

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Niko 2 Track Magnetic 20W CCT Switch*
Item No: *AZ6251*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6251_3000*
LuminaireName: *Alfa Niko 2 Track Magnetic 2Line 20W CCT Switch*
LuminaireNumber: *AZ6251*
FileName: *AZ6251_3000.ldt*
Date: *2024-09-25*

Dimensions of luminaire

Length: *50 mm*
Width: *0 mm*
Height: *210 mm*

Dimensions of luminous area

Length: *40 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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Raiffeisen Bank Polska S.A.

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: *956,48 lm*
 Color temperatur: *2921 K*
 Color rendering index: *94,70*
 Wattage including ballast: *21,59 W*

Utilization factors:

k = 0.60 *0,701*
k = 0.80 *0,748*
k = 1.00 *0,798*
k = 1.25 *0,836*
k = 1.50 *0,864*
k = 2.00 *0,917*
k = 2.50 *0,926*
k = 3.00 *0,940*
k = 4.00 *0,961*
k = 5.00 *0,975*

Electrical parameters

U = *229,661 V*
I = *0,109 A*
P = *21,595 W*
Power factor = *0,862*

Power apparent = *25,053 VA*
Power Reactive = *-12,708 var*
Frequency Voltage = *50,002 Hz*
THD = *28,738 %*

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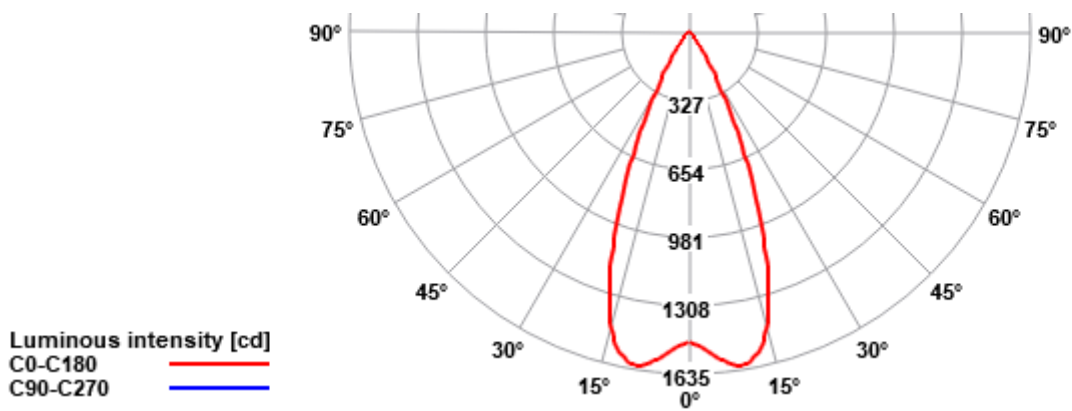
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminaire flux)	956,48 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	1619,14 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	44,30 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4383
y	0,3975
Angular Colour Uniformity	0,0063

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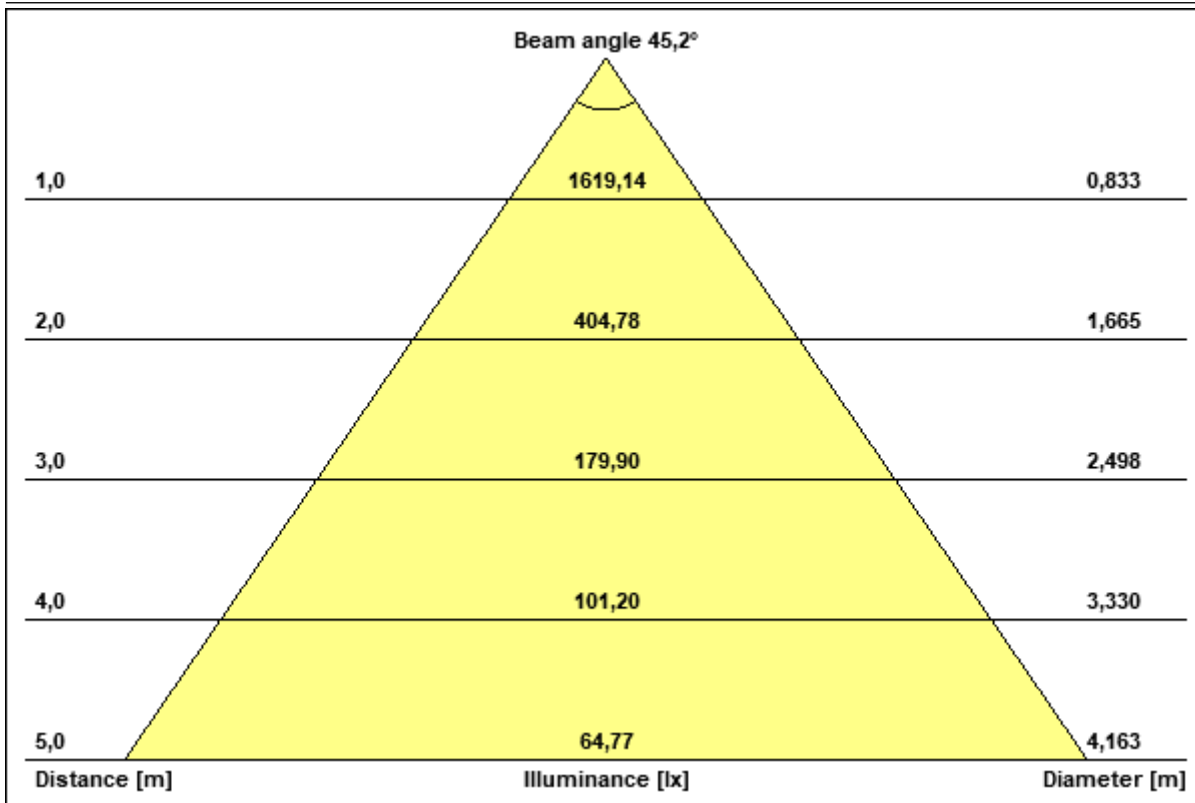
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Stabilization

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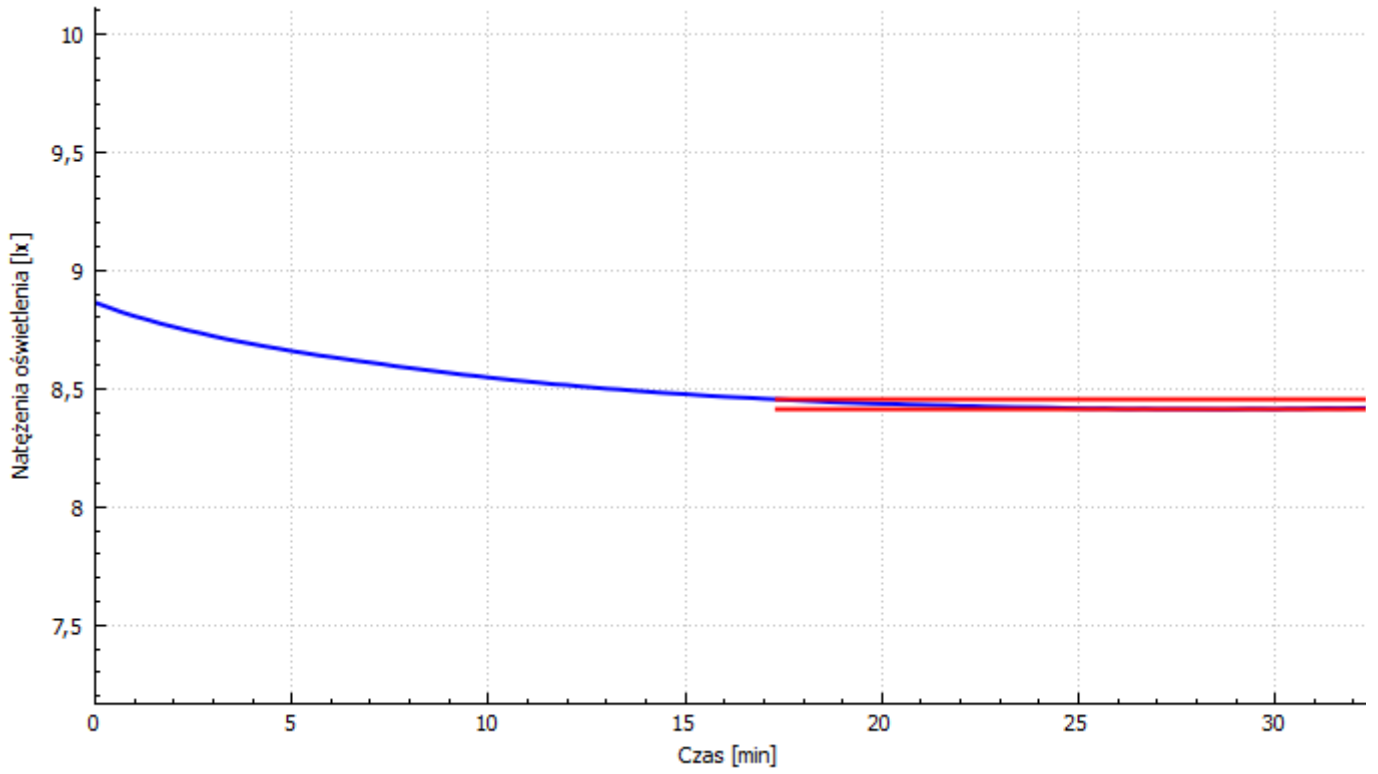
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3D Chart

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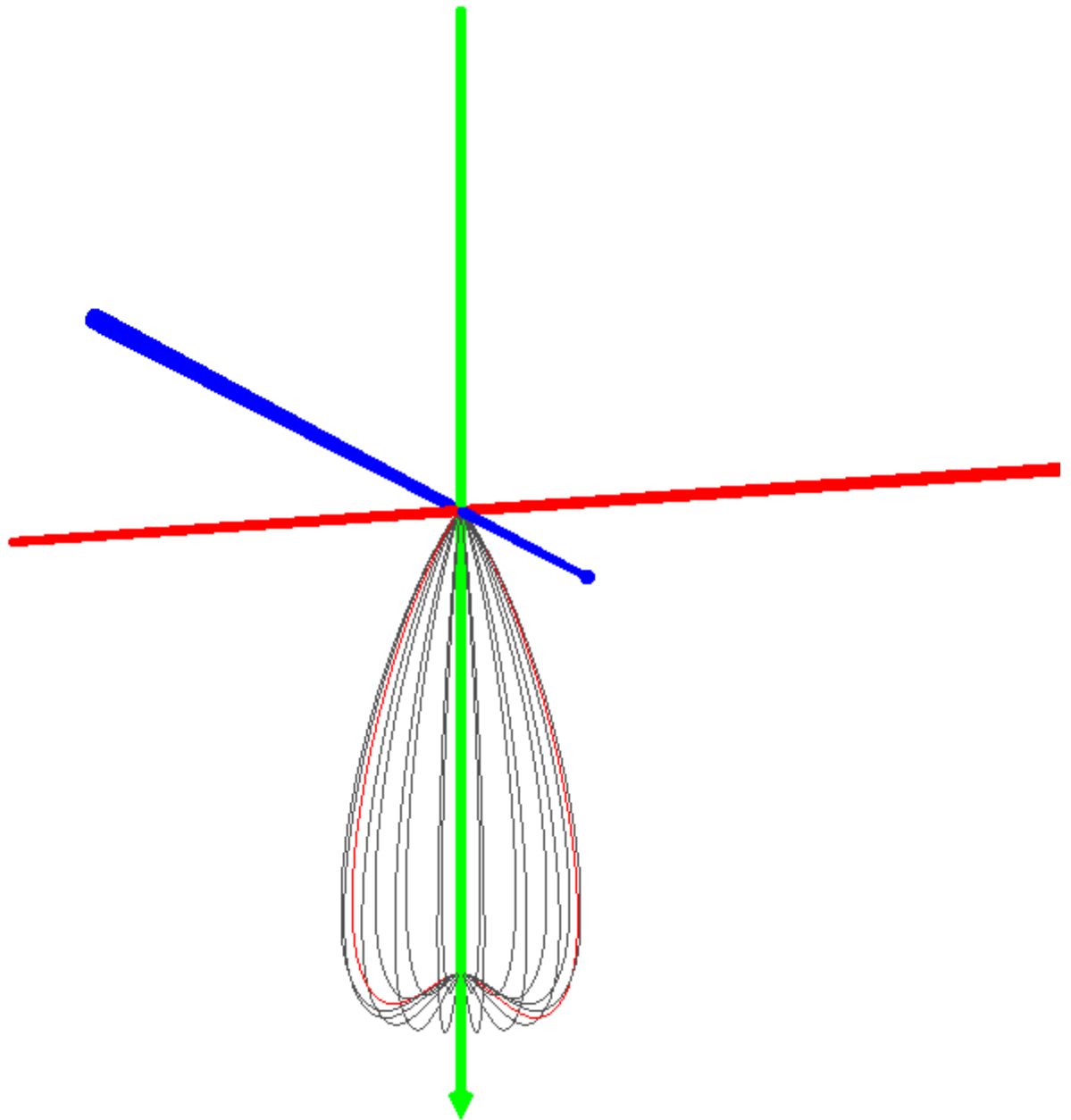
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Legend

— - C0-C180

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- C90-C270

- G0-G180

U(%f)

I(%f)

P(%f)

**Ext
end
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	U(%f)	I(%f)	P(%f)
0	0	0,134	0
1	100,000	100,000	100,000
2	0,00519	0,349	-1,47e-05
3	0,00545	20,760	0,000619
4	0,00198	0,155	-1,68e-06
5	0,00362	13,409	0,000593
6	0,00135	0,0858	5,31e-07
7	0,00349	7,742	0,000215
8	0,000981	0,113	0
9	0,00373	4,375	9,32e-05
10	0,000952	0,0626	0
11	0,00614	5,076	0,000177
12	0,00141	0,163	0
13	0,005	2,722	4,11e-05
14	0,00136	0,109	7,95e-07
15	0,00471	3,642	2,94e-05
16	0,0013	0,0768	0
17	0,00247	2,713	-3,46e-05
18	0,00129	0,104	-5,17e-07
19	0,0024	2,275	-5,2e-05
20	0,00167	0,0824	-4,11e-09
21	0,00619	3,225	-2,11e-05

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22	0,00164	0,0499	0
23	0,00106	1,892	4,5e-05
24	0,0014	0,0809	0
25	0,00493	3,286	1,19e-05
26	0,00135	0,102	-2,08e-07
27	0,00904	3,302	3,74e-05
28	0,0013	0,0853	-7,31e-07
29	0,00739	2,751	3,29e-05
30	0,00135	0,118	4,57e-07
31	0,00805	3,130	0,000106
32	0,00202	0,0578	4,24e-07
33	0,00733	2,521	5,04e-05
34	0,0015	0,0718	-9,65e-07
35	0,00943	3,110	5,81e-05
36	0,00116	0,0486	3,52e-07
37	0,0057	1,928	6,65e-05
38	0,00123	0,106	3,75e-07
39	0,00511	1,863	4,75e-05
40	0,00153	0,129	-9,7e-07
41	0,00378	1,579	2,89e-05
42	0,00233	0,150	3,69e-07
43	0,00276	0,978	1,12e-05
44	0,0024	0,156	1,03e-06
45	0,00112	1,112	-5,58e-06
46	0,00208	0,136	4,96e-08
47	0,0036	0,847	-2,01e-05
48	0,00221	0,197	1,63e-07
49	0,00456	0,836	-9,45e-06
50	0,00292	0,181	4,26e-07

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