

# GL GONIOSPECTROMETER MEASUREMENT TAG LIST

## Report Wizard Sample Description Lines

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Client name: *Azzardo Lighting*

Model name: *Alfa Niko 2 Track Magnetic 2x12W CCT Switch*

Item No: *AZ6253*

Serial No.:

Made by: *A. Nawrot*

## Eulumdat Fields

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### Dimensions of luminaire

Company: *Azzardo*

Report number: *AZ6253\_6000*

LuminaireName: *Alfa Niko 2 Track Magnetic 2Line 2x12W CCT Switch*

LuminaireNumber: *AZ6253*

FileName: *AZ6253\_6000.ldt*

Date: *2024-09-24*

### Dimensions of luminaire

Length: *145 mm*

Width: *0 mm*

Height: *200 mm*

### Dimensions of luminous area

Length: *135 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*

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Type of lamps: *LED*  
Total luminous flux: *1166,02 lm*  
Color temperatur: *6766 K*  
Color rendering index: *90,72*  
Wattage including ballast: *20,20 W*

### Utilization factors:

|          |              |
|----------|--------------|
| k = 0.60 | <i>0,703</i> |
| k = 0.80 | <i>0,750</i> |
| k = 1.00 | <i>0,800</i> |
| k = 1.25 | <i>0,837</i> |
| k = 1.50 | <i>0,866</i> |
| k = 2.00 | <i>0,918</i> |
| k = 2.50 | <i>0,927</i> |
| k = 3.00 | <i>0,941</i> |
| k = 4.00 | <i>0,961</i> |
| k = 5.00 | <i>0,975</i> |

### Electrical parameters

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|                     |                    |
|---------------------|--------------------|
| <i>U</i>            | <i>= 229,633 V</i> |
| <i>I</i>            | <i>= 0,100 A</i>   |
| <i>P</i>            | <i>= 20,202 W</i>  |
| <i>Power factor</i> | <i>= 0,789</i>     |

|                          |                     |
|--------------------------|---------------------|
| <i>Power apparent</i>    | <i>= 23,067 VA</i>  |
| <i>Power Reactive</i>    | <i>= -7,917 var</i> |
| <i>Frequency Voltage</i> | <i>= 50,004 Hz</i>  |
| <i>THD</i>               | <i>= 57,230 %</i>   |

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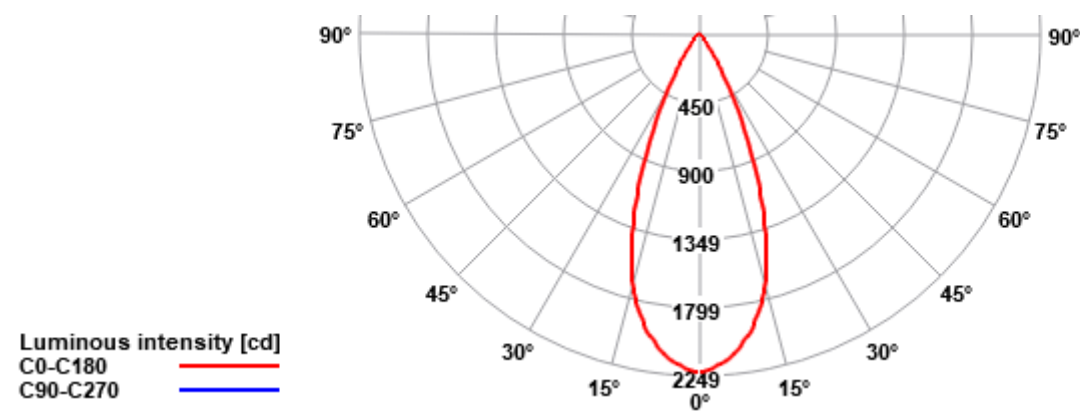
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Temperature = 25 C

Goniometric measurement results

|                                      |            |
|--------------------------------------|------------|
| Total flux (utilized luminarie flux) | 1166,02 lm |
| Flux in lower hemisphere             | 100,00 %   |
| Flux in upper hemisphere             | 0,00 %     |
| Maximum luminous intensity           | 2226,89 cd |
| Light output ratio (LOR)             | 100,00 %   |
| Luminous efficacy                    | 57,72 lm/W |

Light intensity distribution diagram



CIE 1931 diagram

|                           |        |
|---------------------------|--------|
| x                         | 0,3085 |
| y                         | 0,3262 |
| Angular Colour Uniformity | 0,0069 |

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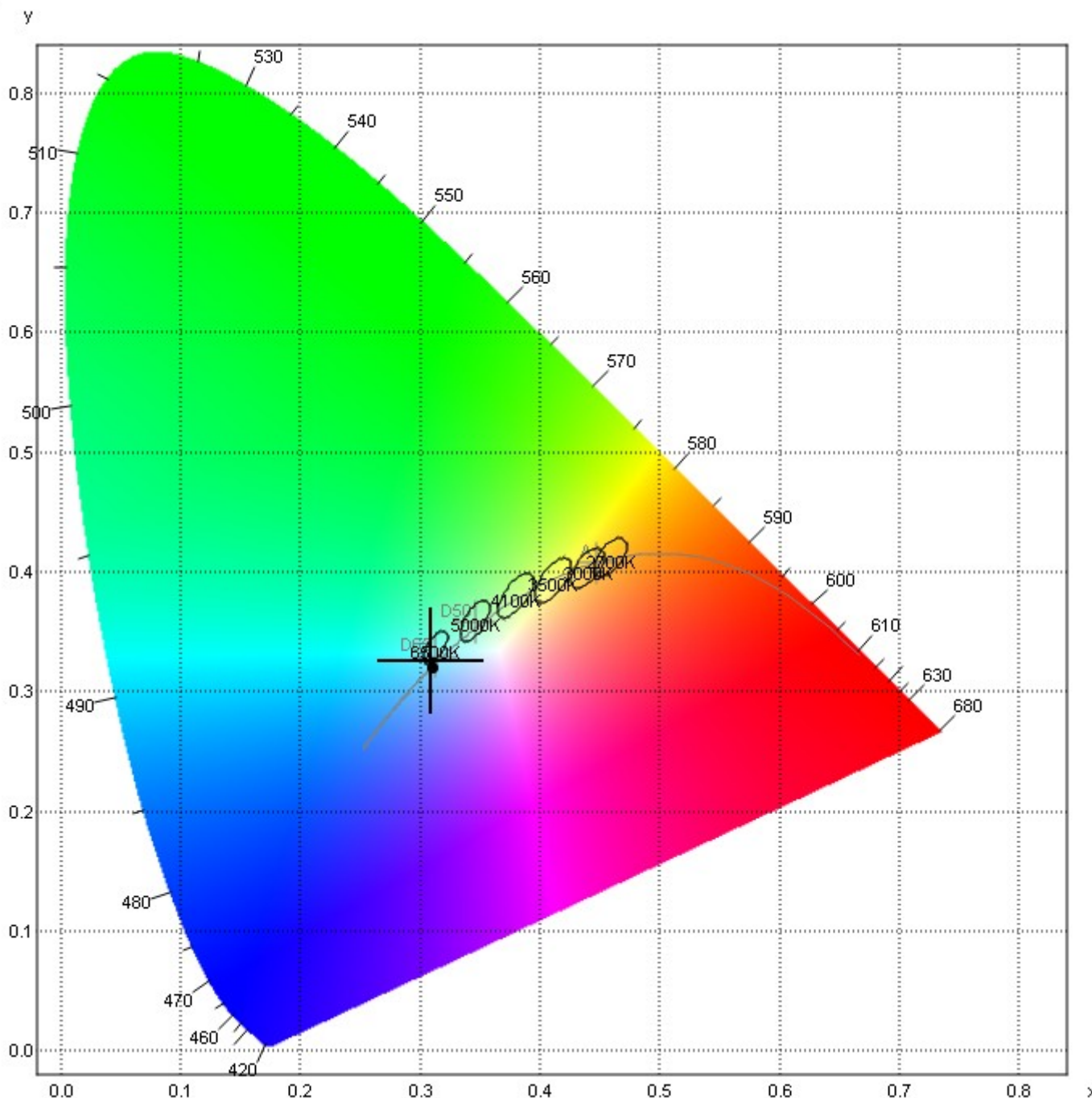
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## Beam cone

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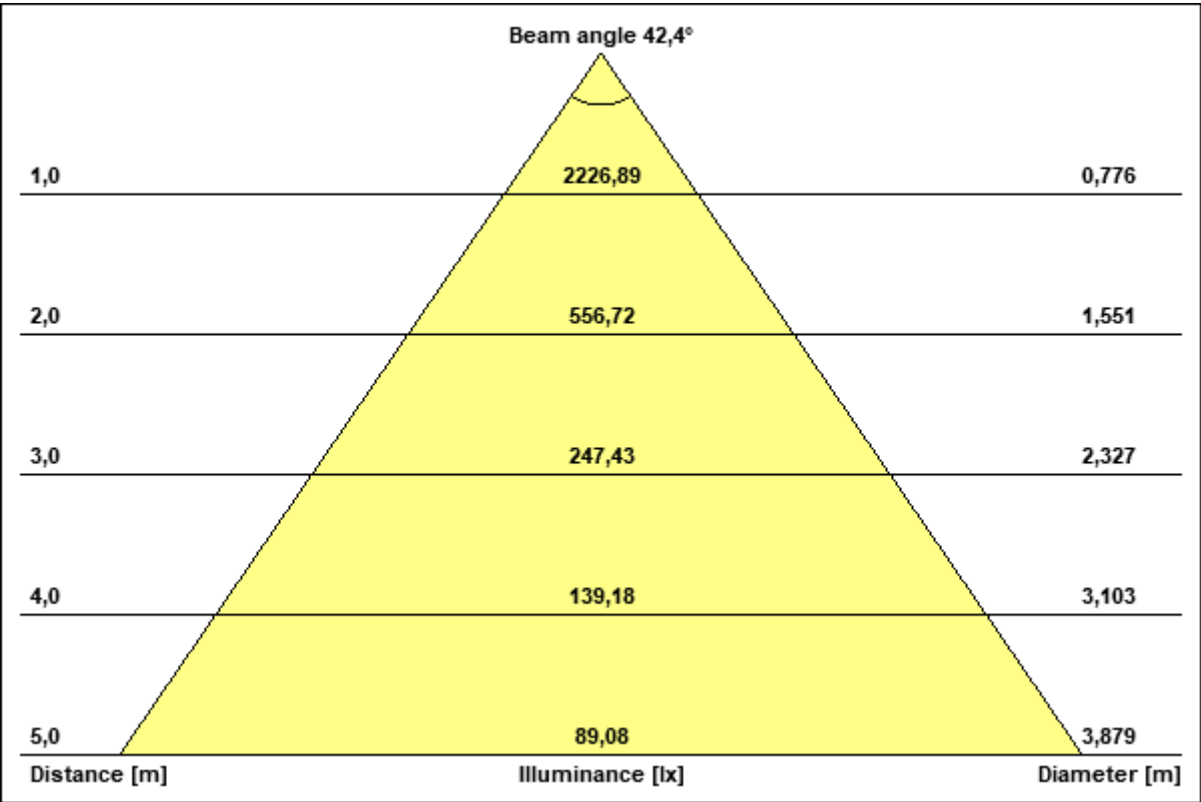
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Stabilization

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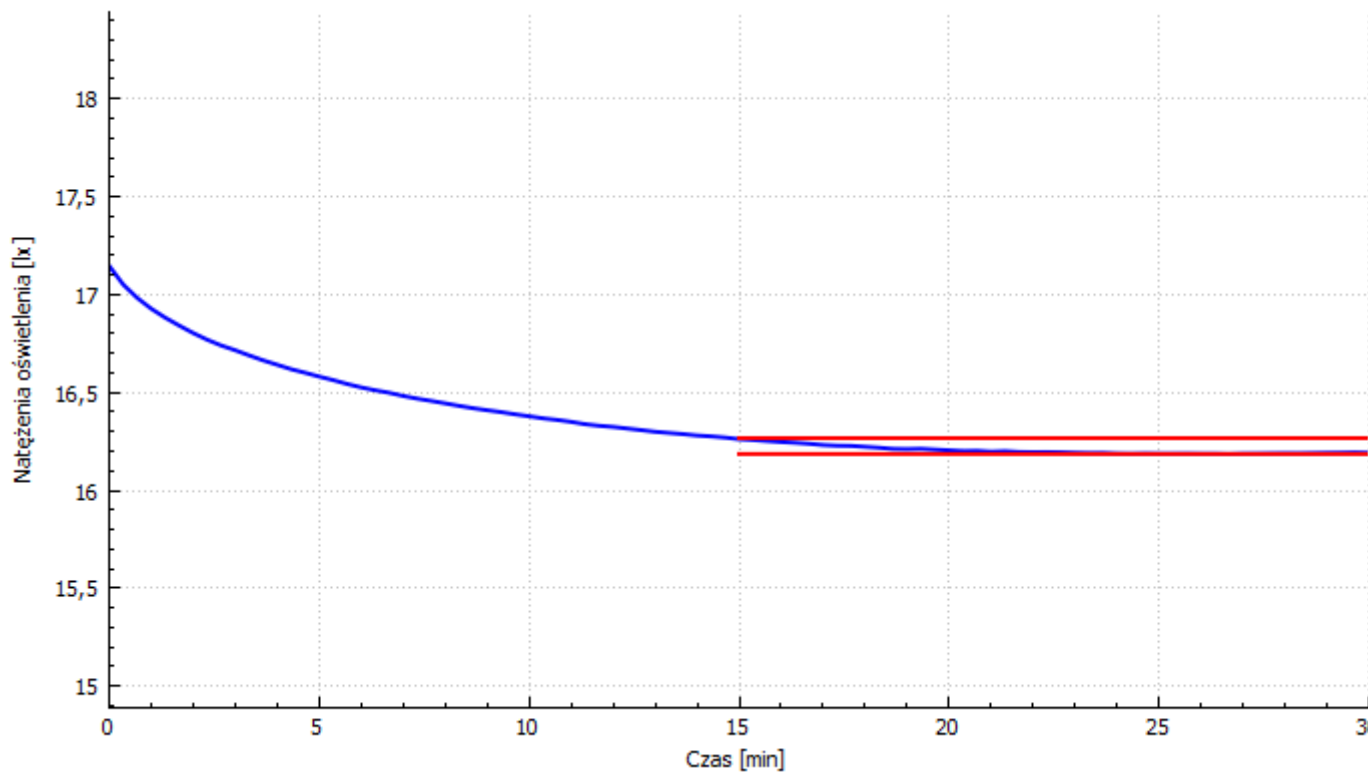
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### 3D Chart

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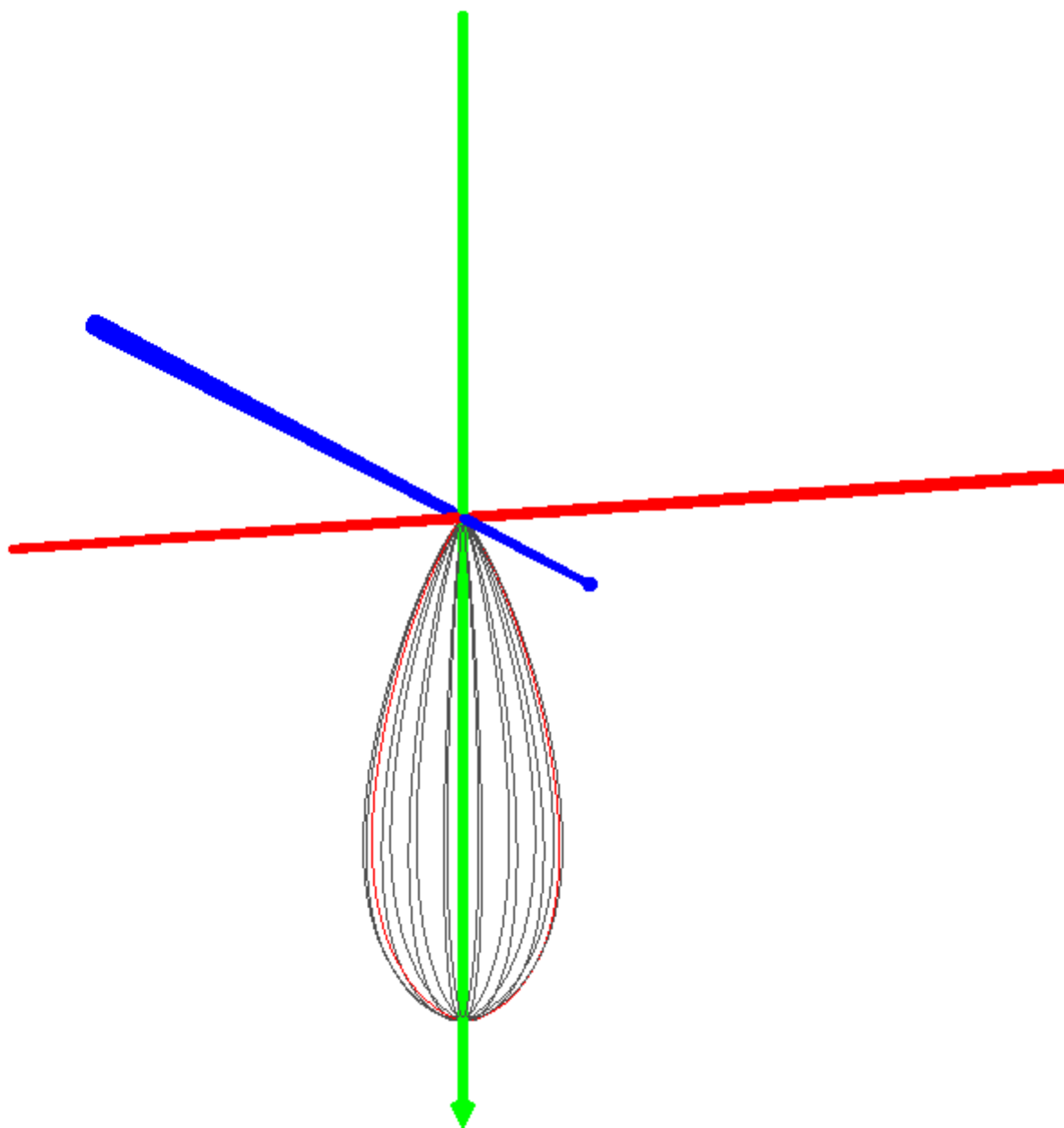
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## Legend

- C0-C180

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- C90-C270  
- G0-G180

U(%f)

I(%f)

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

| U(%f) |         |         | I(%f)     | P(%f) |
|-------|---------|---------|-----------|-------|
|       |         |         |           |       |
| 0     | 0       | 0,255   | 0         |       |
| 1     | 100,000 | 100,000 | 100,000   |       |
| 2     | 0,00339 | 0,486   | -7,12e-06 |       |
| 3     | 0,00651 | 16,319  | 0,000729  |       |
| 4     | 0,00175 | 0,276   | -4,92e-07 |       |
| 5     | 0,00368 | 11,461  | 0,000605  |       |
| 6     | 0,00107 | 0,196   | -4,5e-07  |       |
| 7     | 0,00384 | 7,266   | 0,000318  |       |
| 8     | 0       | 0,189   | 2,65e-07  |       |
| 9     | 0,00491 | 4,198   | 0,000124  |       |
| 10    | 0       | 0,194   | -4,05e-07 |       |
| 11    | 0,00757 | 3,956   | 0,000207  |       |
| 12    | 0       | 0,234   | 0         |       |
| 13    | 0,00407 | 2,119   | 5,51e-05  |       |
| 14    | 0       | 0,239   | 7,27e-07  |       |
| 15    | 0,00557 | 3,849   | 8,87e-05  |       |
| 16    | 0       | 0,162   | -1,22e-06 |       |
| 17    | 0,00185 | 1,652   | 2,26e-05  |       |
| 18    | 0       | 0,159   | 1,53e-07  |       |
| 19    | 0,00146 | 1,858   | 4,78e-05  |       |
| 20    | 0       | 0,238   | -1,79e-06 |       |
| 21    | 0,00299 | 2,039   | -3,48e-05 |       |

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|    |          |       |           |
|----|----------|-------|-----------|
| 22 | 0        | 0,242 | 0         |
| 23 | 0        | 0,846 | 6,76e-07  |
| 24 | 0        | 0,143 | -6,36e-07 |
| 25 | 0,0046   | 2,562 | 1,64e-05  |
| 26 | 0,000868 | 0,131 | -1,22e-06 |
| 27 | 0,00479  | 1,701 | -3,32e-05 |
| 28 | 0,000983 | 0,164 | -7,82e-07 |
| 29 | 0,00595  | 2,342 | -3,09e-05 |
| 30 | 0        | 0,170 | -1,57e-06 |
| 31 | 0,00994  | 2,291 | -4,07e-05 |
| 32 | 0        | 0,163 | -1,66e-06 |
| 33 | 0,0107   | 2,265 | -1,06e-06 |
| 34 | 0        | 0,159 | -3,22e-07 |
| 35 | 0,0103   | 2,661 | 2,93e-05  |
| 36 | 0,00106  | 0,143 | -6,12e-07 |
| 37 | 0,007    | 1,581 | 2,36e-05  |
| 38 | 0,00122  | 0,215 | -2,9e-07  |
| 39 | 0,0105   | 2,339 | 1,69e-05  |
| 40 | 0,00145  | 0,216 | 6,46e-07  |
| 41 | 0,0107   | 1,800 | 6,12e-05  |
| 42 | 0,000858 | 0,151 | -3,72e-07 |
| 43 | 0,0102   | 1,865 | 7,31e-05  |
| 44 | 0        | 0,108 | -4,17e-07 |
| 45 | 0,00532  | 1,699 | 3,43e-05  |
| 46 | 0        | 0,182 | -4,08e-07 |
| 47 | 0,00354  | 1,166 | -2,08e-06 |
| 48 | 0,00138  | 0,274 | -7,43e-07 |
| 49 | 0,00363  | 1,496 | -1,25e-05 |
| 50 | 0,00197  | 0,240 | 3,25e-06  |

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