

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*

Model name: *Saturn 52*

Item No: *AZ6662*

Serial No.: *AZ6662*

Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*

Report number: *AZ6662*

LuminaireName: *Saturn 52*

LuminaireNumber: *AZ6662*

FileName: *AZ6662.ldt*

Date: *2025-07-18*

Dimensions of luminaire

Length: *500 mm*

Width: *0 mm*

Height: *135 mm*

Dimensions of luminous area

Length: *490 mm*

Width: *0 mm*

C0-plane *0 mm*

C90-plane *0 mm*

C180-plane *0 mm*

C270-plane *0 mm*

Lamps:

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

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Tel.: +48 61 819 40 03

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PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

Number of lamps: -1
Type of lamps: LED
Total luminous flux: 147,81 lm
Color temperatur: 2850 K
Color rendering index: 90,72
Wattage including ballast: 19,85 W

Utilization factors:

k = 0.60	0,227
k = 0.80	0,302
k = 1.00	0,370
k = 1.25	0,439
k = 1.50	0,495
k = 2.00	0,582
k = 2.50	0,636
k = 3.00	0,678
k = 4.00	0,738
k = 5.00	0,777

Electrical parameters

U = 229,698 V
I = 0,091 A
P = 19,847 W
Power factor = 0,954

Power apparent = 20,813 VA
Power Reactive = -6,213 var
Frequency Voltage = 50,002 Hz
THD = 10,533 %

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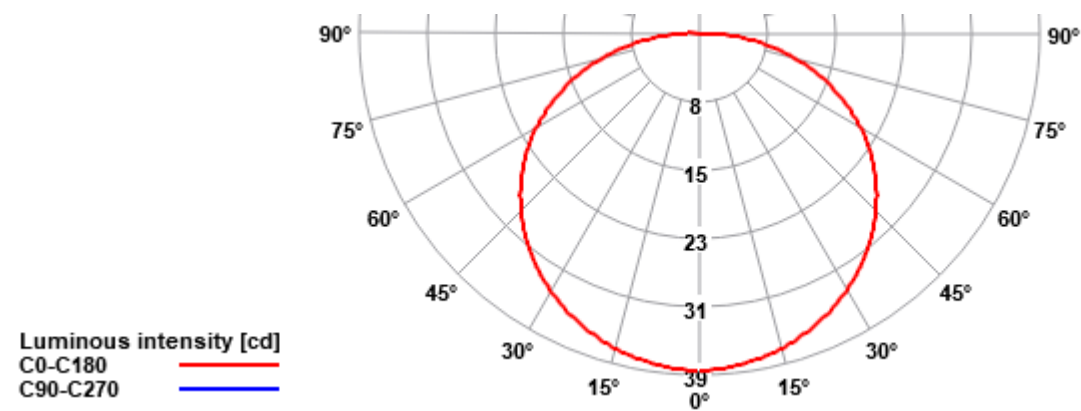
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	147,81 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	38,19 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	7,45 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4491
y	0,4097
Angular Colour Uniformity	0,0071

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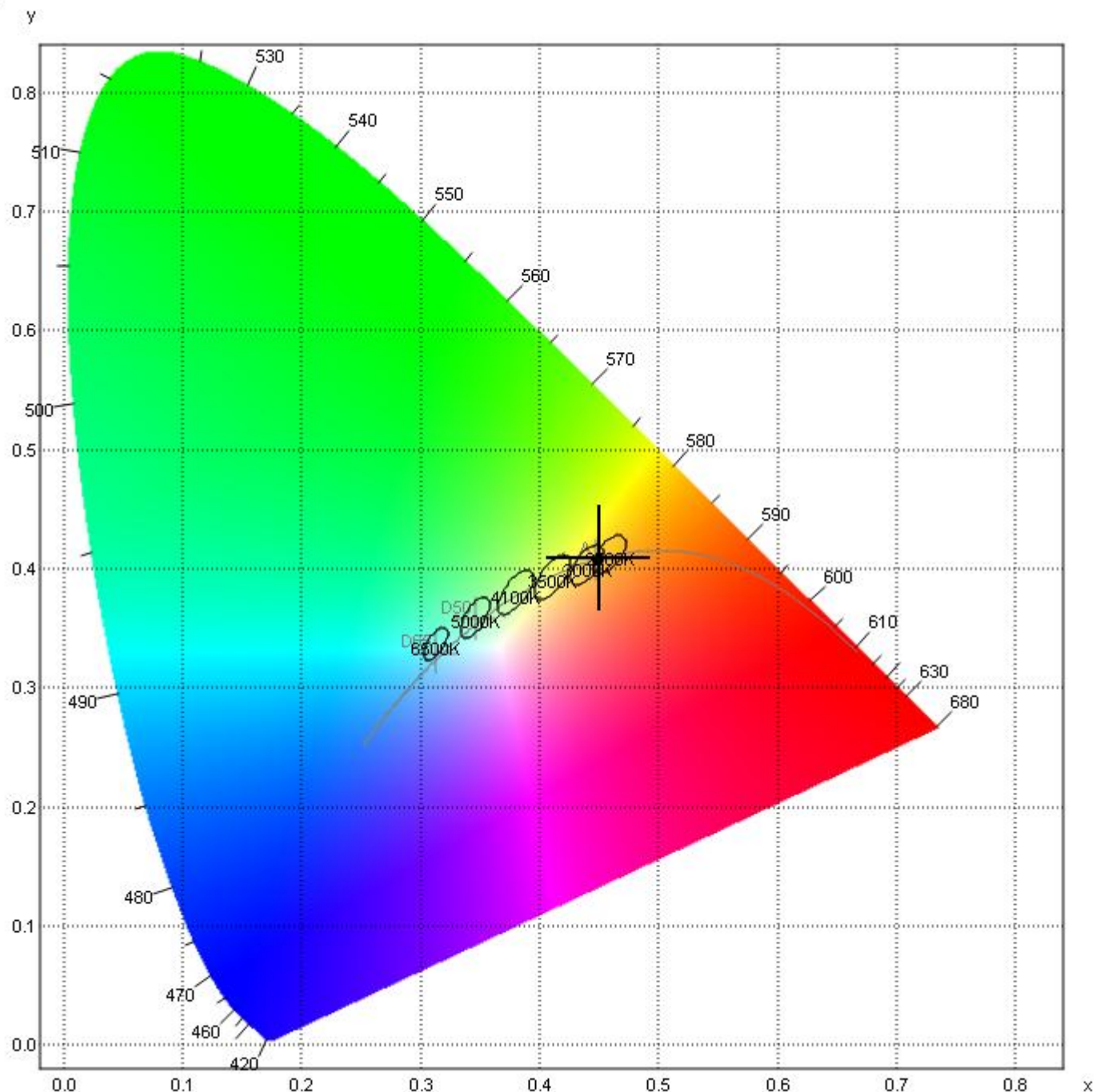
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Beam cone



Stabilization

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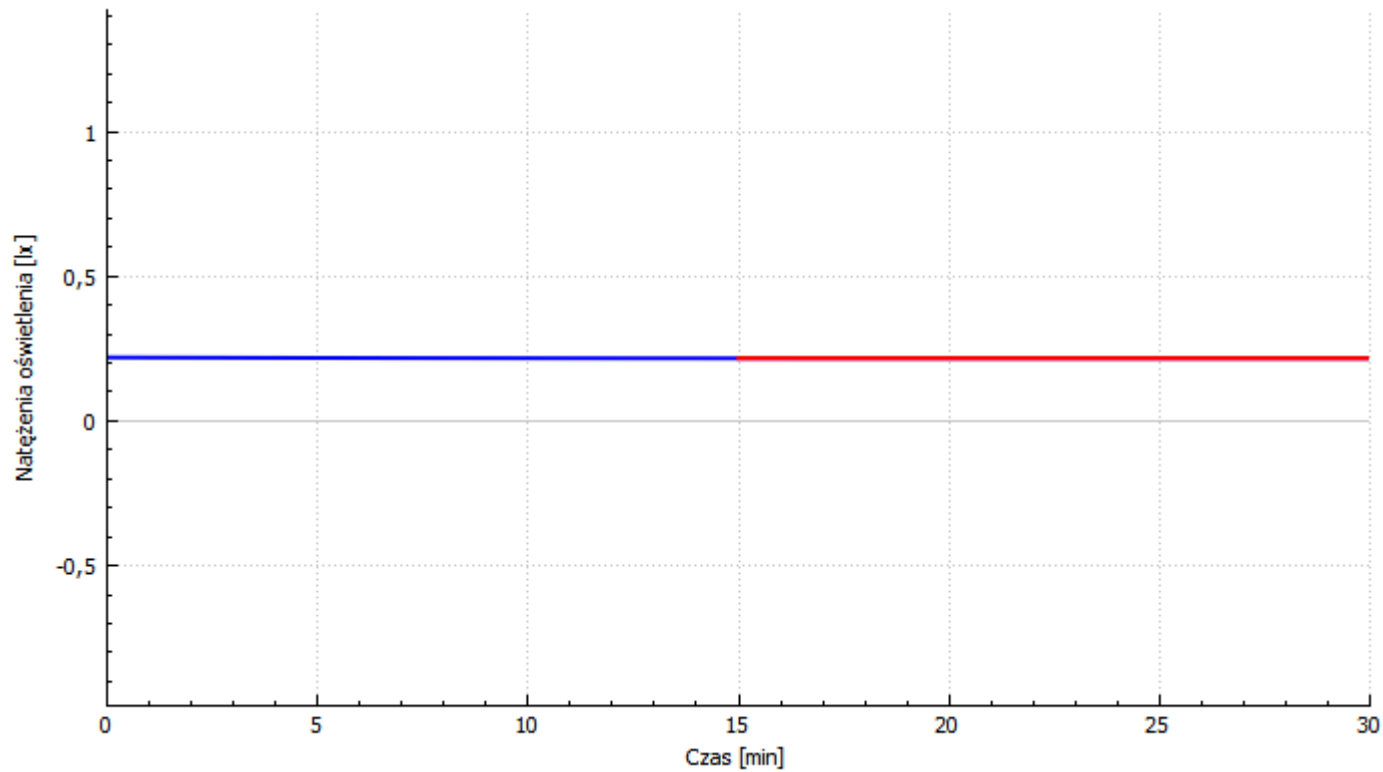
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3D Chart

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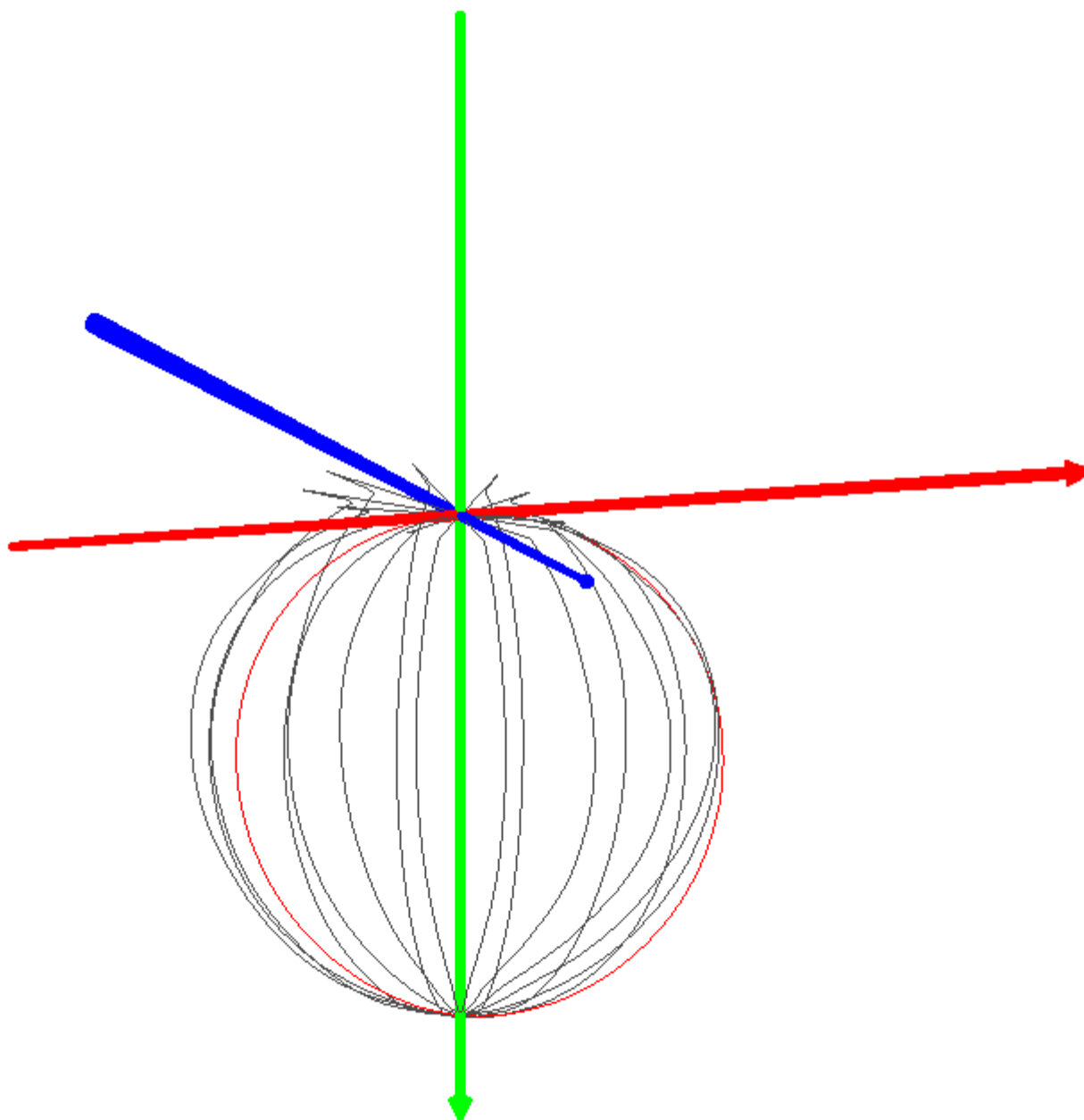
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Legend

— - C0-C180

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- C90-C270
- G0-G180

Extended
electrical
report

U(%f)

I(%f)

P(%f)

0	0,00608	0	2,74e-07
1	100,000	100,000	100,000
2	0,00479	0,0324	1,92e-06
3	0,00523	3,361	-9,97e-05
4	0,00214	0,026	-4,86e-07
5	0,00491	1,708	3,71e-06
6	0,0011	0	7,93e-08
7	0,00223	1,170	-8,75e-06
8	0	0	0
9	0,00252	1,789	-2,3e-05
10	0	0	0
11	0,00622	2,359	4,72e-05
12	0	0	0
13	0,00491	1,810	2,68e-05
14	0	0,0274	0
15	0,00211	1,024	3,79e-06
16	0	0,037	0
17	0,0018	0,847	1,14e-05
18	0	0,0378	1,68e-07
19	0,00164	0,675	9,79e-06
20	0,000887	0,0295	-7,37e-08

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21	0,0013	0,528	1,84e-06
22	0,00105	0	-8,66e-08
23	0,00247	0,625	3,45e-06
24	0,00103	0	1,7e-07
25	0	0,378	0
26	0,00106	0,0469	-1,83e-07
27	0,00094	0,150	0
28	0	0,0285	3,34e-07
29	0,00167	0,125	2,15e-07
30	0,001	0	-3,43e-07
31	0	0,157	0
32	0,00109	0	-7,89e-08
33	0	0,303	7,17e-07
34	0,00127	0,0442	0
35	0,00163	0,291	2,52e-06
36	0,00102	0	0
37	0	0,277	0
38	0,00139	0,0349	1,25e-07
39	0	0,390	0
40	0,00107	0,0396	0
41	0,00175	0,170	-3,79e-06
42	0,00123	0,0454	-5,19e-07
43	0	0,266	0
44	0,00114	0,0257	4,62e-07
45	0,00139	0,249	2,89e-06
46	0,000937	0,0423	-1,46e-07
47	0,00167	0,289	1,81e-06
48	0,00131	0	-1,21e-07
49	0,000969	0,271	3,1e-06
50	0,00125	0	2,52e-07

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