

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*

Model name: *Arbax 2*

Item No: *AZ4342*

Serial No.:

Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*

Report number: *AZ4342*

LuminaireName: *Arbax 2*

LuminaireNumber: *AZ4342*

FileName: *AZ4342.Idt*

Date: *2024-06-12*

Dimensions of luminaire

Length: *110 mm*

Width: *90 mm*

Height: *105 mm*

Dimensions of luminous area

Length: *90 mm*

Width: *90 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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Raiffeisen Bank Polska S.A.

NIP: 783-171-97-20

ul. Poznańska 70

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REGON 360317241

PL-62-040 Puszczykowo; Poland

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

KRS: 0000537079

Tel.: +48 61 819 40 03

SWIFT BIC: RCBWPLPW

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Type of lamps: *LED*
Total luminous flux: *311,65 lm*
Color temperatur: *2991 K*
Color rendering index: *85,67*
Wattage including ballast: *12,76 W*

Utilization factors:

k = 0.60	<i>0,095</i>
k = 0.80	<i>0,150</i>
k = 1.00	<i>0,201</i>
k = 1.25	<i>0,258</i>
k = 1.50	<i>0,308</i>
k = 2.00	<i>0,390</i>
k = 2.50	<i>0,450</i>
k = 3.00	<i>0,499</i>
k = 4.00	<i>0,571</i>
k = 5.00	<i>0,623</i>

Electrical parameters

<i>U</i>	<i>= 229,663 V</i>
<i>I</i>	<i>= 0,057 A</i>
<i>P</i>	<i>= 12,764 W</i>
<i>Power factor</i>	<i>= 0,967</i>

<i>Power apparent</i>	<i>= 13,201 VA</i>
<i>Power Reactive</i>	<i>= -2,621 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 16,232 %</i>

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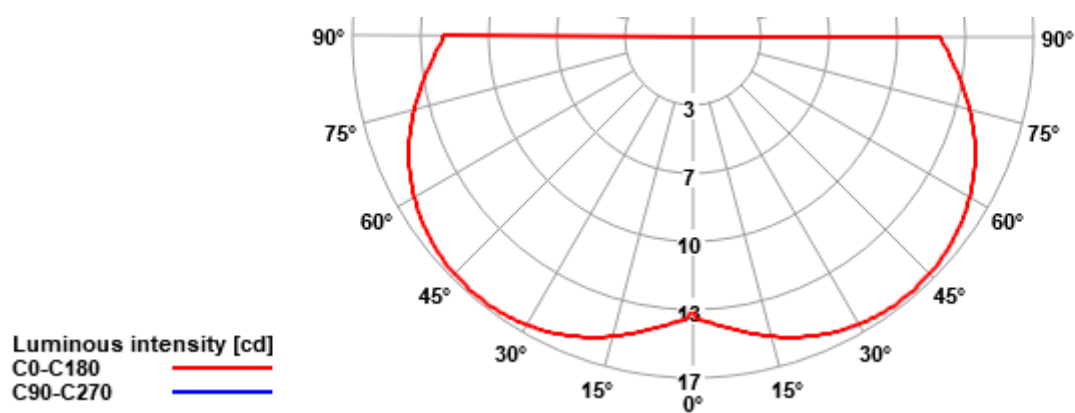
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	311,65 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	87,43 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	24,42 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4324
y	0,3937
Angular Colour Uniformity	0,0022

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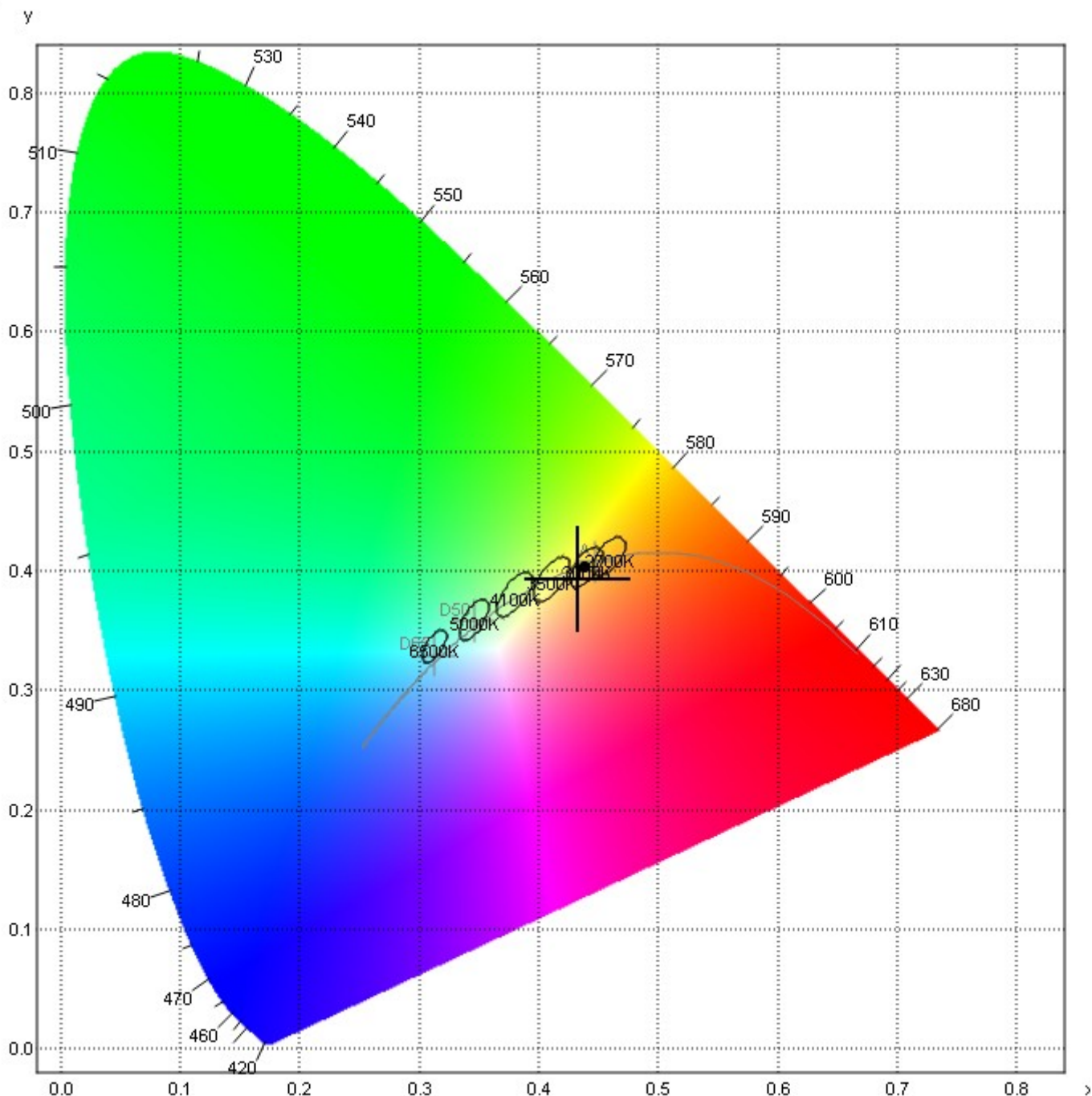
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Beam cone

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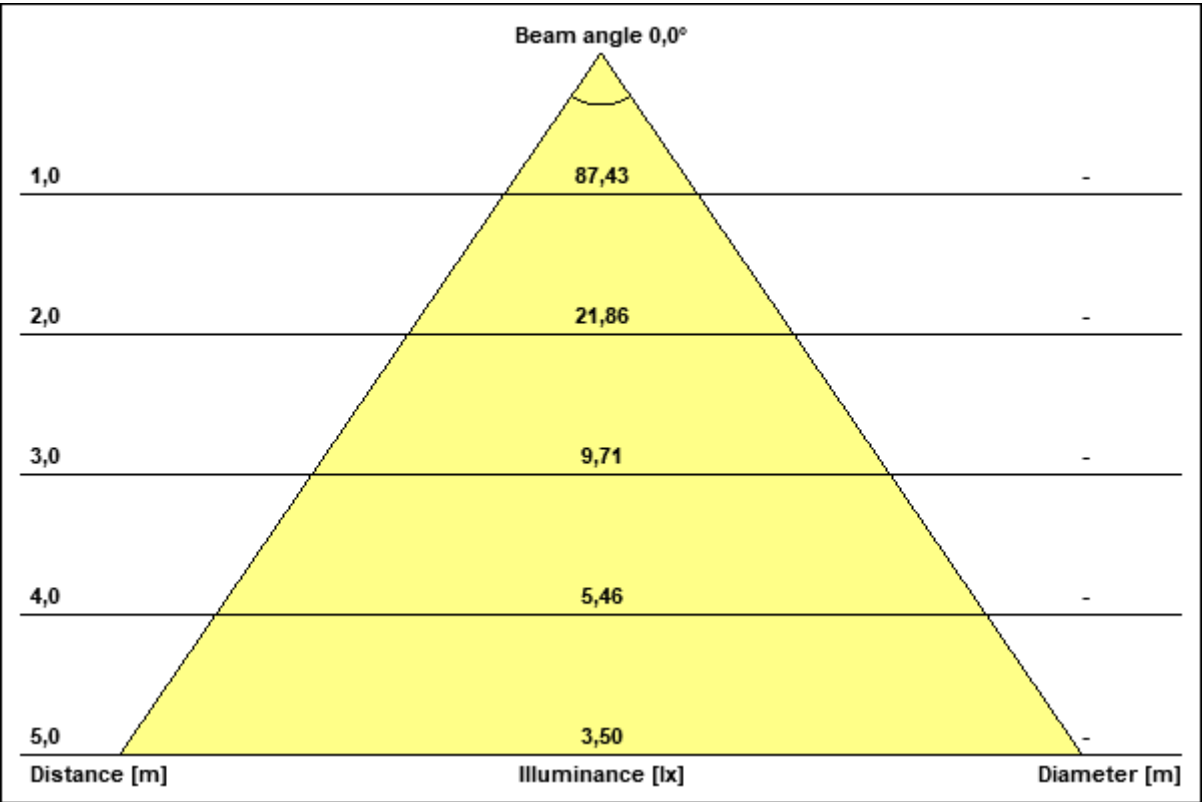
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Stabilization

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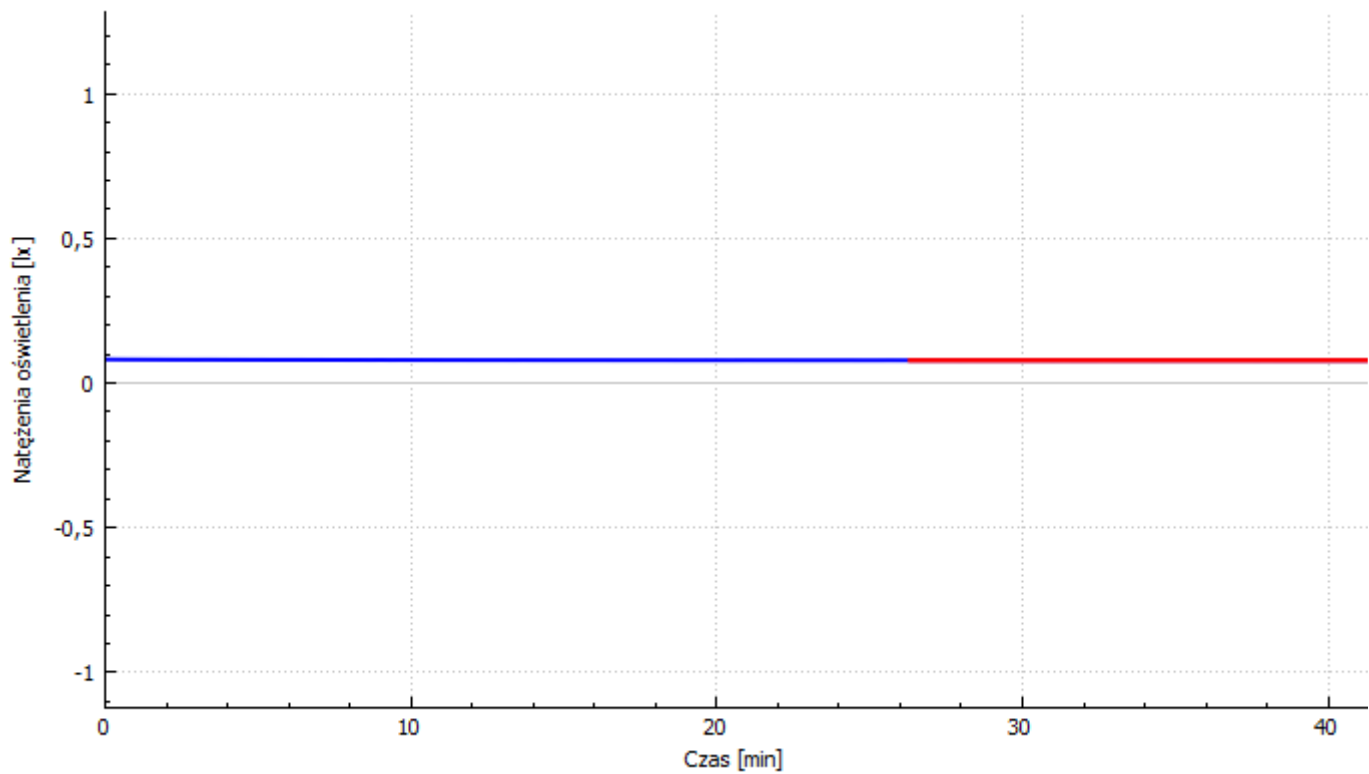
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3D Chart

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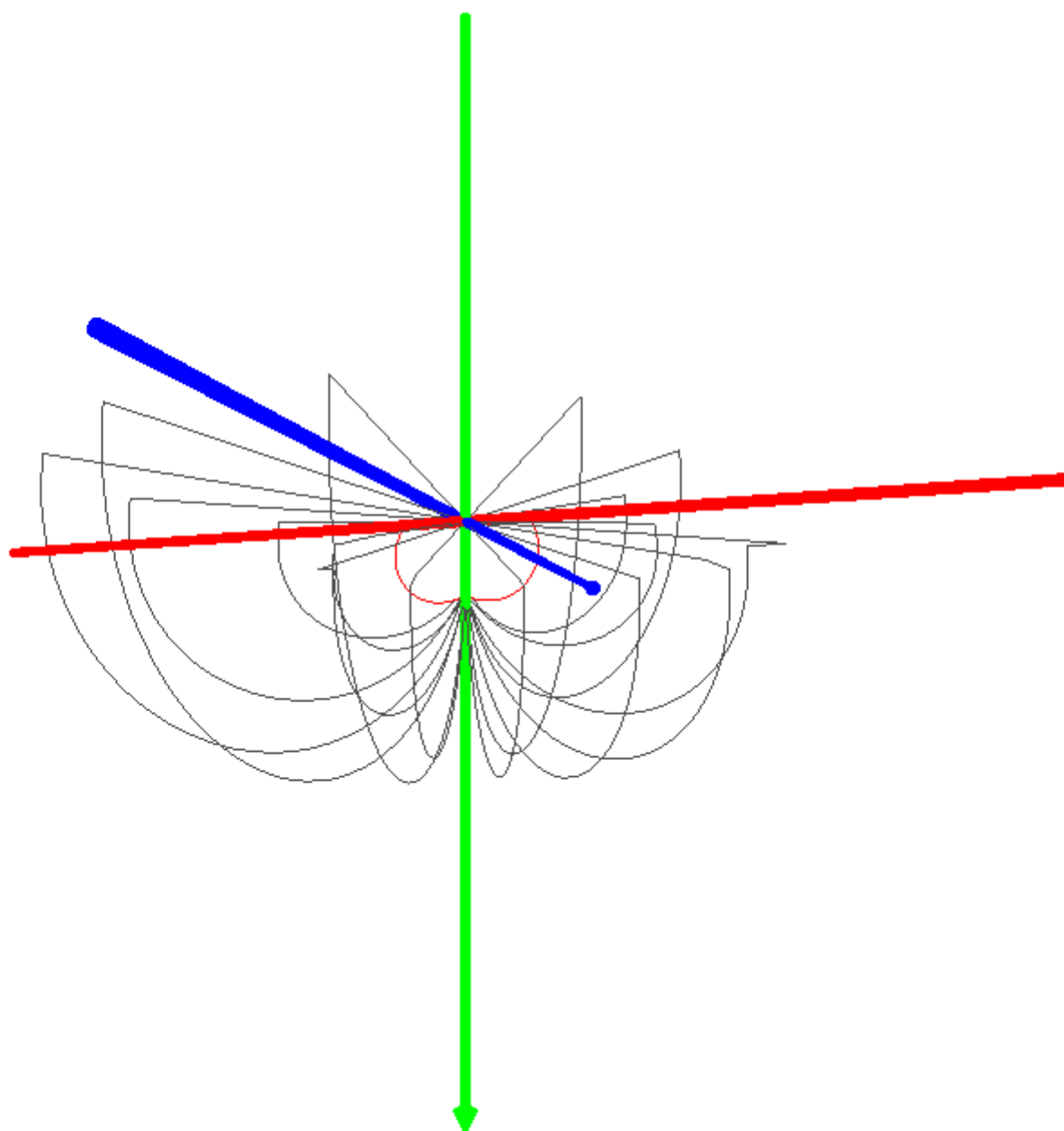
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Legend

- C0-C180

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- C90-C270
- G0-G180

**Extended
electrical
report**

U(%f)

I(%f)

P(%f)

0	0,00689	0	0
1	100,000	100,000	100,000
2	0,00608	0	0
3	0	13,619	0
4	0,00224	0	0
5	0,00681	4,867	2,19e-05
6	0,00126	0	0
7	0,0037	3,854	-7,27e-05
8	0	0	-2,44e-07
9	0,0014	3,053	-5,26e-05
10	0,000992	0	1,39e-08
11	0,00383	2,735	-6,47e-06
12	0,00134	0	0
13	0,0034	2,788	2,04e-05
14	0,00135	0	0
15	0,00236	2,577	-3,83e-06
16	0,00114	0	0
17	0,00187	2,012	6,16e-06
18	0,00109	0	0
19	0,00107	1,228	1,51e-05
20	0,00146	0	0
21	0,000885	0,496	0

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22	0,00119	0	0
23	0,00262	0,158	1,18e-06
24	0,000963	0	0
25	0	0,380	0
26	0	0,0391	2,63e-07
27	0,00155	0,418	-1e-07
28	0	0	0
29	0	0,305	-1,27e-06
30	0	0	0
31	0,0024	0,113	2,68e-06
32	0	0	0
33	0,00103	0,148	-1,27e-06
34	0	0	0
35	0,00143	0,368	-9,22e-08
36	0,000896	0	0
37	0,00164	0,511	-1,39e-06
38	0	0	0
39	0,00145	0,568	2,99e-06
40	0,00093	0	0
41	0,0013	0,578	-5,69e-06
42	0,00101	0	0
43	0,00136	0,581	1,35e-06
44	0,00127	0	-7,28e-08
45	0,00157	0,579	1,11e-05
46	0,00113	0	0
47	0,00107	0,542	8,72e-06
48	0,000946	0	0
49	0	0,449	0
50	0	0	0

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