





TEST REPORT No. E/1/13.10.15./01

**SIA Baltic Photometric Laboratory Test Report for
Electrical Measurements of Solid-State Lighting Products**

Report reference No.	Report No.: E/1/13.10.15./01
Date of Issue	29.10.2015.
Project Handler	Ingmārs Felcis
Testing Laboratory	SIA Baltic Photometric Laboratory
Address	Gaujas iela 24/32, LV-2136, Inčukalna nov., Vangaži, Latvia
Testing location	Same as above
Client	SIA "VIZULO"
Client number	1
Address	Ganību dambis 7a, Rīga, LV-1045
Contact person	Sergejs Burtovojš, sergey.burtovoy@vizulo.eu
Standard	This SIA Baltic Photometric Laboratory test method is based on the requirements in the following standards: IES LM-79-08 and EN 13032-1:2004+A1:2012
TRF originated by	SIA Baltic Photometric Laboratory, Ingmārs Felcis
Copyright blank test report	This report based on the content of the standard (see above). The test report considered selected clauses of the a.m. standard(s) and experience gained with product testing. It was prepared by SIA Baltic Photometric Laboratory SIA Baltic Photometric Laboratory takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.
Number of pages (Report)	45
Compiled and approved by:	
Head of Laboratory Ingmārs Felcis-Kaipšteins	
(+signature)	





Test sample	1	
Type of test object	LED street luminaire	
Trade mark	VIZULO STORK	
Model and/or type reference	SR 066 740 02 012 S N DD 06 1	
Rating(s)	AC: 210-250 V~, 50 Hz	
Manufacturer	Same as above	
Address	Same as above	
Order Description	<input checked="" type="checkbox"/> Full test according to testing application <input type="checkbox"/> Partial test according to manufacturer's specification <input type="checkbox"/> Repeated test <input type="checkbox"/> Device check <input type="checkbox"/> Other ()	
Date of order	01.09.2015.	
Date of receipt of test item	06.10.2015.	
Date(s) of performance of test	13.10.2015.	
Equipment used	Digital Multimeter: TEKTRONIX DMM4050 (Current $\pm 0,07$ %) Single-Phase AC Power Analyzer: TEKTRONIX PA1000 (Voltage $\pm 0,08$ % $\pm 0,005$ V, Current $\pm 0,08$ %, Active power $\pm 0,15$ %) Basic AC Power Source, 1000 VA, 270 V, 5 A: KEYSIGHT AC6802A	
Test item particulars: Lamp type: <div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;"> <input type="checkbox"/> Bare lamp <input checked="" type="checkbox"/> Cover lamp, no reflector <input type="checkbox"/> Lamp with reflector <input type="checkbox"/> Other: </div> </div> Rated Voltage: 210-250 V~ Rated Frequency: 50 Hz		
Attachments: 1. Concise form of the test report		



General remarks:

"(See remark #)" refers to a remark appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report, a point is used as the decimal separator.

The test results presented in this report relate only to the object tested.

This report shall not be reproduced except on full without the written approval of the testing laboratory.

SIA Baltic Photometric Laboratory is an accredited photometric, colorimetric testing laboratory by LATAK (Latvian National Accreditation Bureau) acc. to EN 17025 using testing methods based on IESNA LM-79-08 and EN 13032-1+A1:2012 standards.

The report must not be used by the client to claim product certification, approval or endorsement by any agency of the federal government

Summary of testing object:

Product Name	Product code	Version number (if applicable)
VIZULO STORK Street luminaire	SR 066 740 02 012 S N DD 06 1	

Additional information:

As the electronic components used in the luminaires are the same, the results of the performed tests can be considered the same or very similar for products from VIZULO product ranges Stork and Stork Little Brother with following parameters:

Power: 37 ... 66 [W]

LED module type: 01 (32 LEDs)

LED module quantity: 2

LED driver: Osram OT 60/170...240/1A0 4DIMLT2 E

These parameters correspond to following model numbers:

SR ppp xxx xx 012 x x xx xx x;

SRL ppp xxx xx 012 x x xx xx x, where ppp - 037 ... 066 [W]

Complete model number overviews of aforementioned product ranges can be seen below.



SR

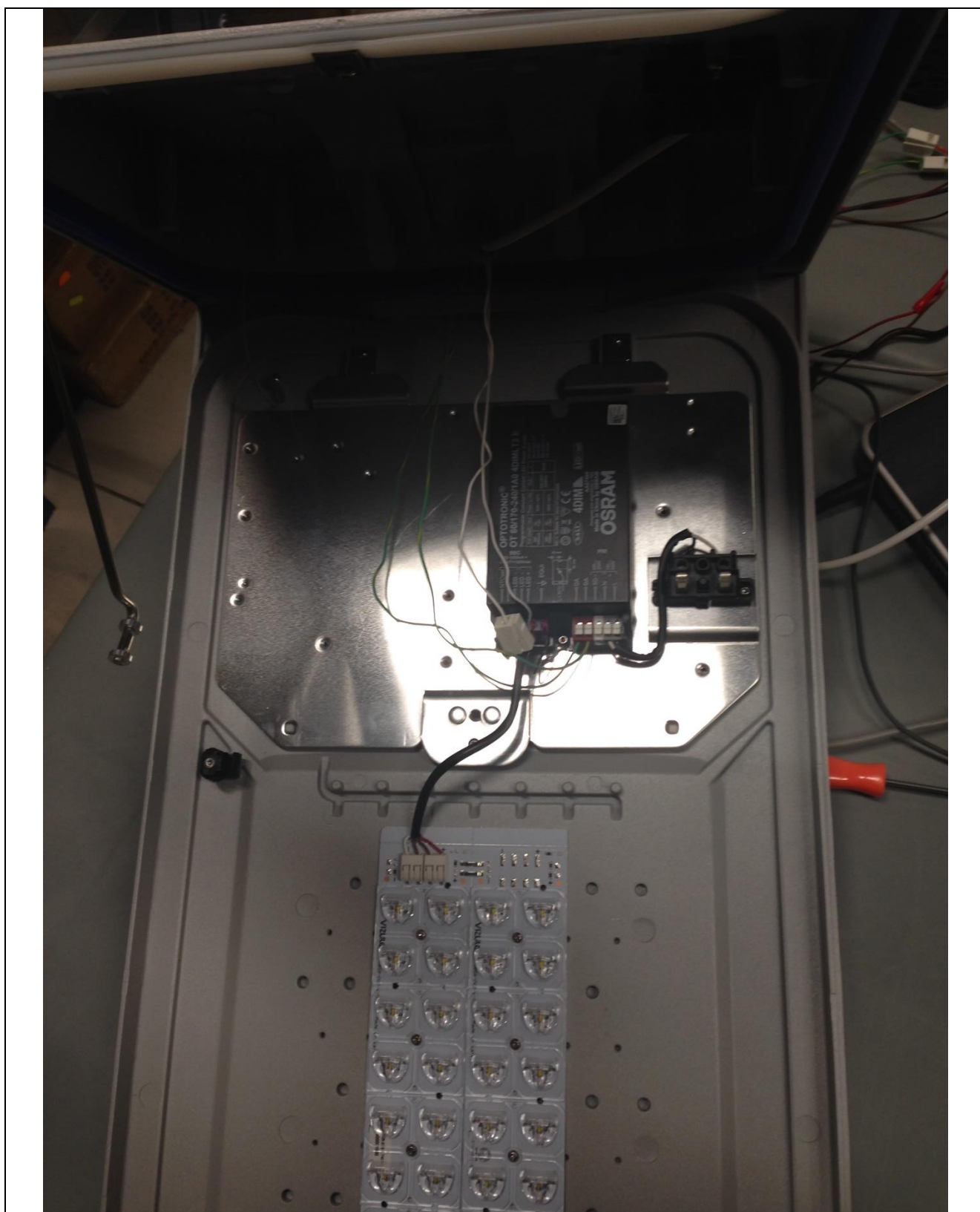
Power [W]	018 ... 200
Color rendering index	≥70 - 7 ≥80 - 8
Color temperature [K]	3000 ... 5000 Standard values: 3000 K - 30 4000 K - 40
Lens type	01 ... 99
LED module type	01 ... 04 16 LEDs - 01 108 LEDs - 02 78 LEDs - 03 84 LEDs - 04 98 LEDs - 05
LED module quantity	1 ... 4
Body color	Silver (RAL 9006) - S Gray (RAL 9007) - G Asphalt (RAL 7138) - A Black (RAL 9005) - B
Console	Narrow - N
Dimming	Non dimmable - ND DALI - DD 1-10V - D1 Night time dimming - DY Wireless - DW
Surge protection [kV]	03; 06; 10
Protection class	Class I - 1 Class II - 2 Class III - 3

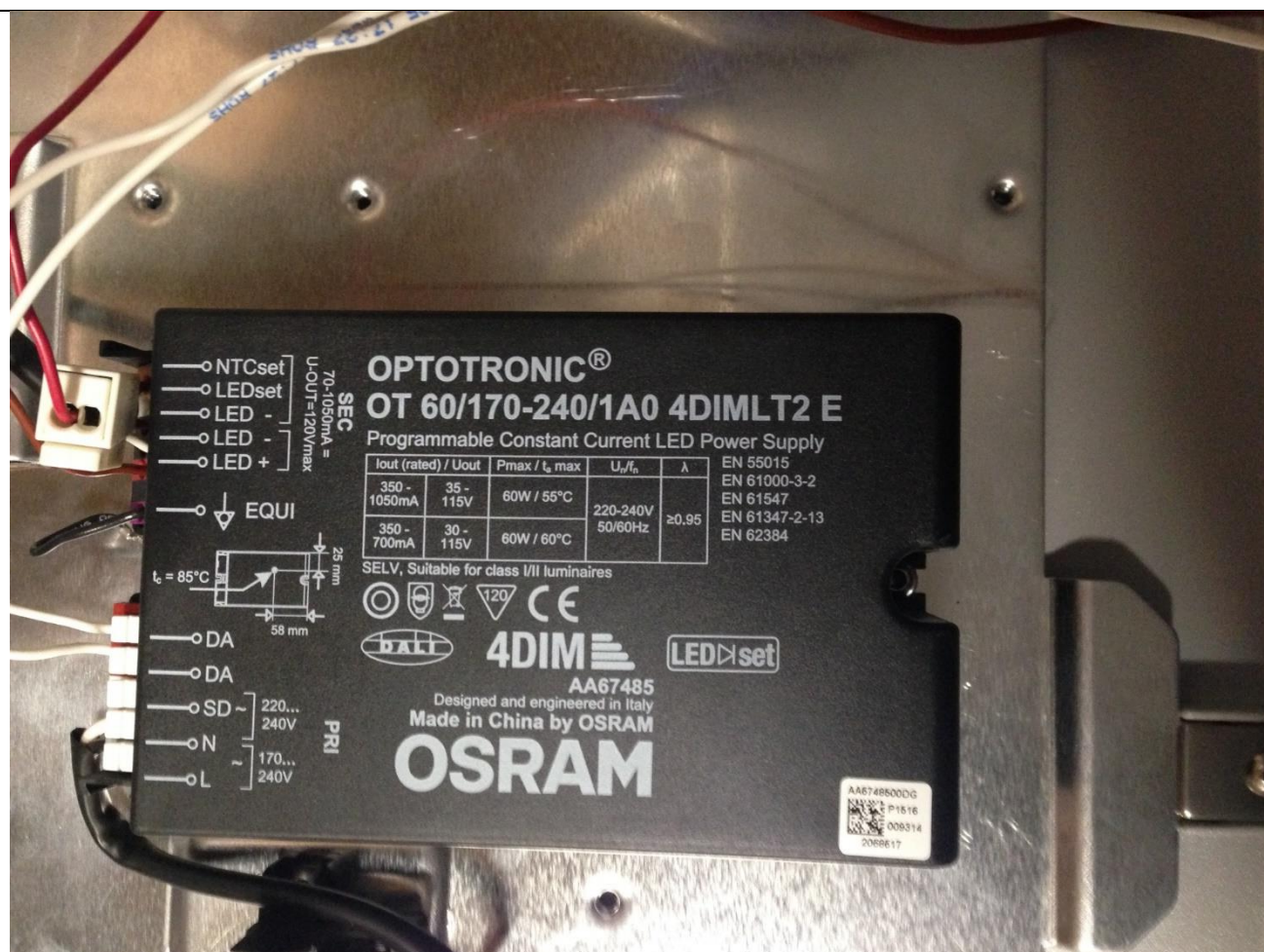
SRL

Power	018 ... 137 [W]
Color rendering index	≥70 - 7 ≥80 - 8
Color temperature [K]	3000 ... 5000 Standard values: 3000 K - 30 4000 K - 40
Lens type	01 ... 99
LED module type	16 LEDs - 01
LED module quantity	1 ... 4
Body color	Silver (RAL 9006) - S Gray (RAL 9007) - G Asphalt (RAL 7138) - A Black (RAL 9005) - B
Console	Narrow - N
Dimming	Non dimmable - ND DALI - DD 1-10V - D1 Night time dimming - DY Wireless - DW
Surge protection [kV]	03; 06; 10
Insulation class	Class I - 1 Class II - 2 Class III - 3

Photo of the sample and measuring devices:







Model No.: SR 066 740 02 012 S N DD 06 1



Purpose of the product
(description of intended use)

LED street lamp for general lighting purpose.

Possible test case verdicts:

- test case does not apply to the test object: N (not/ not included in the order)
- test object does meet the requirement: P (pass)
- test object does not meet the requirement: F (fail)

Possible suffixes to the verdicts:

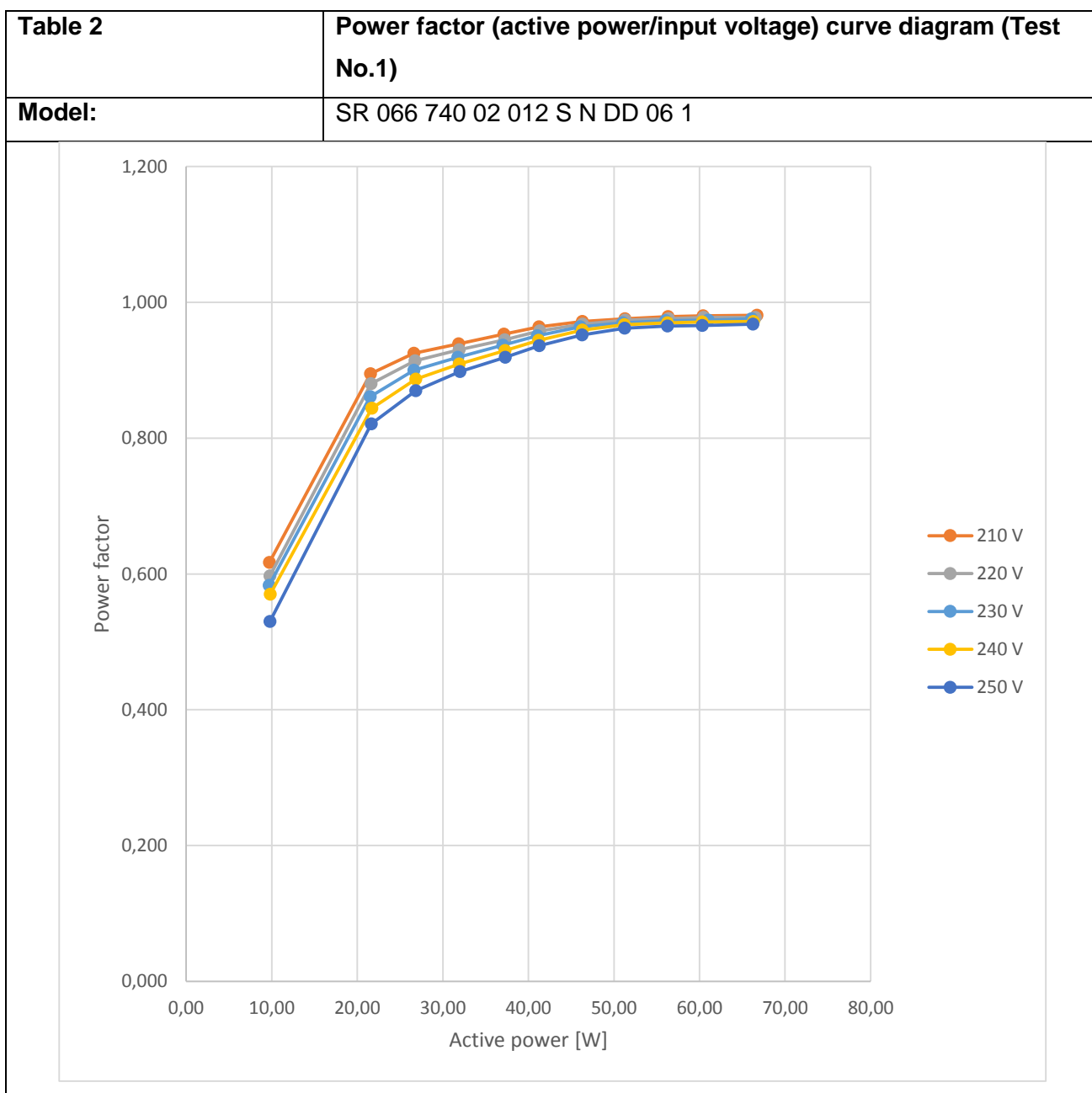
- suffix for detailed information for the client..... C (comment)
- suffix for important information for manufacturer..... M (manufacturing)

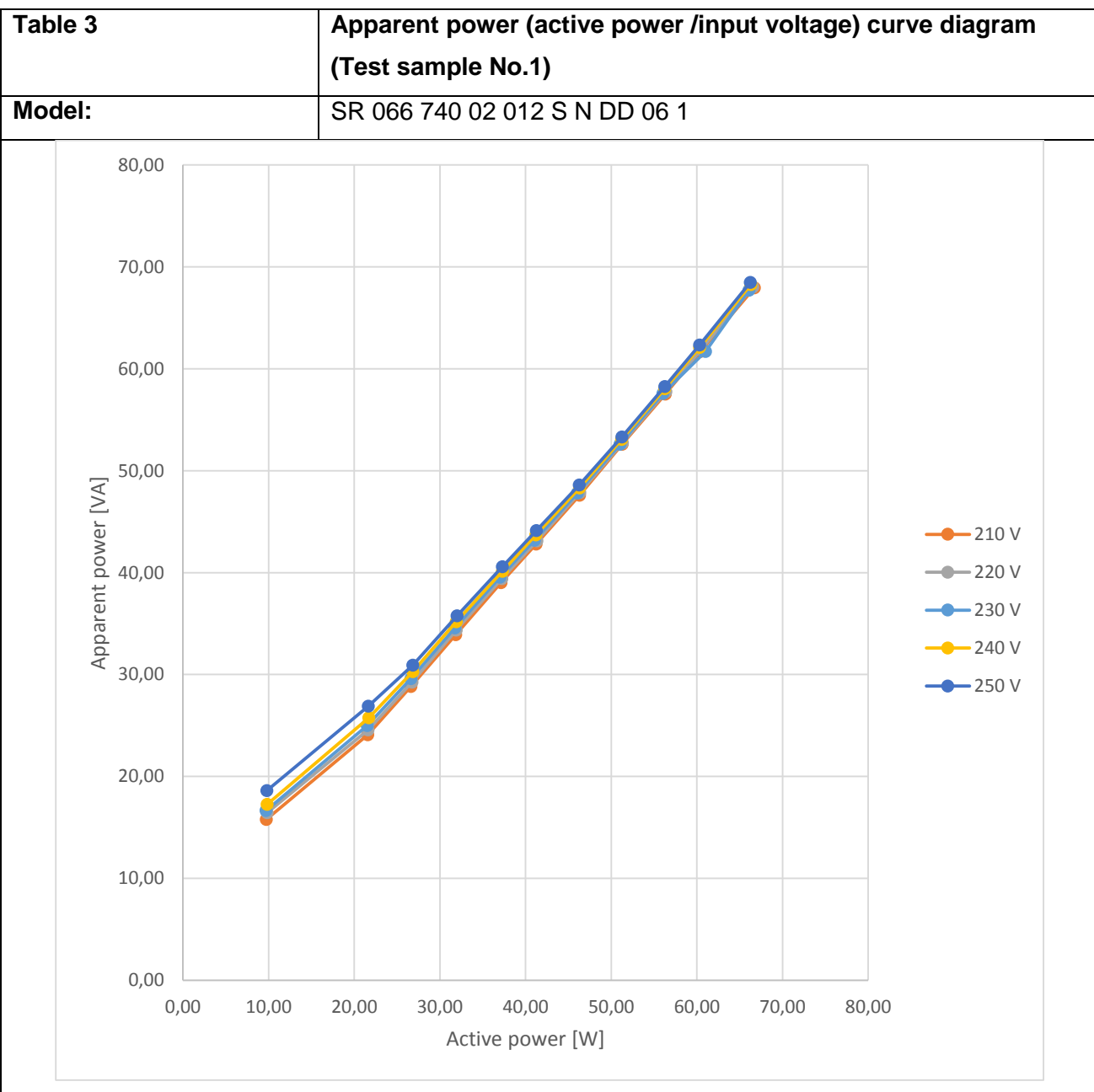


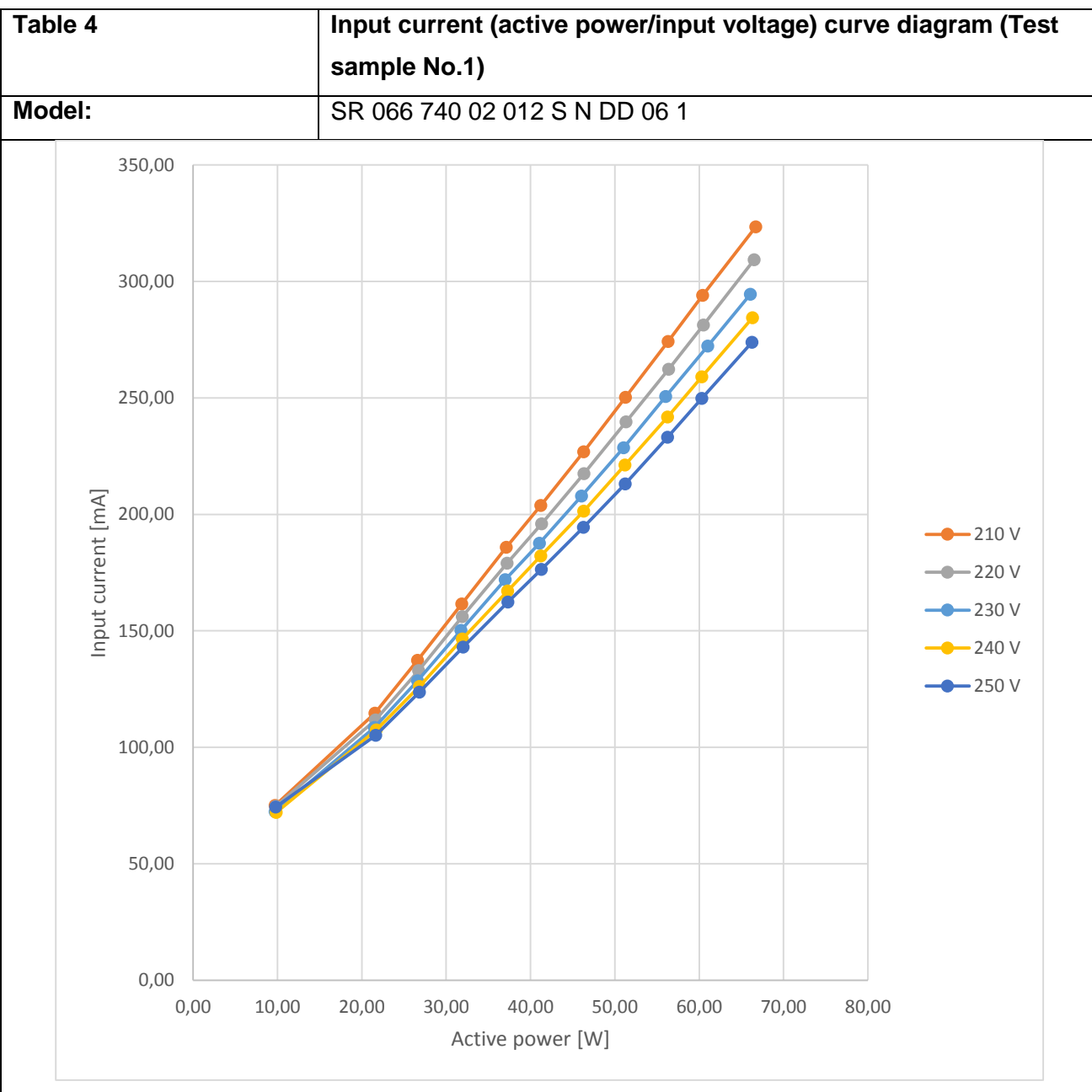
Clause	Requirement - Test	Measuring result – Remark	Verdict
2.0	Ambient Conditions		
2.1	General		P
2.2	Air Temperature		P
2.3	Thermal Condition for Mounting SSL Products		P
2.4	Air Movement		P
3.0	Power Supply Characteristics		
3.1	Wave shape of AC power supply		P
3.2	Voltage regulation		P
4.0	Seasoning of SSL Product		N
	No seasoning of SSL product		P
5.0	Stabilisation of SSL Product		
	SSL product has sufficiently stabilised before measurement		P
6.0	Operation Orientation		
	SSL product Shall be stabilized and measured in intended operating orientation	Test object is not dependent on operating orientation	P
7.0	Electrical Settings		
	SSL product shall be operated at rated voltage		P
	SSL product with dimming capability are tested at maximum input power condition		N
	SSL product with different modes are measured in all relevant modes		N
8.0	Electrical Instrumentations		
8.1	Circuits		P



Table 1	Test data		
Model:	SR 066 740 02 012 S N DD 06 1		
Rated Voltage (V):	220-240	Rated Power (W):	66
Rated Frequency (Hz):	50 Hz	Ambient temperature 25 ±1 (°C):	24.6
Test item		Measured Value	
Electrical Input Results			
Input Voltage (Volts AC)		210 - 250	
Input Frequency (Hertz)		50	
Additional Information			
Ambient Temperature (°C):		24.6	
Supplementary Information: <ul style="list-style-type: none">- Stabilisation considered reached: the variation (maximum-minimum) of readings every 5 minutes of the light output and electrical power over a period of 30 minutes is less than 0.5%.			







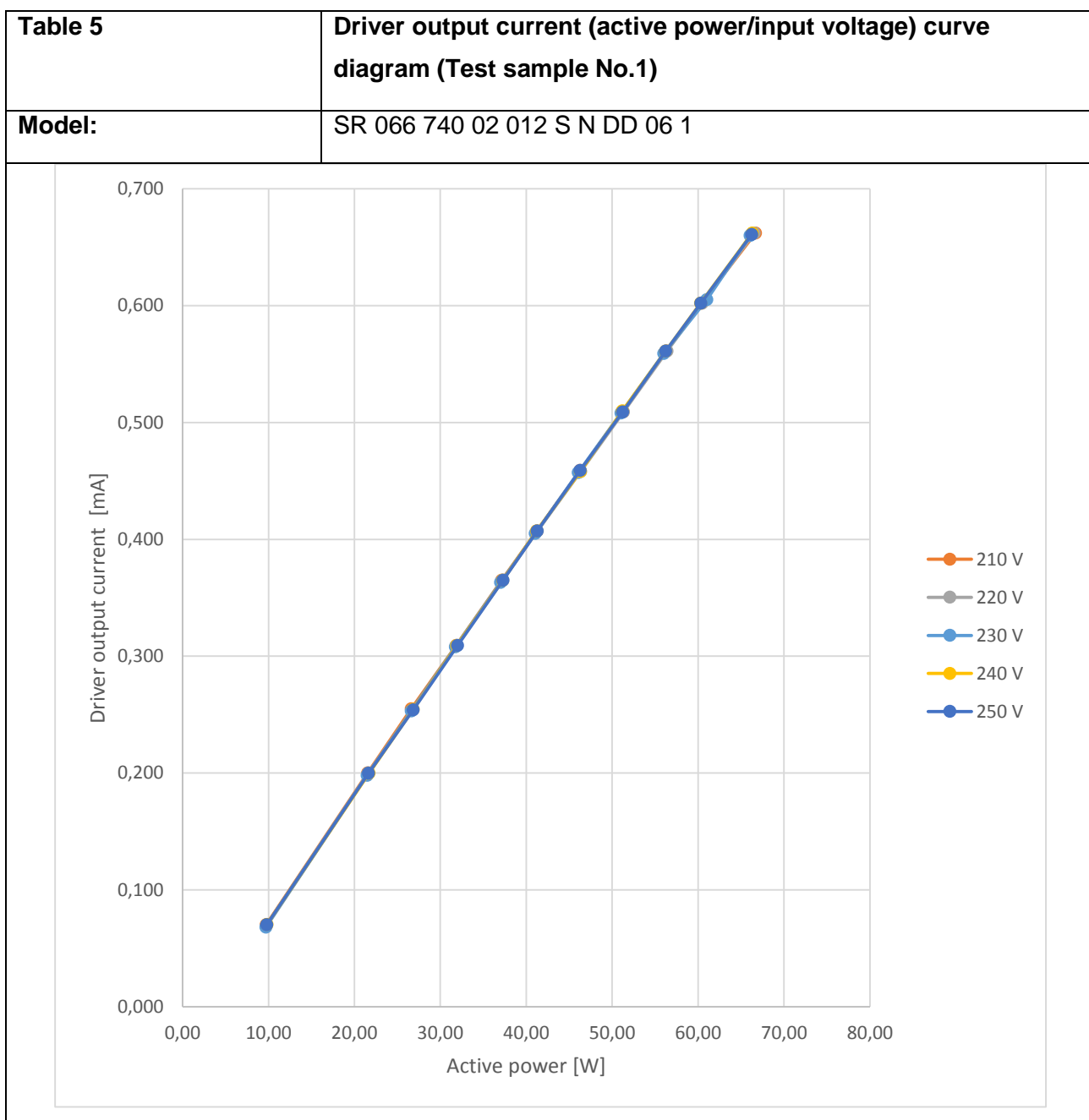




Table 6		Test data table No.1					
Model:		SR 066 740 02 012 S N DD 06 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	66,07	67,70	0,976	294,40	0,660	100,00%
2	230	61,02	61,69	0,974	270,20	0,605	91,67%
3	230	56,02	57,57	0,973	250,60	0,559	84,70%
4	230	51,02	52,60	0,970	228,60	0,508	76,97%
5	230	46,04	47,81	0,964	207,80	0,457	69,24%
6	230	41,04	43,16	0,951	187,61	0,405	61,36%
7	230	37,00	39,55	0,937	171,91	0,363	55,00%
8	230	31,74	34,55	0,919	150,20	0,308	46,67%
9	230	26,61	29,58	0,900	128,53	0,253	38,33%
10	230	21,49	24,99	0,861	108,54	0,198	30,00%
11	230	9,70	16,64	0,583	72,33	0,068	10,30%
1	210	66,70	67,93	0,981	323,40	0,662	100,00%
2	210	60,40	61,68	0,980	294,00	0,602	91,21%
3	210	56,30	57,50	0,979	274,20	0,561	85,00%
4	210	51,26	52,58	0,976	250,20	0,509	77,12%
5	210	46,28	47,59	0,972	226,80	0,459	69,55%
6	210	41,22	42,80	0,964	203,80	0,407	61,67%
7	210	37,13	39,02	0,953	185,85	0,365	55,30%



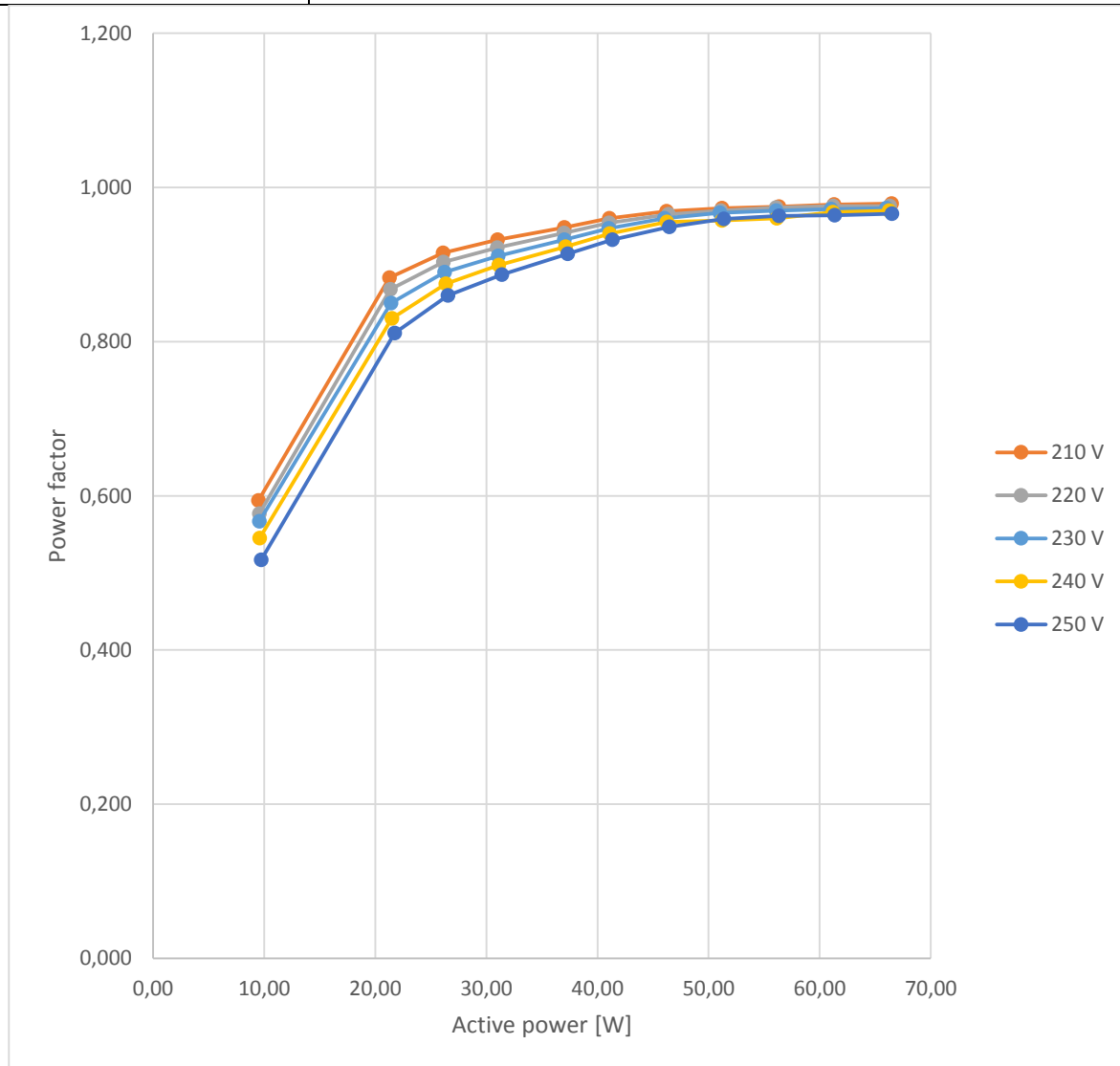
8	210	31,85	33,91	0,939	161,53	0,309	46,82%
9	210	26,60	28,83	0,925	137,27	0,255	38,64%
10	210	21,55	24,08	0,895	114,64	0,200	30,30%
11	210	9,72	15,77	0,617	74,98	0,070	10,61%
1	220	66,52	68,02	0,978	309,30	0,662	100,00%
2	220	60,48	61,89	0,978	281,30	0,602	90,94%
3	220	56,38	57,75	0,976	262,30	0,561	84,74%
4	220	51,31	52,73	0,974	239,70	0,509	76,89%
5	220	46,33	47,85	0,968	217,50	0,458	69,18%
6	220	41,31	43,10	0,958	195,90	0,407	61,48%
7	220	37,22	39,41	0,945	179,00	0,365	55,14%
8	220	31,90	34,35	0,930	156,06	0,309	46,68%
9	220	26,73	29,24	0,914	132,93	0,254	38,37%
10	220	21,60	24,57	0,880	111,68	0,200	30,21%
11	220	9,80	16,44	0,597	74,66	0,070	10,57%
1	240	66,30	68,25	0,972	284,40	0,662	100,00%
2	240	60,30	62,10	0,971	259,00	0,602	90,94%
3	240	56,24	58,03	0,970	241,80	0,561	84,74%
4	240	51,20	53,06	0,967	221,10	0,510	77,01%
5	240	46,30	48,29	0,959	201,30	0,458	69,18%
6	240	41,20	43,70	0,944	182,10	0,407	61,48%
7	240	37,27	40,12	0,929	167,11	0,365	55,14%

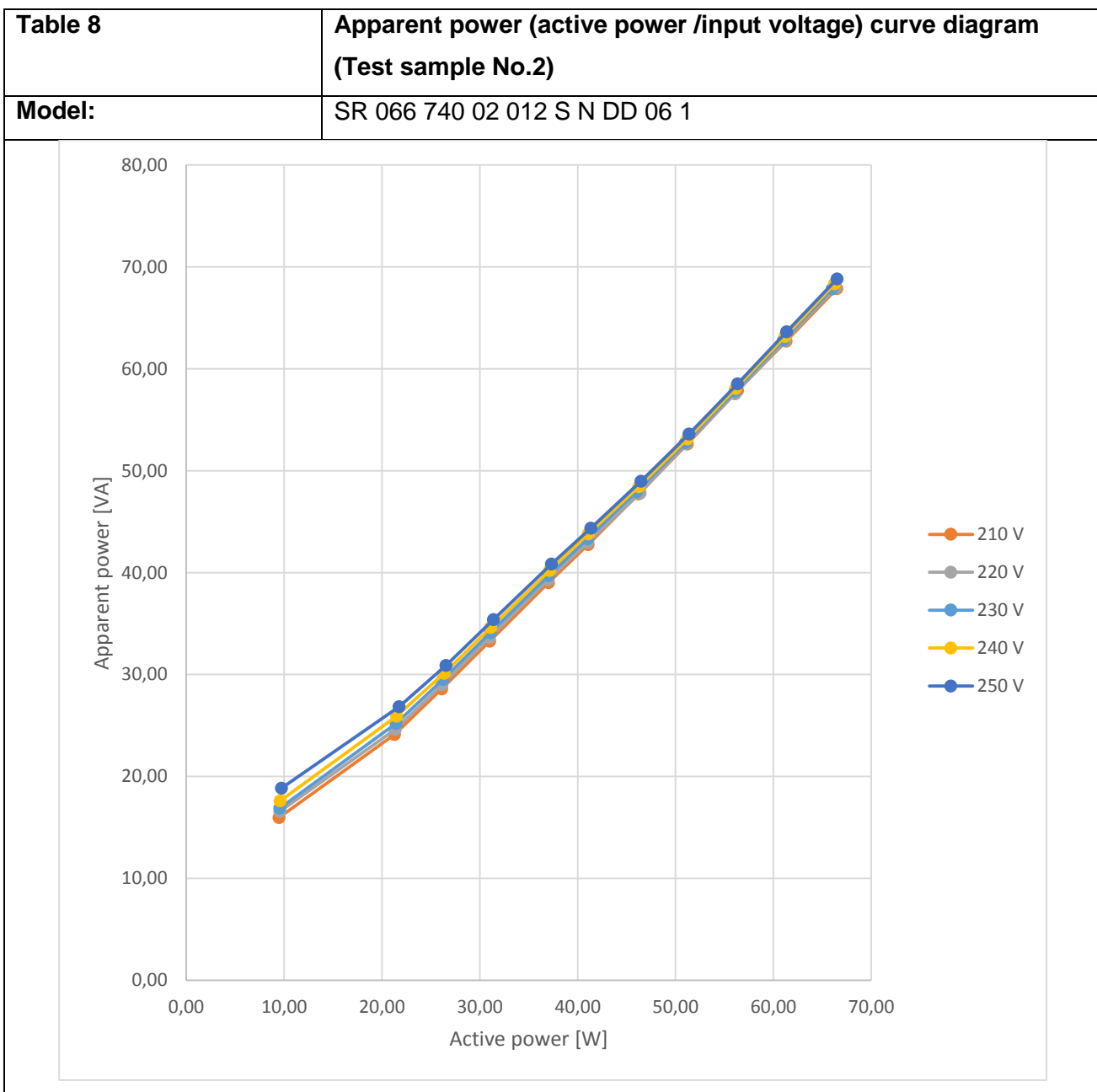


8	240	31,90	35,18	0,909	146,50	0,309	46,68%
9	240	26,82	30,28	0,887	126,04	0,255	38,44%
10	240	21,70	25,75	0,844	107,45	0,200	30,20%
11	240	9,83	17,26	0,570	71,99	0,070	10,62%
1	250	66,25	68,48	0,968	273,90	0,661	100,00%
2	250	60,31	62,34	0,966	249,80	0,602	91,07%
3	250	56,24	58,25	0,965	233,10	0,561	84,87%
4	250	51,23	53,29	0,962	213,00	0,509	77,00%
5	250	46,27	48,60	0,952	194,44	0,459	69,44%
6	250	41,26	44,13	0,936	176,39	0,407	61,57%
7	250	37,30	40,58	0,919	162,36	0,365	55,22%
8	250	32,00	35,75	0,898	142,94	0,309	46,75%
9	250	26,82	30,90	0,870	123,61	0,254	38,43%
10	250	21,63	26,89	0,821	102,14	0,200	30,24%
11	250	9,78	18,60	0,530	74,35	0,070	10,62%



Table 7	Power factor (active power/input voltage) curve diagram (Test No.2)
Model:	SR 066 740 02 012 S N DD 06 1





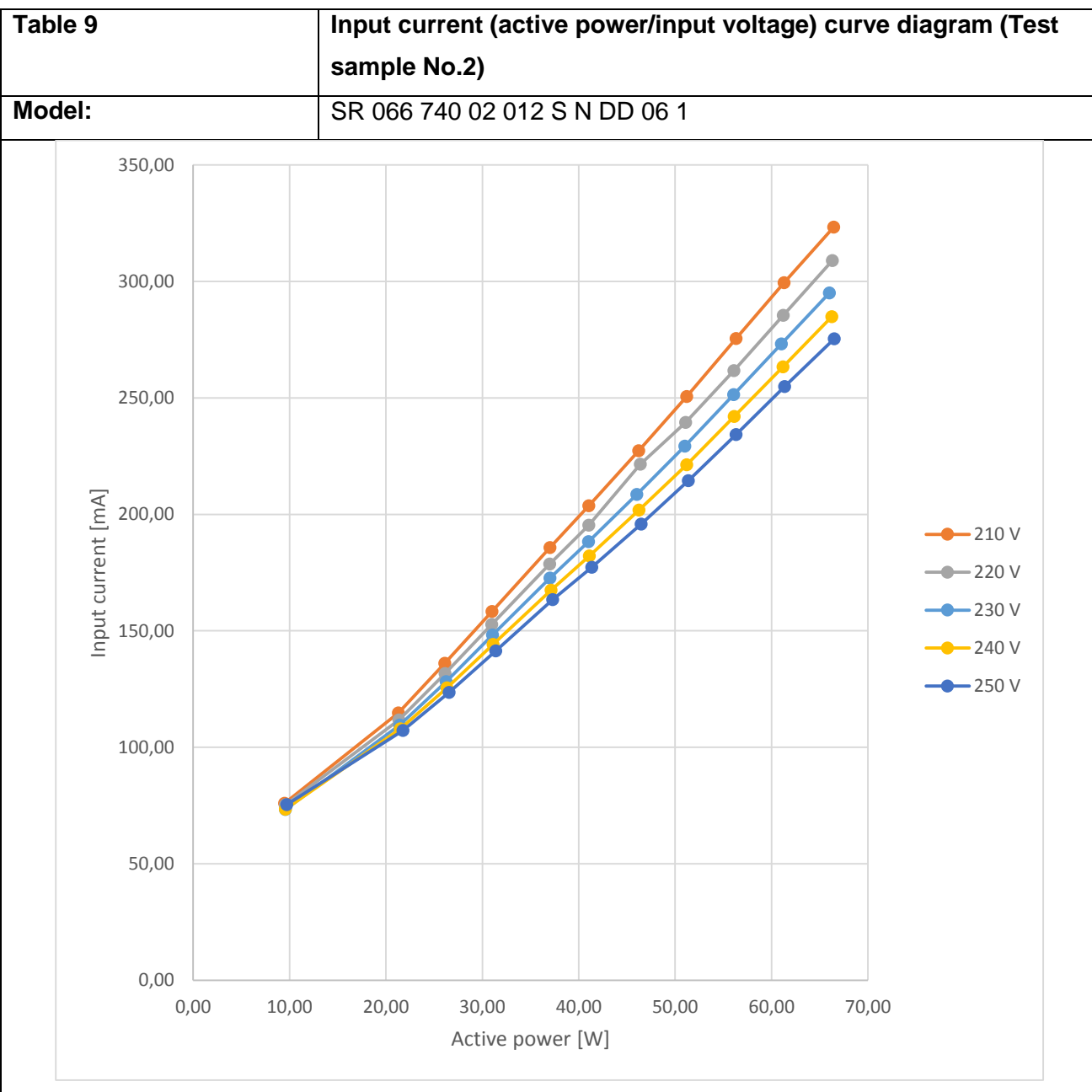




Table 10	Driver output current (active power/input voltage) curve diagram (Test sample No.2)
Model:	SR 066 740 02 012 S N DD 06 1

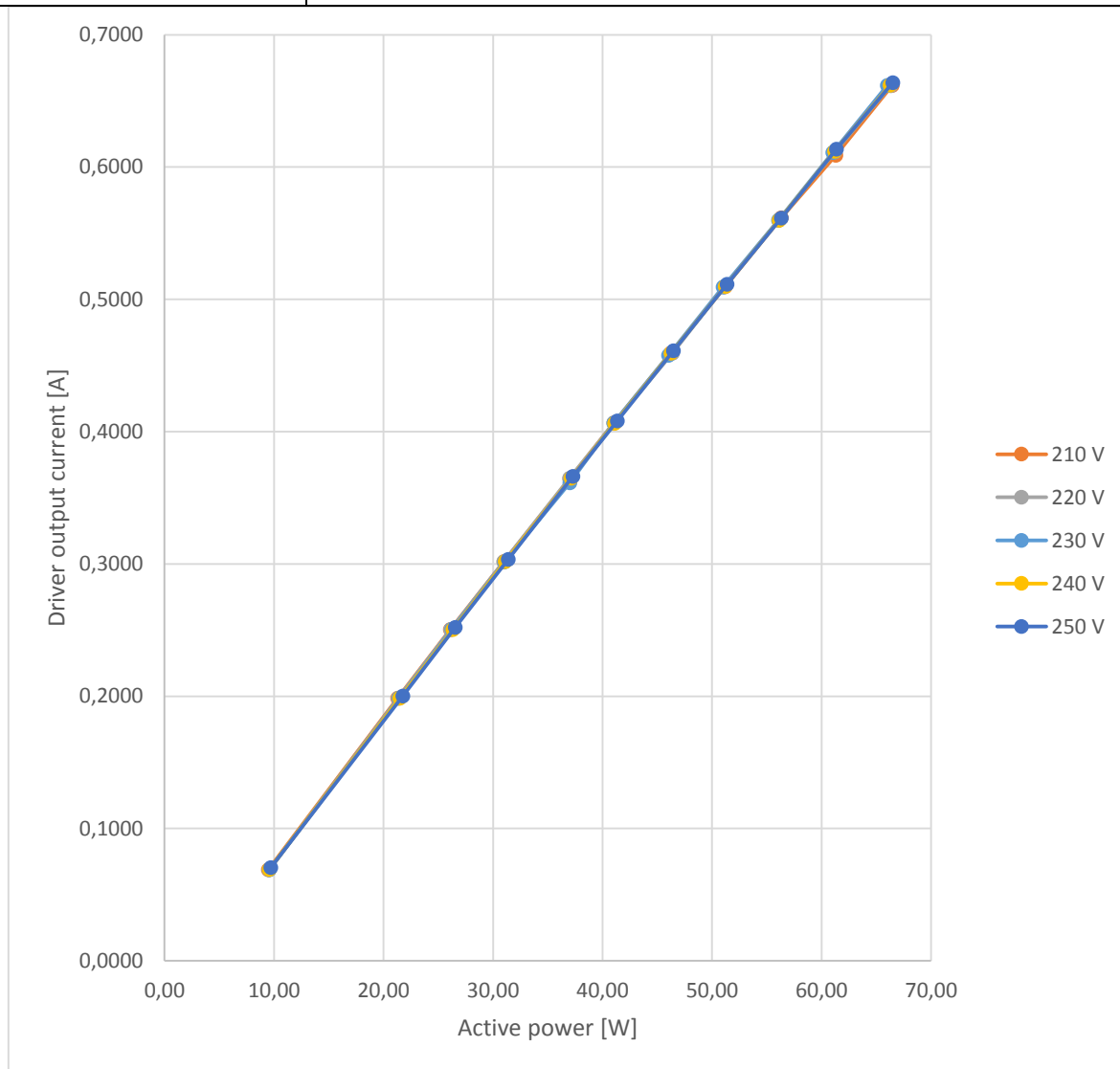




Table 11		Test data table No.2					
Model:		SR 066 740 02 012 S N DD 06 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	66,01	67,83	0,973	295,00	0,6618	100,00%
2	230	61,02	62,80	0,972	273,20	0,6110	92,32%
3	230	56,07	57,80	0,970	251,40	0,5599	84,60%
4	230	51,01	52,75	0,967	229,30	0,5092	76,94%
5	230	46,03	47,94	0,960	208,50	0,4577	69,16%
6	230	41,00	43,30	0,947	188,23	0,4066	61,44%
7	230	37,00	39,69	0,932	172,62	0,3613	54,59%
8	230	31,05	34,08	0,911	148,18	0,3015	45,56%
9	230	26,23	29,51	0,890	128,19	0,2506	37,87%
10	230	21,42	25,20	0,850	109,51	0,1985	29,99%
11	230	9,55	16,88	0,567	73,32	0,0688	10,40%
1	210	66,46	67,86	0,979	323,30	0,6618	100,00%
2	210	61,30	62,70	0,978	299,40	0,6090	92,02%
3	210	56,32	57,86	0,975	275,50	0,5616	84,86%
4	210	51,20	52,61	0,973	250,60	0,5095	76,99%
5	210	46,21	47,73	0,969	227,30	0,4594	69,42%
6	210	41,05	42,75	0,960	203,70	0,4068	61,47%
7	210	37,02	39,02	0,948	185,74	0,3644	55,06%



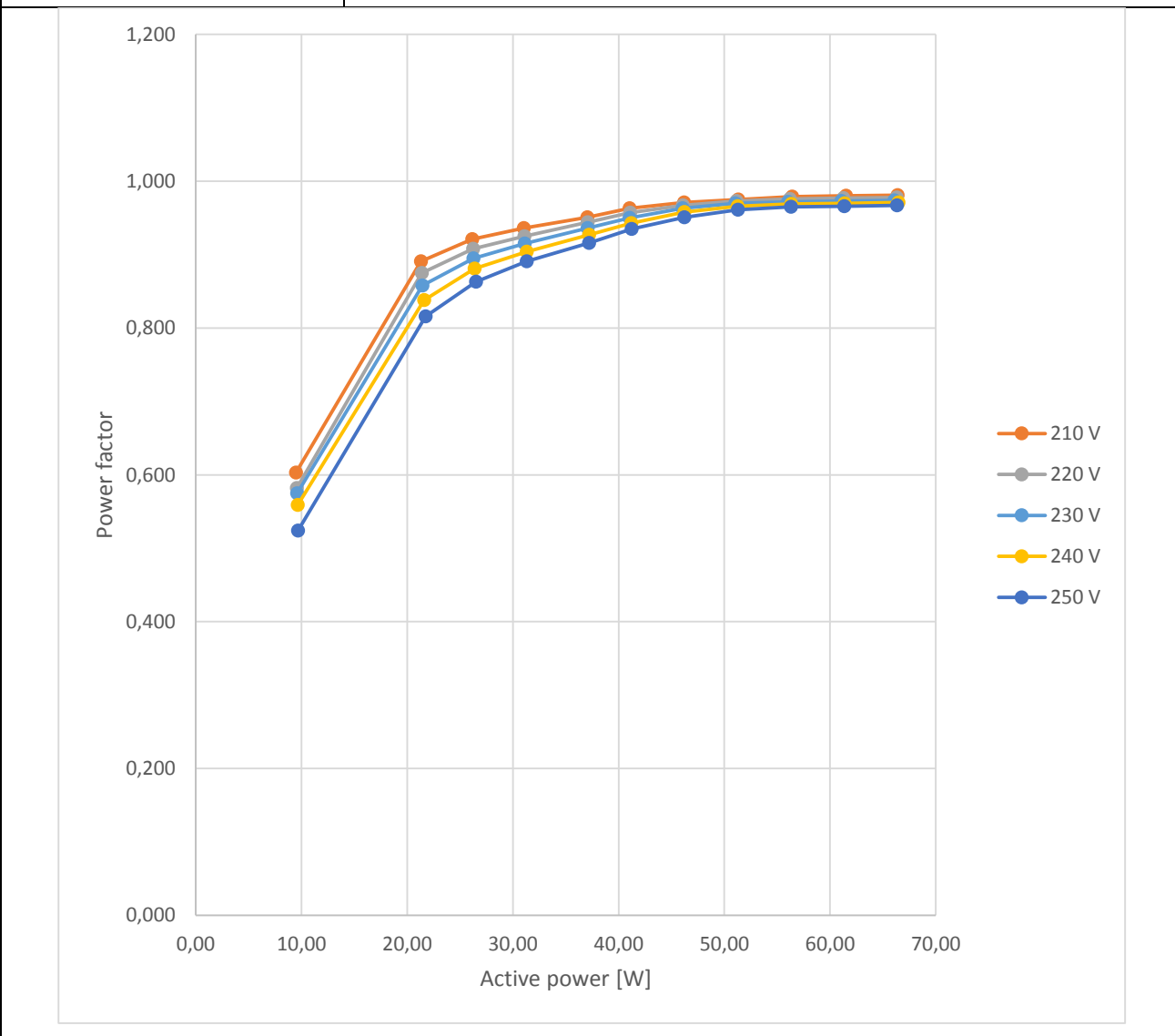
8	210	30,99	33,26	0,932	158,31	0,3017	45,59%
9	210	26,09	28,57	0,915	136,02	0,2505	37,85%
10	210	21,28	24,11	0,883	114,73	0,1986	30,01%
11	210	9,47	15,96	0,594	75,94	0,0689	10,41%
1	220	66,30	67,90	0,976	308,90	0,6614	100,00%
2	220	61,21	62,77	0,976	285,40	0,6114	92,44%
3	220	56,08	57,53	0,974	261,70	0,5598	84,64%
4	220	51,08	52,65	0,970	239,40	0,5093	77,00%
5	220	46,37	47,80	0,965	221,50	0,4592	69,43%
6	220	41,03	42,96	0,954	195,30	0,4066	61,48%
7	220	36,98	39,30	0,941	178,66	0,3647	55,14%
8	220	30,97	33,60	0,922	152,76	0,3016	45,60%
9	220	26,12	28,97	0,903	131,60	0,2503	37,84%
10	220	21,34	24,60	0,868	111,74	0,1985	30,01%
11	220	9,55	16,56	0,577	75,20	0,0689	10,42%
1	240	66,26	68,34	0,970	284,90	0,6620	100,00%
2	240	61,18	63,17	0,968	263,30	0,6118	92,42%
3	240	56,13	58,07	0,960	242,00	0,5598	84,56%
4	240	51,19	53,12	0,957	221,30	0,5097	76,99%
5	240	46,24	48,42	0,955	201,80	0,4594	69,40%
6	240	41,10	43,80	0,940	182,18	0,4062	61,36%
7	240	37,11	40,20	0,923	167,38	0,3648	55,11%

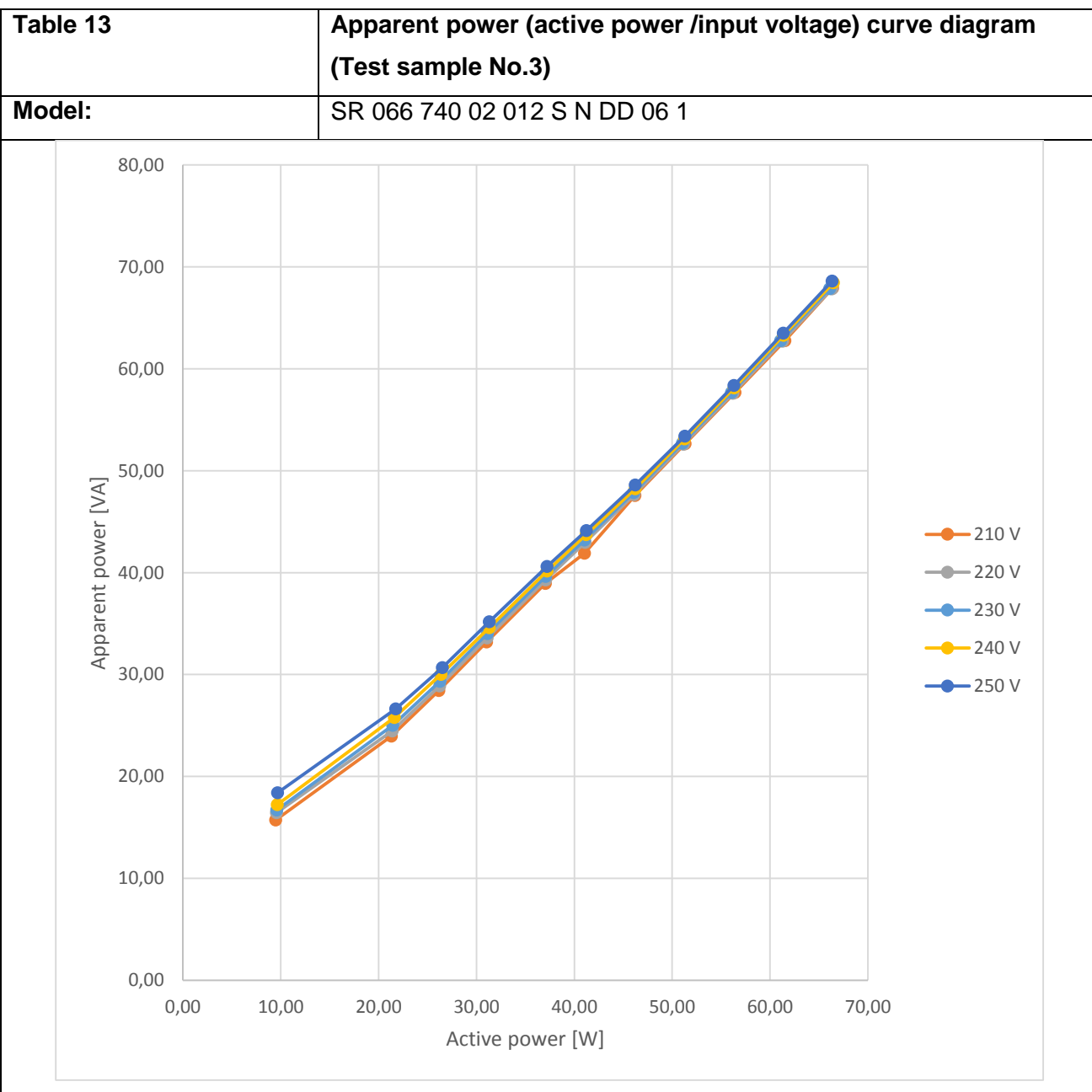


8	240	31,11	34,62	0,899	144,13	0,3019	45,60%
9	240	26,33	30,11	0,875	125,46	0,2505	37,84%
10	240	21,48	25,91	0,830	107,88	0,1985	29,98%
11	240	9,57	17,59	0,545	73,36	0,0691	10,44%
1	250	66,50	68,82	0,966	275,30	0,6638	100,00%
2	250	61,35	63,63	0,964	254,80	0,6135	92,42%
3	250	56,32	58,52	0,963	234,20	0,5614	84,57%
4	250	51,36	53,60	0,959	214,40	0,5113	77,03%
5	250	46,46	48,95	0,949	195,80	0,4611	69,46%
6	250	41,34	44,35	0,932	177,31	0,4080	61,46%
7	250	37,30	40,84	0,914	163,35	0,3662	55,17%
8	250	31,38	35,38	0,887	141,41	0,3034	45,71%
9	250	26,54	30,89	0,860	123,53	0,2521	37,98%
10	250	21,75	26,83	0,811	107,17	0,2001	30,14%
11	250	9,71	18,84	0,517	75,36	0,0704	10,61%



Table 12	Power factor (active power/input voltage) curve diagram (Test No.3)
Model:	SR 066 740 02 012 S N DD 06 1





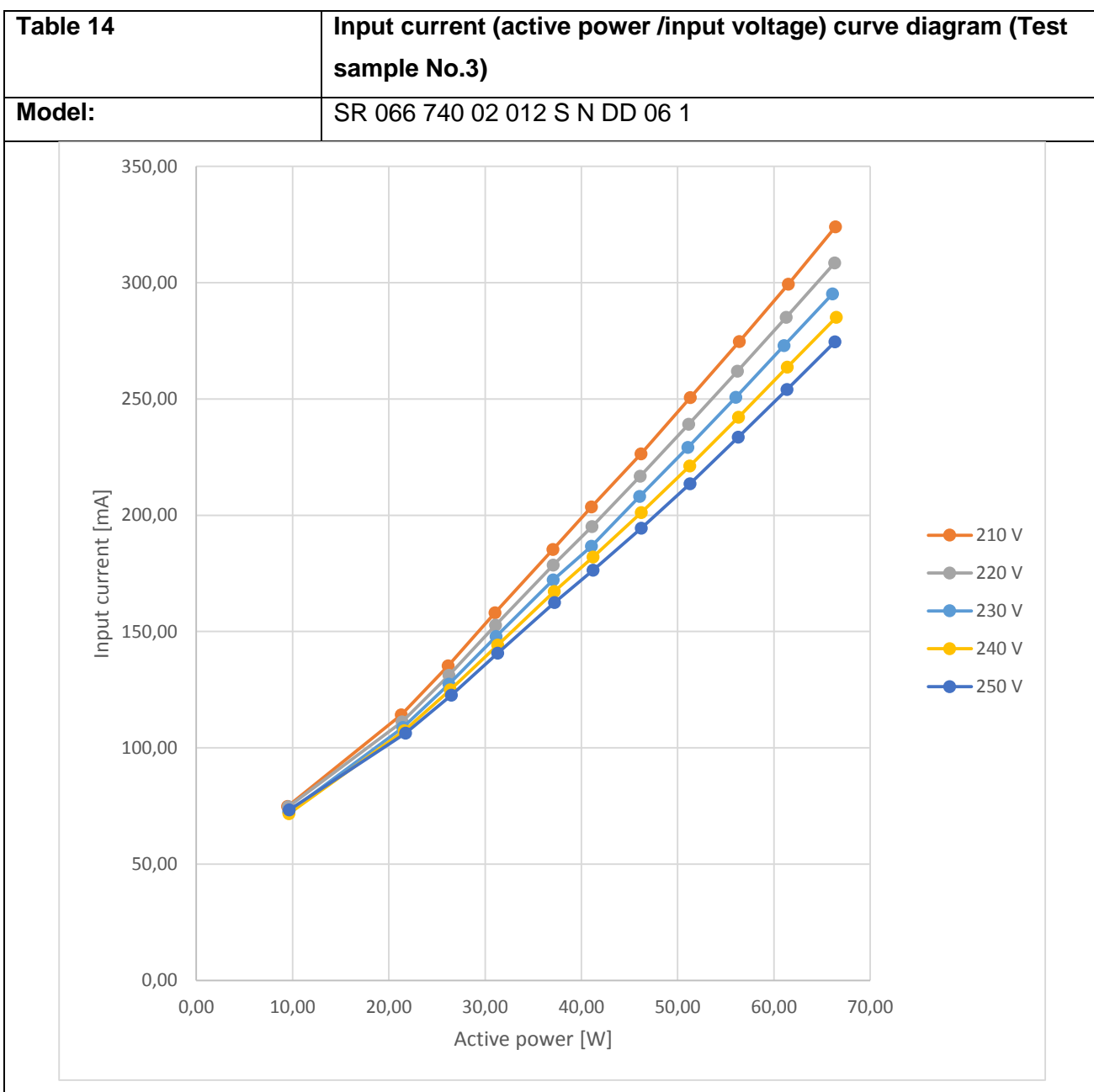




Table 15	Driver output current (active power/input voltage) curve diagram (Test sample No.3)
Model:	SR 066 740 02 012 S N DD 06 1

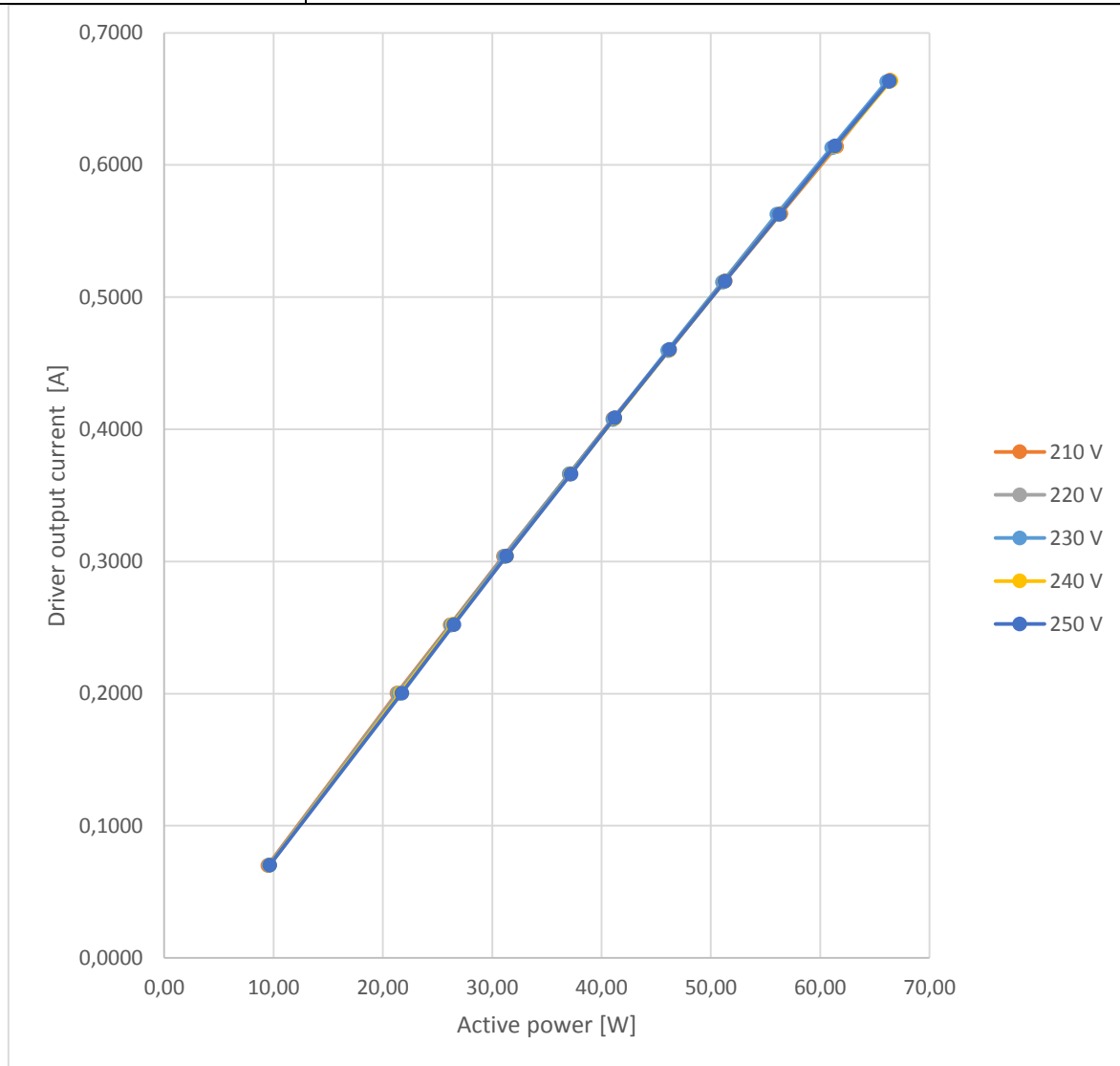




Table 16		Test data table No.3					
Model:		SR 066 740 02 012 S N DD 06 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	66,08	67,85	0,974	295,10	0,6632	100,00%
2	230	61,06	62,74	0,973	272,90	0,6130	92,43%
3	230	56,04	57,68	0,972	250,70	0,5628	84,86%
4	230	51,05	52,70	0,970	229,20	0,5115	77,13%
5	230	46,06	47,86	0,963	208,10	0,4597	69,32%
6	230	41,04	43,19	0,950	186,66	0,4075	61,44%
7	230	37,07	39,63	0,936	172,21	0,3664	55,25%
8	230	31,12	34,01	0,915	147,80	0,3038	45,81%
9	230	26,25	29,31	0,895	127,40	0,2519	37,98%
10	230	21,44	25,00	0,858	108,69	0,2002	30,19%
11	230	9,58	16,70	0,575	72,51	0,0701	10,57%
1	210	66,40	67,90	0,981	324,00	0,6643	100,00%
2	210	61,50	62,76	0,980	299,30	0,6140	92,43%
3	210	56,41	57,66	0,979	274,60	0,5633	84,80%
4	210	51,31	52,64	0,975	250,60	0,5123	77,12%
5	210	46,18	47,56	0,971	226,40	0,4600	69,25%
6	210	41,03	41,90	0,963	203,50	0,4081	61,43%
7	210	37,03	38,94	0,951	185,29	0,3663	55,14%



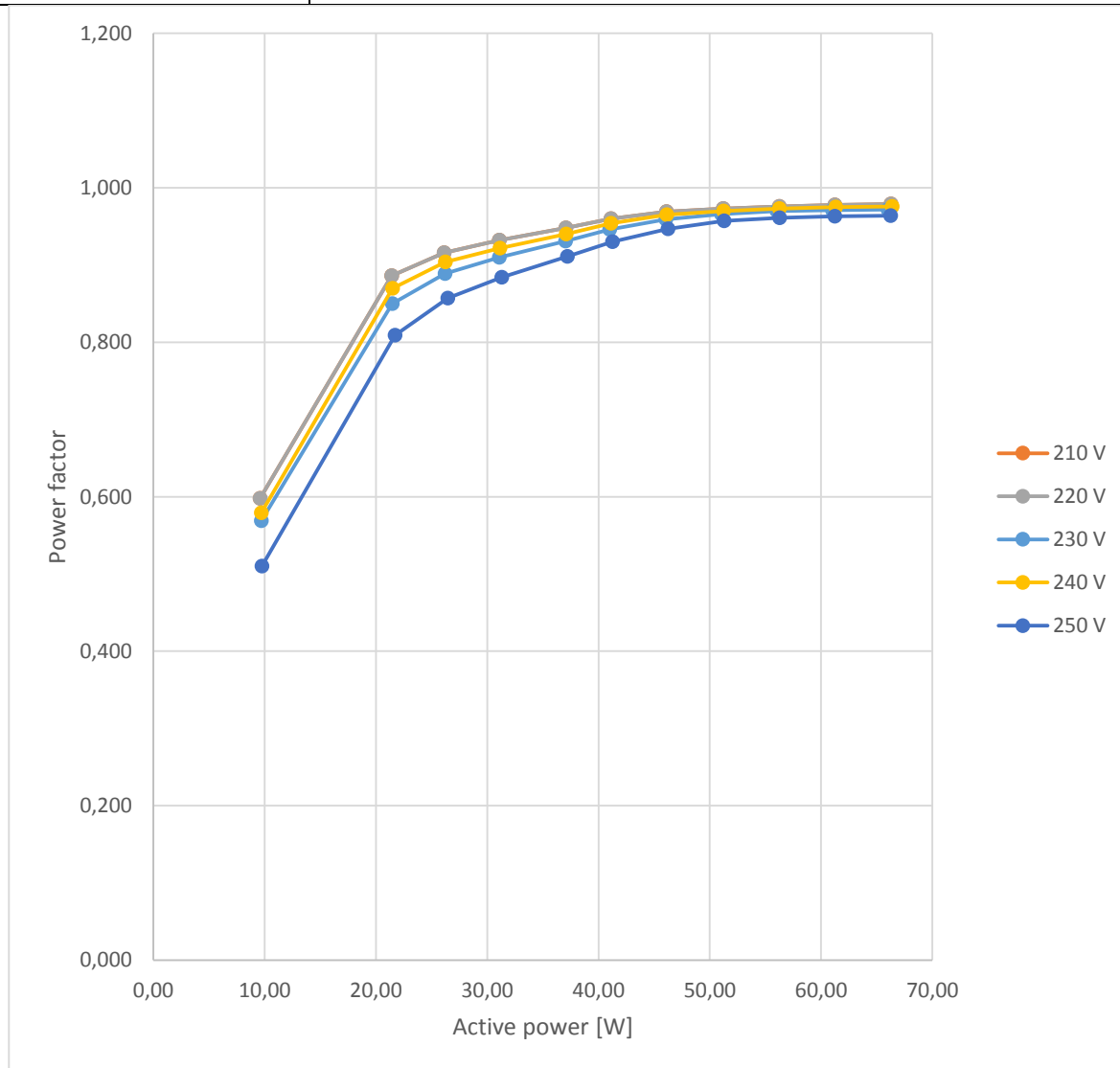
8	210	31,02	33,19	0,936	158,09	0,3039	45,75%
9	210	26,15	28,41	0,921	135,29	0,2521	37,95%
10	210	21,29	23,96	0,891	114,14	0,2003	30,15%
11	210	9,48	15,72	0,603	74,81	0,0700	10,54%
1	220	66,30	67,84	0,978	308,50	0,6632	100,00%
2	220	61,26	62,70	0,977	285,10	0,6136	92,52%
3	220	56,20	57,58	0,976	261,90	0,5626	84,83%
4	220	51,15	52,59	0,973	239,10	0,5116	77,14%
5	220	46,09	47,64	0,967	216,70	0,4596	69,30%
6	220	41,09	42,96	0,957	195,11	0,4080	61,52%
7	220	37,06	39,28	0,944	178,55	0,3661	55,20%
8	220	31,07	33,59	0,925	152,70	0,3039	45,82%
9	220	26,23	28,88	0,908	131,18	0,2519	37,98%
10	220	21,38	24,46	0,875	111,15	0,2003	30,20%
11	220	9,56	16,43	0,582	74,65	0,0701	10,57%
1	240	66,47	68,45	0,971	285,10	0,6639	100,00%
2	240	61,38	63,28	0,970	263,70	0,6140	92,48%
3	240	56,33	58,11	0,969	242,10	0,5630	84,80%
4	240	51,26	53,11	0,966	221,20	0,5120	77,12%
5	240	46,21	48,21	0,958	201,10	0,4601	69,30%
6	240	41,21	43,72	0,943	182,04	0,4084	61,52%
7	240	37,19	40,14	0,927	167,20	0,3664	55,19%

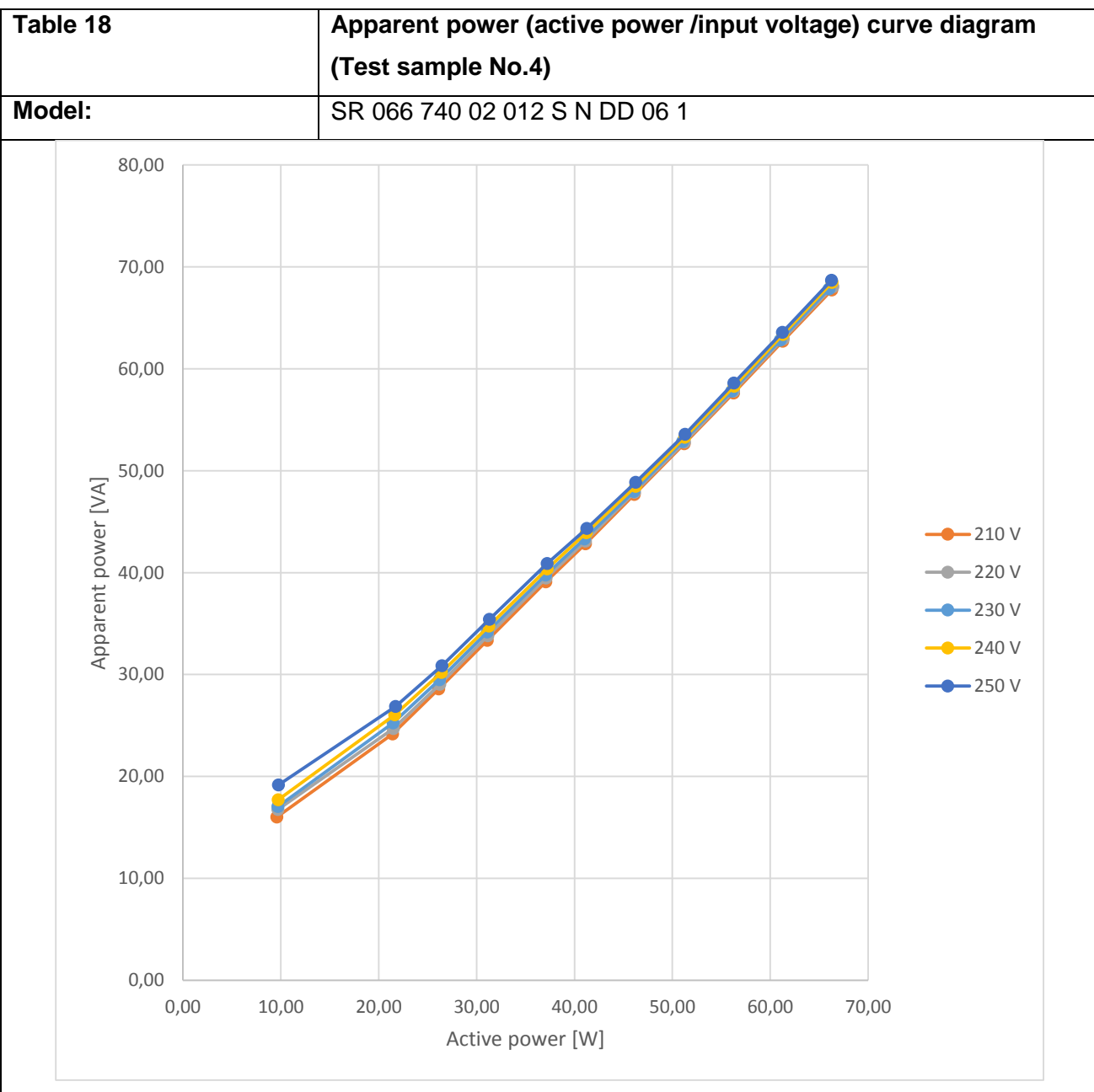


8	240	31,30	34,60	0,904	144,14	0,3041	45,81%
9	240	26,37	30,00	0,881	124,90	0,2524	38,02%
10	240	21,59	25,77	0,838	107,29	0,2006	30,22%
11	240	9,63	17,22	0,559	71,71	0,0703	10,59%
1	250	66,33	68,60	0,967	274,50	0,6635	100,00%
2	250	61,35	63,50	0,966	254,00	0,6144	92,60%
3	250	56,29	58,36	0,965	233,50	0,5627	84,81%
4	250	51,29	53,38	0,961	213,50	0,5120	77,17%
5	250	46,21	48,60	0,951	194,40	0,4605	69,40%
6	250	41,22	44,13	0,935	176,35	0,4087	61,60%
7	250	37,20	40,60	0,916	162,43	0,3663	55,21%
8	250	31,30	35,17	0,891	140,70	0,3041	45,83%
9	250	26,50	30,68	0,863	122,62	0,2523	38,03%
10	250	21,73	26,61	0,816	106,32	0,2004	30,20%
11	250	9,65	18,39	0,524	73,27	0,0703	10,60%



Table 17	Power factor (active power/input voltage) curve diagram (Test No.4)
Model:	SR 066 740 02 012 S N DD 06 1





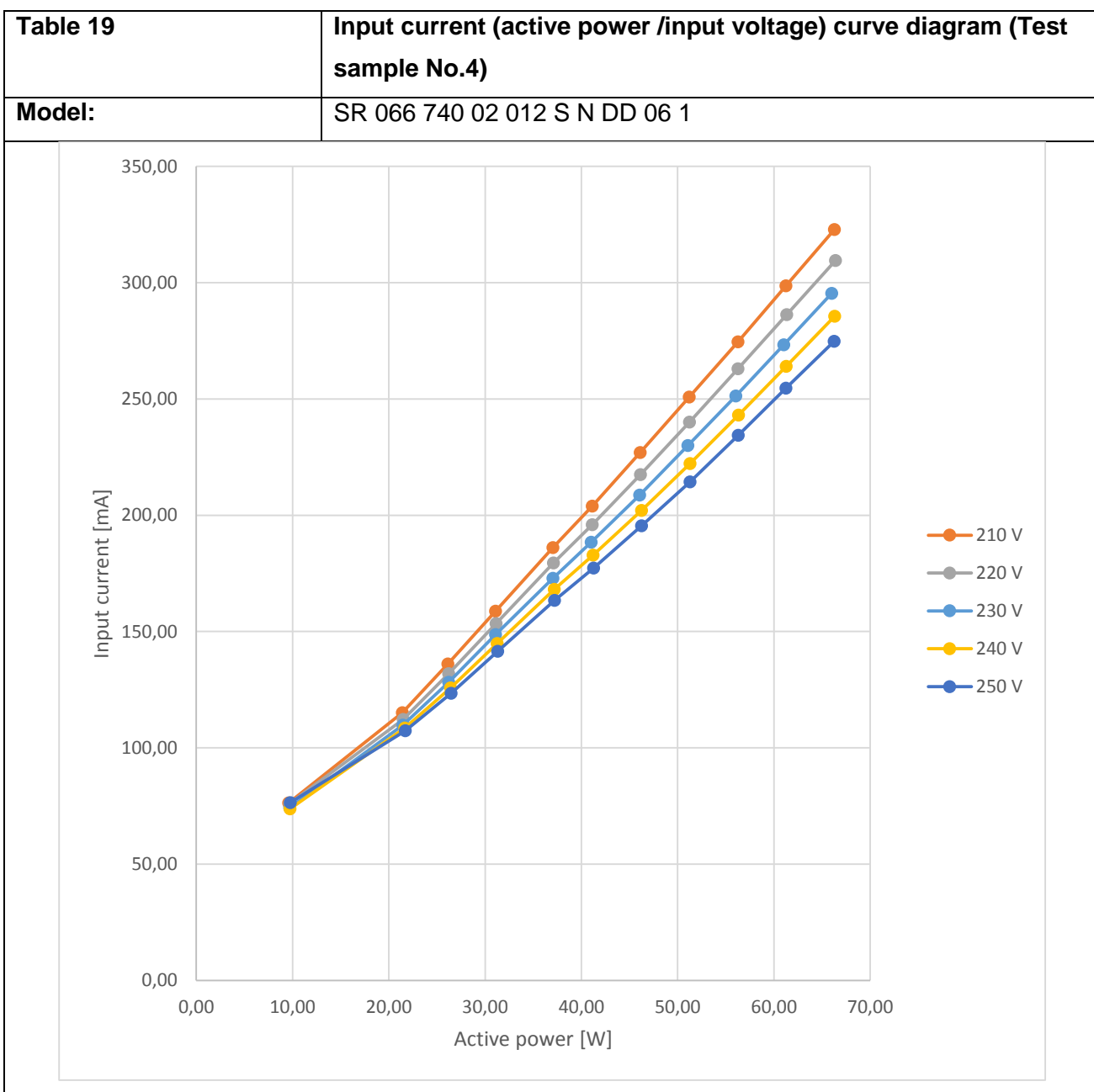




Table 20	Driver output current (active power/input voltage) curve diagram (Test sample No.4)
Model:	SR 066 740 02 012 S N DD 06 1

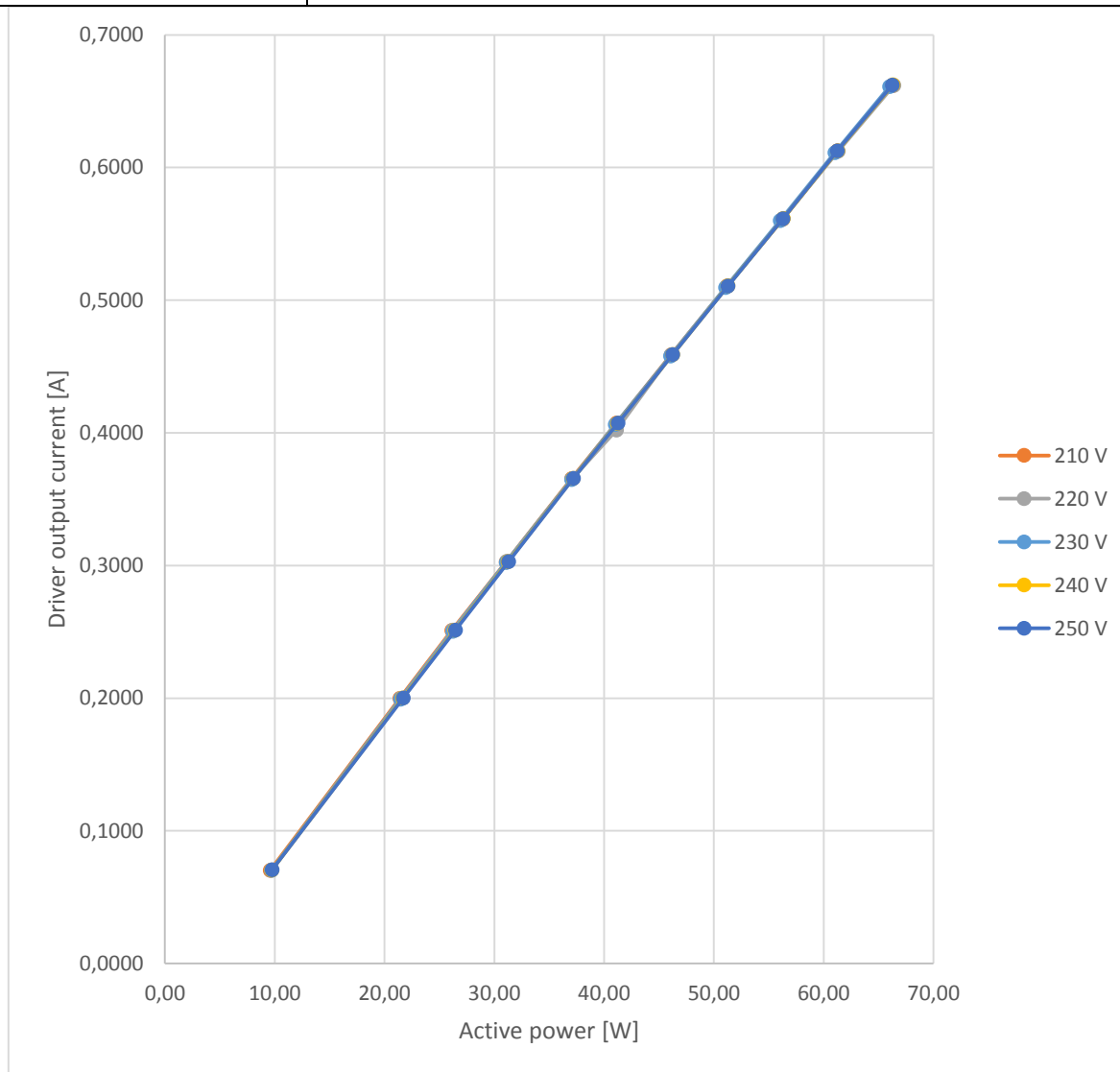




Table 21		Test data table No.4					
Model:		SR 066 740 02 012 S N DD 06 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	66,00	67,84	0,972	295,40	0,6610	100,00%
2	230	61,01	62,81	0,971	273,30	0,6113	92,48%
3	230	56,04	57,80	0,970	251,30	0,5600	84,72%
4	230	51,05	52,84	0,966	229,90	0,5096	77,10%
5	230	46,06	47,95	0,959	208,70	0,4580	69,29%
6	230	41,00	43,31	0,946	188,34	0,4062	61,45%
7	230	37,03	39,74	0,931	172,90	0,3648	55,19%
8	230	31,09	34,17	0,910	148,62	0,3023	45,73%
9	230	26,21	29,49	0,889	128,19	0,2504	37,88%
10	230	21,46	25,25	0,850	109,76	0,1993	30,15%
11	230	9,69	17,04	0,569	74,24	0,0702	10,62%
1	210	66,29	67,74	0,979	322,80	0,6617	100,00%
2	210	61,25	62,70	0,978	298,60	0,6126	92,58%
3	210	56,26	57,63	0,976	274,50	0,5610	84,78%
4	210	51,21	52,64	0,973	250,80	0,5106	77,16%
5	210	46,11	47,66	0,969	226,90	0,4589	69,35%
6	210	41,11	42,83	0,960	203,90	0,4073	61,55%
7	210	37,05	39,09	0,948	186,12	0,3655	55,24%



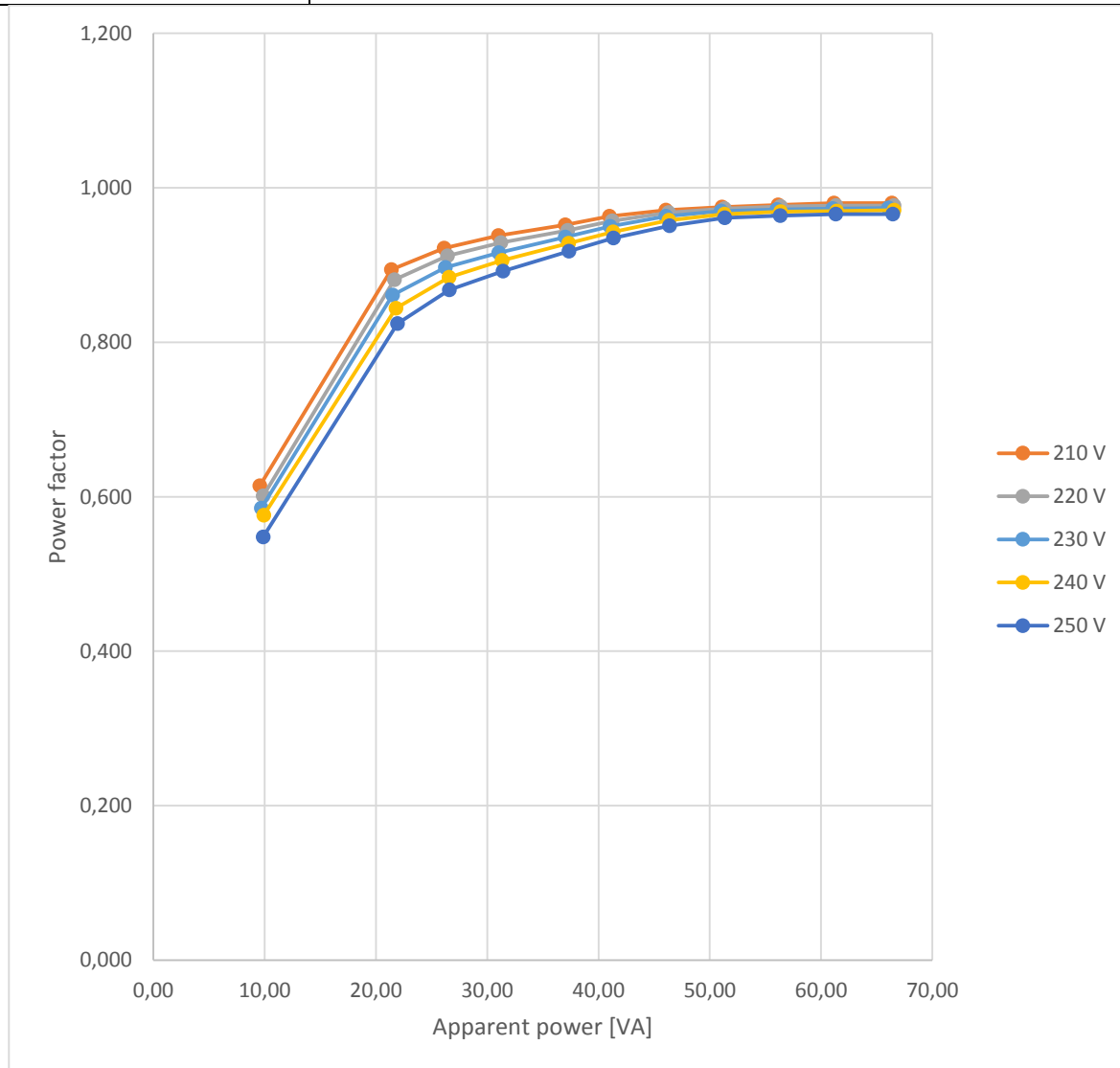
8	210	31,07	33,35	0,932	158,71	0,3028	45,76%
9	210	26,12	28,59	0,916	136,02	0,2510	37,93%
10	210	21,40	24,17	0,886	115,03	0,1999	30,21%
11	210	9,58	16,02	0,598	76,27	0,0703	10,62%
1	220	66,39	68,05	0,976	309,50	0,6619	100,00%
2	220	61,32	62,94	0,975	286,20	0,6123	92,51%
3	220	56,25	57,80	0,973	263,00	0,5612	84,79%
4	220	51,22	52,79	0,970	240,00	0,5104	77,11%
5	220	46,14	47,88	0,965	217,50	0,4589	69,33%
6	220	41,11	43,09	0,954	195,90	0,4020	60,73%
7	220	37,10	39,45	0,940	179,45	0,3654	55,20%
8	220	31,14	33,79	0,922	153,47	0,3031	45,79%
9	220	26,22	29,02	0,904	131,87	0,2512	37,95%
10	220	21,48	24,69	0,870	112,18	0,2000	30,22%
11	220	9,70	16,75	0,579	76,05	0,0704	10,64%
1	240	66,30	68,48	0,969	285,50	0,6624	100,00%
2	240	61,28	63,36	0,967	264,00	0,6127	92,50%
3	240	56,31	58,28	0,966	243,00	0,5616	84,78%
4	240	51,27	53,28	0,963	222,20	0,5110	77,14%
5	240	46,25	48,45	0,954	202,00	0,4591	69,31%
6	240	41,20	43,90	0,939	182,80	0,4072	61,47%
7	240	37,19	40,35	0,922	168,14	0,3658	55,22%

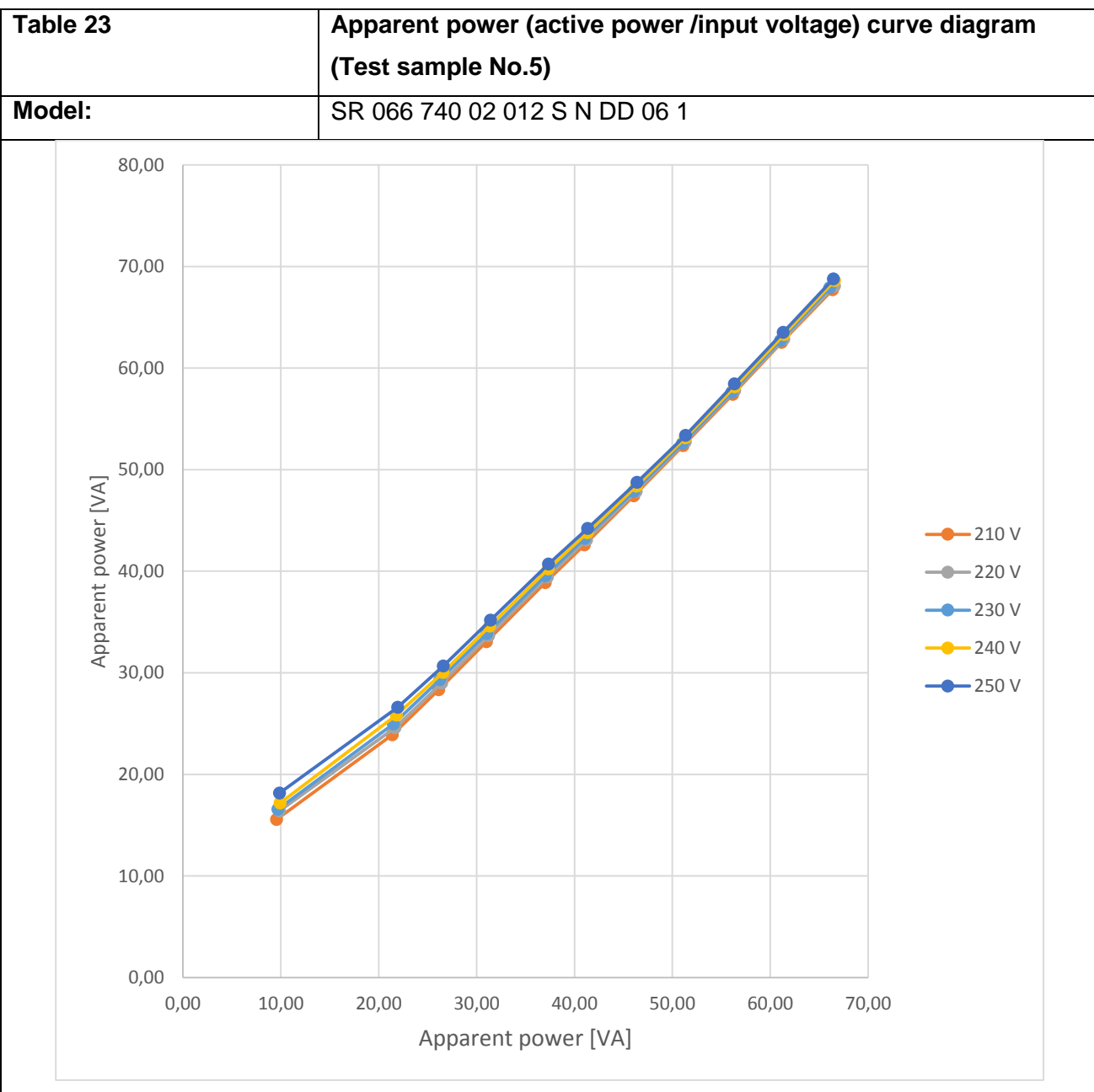


8	240	31,25	34,75	0,898	144,89	0,3030	45,74%
9	240	26,39	30,19	0,874	125,75	0,2512	37,92%
10	240	21,64	26,05	0,831	108,50	0,2001	30,21%
11	240	9,73	17,70	0,550	73,73	0,0705	10,64%
1	250	66,24	68,69	0,964	274,80	0,6621	100,00%
2	250	61,24	63,58	0,963	254,60	0,6126	92,52%
3	250	56,28	58,59	0,961	234,30	0,5614	84,79%
4	250	51,28	53,58	0,957	214,30	0,5106	77,12%
5	250	46,24	48,85	0,947	195,40	0,4591	69,34%
6	250	41,25	44,32	0,930	177,30	0,4074	61,53%
7	250	37,20	40,88	0,911	163,32	0,3657	55,23%
8	250	31,31	35,40	0,884	141,53	0,3029	45,75%
9	250	26,46	30,87	0,857	123,42	0,2512	37,94%
10	250	21,71	26,87	0,809	107,38	0,2001	30,22%
11	250	9,76	19,17	0,510	76,45	0,0706	10,66%



Table 22	Power factor (active power/input voltage) curve diagram (Test No.5)
Model:	SR 066 740 02 012 S N DD 06 1





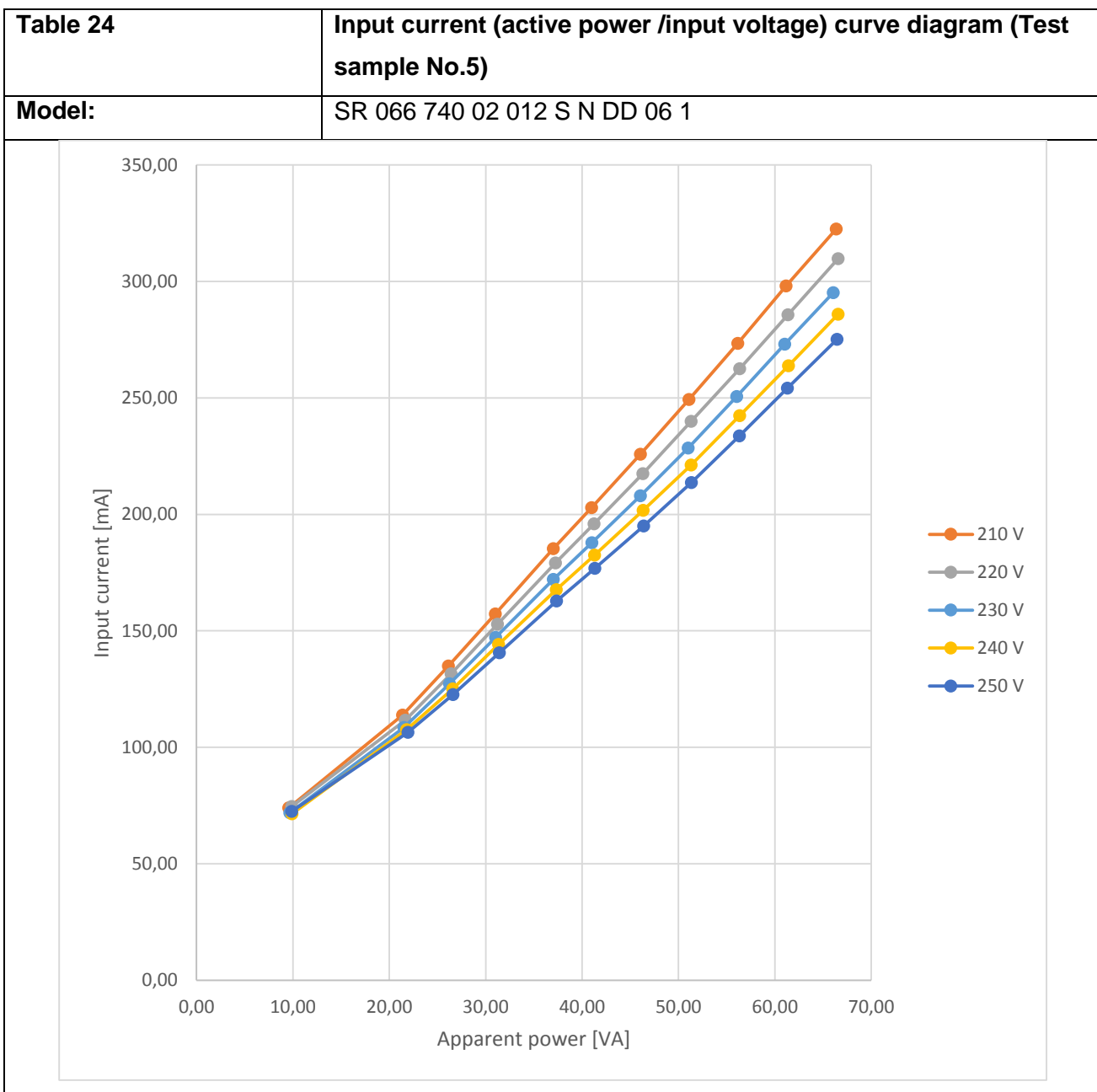




Table 25	Driver output current (active power/input voltage) curve diagram (Test sample No.5)
Model:	SR 066 740 02 012 S N DD 06 1

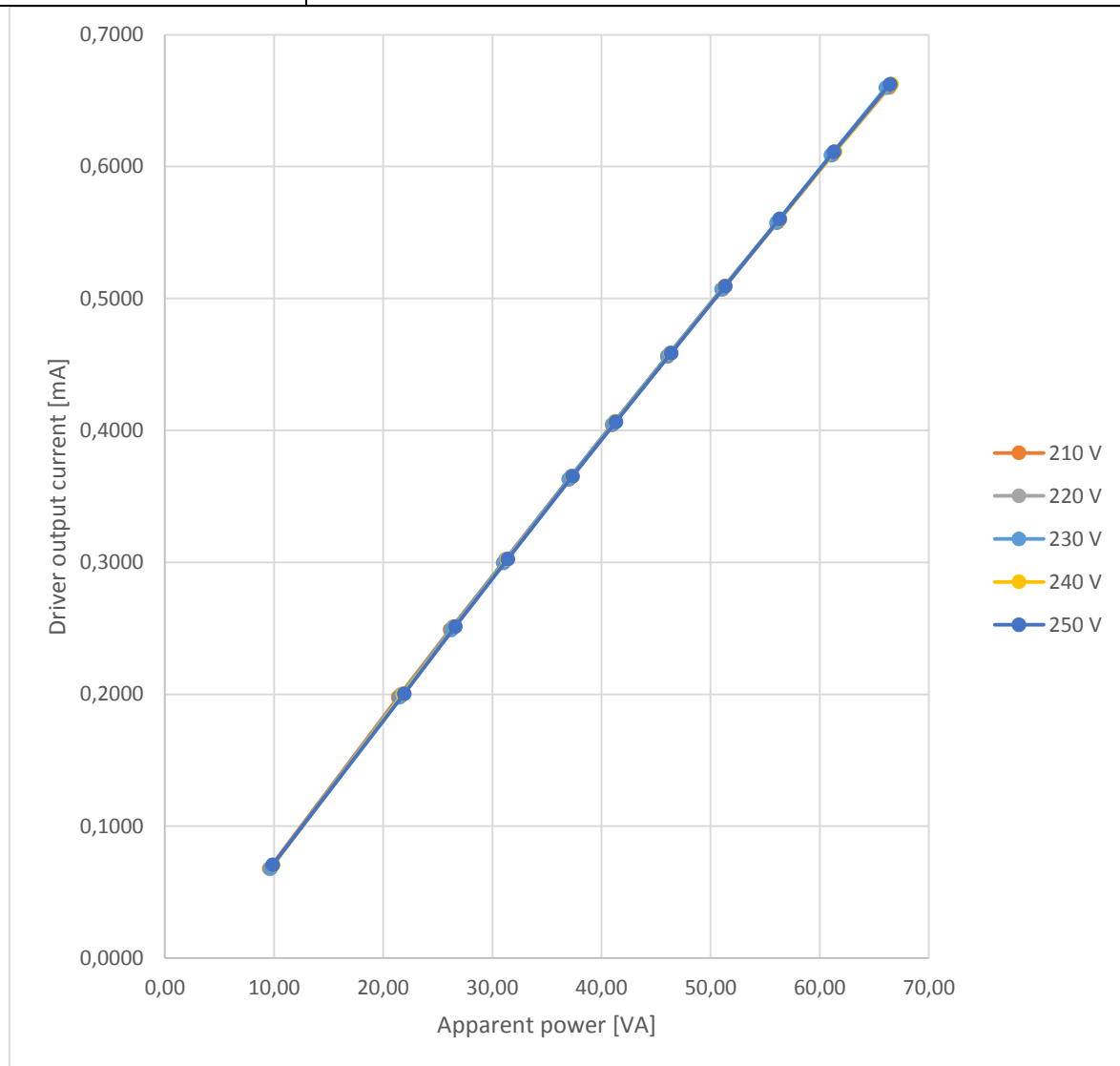




Table 26		Test data table No.5					
Model:		SR 066 740 02 012 S N DD 06 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	66,05	67,91	0,974	295,10	0,6599	100,00%
2	230	61,03	62,73	0,973	273,00	0,6087	92,24%
3	230	56,04	57,61	0,972	250,60	0,5576	84,50%
4	230	51,00	52,58	0,970	228,50	0,5070	76,83%
5	230	46,04	47,84	0,963	207,90	0,4565	69,18%
6	230	41,02	43,22	0,950	187,77	0,4046	61,31%
7	230	37,00	39,54	0,936	172,01	0,3630	55,01%
8	230	31,03	33,85	0,916	147,17	0,2997	45,42%
9	230	26,23	29,30	0,897	127,20	0,2488	37,70%
10	230	21,50	24,96	0,861	108,50	0,1979	29,99%
11	230	9,68	16,57	0,585	71,90	0,0680	10,30%
1	210	66,36	67,70	0,980	322,50	0,6601	100,00%
2	210	61,16	62,53	0,980	298,00	0,6090	92,26%
3	210	56,15	57,40	0,978	273,40	0,5580	84,53%
4	210	51,08	52,36	0,975	249,30	0,5071	76,82%
5	210	46,04	47,42	0,971	225,80	0,4561	69,10%
6	210	40,99	42,58	0,963	202,90	0,4042	61,23%
7	210	37,00	38,88	0,952	185,29	0,3631	55,01%



8	210	30,99	33,05	0,938	157,29	0,2997	45,40%
9	210	26,12	28,33	0,922	134,86	0,2489	37,71%
10	210	21,37	23,90	0,894	113,80	0,1977	29,95%
11	210	9,55	15,56	0,614	74,01	0,0680	10,30%
1	220	66,56	68,08	0,977	309,80	0,6624	100,00%
2	220	61,36	62,84	0,977	285,70	0,6113	92,29%
3	220	56,35	57,77	0,976	262,50	0,5606	84,63%
4	220	51,31	52,74	0,973	239,90	0,5095	76,92%
5	220	46,30	47,84	0,968	217,40	0,4588	69,26%
6	220	41,23	43,07	0,957	195,87	0,4069	61,43%
7	220	37,24	39,44	0,945	179,15	0,3654	55,16%
8	220	31,22	33,65	0,929	152,88	0,3026	45,68%
9	220	26,41	28,98	0,912	131,53	0,2512	37,92%
10	220	21,65	24,59	0,881	111,65	0,2002	30,22%
11	220	9,85	16,40	0,601	74,50	0,0705	10,64%
1	240	66,56	68,61	0,971	285,90	0,6626	100,00%
2	240	61,41	63,30	0,970	263,80	0,6115	92,29%
3	240	56,35	58,15	0,969	242,30	0,5601	84,53%
4	240	51,30	53,14	0,966	221,20	0,5095	76,89%
5	240	46,32	48,37	0,958	201,70	0,4584	69,18%
6	240	41,30	43,79	0,943	182,45	0,4067	61,38%
7	240	37,31	40,23	0,928	167,67	0,3651	55,10%



8	240	31,32	34,60	0,906	144,10	0,3023	45,62%
9	240	26,57	30,03	0,884	124,99	0,2513	37,93%
10	240	21,80	25,82	0,844	107,59	0,2002	30,21%
11	240	9,90	17,17	0,576	71,45	0,0705	10,64%
1	250	66,45	68,78	0,966	275,10	0,6623	100,00%
2	250	61,31	63,52	0,966	254,20	0,6112	92,28%
3	250	56,33	58,44	0,964	233,70	0,5602	84,58%
4	250	51,33	53,38	0,961	213,60	0,5092	76,88%
5	250	46,38	48,76	0,951	195,01	0,4586	69,24%
6	250	41,33	44,22	0,935	176,80	0,4064	61,36%
7	250	37,35	40,70	0,918	162,79	0,3652	55,14%
8	250	31,40	35,17	0,892	140,55	0,3024	45,66%
9	250	26,60	30,67	0,868	122,61	0,2512	37,93%
10	250	21,92	26,61	0,824	106,40	0,2003	30,24%
11	250	9,86	18,15	0,548	72,50	0,0706	10,66%