

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Kira Track Magnetic 36W CCT Switch*
Item No: *AZ6242*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6242_6000*
LuminaireName: *Alfa Kira Track Magnetic 2Line 36W CCT Switch*
LuminaireNumber: *AZ6242*
FileName: *AZ6242_6000.ldt*
Date: *2024-09-23*

Dimensions of luminaire

Length: *650 mm*
Width: *24 mm*
Height: *60 mm*

Dimensions of luminous area

Length: *640 mm*
Width: *14 mm*
C0-plane *0 mm*
C90-plane *0 mm*
C180-plane *0 mm*
C270-plane *0 mm*

Lamps:

Number of lamps: *-1*

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SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

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Type of lamps: *LED*
Total luminous flux: *2289,34 lm*
Color temperatur: *7440 K*
Color rendering index: *93,31*
Wattage including ballast: *35,56 W*

Utilization factors:

| | |
|----------|--------------|
| k = 0.60 | <i>0,721</i> |
| k = 0.80 | <i>0,764</i> |
| k = 1.00 | <i>0,812</i> |
| k = 1.25 | <i>0,848</i> |
| k = 1.50 | <i>0,874</i> |
| k = 2.00 | <i>0,925</i> |
| k = 2.50 | <i>0,933</i> |
| k = 3.00 | <i>0,946</i> |
| k = 4.00 | <i>0,966</i> |
| k = 5.00 | <i>0,979</i> |

Electrical parameters

| | |
|---------------------|--------------------|
| <i>U</i> | <i>= 229,585 V</i> |
| <i>I</i> | <i>= 0,167 A</i> |
| <i>P</i> | <i>= 35,560 W</i> |
| <i>Power factor</i> | <i>= 0,928</i> |

| | |
|--------------------------|----------------------|
| <i>Power apparent</i> | <i>= 38,318 VA</i> |
| <i>Power Reactive</i> | <i>= -14,262 var</i> |
| <i>Frequency Voltage</i> | <i>= 50,002 Hz</i> |
| <i>THD</i> | <i>= 17,022 %</i> |

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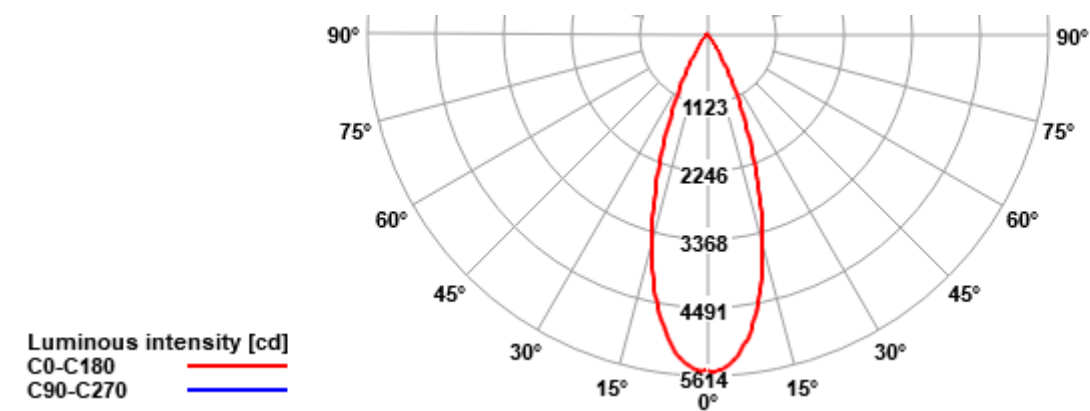
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Temperature = 25 C

Goniometric measurement results

| | |
|--------------------------------------|------------|
| Total flux (utilized luminarie flux) | 2289,34 lm |
| Flux in lower hemisphere | 100,00 % |
| Flux in upper hemisphere | -0,00 % |
| Maximum luminous intensity | 5558,26 cd |
| Light output ratio (LOR) | 100,00 % |
| Luminous efficacy | 64,38 lm/W |

Light intensity distribution diagram



CIE 1931 diagram

| | |
|---------------------------|--------|
| x | 0,3014 |
| y | 0,3099 |
| Angular Colour Uniformity | 0,0049 |

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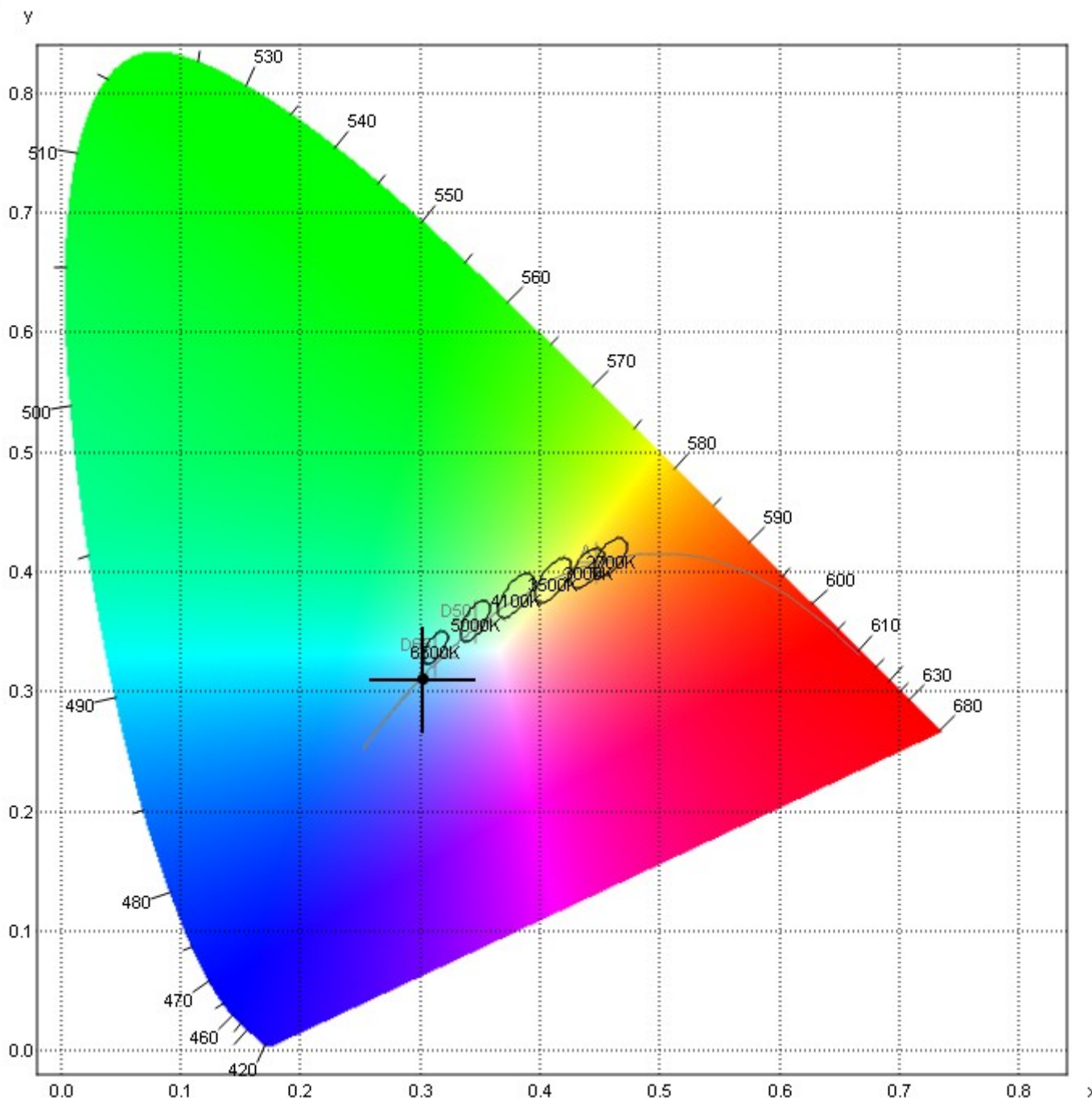
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Beam cone

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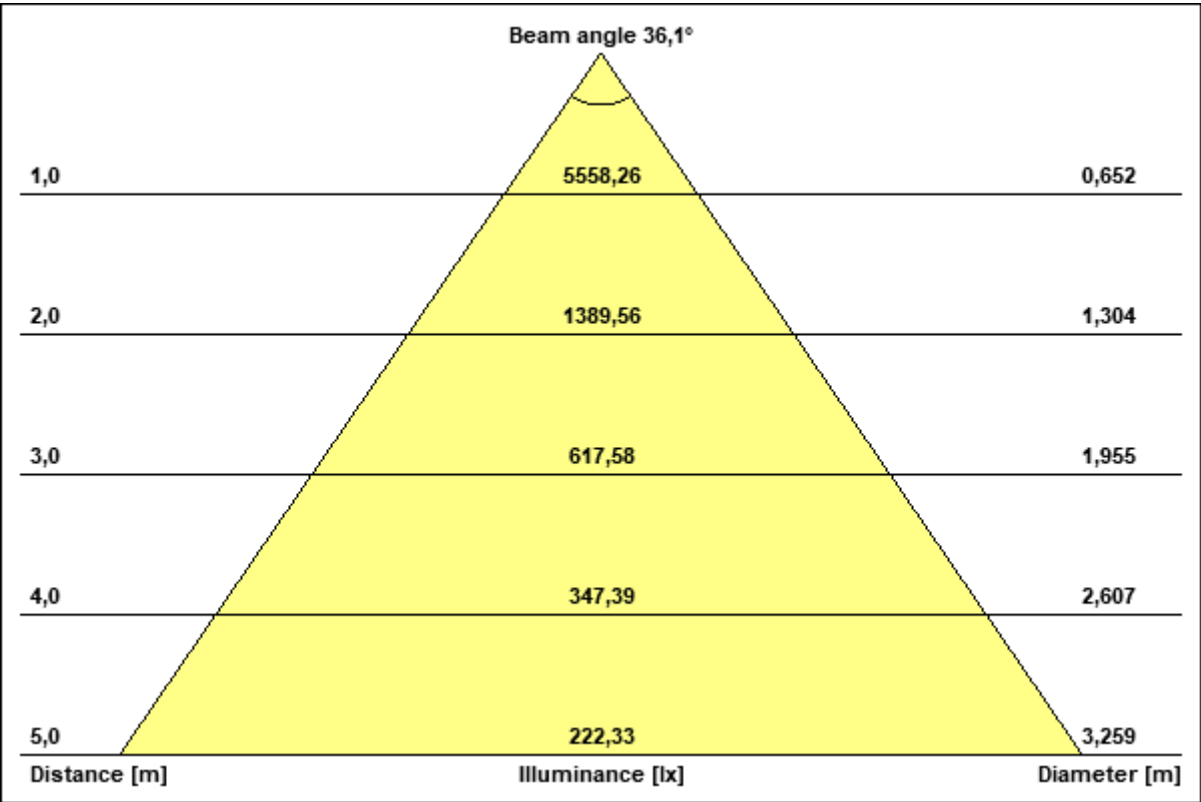
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Stabilization

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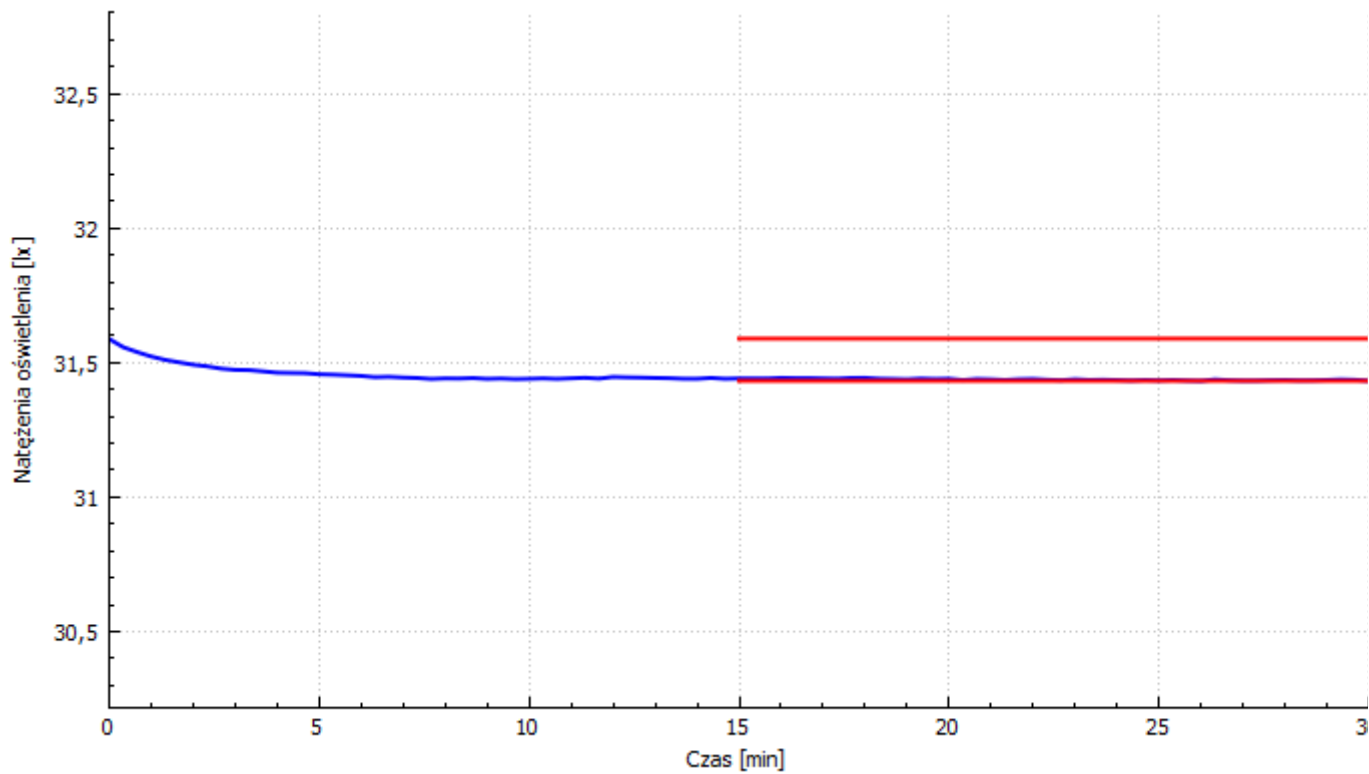
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3D Chart

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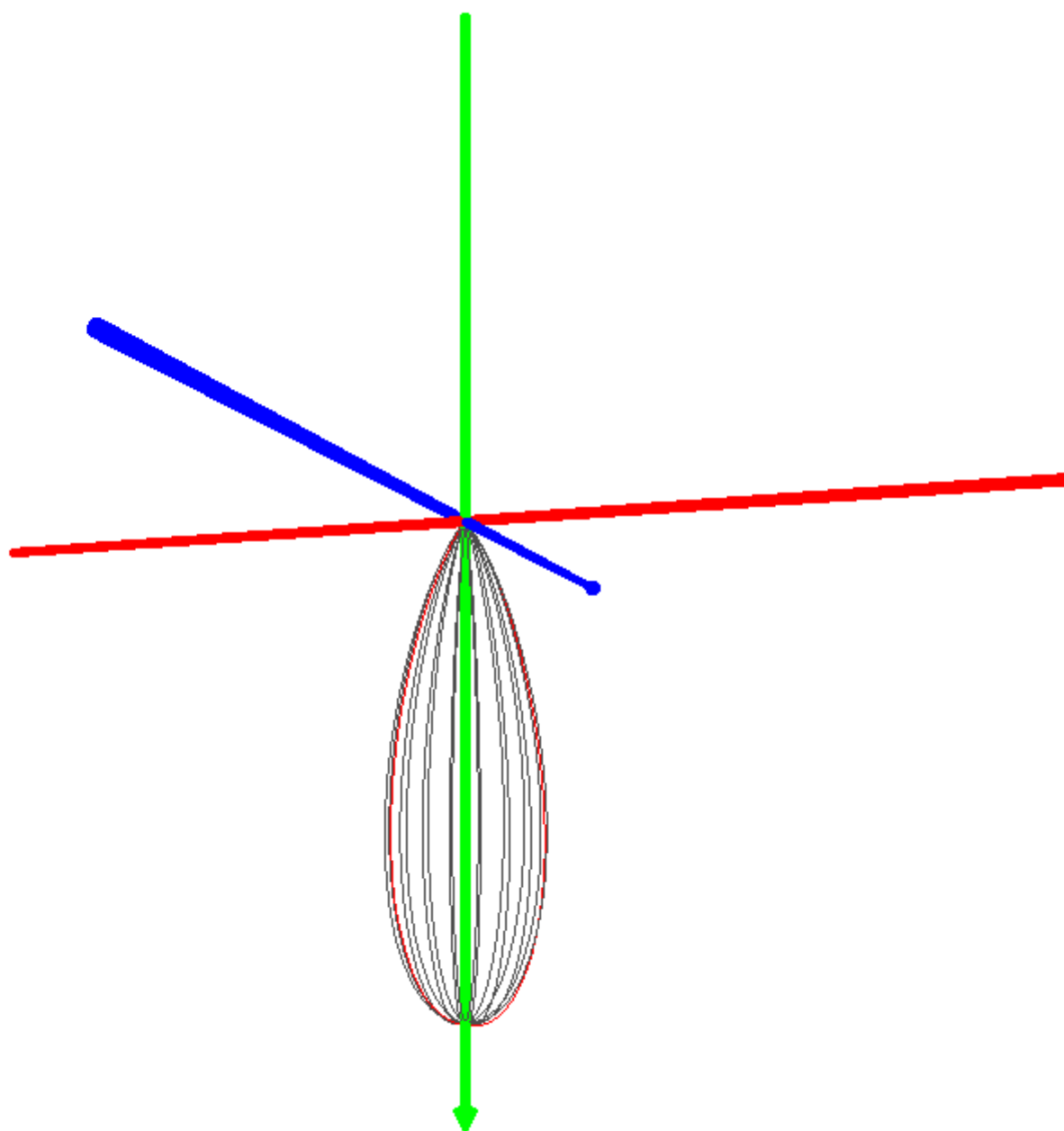
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

I(%f)

Ext
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| | | | P(%f) |
|----|----------|---------|-----------|
| 0 | 0 | 0,313 | -3,11e-06 |
| 1 | 100,000 | 100,000 | 100,000 |
| 2 | 0,00709 | 0,230 | -5,01e-06 |
| 3 | 0,00356 | 10,682 | 0,000385 |
| 4 | 0,00273 | 0,238 | 1,26e-06 |
| 5 | 0,00553 | 7,798 | 0,000406 |
| 6 | 0,00123 | 0,207 | 2,41e-07 |
| 7 | 0,00274 | 5,817 | 0,000243 |
| 8 | 0,00119 | 0,206 | 3,86e-07 |
| 9 | 0,00475 | 4,444 | 5,88e-05 |
| 10 | 0 | 0,198 | 3,18e-07 |
| 11 | 0,00744 | 3,241 | 2,71e-05 |
| 12 | 0,000886 | 0,185 | 0 |
| 13 | 0,00413 | 1,542 | 1,49e-05 |
| 14 | 0 | 0,220 | 0 |
| 15 | 0,00383 | 2,660 | 9,51e-05 |
| 16 | 0 | 0,177 | 0 |
| 17 | 0,00117 | 0,827 | 5,45e-06 |
| 18 | 0,000953 | 0,235 | 4,39e-07 |
| 19 | 0,00315 | 2,072 | 3,17e-05 |
| 20 | 0,000915 | 0,257 | 0 |
| 21 | 0,0011 | 0,888 | 1,81e-05 |

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| | | | |
|----|----------|-------|-----------|
| 22 | 0 | 0,228 | 0 |
| 23 | 0,0048 | 0,880 | 2,19e-05 |
| 24 | 0 | 0,240 | 0 |
| 25 | 0,00238 | 1,656 | 2,71e-06 |
| 26 | 0 | 0,232 | -2,92e-07 |
| 27 | 0,00385 | 0,269 | -6,62e-06 |
| 28 | 0,000841 | 0,187 | -3,18e-07 |
| 29 | 0,004 | 1,068 | -2,28e-05 |
| 30 | 0,000967 | 0,225 | 8,43e-07 |
| 31 | 0,00538 | 0,679 | -7,02e-06 |
| 32 | 0,00156 | 0,194 | 5,41e-07 |
| 33 | 0,00591 | 1,232 | -1,54e-05 |
| 34 | 0,00215 | 0,196 | 3,53e-07 |
| 35 | 0,00562 | 1,218 | -5,4e-06 |
| 36 | 0,00161 | 0,224 | 7,47e-07 |
| 37 | 0,00614 | 1,122 | -1,85e-05 |
| 38 | 0,00119 | 0,234 | -1,15e-07 |
| 39 | 0,00951 | 1,736 | -1,93e-05 |
| 40 | 0 | 0,223 | 9,13e-07 |
| 41 | 0,00951 | 0,988 | 6,32e-06 |
| 42 | 0,0015 | 0,248 | 7,24e-08 |
| 43 | 0,0115 | 1,585 | 3,03e-05 |
| 44 | 0,00221 | 0,241 | -1,2e-07 |
| 45 | 0,00922 | 1,520 | 4,33e-05 |
| 46 | 0,00181 | 0,213 | -2,18e-07 |
| 47 | 0,008 | 1,510 | 3,71e-05 |
| 48 | 0,00154 | 0,227 | 5,51e-07 |
| 49 | 0,00757 | 1,331 | 1,28e-05 |
| 50 | 0,00169 | 0,243 | 1,56e-07 |

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