

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting Company*

Model name: *MALTA R23 3000K BK*

Item No: *AZ4239*

Serial No.:

Made by: *Adam Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*

Report number: *1*

LuminaireName: *Malta R23 3000*

LuminaireNumber: *AZ4239*

FileName: *AZ4239.Idt*

Date: *2021-04-23*

Dimensions of luminaire

Length: *220 mm*

Width: *0 mm*

Height: *25 mm*

Dimensions of luminous area

Length: *200 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
Type of lamps: LED
Total luminous flux: 1494,94 lm
Color temperatur: 2869.69 K
Color rendering index: 83,59
Wattage including ballast: 18,00 W

Utilization factors:

k = 0.60	0,291
k = 0.80	0,374
k = 1.00	0,448
k = 1.25	0,521
k = 1.50	0,578
k = 2.00	0,666
k = 2.50	0,716
k = 3.00	0,754
k = 4.00	0,807
k = 5.00	0,840

Electrical parameters

U = 229,641 V
 I = 0,195 A
 P = 17,997 W
Power factor = 0,402

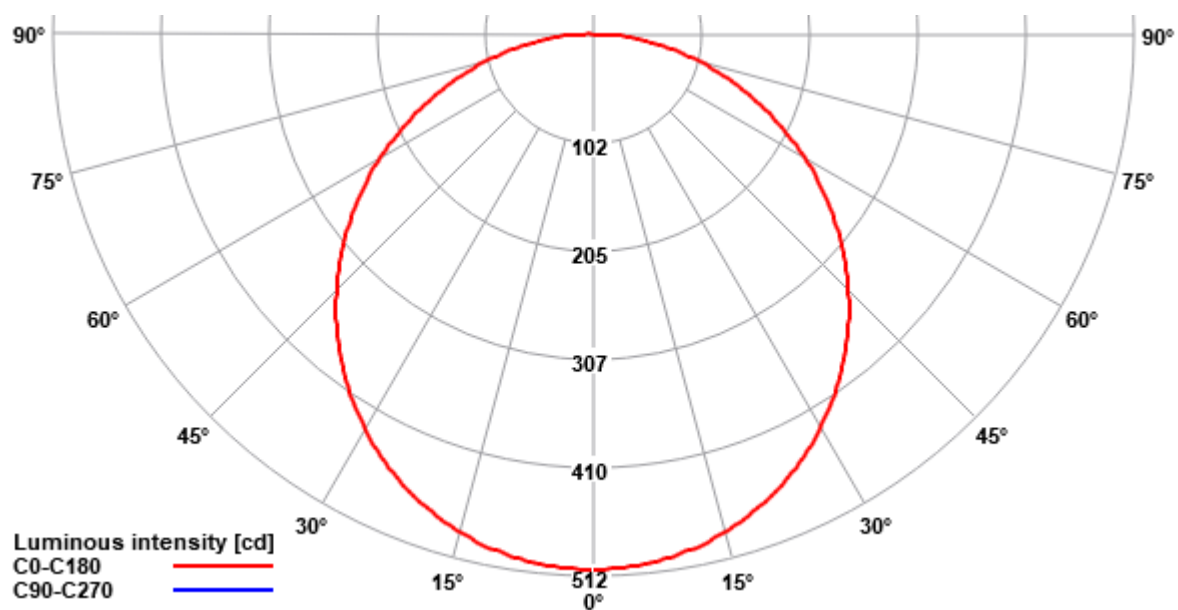
Power apparent = 44,735 VA
Power Reactive = -40,954 var
Frequency Voltage = 50,002 Hz
THD = 209,534 %

Temperature = 22 C

Goniometric measurement results

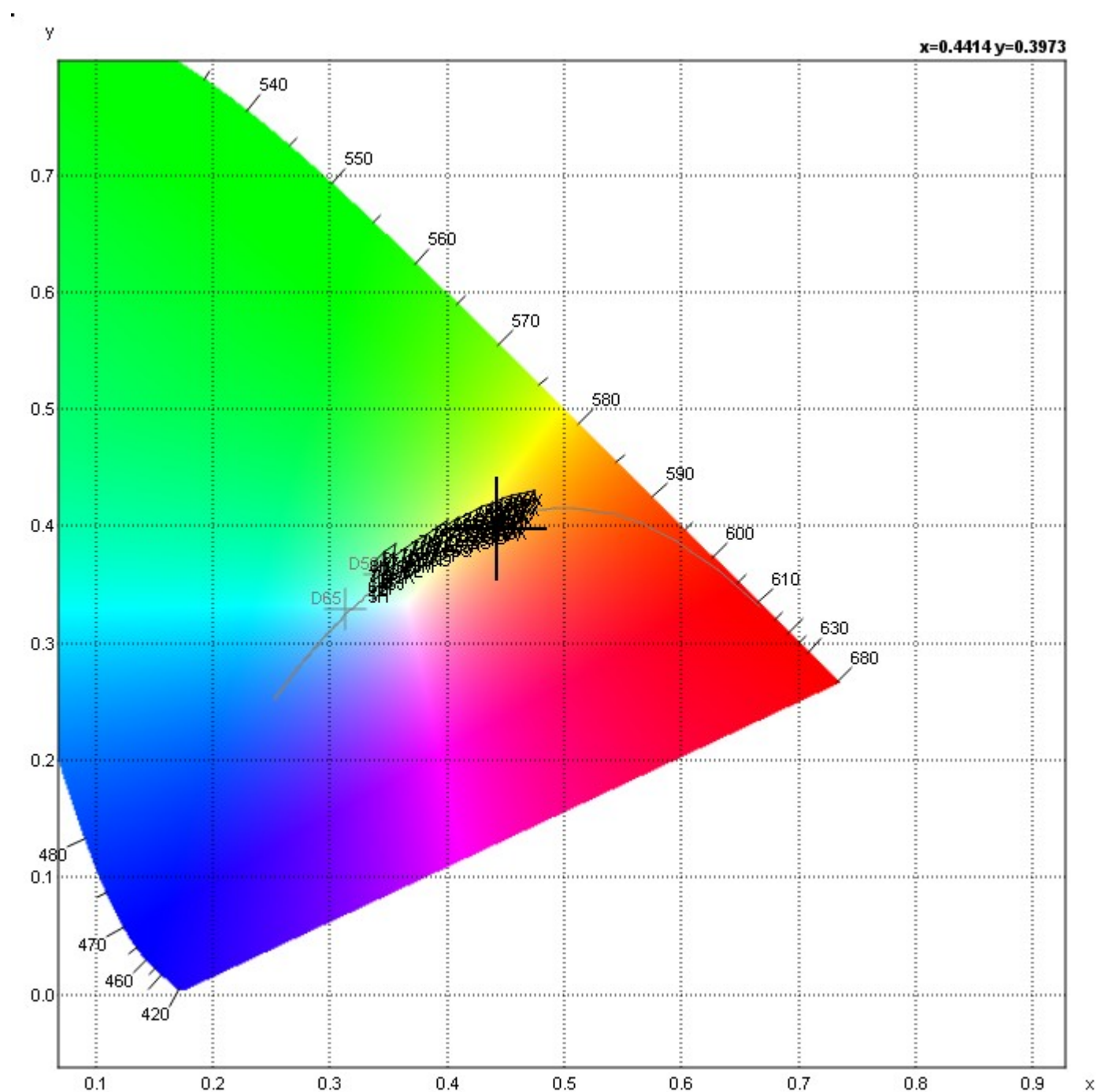
Total flux (utilized luminarie flux)	1494,94 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	506,82 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	83,05 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x 0,4414
y 0,3973
Angular Colour Uniformity 0,0005



GL Optic R&D Center Sp. z o.o.

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Tel.: +48 61 819 40 03

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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

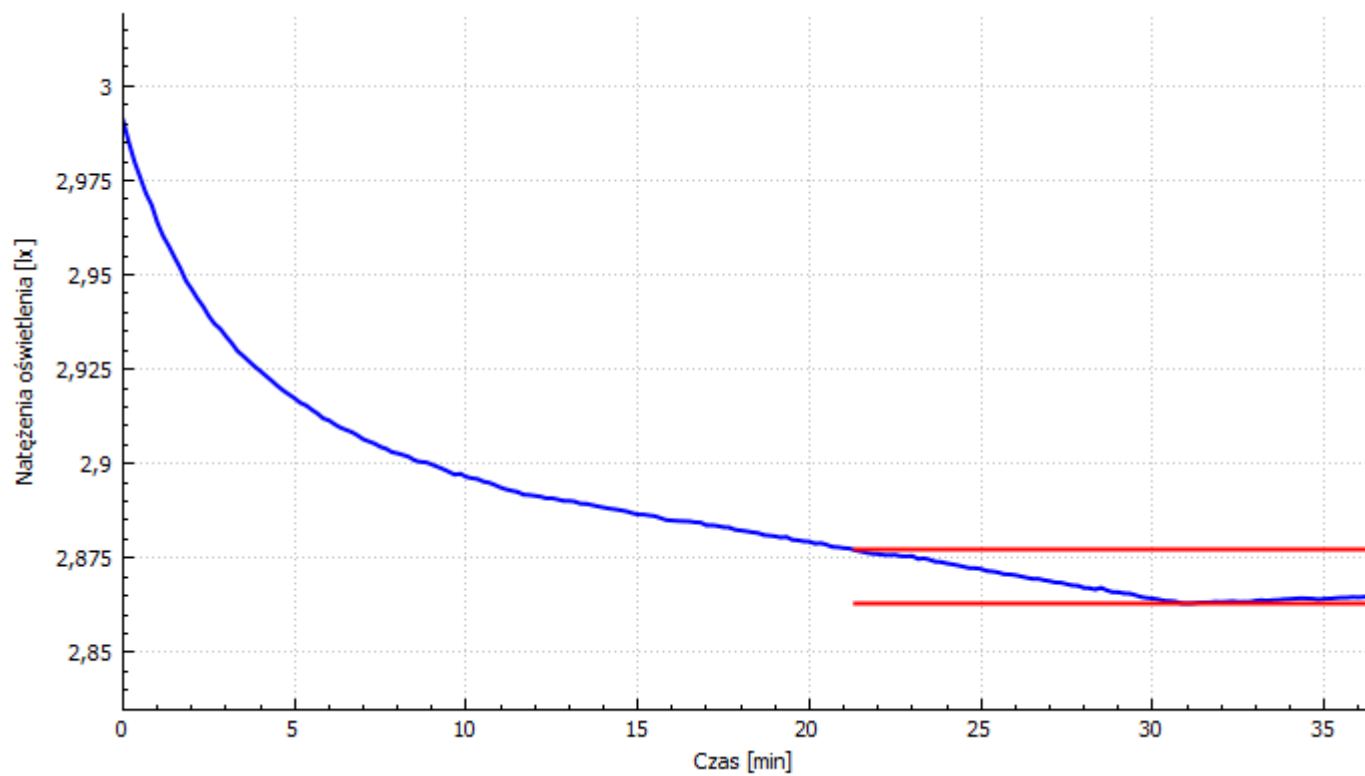
KRS: 0000537079

Kapitał 200.000 PLN

Beam cone



Stabilization



3D Chart

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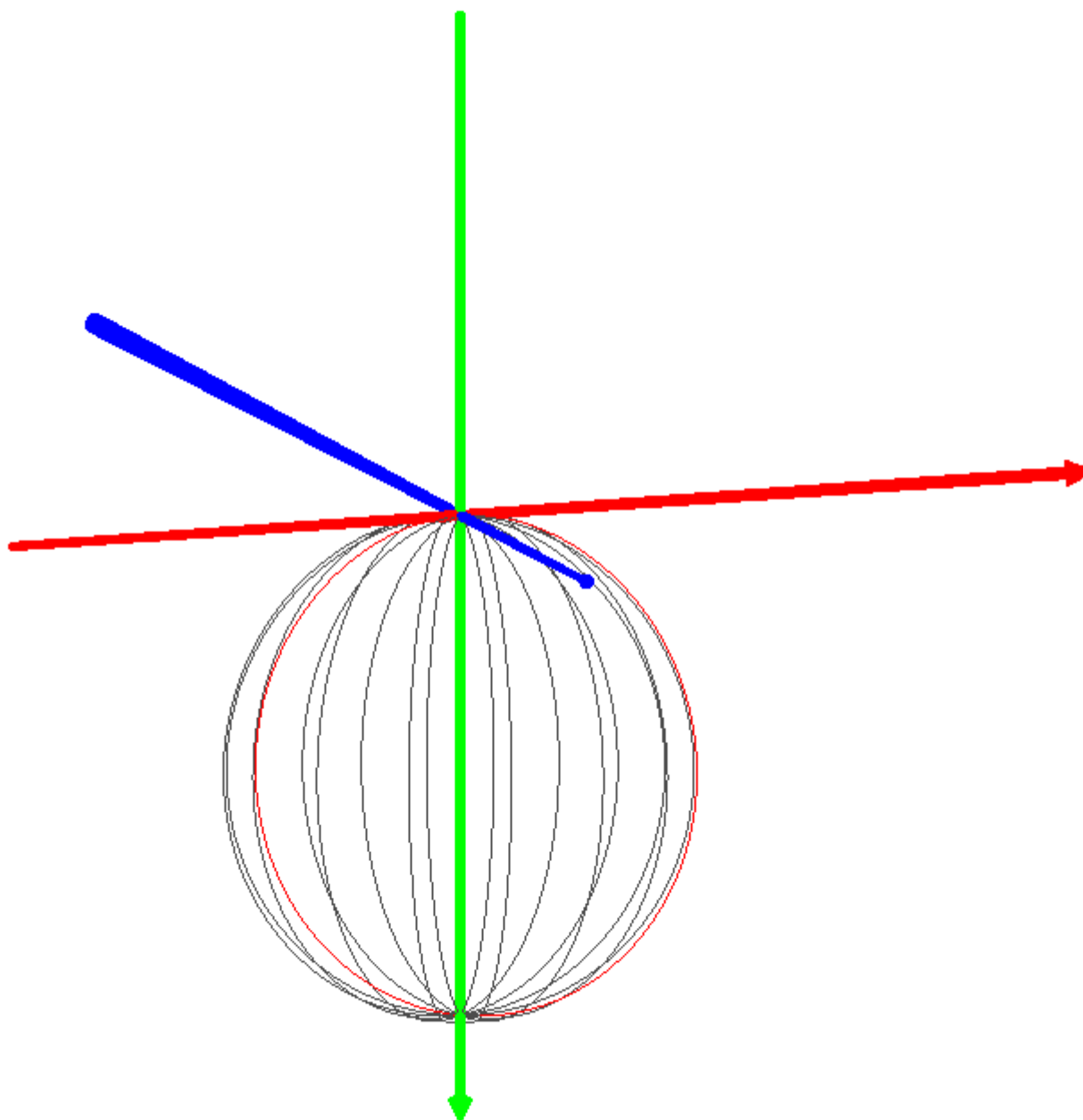
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Legend

- C0-C180
- C90-C270
- G0-G180

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Extended electrical report

	U(%f)	I(%f)	P(%f)
0	0,005	1,491	-7,94e-05
1	100,000	100,000	100,000
2	0,00387	0	0
3	0,0777	94,658	0,0748
4	0,0019	0	0
5	0,0766	89,307	0,0676
6	0	0	0
7	0,0682	81,847	0,0538
8	0,0022	0,157	1,88e-06
9	0,0661	72,950	0,0433
10	0,00167	0,249	1,76e-06
11	0,0599	63,408	0,0304
12	0,00126	0,342	-4,69e-07
13	0,0575	54,018	0,0247
14	0	0,416	0
15	0,0502	45,519	0,0168
16	0,00176	0,472	7,12e-06
17	0,0439	38,465	0,0115
18	0,00233	0,504	7,68e-06
19	0,0414	33,061	0,00873
20	0,00156	0,514	5,93e-06
21	0,039	29,100	0,00722
22	0,00107	0,498	3,6e-06
23	0,0394	26,062	0,00623
24	0,00112	0,452	3,46e-06
25	0,0354	23,357	0,00433
26	0,000963	0,413	4,21e-06
27	0,0319	20,621	0,00324
28	0,00118	0,359	3,35e-06
29	0,0298	17,726	0,00264
30	0,00134	0,311	4,65e-06
31	0,0263	14,709	0,00189
32	0,00103	0,282	2,12e-06
33	0,0221	11,766	0,00099
34	0	0,258	0
35	0,0173	9,062	0,000635
36	0	0,235	0
37	0,0142	6,785	0,00039
38	0	0,226	0
39	0,0104	5,013	0,000159
40	0,00131	0,215	2,32e-06
41	0,0068	3,778	0,000105
42	0,00102	0,212	-1,35e-07

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43	0,00745	3,049	9,29e-05
44	0	0,193	0
45	0,00768	2,682	3,87e-05
46	0	0,173	0
47	0,00648	2,544	7,08e-05
48	0	0,156	0
49	0,00578	2,516	1,65e-05
50	0	0,133	0