

# GL GONIOSPECTROMETER MEASUREMENT TAG LIST

## Report Wizard Sample Description Lines

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Client name: *Azzardo Lighting Company*

Model name: *COLLODI 48 GREY*

Item No: *AZ2717*

Serial No.:

Made by: *Adam Nawrot*

## Eulumdat Fields

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### Dimensions of luminaire

Company: *Azzardo*

Report number: *1*

LuminaireName: *Collodi 48 CCT Ciepła*

LuminaireNumber: *AZ2717*

FileName: *AZ2717.Idt*

Date: *2020-10-20*

### Dimensions of luminaire

Length: *480 mm*

Width: *0 mm*

Height: *70 mm*

### Dimensions of luminous area

Length: *465 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  
Type of lamps: LED  
Total luminous flux: 3125,94 lm  
Color temperatur: 2961.35 K  
Color rendering index: 83,05  
Wattage including ballast: 49,31 W

**Utilization factors:**

|          |       |
|----------|-------|
| k = 0.60 | 0,276 |
| k = 0.80 | 0,358 |
| k = 1.00 | 0,430 |
| k = 1.25 | 0,503 |
| k = 1.50 | 0,559 |
| k = 2.00 | 0,647 |
| k = 2.50 | 0,697 |
| k = 3.00 | 0,737 |
| k = 4.00 | 0,791 |
| k = 5.00 | 0,825 |

**Electrical parameters**

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$U$  = 229,607 V  
 $I$  = 0,218 A  
 $P$  = 49,307 W  
Power factor = 0,985

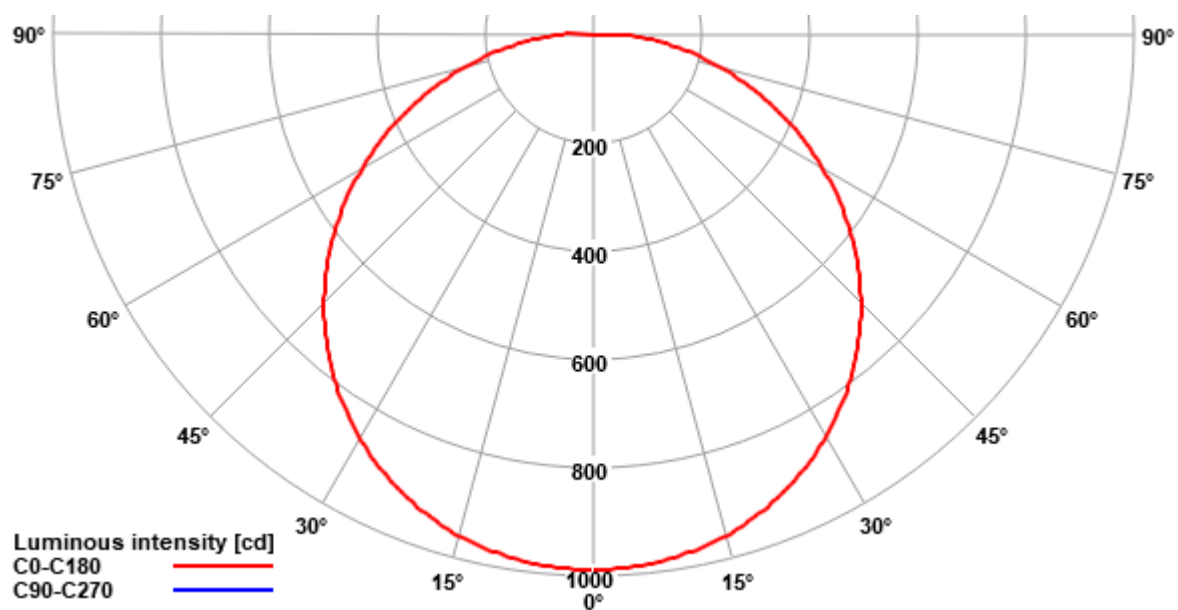
Power apparent = 50,076 VA  
Power Reactive = -8,772 var  
Frequency Voltage = 50,002 Hz  
THD = 8,318 %

Temperature = 22 C

## Goniometric measurement results

|                                      |            |
|--------------------------------------|------------|
| Total flux (utilized luminarie flux) | 3125,94 lm |
| Flux in lower hemisphere             | 100,00 %   |
| Flux in upper hemisphere             | 0,00 %     |
| Maximum luminous intensity           | 989,75 cd  |
| Light output ratio (LOR)             | 100,00 %   |
| Luminous efficacy                    | 63,39 lm/W |

## Light intensity distribution diagram



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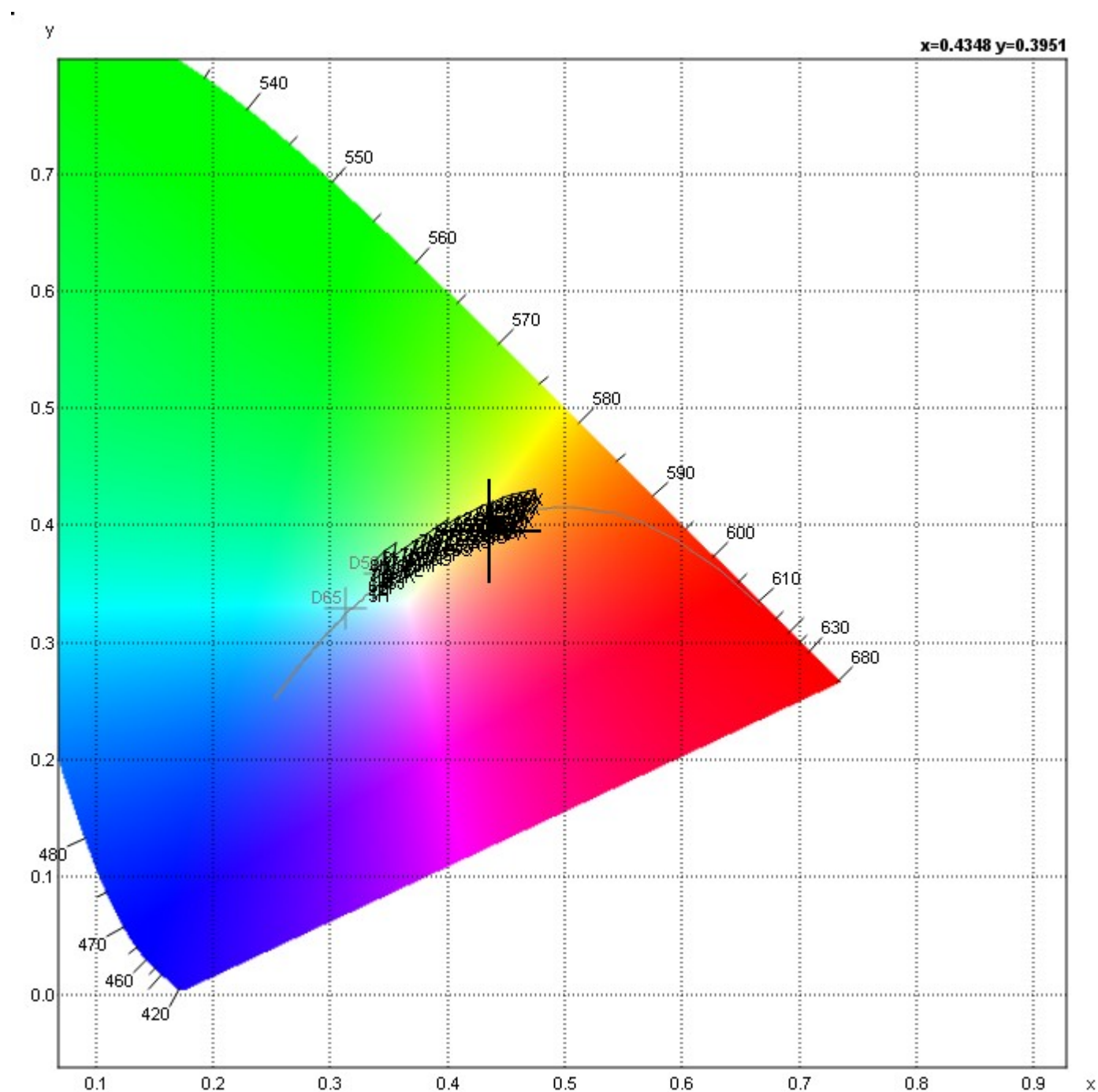
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## CIE 1931 diagram

x 0,4348  
y 0,3951  
Angular Colour Uniformity 0,0038



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## Beam cone

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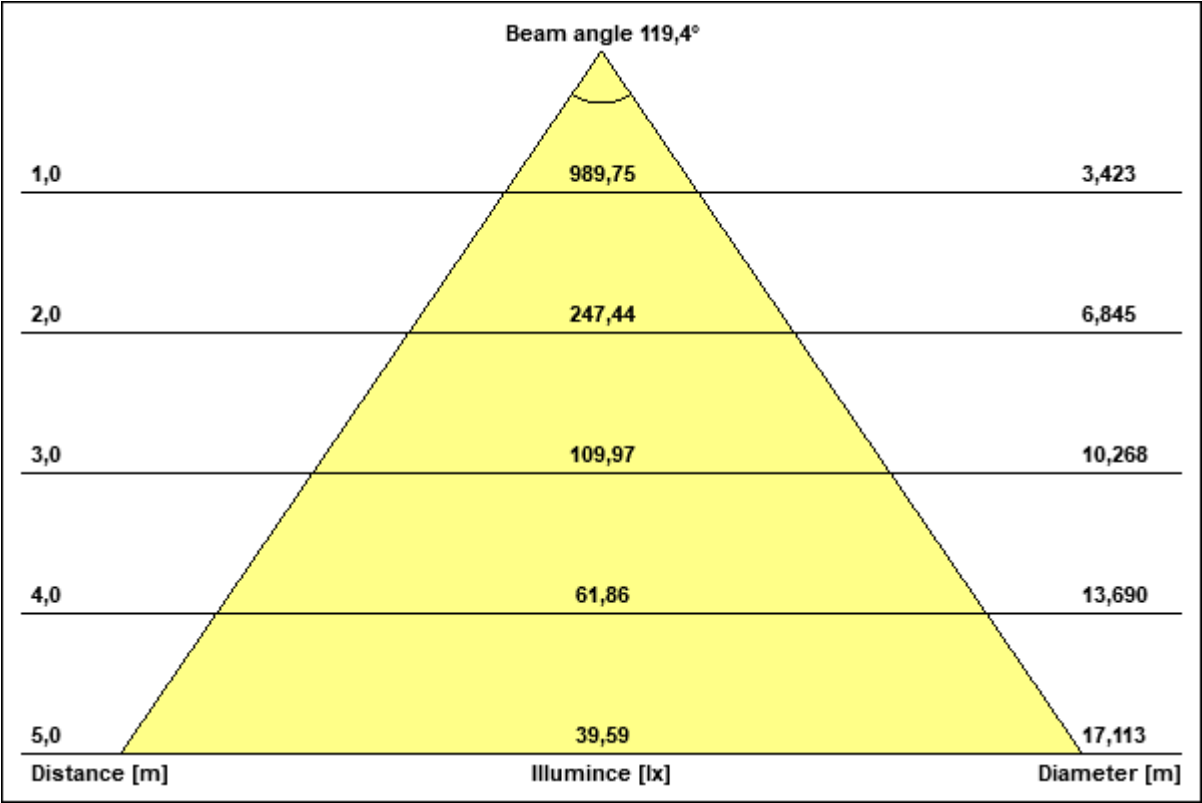
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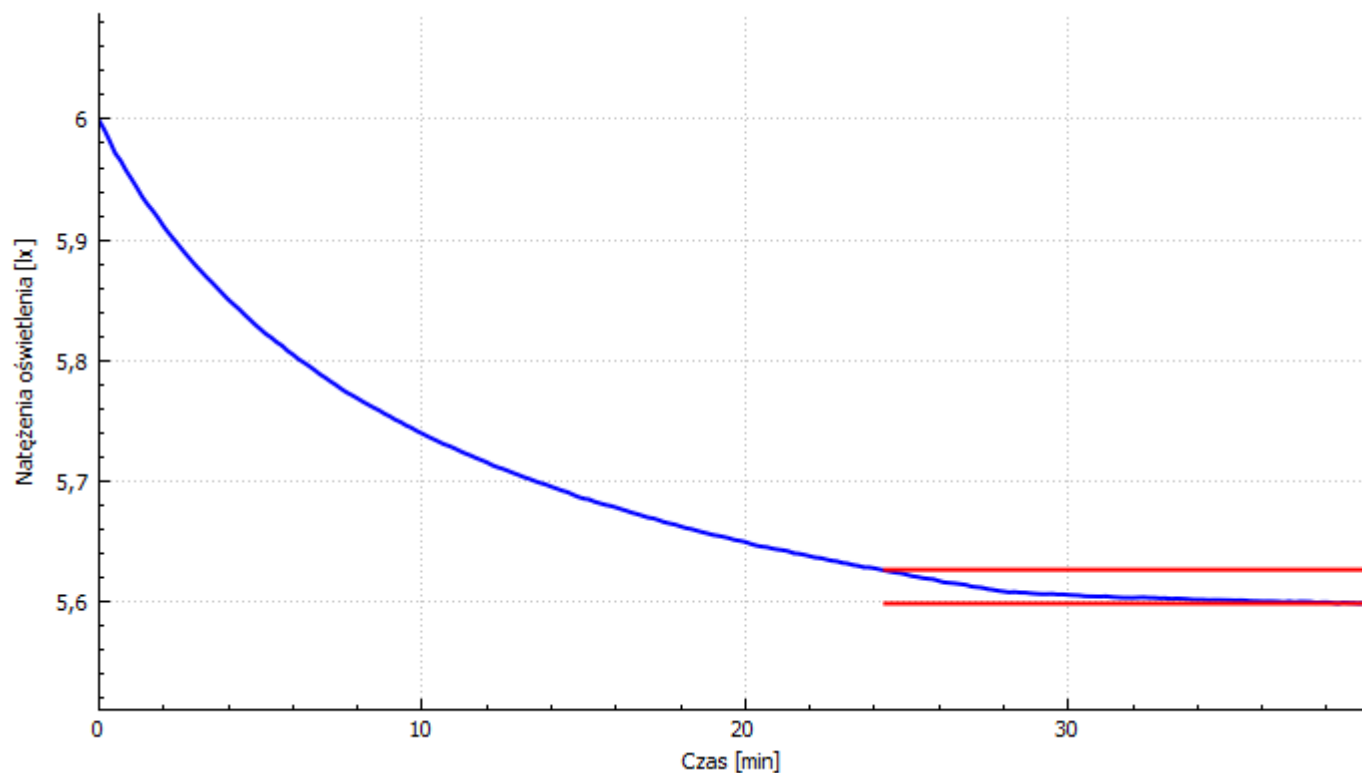
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# Stabilization



### 3D Chart

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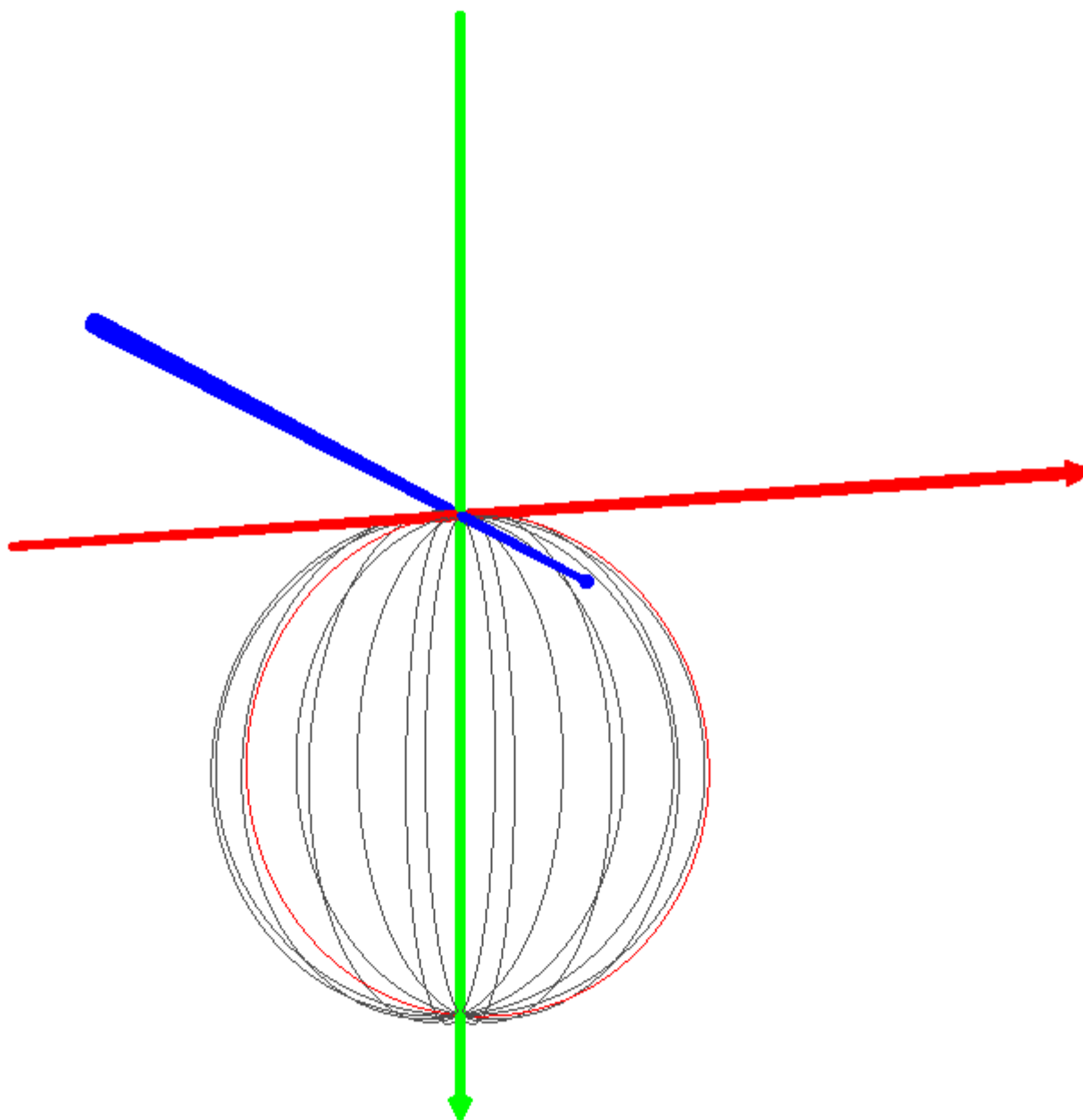
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## Legend

- C0-C180
- C90-C270
- G0-G180

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## Extended electrical report

|    | U(%f)    | I(%f)   | P(%f)     |
|----|----------|---------|-----------|
| 0  | 0,00615  | 0,747   | 4,21e-05  |
| 1  | 100,000  | 100,000 | 100,000   |
| 2  | 0,00435  | 0,661   | -2,8e-05  |
| 3  | 0,0162   | 5,252   | 0,000766  |
| 4  | 0,00501  | 0,646   | 3,12e-05  |
| 5  | 0,00196  | 3,160   | 4,92e-05  |
| 6  | 0        | 0,622   | 0         |
| 7  | 0,0072   | 4,016   | 0,000286  |
| 8  | 0,00172  | 0,579   | 8,16e-06  |
| 9  | 0,00364  | 1,801   | 4,05e-05  |
| 10 | 0,00208  | 0,541   | 9,98e-06  |
| 11 | 0,00686  | 1,927   | 5,6e-05   |
| 12 | 0,000886 | 0,482   | 1,58e-06  |
| 13 | 0,00638  | 1,270   | 4,42e-05  |
| 14 | 0,00191  | 0,434   | 7,03e-06  |
| 15 | 0,00427  | 1,164   | 2,51e-05  |
| 16 | 0,000845 | 0,373   | 1,89e-06  |
| 17 | 0,00322  | 0,998   | 2,36e-05  |
| 18 | 0,00168  | 0,322   | 4,49e-06  |
| 19 | 0        | 0       | 0         |
| 20 | 0        | 0,269   | 0         |
| 21 | 0        | 0,367   | 0         |
| 22 | 0,00172  | 0,234   | 3,57e-06  |
| 23 | 0,0024   | 0,411   | 8,35e-06  |
| 24 | 0        | 0,189   | 0         |
| 25 | 0        | 0,191   | 0         |
| 26 | 0,00123  | 0,175   | 2,56e-06  |
| 27 | 0,00284  | 0,576   | -1,67e-06 |
| 28 | 0        | 0,157   | 0         |
| 29 | 0,00217  | 0,321   | 2,54e-06  |
| 30 | 0,00131  | 0,164   | 1,96e-06  |
| 31 | 0,00216  | 0,425   | -2,51e-06 |
| 32 | 0        | 0,154   | 0         |
| 33 | 0,00241  | 0,394   | 1,89e-06  |
| 34 | 0,00197  | 0,164   | 1,75e-06  |
| 35 | 0,00136  | 0,106   | 1,72e-06  |
| 36 | 0,00106  | 0,152   | -8,45e-07 |
| 37 | 0,00231  | 0,329   | 5,69e-06  |
| 38 | 0,00183  | 0,160   | 2,86e-06  |
| 39 | 0        | 0,219   | 0         |
| 40 | 0        | 0,144   | 0         |
| 41 | 0,00168  | 0,151   | -1,77e-06 |
| 42 | 0,00166  | 0,147   | 1,84e-06  |

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|    |         |       |           |
|----|---------|-------|-----------|
| 43 | 0,00261 | 0,366 | 1,78e-06  |
| 44 | 0,00114 | 0,128 | -1,02e-06 |
| 45 | 0       | 0,133 | 0         |
| 46 | 0,00166 | 0,130 | 2,15e-06  |
| 47 | 0,00116 | 0,258 | 9,67e-07  |
| 48 | 0,00126 | 0,115 | -9,62e-07 |
| 49 | 0,00111 | 0,262 | 2,33e-07  |
| 50 | 0,00161 | 0,125 | 1,99e-06  |