

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Niko 2 Track Magnetic 12W CCT Switch*
Item No: *AZ6253*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6250_3000*
LuminaireName: *Alfa Niko 2 Track Magnetic 2Line 12W CCT Switch*
LuminaireNumber: *AZ6250*
FileName: *AZ6250_3000.ldt*
Date: *2024-09-25*

Dimensions of luminaire

Length: *45 mm*
Width: *0 mm*
Height: *190 mm*

Dimensions of luminous area

Length: *35 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.

Raiffeisen Bank Polska S.A.

NIP: 783-171-97-20

ul. Poznańska 70

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

REGON 360317241

PL-62-040 Puszczkowo; Poland

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

KRS: 0000537079

Tel.: +48 61 819 40 03

SWIFT BIC: RCBWPLPW

Kapitał 200.000PLN

Type of lamps: *LED*
 Total luminous flux: *572,54 lm*
 Color temperatur: *2834 K*
 Color rendering index: *88,64*
 Wattage including ballast: *14,15 W*

Utilization factors:

| | |
|------------|--------------|
| $k = 0.60$ | <i>0,705</i> |
| $k = 0.80$ | <i>0,752</i> |
| $k = 1.00$ | <i>0,801</i> |
| $k = 1.25$ | <i>0,839</i> |
| $k = 1.50$ | <i>0,867</i> |
| $k = 2.00$ | <i>0,919</i> |
| $k = 2.50$ | <i>0,928</i> |
| $k = 3.00$ | <i>0,941</i> |
| $k = 4.00$ | <i>0,962</i> |
| $k = 5.00$ | <i>0,976</i> |

Electrical parameters

U = *229,687 V*
 I = *0,079 A*
 P = *14,146 W*
 Power factor = *0,784*

Power apparent = *18,041 VA*
 Power Reactive = *-11,196 var*
 Frequency Voltage = *49,999 Hz*
 THD = *43,485 %*

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

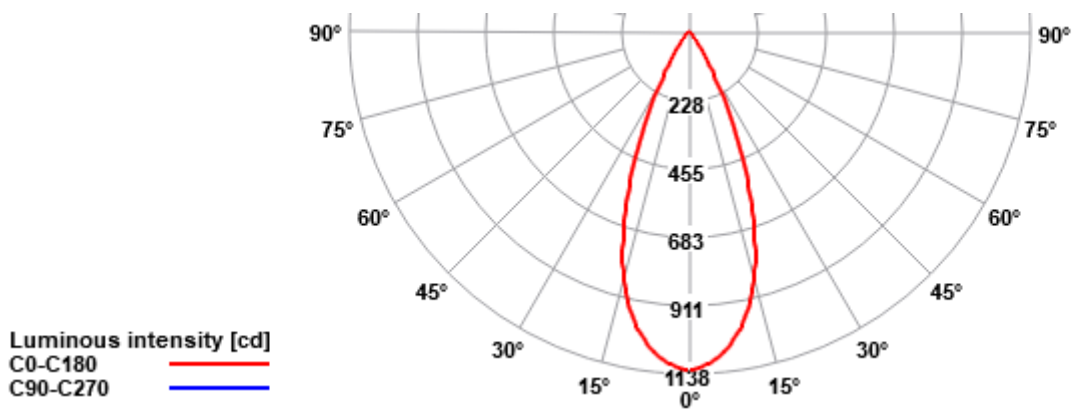
Kapitał 200.000PLN

Temperature = 25 C

Goniometric measurement results

| | |
|--------------------------------------|------------|
| Total flux (utilized luminaire flux) | 572,54 lm |
| Flux in lower hemisphere | 100,00 % |
| Flux in upper hemisphere | -0,00 % |
| Maximum luminous intensity | 1127,01 cd |
| Light output ratio (LOR) | 100,00 % |
| Luminous efficacy | 40,46 lm/W |

Light intensity distribution diagram



CIE 1931 diagram

| | |
|---------------------------|--------|
| x | 0,4442 |
| y | 0,3983 |
| Angular Colour Uniformity | 0,0044 |

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

ul. Poznańska 70

PL-62-040 Puszczkowo; Poland

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

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

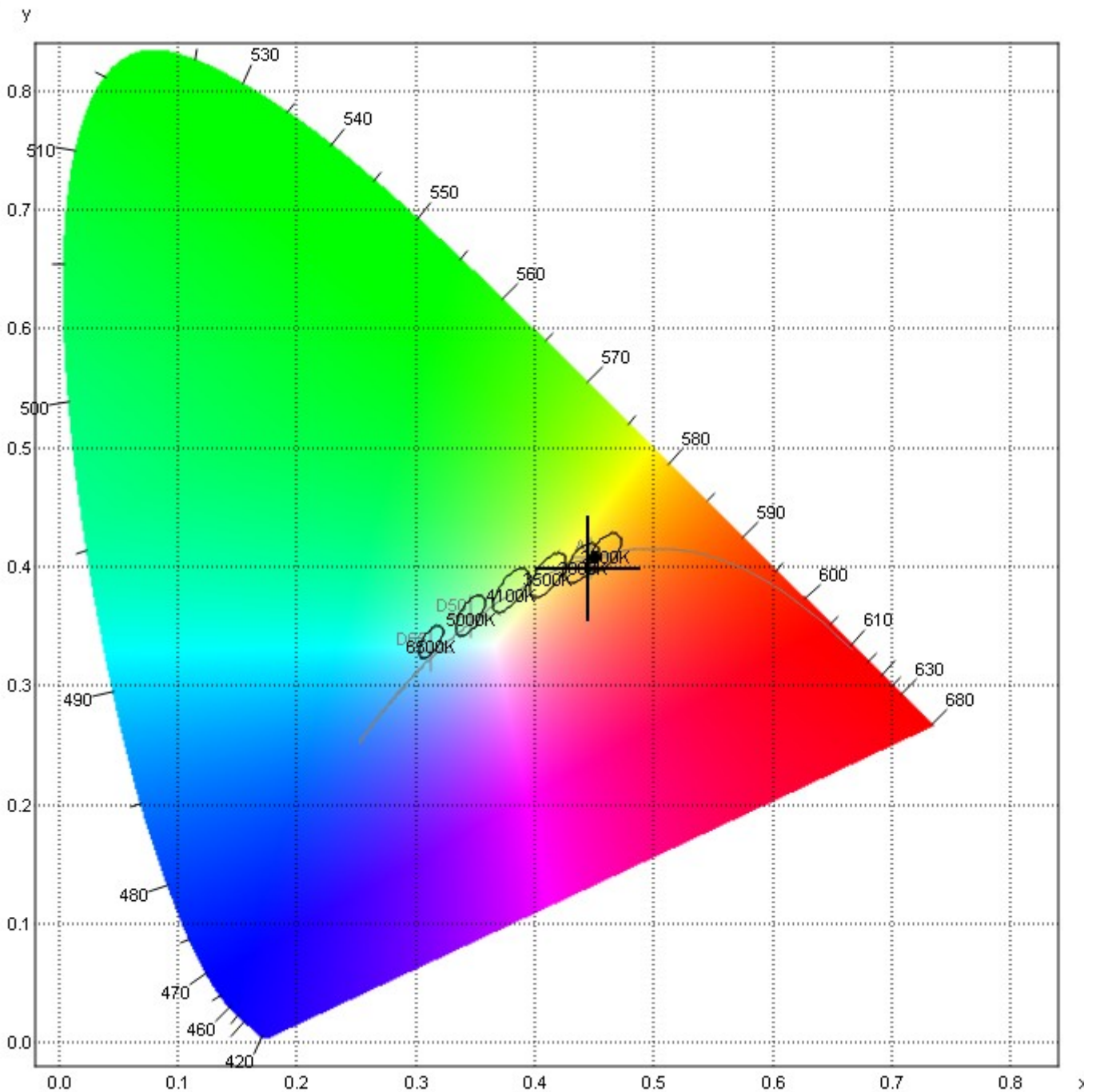
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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 Puszczkowo; Poland

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

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

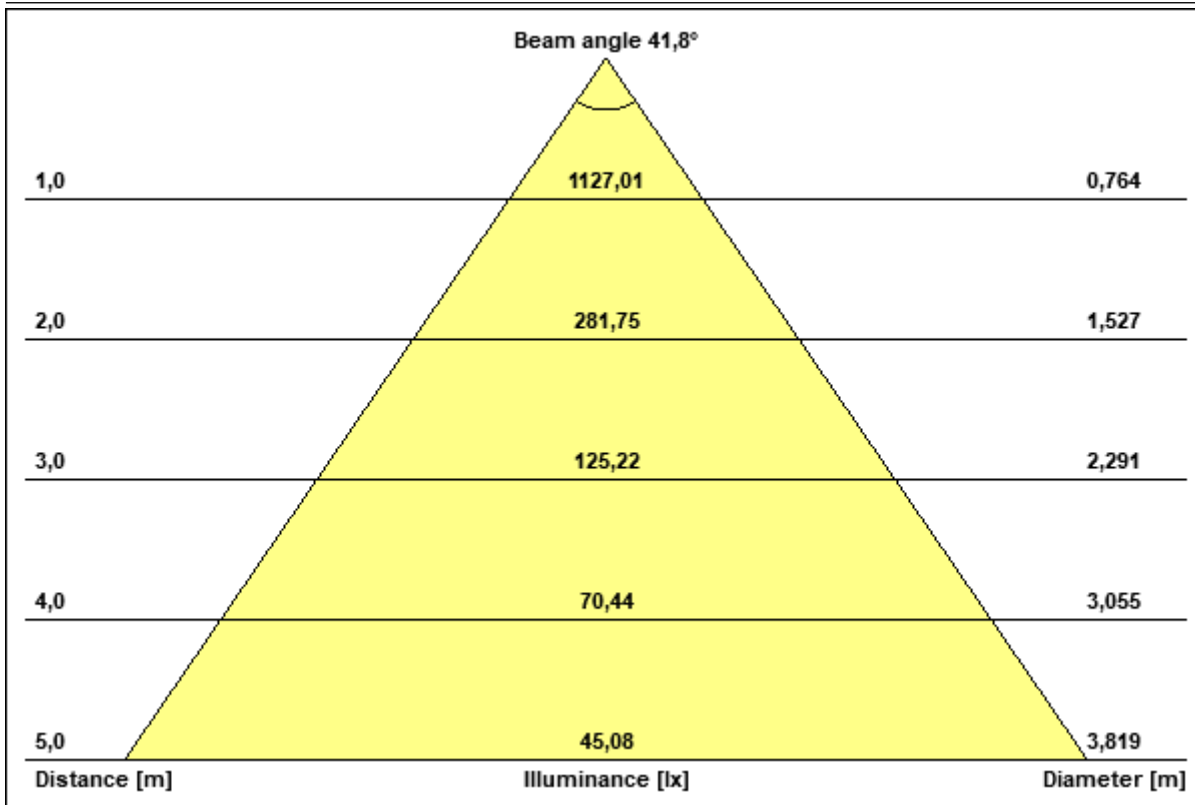
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

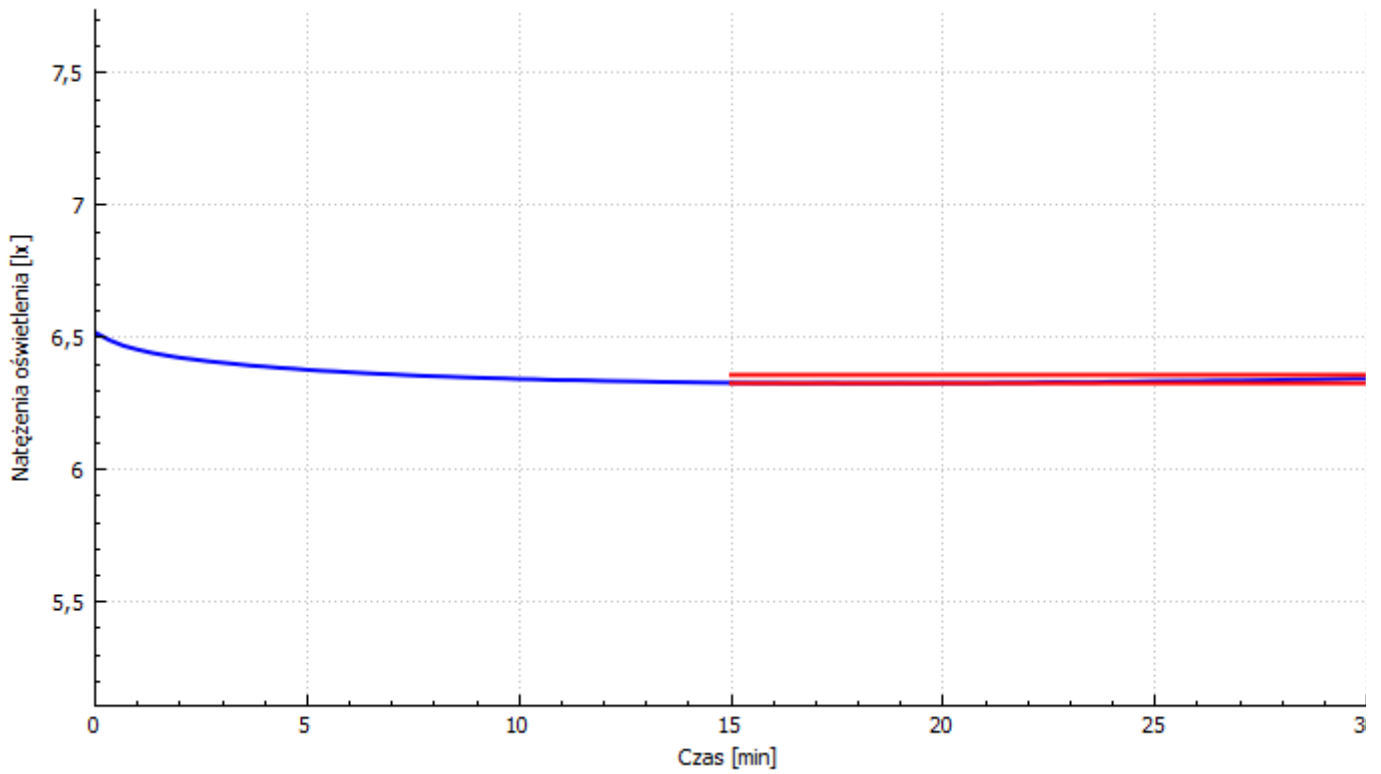
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

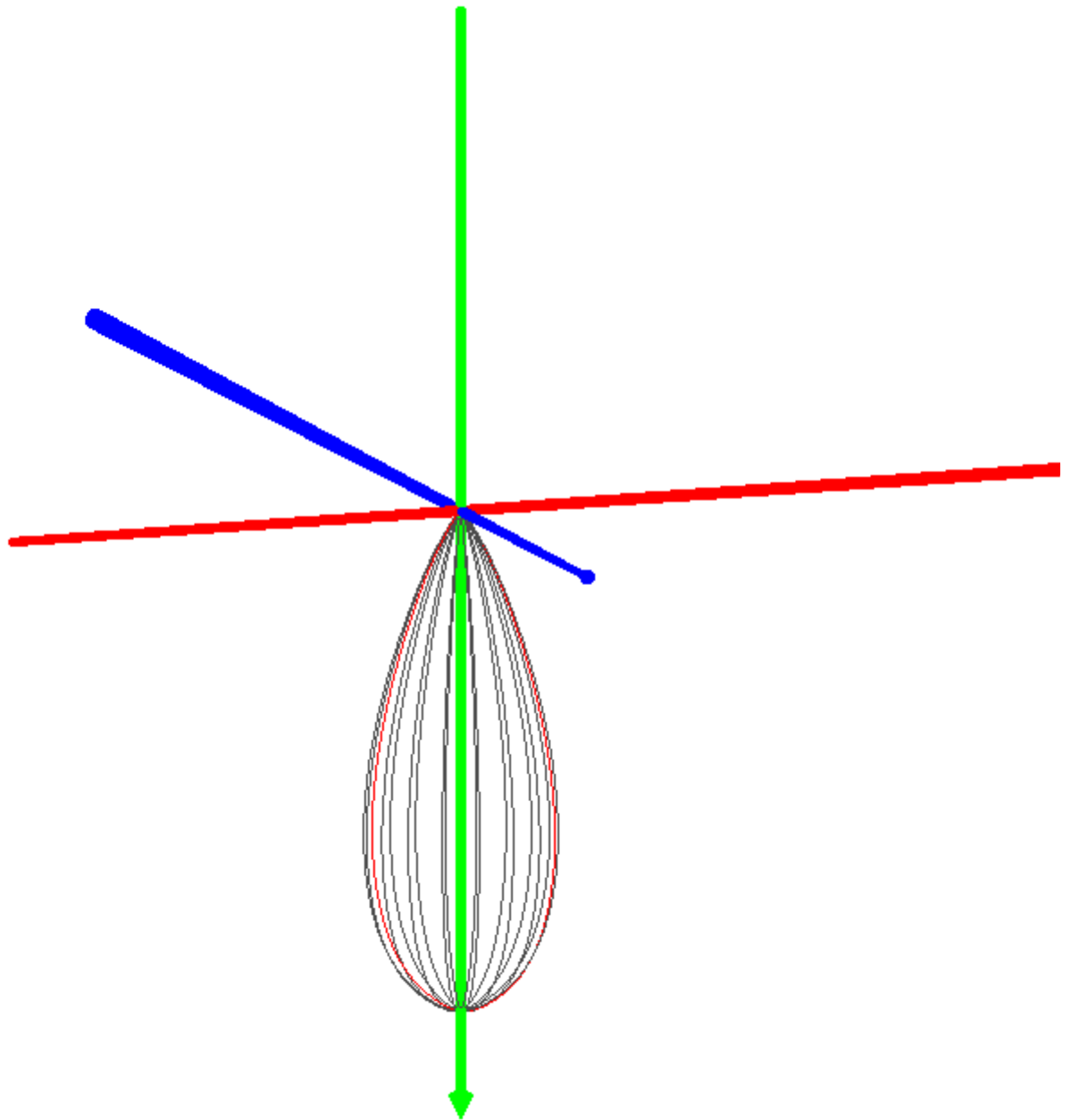
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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)

P(%f)

**Ext
end
ed
elec
tric
al
rep
ort**

| | U(%f) | I(%f) | P(%f) |
|----|----------|---------|-----------|
| 0 | 0,0109 | 0,387 | -7,15e-05 |
| 1 | 100,000 | 100,000 | 100,000 |
| 2 | 0,00838 | 0,566 | -1,68e-05 |
| 3 | 0,0111 | 34,015 | 0,00086 |
| 4 | 0,00467 | 0,268 | -1,12e-05 |
| 5 | 0,00229 | 16,129 | 0,000309 |
| 6 | 0,00289 | 0,310 | -1,77e-06 |
| 7 | 0,00422 | 10,366 | 0,000406 |
| 8 | 0,00163 | 0,357 | -2,38e-06 |
| 9 | 0,00408 | 6,720 | 0,000197 |
| 10 | 0,00101 | 0,255 | -4,37e-06 |
| 11 | 0,00835 | 6,920 | 0,00044 |
| 12 | 0,00117 | 0,236 | -7,63e-06 |
| 13 | 0,00364 | 5,462 | 0,000229 |
| 14 | 0,000929 | 0,312 | -5,08e-06 |
| 15 | 0,00174 | 4,268 | 6,57e-05 |
| 16 | 0,00102 | 0,370 | 3,13e-07 |
| 17 | 0,00595 | 6,270 | -1,27e-06 |
| 18 | 0,000862 | 0,426 | -3,06e-06 |
| 19 | 0,0046 | 4,508 | -1,82e-05 |
| 20 | 0 | 0,335 | 0 |
| 21 | 0,00687 | 5,832 | 2,83e-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 | 0,00109 | 0,449 | -4,31e-06 |
| 23 | 0,00638 | 5,329 | -0,00014 |
| 24 | 0,00109 | 0,335 | -6,35e-06 |
| 25 | 0,00489 | 3,520 | 7,24e-06 |
| 26 | 0,00146 | 0,396 | -2,89e-06 |
| 27 | 0,00665 | 4,529 | 7,75e-05 |
| 28 | 0,00104 | 0,332 | -1,6e-06 |
| 29 | 0,0027 | 1,912 | 2,64e-05 |
| 30 | 0 | 0,378 | 0 |
| 31 | 0,00236 | 1,949 | 4,31e-05 |
| 32 | 0,00123 | 0,292 | -3,08e-06 |
| 33 | 0,00235 | 2,295 | -9,61e-06 |
| 34 | 0,00144 | 0,306 | -2,99e-06 |
| 35 | 0,00268 | 1,700 | 4,35e-06 |
| 36 | 0,00141 | 0,385 | 3,67e-06 |
| 37 | 0,00548 | 2,738 | -1,57e-05 |
| 38 | 0,00131 | 0,453 | 1,9e-06 |
| 39 | 0,00888 | 3,532 | 3,24e-05 |
| 40 | 0,00189 | 0,442 | 1,05e-06 |
| 41 | 0,00907 | 3,040 | 6,53e-05 |
| 42 | 0,00247 | 0,508 | 2,32e-06 |
| 43 | 0,00965 | 3,819 | 0,000103 |
| 44 | 0,00158 | 0,295 | 5,19e-06 |
| 45 | 0,00625 | 3,051 | 4,86e-05 |
| 46 | 0,00136 | 0,417 | 6,95e-07 |
| 47 | 0,00566 | 2,791 | 4,64e-05 |
| 48 | 0,00165 | 0,244 | 2,63e-07 |
| 49 | 0,00507 | 2,706 | 9,43e-07 |
| 50 | 0,00184 | 0,340 | -1,53e-07 |

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