

GL GONIOSPECTROMETER  
**Lighting Research & Measurement Center**

**Report Wizard Sample Description Lines**

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Client name: *LED line®*  
Model name: *UFO T 200W 26000LM 4000K 90°*  
Item No: *248733*  
Serial No.: *12503*  
Made by: *Radosław Kośnik*

**Eulumdat Fields**

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Company: *LEDline®*  
Report number: *B797*  
LuminaireName: *UFO T 200W 26000LM 4000K 90°*  
LuminaireNumber: *248733*  
FileName: *B797\_248733\_12503\_G\_20190829\_R\_P*  
Date: *2019-08-29*

**Dimensions of luminaire**

Length: *320 mm*  
Width: *0 mm*  
Height: *250 mm*

**Dimensions of luminous area**

Length: *190 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: 25697,40 lm  
 Color temperatur: 3945.8 K  
 Color rendering index: 83,53  
 Wattage including ballast: 196,02 W

### Utilization factors:

k = 0.60 0,419  
 k = 0.80 0,512  
 k = 1.00 0,592  
 k = 1.20 0,663  
 k = 1.50 0,715  
 k = 2.00 0,792  
 k = 2.50 0,825  
 k = 3.00 0,851  
 k = 4.00 0,884  
 k = 5.00 0,904

### Electrical parameters

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*U* = 230,024 V  
*I* = 0,879 A  
*P* = 196,025 W  
 Power factor = 0,969

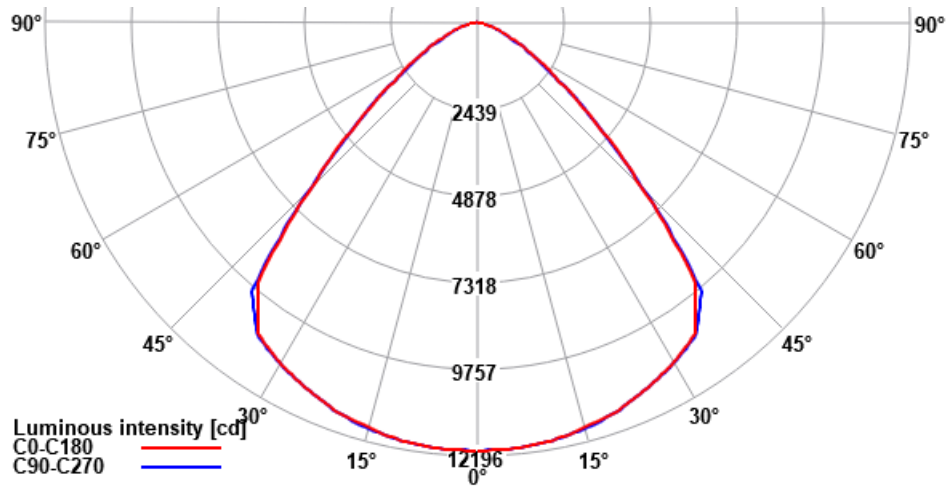
Power apparent = 0,000 VA  
 Power Reactive = 0,000 var  
 Frequency Voltage = 0,000 Hz  
 THD = 0,000 %

Temperature = 26.0 C

## Goniometric measurement results

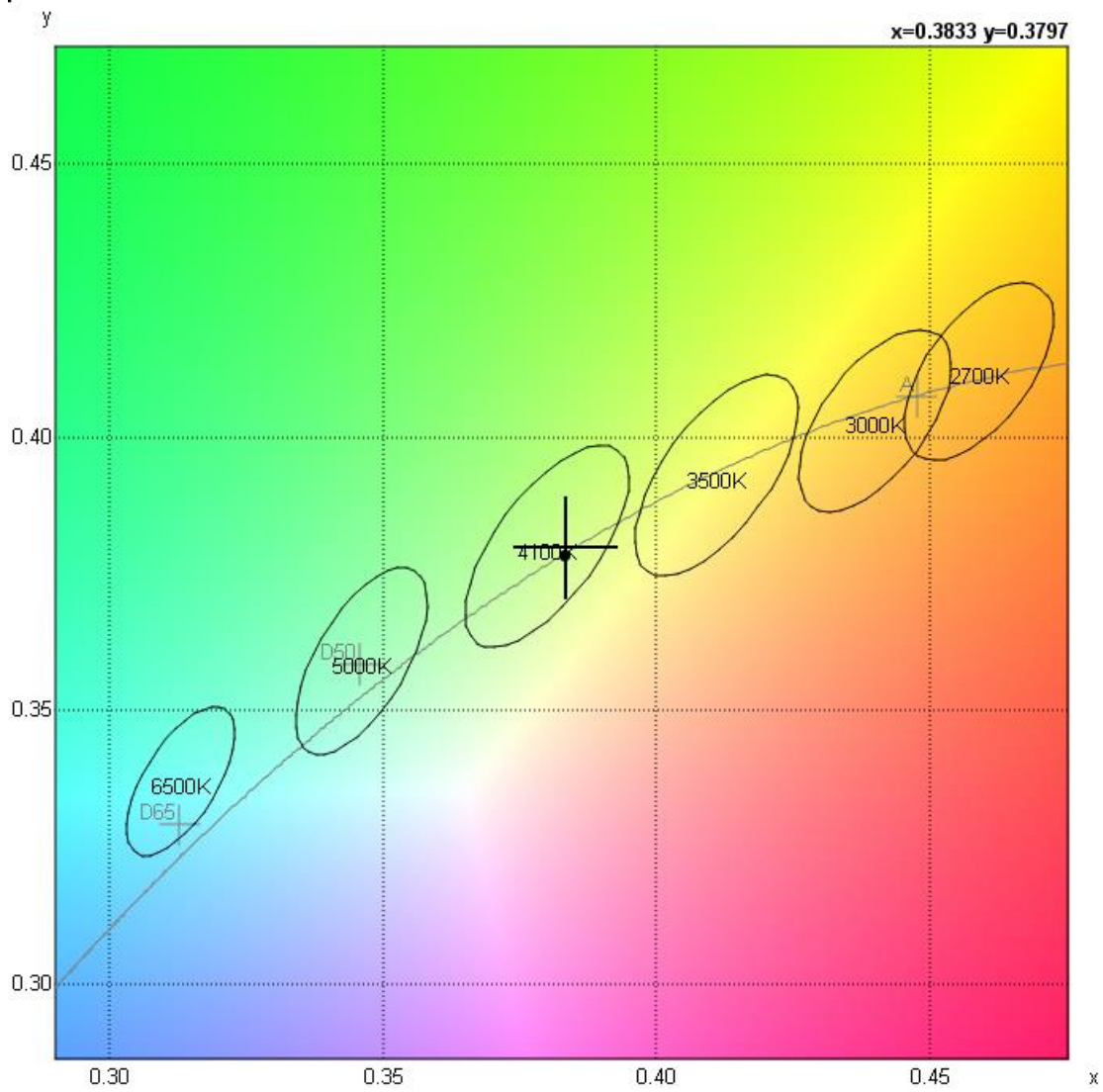
Total flux (utilized luminaire flux)	<i>25697,40 lm</i>
Flux in lower hemisphere	<i>100,00 %</i>
Flux in upper hemisphere	<i>0,00 %</i>
Maximum luminous intensity	<i>12076,75 cd</i>
Light output ratio (LOR)	<i>100,00 %</i>
Luminous efficacy	<i>131,10 lm/W</i>

**Light intensity distribution diagram**

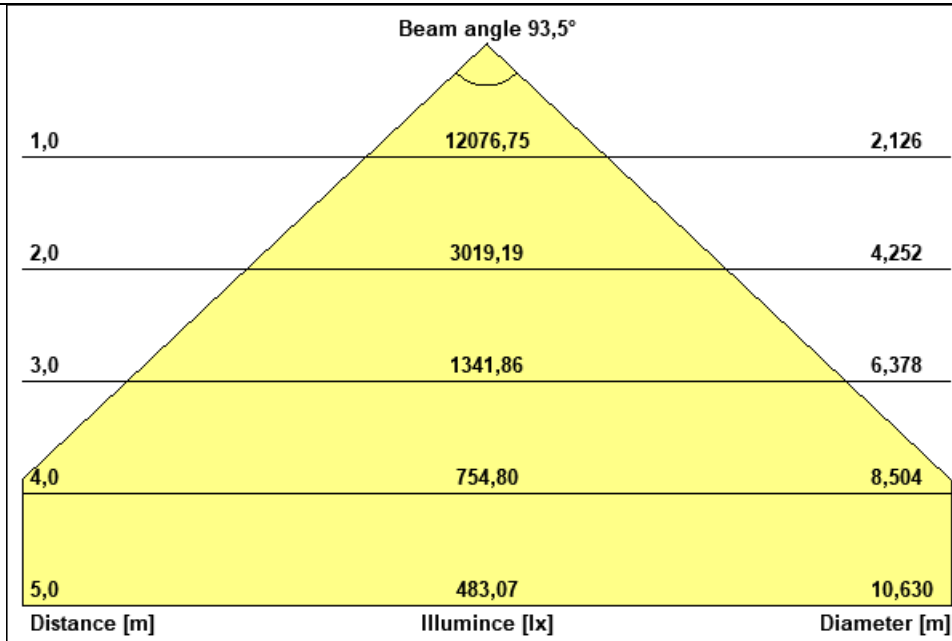


**CIE 1931 diagram**

x 0,3833  
 y 0,3797  
 Angular Colour Uniformity 0,0000  
 Binning 4100K



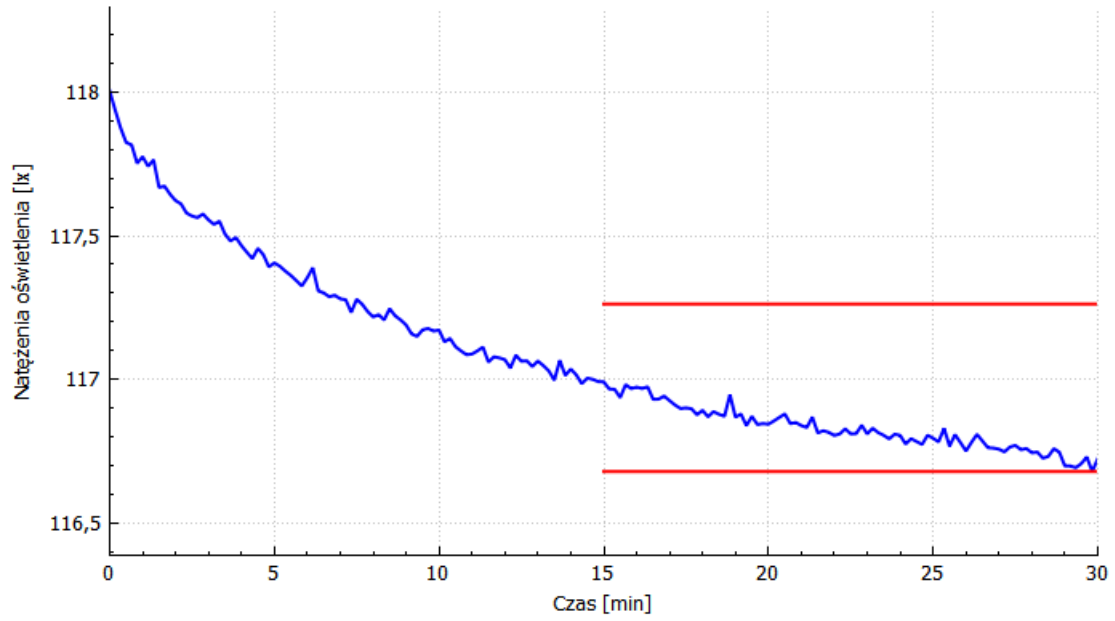
**Beam cone**



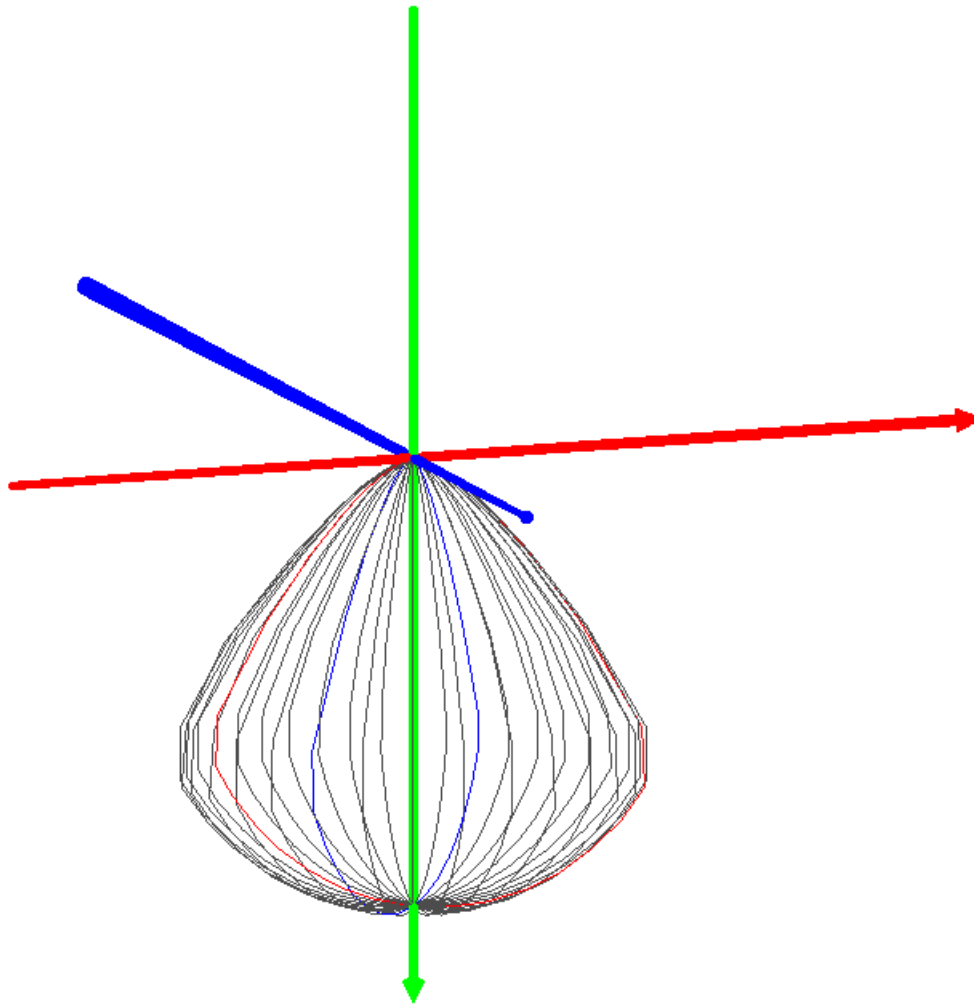
Distance [m]	Max illuminance [lx]	Diameter [m]
1	12076,7501	2,126
2	3019,1875	4,252
3	1341,8611	6,378
4	754,7969	8,504
5	483,0700	10,630

C plane	Beam angle	Gamma max	Start [°]	Stop [°]
Average	93,5°	5,0°	-46,8°	46,8°
0-180°	92,3°	5,0°	-46,2°	46,2°
90-270°	92,4°	5,0°	-46,2°	46,2°

## Stabilization



### 3D Chart

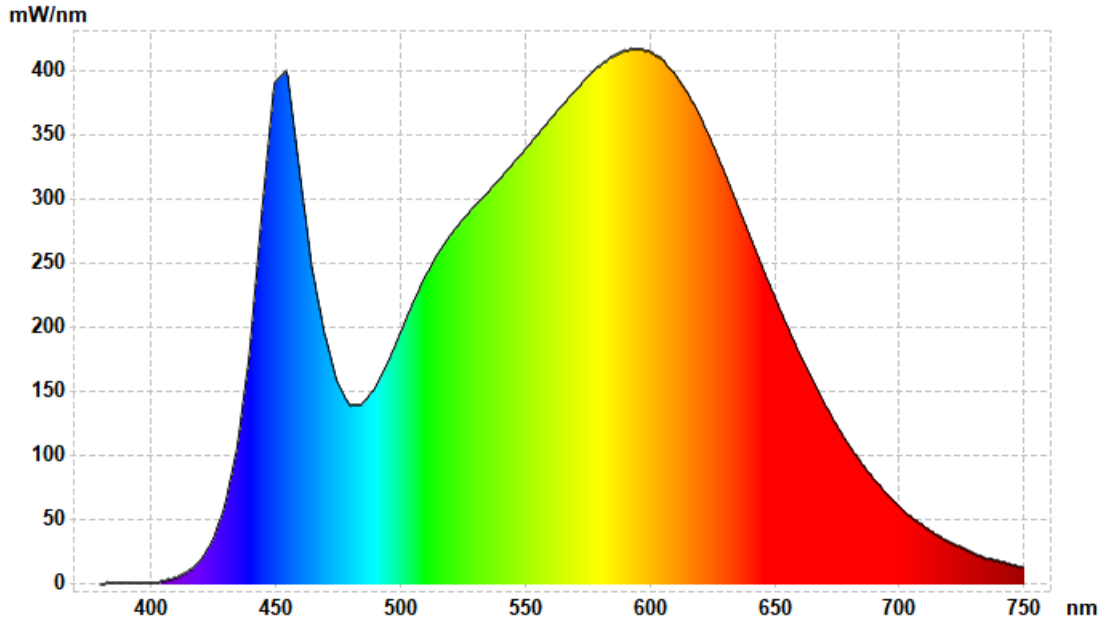


Legend

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



## Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,3833	x	0,3895	CCT	3946
y	0,3797	y	0,3770	Chromaticity Error	0,003
Flux	25697,40 lm	u'	0,2310	Color Peak	594,00
		v'	0,5030	Color Peak Value	416,54
		L	100,00	Color Dominant	579,0
u'	0,2258	a	14,56	Luminous Intensity	0,00
v'	0,5033	b	33,47	Purity	
L	100,00	X	26452,77	Radiometric	73,3958
a	10,12	Y	25599,26	PAR	-
b	33,87	Z	15856,32	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	83,5	Ra	83,5	Mivis	1,9
R1	81,9	R8	65,4	Miuv	4,1
R2	90,2	R9	12,3	Binning	
R3	95,5	R10	76,1	Binning	4100K
R4	81,4	R11	79,7	Brightness	
R5	81,6	R12	62,3		
R6	85,9	R13	84,0		
R7	86,3	R14	97,7		