

GL GONIOSPECTROMETER
Lighting Research & Measurement Center

Report Wizard Sample Description Lines

Client name: *LED line®*
Model name: *UFO T 150W 22500LM 4000K 120° DIM*
Item No: *245640*
Serial No.: *12503*
Made by: *Radosław Kośnik*

Eulumdat Fields

Company: *LEDline®*
Report number: *B798*
LuminaireName: *UFO T 150W 22500LM 4000K 120° DIM*
LuminaireNumber: *245640*
FileName: *B798_245640_12503_G_20190829_R_P*
Date: *2019-08-29*

Dimensions of luminaire

Length: *260 mm*
Width: *0 mm*
Height: *250 mm*

Dimensions of luminous area

Length: *145 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: 22458,90 lm
 Color temperatur: 3970.52 K
 Color rendering index: 73,98
 Wattage including ballast: 149,68 W

Utilization factors:

k = 0.60 0,300
 k = 0.80 0,399
 k = 1.00 0,483
 k = 1.20 0,564
 k = 1.50 0,624
 k = 2.00 0,713
 k = 2.50 0,760
 k = 3.00 0,795
 k = 4.00 0,841
 k = 5.00 0,868

Electrical parameters

U = 229,976 V
I = 0,672 A
P = 149,682 W
 Power factor = 0,968

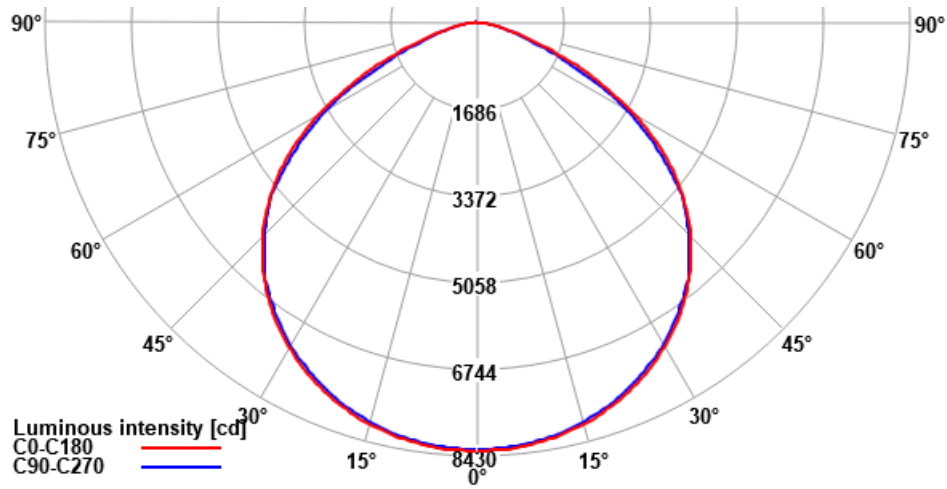
 Power apparent = 0,000 VA
 Power Reactive = 0,000 var
 Frequency Voltage = 0,000 Hz
 THD = 0,000 %

Temperature = 26.2 C

Goniometric measurement results

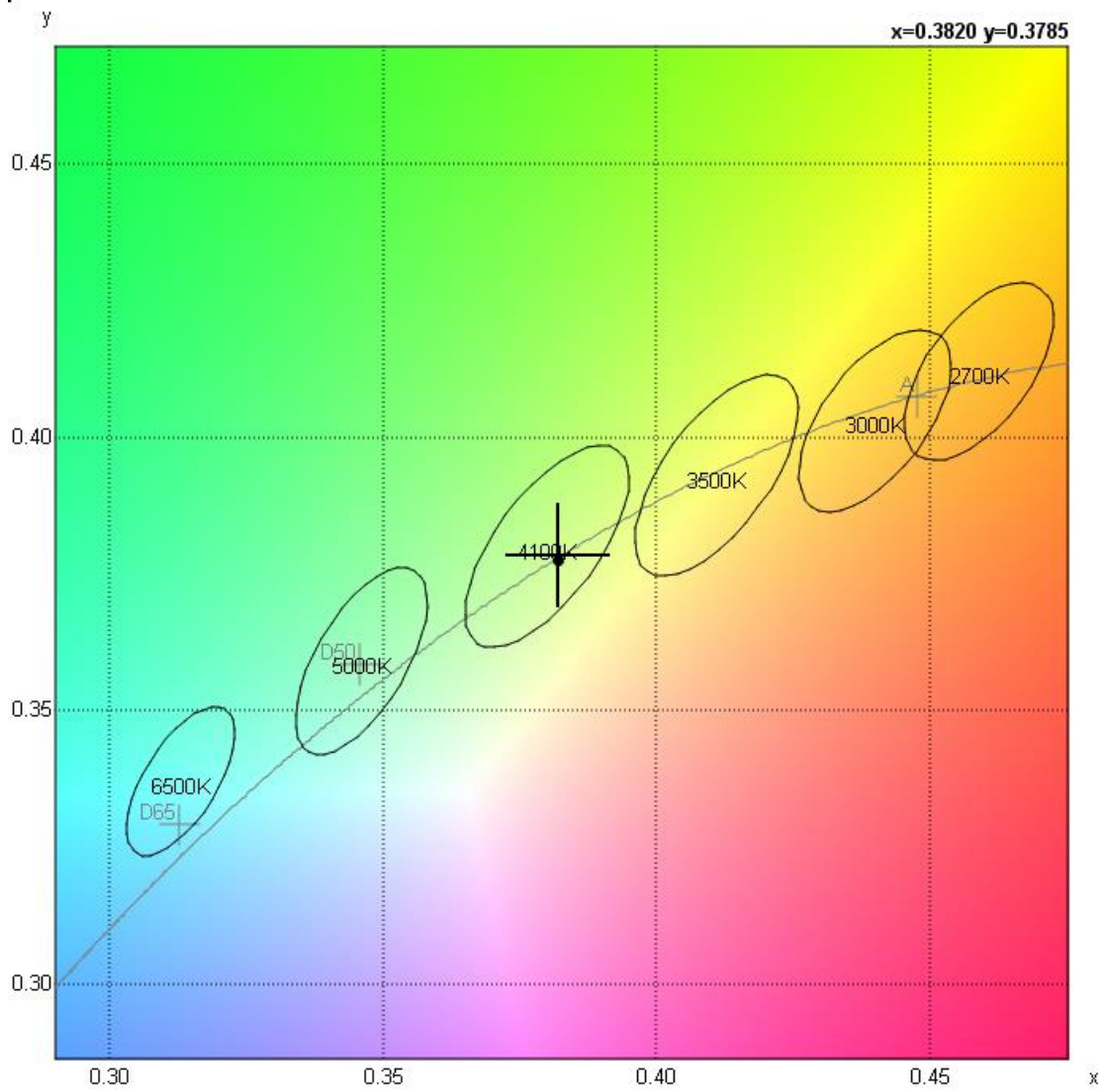
Total flux (utilized luminaire flux)	<i>22458,90 lm</i>
Flux in lower hemisphere	<i>100,00 %</i>
Flux in upper hemisphere	<i>0,00 %</i>
Maximum luminous intensity	<i>8346,38 cd</i>
Light output ratio (LOR)	<i>100,00 %</i>
Luminous efficacy	<i>150,05 lm/W</i>

Light intensity distribution diagram

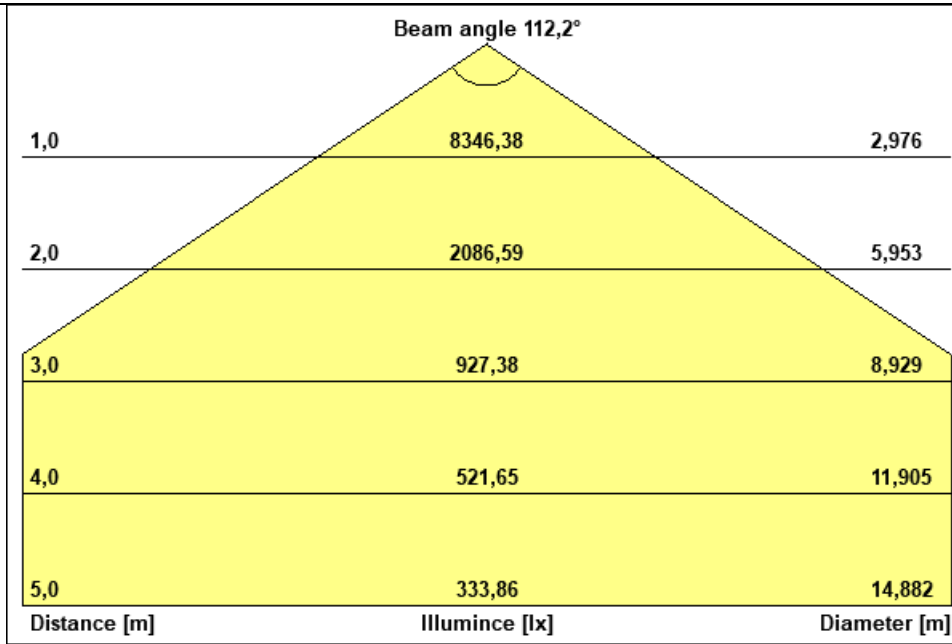


CIE 1931 diagram

x 0,3820
 y 0,3785
 Angular Colour Uniformity 0,0000
 Binning 4100K



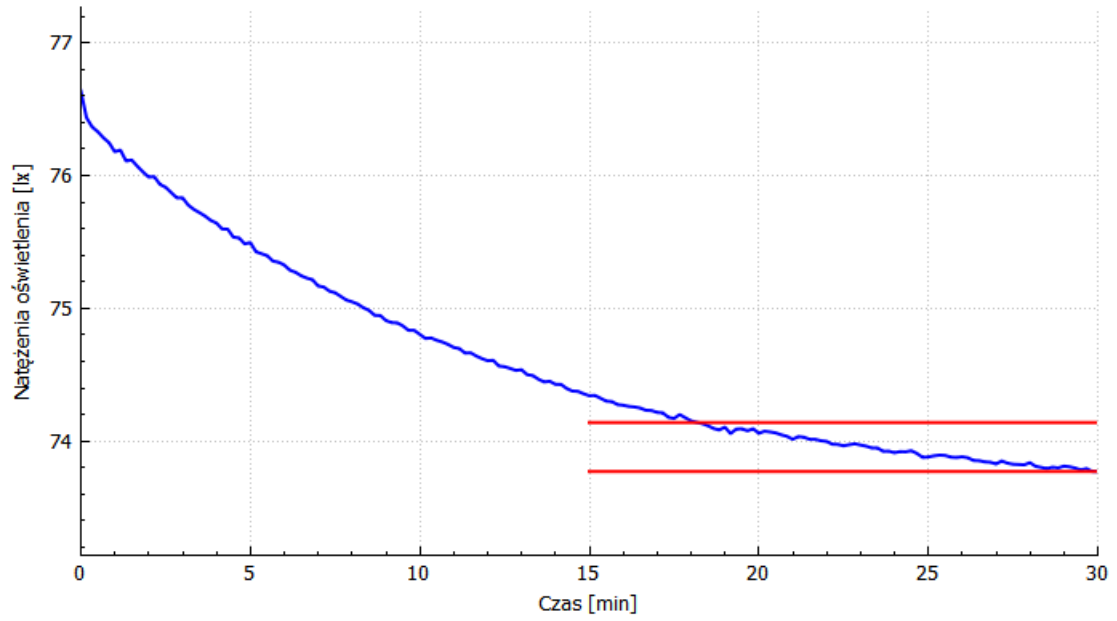
Beam cone



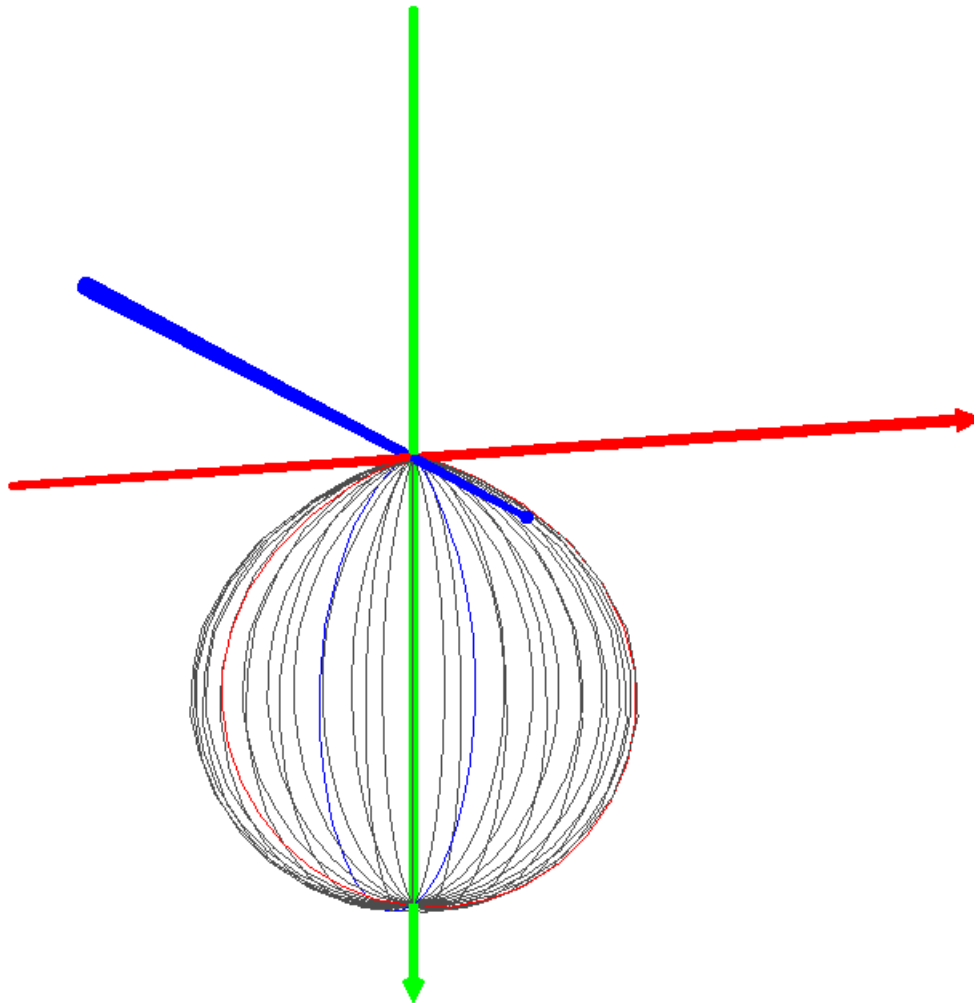
Distance [m]	Max illuminance [lx]	Diameter [m]
1	8346,3785	2,976
2	2086,5946	5,953
3	927,3754	8,929
4	521,6487	11,905
5	333,8551	14,882

C plane	Beam angle	Gamma max	Start [°]	Stop [°]
Average	112,2°	5,0°	-56,1°	56,1°
0-180°	113,0°	5,0°	-56,5°	56,5°
90-270°	111,7°	5,0°	-55,8°	55,8°

Stabilization



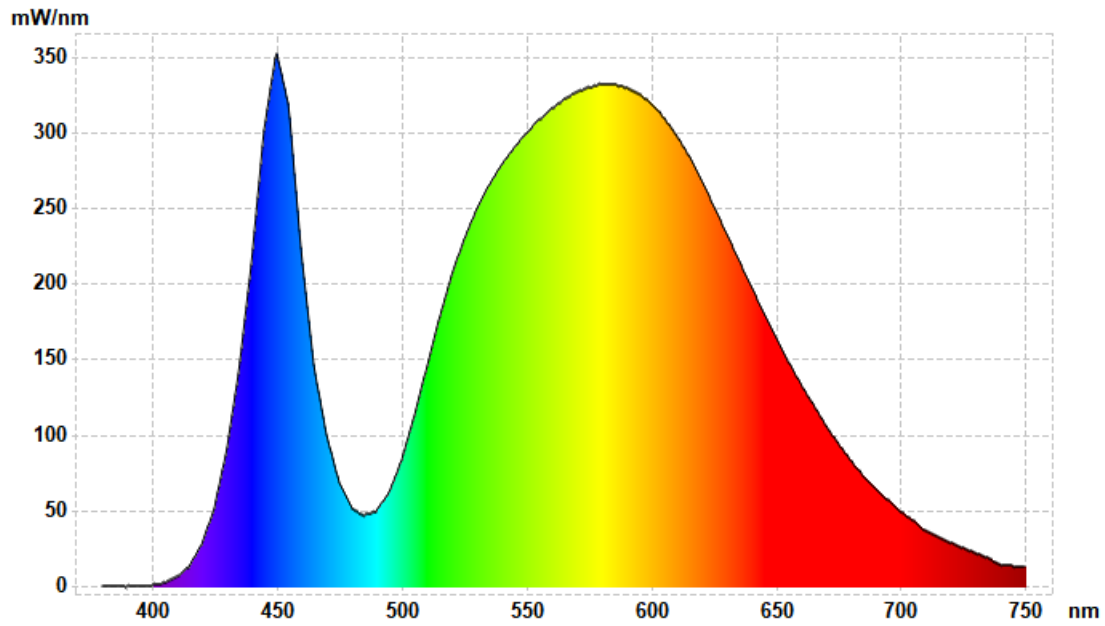
3D Chart



Legend

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

Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,3820	x	0,3892	CCT	3971
y	0,3785	y	0,3702	Chromaticity Error	0,006
Flux	22458,90 lm	u'	0,2336	Color Peak	450,92
		v'	0,5000	Color Peak Value	355,38
		L	100,00	Color Dominant	579,0
u'	0,2255	a	17,51	Luminous Intensity	0,00
v'	0,5026	b	30,79	Purity	
L	100,00	X	21261,00	Radiometric	56,8982
a	10,11	Y	20225,22	PAR	-
b	33,10	Z	13142,86	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	74,0	Ra	74,0	Mivis	2,0
R1	72,0	R8	58,8	Miuv	4,7
R2	79,8	R9	-12,1	Binning	
R3	84,2	R10	50,2	Binning	4100K
R4	73,0	R11	67,3	Brightness	
R5	70,6	R12	41,1		
R6	70,1	R13	73,0		
R7	83,4	R14	90,7		