

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Rant 40 CCT Switch Dimm*
Item No: *AZ6298*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6298-6000K*
LuminaireName: *Rant 40 CCT Switch Dimm*
LuminaireNumber: *AZ6298*
FileName: *AZ62986000K.Idt*
Date: *2024-05-09*

Dimensions of luminaire

Length: *400 mm*
Width: *0 mm*
Height: *80 mm*

Dimensions of luminous area

Length: *396 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: *3473,28 lm*
Color temperatur: *6276 K*
Color rendering index: *90,82*
Wattage including ballast: *45,35 W*

Utilization factors:

k = 0.60	<i>0,305</i>
k = 0.80	<i>0,391</i>
k = 1.00	<i>0,467</i>
k = 1.25	<i>0,542</i>
k = 1.50	<i>0,600</i>
k = 2.00	<i>0,688</i>
k = 2.50	<i>0,737</i>
k = 3.00	<i>0,774</i>
k = 4.00	<i>0,825</i>
k = 5.00	<i>0,857</i>

Electrical parameters

<i>U</i>	<i>= 229,550 V</i>
<i>I</i>	<i>= 0,201 A</i>
<i>P</i>	<i>= 45,346 W</i>
<i>Power factor</i>	<i>= 0,984</i>

<i>Power apparent</i>	<i>= 46,055 VA</i>
<i>Power Reactive</i>	<i>= -8,090 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 11,614 %</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

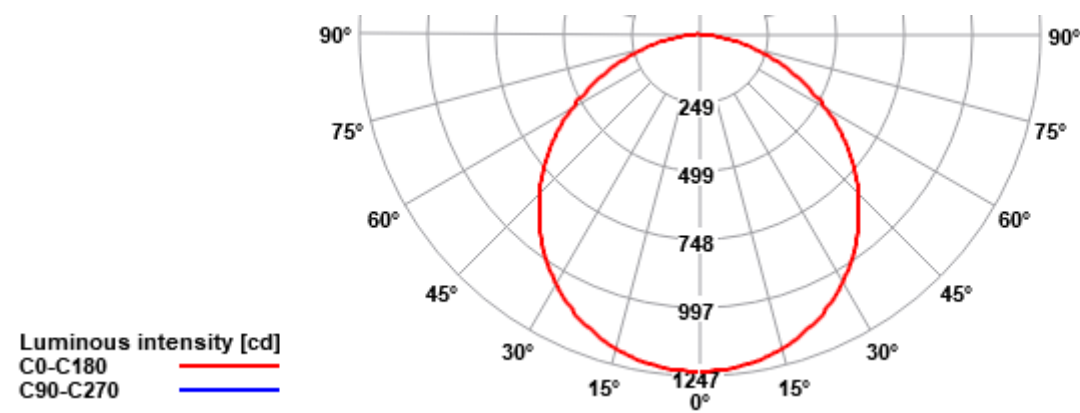
Kapitał 200.000PLN

Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	3473,28 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	1234,18 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	76,59 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,3156
y	0,3426
Angular Colour Uniformity	0,0006

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

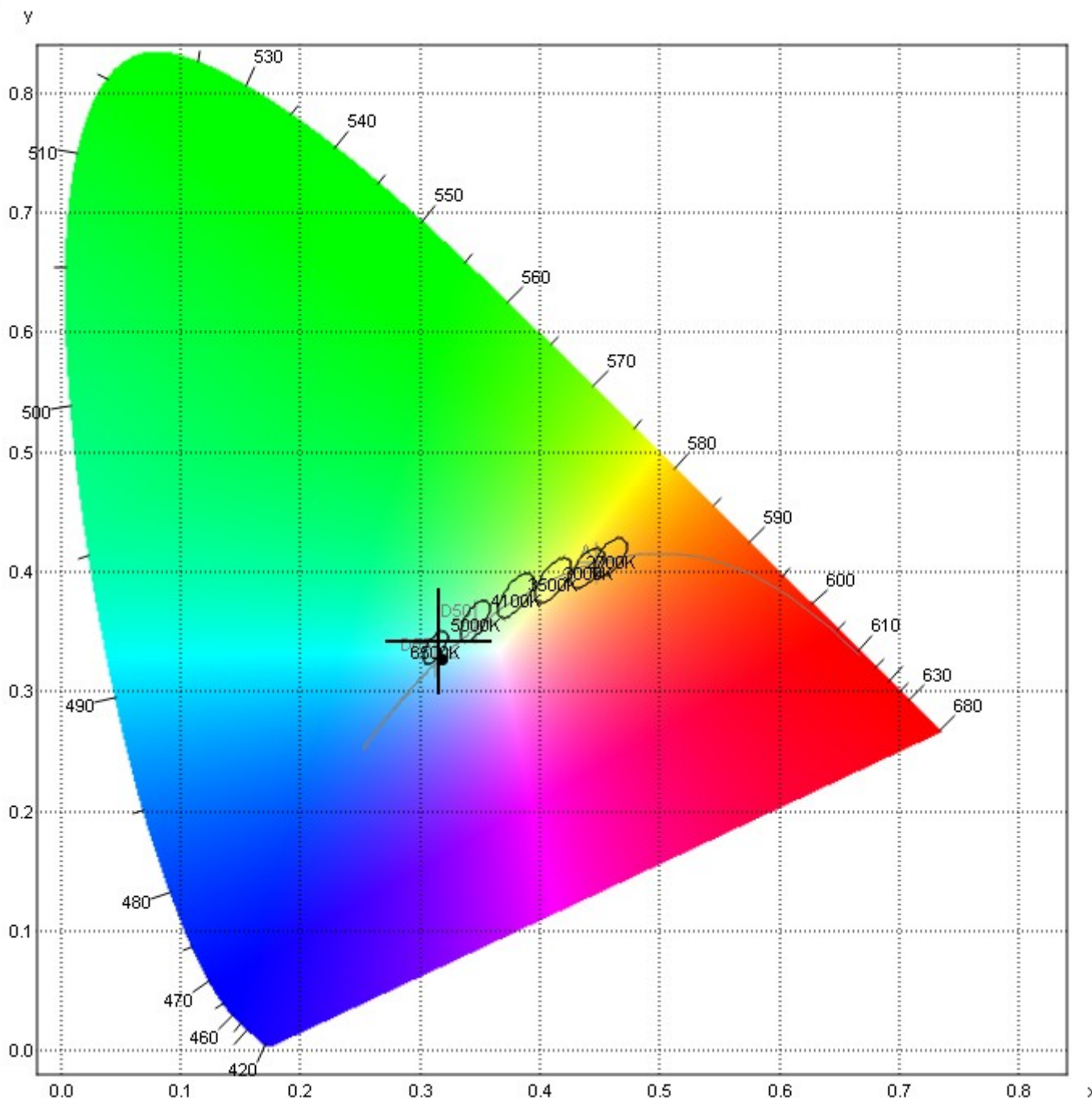
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

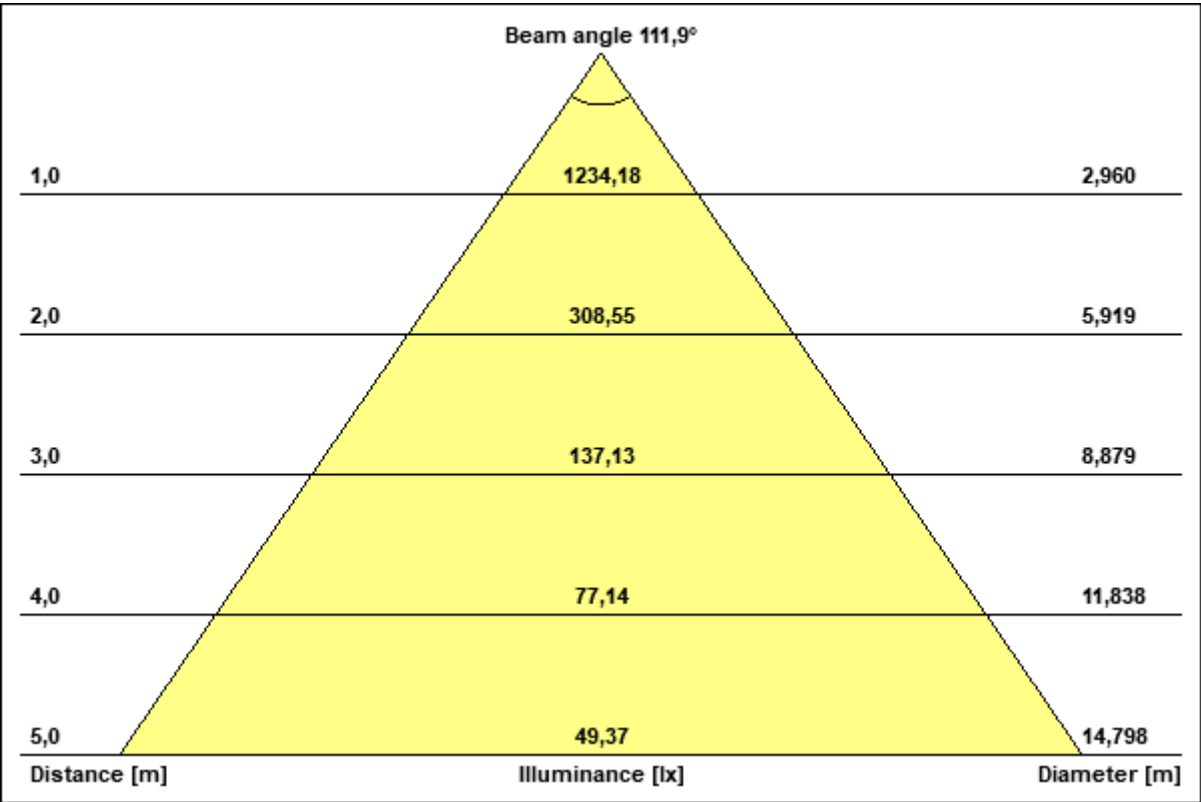
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

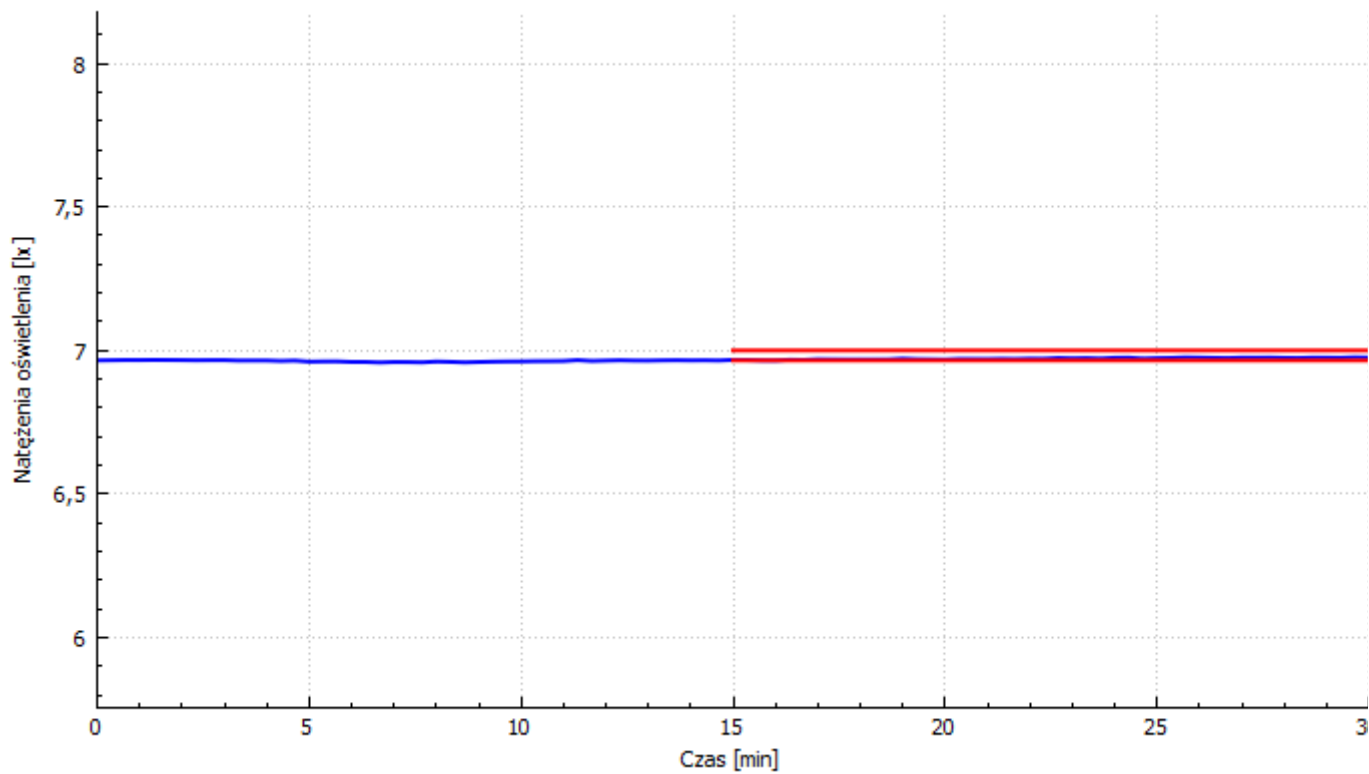
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

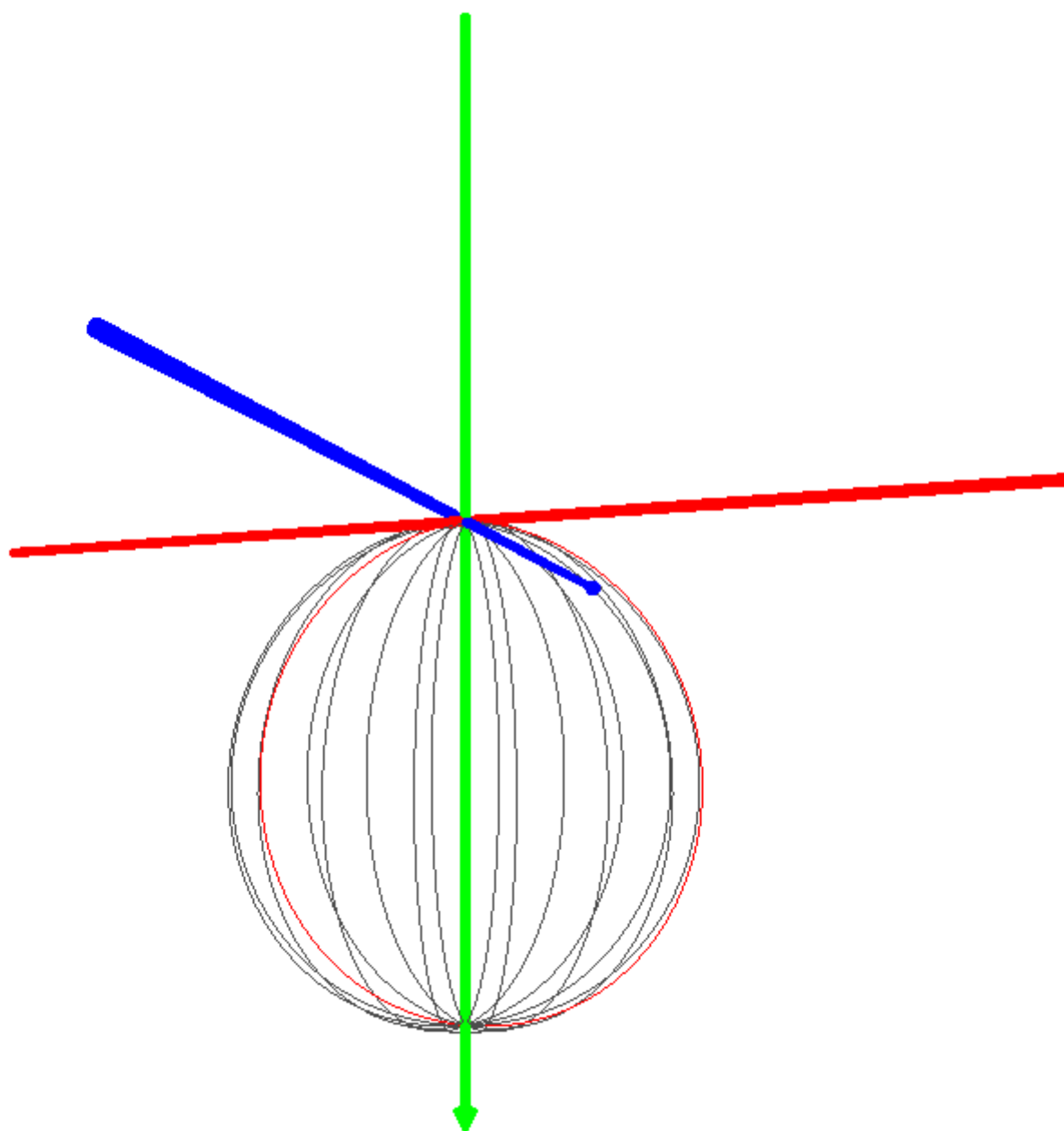
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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	0,00306	0,0461	1,4e-06
1	100,000	100,000	100,000
2	0,00501	0,0717	3,61e-07
3	0,00409	10,577	0,000266
4	0,0019	0,130	1,73e-06
5	0,00606	1,179	2,86e-05
6	0,000937	0,0508	1,15e-06
7	0,00285	1,351	-1,64e-05
8	0	0,0872	0
9	0,00169	1,947	-1,14e-05
10	0	0,0556	-6,24e-08
11	0,00597	2,413	5,16e-05
12	0	0,102	0
13	0,0049	2,109	1,08e-05
14	0	0,106	0
15	0,00287	1,405	-1,34e-05
16	0	0,0213	0
17	0,0013	1,030	-4,74e-06
18	0,000887	0,0764	0
19	0,00247	0,862	-5,25e-06
20	0,000931	0,0801	0
21	0,00221	0,585	-2,62e-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: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

22	0,00089	0,0751	0
23	0,00471	0,269	-3,63e-06
24	0,000941	0,087	0
25	0,00141	0,158	-1,43e-06
26	0	0,0364	0
27	0,00186	0,485	-2,28e-06
28	0	0,0888	0
29	0,00188	0,291	-3,04e-06
30	0	0,0789	0
31	0,00335	0,627	6,89e-06
32	0	0,0297	0
33	0,00143	0,129	-8,07e-07
34	0	0,043	0
35	0,00115	0,139	1,21e-06
36	0	0,102	0
37	0,00127	0,332	5,23e-07
38	0	0,0631	0
39	0,0009	0,162	0
40	0	0,0252	0
41	0,00229	0,245	-1,86e-06
42	0	0,0925	0
43	0	0,219	0
44	0,000966	0,0763	-3,1e-07
45	0,00241	0,247	-3,01e-06
46	0	0,067	4,69e-07
47	0,00187	0,279	-4,13e-06
48	0	0,0764	2,77e-07
49	0,00153	0,200	-3,5e-06
50	0	0,124	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