

## GL GONIOSPECTROMETER MEASUREMENT TAG LIST

### Report Wizard Sample Description Lines

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Client name: *Azzardo Lighting Company*  
Model name: *AZ4220 - AIDA ROUND 9W 3000K BK*  
Item No:  
Serial No.:  
Made by: *Adam Nawrot*

### Eulumdat Fields

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#### Dimensions of luminaire

Company: *Azzardo*  
Report number: *2020-09-10-1*  
LuminaireName: *Aida Round 9W 3000K*  
LuminaireNumber: *AZ4220*  
FileName: *AZ4220.Idt*  
Date: *2021-12-06*

#### Dimensions of luminaire

Length: *100 mm*  
Width: *0 mm*  
Height: *3 mm*

#### Dimensions of luminous area

Length: *65 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: 477,14 lm  
Color temperatur: 2943.75 K  
Color rendering index: 87,25  
Wattage including ballast: 10,69 W

**Utilization factors:**

|          |       |
|----------|-------|
| k = 0.60 | 0,473 |
| k = 0.80 | 0,563 |
| k = 1.00 | 0,639 |
| k = 1.25 | 0,707 |
| k = 1.50 | 0,755 |
| k = 2.00 | 0,826 |
| k = 2.50 | 0,854 |
| k = 3.00 | 0,876 |
| k = 4.00 | 0,904 |
| k = 5.00 | 0,921 |

**Electrical parameters**

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$U$  = 229,702 V  
 $I$  = 0,089 A  
 $P$  = 10,687 W  
Power factor = 0,522

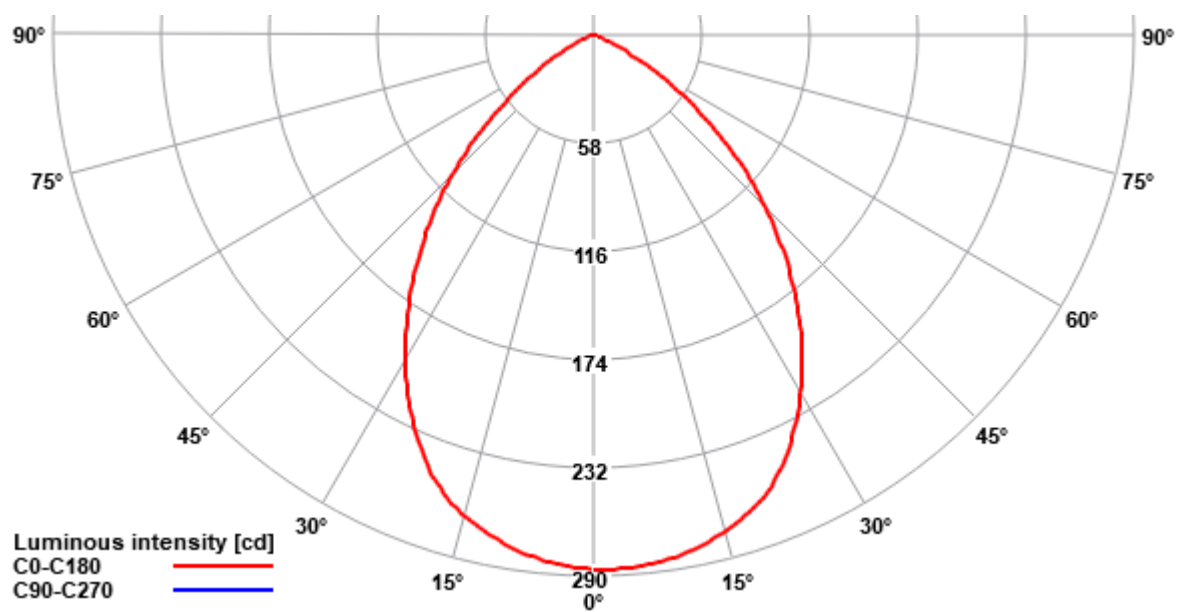
Power apparent = 20,456 VA  
Power Reactive = -17,442 var  
Frequency Voltage = 50,002 Hz  
THD = 0,000 %

Temperature = 22 C

## Goniometric measurement results

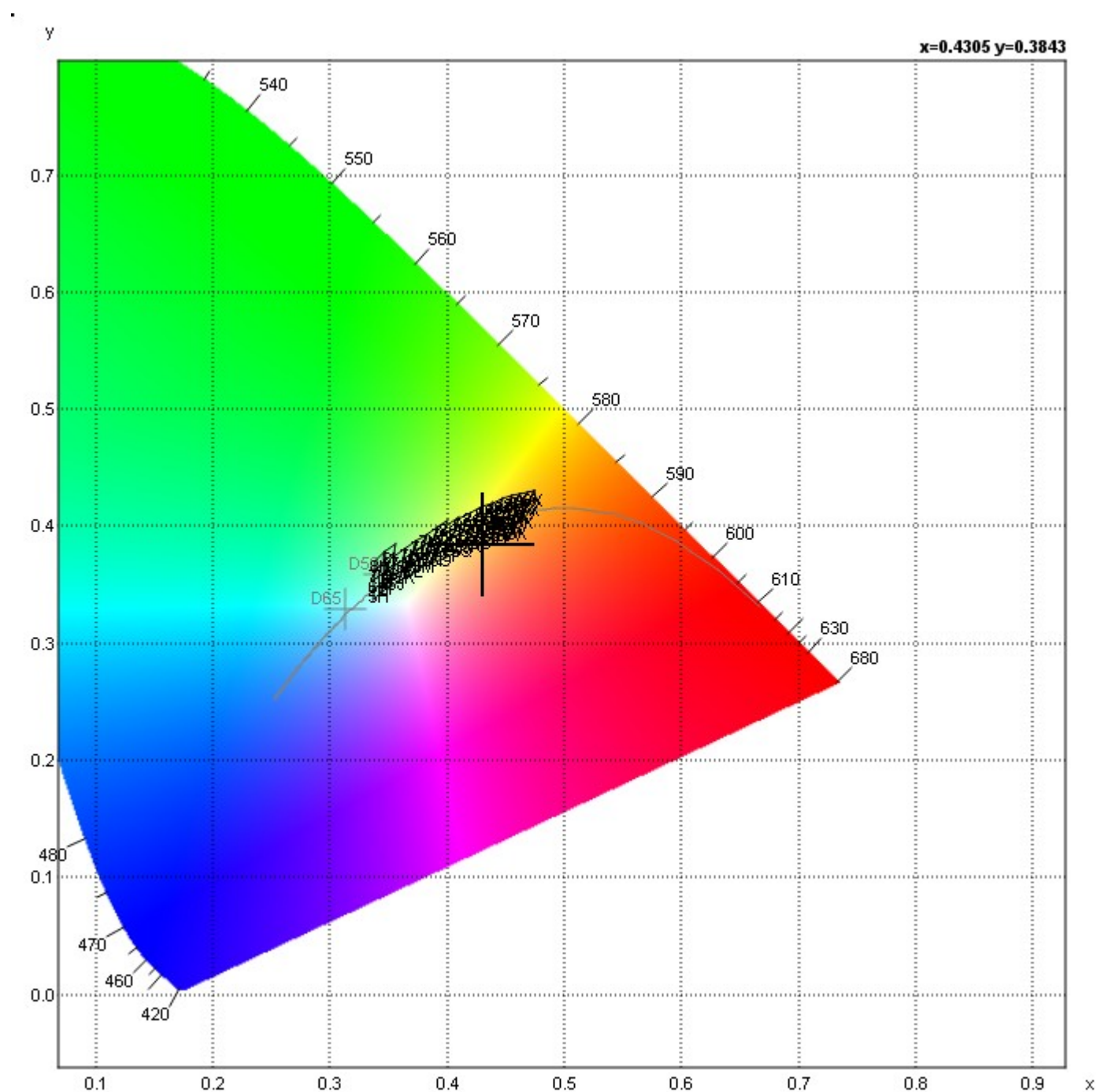
|                                      |            |
|--------------------------------------|------------|
| Total flux (utilized luminarie flux) | 477,14 lm  |
| Flux in lower hemisphere             | 100,00 %   |
| Flux in upper hemisphere             | 0,00 %     |
| Maximum luminous intensity           | 289,05 cd  |
| Light output ratio (LOR)             | 100,00 %   |
| Luminous efficacy                    | 44,63 lm/W |

## Light intensity distribution diagram



## CIE 1931 diagram

x 0,4305  
y 0,3843  
Angular Colour Uniformity 0,0021



GL Optic R&D Center Sp. z o.o.

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Raiffeisen Bank Polska S.A.

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NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000 PLN

## Beam cone

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# Stabilization

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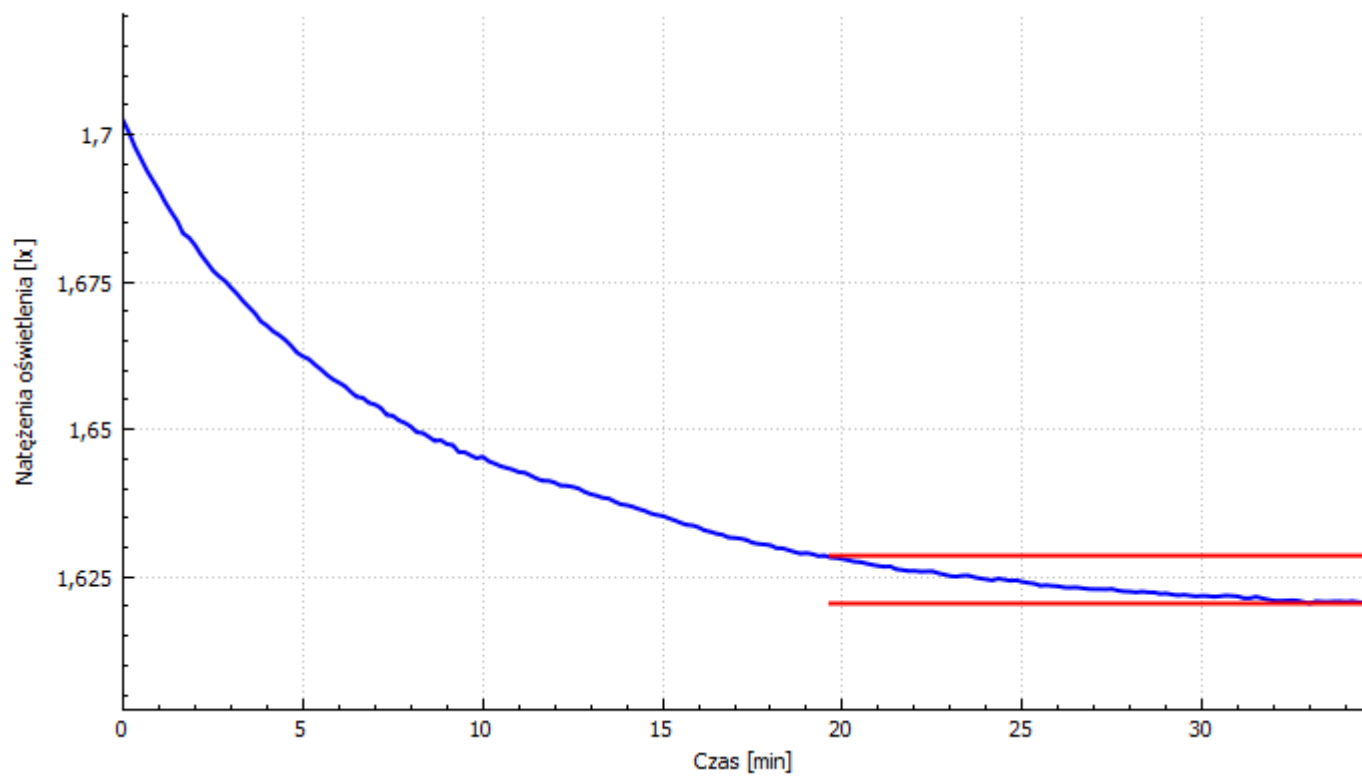
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### 3D Chart

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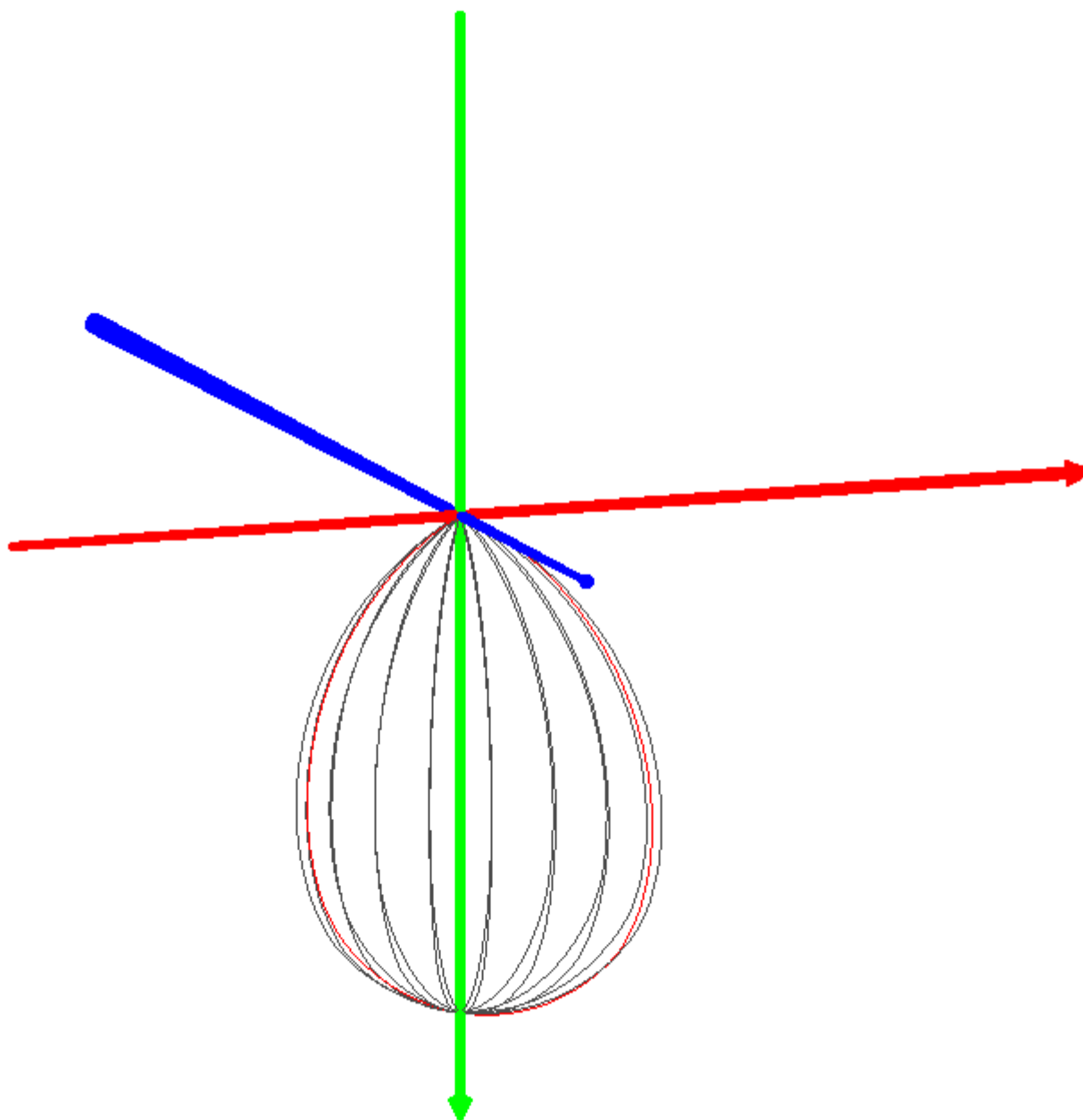
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## Legend

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

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## Extended electrical report

|    | U(%f) | I(%f) | P(%f) |
|----|-------|-------|-------|
| 0  | 0     | 0     | 0     |
| 1  | 0     | 0     | 0     |
| 2  | 0     | 0     | 0     |
| 3  | 0     | 0     | 0     |
| 4  | 0     | 0     | 0     |
| 5  | 0     | 0     | 0     |
| 6  | 0     | 0     | 0     |
| 7  | 0     | 0     | 0     |
| 8  | 0     | 0     | 0     |
| 9  | 0     | 0     | 0     |
| 10 | 0     | 0     | 0     |
| 11 | 0     | 0     | 0     |
| 12 | 0     | 0     | 0     |
| 13 | 0     | 0     | 0     |
| 14 | 0     | 0     | 0     |
| 15 | 0     | 0     | 0     |
| 16 | 0     | 0     | 0     |
| 17 | 0     | 0     | 0     |
| 18 | 0     | 0     | 0     |
| 19 | 0     | 0     | 0     |
| 20 | 0     | 0     | 0     |
| 21 | 0     | 0     | 0     |
| 22 | 0     | 0     | 0     |
| 23 | 0     | 0     | 0     |
| 24 | 0     | 0     | 0     |
| 25 | 0     | 0     | 0     |
| 26 | 0     | 0     | 0     |
| 27 | 0     | 0     | 0     |
| 28 | 0     | 0     | 0     |
| 29 | 0     | 0     | 0     |
| 30 | 0     | 0     | 0     |
| 31 | 0     | 0     | 0     |
| 32 | 0     | 0     | 0     |
| 33 | 0     | 0     | 0     |
| 34 | 0     | 0     | 0     |
| 35 | 0     | 0     | 0     |
| 36 | 0     | 0     | 0     |
| 37 | 0     | 0     | 0     |
| 38 | 0     | 0     | 0     |
| 39 | 0     | 0     | 0     |
| 40 | 0     | 0     | 0     |
| 41 | 0     | 0     | 0     |
| 42 | 0     | 0     | 0     |

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|    |   |   |   |
|----|---|---|---|
| 43 | 0 | 0 | 0 |
| 44 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 |
| 46 | 0 | 0 | 0 |
| 47 | 0 | 0 | 0 |
| 48 | 0 | 0 | 0 |
| 49 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 |