

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*

Model name: *Saturn 72*

Item No: *AZ6663*

Serial No.: *AZ6663*

Made by: *A. Nawrot*

Eulumat Fields

Dimensions of luminaire

Company: *Azzardo*

Report number: *AZ6663*

LuminaireName: *Saturn 72*

LuminaireNumber: *AZ6663*

FileName: *AZ6663.ldt*

Date: *2025-07-18*

Dimensions of luminaire

Length: *700 mm*

Width: *0 mm*

Height: *135 mm*

Dimensions of luminous area

Length: *690 mm*

Width: *0 mm*

C0-plane *0 mm*

C90-plane *0 mm*

C180-plane *0 mm*

C270-plane *0 mm*

Lamps:

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03

Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

Number of lamps: -1
Type of lamps: LED
Total luminous flux: 276,60 lm
Color temperatur: 0 K
Color rendering index: nan
Wattage including ballast: 29,46 W

Utilization factors:

k = 0.60	0,232
k = 0.80	0,308
k = 1.00	0,377
k = 1.25	0,448
k = 1.50	0,504
k = 2.00	0,592
k = 2.50	0,646
k = 3.00	0,688
k = 4.00	0,748
k = 5.00	0,786

Electrical parameters

U = 229,652 V
 I = 0,134 A
 P = 29,463 W
Power factor = 0,957

Power apparent = 30,803 VA
Power Reactive = -8,979 var
Frequency Voltage = 50,002 Hz
THD = 9,507 %

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

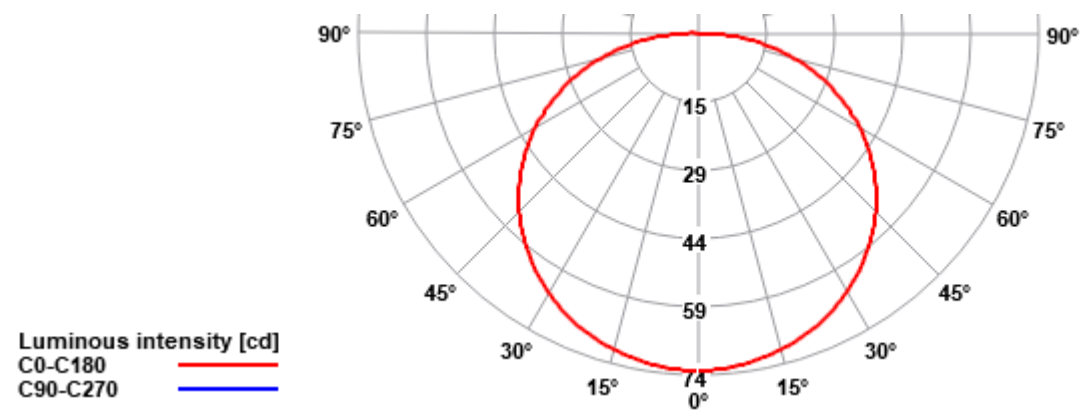
Kapitał 200.000PLN

Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	276,60 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	72,93 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	9,39 lm/W

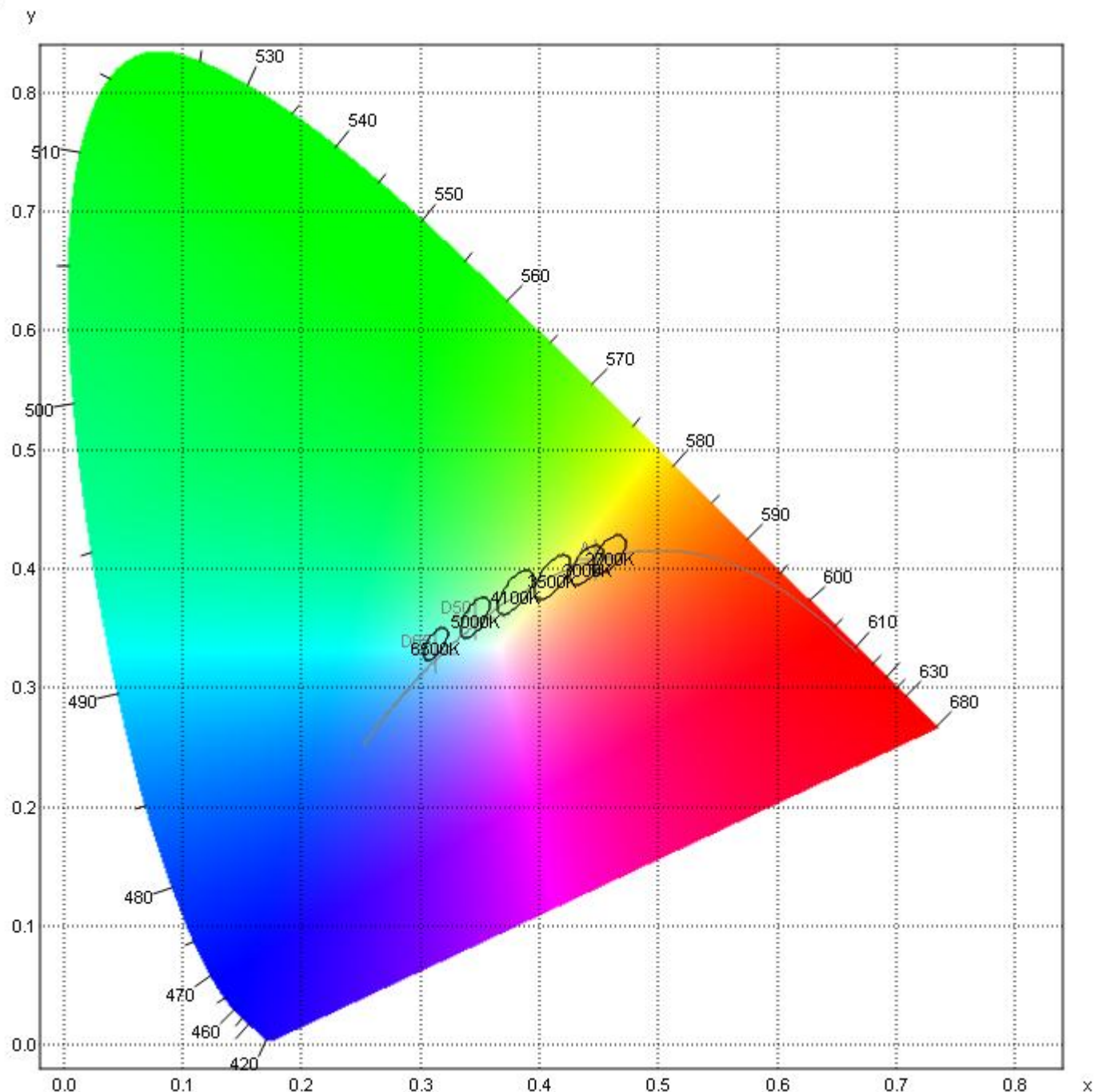
Light intensity distribution diagram



CIE 1931 diagram

x	nan
y	nan
Angular Colour Uniformity	0,0000

GL Optic R&D Center Sp. z o.o.
ul. Poznańska 70
PL-62-040 Puszczykowo; Poland
Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.
PLN: IBAN 78 1750 0012 0000 0000 2709 9432
EUR: IBAN 06 1750 0012 0000 0000 2709 9467
SWIFT BIC: RCBWPLPWNIP: 783-171-97-20
REGON 360317241
KRS: 0000537079
Kapitał 200.000PLN



GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

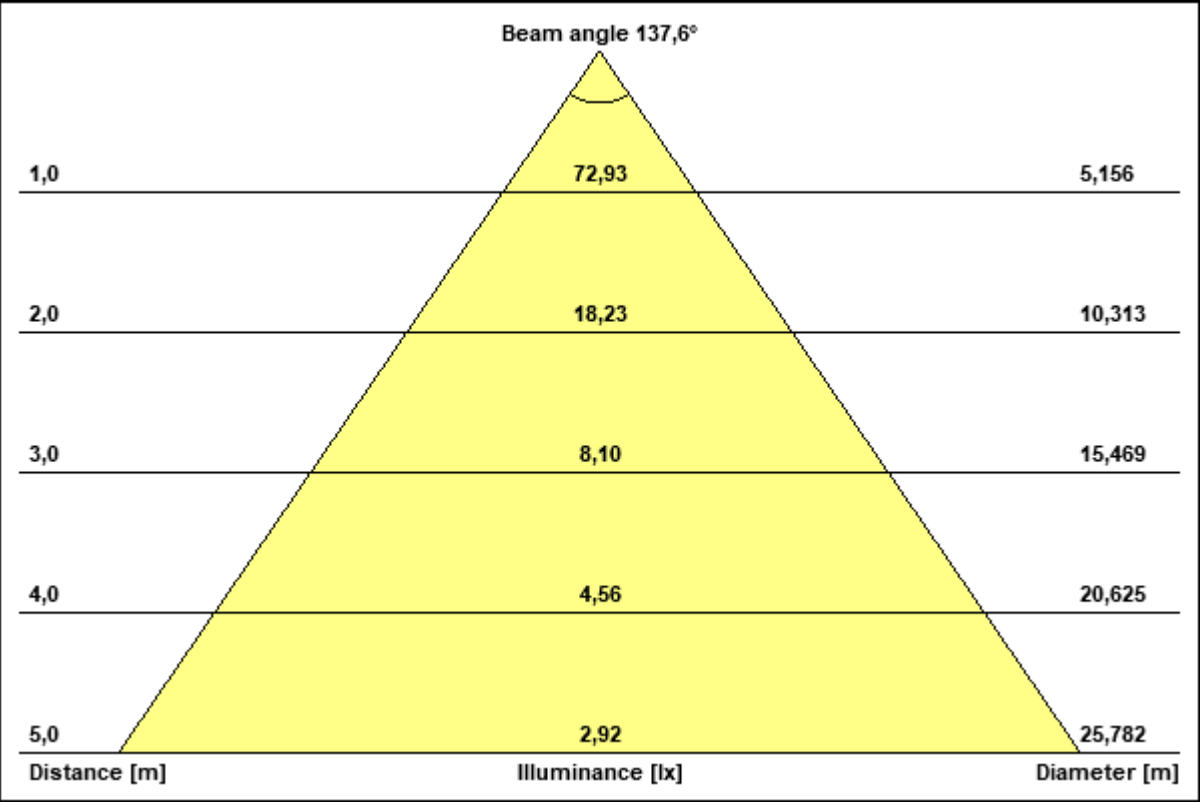
SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

Beam cone



Stabilization

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

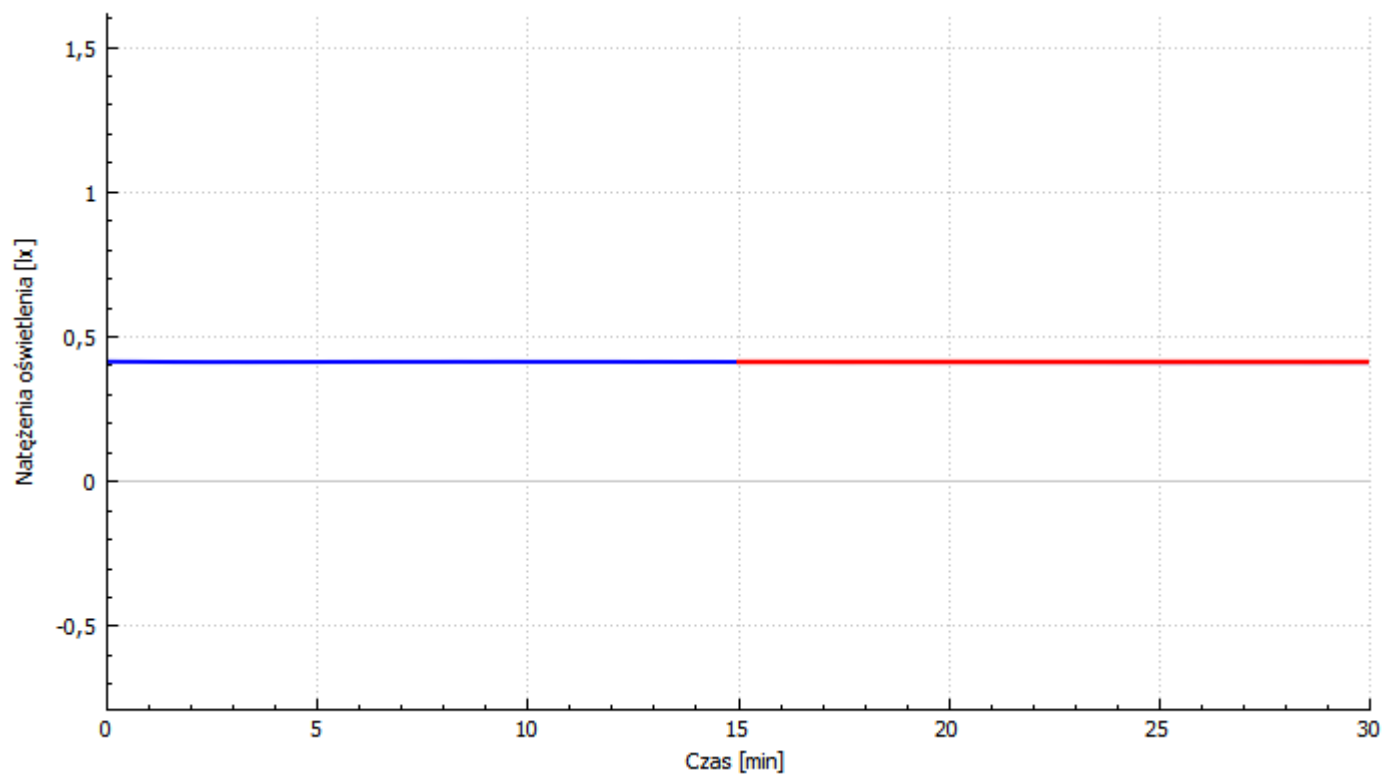
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



3D Chart

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

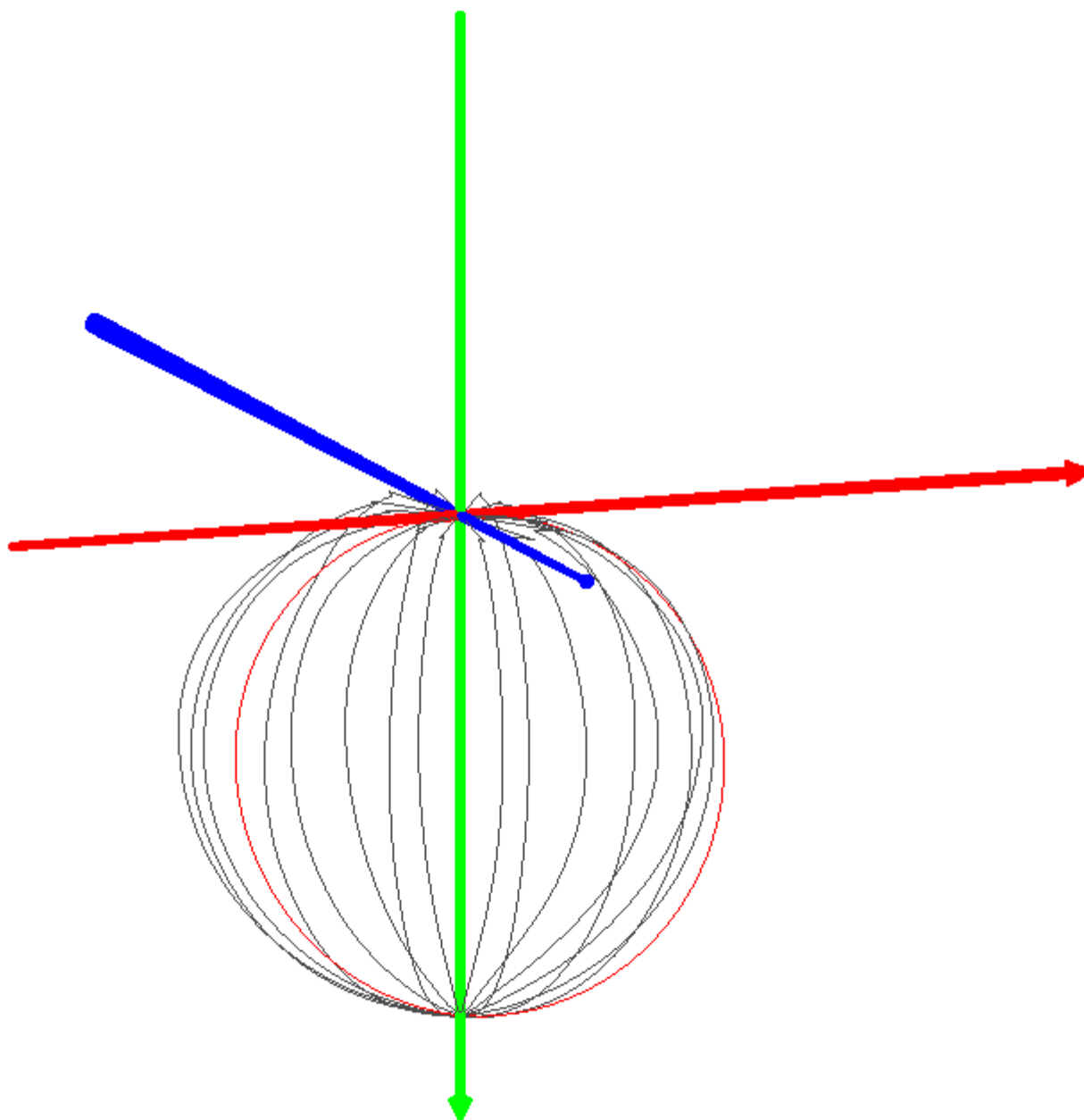
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPW NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



Legend

— - C0-C180

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

- C90-C270
- G0-G180

Extended
electrical
report

U(%f)

I(%f)

P(%f)

0	0,00192	0,0477	-1,4e-06
1	100,000	100,000	100,000
2	0,00455	0,0717	-6,28e-06
3	0,00396	8,351	2,64e-05
4	0,00179	0	1,49e-06
5	0,00693	1,550	6,05e-05
6	0,00105	0,0634	-4,82e-07
7	0,00332	1,497	-4,62e-05
8	0	0,0702	0
9	0,00187	2,416	-3,04e-05
10	0,00104	0,057	0
11	0,00572	2,029	2,86e-05
12	0,00102	0,0403	-4,14e-07
13	0,00503	1,875	1,8e-05
14	0	0,0756	0
15	0,00234	0,910	6,29e-06
16	0,000875	0,051	0
17	0	0,848	0
18	0	0	0
19	0,00145	0,861	1,37e-05
20	0,00093	0	0

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

21	0,00124	0,387	5,71e-06
22	0	0	3,4e-07
23	0,00304	0,350	3,11e-06
24	0	0,0679	-1,21e-07
25	0	0,170	0
26	0	0,0415	-3,17e-07
27	0,00104	0,203	-9,5e-07
28	0,0011	0,0487	-8,46e-08
29	0,00123	0,273	-1,69e-06
30	0	0,0588	-1,16e-07
31	0,00252	0,243	3,05e-07
32	0,00109	0,0749	3,02e-07
33	0,00153	0,310	-7,92e-07
34	0,00115	0,0522	0
35	0,00218	0,332	7e-06
36	0,00172	0	2,87e-07
37	0,00138	0,198	1,16e-06
38	0,00123	0,0325	-1,12e-07
39	0,00104	0,261	2,89e-06
40	0	0,0563	2,96e-07
41	0,00164	0,355	-3,41e-06
42	0,00112	0,049	-2,7e-07
43	0,000912	0,271	-1,62e-06
44	0	0,0645	1,06e-06
45	0,00101	0,179	2,07e-06
46	0,00132	0,056	0
47	0	0,171	0
48	0,00102	0,0408	-1,53e-06
49	0	0,0749	1,02e-06
50	0,00146	0,0477	1,54e-06

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN