

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*

Model name: *Alfa Magnetic27 Senta 20W 3000K*

Item No: *AZ6092*

Serial No.:

Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*

Report number: *AZ6092*

LuminaireName: *Alfa Track Magnetic 27 Senta 20W 3000K*

LuminaireNumber: *AZ6092*

FileName: *AZ6092.Idt*

Date: *2024-10-10*

Dimensions of luminaire

Length: *715 mm*

Width: *22 mm*

Height: *27 mm*

Dimensions of luminous area

Length: *595 mm*

Width: *20 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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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

Type of lamps: *LED*
Total luminous flux: *977,82 lm*
Color temperatur: *3053 K*
Color rendering index: *83,22*
Wattage including ballast: *20,47 W*

Utilization factors:

k = 0.60	<i>0,300</i>
k = 0.80	<i>0,384</i>
k = 1.00	<i>0,459</i>
k = 1.25	<i>0,532</i>
k = 1.50	<i>0,589</i>
k = 2.00	<i>0,677</i>
k = 2.50	<i>0,726</i>
k = 3.00	<i>0,763</i>
k = 4.00	<i>0,815</i>
k = 5.00	<i>0,847</i>

Electrical parameters

<i>U</i>	<i>= 229,709 V</i>
<i>I</i>	<i>= 0,280 A</i>
<i>P</i>	<i>= 20,468 W</i>
<i>Power factor</i>	<i>= 0,318</i>

<i>Power apparent</i>	<i>= 64,328 VA</i>
<i>Power Reactive</i>	<i>= -60,981 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 290,201 %</i>

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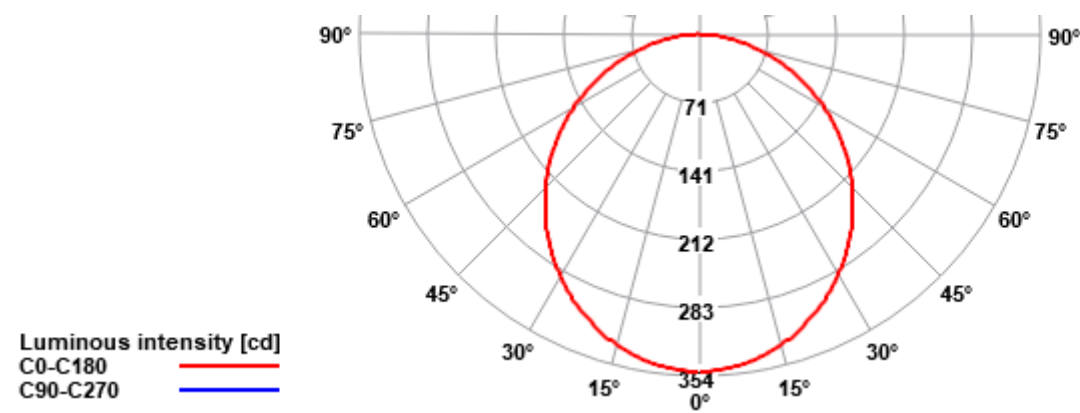
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	977,82 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	350,20 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	47,77 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4320
y	0,4002
Angular Colour Uniformity	0,0019

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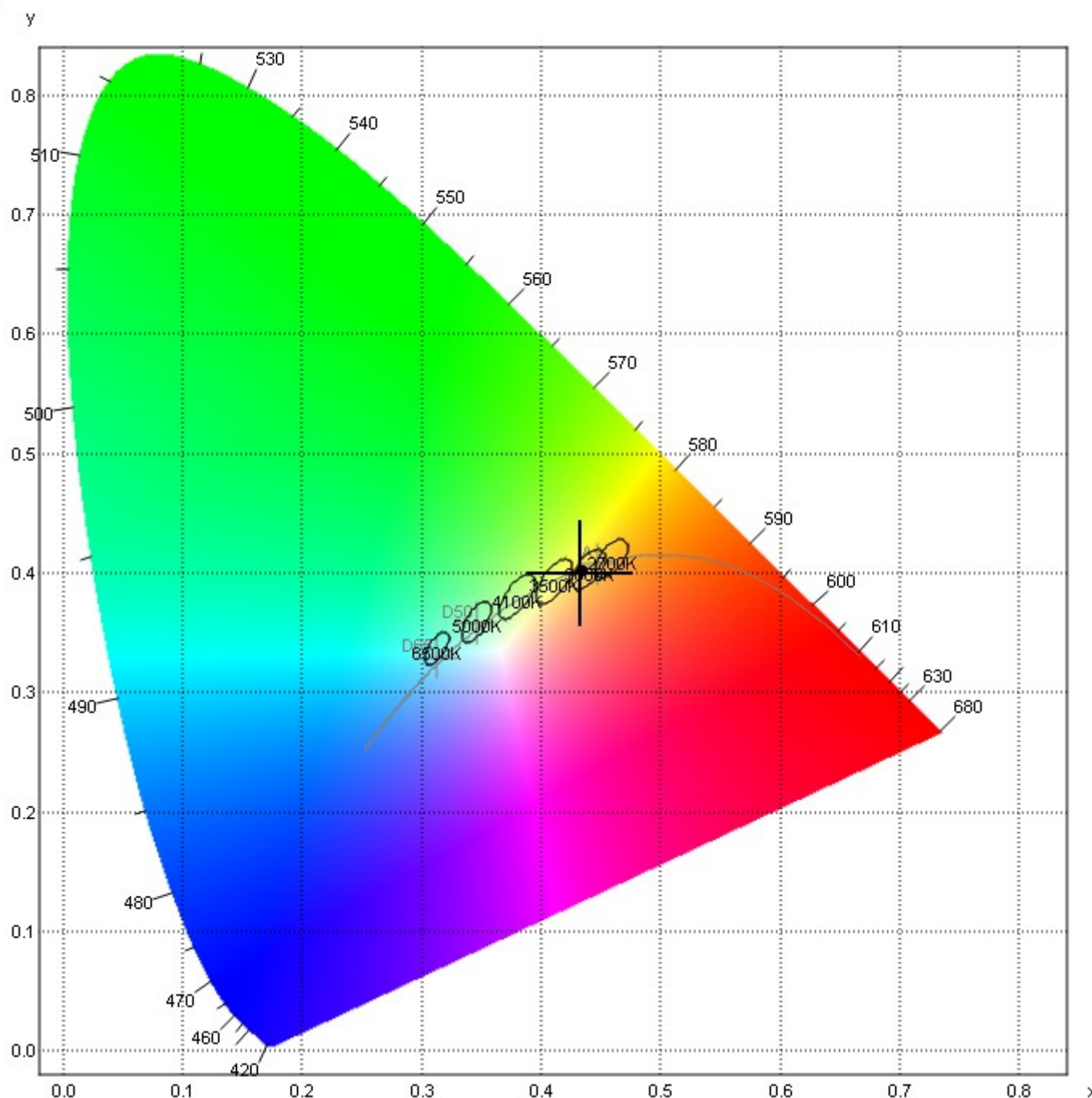
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Beam cone

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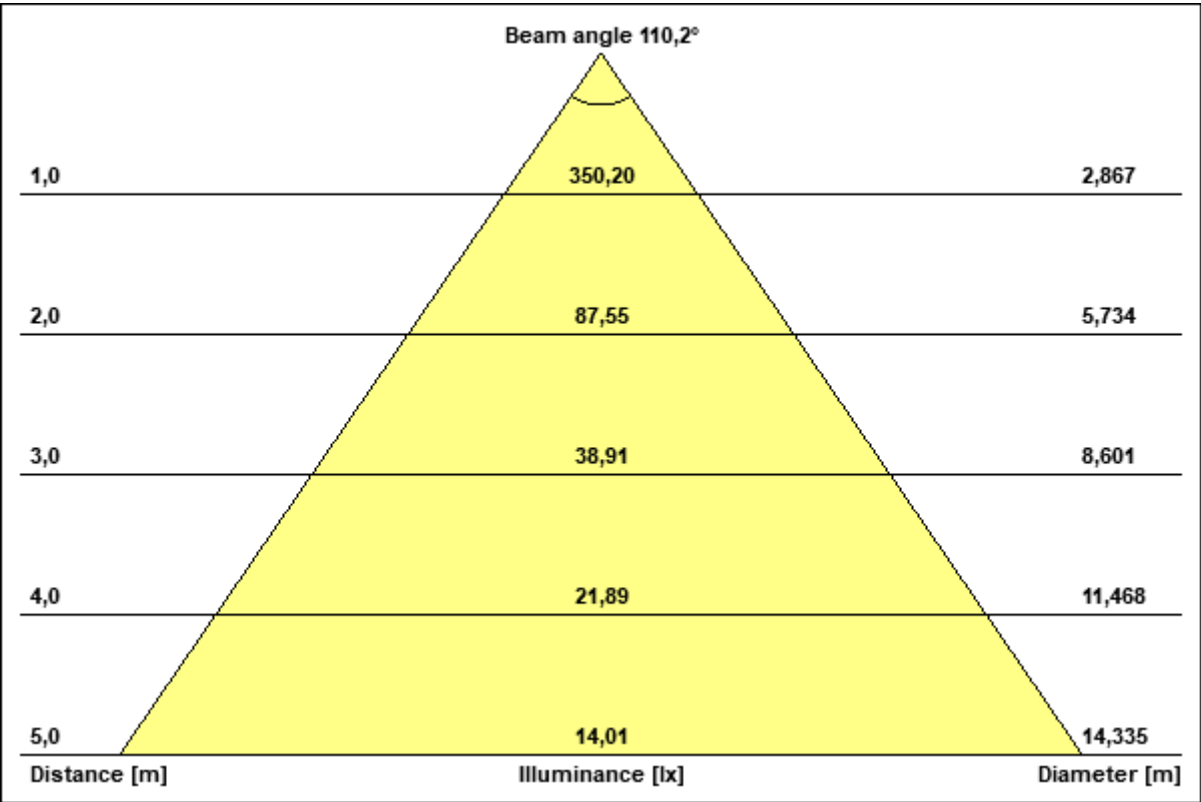
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Stabilization

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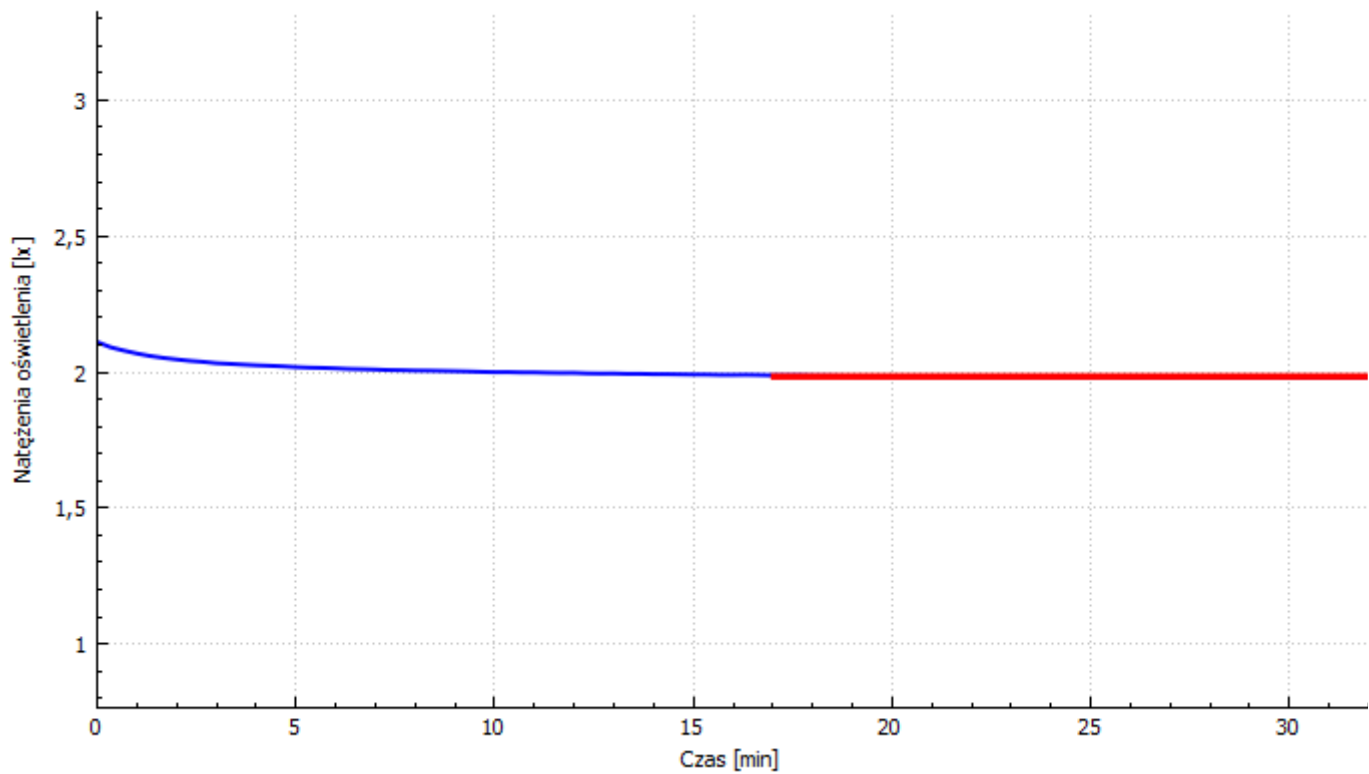
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3D Chart

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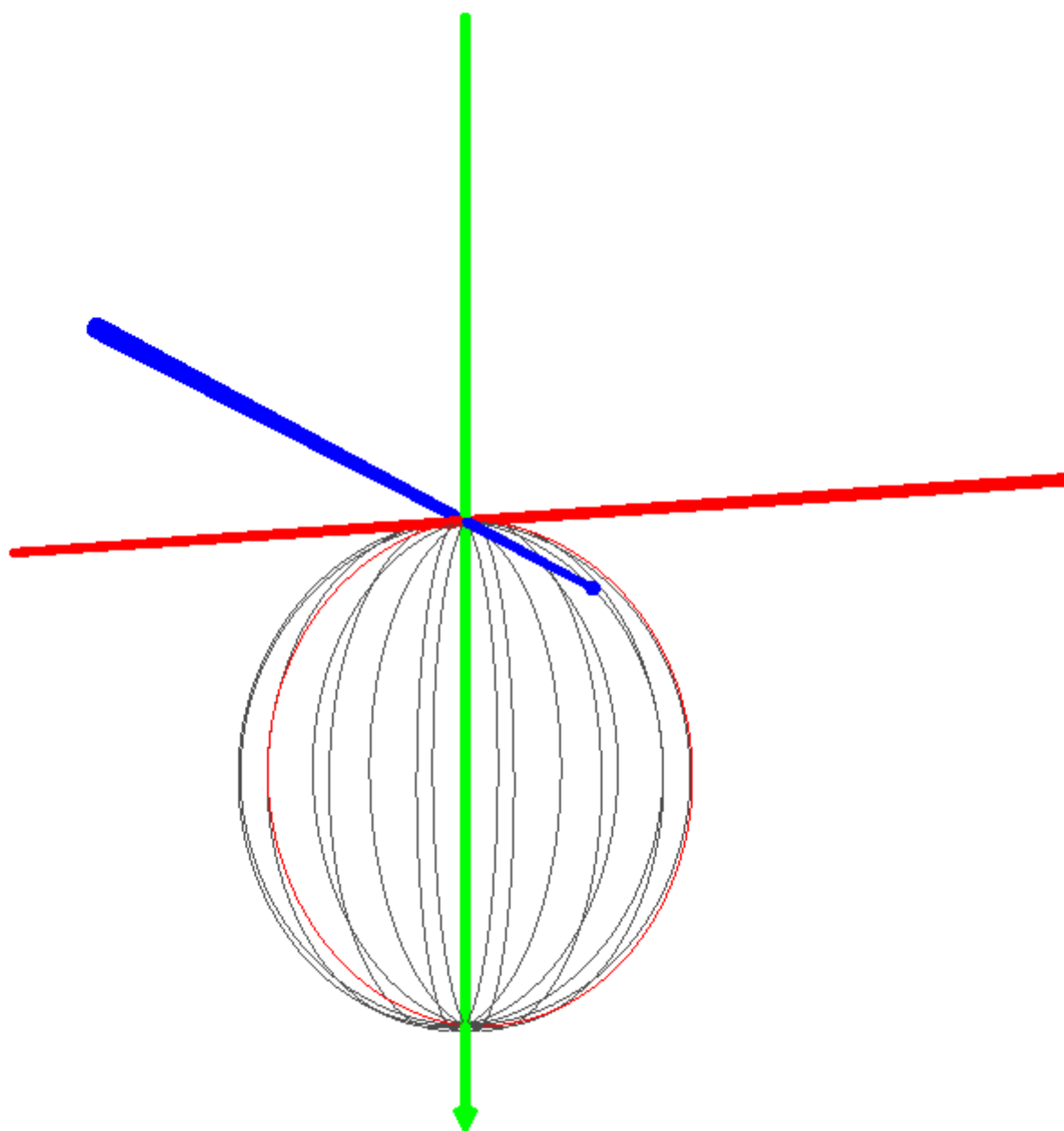
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

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			P(%f)
0	0,00244	0,809	1,19e-05
1	100,000	100,000	100,000
2	0,00348	0,373	1,45e-05
3	0,101	97,091	0,0996
4	0,00119	0,649	1,81e-06
5	0,101	95,599	0,0956
6	0,00159	0,945	1,8e-05
7	0,0967	93,410	0,0846
8	0,00218	1,214	2,67e-05
9	0,100	90,554	0,0817
10	0,00298	1,470	4,29e-05
11	0,106	87,096	0,0784
12	0,0036	1,691	5,86e-05
13	0,102	83,061	0,068
14	0,00399	1,880	8,55e-05
15	0,104	78,565	0,0612
16	0,00452	2,049	9,37e-05
17	0,106	73,660	0,0541
18	0,00445	2,173	0,000101
19	0,102	68,430	0,0456
20	0,00417	2,261	9,59e-05
21	0,101	62,975	0,039

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22	0,00436	2,311	9,17e-05
23	0,0989	57,396	0,0318
24	0,0049	2,325	0,000113
25	0,0917	51,727	0,0262
26	0,00519	2,305	0,000111
27	0,0863	46,119	0,0205
28	0,00547	2,265	0,000112
29	0,0807	40,631	0,0157
30	0,0051	2,187	9,67e-05
31	0,0733	35,340	0,0118
32	0,00521	2,093	7,38e-05
33	0,0671	30,343	0,00858
34	0,00455	1,970	6,34e-05
35	0,0589	25,680	0,00593
36	0,00439	1,851	5,09e-05
37	0,051	21,430	0,00425
38	0,00416	1,712	4,3e-05
39	0,045	17,661	0,00292
40	0,00408	1,586	4,7e-05
41	0,0386	14,430	0,00176
42	0,00402	1,456	3,24e-05
43	0,0318	11,770	0,0012
44	0,0035	1,339	2,88e-05
45	0,0267	9,743	0,000851
46	0,00381	1,233	2,25e-05
47	0,0258	8,380	0,000512
48	0,00407	1,147	2,1e-05
49	0,0226	7,570	0,00048
50	0,00389	1,079	1,42e-05

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