

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*

Model name: *Alva 60 IP54*

Item No: *AZ5705*

Serial No.:

Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*

Report number: *AZ5705*

LuminaireName: *Avila 60 IP54*

LuminaireNumber: *AZ5705*

FileName: *AZ5705.Idt*

Date: *2024-10-10*

Dimensions of luminaire

Length: *150 mm*

Width: *0 mm*

Height: *620 mm*

Dimensions of luminous area

Length: *150 mm*

Width: *0 mm*

C0-plane *0 mm*

C90-plane *0 mm*

C180-plane *0 mm*

C270-plane *0 mm*

Lamps:

Number of lamps: *-1*

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

Type of lamps: *LED*
Total luminous flux: *657,47 lm*
Color temperatur: *2811 K*
Color rendering index: *94,09*
Wattage including ballast: *12,34 W*

Utilization factors:

k = 0.60	<i>0,279</i>
k = 0.80	<i>0,359</i>
k = 1.00	<i>0,431</i>
k = 1.25	<i>0,501</i>
k = 1.50	<i>0,556</i>
k = 2.00	<i>0,642</i>
k = 2.50	<i>0,690</i>
k = 3.00	<i>0,728</i>
k = 4.00	<i>0,781</i>
k = 5.00	<i>0,815</i>

Electrical parameters

<i>U</i>	<i>= 229,678 V</i>
<i>I</i>	<i>= 0,074 A</i>
<i>P</i>	<i>= 12,335 W</i>
<i>Power factor</i>	<i>= 0,721</i>

<i>Power apparent</i>	<i>= 17,110 VA</i>
<i>Power Reactive</i>	<i>= -11,858 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 87,902 %</i>

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

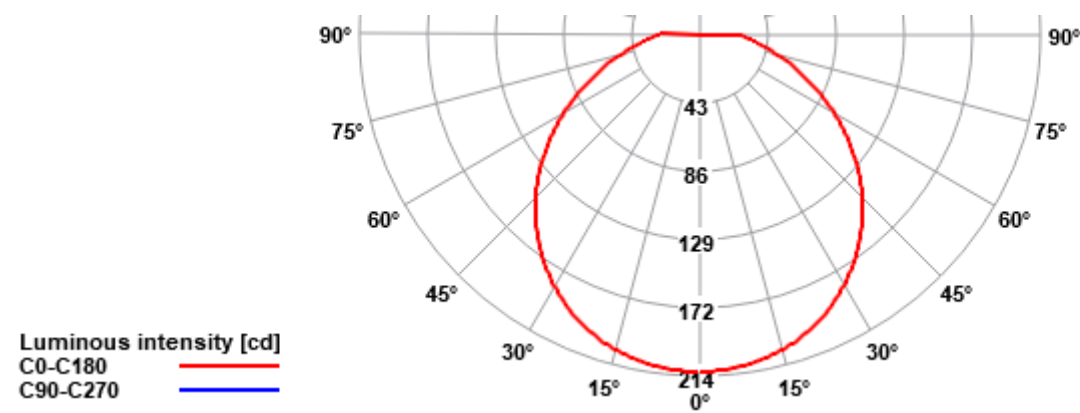
Kapitał 200.000PLN

Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	657,47 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	212,27 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	53,28 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4440
y	0,3953
Angular Colour Uniformity	0,0032

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

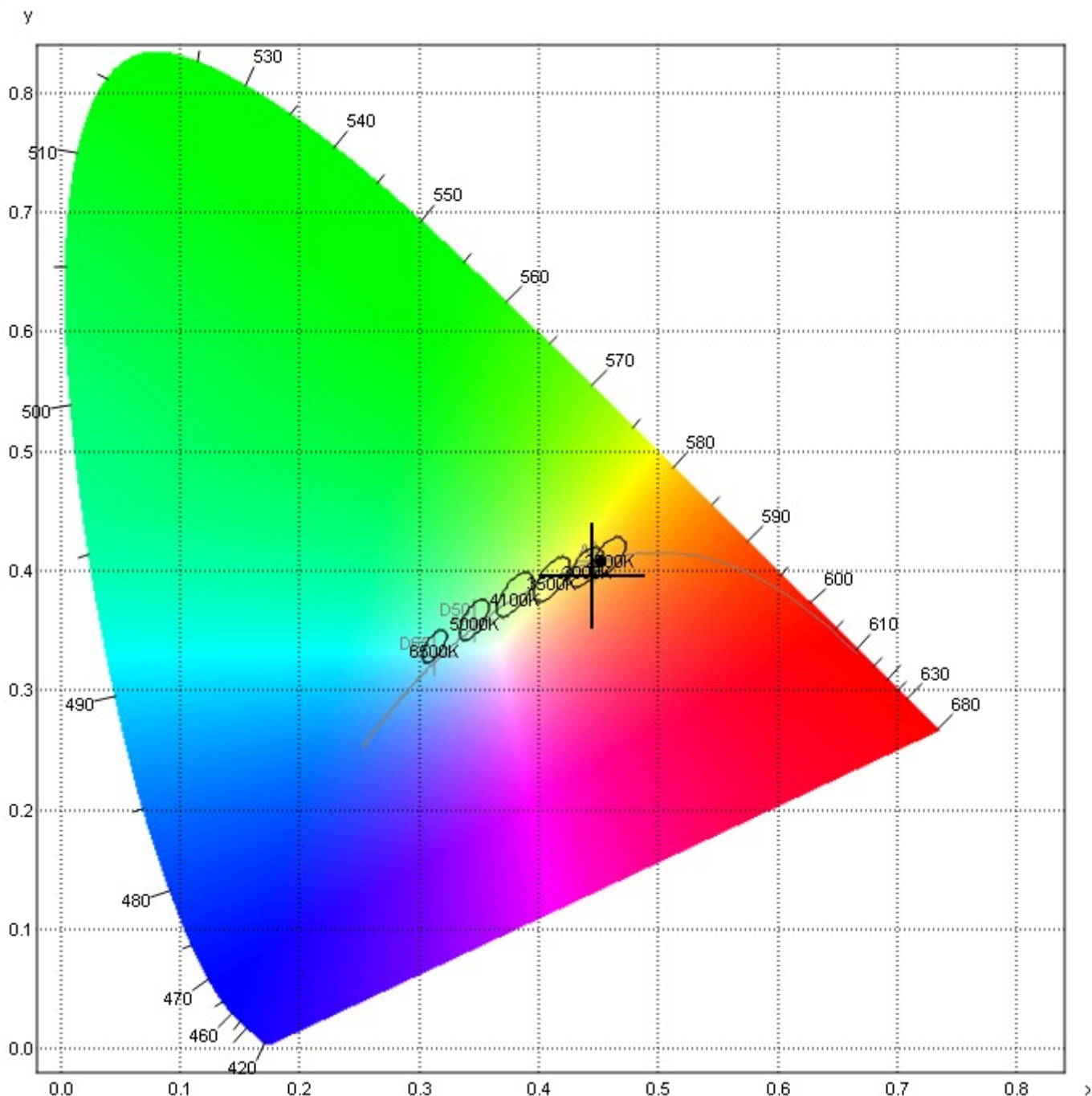
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



Beam cone

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

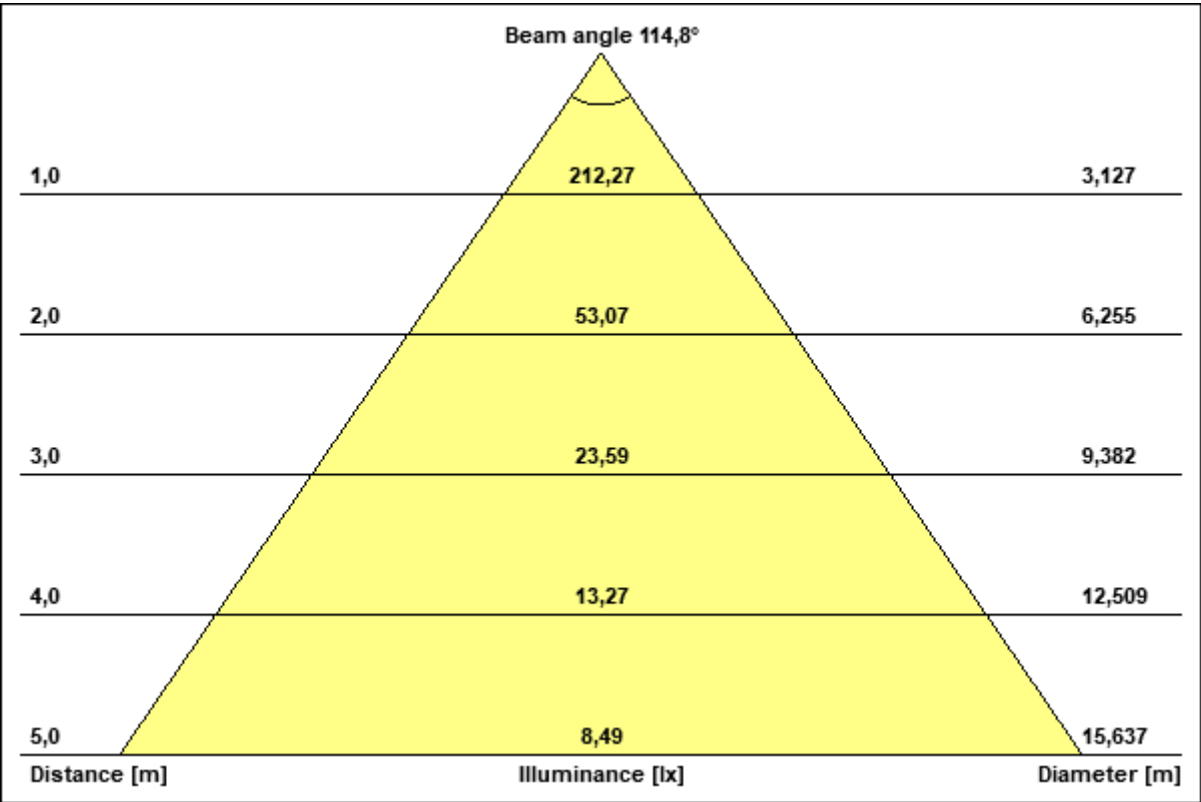
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



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

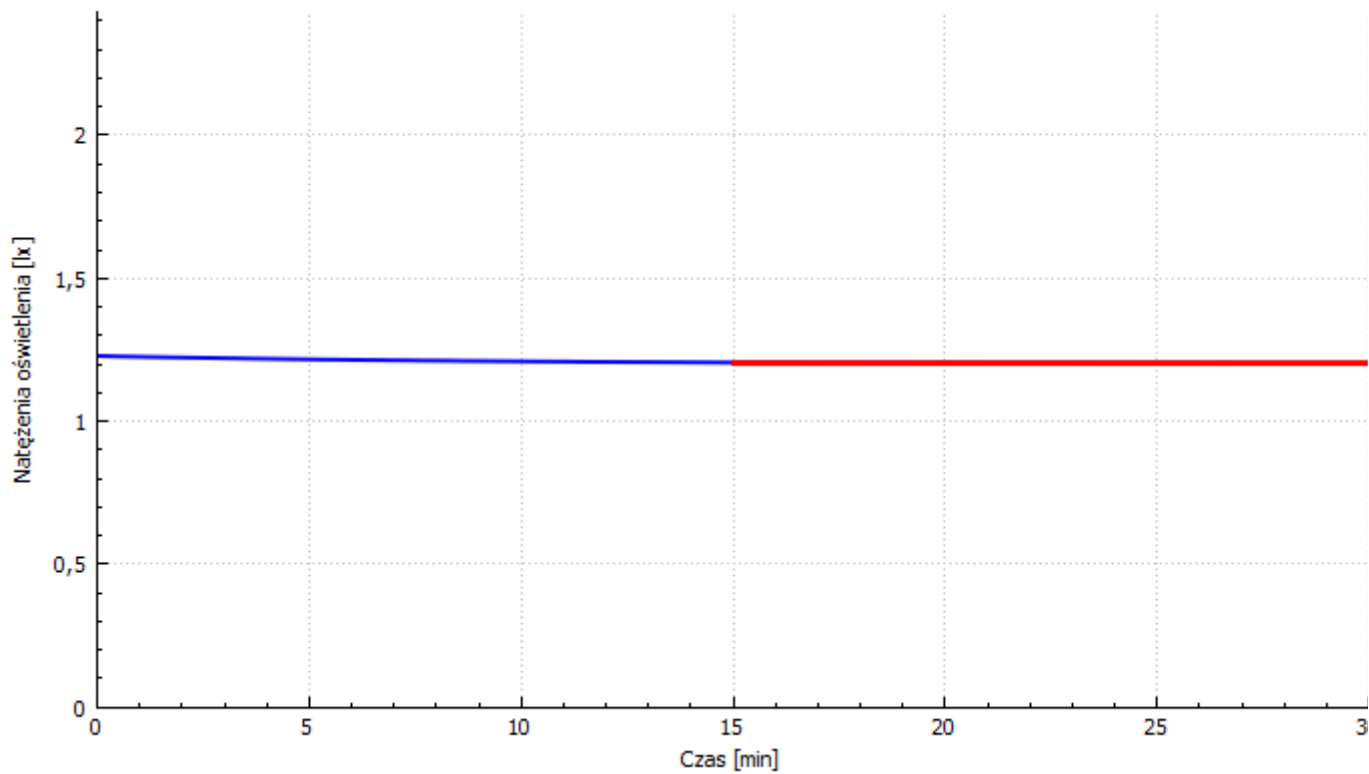
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

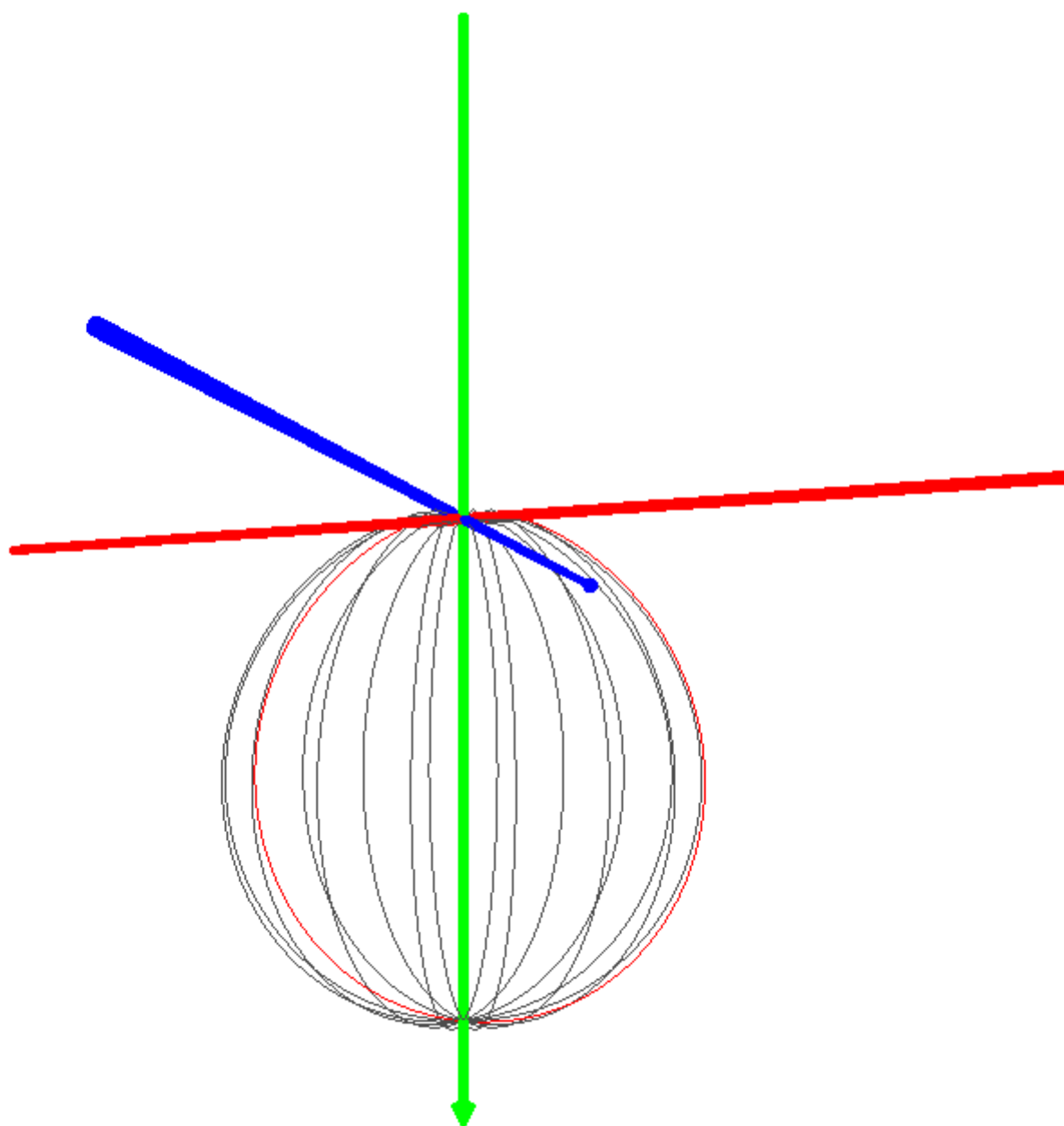
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

- C90-C270

- G0-G180

U(%f)

I(%f)

Ext
end
ed
elec
tric
al
rep
ort

			P(%f)
0	0	0	0
1	100,000	100,000	100,000
2	0,00708	0	0
3	0,00658	45,621	0,002
4	0,00242	0	0
5	0,00762	37,251	0,000547
6	0,00198	0	0
7	0,0154	43,488	0,00296
8	0,00141	0	0
9	0,00375	14,101	0,00022
10	0	0	0
11	0,013	24,516	0,000794
12	0,000919	0	0
13	0,00817	18,687	0,000817
14	0,00104	0	0
15	0,00632	9,901	0,000104
16	0,00122	0	0
17	0,0104	18,481	0,000731
18	0	0	0
19	0,00369	6,220	2,81e-05
20	0,00087	0	0
21	0,0101	12,706	0,000114

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

22	0,00141	0	0
23	0,00674	9,819	-7,13e-05
24	0	0	0
25	0,00489	6,509	1,45e-05
26	0	0	0
27	0,0109	11,150	0,000152
28	0	0	0
29	0,00291	2,957	4,97e-06
30	0,000844	0	0
31	0,0117	8,906	0,000104
32	0	0	0
33	0,00716	6,123	1,74e-05
34	0	0	0
35	0,00716	4,864	5,22e-05
36	0	0	0
37	0,0108	7,574	7,26e-05
38	0	0	0
39	0,00224	1,683	9,41e-06
40	0	0	0
41	0,0101	6,654	0,000134
42	0	0	0
43	0,00572	3,873	1,2e-05
44	0	0	0
45	0,00705	4,002	6,14e-05
46	0	0	0
47	0,00825	5,466	1,38e-05
48	0	0	0
49	0,00143	1,049	-1,2e-05
50	0	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: RCBWPLPW NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN