

# GL GONIOSPECTROMETER MEASUREMENT TAG LIST

## Report Wizard Sample Description Lines

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Client name: *Azzardo Lighting*  
Model name: *Solvent R45 CCT*  
Item No: *AZ3437*  
Serial No.:  
Made by: *A. Nawrot*

## Eulumdat Fields

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### Dimensions of luminaire

Company: *Azzardo*  
Report number: *AZ3437\_3000*  
LuminaireName: *Solvent R60 Remote CCT*  
LuminaireNumber: *AZ3437\_3000*  
FileName: *AZ3437\_3000.ldt*  
Date: *2024-08-13*

### Dimensions of luminaire

Length: *450 mm*  
Width: *0 mm*  
Height: *1000 mm*

### Dimensions of luminous area

Length: *445 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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SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

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Type of lamps: *LED*  
Total luminous flux: *2393,15 lm*  
Color temperatur: *2862 K*  
Color rendering index: *81,68*  
Wattage including ballast: *36,70 W*

### Utilization factors:

|          |              |
|----------|--------------|
| k = 0.60 | <i>0,223</i> |
| k = 0.80 | <i>0,296</i> |
| k = 1.00 | <i>0,363</i> |
| k = 1.25 | <i>0,432</i> |
| k = 1.50 | <i>0,489</i> |
| k = 2.00 | <i>0,579</i> |
| k = 2.50 | <i>0,636</i> |
| k = 3.00 | <i>0,681</i> |
| k = 4.00 | <i>0,744</i> |
| k = 5.00 | <i>0,785</i> |

### Electrical parameters

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|                     |                    |
|---------------------|--------------------|
| <i>U</i>            | <i>= 229,637 V</i> |
| <i>I</i>            | <i>= 0,167 A</i>   |
| <i>P</i>            | <i>= 36,703 W</i>  |
| <i>Power factor</i> | <i>= 0,956</i>     |

|                          |                      |
|--------------------------|----------------------|
| <i>Power apparent</i>    | <i>= 38,393 VA</i>   |
| <i>Power Reactive</i>    | <i>= -11,241 var</i> |
| <i>Frequency Voltage</i> | <i>= 50,002 Hz</i>   |
| <i>THD</i>               | <i>= 6,507 %</i>     |

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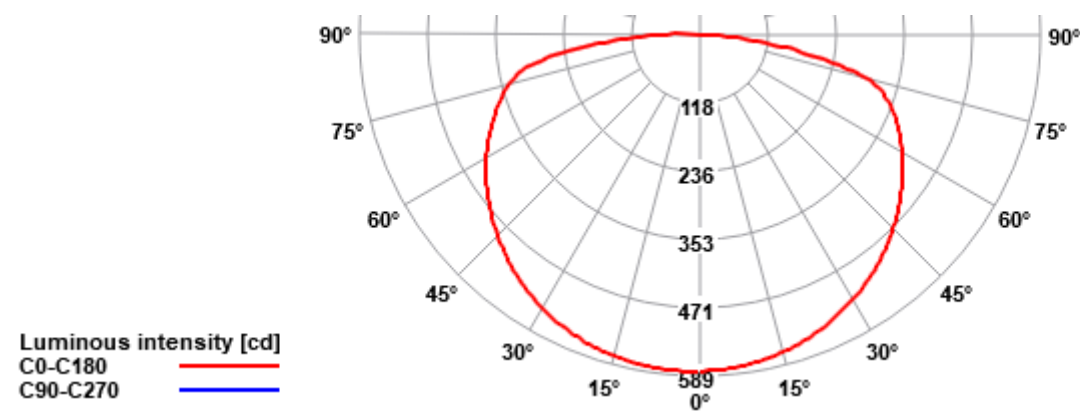
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Temperature = 25 C

Goniometric measurement results

|                                      |            |
|--------------------------------------|------------|
| Total flux (utilized luminarie flux) | 2393,15 lm |
| Flux in lower hemisphere             | 100,00 %   |
| Flux in upper hemisphere             | -0,00 %    |
| Maximum luminous intensity           | 585,62 cd  |
| Light output ratio (LOR)             | 100,00 %   |
| Luminous efficacy                    | 65,21 lm/W |

Light intensity distribution diagram



CIE 1931 diagram

|                           |        |
|---------------------------|--------|
| x                         | 0,4463 |
| y                         | 0,4058 |
| Angular Colour Uniformity | 0,0013 |

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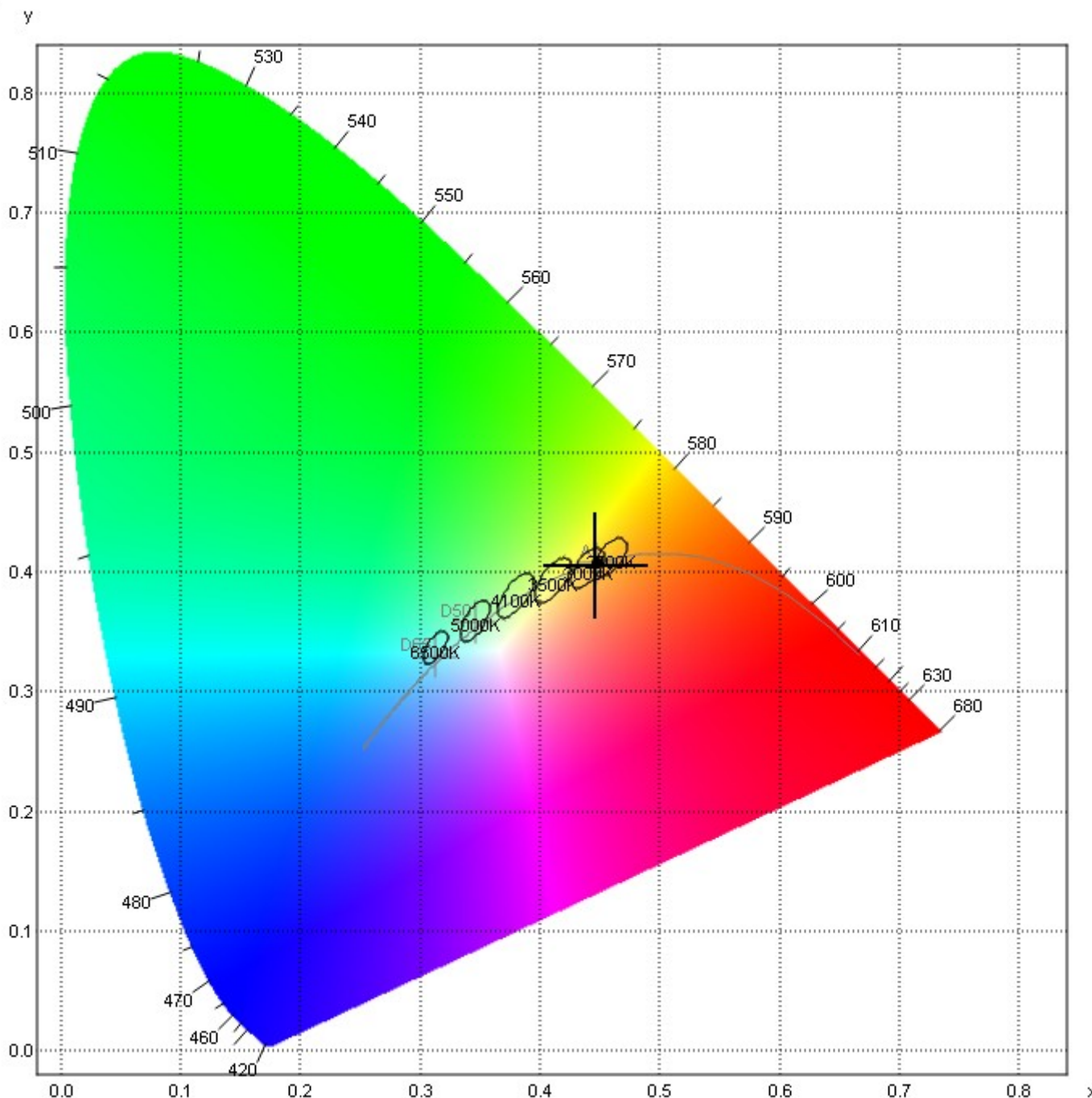
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## Beam cone

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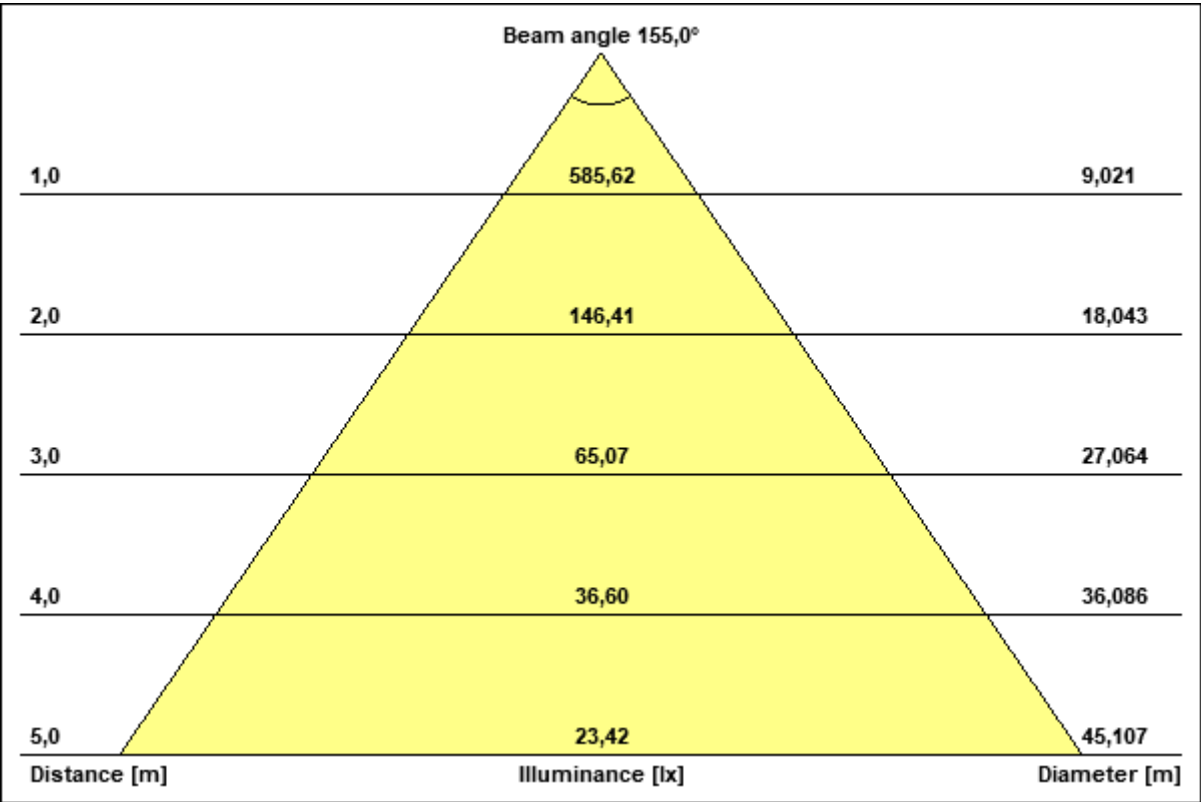
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Stabilization

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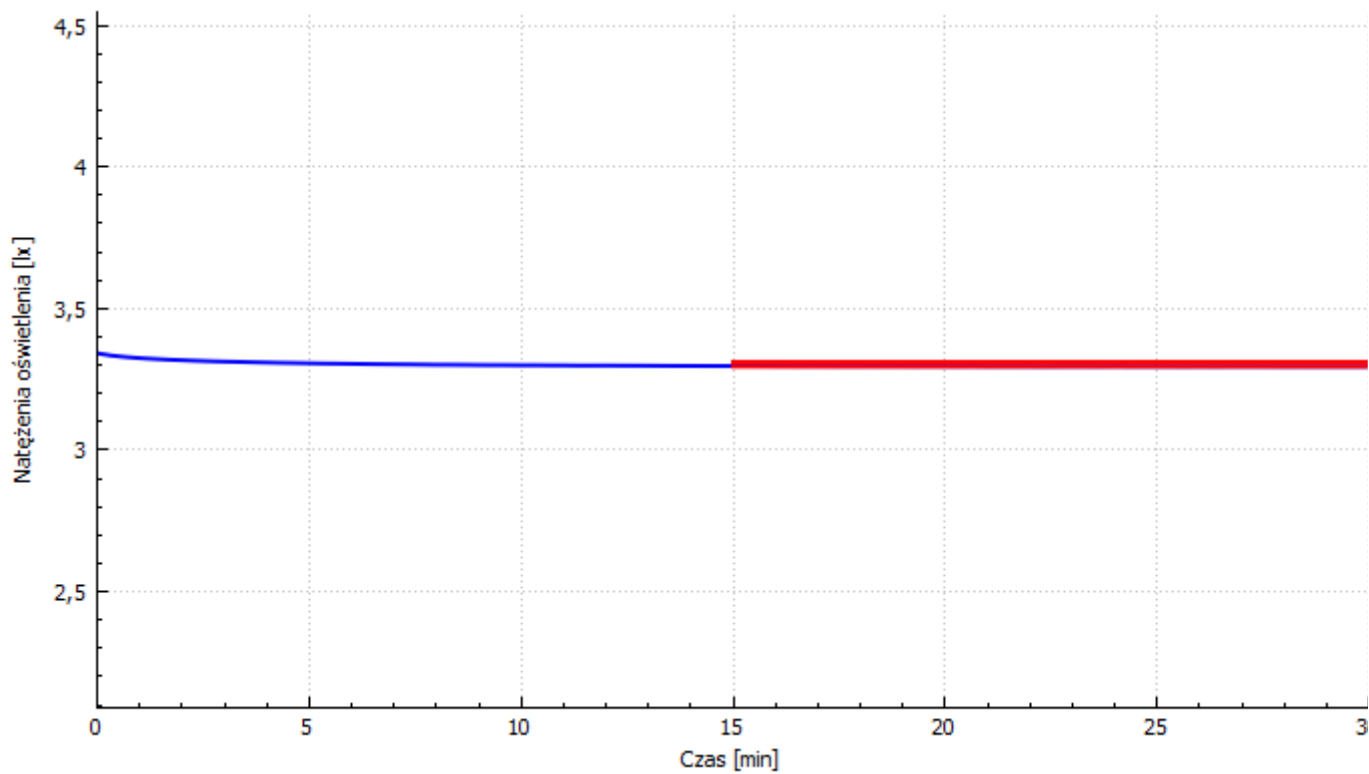
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### 3D Chart

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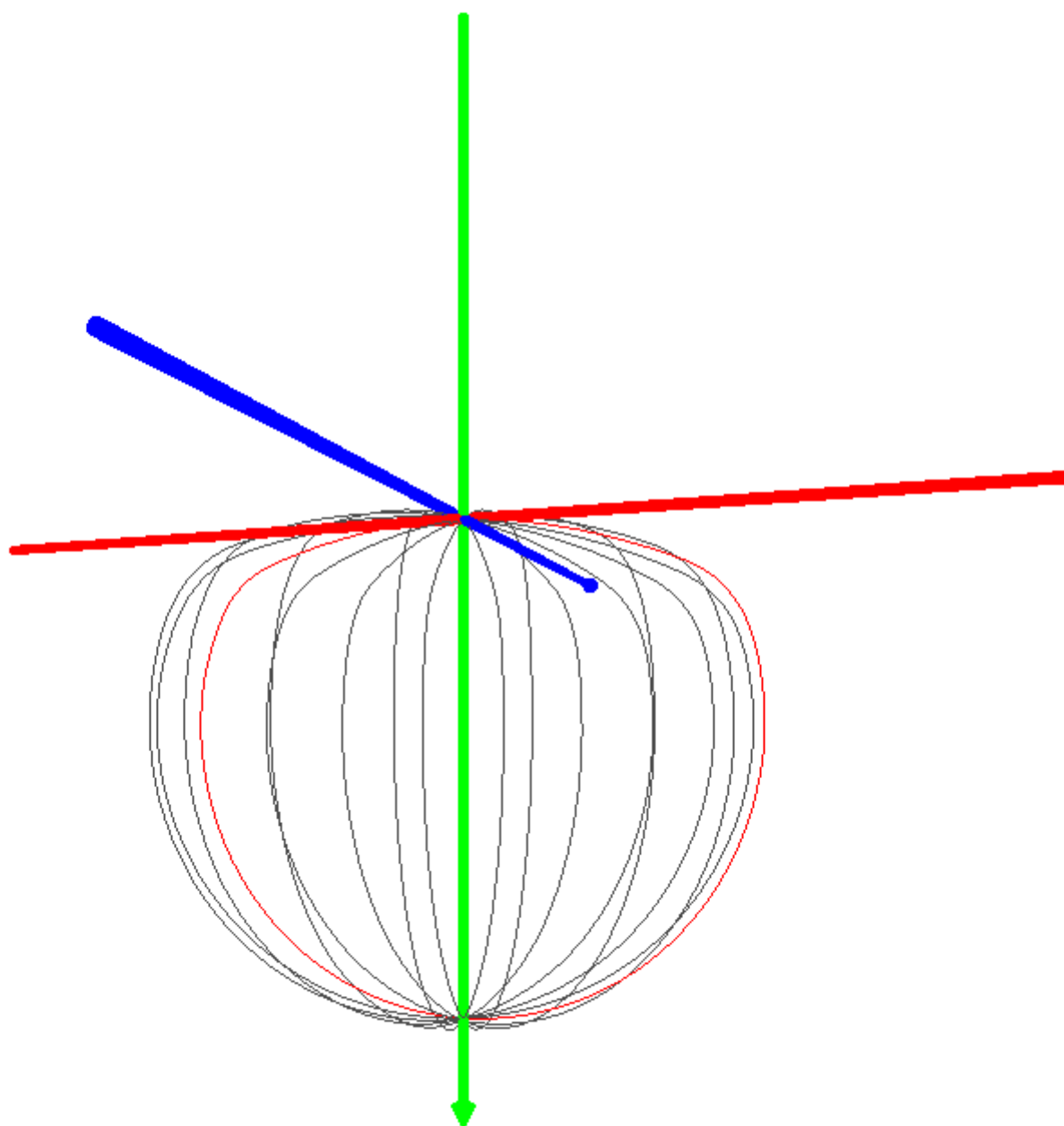
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## Legend

- C0-C180

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- C90-C270  
- G0-G180  
U(%f)

I(%f)

Extended  
electrical  
report

|    |         |         | P(%f)     |
|----|---------|---------|-----------|
| 0  | 0,00433 | 0,543   | -2,56e-05 |
| 1  | 100,000 | 100,000 | 100,000   |
| 2  | 0,0041  | 0,155   | 5,15e-06  |
| 3  | 0,00347 | 3,743   | 2,52e-05  |
| 4  | 0,00162 | 0,0817  | -3,44e-06 |
| 5  | 0,00502 | 2,247   | 4,54e-06  |
| 6  | 0,00117 | 0,113   | 2,13e-07  |
| 7  | 0,00298 | 1,954   | 1,25e-05  |
| 8  | 0       | 0,133   | 0         |
| 9  | 0,00202 | 2,046   | -1,71e-05 |
| 10 | 0       | 0,0677  | -7,74e-08 |
| 11 | 0,00472 | 1,460   | -3,96e-05 |
| 12 | 0,00103 | 0,109   | 1,12e-06  |
| 13 | 0,0054  | 1,845   | -9,2e-06  |
| 14 | 0       | 0,112   | 4,26e-07  |
| 15 | 0,00301 | 1,182   | 2,97e-06  |
| 16 | 0       | 0,0924  | 0         |
| 17 | 0,00241 | 1,135   | 2,19e-05  |
| 18 | 0       | 0,0965  | 0         |
| 19 | 0,00368 | 1,288   | 2,99e-05  |
| 20 | 0       | 0,114   | 0         |
| 21 | 0,0019  | 0,430   | 9,52e-06  |

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|    |          |        |           |
|----|----------|--------|-----------|
| 22 | 0        | 0,230  | 0         |
| 23 | 0,00355  | 0,870  | -1,7e-06  |
| 24 | 0        | 0,124  | 0         |
| 25 | 0,00185  | 0,868  | 3,11e-06  |
| 26 | 0,000895 | 0,175  | 0         |
| 27 | 0,00168  | 0,145  | -1,41e-07 |
| 28 | 0,000915 | 0,163  | 4,57e-07  |
| 29 | 0,00149  | 0,312  | -1,92e-06 |
| 30 | 0,000939 | 0,260  | 3,54e-07  |
| 31 | 0,00248  | 0,871  | -1,37e-06 |
| 32 | 0        | 0,122  | 1,33e-06  |
| 33 | 0,00252  | 0,658  | 5,52e-07  |
| 34 | 0,000933 | 0,165  | 2,6e-06   |
| 35 | 0,00257  | 0,390  | 2,47e-06  |
| 36 | 0,000965 | 0,221  | -1,87e-06 |
| 37 | 0,00135  | 0,364  | 4,22e-06  |
| 38 | 0,00103  | 0,150  | 0         |
| 39 | 0,00196  | 0,349  | 3,2e-06   |
| 40 | 0        | 0,0905 | 8,09e-07  |
| 41 | 0,00123  | 0,446  | 7,27e-06  |
| 42 | 0        | 0,160  | 1,09e-06  |
| 43 | 0,00117  | 0,438  | 2,28e-06  |
| 44 | 0        | 0,142  | 5,18e-07  |
| 45 | 0,00348  | 0,430  | 2,28e-06  |
| 46 | 0        | 0,182  | 2,15e-06  |
| 47 | 0,00247  | 0,424  | 4,02e-08  |
| 48 | 0,000907 | 0,108  | -6,29e-07 |
| 49 | 0,00334  | 0,491  | 4,01e-06  |
| 50 | 0,00302  | 0,526  | 7,84e-06  |

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