

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Magnetic27 Nora 18W 3000K*
Item No: *AZ6095*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6095*
LuminaireName: *Alfa Track Magnetic 27 Nora 18W 3000K*
LuminaireNumber: *AZ6095*
FileName: *AZ6095.Idt*
Date: *2024-10-09*

Dimensions of luminaire

Length: *450 mm*
Width: *22 mm*
Height: *27 mm*

Dimensions of luminous area

Length: *340 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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Raiffeisen Bank Polska S.A.

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: *1252,94 lm*
Color temperatur: *3067 K*
Color rendering index: *82,87*
Wattage including ballast: *18,50 W*

Utilization factors:

k = 0.60	<i>0,709</i>
k = 0.80	<i>0,754</i>
k = 1.00	<i>0,804</i>
k = 1.25	<i>0,841</i>
k = 1.50	<i>0,868</i>
k = 2.00	<i>0,920</i>
k = 2.50	<i>0,929</i>
k = 3.00	<i>0,942</i>
k = 4.00	<i>0,963</i>
k = 5.00	<i>0,977</i>

Electrical parameters

<i>U</i>	<i>= 229,652 V</i>
<i>I</i>	<i>= 0,254 A</i>
<i>P</i>	<i>= 18,502 W</i>
<i>Power factor</i>	<i>= 0,318</i>

<i>Power apparent</i>	<i>= 58,227 VA</i>
<i>Power Reactive</i>	<i>= -42,958 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 307,291 %</i>

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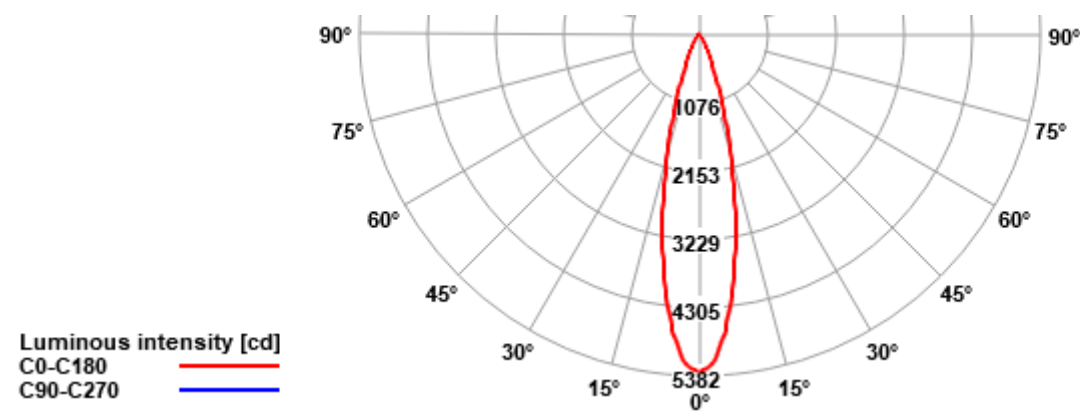
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	1252,94 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	5328,57 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	67,73 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4329
y	0,4039
Angular Colour Uniformity	0,0067

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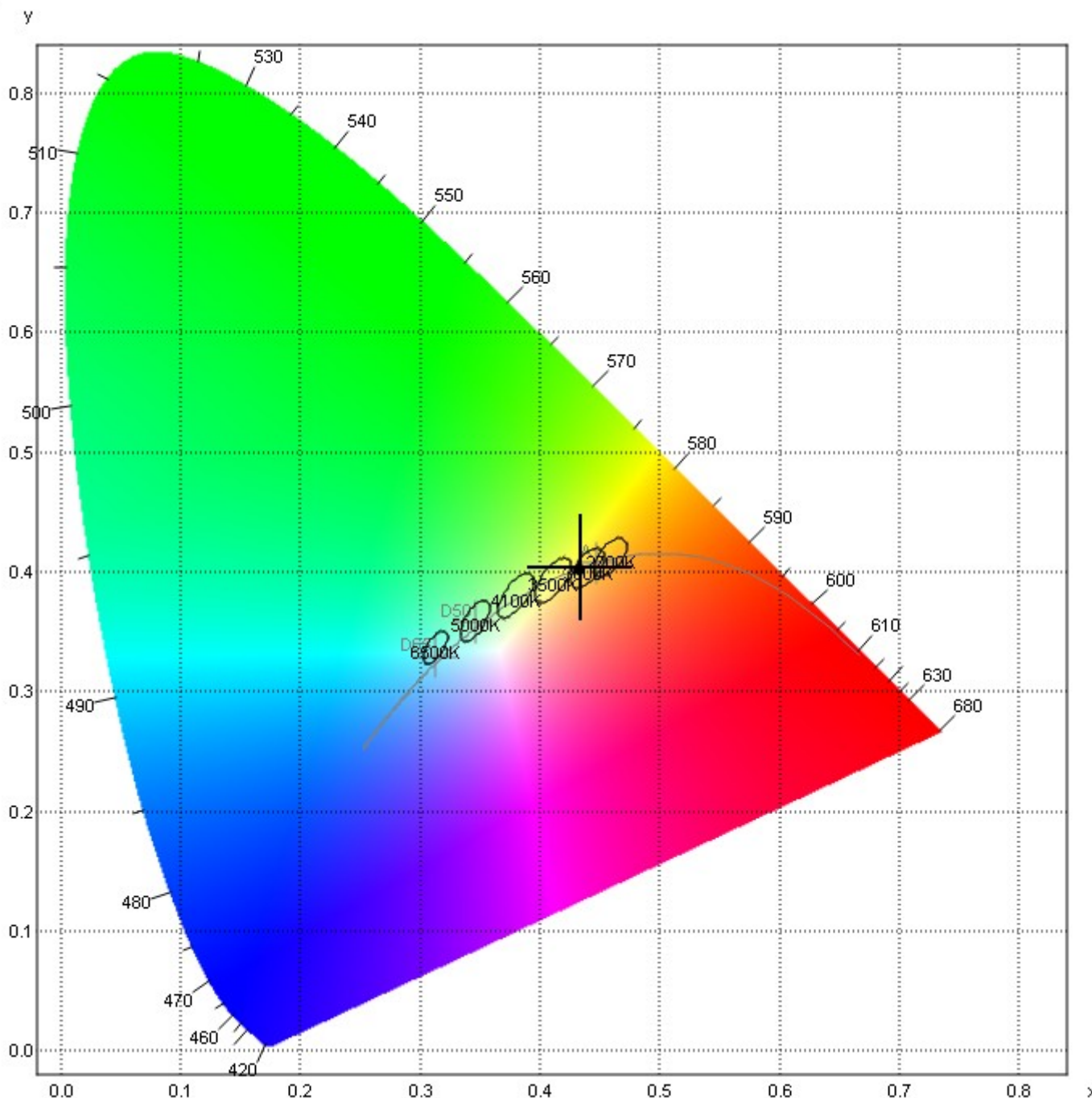
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Beam cone

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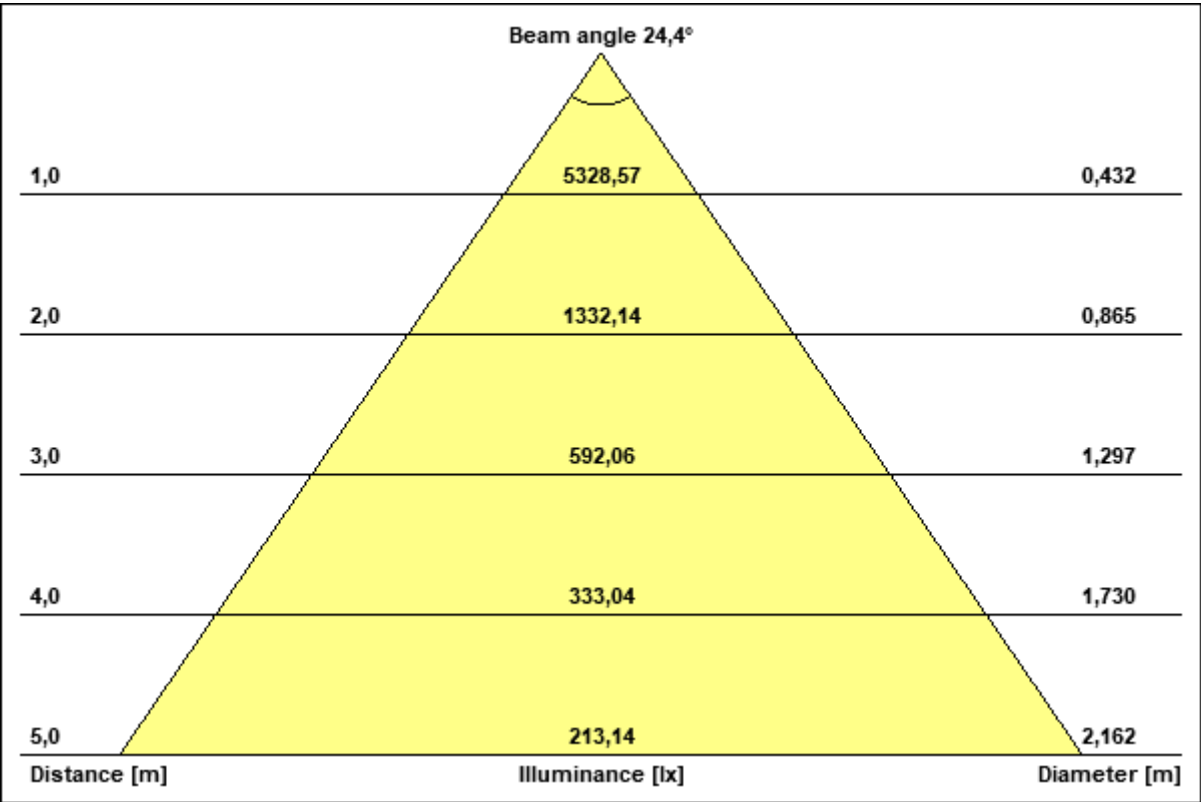
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Stabilization

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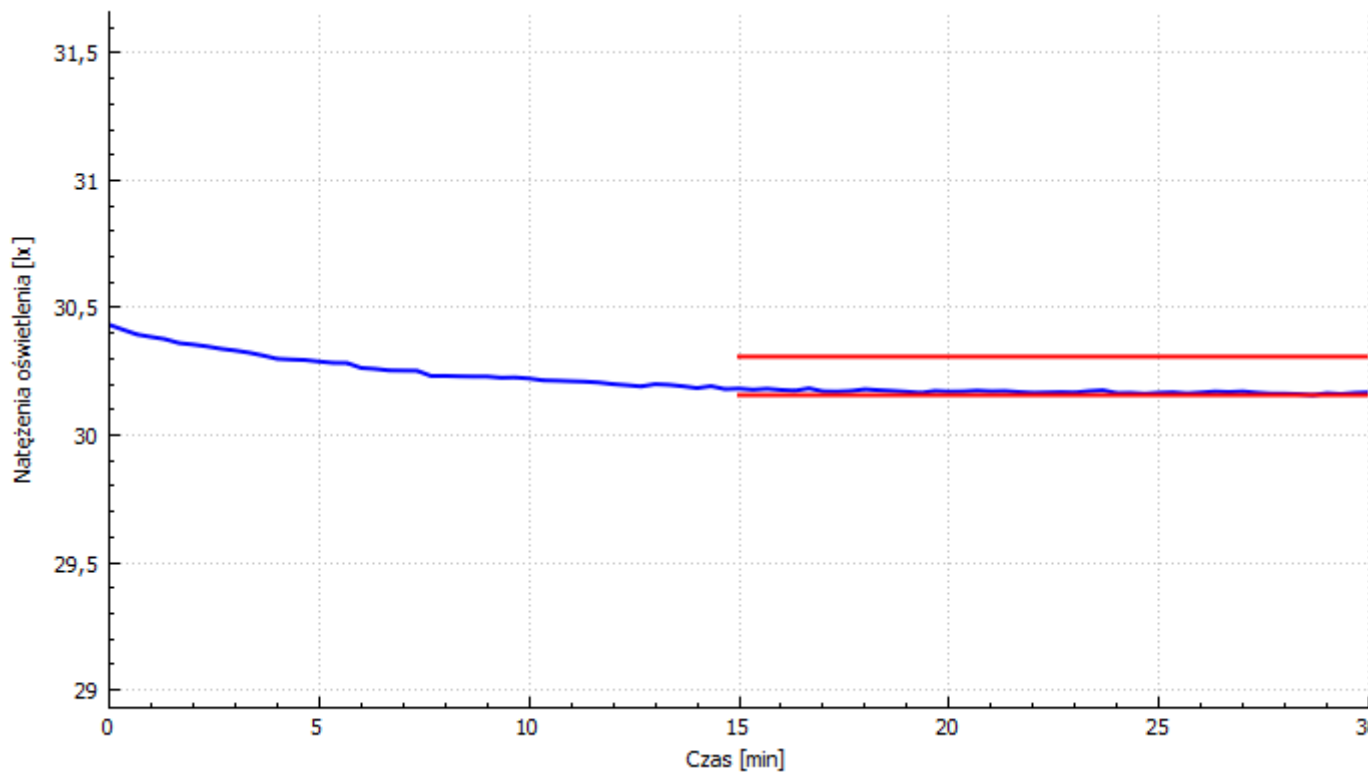
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3D Chart

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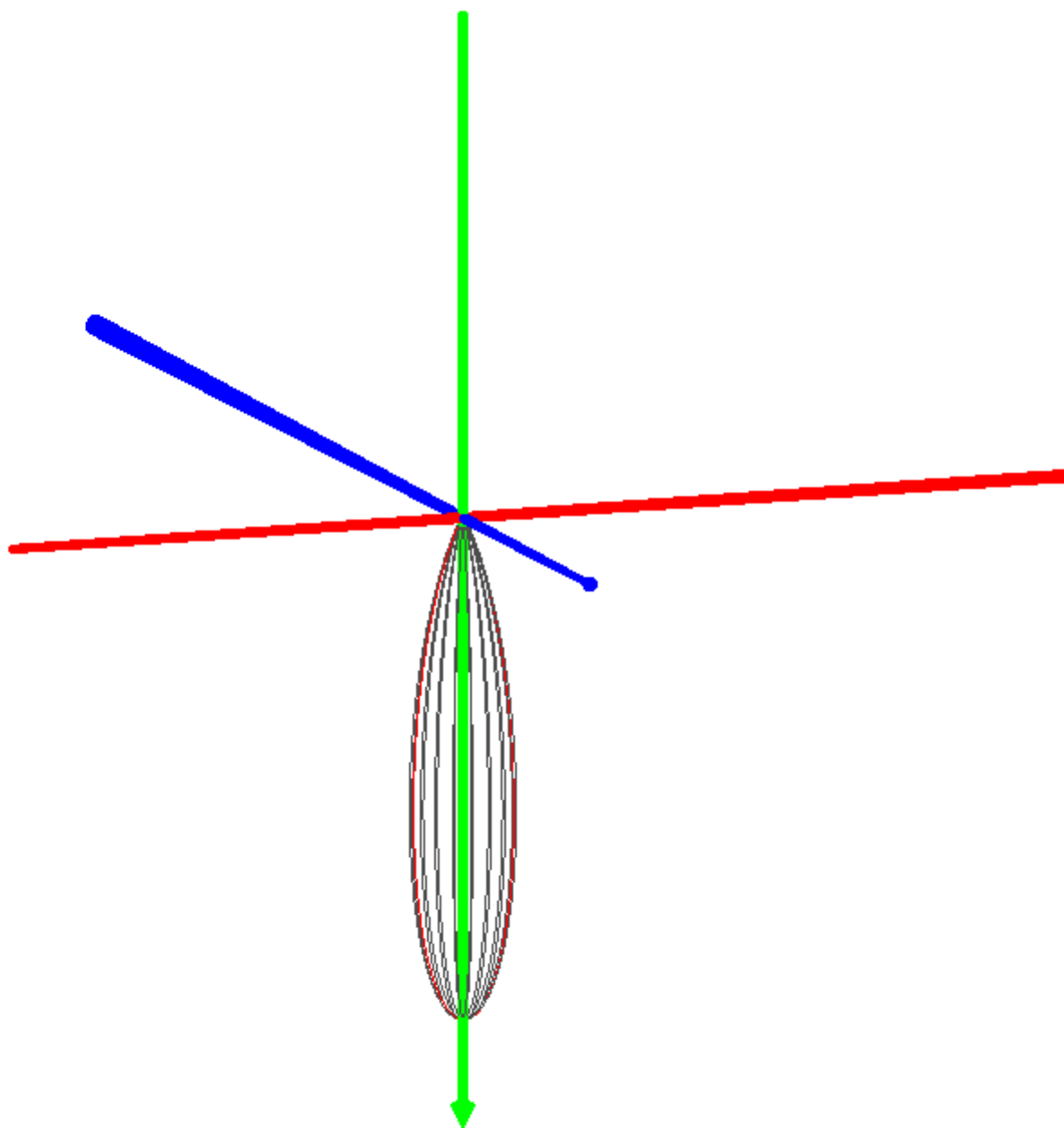
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

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			P(%f)
0	0,00129	0,288	2,53e-06
1	100,000	100,000	100,000
2	0,00388	1,648	4,93e-05
3	0,0788	96,764	0,0785
4	0,00124	1,814	2,53e-06
5	0,0814	95,317	0,0758
6	0,00191	2,056	4,24e-05
7	0,0759	93,219	0,0659
8	0,00277	2,331	5e-05
9	0,0803	90,445	0,0642
10	0,00268	2,596	8,54e-05
11	0,0869	87,086	0,0622
12	0,00432	2,858	0,000111
13	0,0834	83,170	0,0534
14	0,00446	3,080	0,000151
15	0,0862	78,800	0,0482
16	0,00489	3,272	0,00015
17	0,088	74,016	0,0427
18	0,00483	3,410	0,000147
19	0,0854	68,917	0,0364
20	0,00501	3,491	0,00015
21	0,0861	63,589	0,0312

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22	0,00528	3,523	0,000184
23	0,0849	58,109	0,0265
24	0,0059	3,497	0,000192
25	0,0791	52,560	0,0204
26	0,00637	3,440	0,000182
27	0,0737	47,023	0,0163
28	0,00623	3,326	0,000154
29	0,0696	41,607	0,0128
30	0,0059	3,177	0,000118
31	0,0642	36,359	0,00991
32	0,00545	2,987	9,03e-05
33	0,0592	31,380	0,00725
34	0,00489	2,774	0,0001
35	0,0533	26,720	0,00511
36	0,00518	2,543	0,0001
37	0,0461	22,434	0,00347
38	0,00506	2,319	6,86e-05
39	0,0398	18,606	0,00234
40	0,00477	2,092	4,27e-05
41	0,0355	15,287	0,00161
42	0,00428	1,870	3,34e-05
43	0,0289	12,495	0,0011
44	0,00385	1,685	2,41e-05
45	0,0245	10,329	0,000714
46	0,00338	1,522	2,14e-05
47	0,0236	8,802	0,000509
48	0,00361	1,397	3,14e-05
49	0,0203	7,832	0,00037
50	0,004	1,322	2,92e-05

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