

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Karry Smart*
Item No: *AZ4854*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ4854-3000K*
LuminaireName: *Alfa Kerry Track Smart*
LuminaireNumber: *AZ4854-3000K*
FileName: *AZ48543000K.Idt*
Date: *2024-06-10*

Dimensions of luminaire

Length: *60 mm*
Width: *0 mm*
Height: *1000 mm*

Dimensions of luminous area

Length: *45 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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PLN: IBAN 78 1750 0012 0000 0000 2709 9432

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SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

Type of lamps: *LED*
Total luminous flux: *566,11 lm*
Color temperatur: *2792 K*
Color rendering index: *84,27*
Wattage including ballast: *11,56 W*

Utilization factors:

k = 0.60	<i>0,708</i>
k = 0.80	<i>0,754</i>
k = 1.00	<i>0,803</i>
k = 1.25	<i>0,840</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>0,976</i>

Electrical parameters

<i>U</i>	<i>= 229,690 V</i>
<i>I</i>	<i>= 0,164 A</i>
<i>P</i>	<i>= 11,564 W</i>
<i>Power factor</i>	<i>= 0,308</i>

<i>Power apparent</i>	<i>= 37,573 VA</i>
<i>Power Reactive</i>	<i>= -35,739 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 309,925 %</i>

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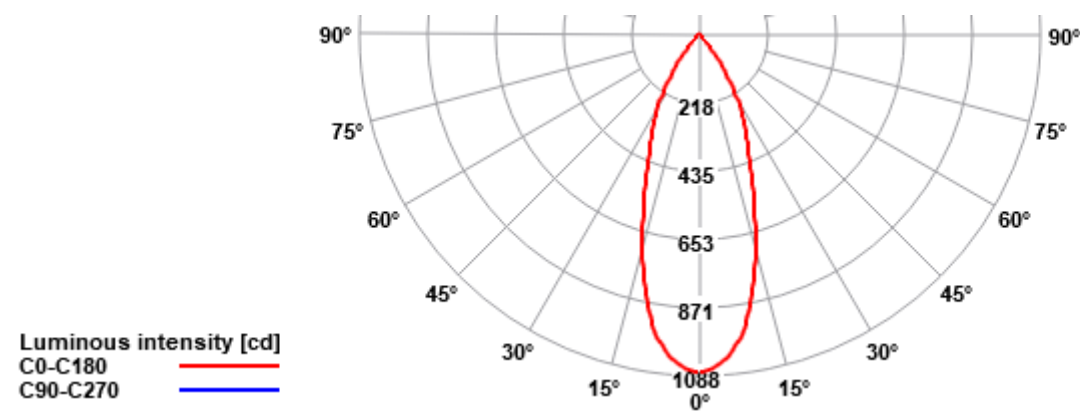
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	566,11 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	1077,42 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	48,97 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4526
y	0,4090
Angular Colour Uniformity	0,0017

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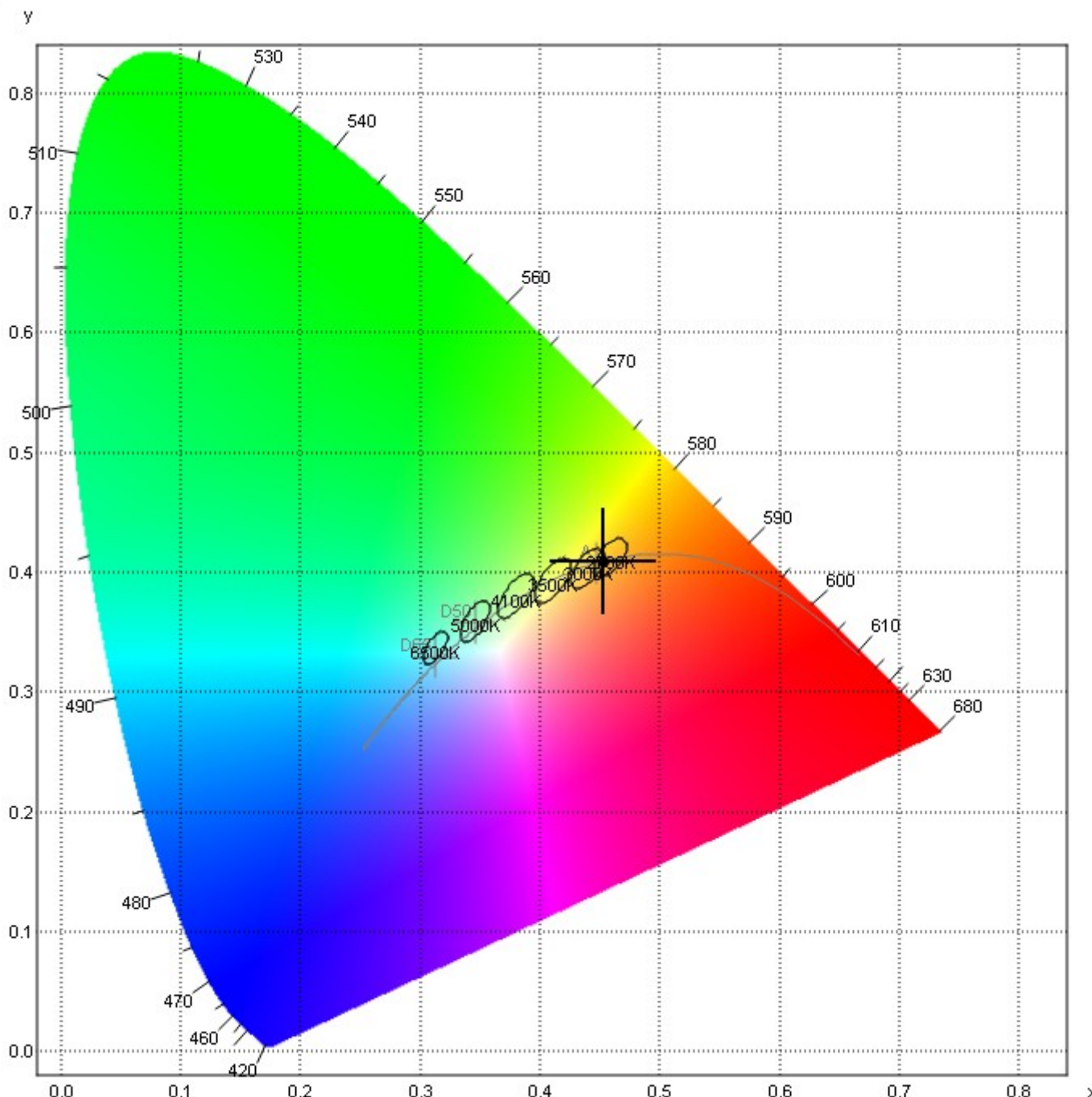
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Beam cone

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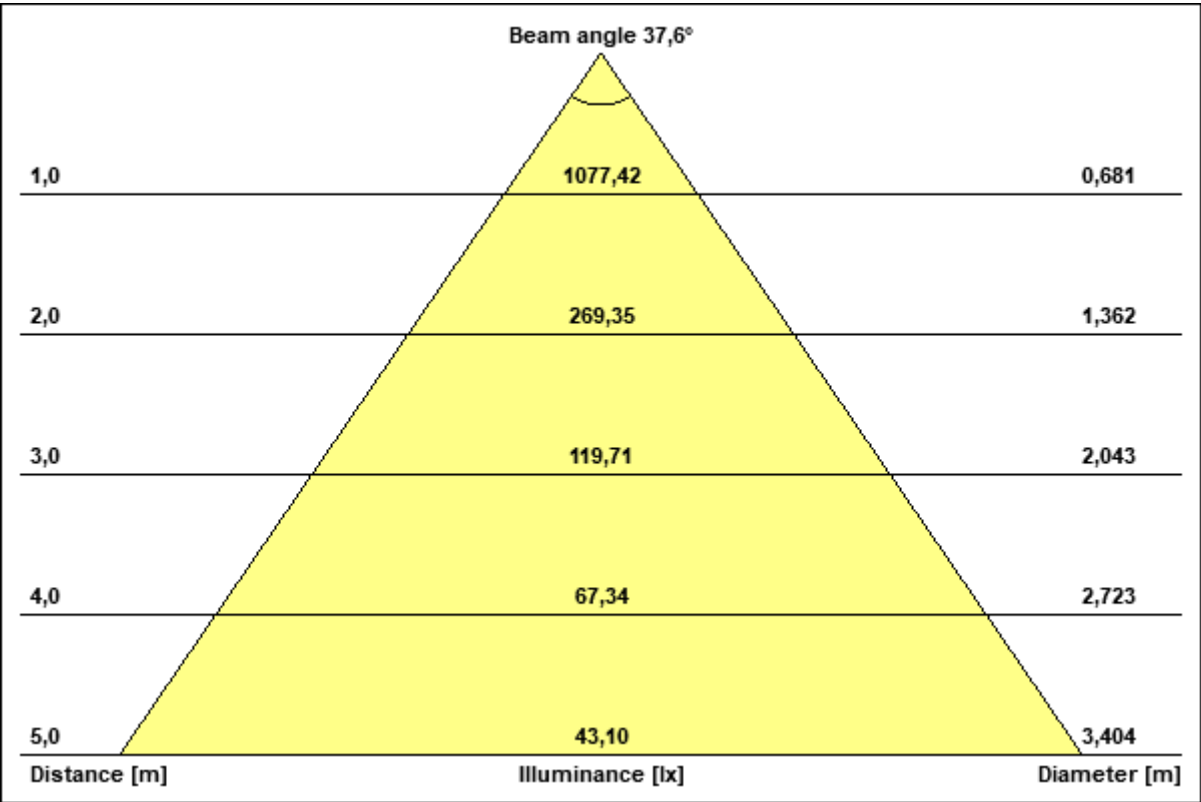
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Stabilization

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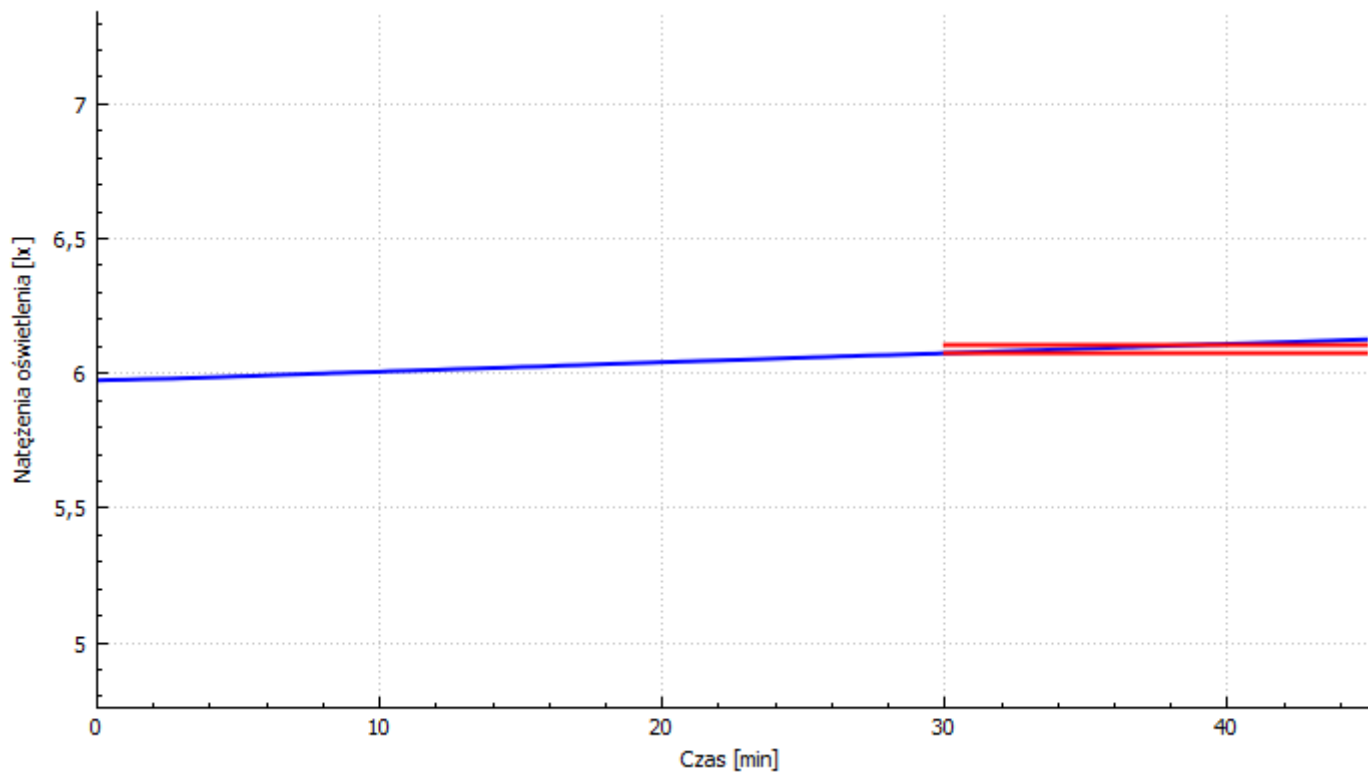
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3D Chart

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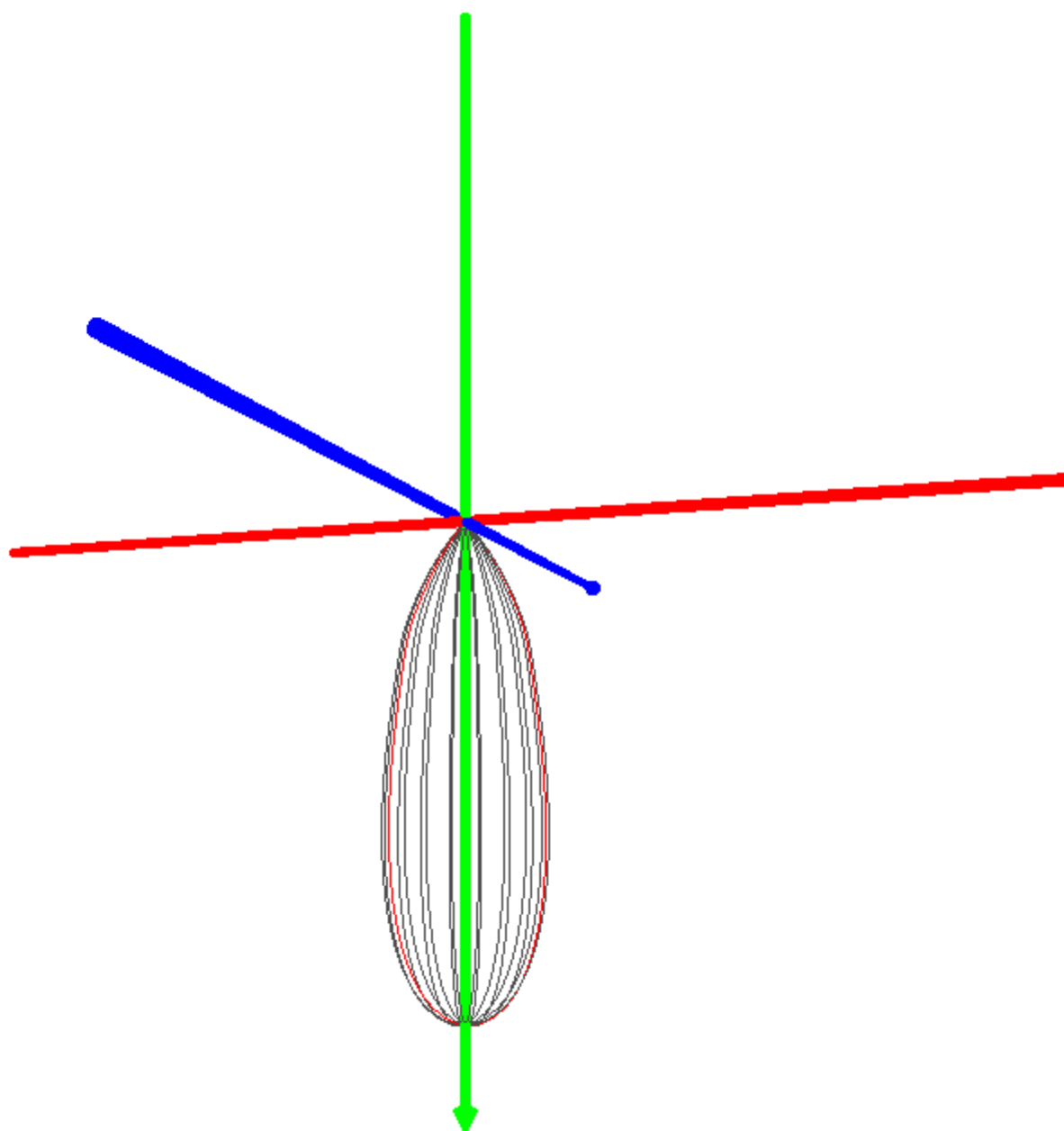
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Legend

- C0-C180

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- C90-C270
- G0-G180

U(%f)

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			P(%f)
0	0,00964	0,967	-8,57e-05
1	100,000	100,000	100,000
2	0,00235	3,105	3,72e-05
3	0,0512	94,256	0,0495
4	0,00291	3,193	0,000173
5	0,0499	93,101	0,0485
6	0,00177	3,350	0,000127
7	0,0465	91,242	0,0392
8	0,00213	3,521	0,000137
9	0,0482	88,802	0,039
10	0,00218	3,704	0,000161
11	0,0553	85,857	0,04
12	0,00213	3,887	0,000161
13	0,051	82,391	0,0327
14	0,00349	4,054	0,000226
15	0,0551	78,517	0,0306
16	0,00353	4,176	0,000239
17	0,0561	74,253	0,0279
18	0,00358	4,255	0,000211
19	0,0554	69,678	0,0237
20	0,0032	4,302	0,000182
21	0,0564	64,866	0,021

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22	0,00358	4,292	0,000227
23	0,0575	59,905	0,0188
24	0,00395	4,247	0,00023
25	0,0526	54,795	0,0142
26	0,00455	4,148	0,000248
27	0,05	49,658	0,0114
28	0,00456	3,992	0,000195
29	0,0472	44,584	0,00913
30	0,00492	3,814	0,000177
31	0,0441	39,622	0,00748
32	0,00443	3,585	0,000134
33	0,0418	34,822	0,0058
34	0,00405	3,331	0,000106
35	0,0387	30,256	0,0044
36	0,00361	3,063	0,000109
37	0,0341	25,969	0,00296
38	0,00379	2,784	8,81e-05
39	0,0308	22,020	0,00216
40	0,00389	2,511	5,15e-05
41	0,0276	18,483	0,00156
42	0,00272	2,222	3,4e-05
43	0,0223	15,342	0,000957
44	0,00237	1,969	1,93e-05
45	0,0183	12,704	0,000589
46	0,00223	1,741	2,39e-05
47	0,0181	10,625	0,0005
48	0,00226	1,547	2,73e-05
49	0,0148	9,055	0,00023
50	0,0024	1,429	2,65e-05

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