

GL GONIOSPECTROMETER
Lighting Research & Measurement Center

Report Wizard Sample Description Lines

Client name: *LED line®*
Model name: *EasyFix AURA 18W 1570lm 2700K DIMM*
Item No: *400041*
Serial No.: *02408*
Made by: *Radosław Kośnik*

Eulumdat Fields

Company: *LED line®*
Report number: *B1161*
LuminaireName: *EasyFix AURA 18W 1570lm 2700K DIMM*
LuminaireNumber: *470041*
FileName: *B1161_470041_02408_G_20200206_R_P*
Date: *2020-02-06*

Dimensions of luminaire

Length: *217 mm*
Width: *0 mm*
Height: *15 mm*

Dimensions of luminous area

Length: *173 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:	0
Total luminous flux:	1532,60 lm
Color temperatur:	2946.16 K
Color rendering index:	80,63
Wattage including ballast:	18,31 W

Utilization factors:

k = 0.60	0,277
k = 0.80	0,365
k = 1.00	0,442
k = 1.20	0,517
k = 1.50	0,576
k = 2.00	0,665
k = 2.50	0,716
k = 3.00	0,755
k = 4.00	0,807
k = 5.00	0,840

Electrical parameters

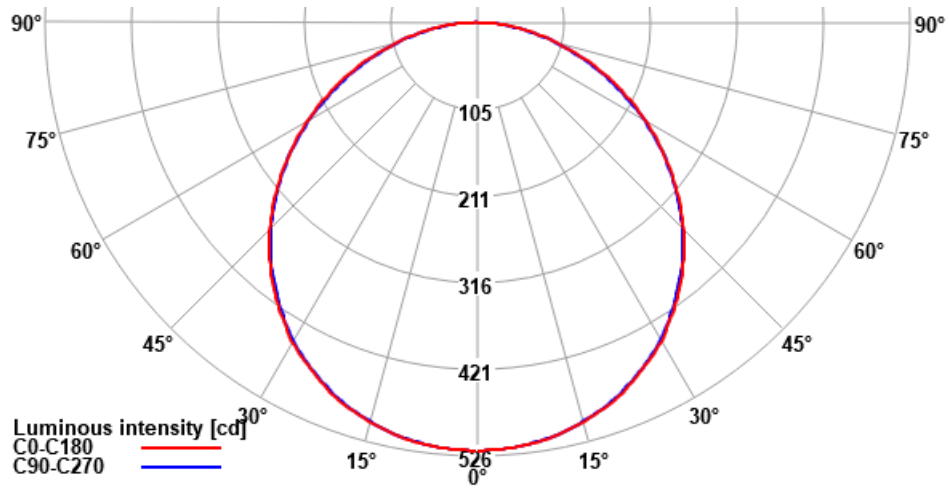
<i>U</i>	= 230,131 V
<i>I</i>	= 0,086 A
<i>P</i>	= 18,311 W
<i>Power factor</i>	= 0,922

Temperature = 23.8 C

Goniometric measurement results

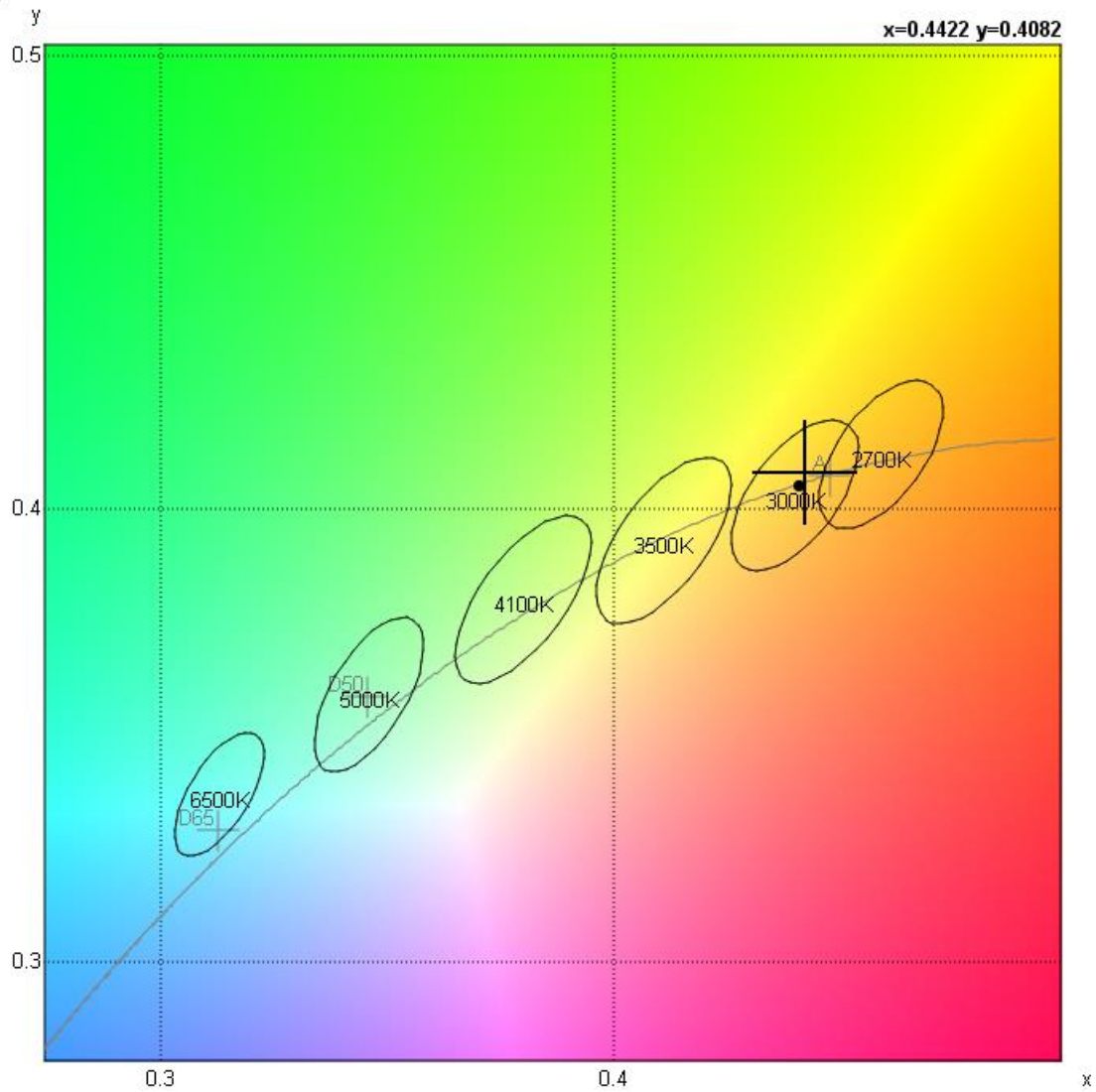
Total flux (utilized luminaire flux)	<i>1532,60 lm</i>
Flux in lower hemisphere	<i>100,00 %</i>
Flux in upper hemisphere	<i>0,00 %</i>
Maximum luminous intensity	<i>521,49 cd</i>
Light output ratio (LOR)	<i>100,00 %</i>
Luminous efficacy	<i>83,70 lm/W</i>

Light intensity distribution diagram

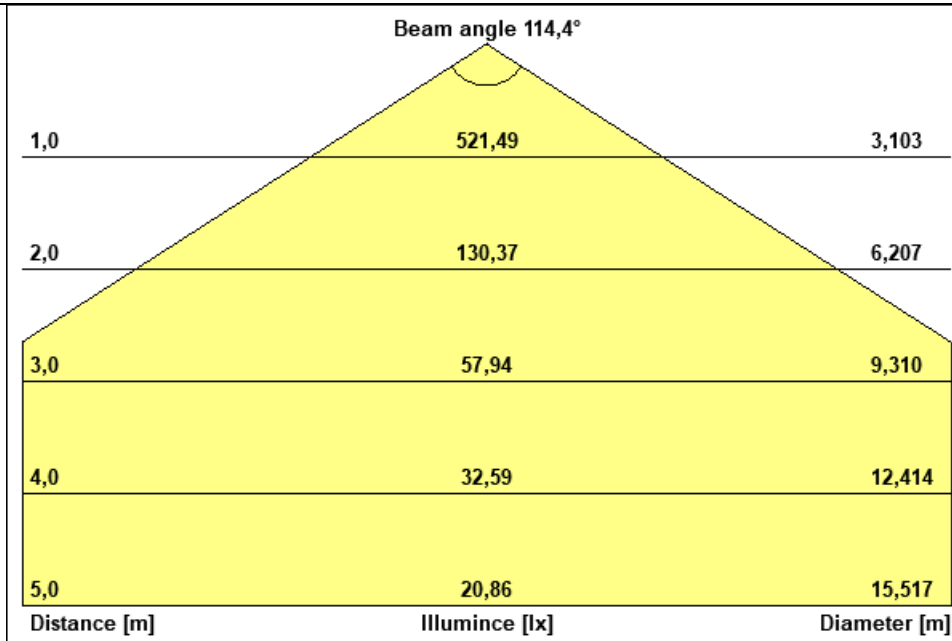


CIE 1931 diagram

x 0,4422
 y 0,4082
 Angular Colour Uniformity 0,0000
 Binning 3000K



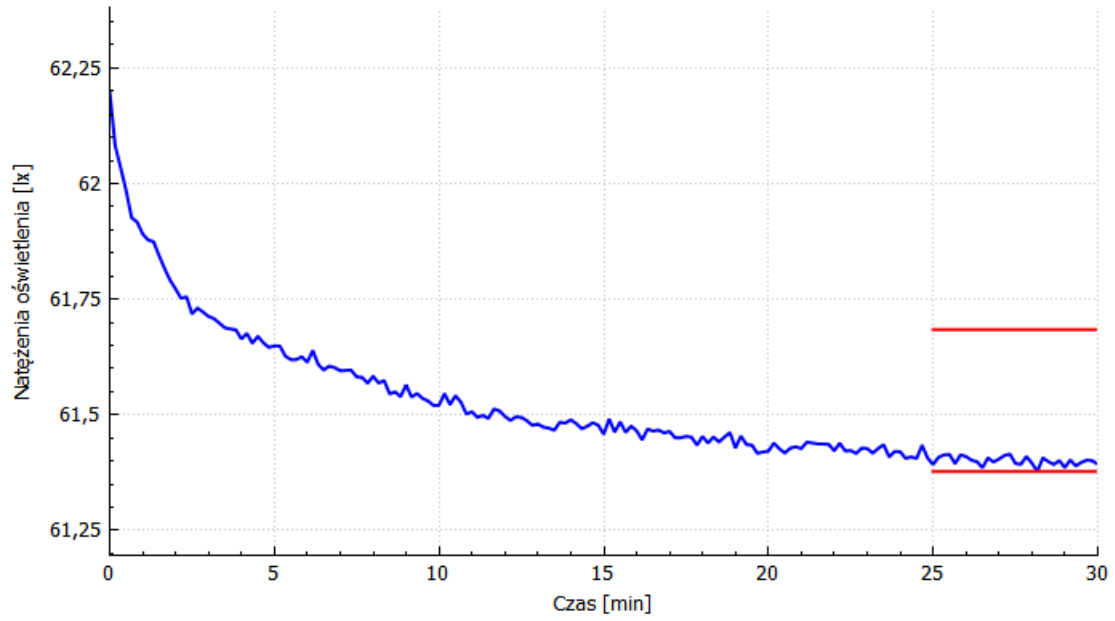
Beam cone



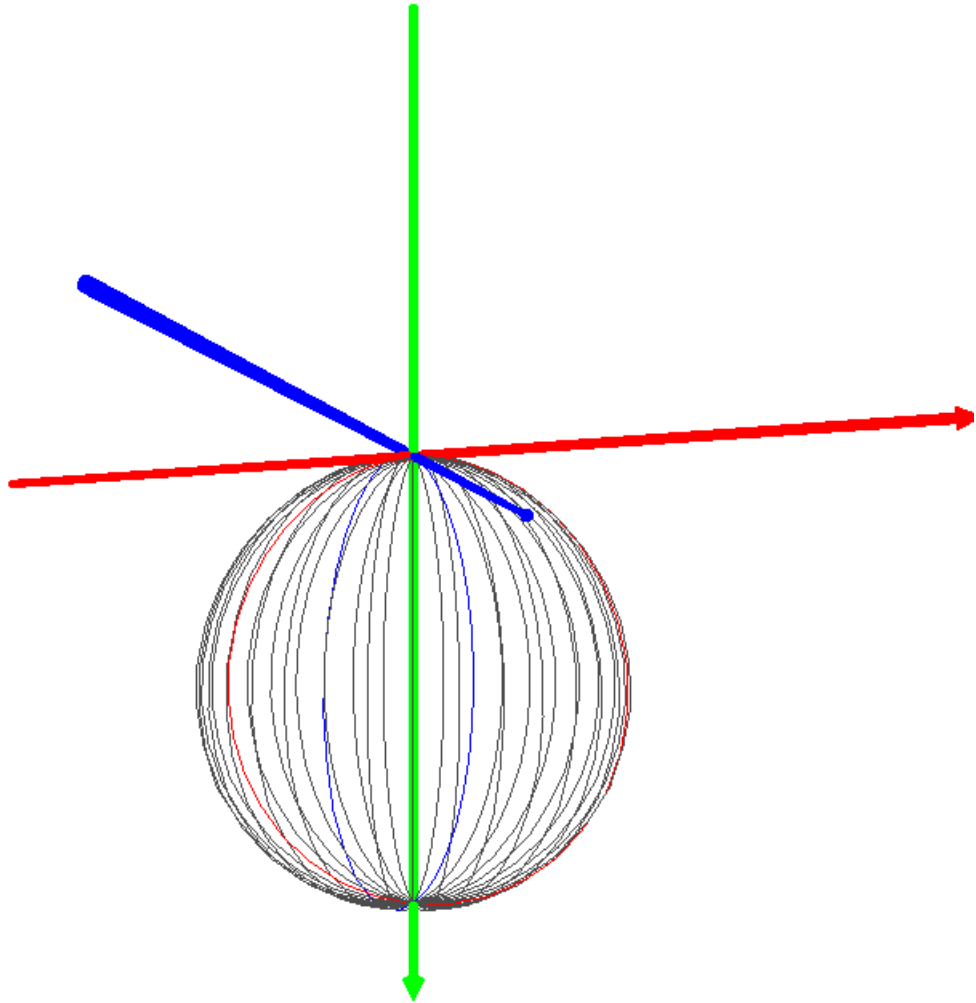
Distance [m]	Max illuminance [lx]	Diameter [m]
1	521,4947	3,103
2	130,3737	6,207
3	57,9439	9,310
4	32,5934	12,414
5	20,8598	15,517

C plane	Beam angle	Gamma max	Start [°]	Stop [°]
Average	114,4°	5,0°	-57,2°	57,2°
0-180°	114,4°	5,0°	-57,2°	57,2°
90-270°	113,9°	5,0°	-57,0°	57,0°

Stabilization



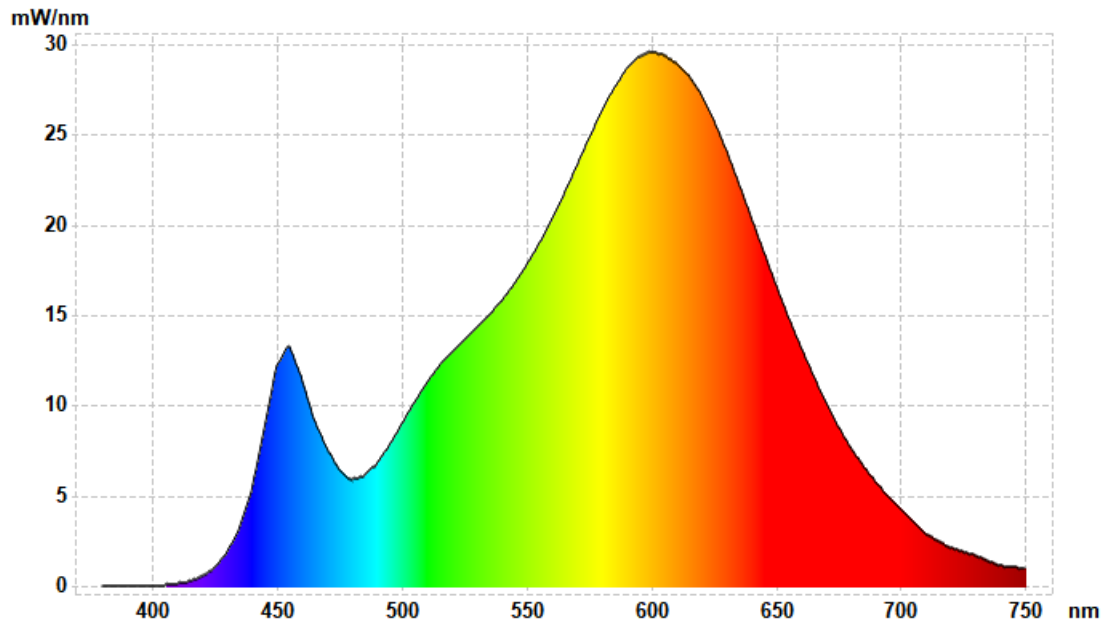
3D Chart



Legend

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

Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,4422	x	0,4494	CCT	2946
y	0,4082	y	0,4041	Chromaticity Error	0,003
Flux	1532,60 lm	u'	0,2587	Color Peak	600,85
		v'	0,5233	Color Peak Value	29,57
		L	100,00	Color Dominant	582,7
u'	0,2522	a	27,32	Luminous Intensity	0,00
v'	0,5238	b	60,73	Purity	
L	100,00	X	1672,78	Radiometric	4,2647
a	22,27	Y	1504,08	PAR	-
b	60,91	Z	544,98	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	80,6	Ra	80,6	Mivis	2,6
R1	78,6	R8	55,1	Miuv	3,9
R2	90,4	R9	-0,8	Binning	
R3	95,5	R10	78,2	Binning	3000K
R4	77,4	R11	75,8	Brightness	
R5	78,8	R12	68,8		
R6	88,3	R13	81,3		
R7	81,1	R14	98,1		