

GL GONIOSPECTROMETER
Lighting Research & Measurement Center

Report Wizard Sample Description Lines

Client name: *LED line®*
Model name: *UFO T 200W 26000LM 4000K 60°*
Item No: *248184*
Serial No.: *12503*
Made by: *Radosław Kośnik*

Eulumdat Fields

Company: *LEDline®*
Report number: *B796*
LuminaireName: *UFO T 200W 26000LM 4000K 60°*
LuminaireNumber: *248184*
FileName: *B796_248184_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:	25507,30 lm
Color temperatur:	4023.35 K
Color rendering index:	83,99
Wattage including ballast:	198,24 W

Utilization factors:

k = 0.60	0,509
k = 0.80	0,584
k = 1.00	0,651
k = 1.20	0,711
k = 1.50	0,755
k = 2.00	0,824
k = 2.50	0,851
k = 3.00	0,874
k = 4.00	0,905
k = 5.00	0,924

Electrical parameters

<i>U</i>	= 229,925 V
<i>I</i>	= 0,888 A
<i>P</i>	= 198,241 W
<i>Power factor</i>	= 0,971

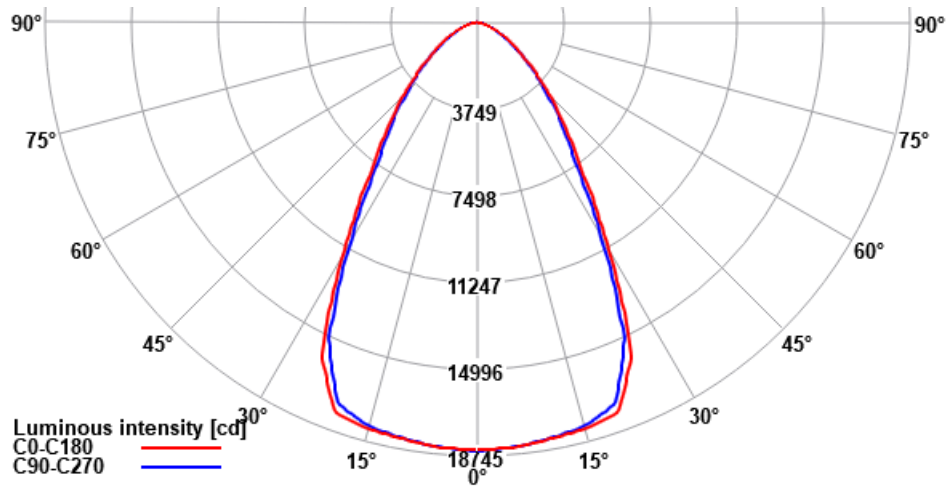
<i>Power apparent</i>	= 0,000 VA
<i>Power Reactive</i>	= 0,000 var
<i>Frequency Voltage</i>	= 0,000 Hz
<i>THD</i>	= 0,000 %

Temperature = 26.0 C

Goniometric measurement results

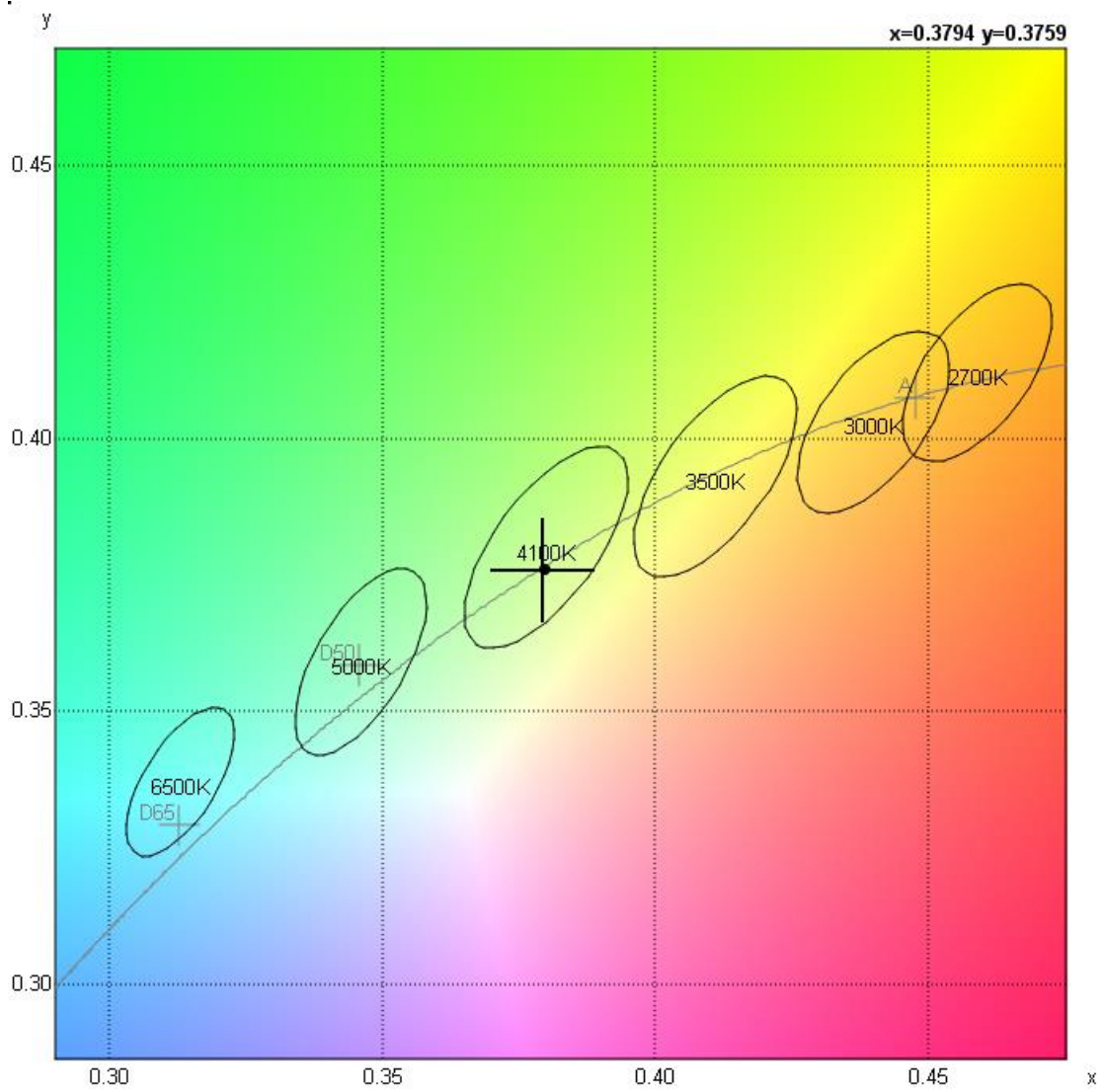
Total flux (utilized luminaire flux)	<i>25507,30 lm</i>
Flux in lower hemisphere	<i>100,00 %</i>
Flux in upper hemisphere	<i>-0,00 %</i>
Maximum luminous intensity	<i>18560,57 cd</i>
Light output ratio (LOR)	<i>100,00 %</i>
Luminous efficacy	<i>128,67 lm/W</i>

Light intensity distribution diagram

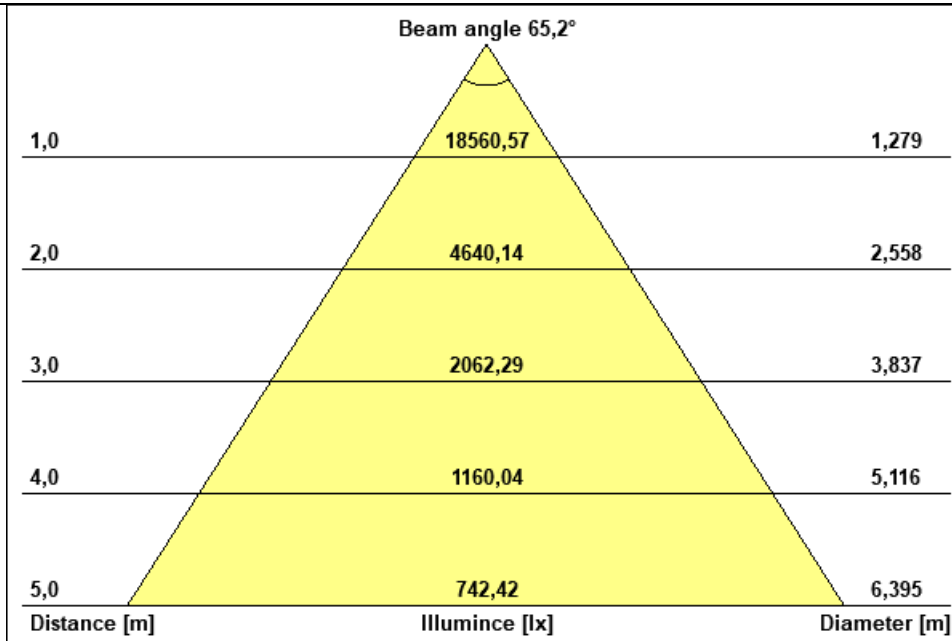


CIE 1931 diagram

x 0,3794
 y 0,3759
 Angular Colour Uniformity 0,0000
 Binning 4100K



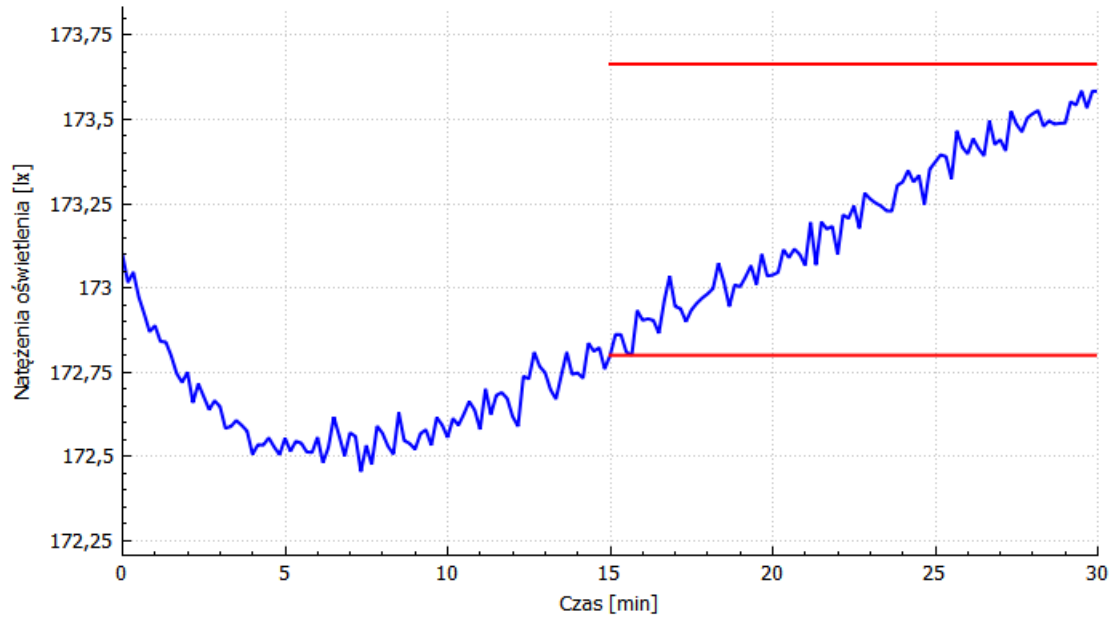
Beam cone



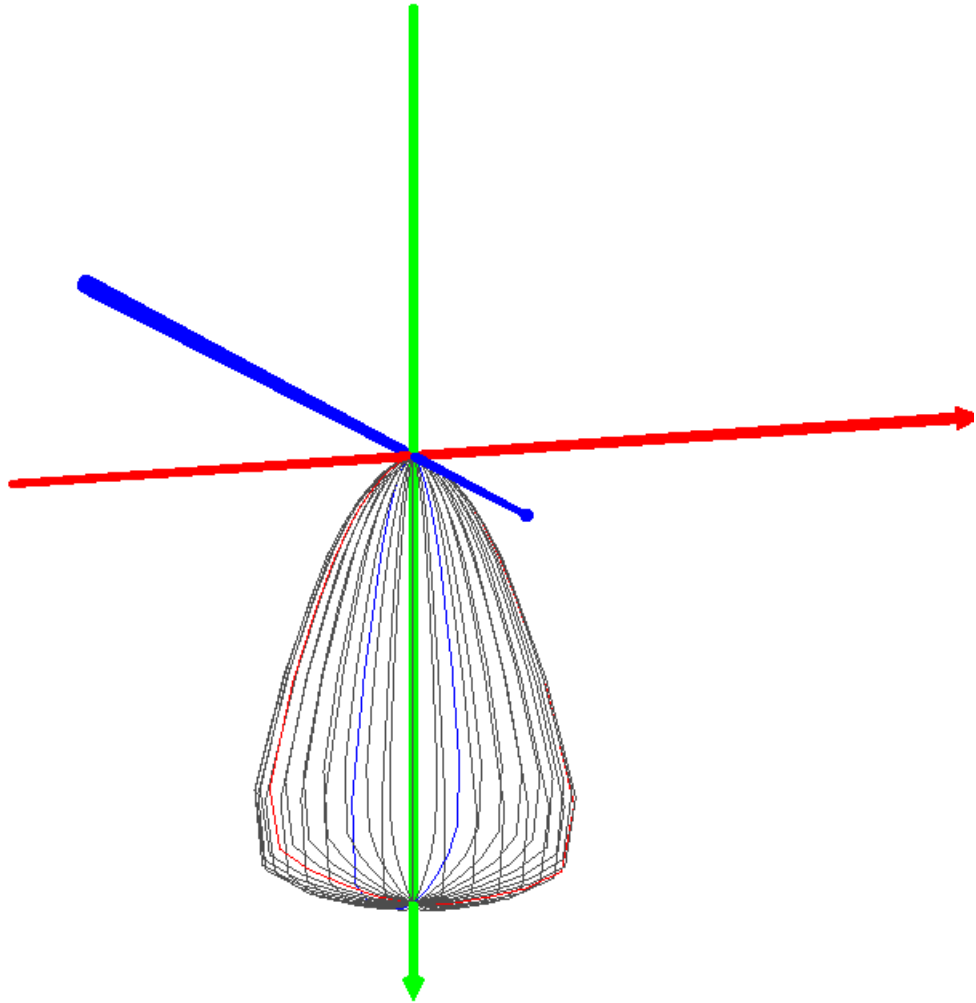
Distance [m]	Max illuminance [lx]	Diameter [m]
1	18560,5654	1,279
2	4640,1413	2,558
3	2062,2850	3,837
4	1160,0353	5,116
5	742,4226	6,395

C plane	Beam angle	Gamma max	Start [°]	Stop [°]
Average	65,2°	5,0°	-32,6°	32,6°
0-180°	66,5°	5,0°	-33,2°	33,2°
90-270°	64,6°	5,0°	-32,3°	32,3°

Stabilization



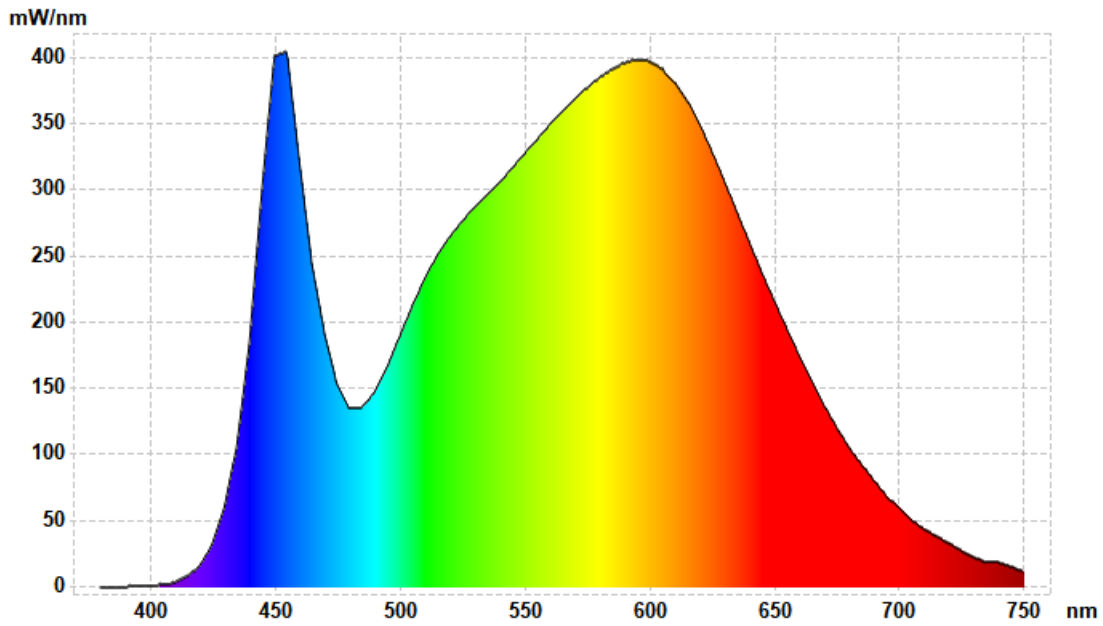
3D Chart



Legend

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

Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,3794	x	0,3854	CCT	4023
y	0,3759	y	0,3732	Chromaticity Error	0,003
Flux	25507,30 lm	u'	0,2298	Color Peak	452,76
		v'	0,5007	Color Peak Value	418,52
		L	100,00	Color Dominant	579,0
u'	0,2248	a	14,43	Luminous Intensity	0,00
v'	0,5010	b	31,05	Purity	
L	100,00	X	25481,87	Radiometric	71,2391
a	10,11	Y	24677,35	PAR	-
b	31,49	Z	15962,14	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	84,0	Ra	84,0	Mivis	1,9
R1	82,6	R8	66,7	Miuv	4,2
R2	90,4	R9	14,9	Binning	
R3	95,2	R10	76,4	Binning	4100K
R4	82,1	R11	80,5	Brightness	
R5	82,3	R12	62,3		
R6	85,9	R13	84,7		
R7	86,7	R14	97,5		