

# 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\_3000*

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

LuminaireNumber: *AZ6253*

FileName: *AZ6253\_3000.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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Tel.: +48 61 819 40 03

SWIFT BIC: RCBWPLPW

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Type of lamps: *LED*  
Total luminous flux: *857,42 lm*  
Color temperatur: *2842 K*  
Color rendering index: *88,25*  
Wattage including ballast: *20,17 W*

### Utilization factors:

|          |              |
|----------|--------------|
| k = 0.60 | <i>0,702</i> |
| k = 0.80 | <i>0,748</i> |
| k = 1.00 | <i>0,799</i> |
| k = 1.25 | <i>0,836</i> |
| k = 1.50 | <i>0,865</i> |
| k = 2.00 | <i>0,917</i> |
| k = 2.50 | <i>0,926</i> |
| k = 3.00 | <i>0,940</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>= 229,629 V</i> |
| <i>I</i>            | <i>= 0,100 A</i>   |
| <i>P</i>            | <i>= 20,165 W</i>  |
| <i>Power factor</i> | <i>= 0,796</i>     |

|                          |                     |
|--------------------------|---------------------|
| <i>Power apparent</i>    | <i>= 23,041 VA</i>  |
| <i>Power Reactive</i>    | <i>= -9,733 var</i> |
| <i>Frequency Voltage</i> | <i>= 50,000 Hz</i>  |
| <i>THD</i>               | <i>= 57,602 %</i>   |

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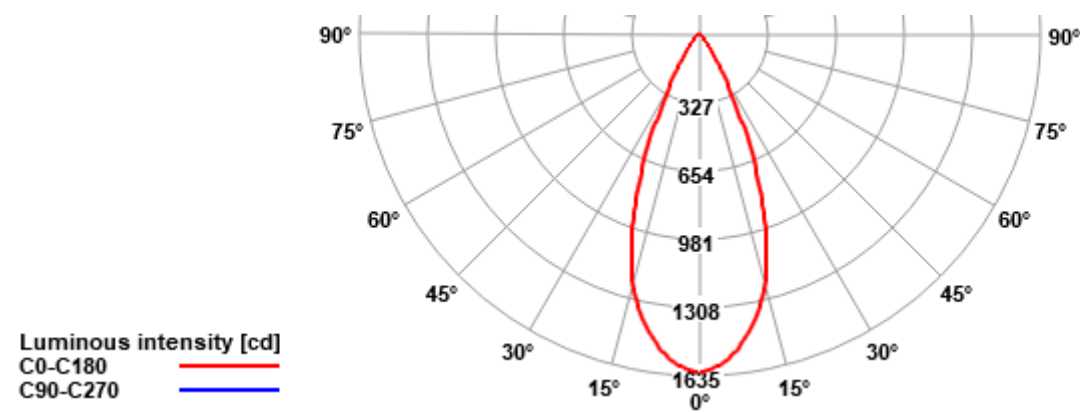
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Temperature = 25 C

Goniometric measurement results

|                                      |            |
|--------------------------------------|------------|
| Total flux (utilized luminarie flux) | 857,42 lm  |
| Flux in lower hemisphere             | 100,00 %   |
| Flux in upper hemisphere             | 0,00 %     |
| Maximum luminous intensity           | 1618,41 cd |
| Light output ratio (LOR)             | 100,00 %   |
| Luminous efficacy                    | 42,51 lm/W |

Light intensity distribution diagram



CIE 1931 diagram

|                           |        |
|---------------------------|--------|
| x                         | 0,4427 |
| y                         | 0,3964 |
| Angular Colour Uniformity | 0,0039 |

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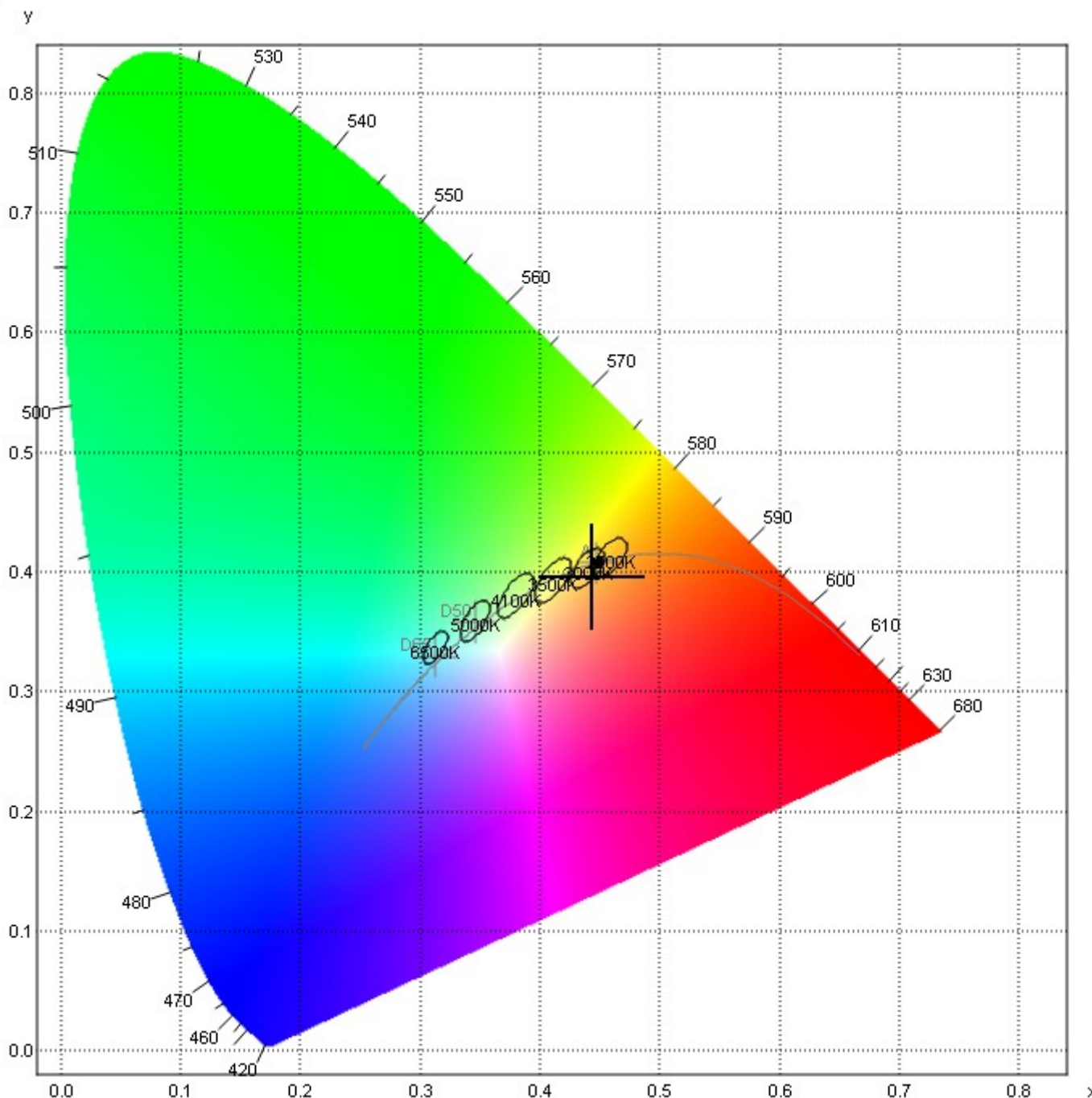
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## Beam cone

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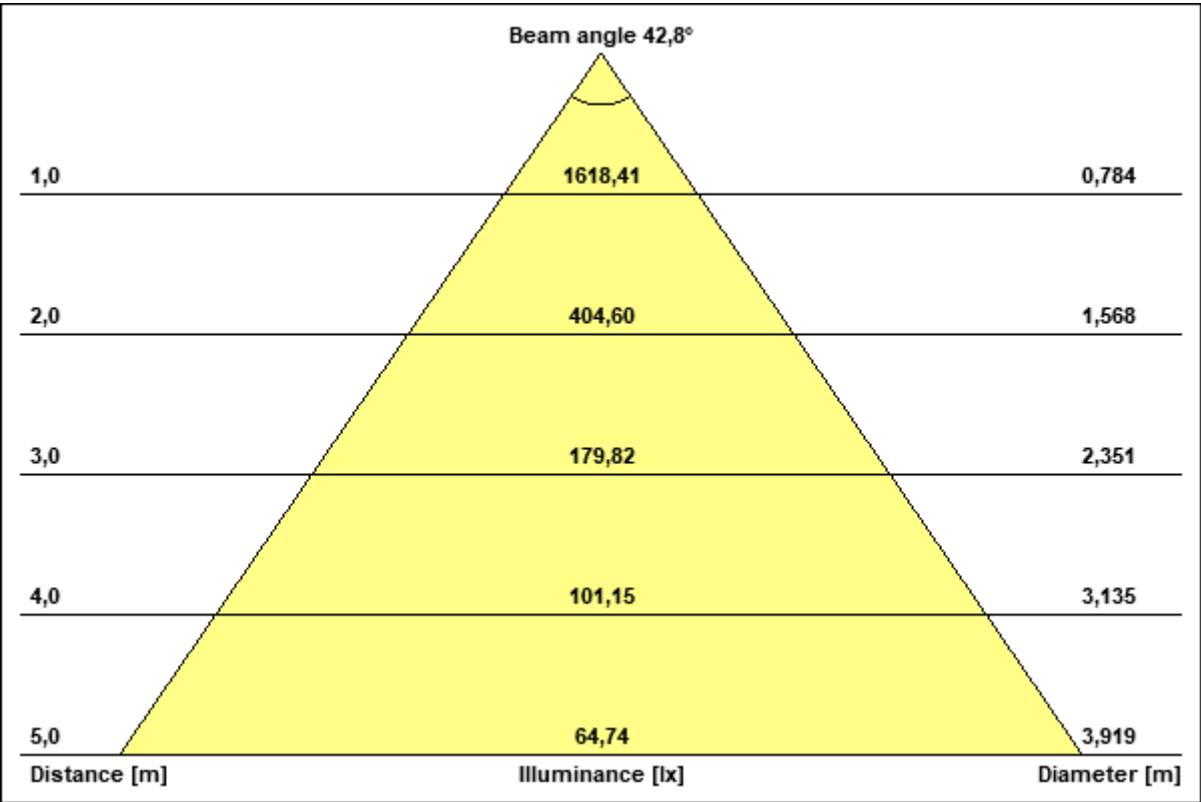
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Stabilization

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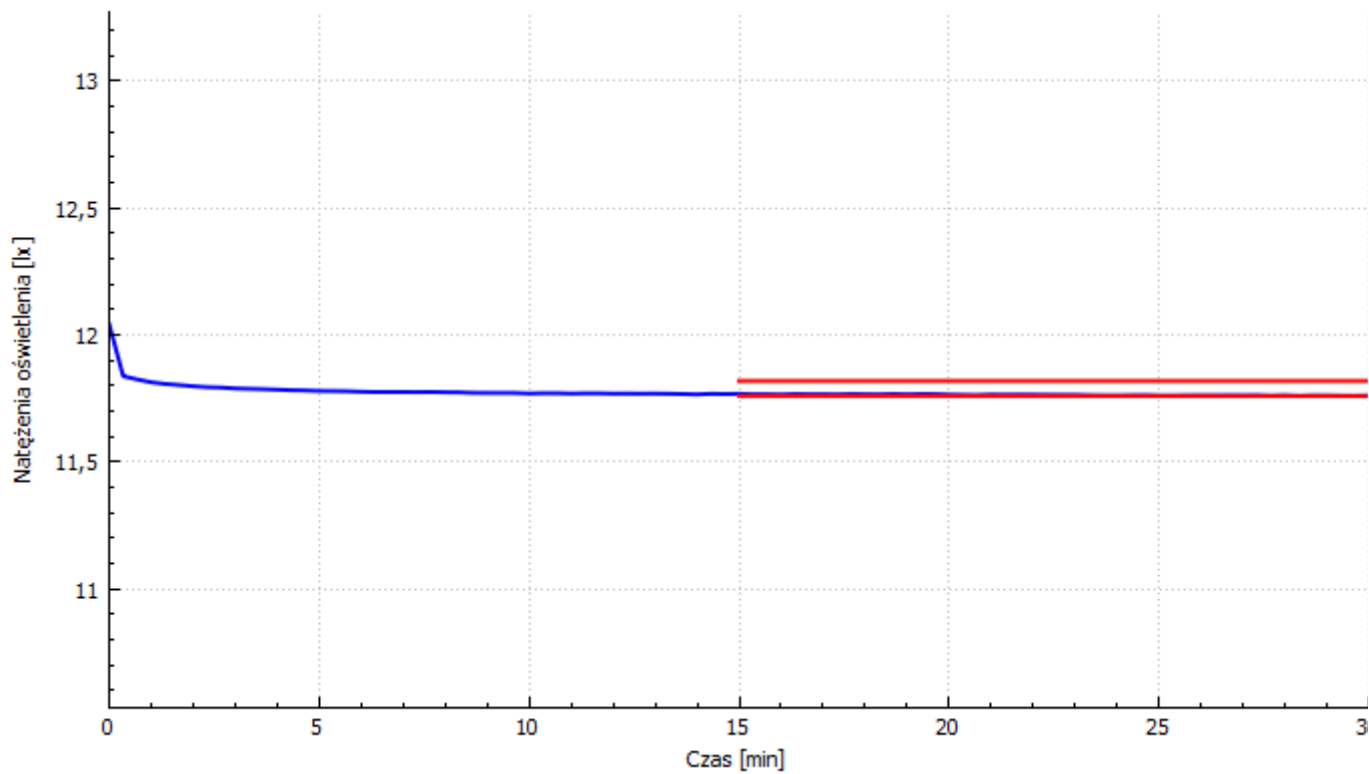
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### 3D Chart

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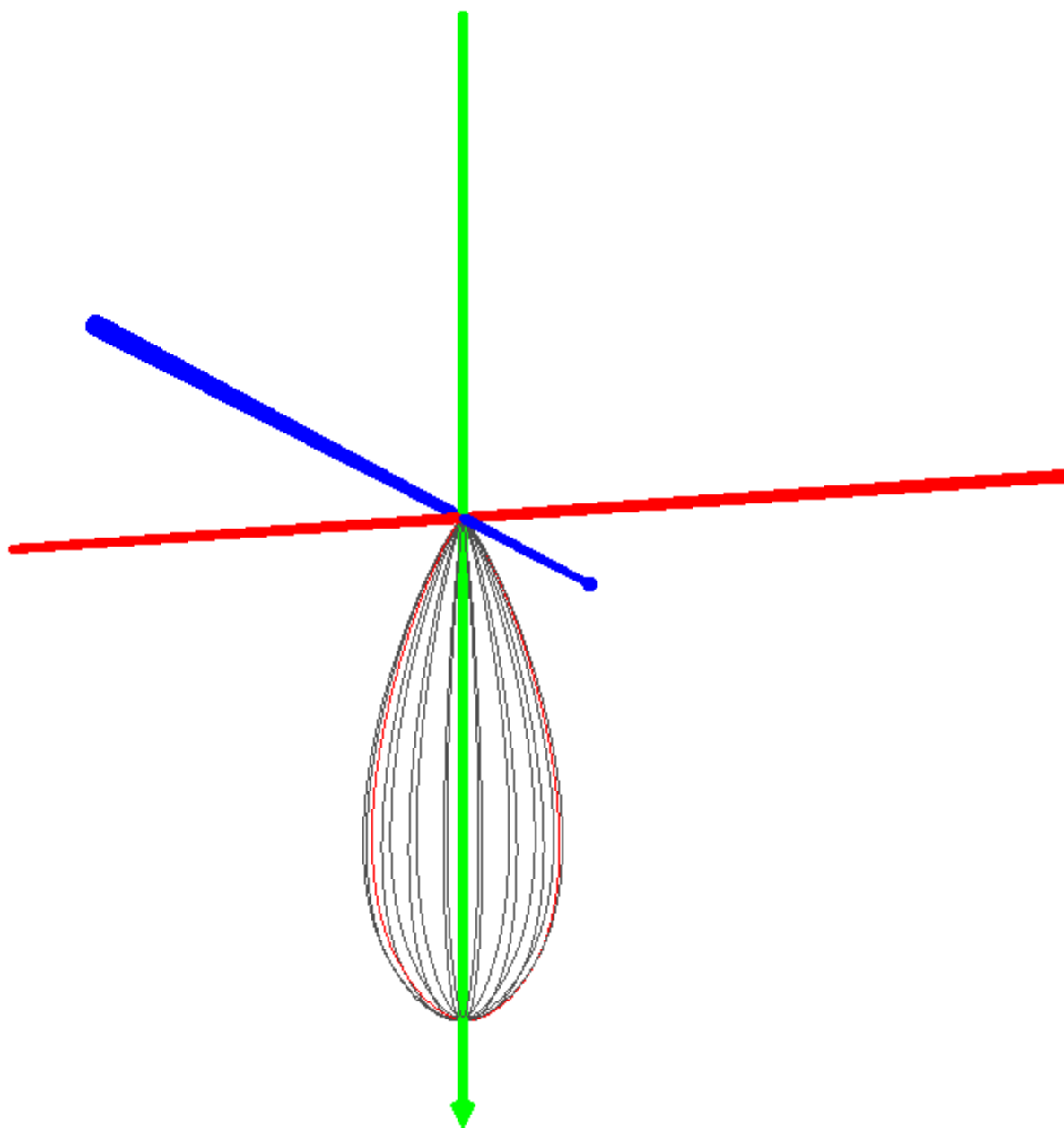
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## Legend

- 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        | 0,278   | 0         |       |
| 1     | 100,000  | 100,000 | 100,000   |       |
| 2     | 0,00465  | 0,342   | 2,53e-06  |       |
| 3     | 0,00845  | 16,606  | 0,000468  |       |
| 4     | 0,00234  | 0,158   | 3,43e-06  |       |
| 5     | 0,00308  | 11,709  | 0,000392  |       |
| 6     | 0,00121  | 0,156   | 4,64e-06  |       |
| 7     | 0,004    | 7,542   | 0,000157  |       |
| 8     | 0,000919 | 0,174   | 0         |       |
| 9     | 0,0058   | 4,472   | 5,87e-05  |       |
| 10    | 0        | 0,178   | 0         |       |
| 11    | 0,00784  | 4,014   | 0,000146  |       |
| 12    | 0        | 0,155   | 0         |       |
| 13    | 0,00428  | 2,266   | 3,49e-05  |       |
| 14    | 0        | 0,192   | 0         |       |
| 15    | 0,00529  | 3,888   | 2,42e-05  |       |
| 16    | 0,00106  | 0,200   | 5,86e-07  |       |
| 17    | 0,00169  | 1,426   | 1,42e-05  |       |
| 18    | 0        | 0,213   | 2,08e-07  |       |
| 19    | 0,002    | 1,492   | 3,02e-05  |       |
| 20    | 0        | 0,173   | 2,18e-06  |       |
| 21    | 0,00261  | 1,692   | -3,82e-05 |       |

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|    |          |       |           |
|----|----------|-------|-----------|
| 22 | 0        | 0,233 | 1,52e-07  |
| 23 | 0        | 0,758 | 0         |
| 24 | 0        | 0,197 | -1,62e-06 |
| 25 | 0,00463  | 2,505 | 2,78e-05  |
| 26 | 0,000911 | 0,168 | -1,7e-06  |
| 27 | 0,00446  | 1,960 | -1,07e-05 |
| 28 | 0,00095  | 0,166 | 1,55e-09  |
| 29 | 0,00538  | 2,457 | -1,81e-05 |
| 30 | 0,000884 | 0,185 | -1,06e-07 |
| 31 | 0,00981  | 2,615 | -4,3e-06  |
| 32 | 0        | 0,168 | 0         |
| 33 | 0,00998  | 2,607 | 3,36e-05  |
| 34 | 0        | 0,224 | 0         |
| 35 | 0,00908  | 2,854 | 4,34e-05  |
| 36 | 0,00166  | 0,290 | -1,04e-06 |
| 37 | 0,00649  | 1,887 | 4,97e-05  |
| 38 | 0,00143  | 0,162 | -2,97e-06 |
| 39 | 0,0105   | 2,821 | 2,51e-05  |
| 40 | 0,00126  | 0,162 | 9,33e-07  |
| 41 | 0,0101   | 2,142 | 9,01e-05  |
| 42 | 0,0011   | 0,222 | 1,31e-06  |
| 43 | 0,00936  | 2,079 | 8,85e-05  |
| 44 | 0        | 0,216 | 1,57e-06  |
| 45 | 0,00492  | 1,666 | 4,18e-05  |
| 46 | 0,00138  | 0,153 | -2,12e-06 |
| 47 | 0,00324  | 1,198 | 9,19e-06  |
| 48 | 0,00206  | 0,189 | -2,48e-06 |
| 49 | 0,00481  | 1,379 | 2,6e-07   |
| 50 | 0,00182  | 0,126 | -3,99e-07 |

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