

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Mitus Track Magnetic 18W CCT Switch*
Item No: *AZ6257*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6257_3000*
LuminaireName: *Alfa Mitus Track Magnetic 2Line 18W CCT Switch*
LuminaireNumber: *AZ6257*
FileName: *AZ6257_3000.ldt*
Date: *2024-09-23*

Dimensions of luminaire

Length: *155 mm*
Width: *0 mm*
Height: *125 mm*

Dimensions of luminous area

Length: *150 mm*
Width: *0 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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NIP: 783-171-97-20

ul. Poznańska 70

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REGON 360317241

PL-62-040 Puszczkowo; 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: *1606,96 lm*
 Color temperatur: *2962 K*
 Color rendering index: *92,76*
 Wattage including ballast: *20,15 W*

Utilization factors:

$k = 0.60$	<i>0,304</i>
$k = 0.80$	<i>0,389</i>
$k = 1.00$	<i>0,463</i>
$k = 1.25$	<i>0,536</i>
$k = 1.50$	<i>0,593</i>
$k = 2.00$	<i>0,680</i>
$k = 2.50$	<i>0,728</i>
$k = 3.00$	<i>0,766</i>
$k = 4.00$	<i>0,817</i>
$k = 5.00$	<i>0,849</i>

Electrical parameters

U = *229,664 V*
 I = *0,103 A*
 P = *20,148 W*
 Power factor = *0,849*

Power apparent = *23,734 VA*
 Power Reactive = *-12,544 var*
 Frequency Voltage = *50,001 Hz*
 THD = *30,824 %*

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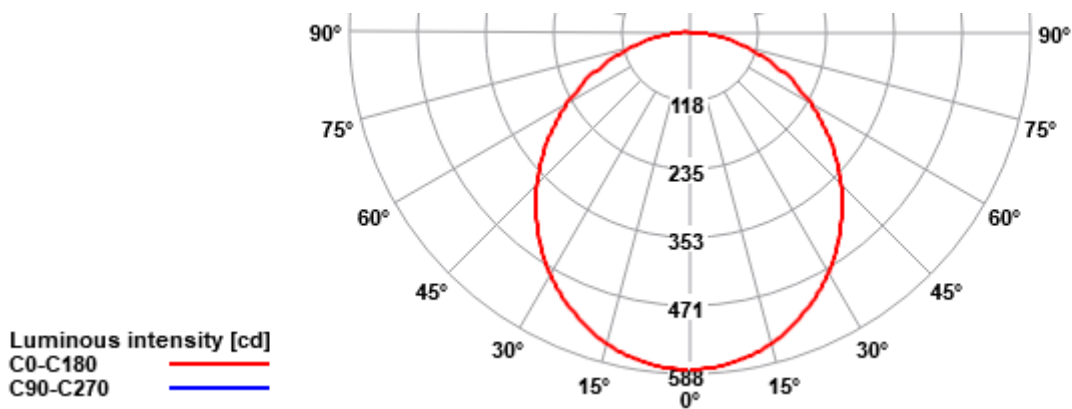
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminaire flux)	1606,96 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	582,58 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	79,75 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4372
y	0,4000
Angular Colour Uniformity	0,0017

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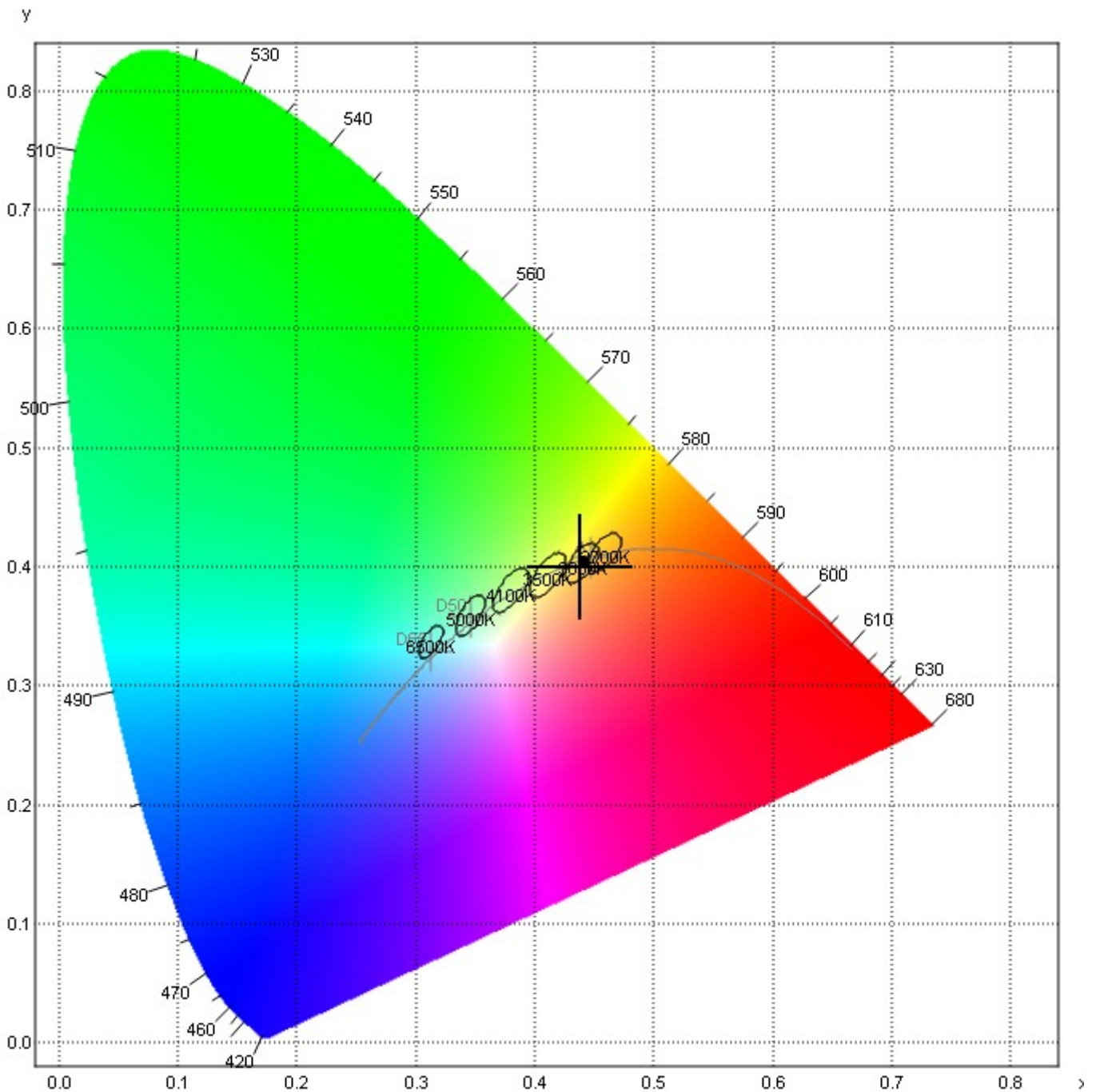
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Beam cone

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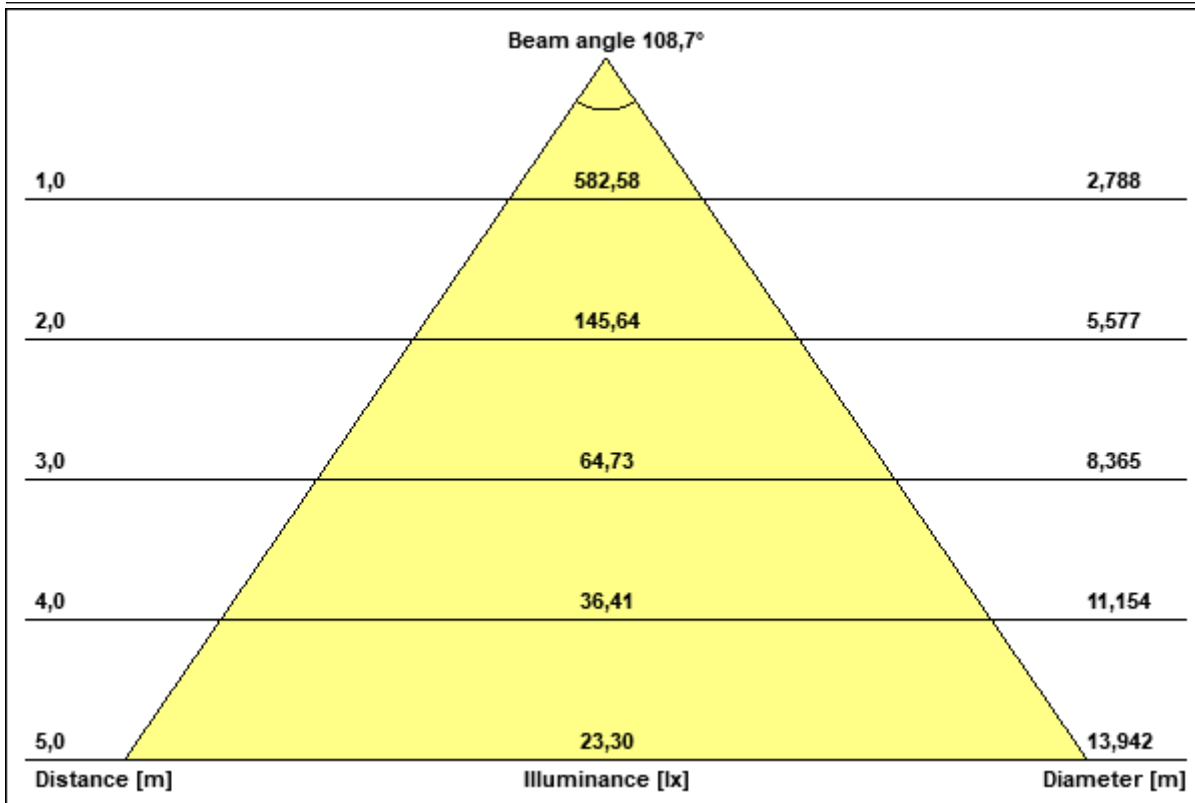
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Stabilization

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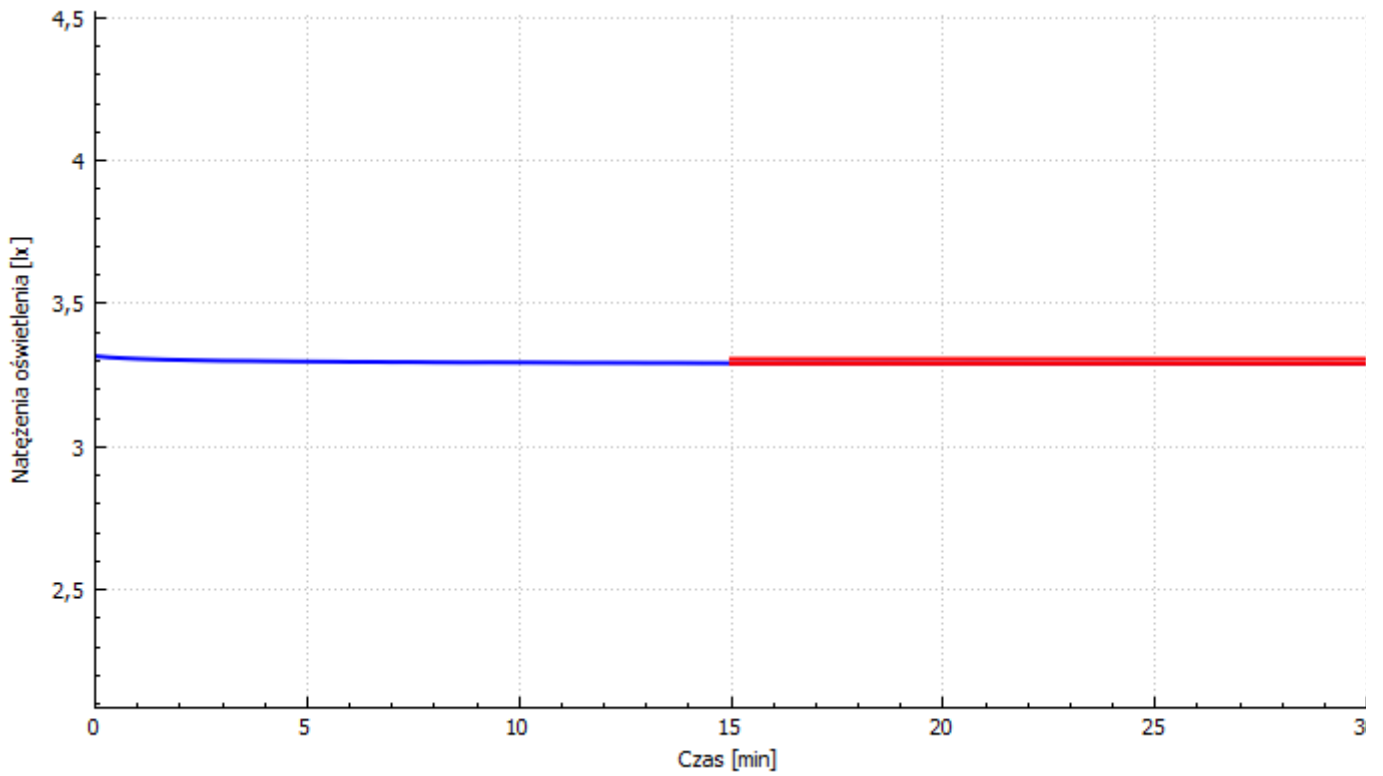
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3D Chart

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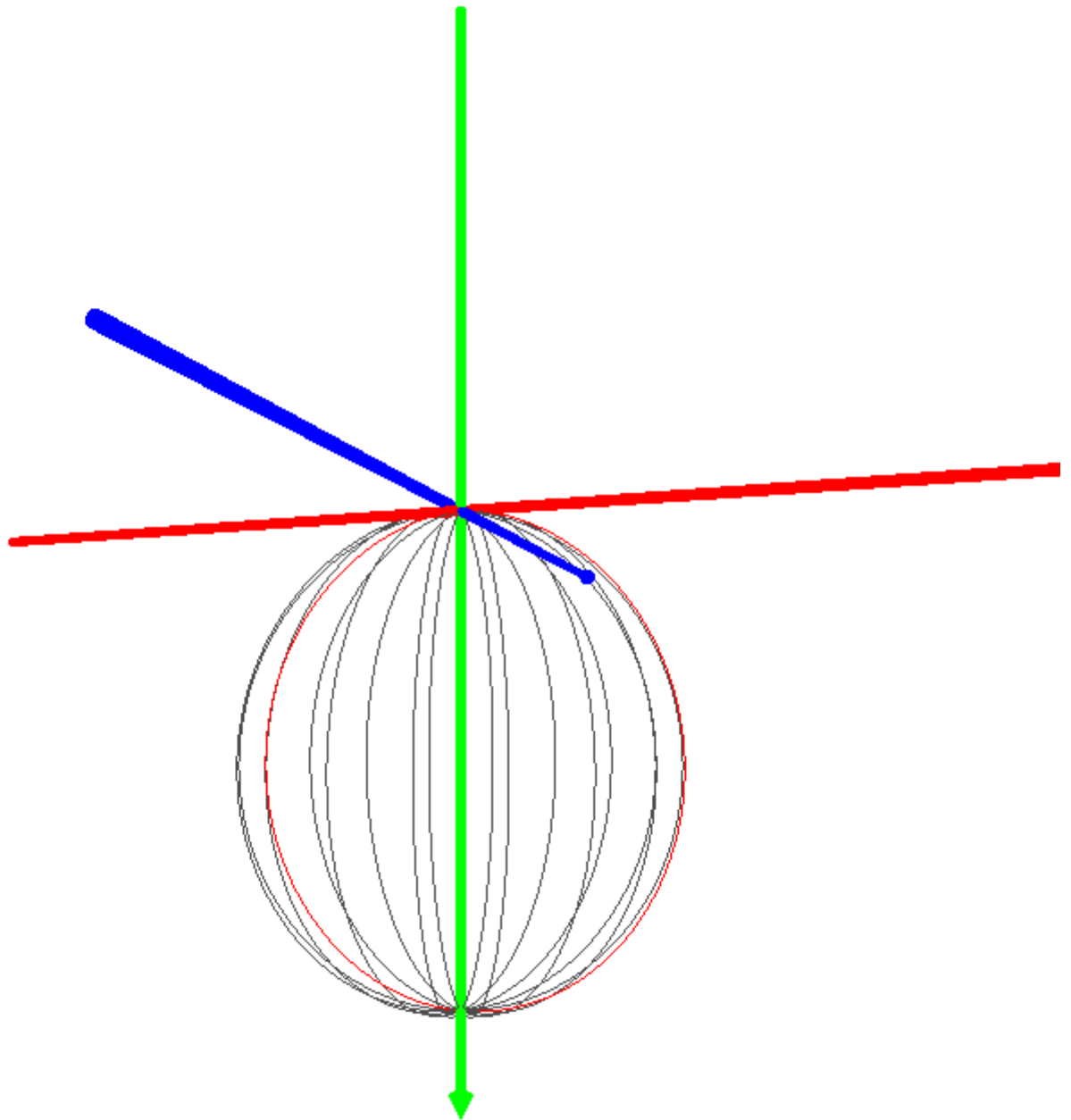
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

I(%f)

P(%f)

**Ext
end
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0	0,0026	0,0812	-1,73e-05
1	100,000	100,000	100,000
2	0,0038	0,284	5,69e-06
3	0,00646	22,613	0,000396
4	0,00189	0,170	5,7e-06
5	0,00343	13,934	0,000428
6	0	0,131	0
7	0,0036	8,267	0,000213
8	0	0,187	0
9	0,00299	3,412	6,52e-05
10	0	0,0999	0
11	0,00712	6,242	0,000152
12	0,00102	0,187	-1,54e-07
13	0,00513	3,004	7,07e-05
14	0	0,192	0
15	0,00359	3,272	7,08e-05
16	0	0,0864	0
17	0,0026	3,027	-3,31e-05
18	0	0,161	0
19	0,00247	1,998	-2,13e-05
20	0	0,104	0
21	0,00619	3,413	2,31e-05

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22	0,0011	0,150	4,17e-07
23	0	2,339	0
24	0,000848	0,166	-1,94e-06
25	0,00564	3,420	-7e-05
26	0	0,116	0
27	0,00879	3,628	4,03e-05
28	0	0,200	0
29	0,00594	2,776	4,86e-05
30	0,000916	0,155	-2,89e-06
31	0,0079	3,486	8,04e-05
32	0	0,137	0
33	0,0063	2,180	4,93e-05
34	0	0,126	0
35	0,00826	3,058	6,09e-05
36	0	0,216	0
37	0,00391	1,722	5,9e-05
38	0	0,223	0
39	0,00432	2,014	2,27e-05
40	0,0012	0,156	-3,18e-06
41	0,00249	1,660	2,17e-05
42	0,00102	0,126	2,06e-06
43	0,00121	0,747	3,02e-06
44	0	0,0925	0
45	0,00247	1,213	-1,83e-05
46	0,000939	0,196	-2,86e-06
47	0,00522	1,199	-8,96e-06
48	0	0,125	0
49	0,00339	0,994	5,47e-06
50	0,00163	0,191	2,11e-06

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