

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Andrea 120 3000K*
Item No: *AZ5104*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ5104*
LuminaireName: *Andrea 120 3000K*
LuminaireNumber: *AZ5104*
FileName: *AZ5104.ldt*
Date: *2024-12-17*

Dimensions of luminaire

Length: *1200 mm*
Width: *0 mm*
Height: *2000 mm*

Dimensions of luminous area

Length: *1200 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.
ul. Poznańska 70
PL-62-040 Puszczykowo; Poland
Tel.: +48 61 819 40 03

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

Number of lamps: -1
Type of lamps: LED
Total luminous flux: 2481,67 lm
Color temperatur: 2803 K
Color rendering index: 81,70
Wattage including ballast: 108,00 W

Utilization factors:

k = 0.60	0,288
k = 0.80	0,372
k = 1.00	0,445
k = 1.25	0,518
k = 1.50	0,575
k = 2.00	0,663
k = 2.50	0,713
k = 3.00	0,751
k = 4.00	0,804
k = 5.00	0,837

Electrical parameters

U = 229,562 V
 I = 0,476 A
 P = 108,005 W
Power factor = 0,989

Power apparent = 109,195 VA
Power Reactive = -16,024 var
Frequency Voltage = 50,002 Hz
THD = 9,442 %

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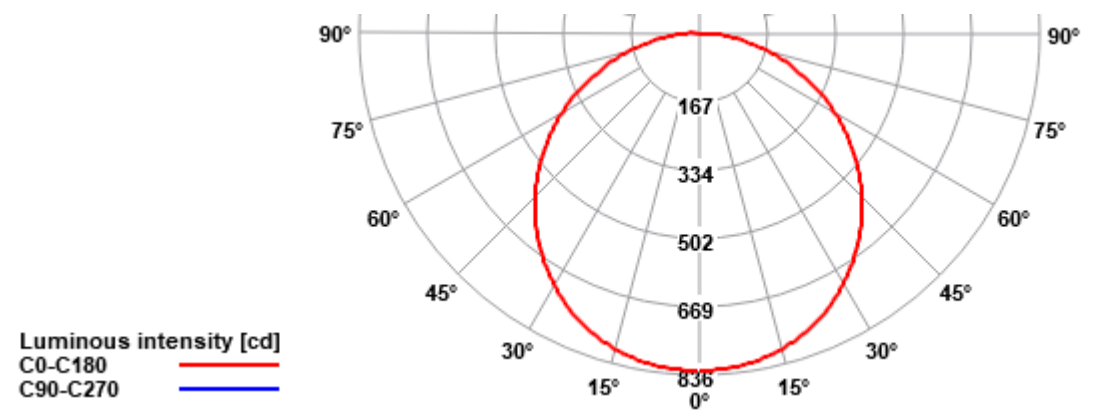
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	2481,67 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	827,62 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	22,98 lm/W

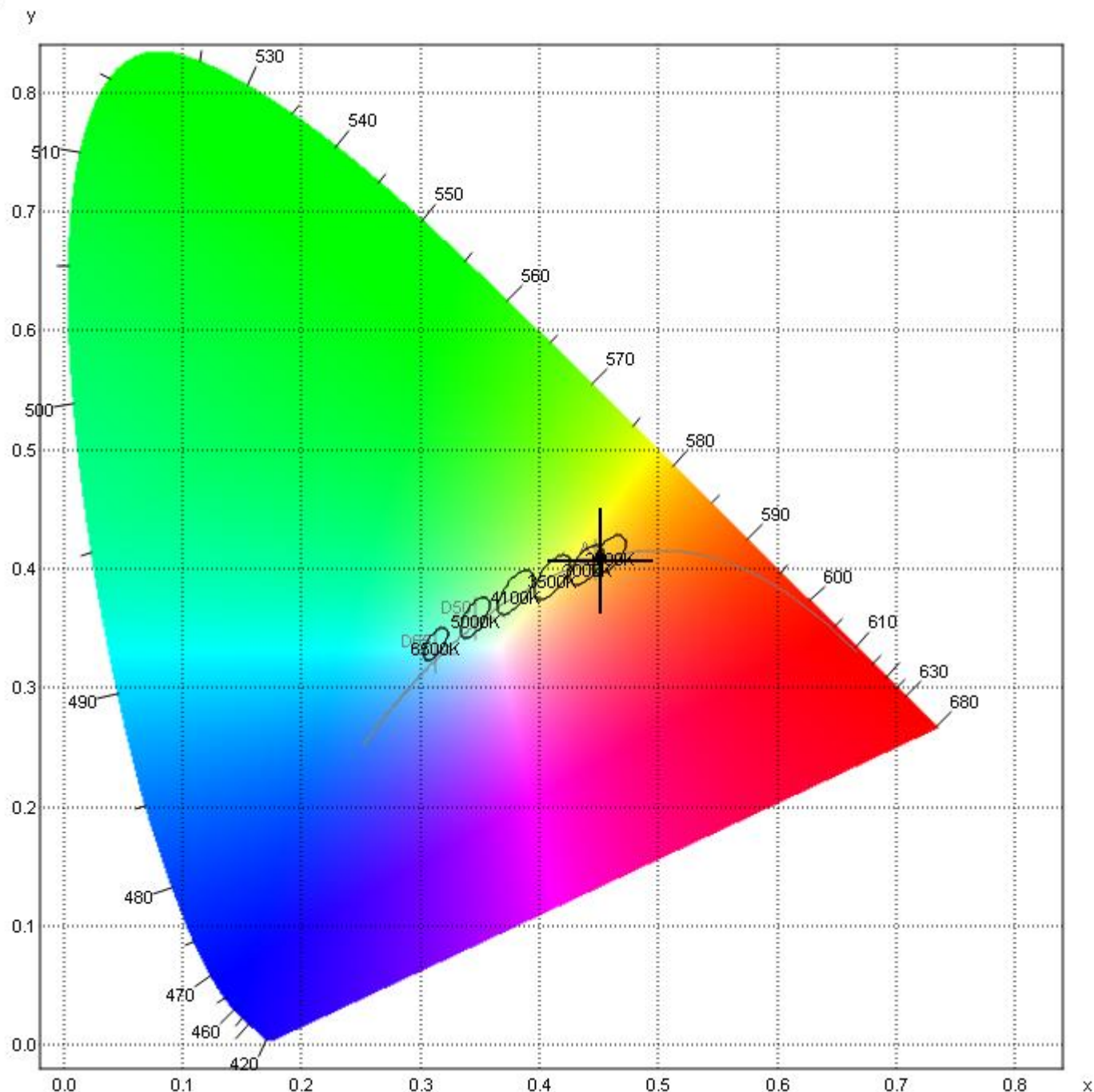
Light intensity distribution diagram



CIE 1931 diagram

x	0,4507
y	0,4068
Angular Colour Uniformity	0,0031

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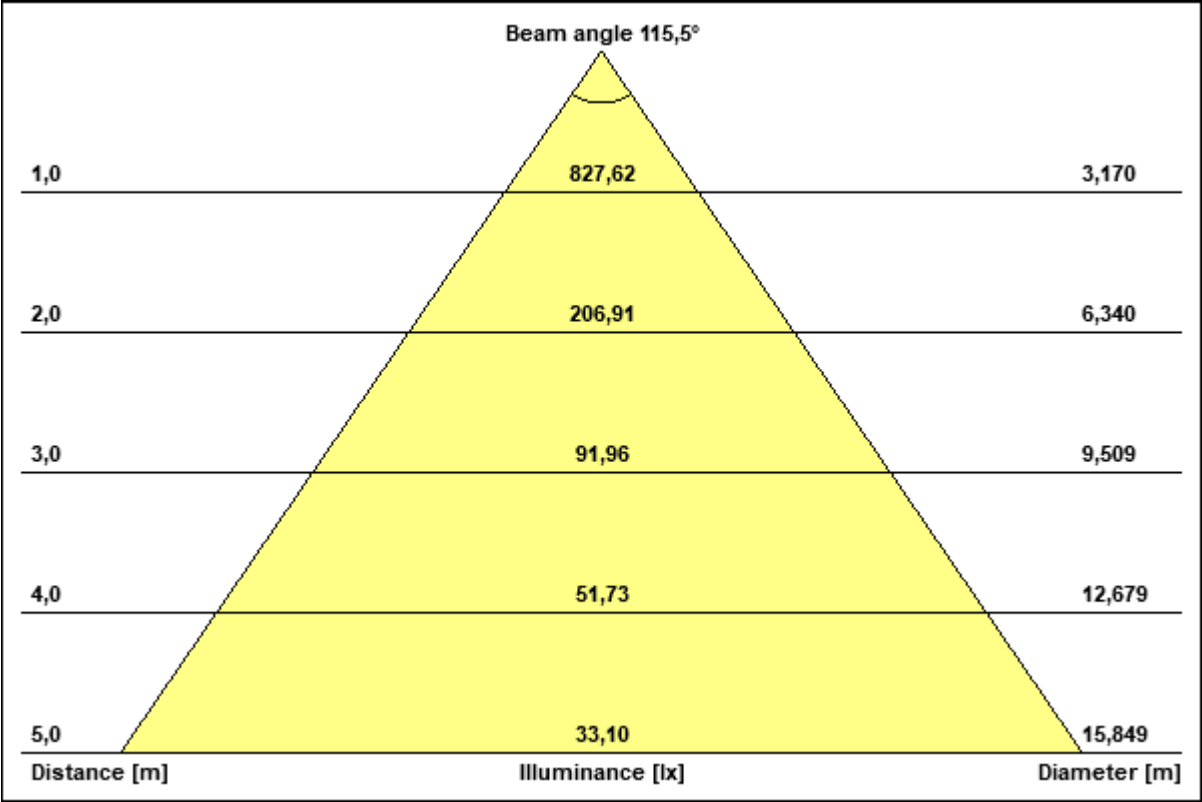
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Beam cone



Stabilization

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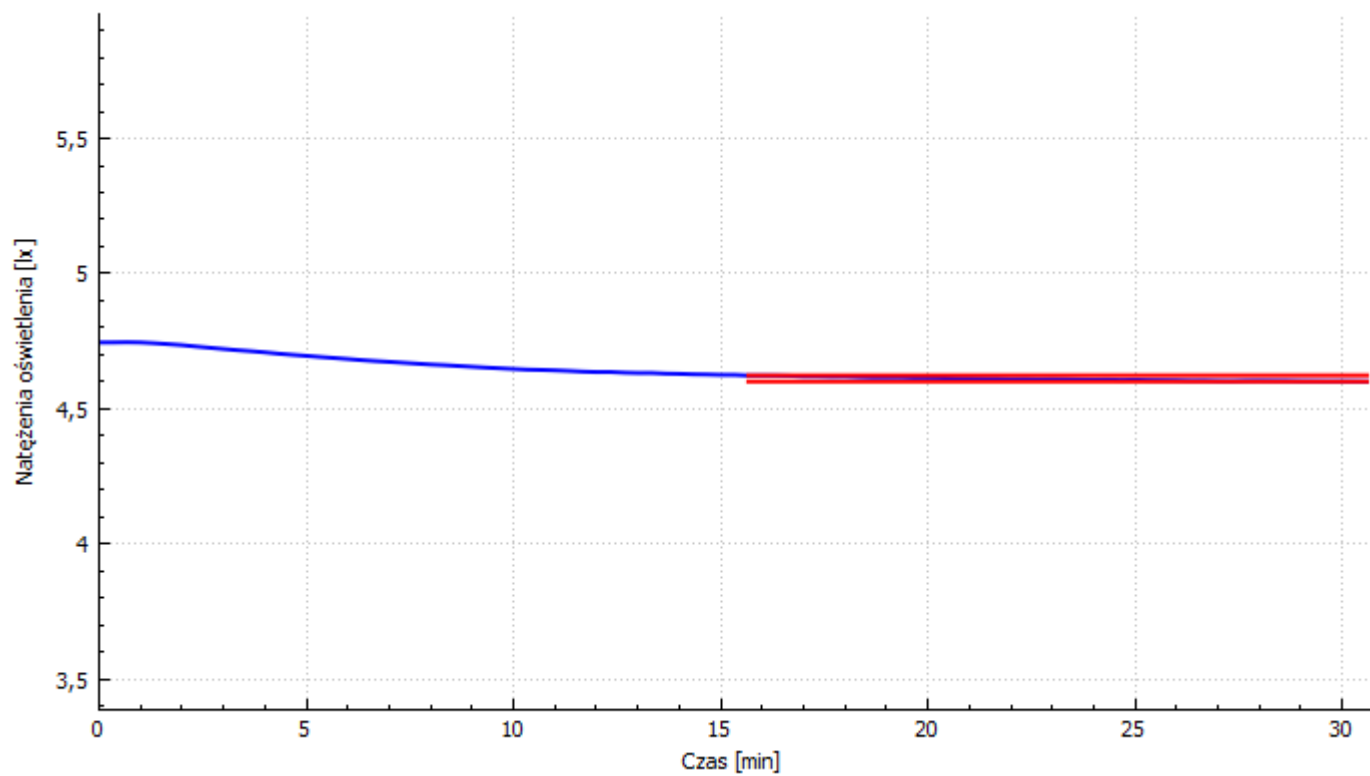
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3D Chart

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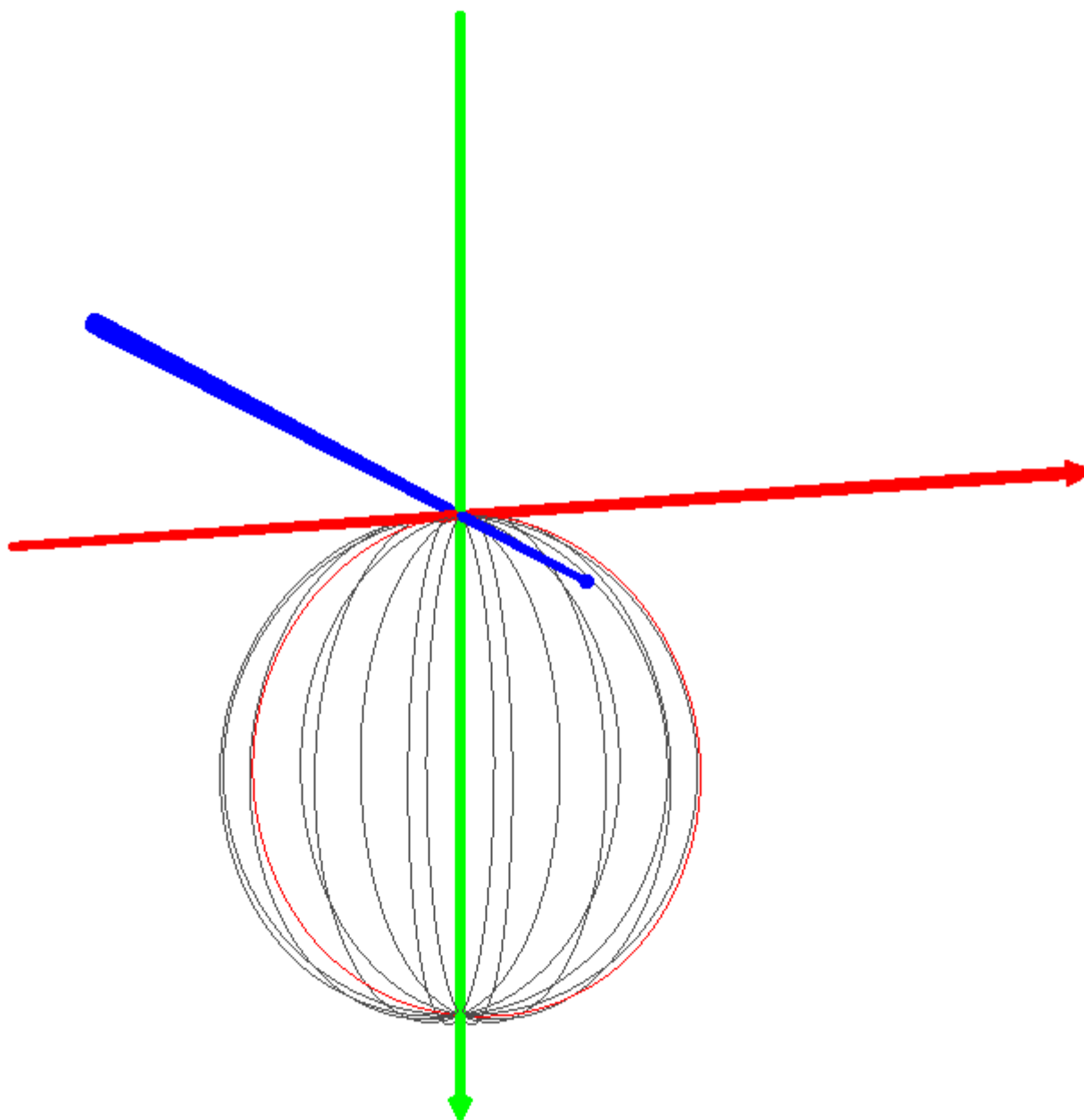
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Legend

— - C0-C180

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- C90-C270
- G0-G180

Extended
electrical
report

U(%f)

I(%f)

P(%f)

0	0,00949	0,127	-1,51e-05
1	100,000	100,000	100,000
2	0,00468	0	-2,08e-06
3	0,0333	8,620	0,00287
4	0,00292	0,089	4,68e-07
5	0,0113	1,531	0,000168
6	0,00124	0,0847	1,38e-07
7	0,00759	1,164	9,99e-05
8	0	0,0702	8,68e-08
9	0,0042	0,828	2,98e-05
10	0	0,0728	0
11	0,00964	1,266	0,000105
12	0	0,0616	0
13	0,0115	1,771	0,000138
14	0	0	0
15	0,00795	1,316	6,96e-05
16	0	0,0646	0
17	0,00522	1,018	1,74e-05
18	0	0,0684	0
19	0,00628	0,897	2,01e-05
20	0,000929	0	0

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21	0,00275	0,558	1,25e-06
22	0	0	0
23	0,00914	0,620	2,68e-05
24	0	0,0469	6,98e-08
25	0,00319	0,341	-1,36e-06
26	0	0,0528	1,19e-07
27	0,00233	0,224	1,23e-06
28	0	0,0465	6,48e-08
29	0,000979	0,155	-6,83e-07
30	0	0,104	3,08e-07
31	0,00104	0,0965	0
32	0	0,0773	1,56e-07
33	0,00302	0,288	3,13e-06
34	0	0,0803	0
35	0,00151	0,324	-1,21e-06
36	0	0,0767	0
37	0,00386	0,321	1,98e-06
38	0	0,0729	0
39	0,0046	0,384	4,26e-07
40	0,0013	0,0533	0
41	0,00653	0,377	2,83e-06
42	0,00106	0,0559	5,5e-08
43	0,00625	0,435	4,19e-06
44	0,00148	0,0545	6,06e-07
45	0,00498	0,398	2,5e-06
46	0,00133	0,121	-2,2e-07
47	0,0053	0,283	4,55e-06
48	0,00181	0,0691	-2,28e-07
49	0,00596	0,300	2,96e-06
50	0,00192	0,0589	4,34e-07

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