.943477924
0.4A	0.400402575	0.400402575	0.01616693	0.040276662	0.015435845	-4.736284814	2476.676586	0.932936545
0.5A	0.500136771	0.500136771	0.020183891	0.040285802	0.019457377	-3.733875143	2477.90071	0.883971592
0.6A	0.600222664	0.600222664	0.024215931	0.040359407	0.023533596	-2.899408942	2478.627227	0.854910919
0.7A	0.701200665	0.701200665	0.028291343	0.040276682	0.027551002	-2.687167204	2478.499006	0.860039753
0.8A	0.80048817	0.80048817	0.032290315	0.040165109	0.03146066	-2.637118722	2479.034898	0.838604091
0.9A	0.901276375	0.901276375	0.036338484	0.040349036	0.035674598	-1.860947357	2480.225585	0.790976588
1A	1.00045152	1.00045152	0.040340105	0.0402969	0.03962406	-1.80709642	2480.041909	0.798323664
2A	2.00642895	2.00642895	0.080877877	0.040267337	0.080102517	-0.967960004	2480.813066	0.767477362
3A	3.00097796	3.00097796	0.120925718	0.040306897	0.120269075	-0.545978425	2481.670574	0.73317704
4A	4.01475935	0.040147594	0.1617881	0.040362288	0.161353838	-0.269136383	2481.492366	0.740305375
5A	5.01816471	0.050181647	0.202287836	0.040065948	0.20036649	-0.958915656	2480.705123	0.771795097
7A	7.01341508	0.035067075	0.282229433	0.040272981	0.2817601	-0.166571677	2485.004844	0.599806258
9A	8.99947646	0.044997382	0.362214046	0.039994057	0.359234539	-0.829404287	2484.574124	0.617035045
11A	10.99214965	0.021984299	0.441909131	0.040045622	0.439496433	-0.548968707	2487.423065	0.503077408
13A	13.01142555	0.026022851	0.52277229	0.039960131	0.519247235	-0.678877883	2488.927933	0.442882694
15A	15.0018207	0.030003641	0.602308741	0.040140392	0.601487929	-0.136463637	2490.719407	0.371223734
18A	18.00838145	0.036016763	0.722993268	0.040152335	0.722387532	-0.083851968	2490.809008	0.367639661
21A	21.00587865	0.042011757	0.84334978	0.040136172	0.842404514	-0.112210483	2490.767075	0.369316987
24A	24.01558295	0.048031166	0.964147788	0.040664194	0.975883279	1.202550674	2490.861178	0.365552879
27A	26.9867018	0.026986702	1.08496594	0.040106254	1.08164449	-0.307074116	2487.331704	0.506731852
30A	30.0052911	0.030005291	1.20603025	0.040258985	1.207291535	0.104472273	2487.938516	0.482459374
35A	34.9985963	0.034998596	1.40705565	0.040330451	1.410818128	0.266687695	2487.364043	0.505438289
40A	39.9803378	0.039980338	1.60797153	0.040415154	1.615120487	0.442626867	2486.383437	0.544662504
45A	44.9724526	0.044972453	1.80972862	0.04044605	1.818267018	0.46958986	2485.038481	0.598460779
50A	50.0204912	0.050020491	2.01390184	0.040086525	2.004456644	-0.471209807	2483.760142	0.649594322
60A	60.016753	0.030008377	2.41461724	0.040483328	2.428986886	0.591590103	2485.559699	0.577612044
70A	70.0341534	0.035017077	2.82015495	0.040190096	2.813988297	-0.2191428	2483.344165	0.666233393
80A	80.025202	0.040012601	3.22169615	0.040423278	3.234189957	0.386304051	2483.94629	0.642148391
90A	90.007293	0.045003647	3.62520499	0.04036168	3.632154495	0.191332851	2482.819406	0.687223759
100A	100.0007158	0.050000358	4.02855632	0.040848513	4.084189533	1.362160407	2482.296581	0.708136755
120A	119.5975688	0.029899392	4.82905863	0.040377565	4.828367595	-0.01431197	2476.622836	0.935086555

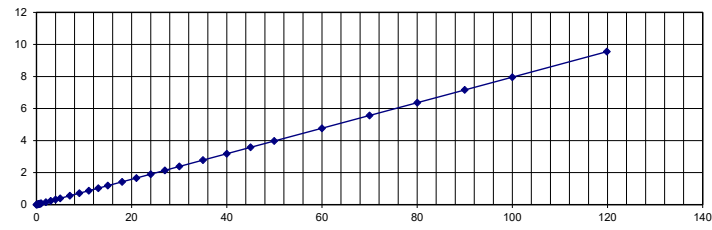
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8350-2500-A
Lot #:	0
TURNS/RATIO:	2500
DATE:	June 24, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	100
Burden (Ohms):	200
MEASUREMENT CT TURNS RATIO:	2500
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	0.000688777	0.000688777	3.29368E-05	0.079934091	-0.000633721	105.197362	4182.424303	-67.29697211
0.1A	0.100643284	0.100643284	0.008022709	0.079679993	0.007330479	-9.443184587	2508.959994	-0.358399747
0.2A	0.200408497	0.200408497	0.015972001	0.07954828	0.015253374	-4.711266251	2509.497708	-0.379908321
0.3A	0.300000129	0.300000129	0.023894344	0.079619593	0.023197111	-3.005689636	2511.0556	-0.44223988
0.4A	0.400217655	0.400217655	0.031873622	0.07955081	0.031148861	-2.326766817	2511.278134	-0.451125379
0.5A	0.500387156	0.500387156	0.039842187	0.079508815	0.039096412	-1.90752833	2511.845809	-0.473832369
0.6A	0.600962977	0.600962977	0.047838852	0.079503194	0.047089699	-1.590906471	2512.447339	-0.497893557
0.7A	0.700135149	0.700135149	0.055723356	0.079408794	0.054908111	-1.484744838	2512.896564	-0.515862541
0.8A	0.80006194	0.80006194	0.063658422	0.07948767	0.062906282	-1.195651798	2513.609087	-0.544363478
0.9A	0.900408833	0.900408833	0.071634763	0.079504648	0.07089791	-1.039315255	2513.887948	-0.555517915
1A	1.00069118	1.00069118	0.079607675	0.079481987	0.078848146	-0.96328134	2514.05703	-0.562281209
2A	2.0046028	2.0046028	0.15907131	0.079330396	0.158008528	-0.672610549	2515.174207	-0.606968284
3A	2.9990742	2.9990742	0.238357847	0.079413222	0.237543536	-0.342804937	2517.145928	-0.685837123
4A	4.00120475	0.040012048	0.317874094	0.079346728	0.316793727	-0.341031576	2517.477722	-0.699108874
5A	5.00106385	0.050010639	0.397209642	0.078934744	0.394068915	-0.79699314	2518.097912	-0.723916465
7A	7.00858416	0.035042921	0.555672743	0.079191915	0.554334422	-0.241428459	2522.558196	-0.902327829
9A	9.01121076	0.045056054	0.714264578	0.07861715	0.707746935	-0.920900217	2523.213677	-0.928547068
11A	11.00205515	0.02200411	0.870779091	0.079112046	0.869706311	-0.123349633	2526.945184	-1.077807345
13A	13.0060894	0.026012179	1.02932234	0.079097214	1.028056654	-0.123114383	2527.116899	-1.084675963
15A	15.00779885	0.030015598	1.18765198	0.079347544	1.190143205	0.209321469	2527.305827	-1.092233097
18A	18.0107088	0.036021418	1.42592551	0.079306898	1.427684673	0.123217911	2526.178075	-1.047123002
21A	21.01065805	0.042021316	1.66384218	0.079436601	1.668326491	0.268790946	2525.559011	-1.022360426
24A	24.01781125	0.048035623	1.90272021	0.08019635	1.925452031	1.180596572	2524.576249	-0.983049946
27A	26.9980132	0.026998013	2.14172153	0.079883685	2.156012015	0.662820308	2521.150656	-0.846026234
30A	30.0331094	0.030033109	2.3841762	0.079883857	2.398471842	0.596031269	2519.369953	-0.774798104
35A	35.0081531	0.035008153	2.78160188	0.079735345	2.79069838	0.325957848	2517.12176	-0.684870403
40A	39.9939986	0.039993999	3.17914999	0.079791992	3.190512047	0.35612018	2516.018352	-0.640734098
45A	45.0078204	0.04500782	3.57921282	0.079439101	3.574692002	-0.126467355	2514.95637	-0.598254786
50A	49.9546624	0.049954662	3.9721855	0.079385386	3.9649814	-0.181693163	2515.223038	-0.608921512
60A	60.0147132	0.030007357	4.77080652	0.079737333	4.784724364	0.290880798	2515.914781	-0.636591232
70A	69.9825474	0.034991274	5.56561503	0.079589231	5.569168383	0.06380402	2514.818112	-0.592724467
80A	80.0402642	0.040020132	6.36610098	0.079604152	6.370848544	0.074520117	2514.577273	-0.583090908
90A	90.0158242	0.045007912	7.16019697	0.079937882	7.194985558	0.483511581	2514.339328	-0.573573132
100A	100.0042706	0.050002135	7.95865222	0.080118889	8.011542277	0.660173224	2513.095631	-0.523825226
120A	119.866144	0.029966536	9.54996345	0.0796719	9.549274673	-0.007212877	2510.295346	-0.411813827

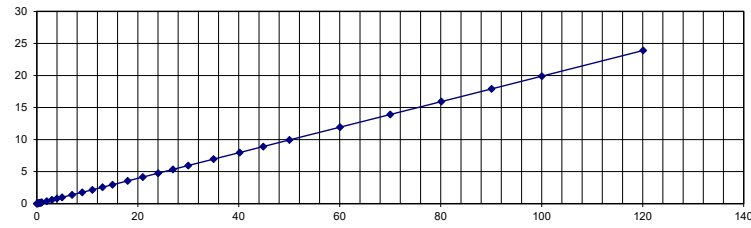
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8350-2500-A
Lot #:	0
TURNS/RATIO:	2500
DATE:	June 24, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	100
Burden (Ohms):	500
MEASUREMENT CT TURNS RATIO:	2500
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	0.000674516	0.000674516	0.00011272	0.198208699	-0.000540821	120.8424206	2991.992553	-19.67970211
0.1A	0.099897036	0.099897036	0.019779487	0.198224367	0.019127511	-3.408577344	2525.268656	-1.01074625
0.2A	0.200090656	0.200090656	0.039640304	0.197719145	0.038887237	-1.936538477	2523.828494	-0.953139771
0.3A	0.300938303	0.300938303	0.059579814	0.197256785	0.058687606	-1.520266651	2525.505551	-1.020222047
0.4A	0.400226866	0.400226866	0.079165157	0.19814561	0.078628681	-0.682290726	2527.796834	-1.111873373
0.5A	0.500259783	0.500259783	0.09898624	0.197588825	0.098171227	-0.830196129	2526.915769	-1.076630749
0.6A	0.599946477	0.599946477	0.118683217	0.198024742	0.118129731	-0.468541217	2527.51186	-1.100474383
0.7A	0.700517758	0.700517758	0.138598819	0.197821913	0.137903247	-0.5043913	2527.141873	-1.085674908
0.8A	0.8004033	0.8004033	0.158358368	0.197572931	0.15746351	-0.568295302	2527.189759	-1.087591405
0.9A	0.900281562	0.900281562	0.178091609	0.197253241	0.17690894	-0.668518719	2527.579955	-1.103198186
1A	1.00087523	1.00087523	0.197934036	0.19758483	0.197083246	-0.431690787	2528.305011	-1.132200427
2A	2.00108829	2.00108829	0.395560963	0.197273462	0.394087098	-0.37399475	2529.430957	-1.17723826
3A	2.99966142	2.99966142	0.592552941	0.195155319	0.584725365	-1.338675714	2531.133687	-1.24534746
4A	4.00345501	0.04003455	0.788448599	0.196857971	0.787437516	-0.128401698	2538.818012	-1.552720496
5A	5.00815751	0.050081575	0.986232295	0.194550367	0.973664365	-1.290786676	2539.035446	-1.56141784
7A	7.00364506	0.035018225	1.37445513	0.197868839	1.385128598	0.770575983	2547.789632	-1.911585284
9A	9.00170212	0.045008511	1.76980836	0.195800043	1.761859148	-0.451183195	2543.129054	-1.725162153
11A	11.0055289	0.022011058	2.16215773	0.199118776	2.190732927	1.304366995	2545.033775	-1.801351005
13A	13.022167	0.026044334	2.56370824	0.198911094	2.589578972	0.999032379	2539.713138	-1.588525534
15A	15.01764745	0.030035295	2.96063144	0.198192305	2.975707648	0.506642771	2536.223734	-1.44894935
18A	18.0177719	0.036035544	3.55523302	0.199268099	3.589692634	0.959960006	2533.979039	-1.359161544
21A	21.0108258	0.042021652	4.15165318	0.1995342	4.191703794	0.955473379	2530.416787	-1.216671475
24A	24.02072045	0.048041441	4.7522301	0.201085204	4.829536951	1.600709379	2527.310331	-1.092413223
27A	26.9706825	0.026970683	5.34542382	0.199899105	5.390740787	0.840644514	2522.782422	-0.911296871
30A	30.0010714	0.030001071	5.95119585	0.199614946	5.987987744	0.614428349	2520.59184	-0.823673615
35A	35.0086343	0.035008634	6.95078025	0.198270338	6.940499238	-0.148130734	2518.324062	-0.732962461
40A	40.1852351	0.040185235	7.97714664	0.200230567	8.045637911	0.851284528	2518.772496	-0.750899823
45A	44.8521994	0.044852199	8.91161555	0.199768113	8.959364736	0.532952812	2516.502151	-0.660086038
50A	50.0260196	0.05002602	9.94517985	0.198367232	9.922848531	-0.225049483	2515.088734	-0.603549367
60A	60.044119	0.03002206	11.9324425	0.198765904	11.93404908	0.013462146	2516.002864	-0.640114545
70A	69.992616	0.034996308	13.9098645	0.19911911	13.93619286	0.188920782	2515.934501	-0.637380041
80A	80.1282022	0.040064101	15.9280534	0.19931713	15.97024878	0.264212431	2515.31685	-0.612673988
90A	90.0654384	0.045032719	17.9087148	0.199230064	17.94306856	0.191459765	2514.570124	-0.58280497
100A	100.0293598	0.05001468	19.8938275	0.199915653	19.99676026	0.514747174	2514.080305	-0.563212182
120A	120.0938332	0.030023458	23.9050298	0.199052934	23.90435528	-0.002821728	2511.894656	-0.47578623

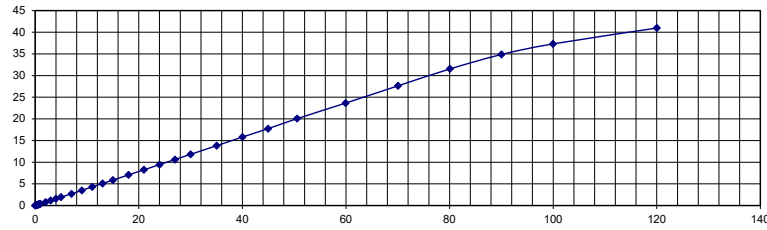
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8350-2500-A
Lot #:	0
TURNS/RATIO:	2500
DATE:	June 24, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	100
Burden (Ohms):	1000
MEASUREMENT CT TURNS RATIO:	2500
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	0.000707204	0.000707204	0.000238557	0.388333188	-0.000432573	155.1482869	2964.510935	-18.58043739
0.1A	0.100205363	0.100205363	0.038876994	0.388161405	0.038188651	-1.80248093	2577.49771	-3.099908393
0.2A	0.200175041	0.200175041	0.077681365	0.389689245	0.077298857	-0.494842695	2576.873382	-3.074935294
0.3A	0.300096406	0.300096406	0.116619646	0.389174596	0.116082694	-0.462560092	2573.292033	-2.93168134
0.4A	0.400105714	0.400105714	0.155540728	0.389553708	0.155155461	-0.248310542	2572.353358	-2.894134326
0.5A	0.500033129	0.500033129	0.194467823	0.389058406	0.193834888	-0.326532938	2571.289796	-2.851591854
0.6A	0.60011602	0.60011602	0.233405913	0.388606834	0.232501983	-0.388783776	2571.126037	-2.845041462
0.7A	0.700410988	0.700410988	0.272381223	0.389287645	0.27195414	-0.157042116	2571.436387	-2.857455486
0.8A	0.800251295	0.800251295	0.311247821	0.38821024	0.309958543	-0.415951634	2571.106498	-2.844259912
0.9A	0.900177737	0.900177737	0.350040289	0.388879495	0.349353461	-0.196599875	2571.640366	-2.865614649
1A	1.00025379	1.00025379	0.388957814	0.389570872	0.388962538	0.001214507	2571.62539	-2.865015588
2A	2.00178656	2.00178656	0.779125809	0.388538296	0.777063535	-0.265393229	2569.272558	-2.770902305
3A	3.0006839	3.0006839	1.1669653	0.384692376	1.153396233	-1.179152219	2570.760335	-2.830413386
4A	4.00166209	0.040016621	1.55230199	0.389034151	1.55607601	0.242534425	2577.888913	-3.115566529
5A	5.0069982	0.050069982	1.94341207	0.385560817	1.929795114	-0.705616689	2576.395545	-3.055821815
7A	7.00903268	0.035045163	2.71531812	0.39367446	2.75856995	1.567907667	2581.293377	-3.251735086
9A	9.00786842	0.045039342	3.5022087	0.398334558	3.587438081	2.37577289	2572.053579	-2.882143146
11A	11.01549275	0.022030986	4.30191485	0.394552302	4.345480822	1.002558137	2560.602228	-2.424089124
13A	13.0115488	0.026023098	5.08946336	0.396217528	5.154696503	1.265508909	2556.565964	-2.262638551
15A	15.00199075	0.030003982	5.87811135	0.394986155	5.924871444	0.789217028	2552.178728	-2.087149132
18A	18.03246155	0.036064923	7.07510536	0.395233929	7.126333416	0.718855729	2548.719861	-1.948794442
21A	21.01872605	0.042037452	8.25537841	0.396538539	8.334027712	0.943712991	2546.064518	-1.842580709
24A	24.00797235	0.048015945	9.44072977	0.397941249	9.553055288	1.175807259	2543.020819	-1.720832753
27A	26.986394	0.026986394	10.6259666	0.396499512	10.69938486	0.686191373	2539.664862	-1.586594484
30A	30.0110411	0.030011041	11.8252377	0.397649497	11.93316819	0.904457949	2537.880579	-1.515223157
35A	35.0501238	0.035050124	13.8290264	0.400211074	14.02674048	1.409551113	2534.533002	-1.381320091
40A	40.0155926	0.040015593	15.816262	0.390333704	15.61872725	-1.264730104	2530.028435	-1.201137412
45A	44.9734066	0.044973407	17.7514639	0.412036943	18.52999776	4.201478447	2533.504102	-1.340164064
50A	50.5879784	0.050587978	20.0648749	0.383652343	19.40748923	-3.387278307	2521.220723	-0.848828915
60A	59.9373768	0.029968688	23.6517935	0.393608772	23.59117009	-0.256975012	2534.157792	-1.366311692
70A	70.0617914	0.035030896	27.6368519	0.388909291	27.24697439	-1.430902016	2535.085821	-1.403432856
80A	80.081605	0.040040803	31.5336505	0.335364461	26.85581711	-17.41832457	2539.560239	-1.58240956
90A	90.0280164	0.045014008	34.8693234	0.24467946	22.02729922	-58.30049362	2581.868749	-3.274749977
100A	99.990332	0.049995166	37.3068974	0.182858304	18.28335533	-104.0484185	2680.210336	-7.208413423
120A	120.018992	0.030004748	40.9693042	0.341356843	40.968597	-0.001726209	2929.485729	-17.17942918