

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Asteria 30 3000K*
Item No: *AZ2073*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ2073*
LuminaireName: *Asteria 30 3000K*
LuminaireNumber: *AZ2073*
FileName: *AZ2073.Idt*
Date: *2024-06-12*

Dimensions of luminaire

Length: *300 mm*
Width: *300 mm*
Height: *75 mm*

Dimensions of luminous area

Length: *268 mm*
Width: *268 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: *1232,09 lm*
Color temperatur: *2954 K*
Color rendering index: *81,58*
Wattage including ballast: *22,17 W*

Utilization factors:

k = 0.60	<i>0,299</i>
k = 0.80	<i>0,385</i>
k = 1.00	<i>0,460</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>0,728</i>
k = 3.00	<i>0,766</i>
k = 4.00	<i>0,818</i>
k = 5.00	<i>0,850</i>

Electrical parameters

<i>U</i>	<i>= 229,702 V</i>
<i>I</i>	<i>= 0,192 A</i>
<i>P</i>	<i>= 22,167 W</i>
<i>Power factor</i>	<i>= 0,504</i>

<i>Power apparent</i>	<i>= 44,001 VA</i>
<i>Power Reactive</i>	<i>= -38,009 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 161,575 %</i>

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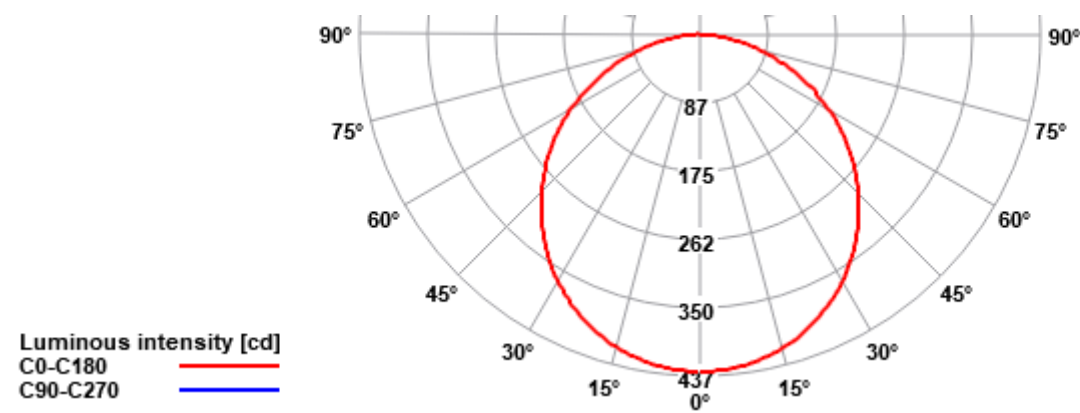
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	1232,09 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	433,02 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	55,57 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4388
y	0,4024
Angular Colour Uniformity	0,0010

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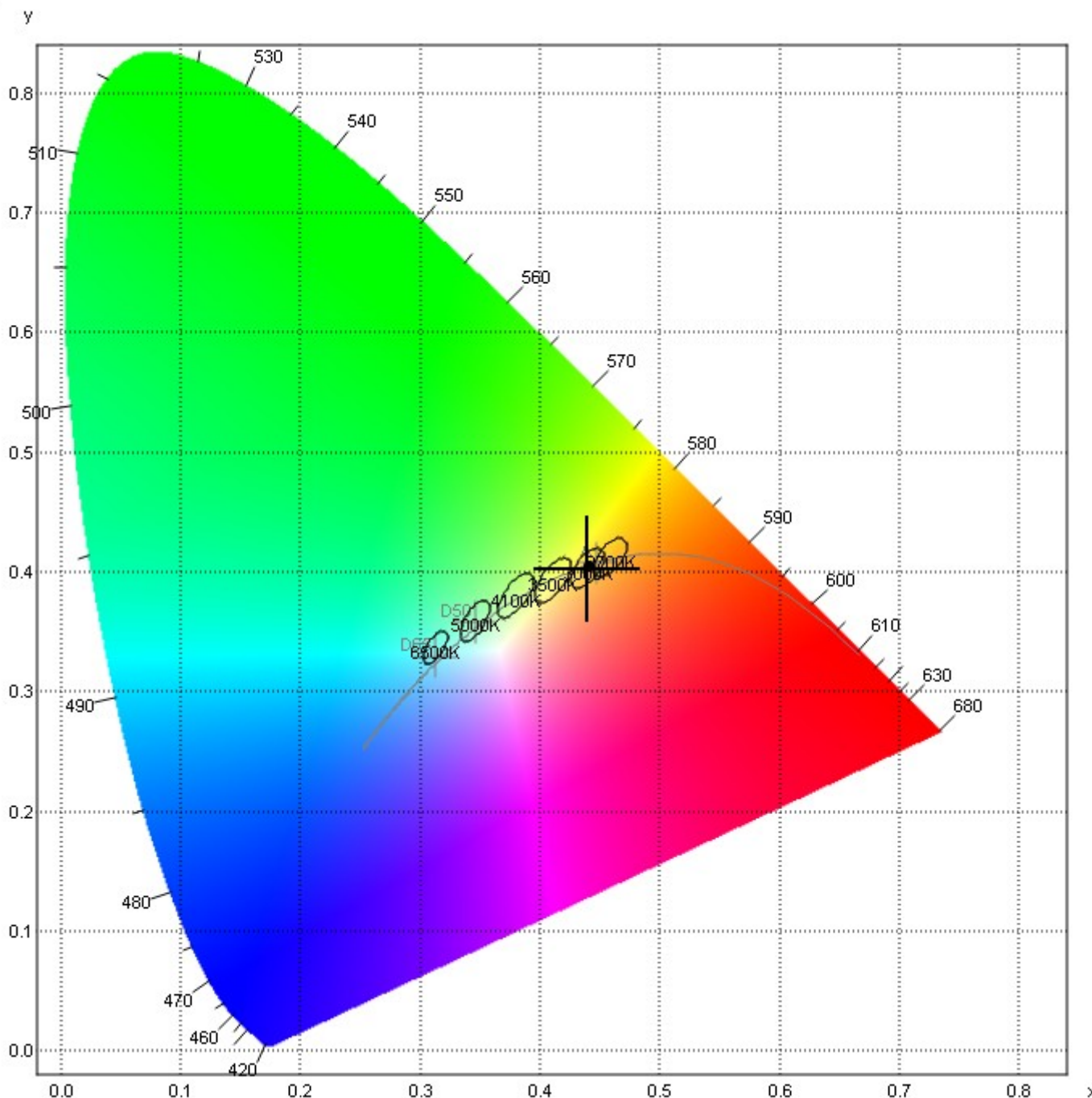
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Beam cone

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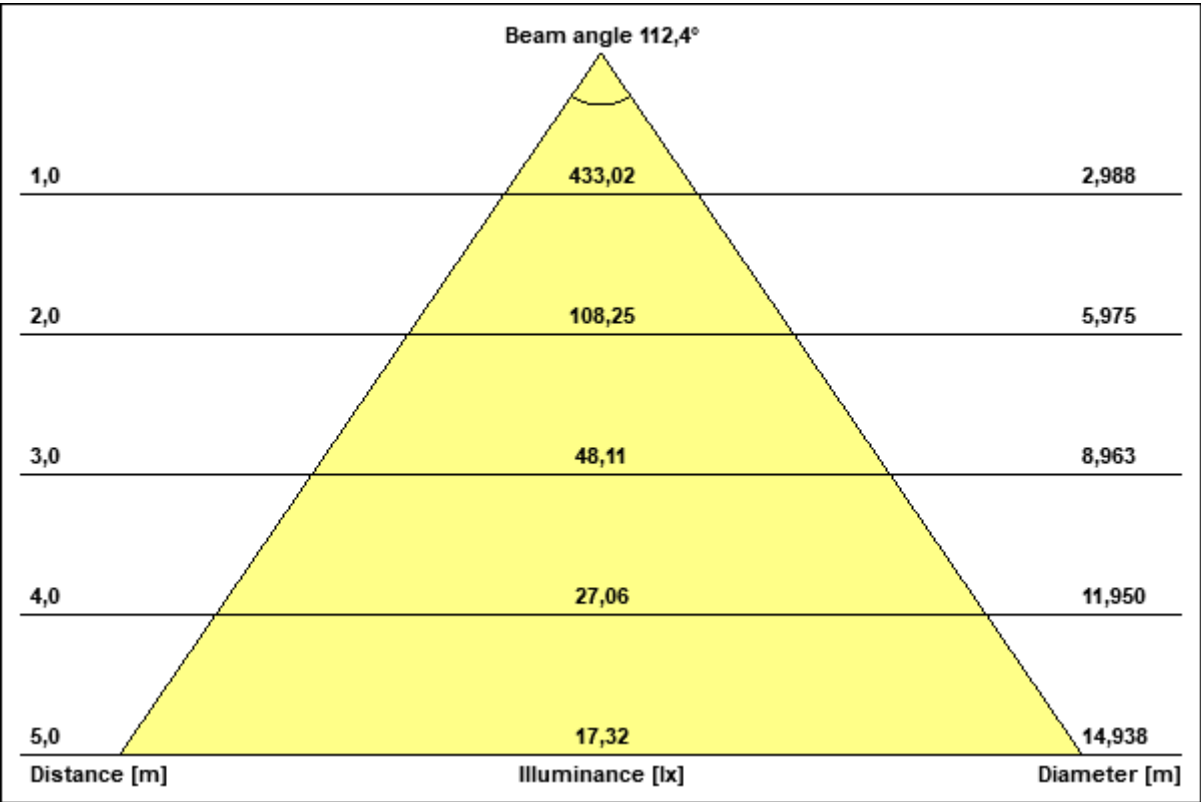
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Stabilization

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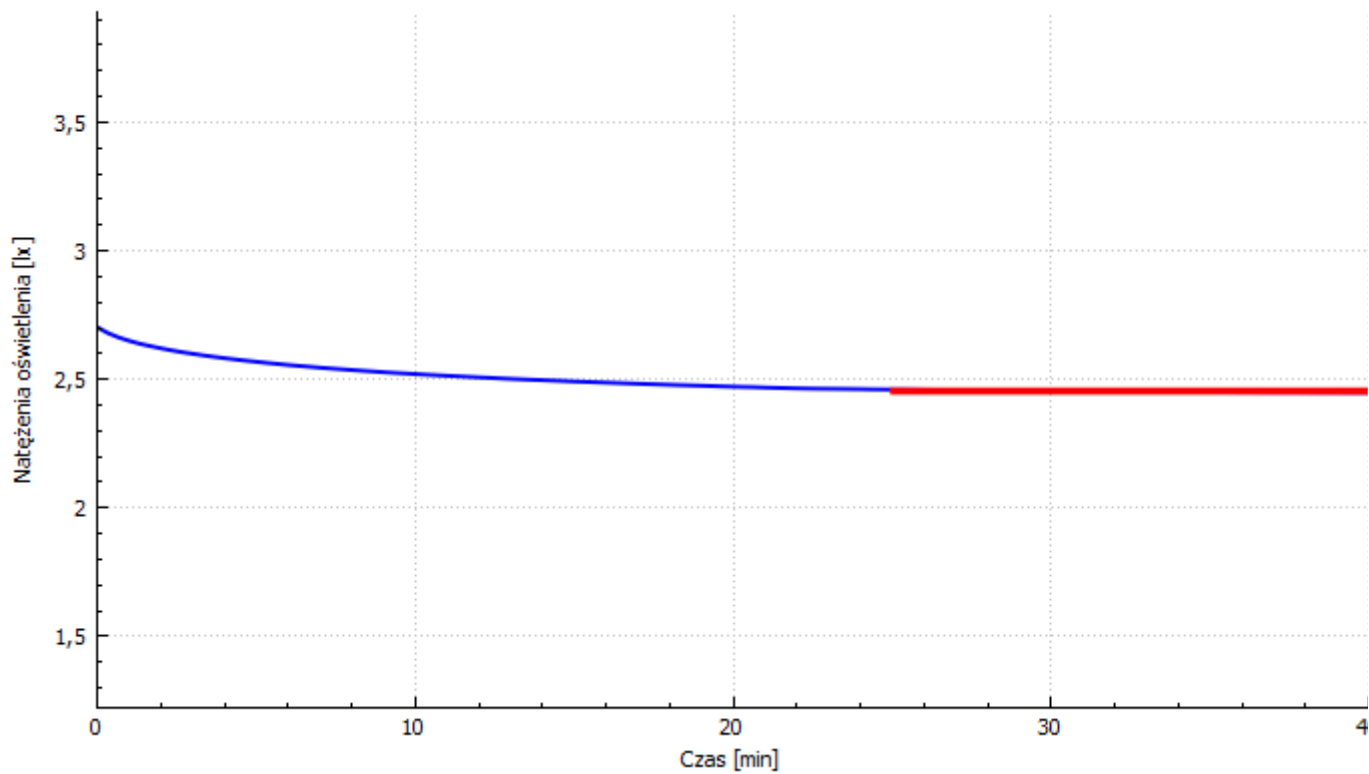
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3D Chart

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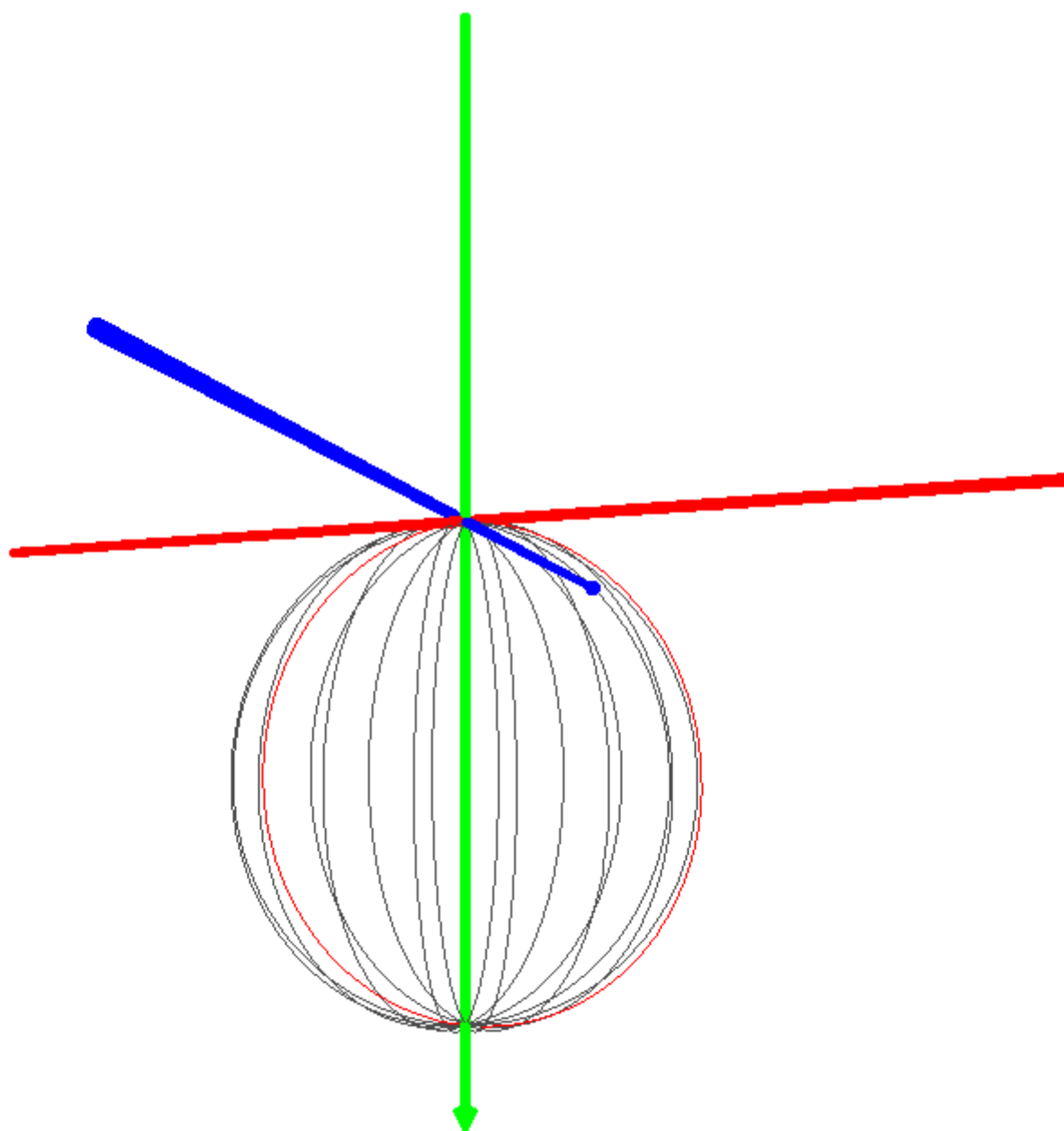
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

I(%f)

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			P(%f)
0	0,00503	1,573	-9,65e-05
1	100,000	100,000	100,000
2	0,00548	0	0
3	0,0826	92,566	0,0776
4	0,00265	0	0
5	0,0769	79,797	0,0606
6	0,00143	0	0
7	0,064	63,516	0,0382
8	0	0	0
9	0,0475	46,745	0,0194
10	0,00167	0	0
11	0,0345	33,036	0,00966
12	0,00168	0	0
13	0,0312	25,644	0,0057
14	0,00114	0,114	-7,8e-07
15	0,0304	24,196	0,0052
16	0,002	0,128	9,48e-07
17	0,0357	24,291	0,00575
18	0,000845	0,152	2,94e-06
19	0,0337	23,026	0,00474
20	0,0011	0,164	5,9e-07
21	0,032	20,198	0,00354

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22	0,0015	0,179	3,13e-06
23	0,0271	16,884	0,00212
24	0	0,185	0
25	0,0255	14,330	0,00191
26	0,0012	0,211	-4,99e-07
27	0,0253	12,921	0,00148
28	0,00154	0,183	4,83e-06
29	0,0248	11,957	0,00132
30	0	0,172	0
31	0,0219	10,650	0,000927
32	0,00127	0,165	3,3e-06
33	0,021	8,789	0,000753
34	0	0,157	0
35	0,0162	6,708	0,000391
36	0	0,136	1,69e-07
37	0,0123	4,893	0,000255
38	0	0,116	0
39	0,01	3,655	0,000121
40	0	0	0
41	0,00652	2,877	7,89e-05
42	0	0	0
43	0,00589	2,243	2,41e-05
44	0	0	0
45	0,00471	1,746	2,01e-05
46	0,00095	0	0
47	0,00618	1,593	2,03e-05
48	0	0	1,97e-07
49	0,00389	1,753	8,2e-06
50	0	0	0

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