

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*

Model name: *Alfa Magnetic27 Senta 10W 3000K*

Item No: *AZ6091*

Serial No.:

Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*

Report number: *AZ6091*

LuminaireName: *Alfa Track Magnetic 27 Senta 10W 3000K*

LuminaireNumber: *AZ6091*

FileName: *AZ6091.Idt*

Date: *2024-10-09*

Dimensions of luminaire

Length: *415 mm*

Width: *22 mm*

Height: *27 mm*

Dimensions of luminous area

Length: *300 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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SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

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Type of lamps: *LED*
Total luminous flux: *455,48 lm*
Color temperatur: *2986 K*
Color rendering index: *84,42*
Wattage including ballast: *9,38 W*

Utilization factors:

$k = 0.60$	<i>0,302</i>
$k = 0.80$	<i>0,387</i>
$k = 1.00$	<i>0,461</i>
$k = 1.25$	<i>0,534</i>
$k = 1.50$	<i>0,591</i>
$k = 2.00$	<i>0,679</i>
$k = 2.50$	<i>0,727</i>
$k = 3.00$	<i>0,765</i>
$k = 4.00$	<i>0,816</i>
$k = 5.00$	<i>0,848</i>

Electrical parameters

U	<i>= 229,717 V</i>
I	<i>= 0,141 A</i>
P	<i>= 9,377 W</i>
Power factor	<i>= 0,293</i>

Power apparent	<i>= 31,983 VA</i>
Power Reactive	<i>= -30,417 var</i>
Frequency Voltage	<i>= 50,002 Hz</i>
THD	<i>= 301,799 %</i>

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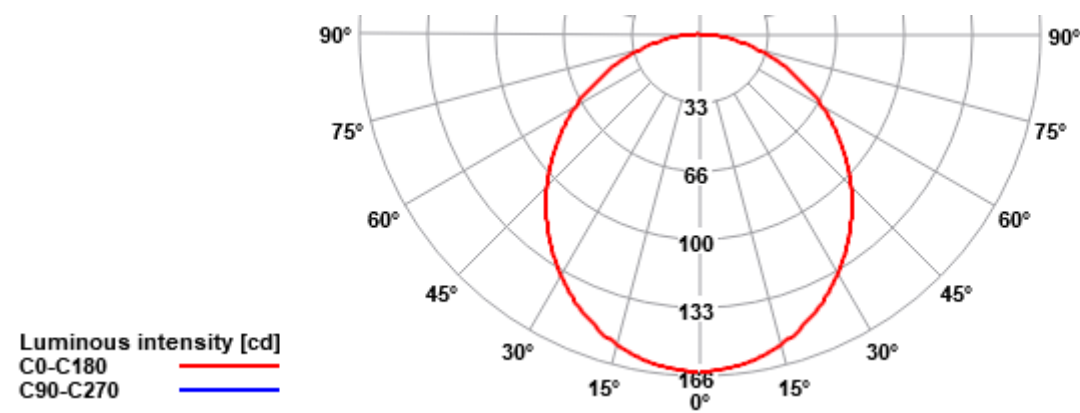
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	455,48 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	164,60 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	48,56 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4358
y	0,4001
Angular Colour Uniformity	0,0035

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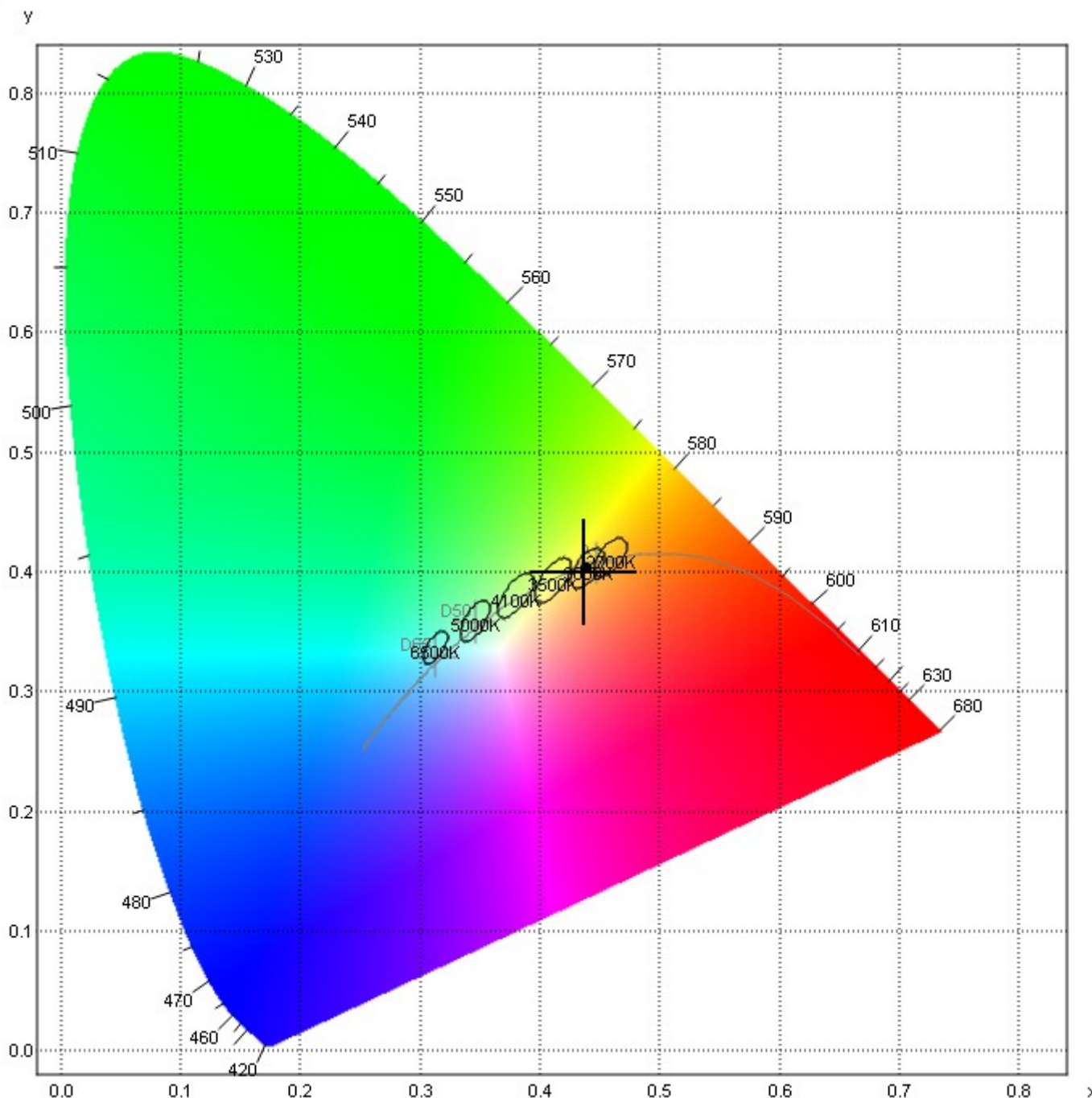
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Beam cone

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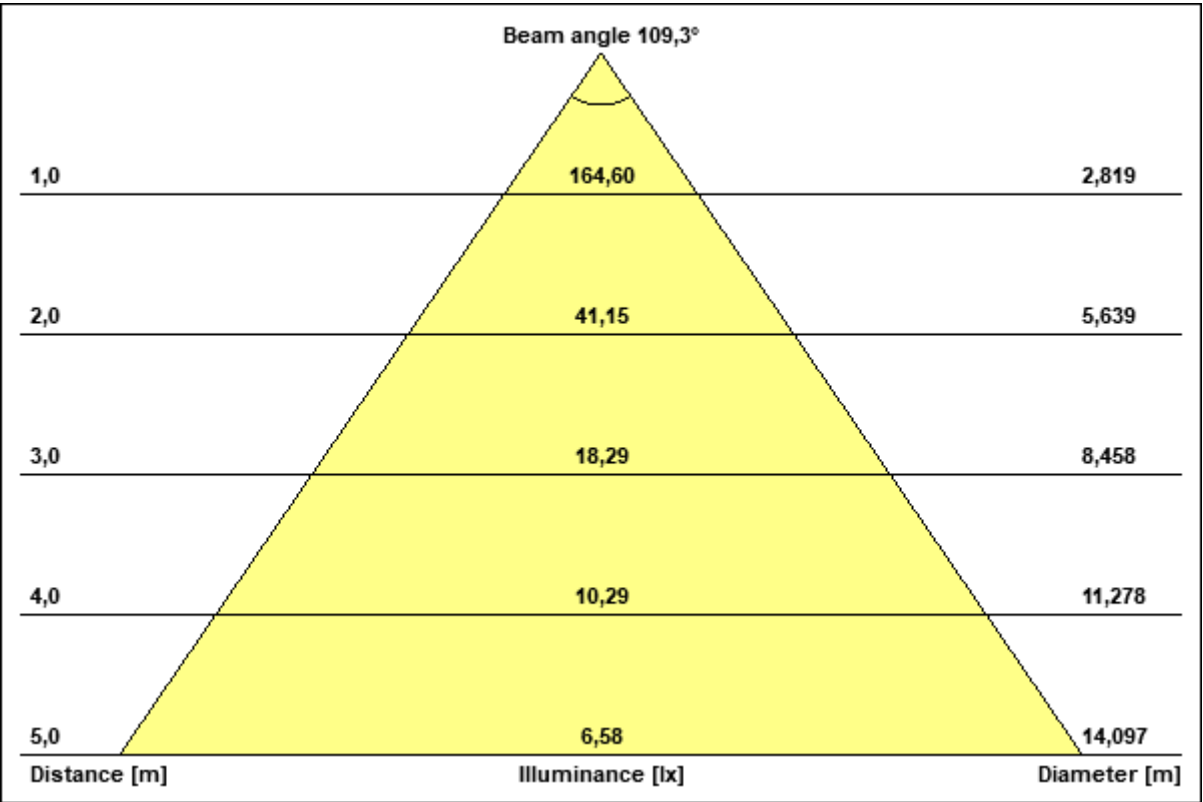
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Stabilization

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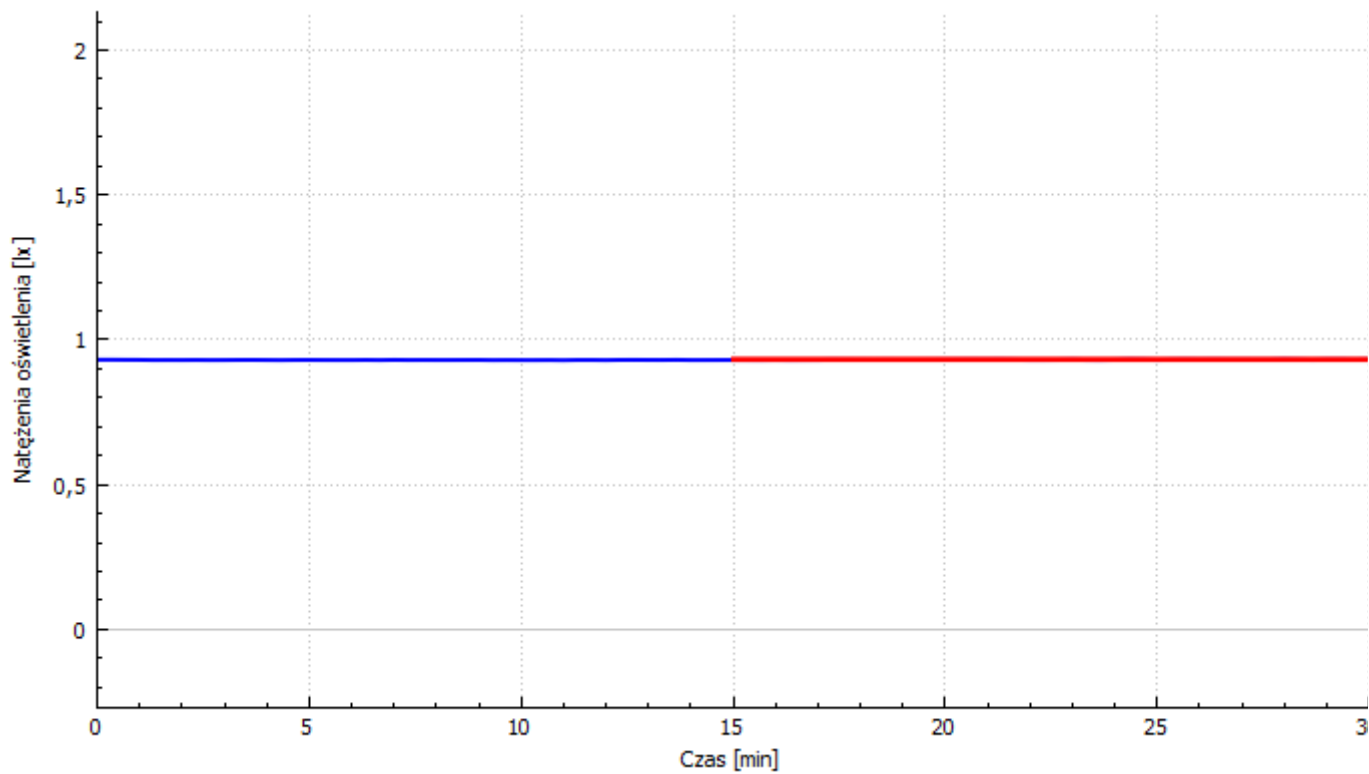
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3D Chart

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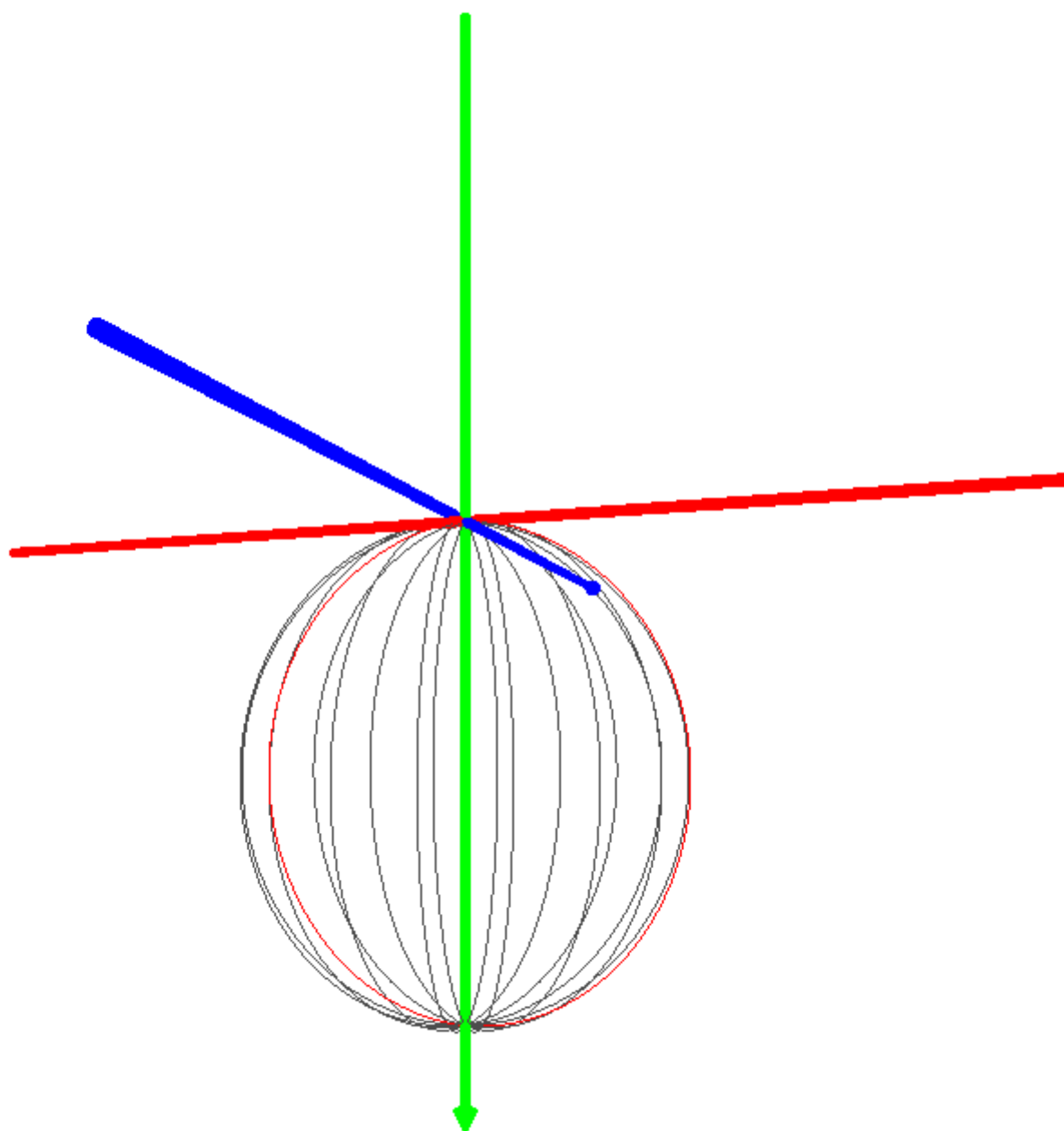
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Legend

- C0-C180

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- C90-C270
- G0-G180

U(%f)

I(%f)

**Ext
end
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			P(%f)
0	0,0111	25,493	-0,00379
1	100,000	100,000	100,000
2	0,0149	38,024	0,00555
3	0,0394	91,882	0,0406
4	0,0127	37,823	0,0045
5	0,0432	90,620	0,0388
6	0,0137	37,464	0,00484
7	0,0354	88,715	0,0303
8	0,0149	36,950	0,00464
9	0,0399	86,222	0,0305
10	0,0154	36,295	0,00473
11	0,0448	83,191	0,0322
12	0,0169	35,493	0,00445
13	0,0416	79,661	0,0252
14	0,0168	34,527	0,00371
15	0,044	75,725	0,024
16	0,0175	33,408	0,00339
17	0,0458	71,403	0,0221
18	0,0173	32,122	0,00317
19	0,0443	66,783	0,0186
20	0,0184	30,691	0,00318
21	0,0459	61,966	0,0171

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22	0,0182	29,111	0,00269
23	0,0462	57,012	0,0149
24	0,0185	27,398	0,00218
25	0,0424	51,949	0,0109
26	0,0176	25,586	0,00189
27	0,0399	46,934	0,00867
28	0,0171	23,664	0,00154
29	0,038	41,975	0,00698
30	0,0157	21,682	0,00128
31	0,0345	37,169	0,00553
32	0,0155	19,652	0,00098
33	0,0341	32,602	0,00444
34	0,0145	17,574	0,000822
35	0,0315	28,296	0,00352
36	0,0131	15,522	0,000508
37	0,0275	24,274	0,00248
38	0,0111	13,514	0,000316
39	0,0248	20,629	0,00175
40	0,00981	11,600	0,000253
41	0,0227	17,422	0,0014
42	0,00888	9,760	0,00021
43	0,019	14,617	0,000877
44	0,00768	8,087	0,000142
45	0,016	12,277	0,000496
46	0,00607	6,602	5,77e-05
47	0,0165	10,457	0,000554
48	0,00572	5,374	2,83e-05
49	0,0131	9,018	0,000223
50	0,00403	4,484	1,69e-05

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