GL GONIOSPECTROMETER
MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting Company*
Model name: *SOLVENT R TOP80 BK + REMOTE CONTROL*
Item No: *AZ3996*
Serial No.:
Made by: *Adam Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *1*
LuminaireName: *Solvent R80*
LuminaireNumber: *AZ3996*
FileName: *AZ3996.ldt*
Date: *2020-10-19*

Dimensions of luminaire

Length: *800* mm
Width: *0* mm
Height: *120* mm

Dimensions of luminous area

Length: *780* mm
Width: *0* mm
C0-plane *100* mm
C90-plane *100* mm
C180-plane *100* mm
C270-plane *100* mm

Lamps:

Number of lamps:	*-1*
Type of lamps:	*LED*
Total luminous flux:	*3016,91 lm*
Color temperatur:	*4033.55 K*
Color rendering index:	*84,64*
Wattage including ballast:	*63,56 W*

Utilization factors:

k = 0.60	*0,197*
k = 0.80	*0,265*
k = 1.00	*0,329*
k = 1.25	*0,395*
k = 1.50	*0,450*
k = 2.00	*0,538*
k = 2.50	*0,596*
k = 3.00	*0,641*
k = 4.00	*0,706*
k = 5.00	*0,749*

Electrical parameters

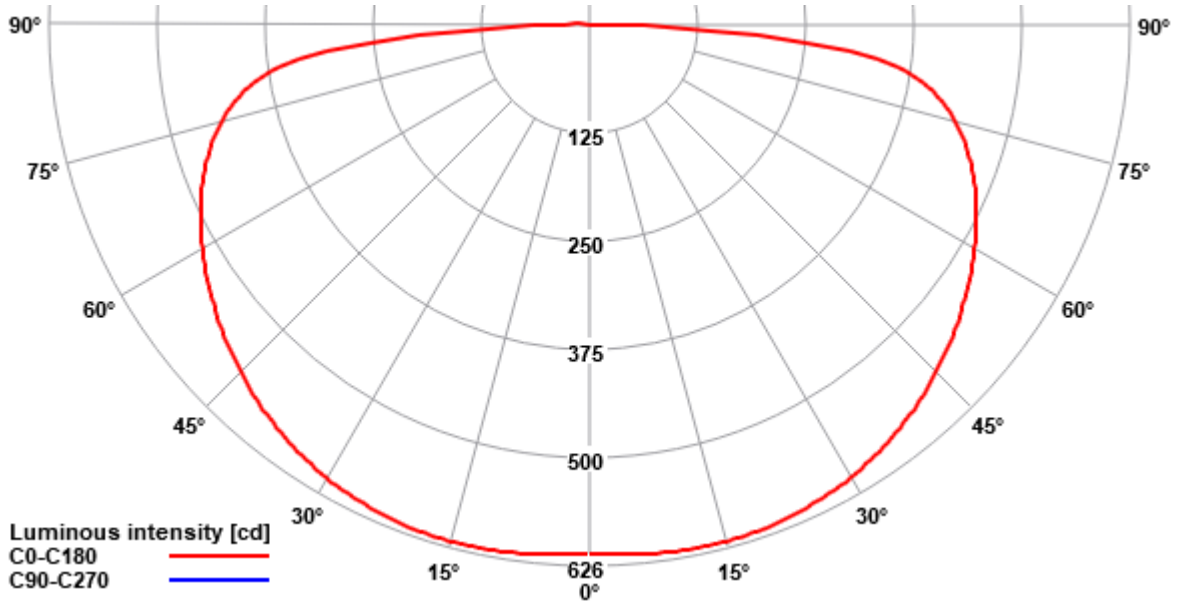
U	*= 229,616 V*
I	*= 0,283 A*
P	*= 63,565 W*
Power factor	*= 0,979*
Power apparent	*= 64,932 VA*
Power Reactive	*= -13,205 var*
Frequency Voltage	*= 50,002 Hz*
THD	*= 5,222 %*

Temperature = 22 C

Goniometric measurement results

Total flux (utilized luminarie flux)	*3016,91 lm*
Flux in lower hemisphere	*100,00 %*
Flux in upper hemisphere	*-0,00 %*
Maximium luminous intensity	*619,37 cd*
Light output ratio (LOR)	*100,00 %*
Luminous efficacy	*47,47 lm/W*

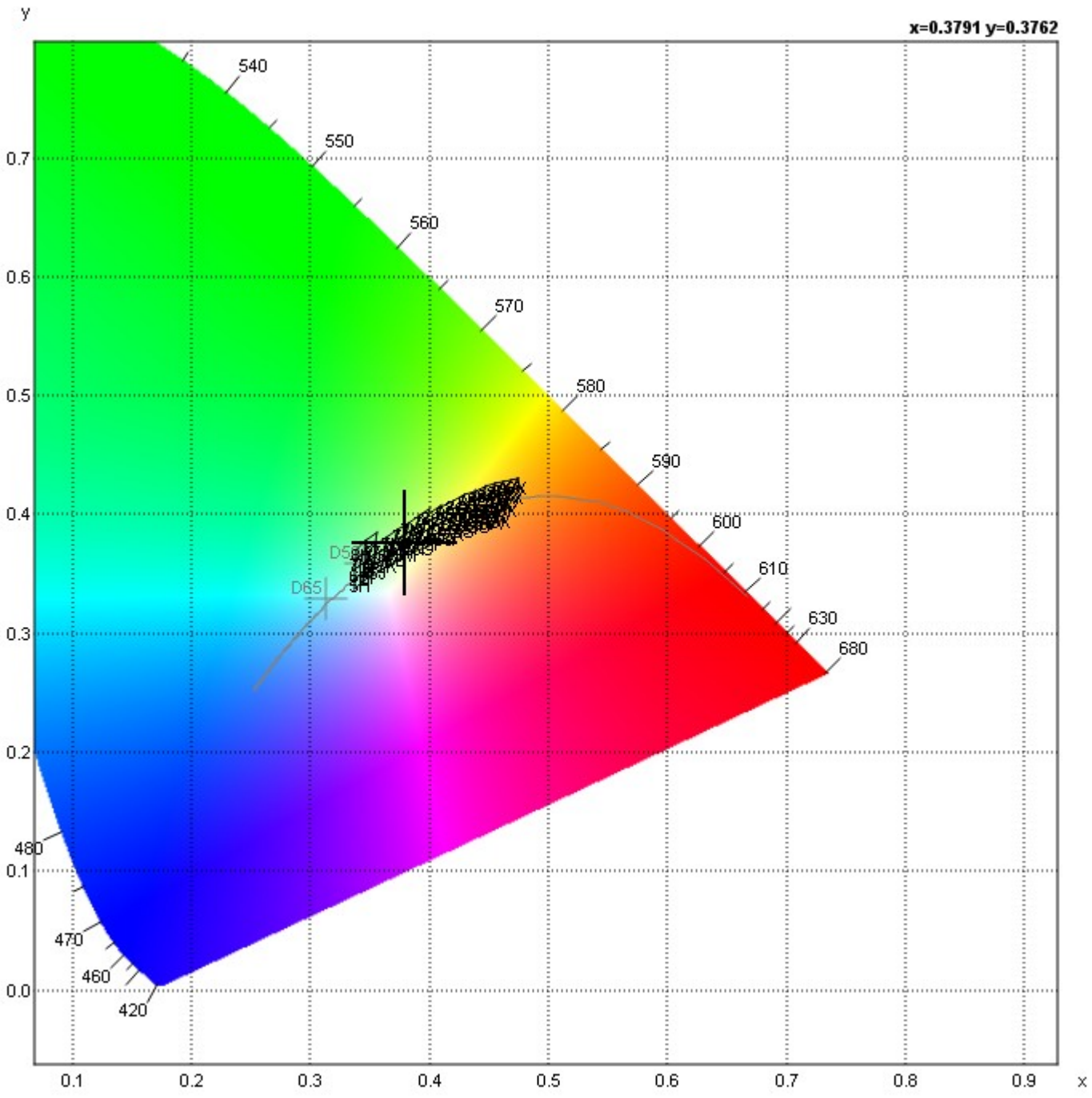
Light intensity distribution diagram



CIE 1931 diagram

x	0,3791
y	0,3762
Angular Colour Uniformity	0,0016

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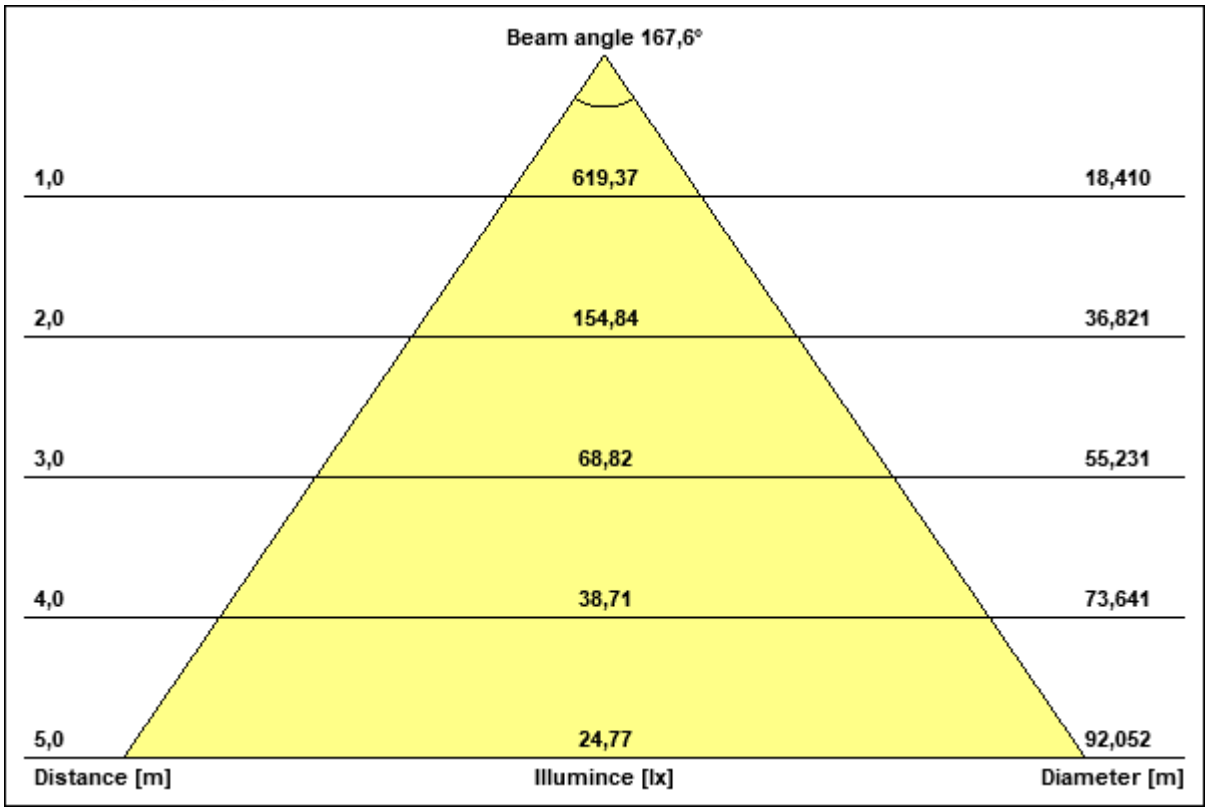


Beam cone

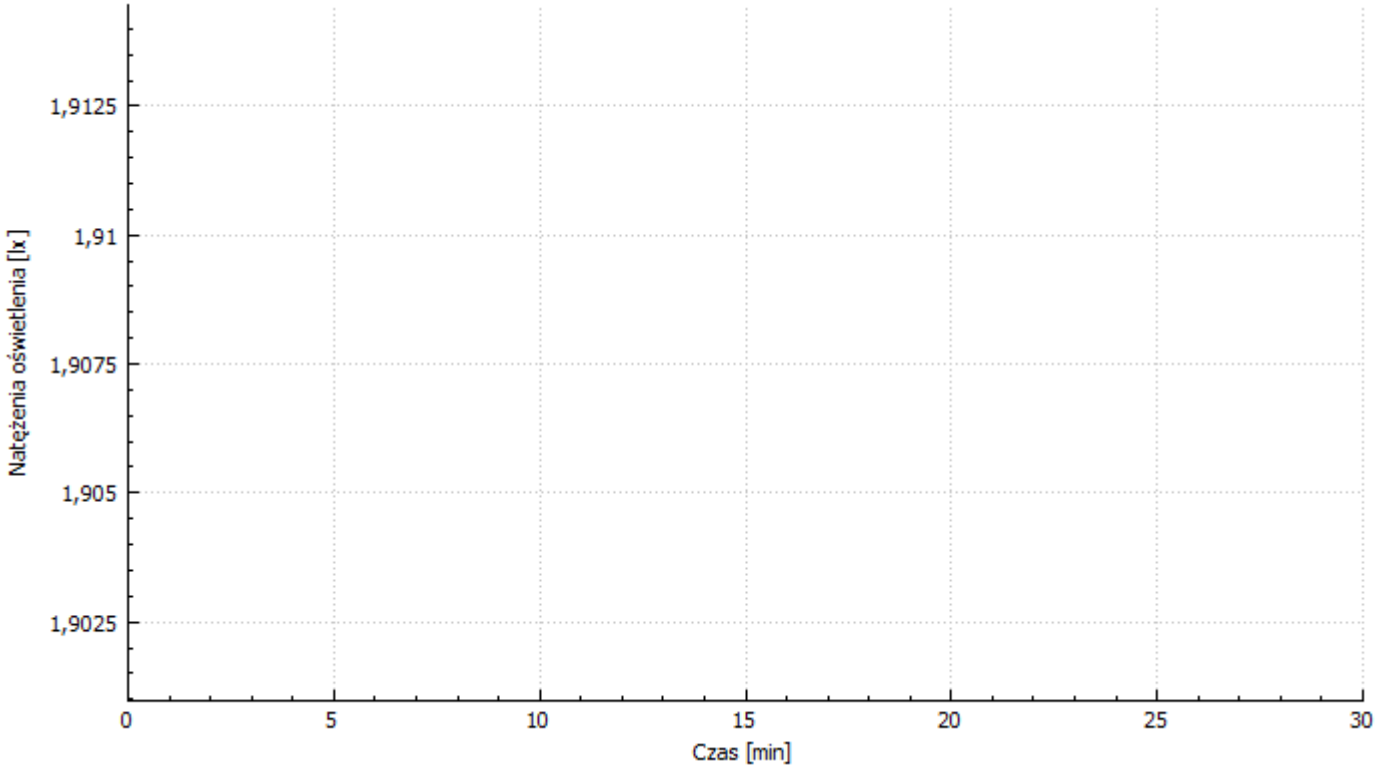
GL Optic R&D Center Sp. z o.o.
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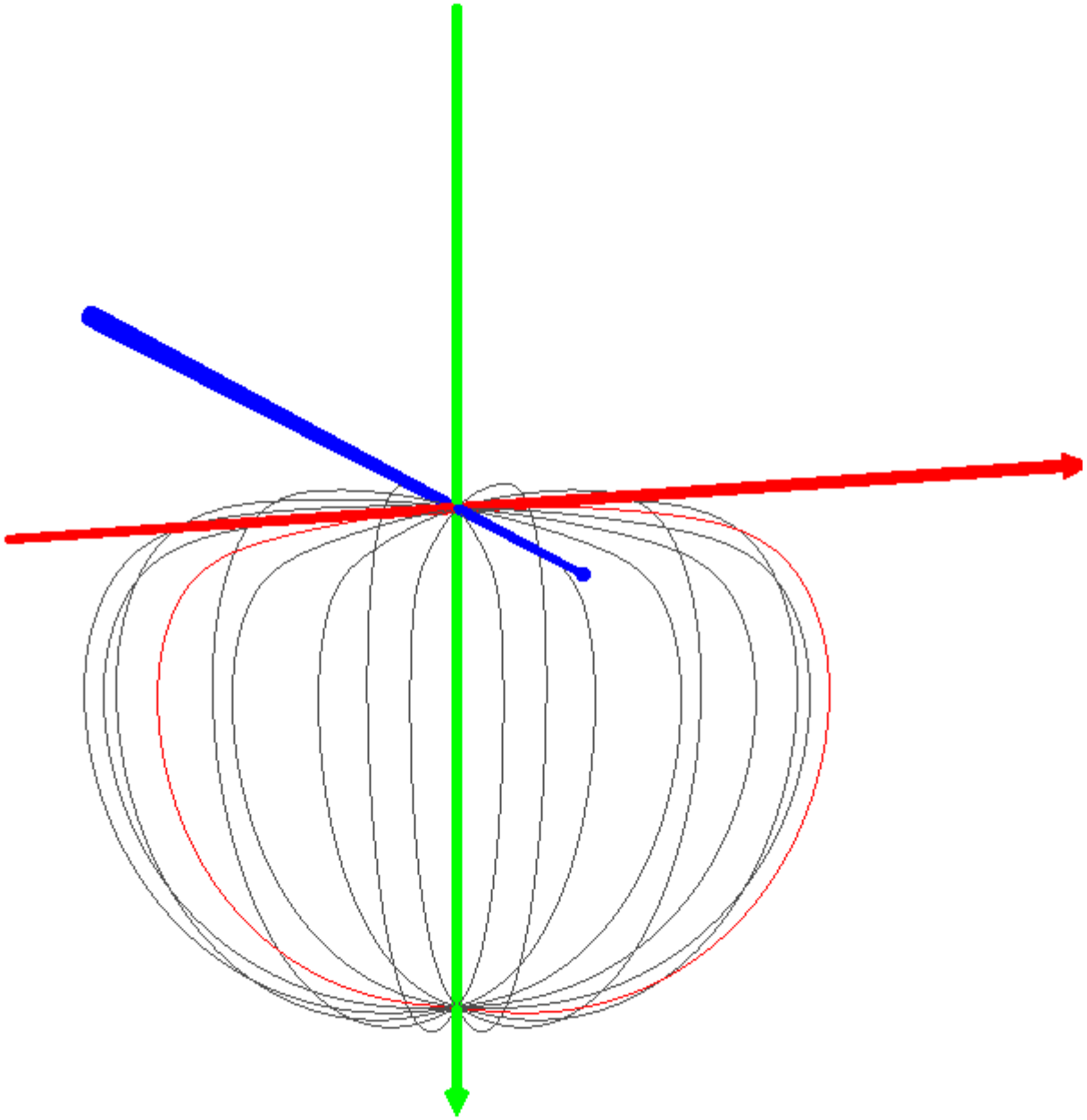
NIP: 783-171-97-20
REGON 360317241
KRS: 0000537079
Kapitał 200.000PLN



Stabilization


1,9125
1,91
1,9075
1,905
1,9025
Natężenia oświetlenia [lx]
0
5
10
15
20
25
30
Czas [min]

3D Chart



Legend

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

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Extended electrical report

	U(%f)	I(%f)	P(%f)
0	0,00511	0,464	2,91e-05
1	100,000	100,000	100,000
2	0,00603	0,0467	5,67e-06
3	0,0126	4,024	0,000467
4	0,00331	0,109	3,5e-06
5	0,00432	0,940	3,37e-05
6	0,00175	0,0677	4,5e-08
7	0,00321	0,597	3,24e-05
8	0	0,0693	0
9	0,00417	1,367	5,73e-05
10	0	0,0932	0
11	0,0036	0,258	3,26e-07
12	0	0,0662	0
13	0,00495	1,312	4,73e-05
14	0	0,09	0
15	0,00228	0,675	-1,62e-07
16	0	0,0518	0
17	0	0,490	0
18	0	0,0568	0
19	0,00478	1,133	3,76e-05
20	0	0,0557	0
21	0,00138	0,244	4,01e-07
22	0	0	0
23	0,0062	0,487	1,13e-05
24	0	0,0469	0
25	0,00581	1,055	1,07e-05
26	0,000916	0,0939	5,11e-07
27	0,00224	0,255	9,74e-06
28	0,00102	0,0662	7,86e-07
29	0,00317	0,472	1,4e-05
30	0,0011	0,0796	9,66e-07
31	0,00451	0,534	9,59e-06
32	0,000969	0,111	1,21e-06
33	0,00826	1,067	5,48e-05
34	0	0,0438	0
35	0,00368	0,332	3,2e-06
36	0,00135	0,104	-3,99e-07
37	0,000892	0,118	2,59e-06
38	0	0,0504	0
39	0,00237	0,279	2,38e-06
40	0,00104	0,0824	-7,67e-07
41	0,00452	0,292	3,76e-06
42	0,00125	0,104	4,98e-07

43	0,00342	0,427	1,22e-05
44	0	0,0814	0
45	0,00333	0,437	3,13e-06
46	0,00205	0,210	1,54e-06
47	0,00388	0,399	3,98e-06
48	0	0,0797	0
49	0,0031	0,274	-1,69e-06
50	0	0,101	0