

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Rant 30 CCT Switch Dimm*
Item No: *AZ6296*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6296-3000K*
LuminaireName: *Rant 10 CCT Switch Dimm*
LuminaireNumber: *AZ6296*
FileName: *AZ62963000K.Idt*
Date: *2024-05-08*

Dimensions of luminaire

Length: *300 mm*
Width: *0 mm*
Height: *80 mm*

Dimensions of luminous area

Length: *296 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: *2155,13 lm*
Color temperatur: *2930 K*
Color rendering index: *93,12*
Wattage including ballast: *27,77 W*

Utilization factors:

k = 0.60	<i>0,323</i>
k = 0.80	<i>0,410</i>
k = 1.00	<i>0,487</i>
k = 1.25	<i>0,561</i>
k = 1.50	<i>0,618</i>
k = 2.00	<i>0,705</i>
k = 2.50	<i>0,751</i>
k = 3.00	<i>0,787</i>
k = 4.00	<i>0,836</i>
k = 5.00	<i>0,866</i>

Electrical parameters

<i>U</i>	<i>= 229,586 V</i>
<i>I</i>	<i>= 0,125 A</i>
<i>P</i>	<i>= 27,771 W</i>
<i>Power factor</i>	<i>= 0,966</i>

<i>Power apparent</i>	<i>= 28,747 VA</i>
<i>Power Reactive</i>	<i>= -7,428 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 21,901 %</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

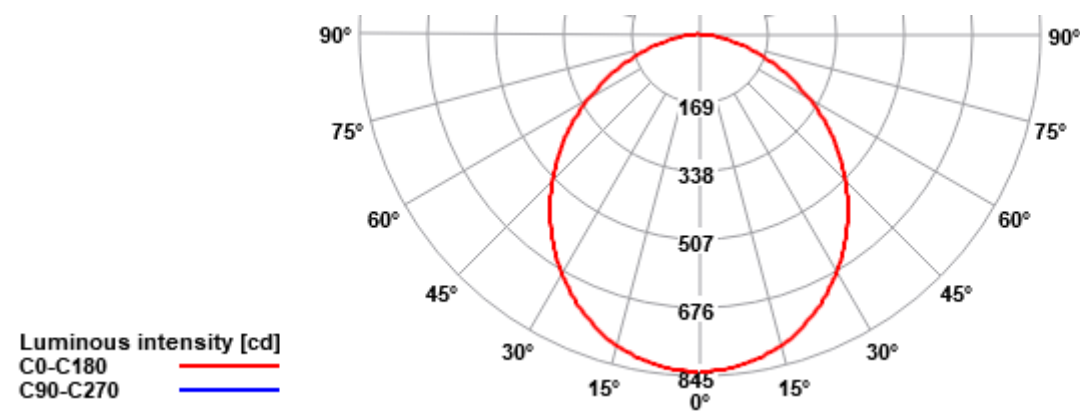
Kapitał 200.000PLN

Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	2155,13 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	836,36 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	77,61 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4397
y	0,4013
Angular Colour Uniformity	0,0012

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

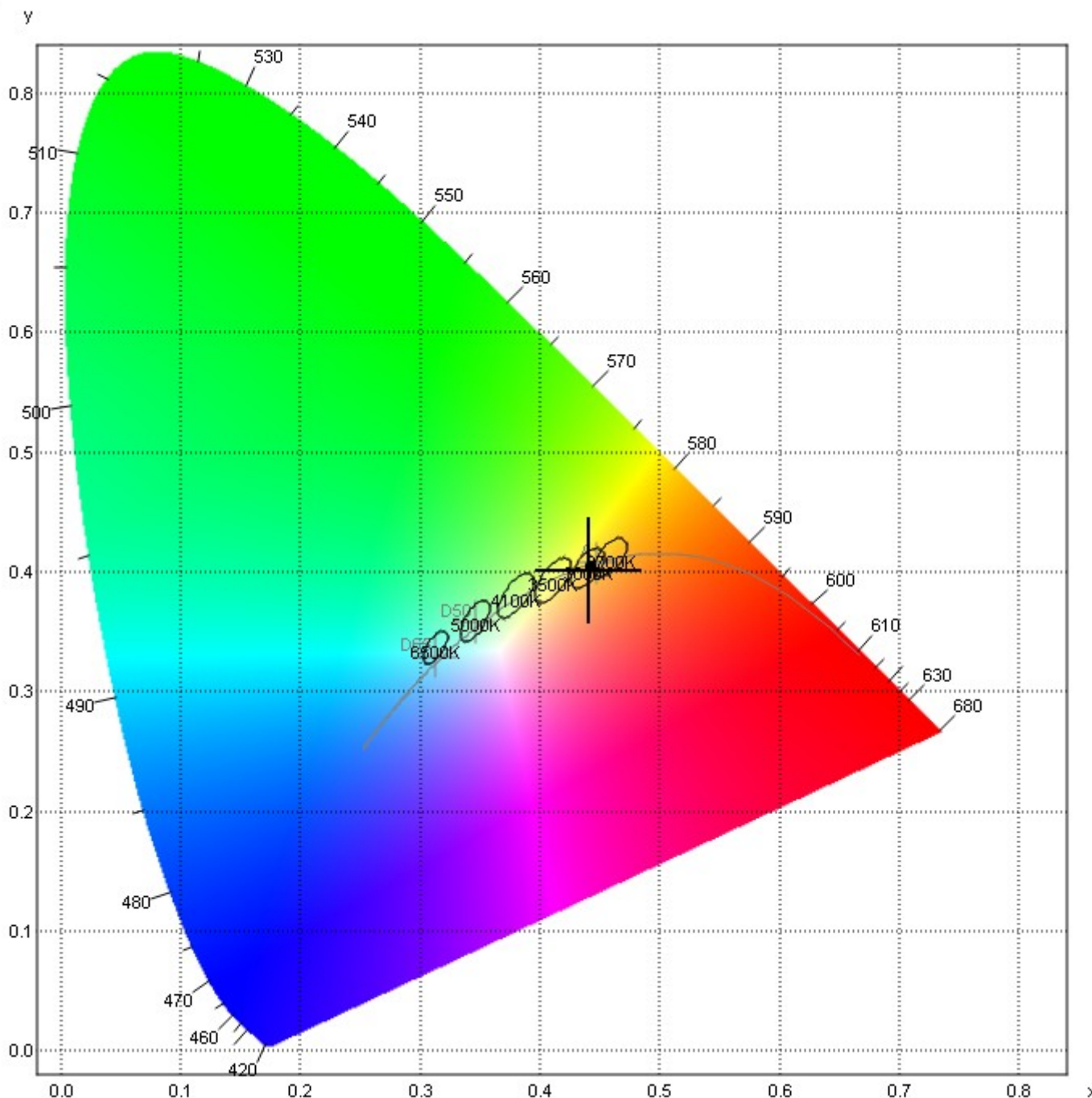
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

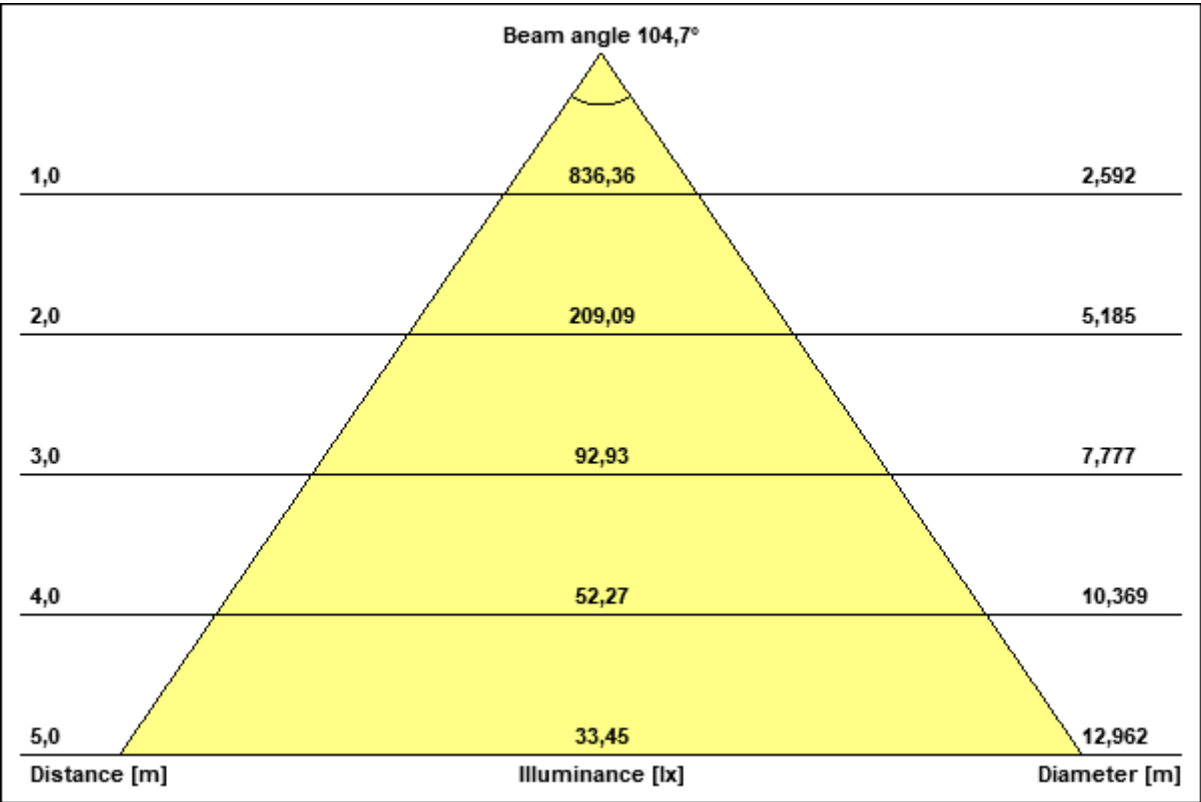
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

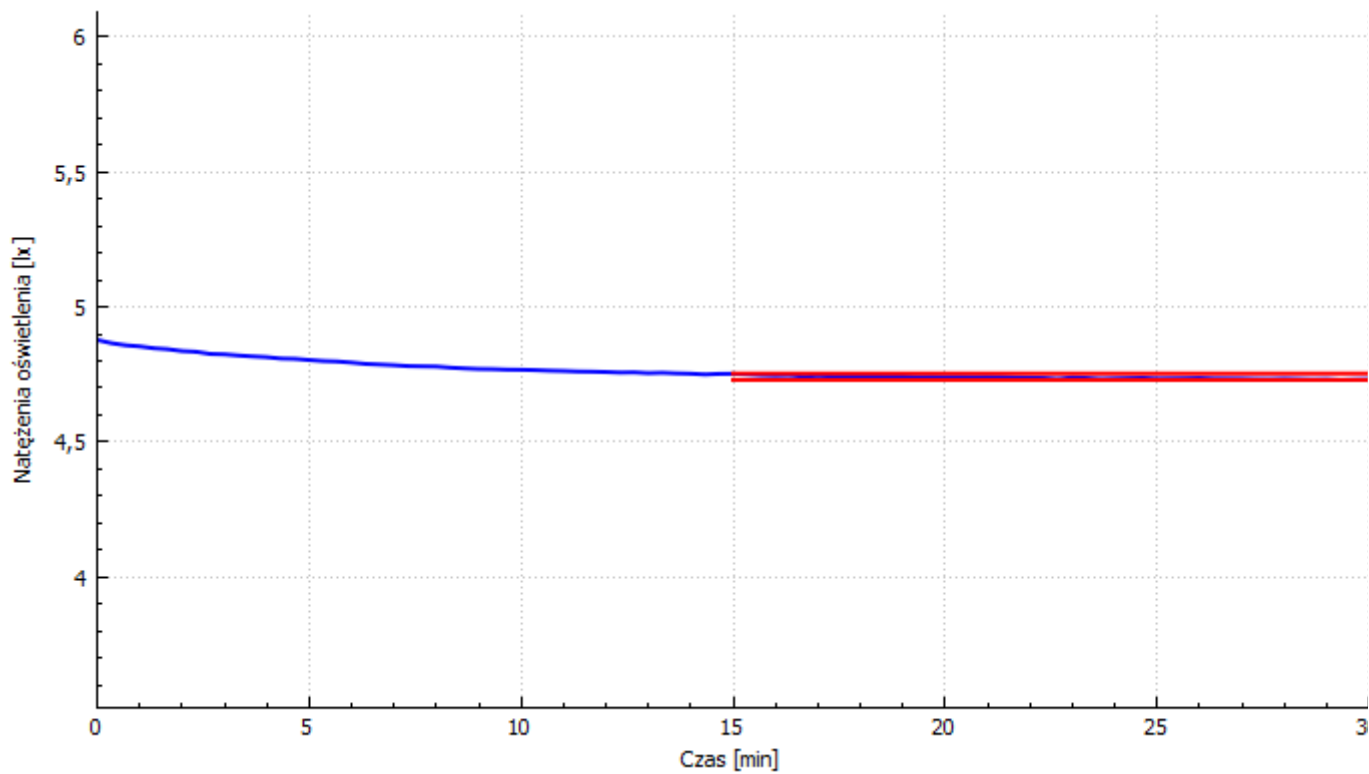
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

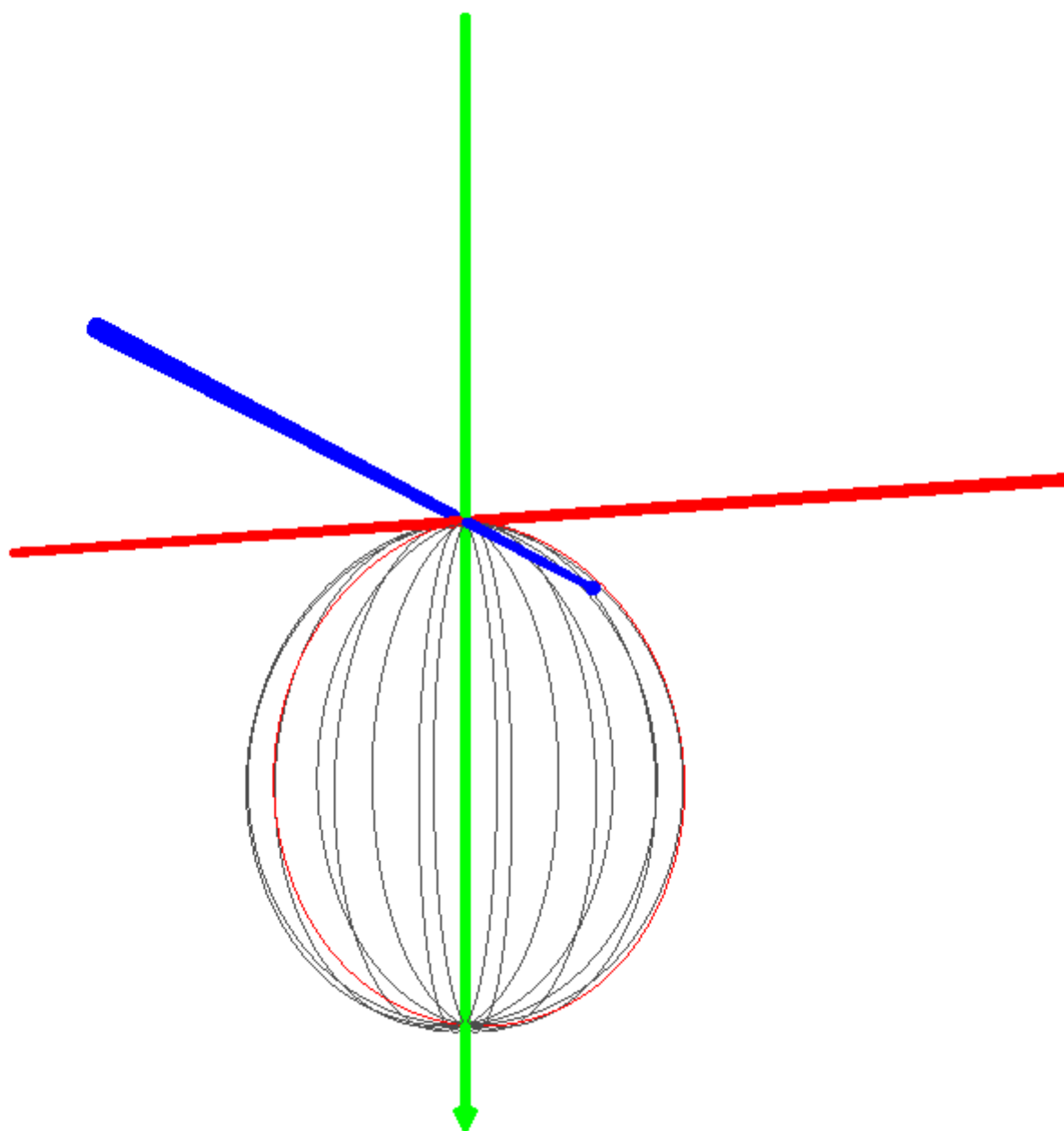
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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: RCBWPLPW NIP: 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	0,00461	98,676	3,47e-05
1	100,000	100,000	100,000
2	0,00644	27,051	4,75e-06
3	0,0055	19,446	0,000871
4	0,00192	12,661	2,47e-06
5	0,0099	7,878	0,000723
6	0,00109	7,562	-1,66e-07
7	0,00612	4,143	0,000209
8	0,00127	5,266	6,03e-07
9	0,00348	2,634	4,61e-05
10	0,00111	3,773	0
11	0,00234	1,830	-3,61e-05
12	0	3,070	0
13	0,0016	1,424	-1,05e-06
14	0	2,484	0
15	0,00294	1,251	2,27e-05
16	0	2,182	0
17	0,00347	1,140	3,55e-05
18	0	1,921	0
19	0,00293	1,122	2,35e-05
20	0	1,759	0
21	0,00291	1,020	2,24e-05

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	1,667	0
23	0,00197	0,989	-1,16e-05
24	0	1,484	0
25	0	0,936	0
26	0	1,388	0
27	0,00131	0,974	7,1e-06
28	0	1,322	0
29	0	0,906	0
30	0	1,307	0
31	0,00109	0,877	2,17e-06
32	0	1,187	0
33	0	0,877	2,45e-06
34	0	1,057	0
35	0,00238	0,873	-9,23e-06
36	0	1,011	0
37	0,00184	0,840	-1,29e-05
38	0	0,905	0
39	0,00224	0,798	-8,79e-06
40	0	0,892	0
41	0,00144	0,772	-5,37e-06
42	0	0,869	0
43	0,00236	0,750	-4,66e-06
44	0	0,749	0
45	0,00436	0,766	-9,81e-06
46	0	0,666	0
47	0,00464	0,789	-3,86e-06
48	0	0,604	0
49	0,0051	0,786	-1,42e-06
50	0	0,446	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