

# Photometric Test Report



## DISPLAYCOBTRWDFC

60 W RGB/FC track mounted  
and W-DMX spotlight

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## TESTING PROCESS

Prolights has its own optical testing laboratory in order to provide accurate photometric reports for its lighting products. The testing laboratory contains certain variety of precise lighting measurement systems that ensure an optimal reading of all the characteristic parameters of the lighting devices. All measurements are made at a controlled room temperature of 20°C without any external light sources. This photometric report is obtained through the data measured by a high precision measurement system and analyzed by a dedicate software.

### Prolights measurement instrument

Prolights measurement instrument is a complete measurement system for any light source. It's equipped with two-axis goniometer, that enables to measure the full 3D distribution field of the light source. This instrument measures the light intensity, the beam angle and the most significative colors parameters, like color temperature, spectral distribution, CRI, CQS, TM-30 with a very high accuracy rate.

**Please Note:** All measurements are made with light source at operating temperature. Before starting the measurement, the instrument analyzes the process of the light source during the heating phase. The measuring process of all the parameters begins only when the light emission is stable, that is with a variation of less than 0.5% in a 15 minutes time frame.

### Prolights measurement software

The software provides user friendly interface for the operator who does the measurements, and it also analyzes and processes all the collected data by the instrument. With this software it is possible to see the measured data in real-time and it is possible to examine all the measured data and graphics afterwards as well. All information is collected in a specific Prolights template, and the software creates also IES and LDT files, which are widely used to transfer the photometric data, and to develop lighting system.

Additionally, the fixtures are rechecked using various hand-held instruments like Sekonic C-700 and Gossen Mavospec Base, this is done to ensure, that the data in the photometric report are as accurate as possible.



Total lumen output:

1726 lm

Peak candela output:

2011 cd

**PRODUCT NAME:**

DISPLAYCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Native optic

Target:

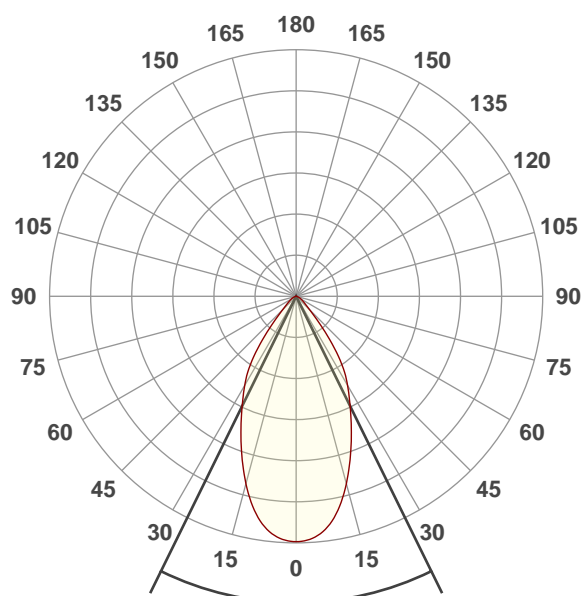
Full On

Operator:

Paolo Carvone

Date and time:

13/08/2020 15:23:37

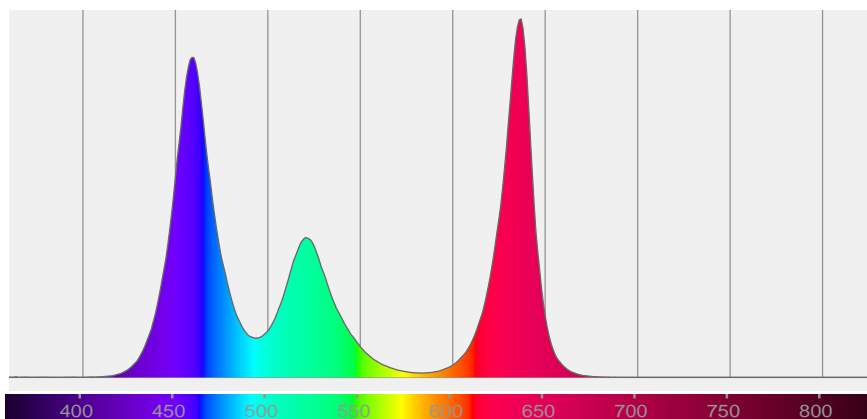


Beam angle 50%: 52,4°

Field angle 10%: 86,6°

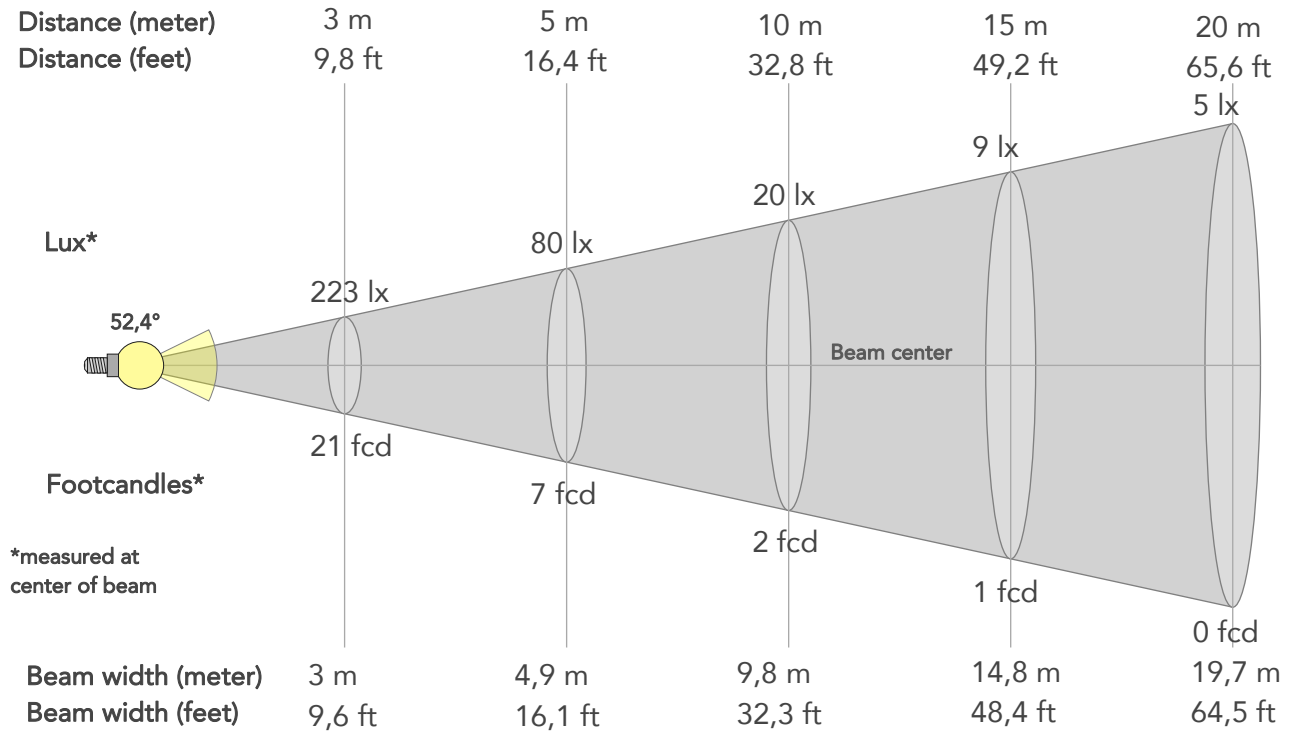
Cut off angle 2.5%: 117,5°

**Spectra**



## BEAM DETAILS

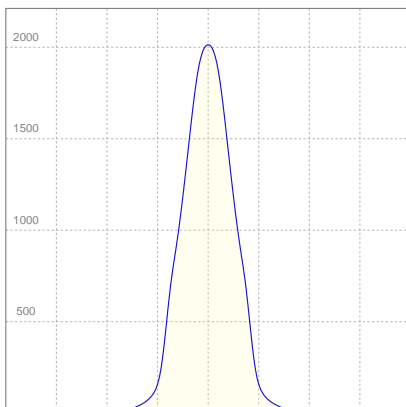
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52,4°	86,6°	117,5°	97,2%	90,9%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2011lx	503lx	223lx	126lx	80lx	36lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	187fcd	47fcd	21fcd	12fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2m	3m	3,9m	4,9m	7,4m	9,8m	14,8m	19,7m	24,6m	29,5m	39,3m	49,2m
Beam wid.	3,2ft	6,5ft	9,6ft	12,9ft	16,1ft	24,2ft	32,3ft	48,4ft	64,5ft	80,6ft	96,8ft	129ft	161,3ft

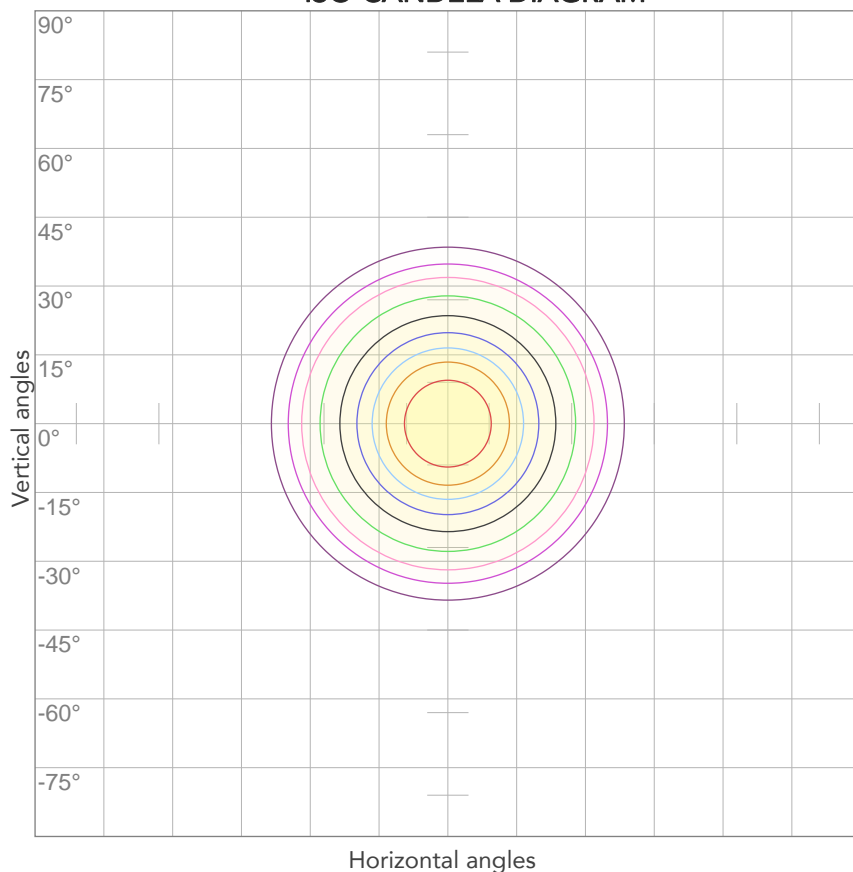
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,280A	62,2W	28lm/W
Power FC			
0,99			

## ISO CANDELA DIAGRAM



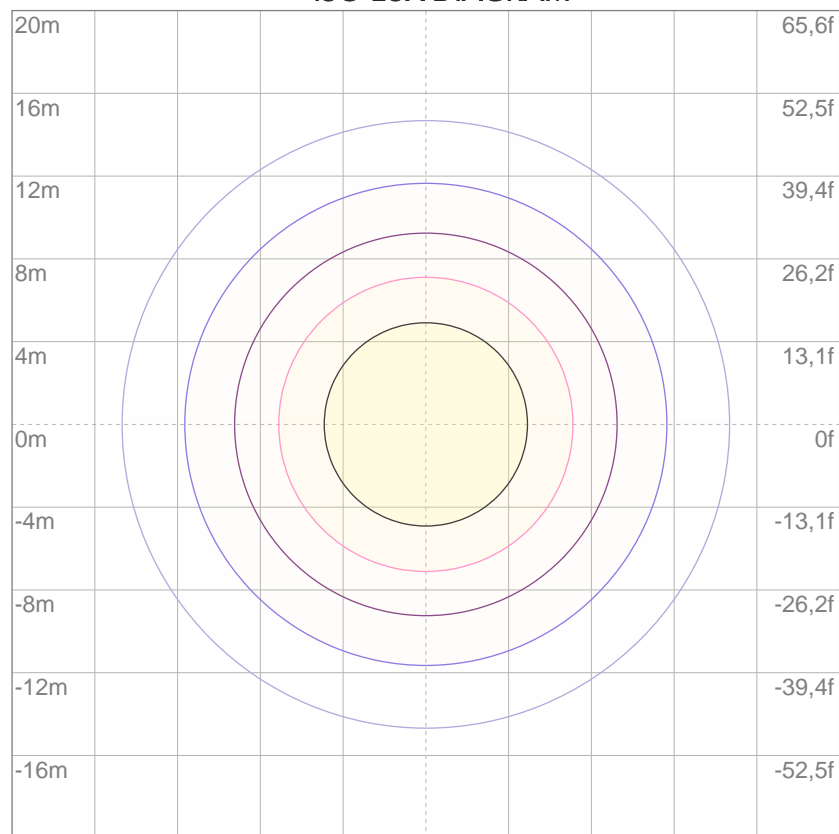
10%	201 cd
20%	402 cd
30%	603 cd
40%	804 cd
50%	1005 cd
60%	1207 cd
70%	1408 cd
80%	1609 cd

### Conditions:

Number of c-planes: 2

Candela at center: 2011 cd

## ISO LUX DIAGRAM



3%	0,603 lx
5%	1,01 lx
10%	2,01 lx
30%	6,03 lx
50%	10,1 lx

### Conditions:

Number of c-planes: 2

Lux at center: 20,1 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*



Total lumen output:

1484 lm

Peak candela output:

9246 cd

**PRODUCT NAME:**

DISPLAYCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Narrow

Target:

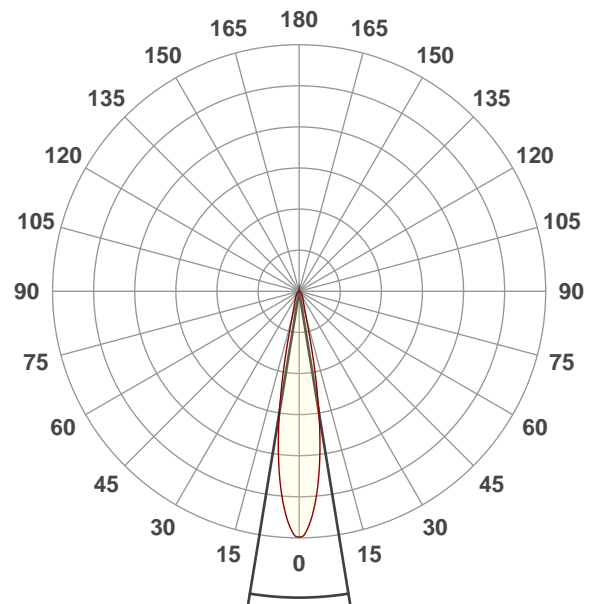
Full On

Operator:

Paolo Carvone

Date and time:

13/08/2020 15:38:12

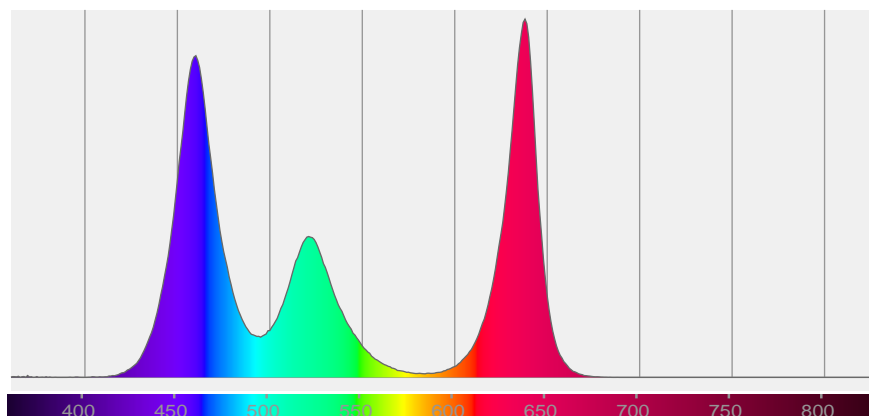


Beam angle 50%: 18,5°

Field angle 10%: 31,4°

Cut off angle 2.5%: 63,8°

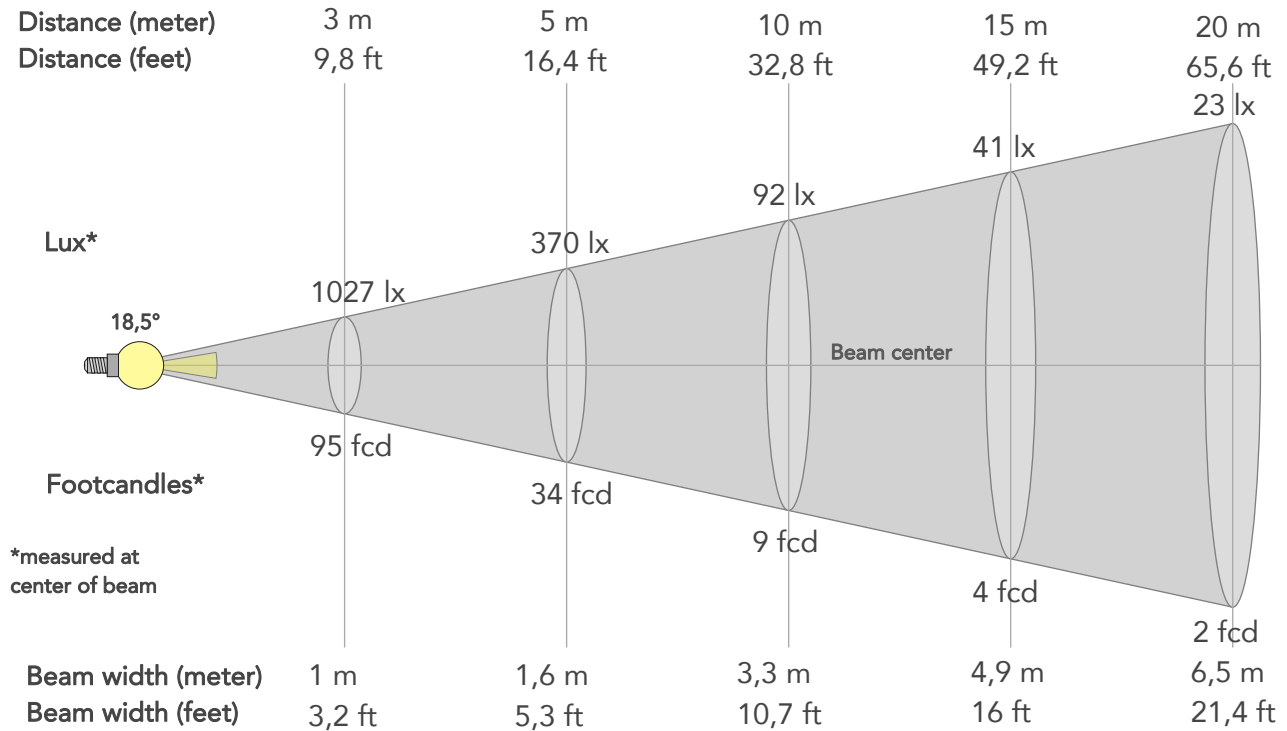
**Spectra**



## BEAM DETAILS



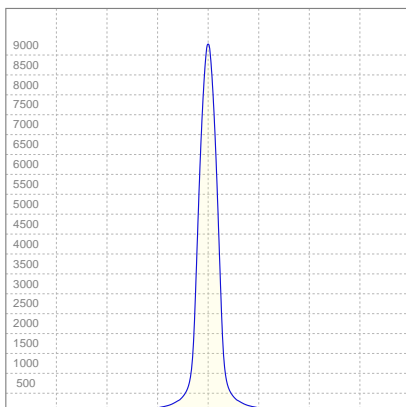
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,5°	31,4°	63,8°	97,4%	89,6%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	9246lx	2311lx	1027lx	578lx	370lx	164lx	92lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	859fcd	215fcd	95fcd	54fcd	34fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,4m	3,3m	4,9m	6,5m	8,2m	9,8m	13m	16,3m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,3ft	8ft	10,7ft	16ft	21,4ft	26,7ft	32,1ft	42,8ft	53,5ft

### LINEAR DISTRIBUTION DIAGRAM

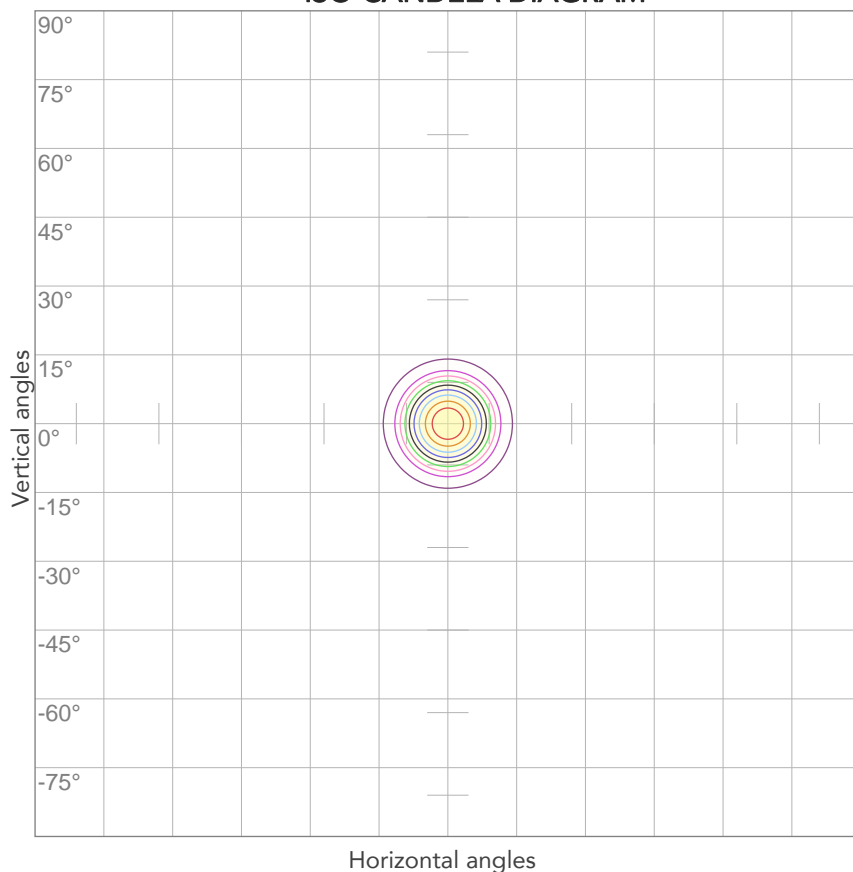


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Efficiency
226V	0,278A	61,7W	24lm/W
Power FC			
0,99			



## ISO CANDELA DIAGRAM



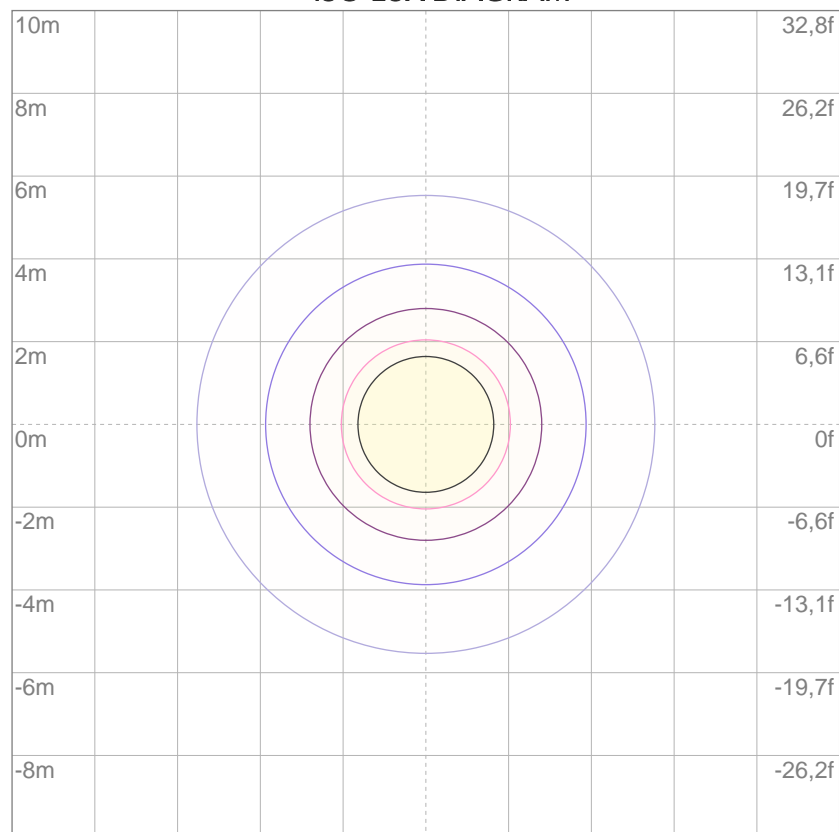
10%	925 cd
20%	1849 cd
30%	2774 cd
40%	3698 cd
50%	4623 cd
60%	5547 cd
70%	6472 cd
80%	7397 cd

### Conditions:

Number of c-planes: 2

Candela at center: 9246 cd

## ISO LUX DIAGRAM



3%	2,77 lx
5%	4,62 lx
10%	9,25 lx
30%	27,7 lx
50%	46,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 92,5 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*



Total lumen output:

1516 lm

Peak candela output:

5157 cd

**PRODUCT NAME:**

DISPLAYCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Medium

Target:

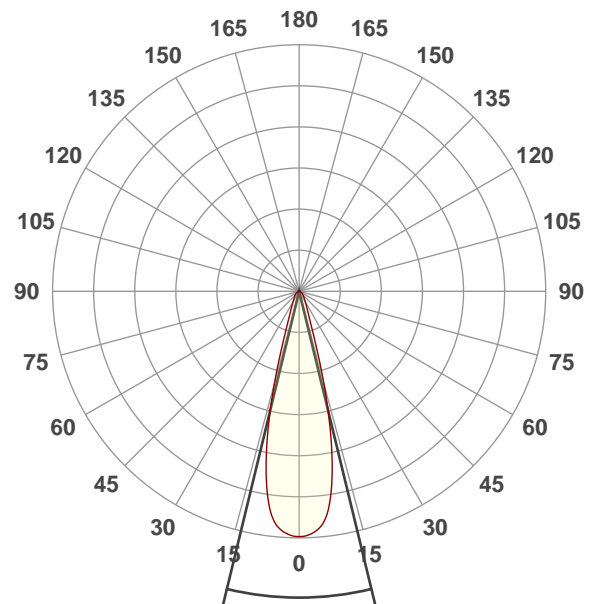
Full On

Operator:

Paolo Carvone

Date and time:

13/08/2020 15:55:30

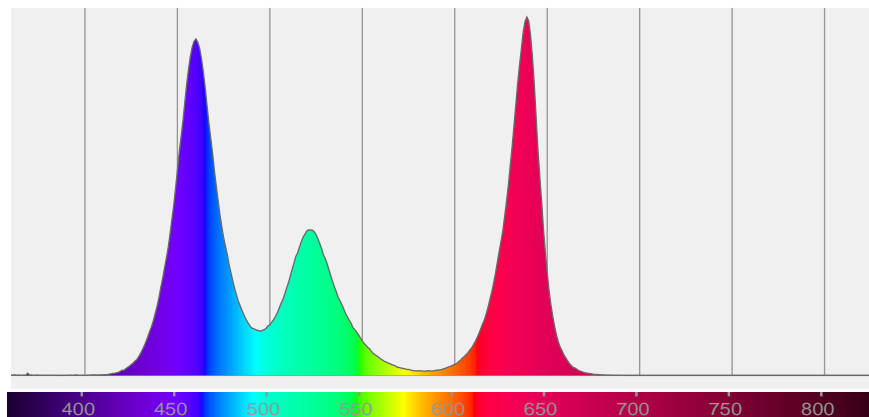


Beam angle 50%: 27,3°

Field angle 10%: 44,4°

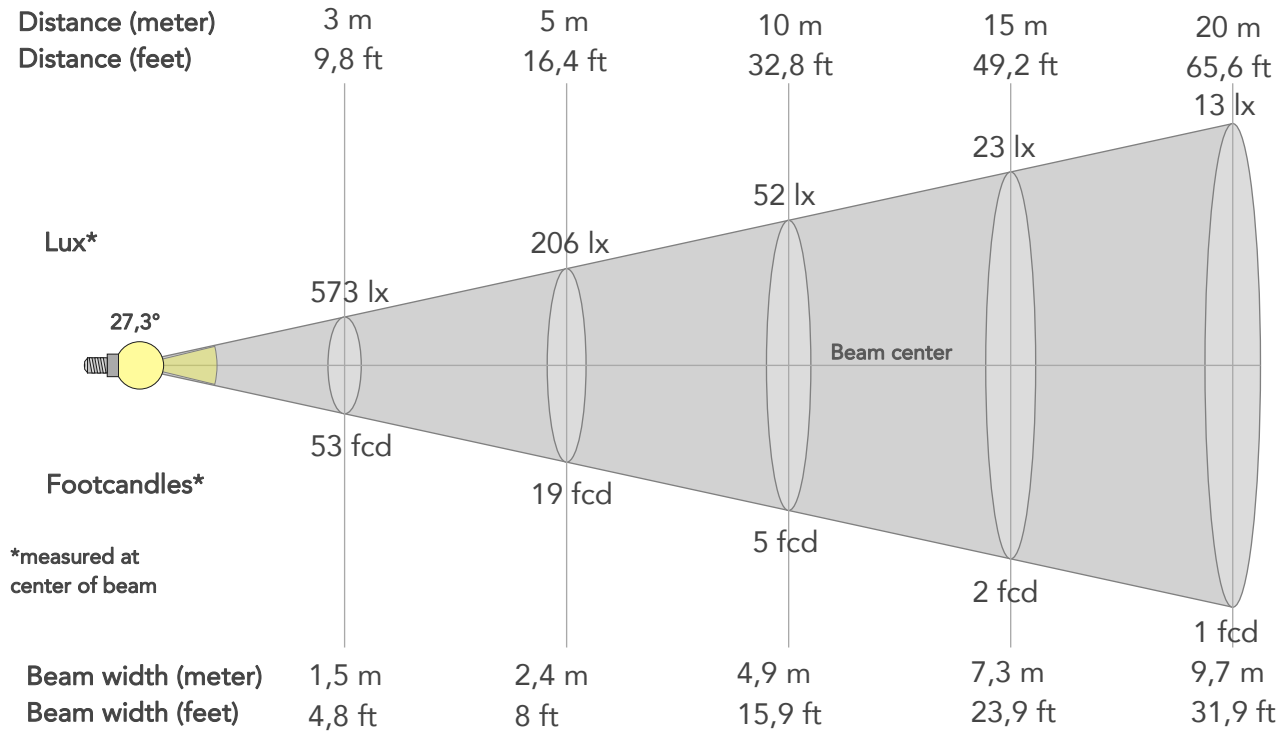
Cut off angle 2.5%: 87,1°

**Spectra**



## BEAM DETAILS

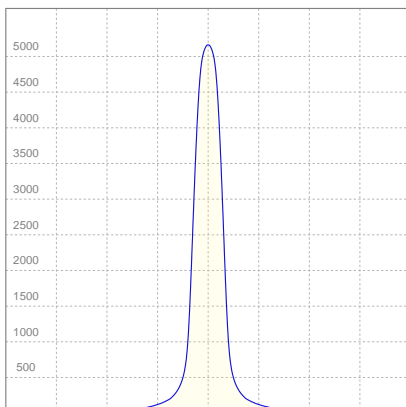
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,3°	44,4°	87,1°	96,7%	89,2%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5157lx	1289lx	573lx	322lx	206lx	92lx	52lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	479fcd	120fcd	53fcd	30fcd	19fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	1,9m	2,4m	3,6m	4,9m	7,3m	9,7m	12,1m	14,6m	19,4m	24,3m
Beam wid.	1,6ft	3,2ft	4,8ft	6,4ft	8ft	11,9ft	15,9ft	23,9ft	31,9ft	39,8ft	47,8ft	63,7ft	79,6ft

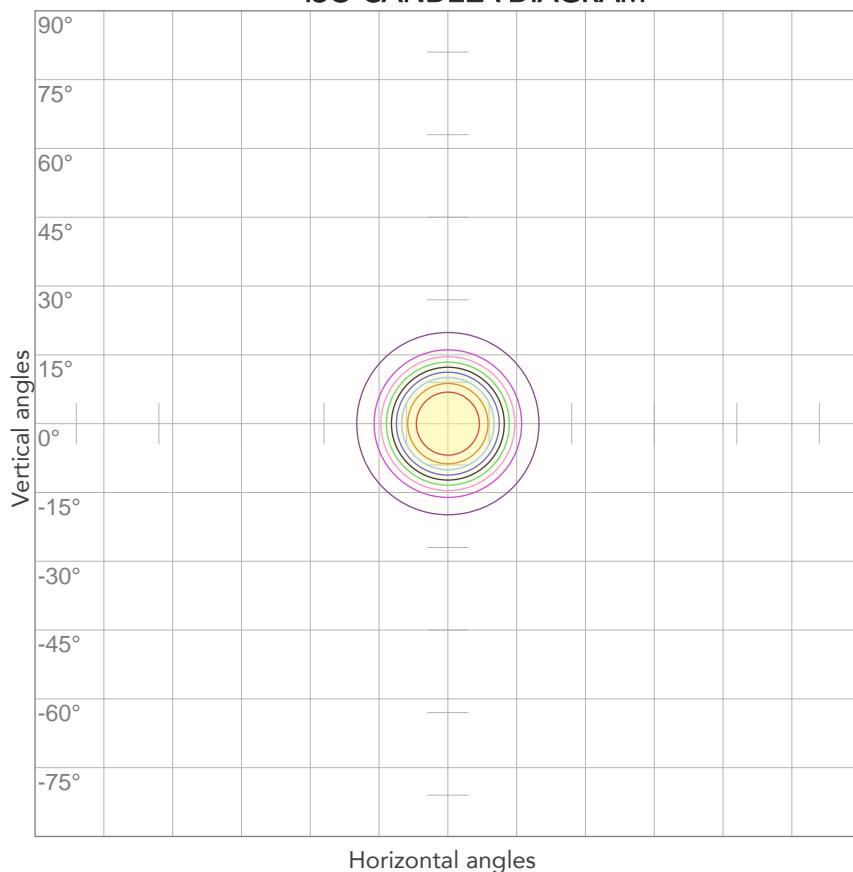
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,275A	61,3W	25lm/W
Power FC			
0,99			

## ISO CANDELA DIAGRAM



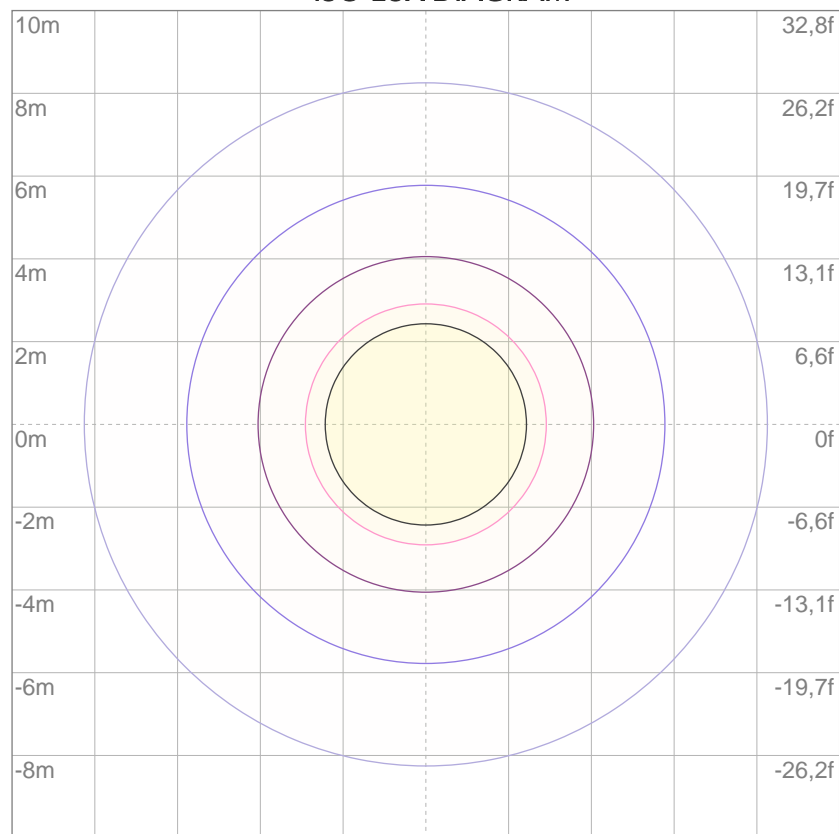
10%	516 cd
20%	1031 cd
30%	1547 cd
40%	2063 cd
50%	2579 cd
60%	3094 cd
70%	3610 cd
80%	4126 cd

### Conditions:

Number of c-planes: 2

Candela at center: 5157 cd

## ISO LUX DIAGRAM



3%	1,55 lx
5%	2,58 lx
10%	5,16 lx
30%	15,5 lx
50%	25,8 lx

### Conditions:

Number of c-planes: 2

Lux at center: 51,6 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*



Total lumen output:

629 lm

Peak candela output:

729 cd

**PRODUCT NAME:**

DISPLAYCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Native optic

Target:

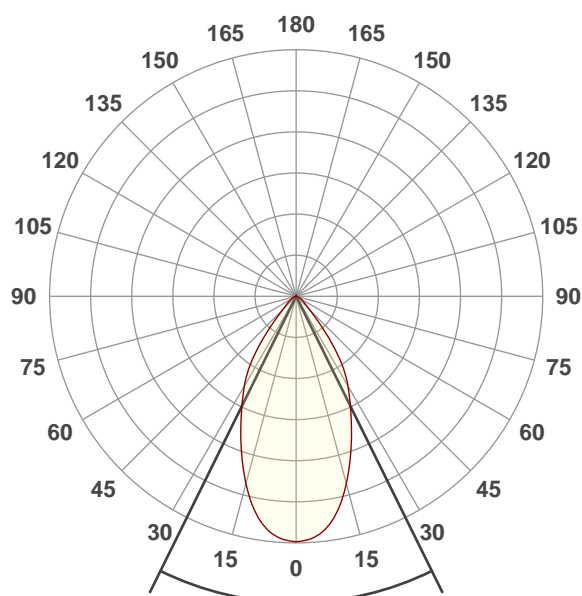
Red

Operator:

Paolo Carvone

Date and time:

13/08/2020 15:26:50

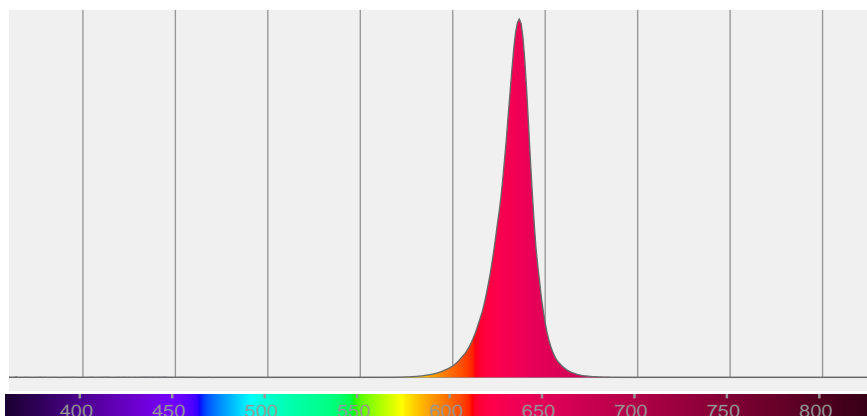


Beam angle 50%: 52,6°

Field angle 10%: 86,9°

Cut off angle 2.5%: 117,8°

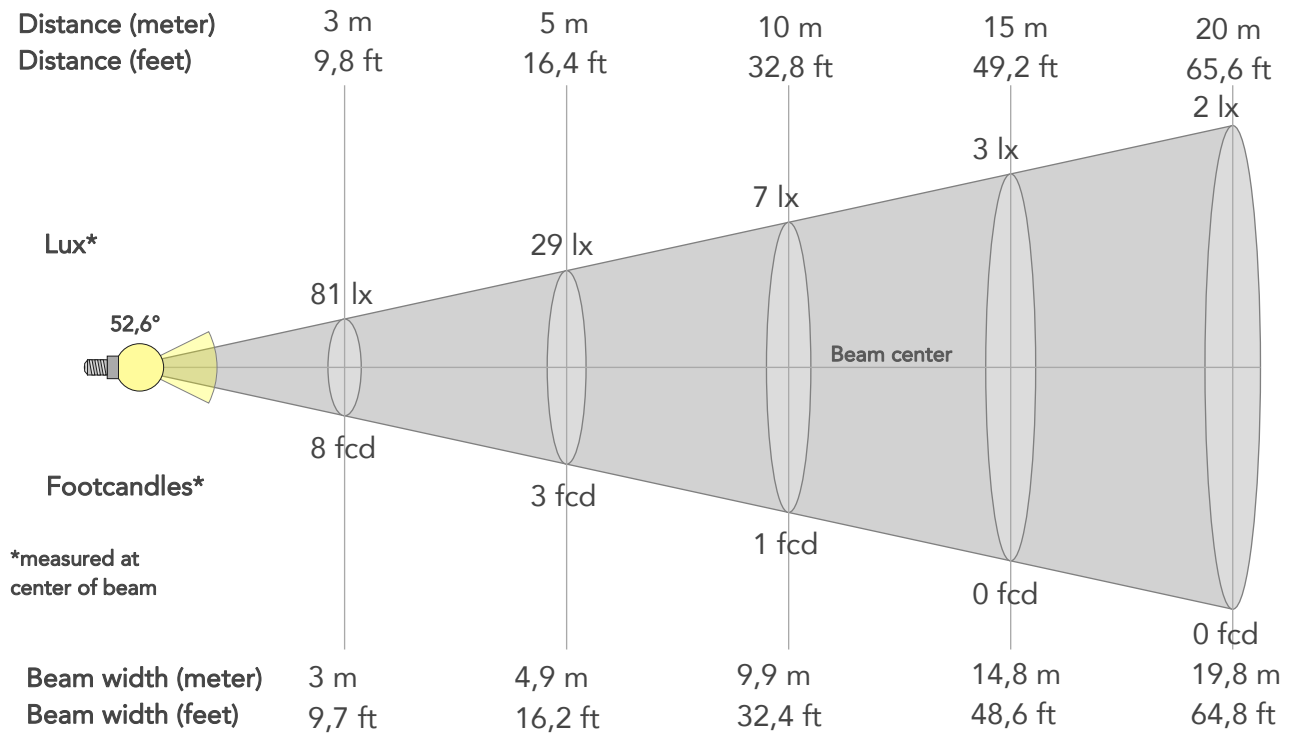
Spectra



## BEAM DETAILS



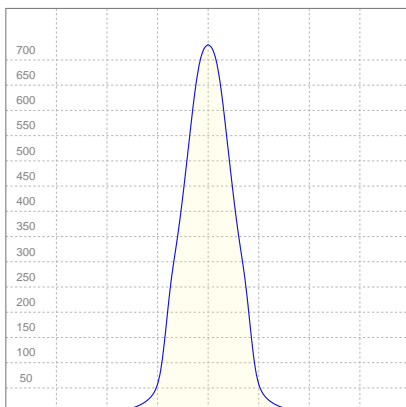
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52,6°	86,9°	117,8°	96,9%	90,6%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	729lx	182lx	81lx	46lx	29lx	13lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	68fcd	17fcd	8fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2m	3m	4m	4,9m	7,4m	9,9m	14,8m	19,8m	24,7m	29,6m	39,5m	49,4m
Beam wid.	3,3ft	6,5ft	9,7ft	12,9ft	16,2ft	24,3ft	32,4ft	48,6ft	64,8ft	81ft	97,2ft	129,6ft	162,1ft

### LINEAR DISTRIBUTION DIAGRAM

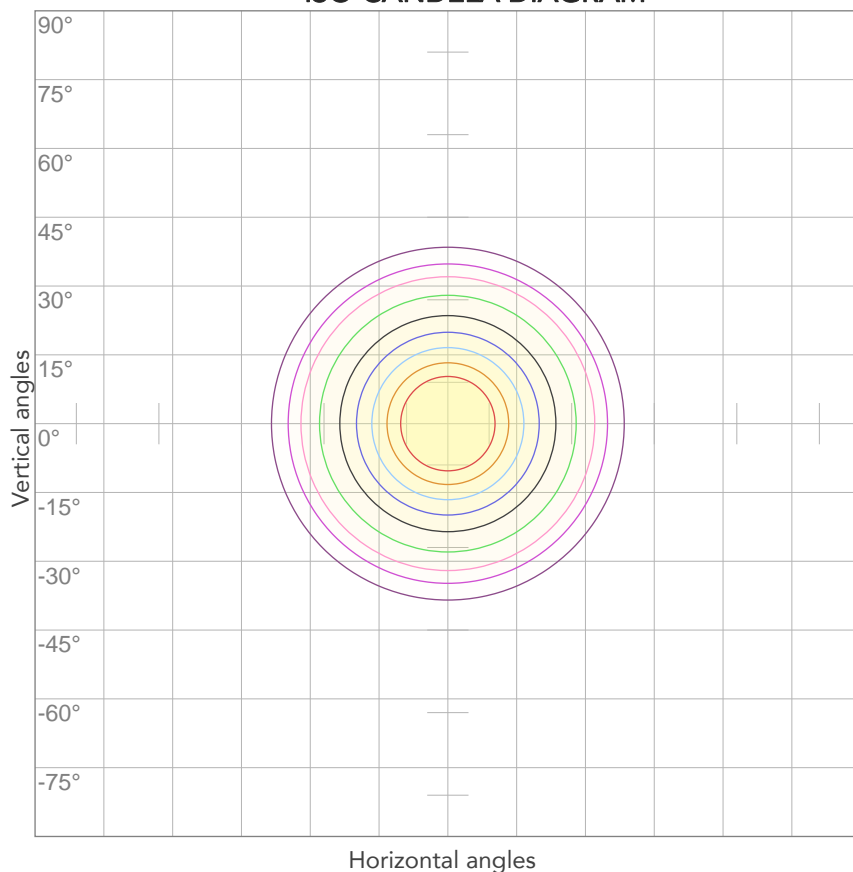


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,110A	23,0W	27lm/W

Power FC
0,93

## ISO CANDELA DIAGRAM



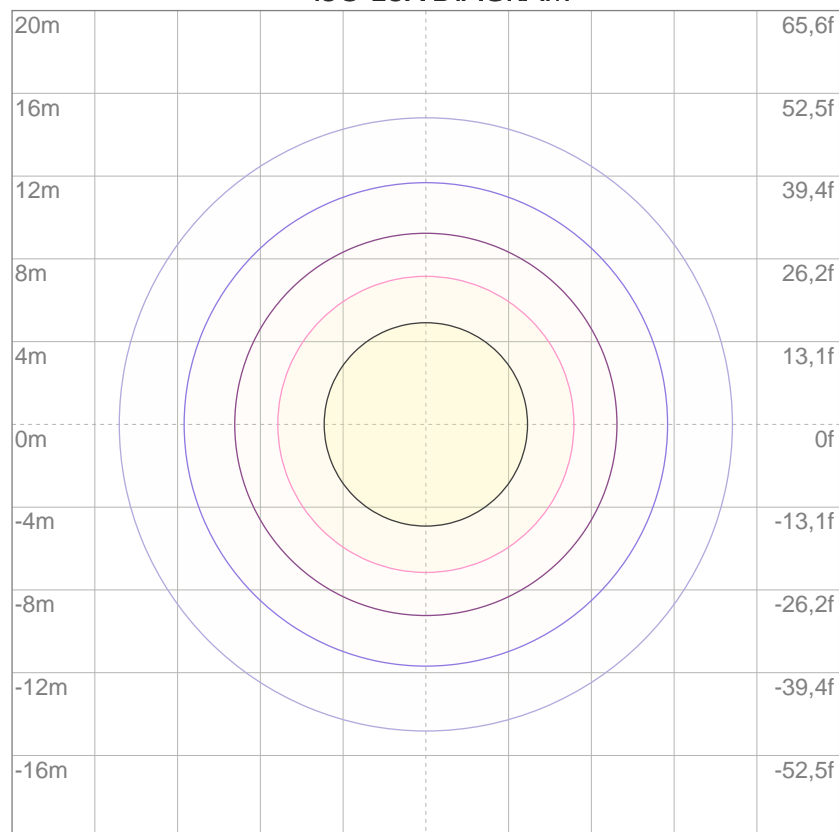
10%	73 cd
20%	146 cd
30%	219 cd
40%	292 cd
50%	365 cd
60%	437 cd
70%	510 cd
80%	583 cd

### Conditions:

Number of c-planes: 2

Candela at center: 729 cd

## ISO LUX DIAGRAM



3%	0,219 lx
5%	0,365 lx
10%	0,729 lx
30%	2,19 lx
50%	3,65 lx

### Conditions:

Number of c-planes: 2

Lux at center: 7,29 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*



Total lumen output:

567 lm

Peak candela output:

3282 cd

**PRODUCT NAME:**

DISPLAYCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Narrow

Target:

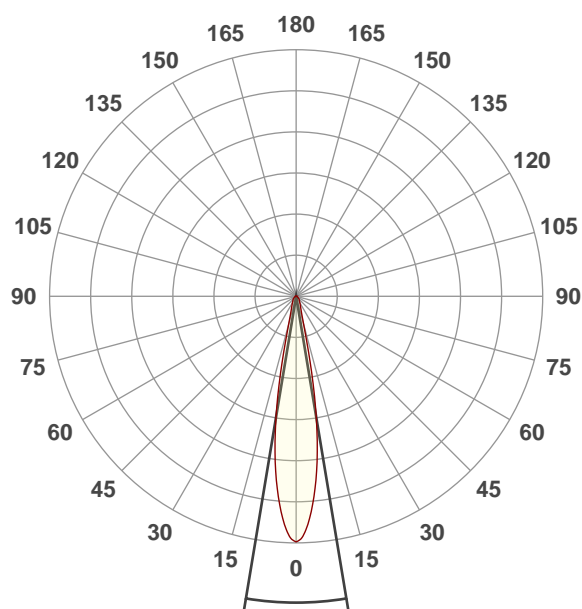
Red

Operator:

Paolo Carvone

Date and time:

13/08/2020 15:41:24

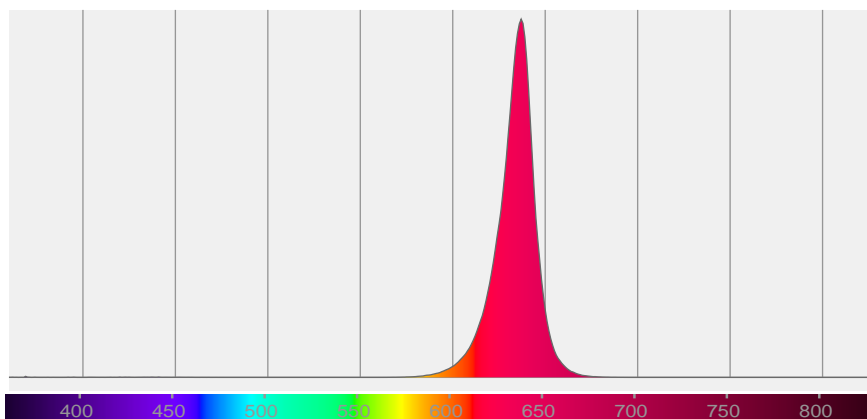


Beam angle 50%: 18,9°

Field angle 10%: 31,7°

Cut off angle 2.5%: 67,9°

**Spectra**

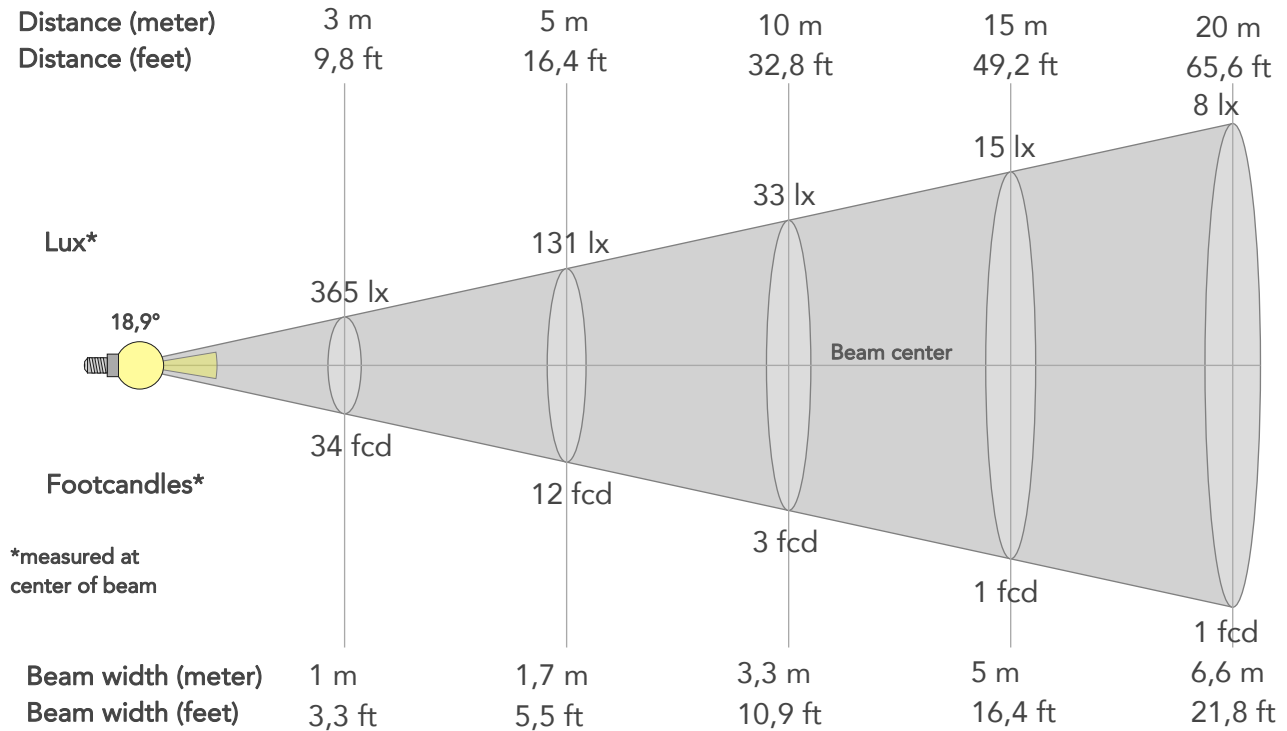




## BEAM DETAILS



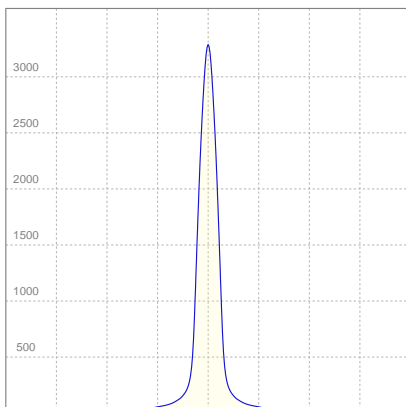
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,9°	31,7°	67,9°	95,6%	86,5%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3282lx	820lx	365lx	205lx	131lx	58lx	33lx	15lx	8lx	5lx	4lx	2lx	1lx
Footcand.	305fcd	76fcd	34fcd	19fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,6m	8,3m	10m	13,3m	16,6m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,5ft	8,2ft	10,9ft	16,4ft	21,8ft	27,3ft	32,7ft	43,6ft	54,5ft

### LINEAR DISTRIBUTION DIAGRAM

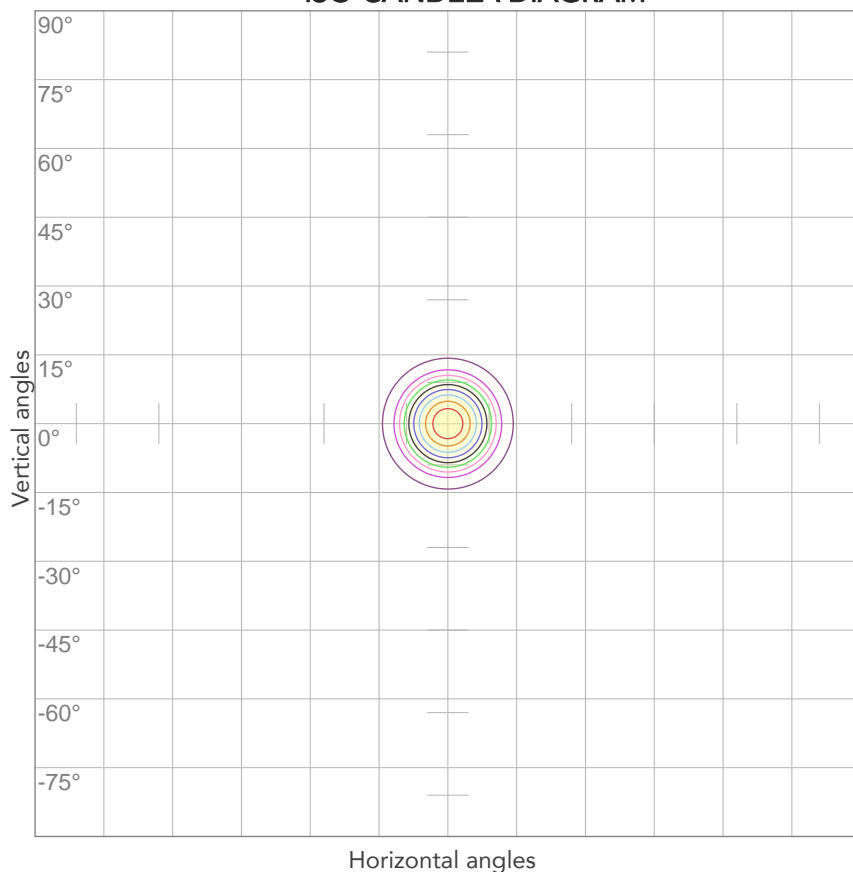


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,109A	22,8W	25lm/W

Power FC
0,93

## ISO CANDELA DIAGRAM



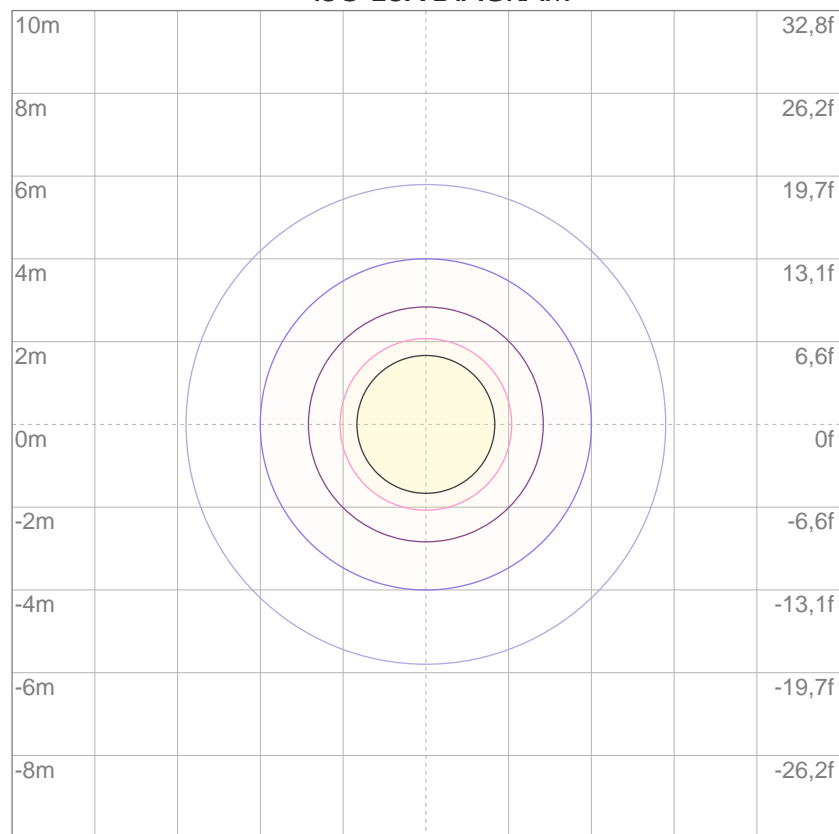
10%	328 cd
20%	656 cd
30%	984 cd
40%	1313 cd
50%	1641 cd
60%	1969 cd
70%	2297 cd
80%	2625 cd

### Conditions:

Number of c-planes: 2

Candela at center: 3282 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,984 lx
5%	1,64 lx
10%	3,28 lx
30%	9,84 lx
50%	16,4 lx

### Conditions:

Number of c-planes: 2

Lux at center: 32,8 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*



Total lumen output:

538 lm

Peak candela output:

1751 cd

**PRODUCT NAME:**

DISPLAYCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Medium

Target:

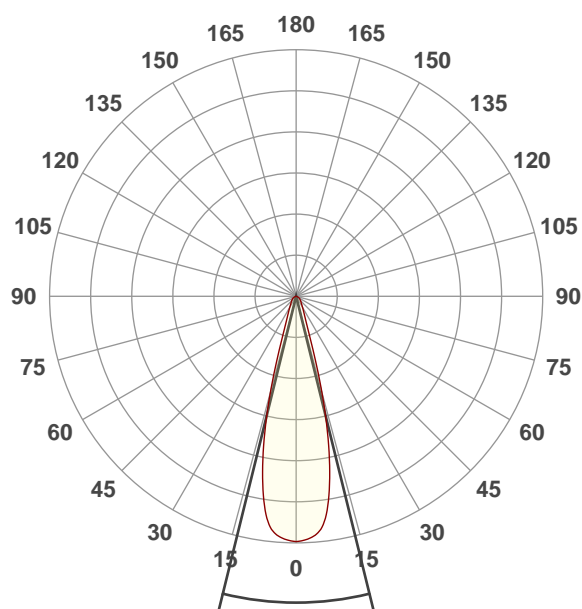
Red

Operator:

Paolo Carvone

Date and time:

13/08/2020 15:56:54

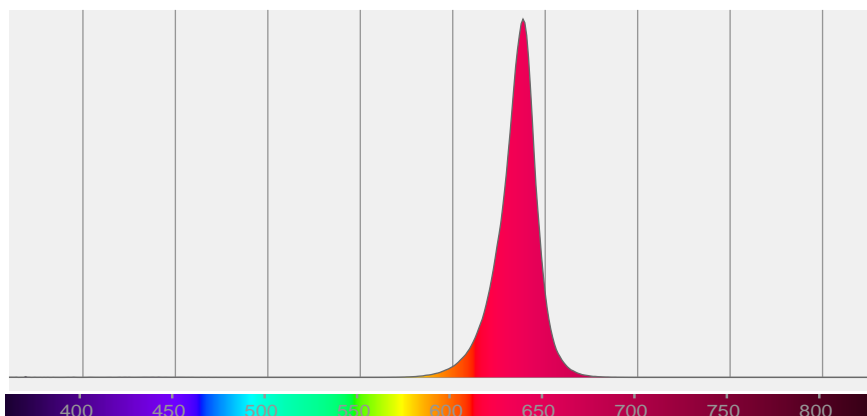


Beam angle 50%: 27,7°

Field angle 10%: 44,6°

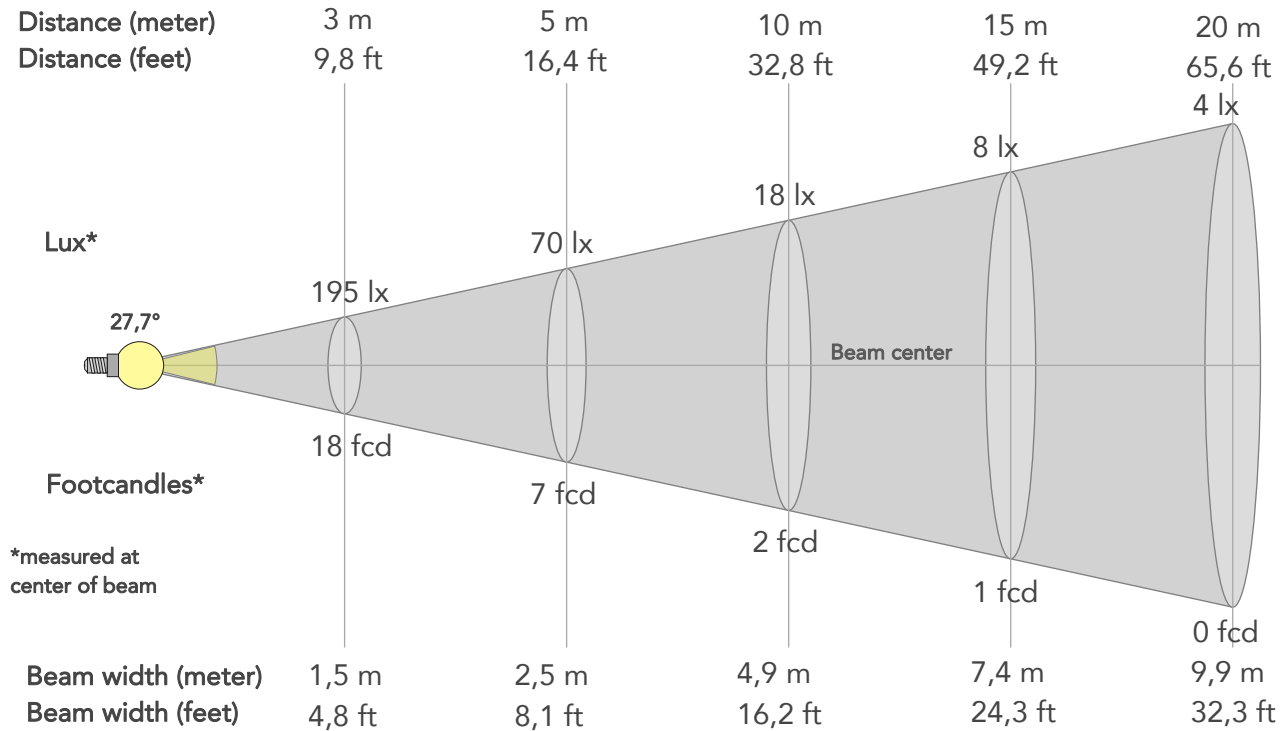
Cut off angle 2.5%: 91,1°

**Spectra**



## BEAM DETAILS

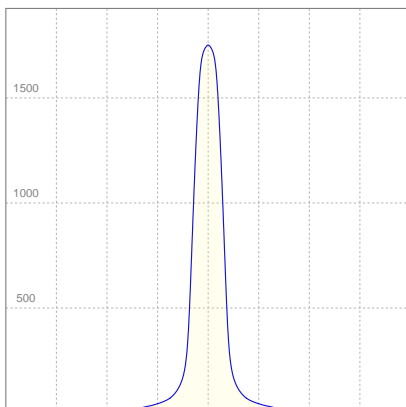
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,7°	44,6°	91,1°	95,5%	87,3%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1751lx	438lx	195lx	109lx	70lx	31lx	18lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	163fcd	41fcd	18fcd	10fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2m	2,5m	3,7m	4,9m	7,4m	9,9m	12,3m	14,8m	19,7m	24,7m
Beam wid.	1,6ft	3,3ft	4,8ft	6,5ft	8,1ft	12,1ft	16,2ft	24,3ft	32,3ft	40,4ft	48,5ft	64,7ft	80,9ft

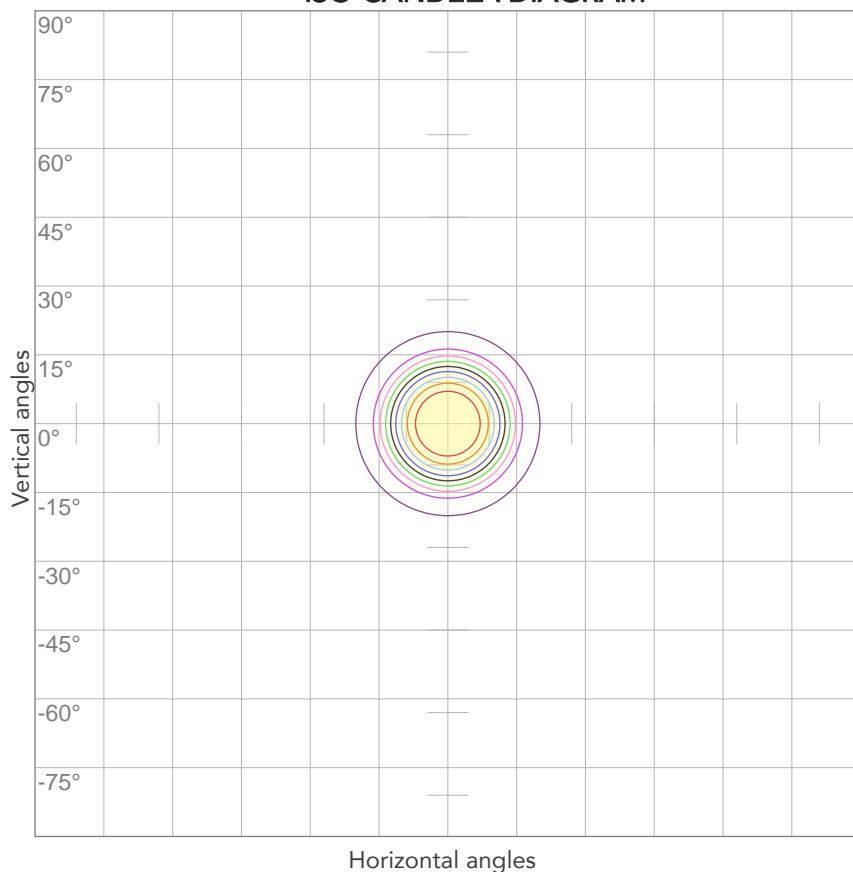
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Efficiency
226V	0,108A	22,6W	24lm/W
Power FC			
0,93			

## ISO CANDELA DIAGRAM



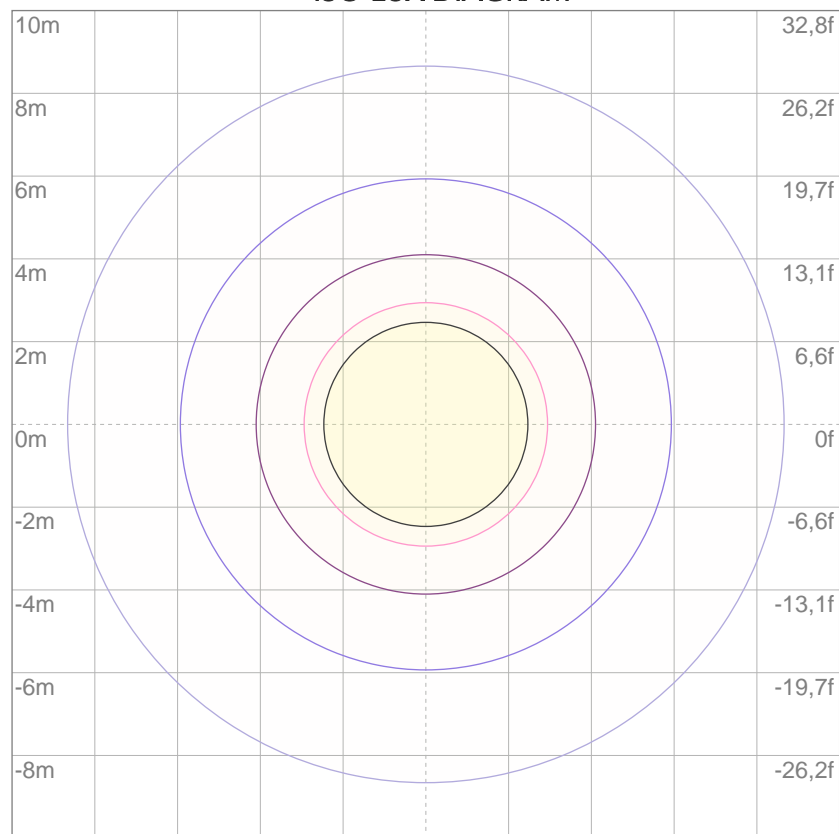
10%	175 cd
20%	350 cd
30%	525 cd
40%	700 cd
50%	875 cd
60%	1050 cd
70%	1225 cd
80%	1400 cd

### Conditions:

Number of c-planes: 2

Candela at center: 1751 cd

## ISO LUX DIAGRAM



3%	0,525 lx
5%	0,875 lx
10%	1,75 lx
30%	5,25 lx
50%	8,75 lx

### Conditions:

Number of c-planes: 2

Lux at center: 17,5 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*



Total lumen output:

1120 lm

Peak candela output:

1300 cd

**PRODUCT NAME:**

DISPLAYCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Native optic

Target:

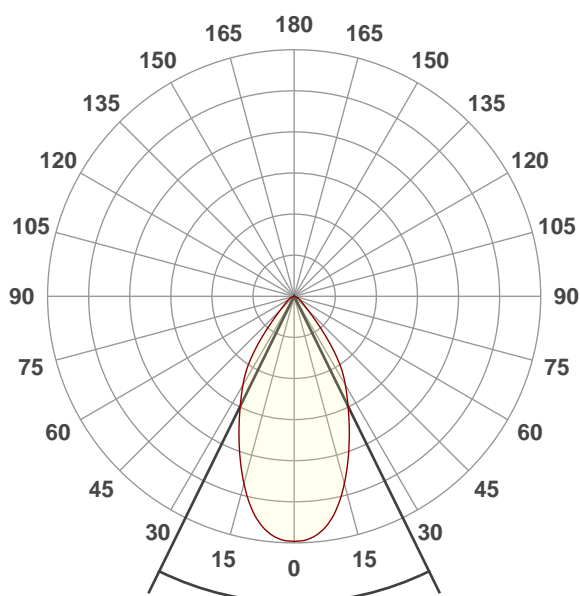
Green

Operator:

Paolo Carvone

Date and time:

13/08/2020 15:28:22

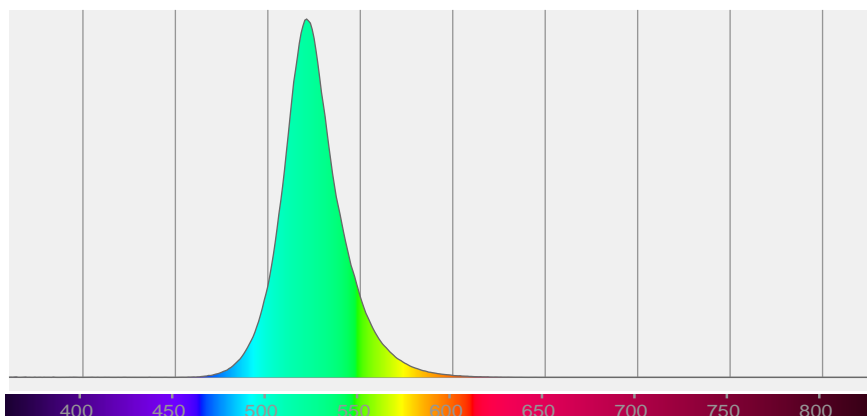


Beam angle 50%: 52,3°

Field angle 10%: 86,6°

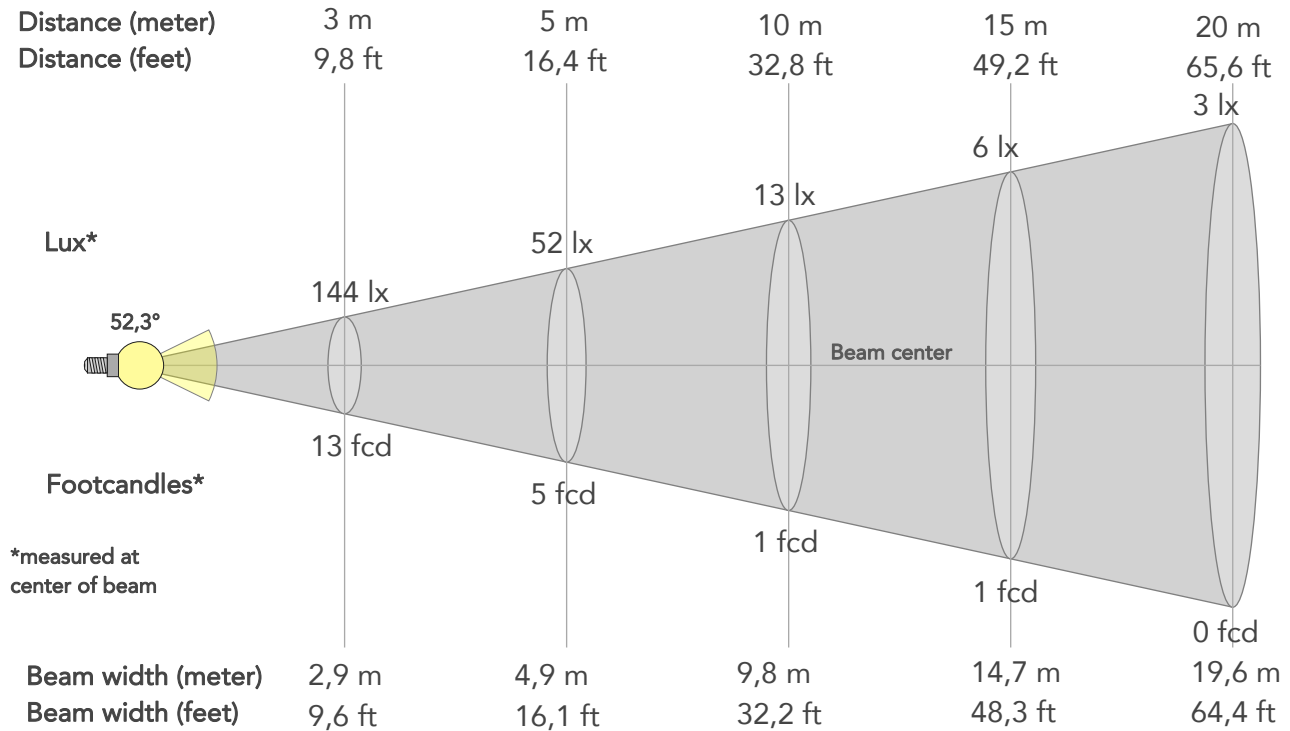
Cut off angle 2.5%: 118,9°

**Spectra**



## BEAM DETAILS

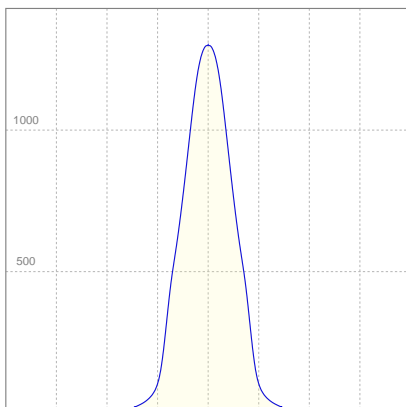
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52,3°	86,6°	118,9°	97,0%	90,5%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1300lx	325lx	144lx	81lx	52lx	23lx	13lx	6lx	3lx	2lx	1lx	1lx	1lx
Footcand.	121fcd	30fcd	13fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2m	2,9m	3,9m	4,9m	7,4m	9,8m	14,7m	19,6m	24,5m	29,4m	39,2m	49,1m
Beam wid.	3,2ft	6,5ft	9,6ft	12,9ft	16,1ft	24,1ft	32,2ft	48,3ft	64,4ft	80,5ft	96,5ft	128,7ft	160,9ft

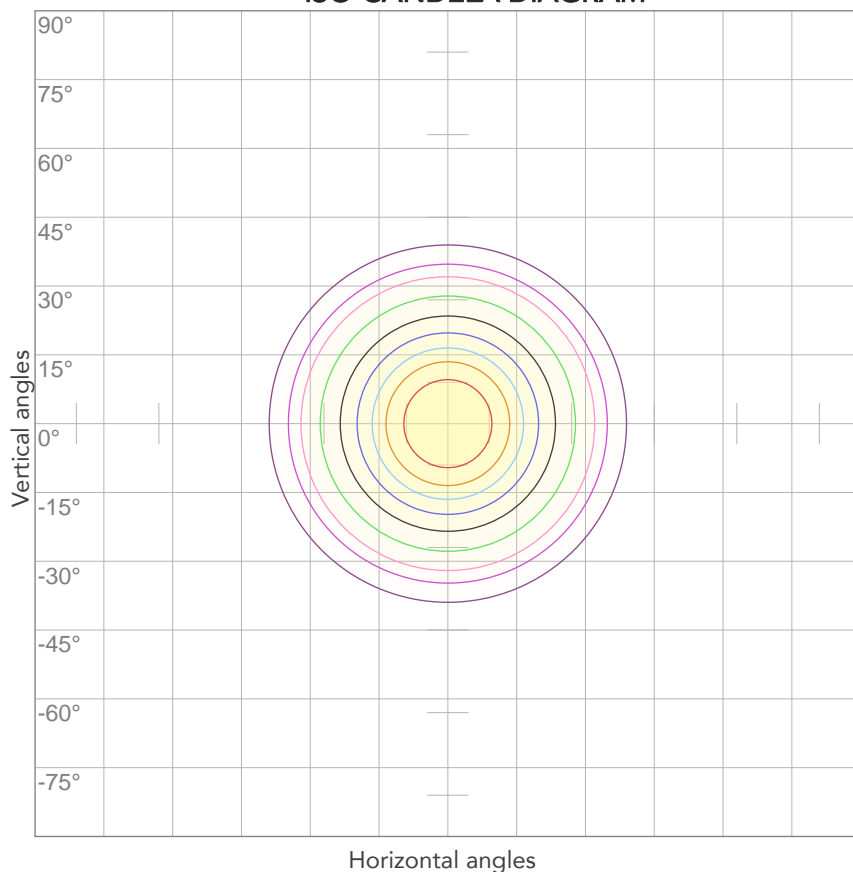
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,126A	26,6W	42lm/W
Power FC			
0,94			

## ISO CANDELA DIAGRAM



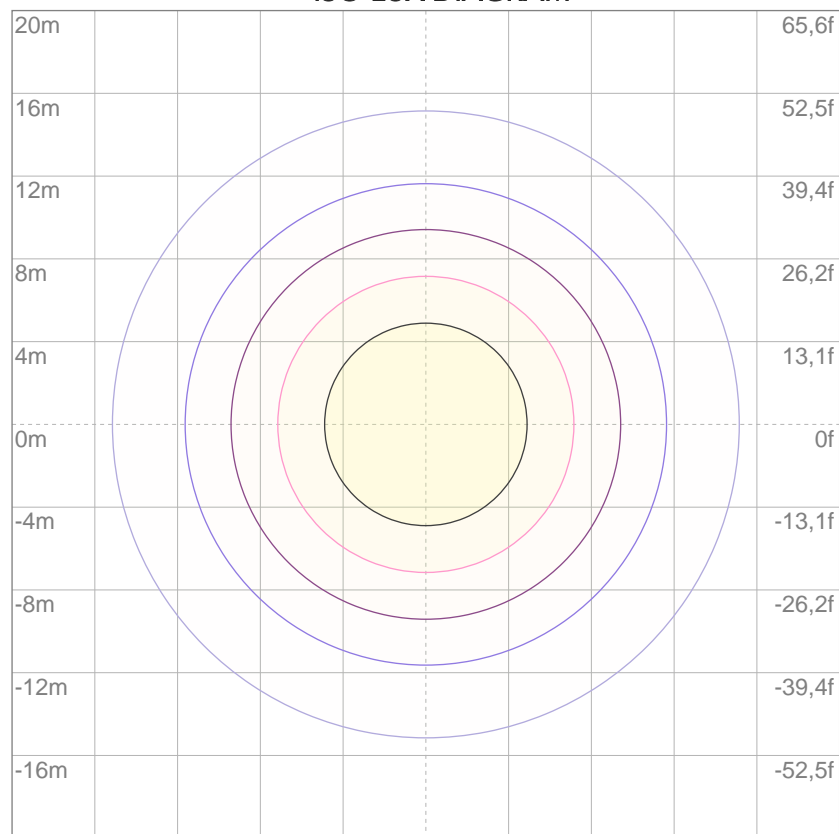
10%	130 cd
20%	260 cd
30%	390 cd
40%	520 cd
50%	650 cd
60%	780 cd
70%	910 cd
80%	1040 cd

### Conditions:

Number of c-planes: 2

Candela at center: 1300 cd

## ISO LUX DIAGRAM



3%	0,390 lx
5%	0,650 lx
10%	1,30 lx
30%	3,90 lx
50%	6,50 lx

### Conditions:

Number of c-planes: 2

Lux at center: 13,0 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*





Total lumen output:

1082 lm

Peak candela output:

6130 cd

**PRODUCT NAME:**

DISPLAYCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Narrow

Target:

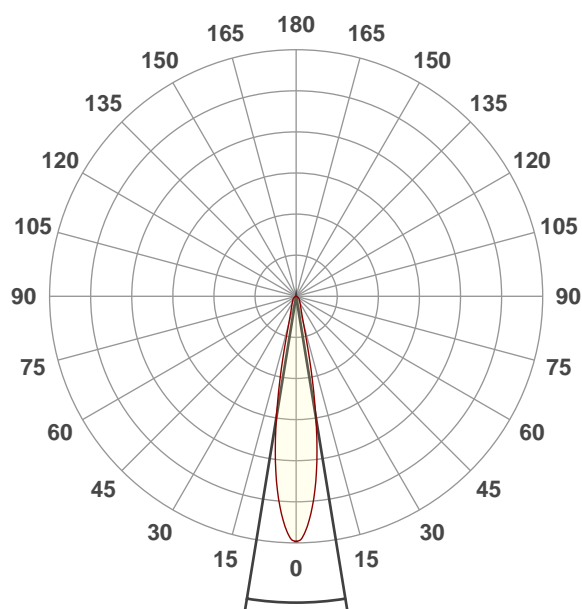
Green

Operator:

Paolo Carvone

Date and time:

13/08/2020 15:44:44

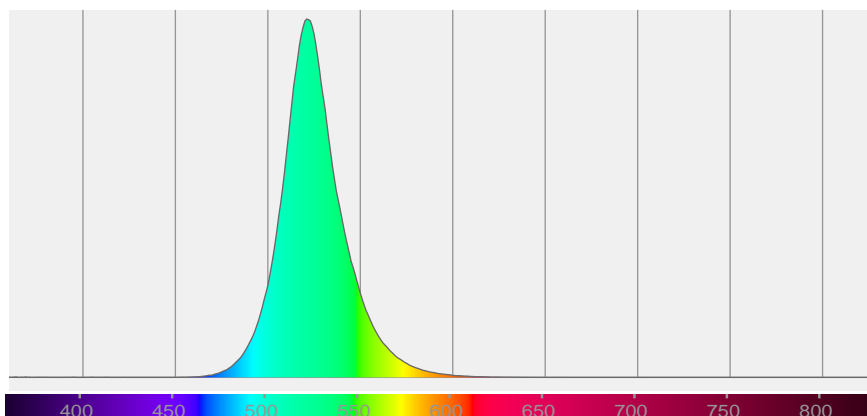


Beam angle 50%: 18,5°

Field angle 10%: 31,9°

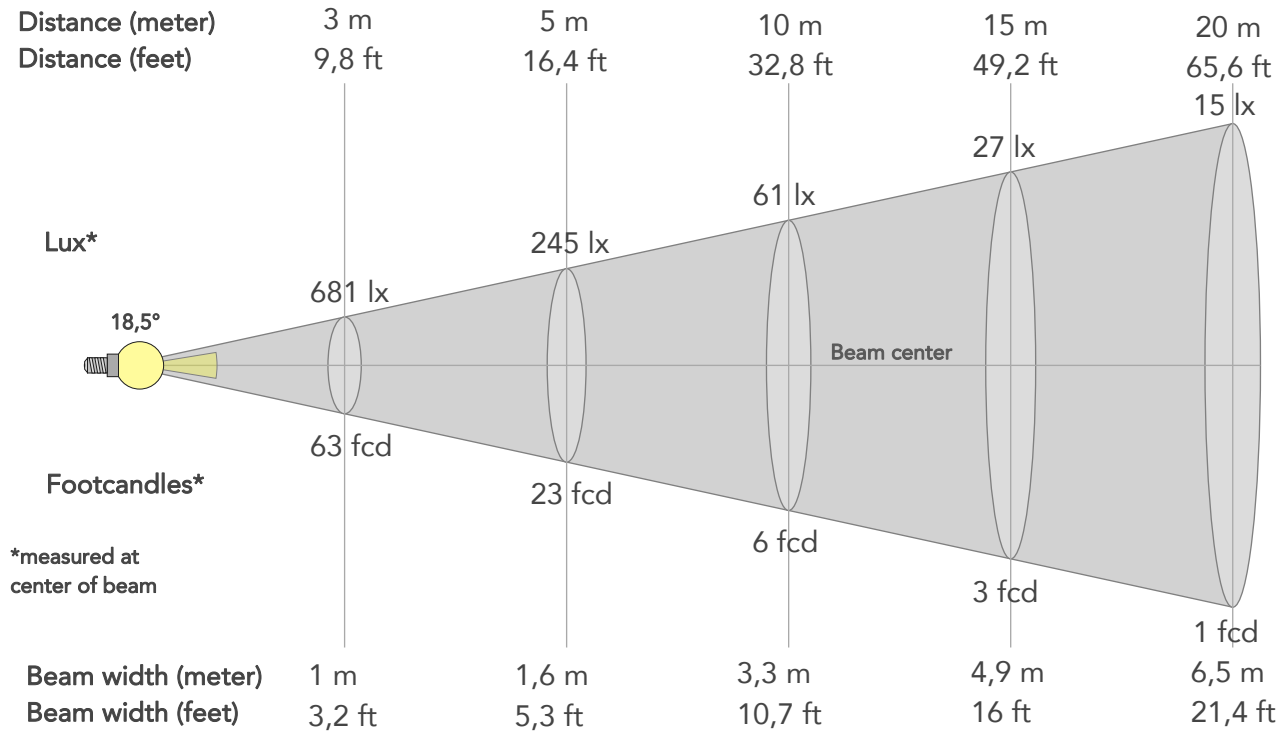
Cut off angle 2.5%: 71,4°

**Spectra**



## BEAM DETAILS

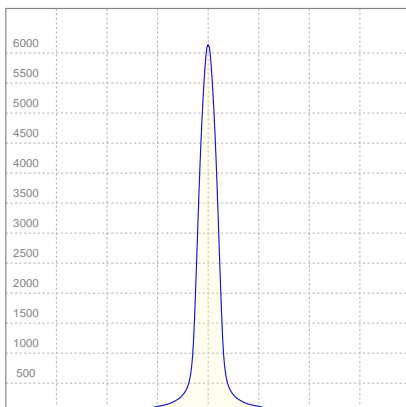
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,5°	31,9°	71,4°	95,1%	85,5%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6130lx	1533lx	681lx	383lx	245lx	109lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	570fcd	142fcd	63fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,4m	3,3m	4,9m	6,5m	8,1m	9,8m	13m	16,3m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,7ft	16ft	21,4ft	26,7ft	32,1ft	42,7ft	53,4ft

### LINEAR DISTRIBUTION DIAGRAM

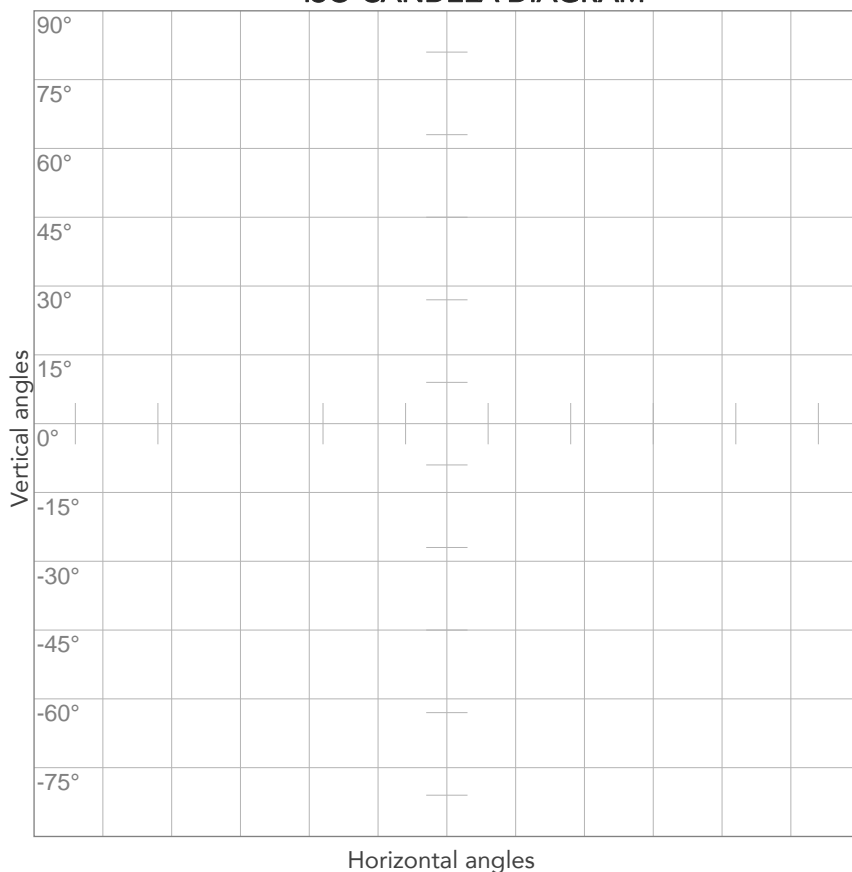


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,237A	25,4W	43lm/W

Power FC
0,47

## ISO CANDELA DIAGRAM



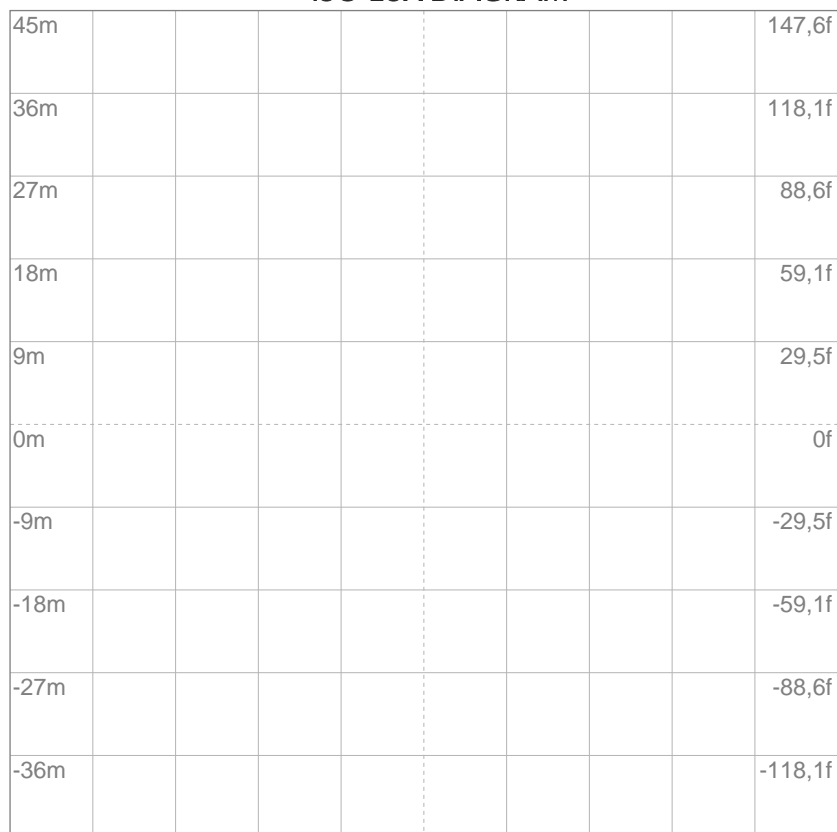
10%	613 cd
20%	1226 cd
30%	1839 cd
40%	2452 cd
50%	3065 cd
60%	3678 cd
70%	4291 cd
80%	4904 cd

### Conditions:

Number of c-planes: 2

Candela at center: 6130 cd

## ISO LUX DIAGRAM



3%	1,84 lx
5%	3,07 lx
10%	6,13 lx
30%	18,4 lx
50%	30,7 lx

### Conditions:

Number of c-planes: 2

Lux at center: 61,3 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*



Total lumen output:

1076 lm

Peak candela output:

3489 cd

**PRODUCT NAME:**

DISPLAYCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Medium

Target:

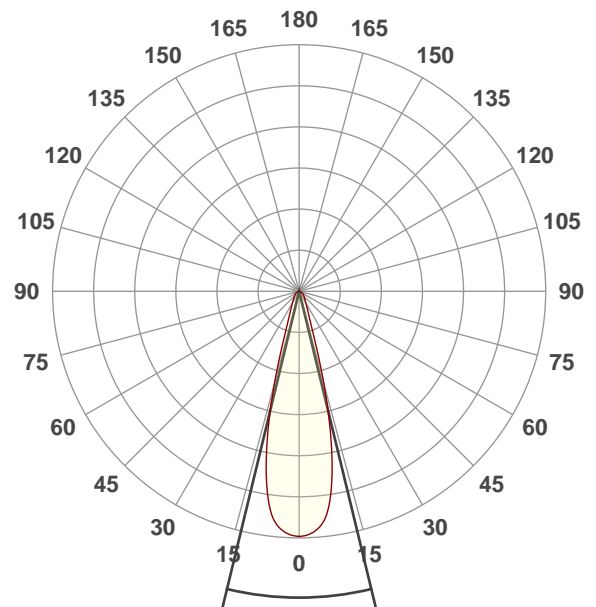
Green

Operator:

Paolo Carvone

Date and time:

13/08/2020 15:58:21

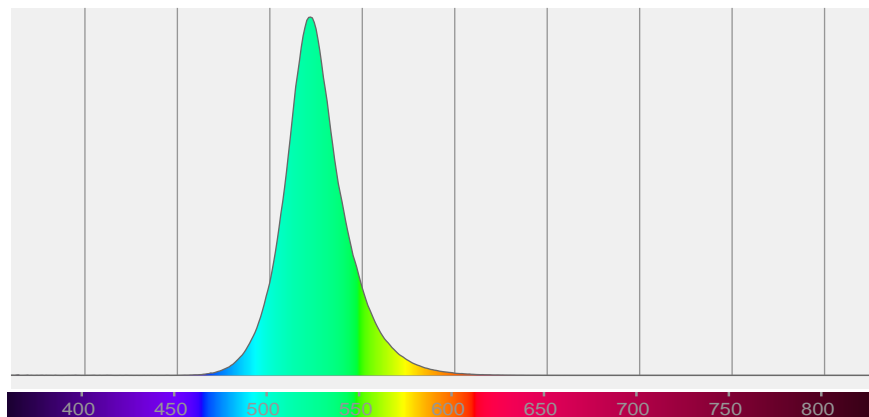


Beam angle 50%: 27,2°

Field angle 10%: 45°

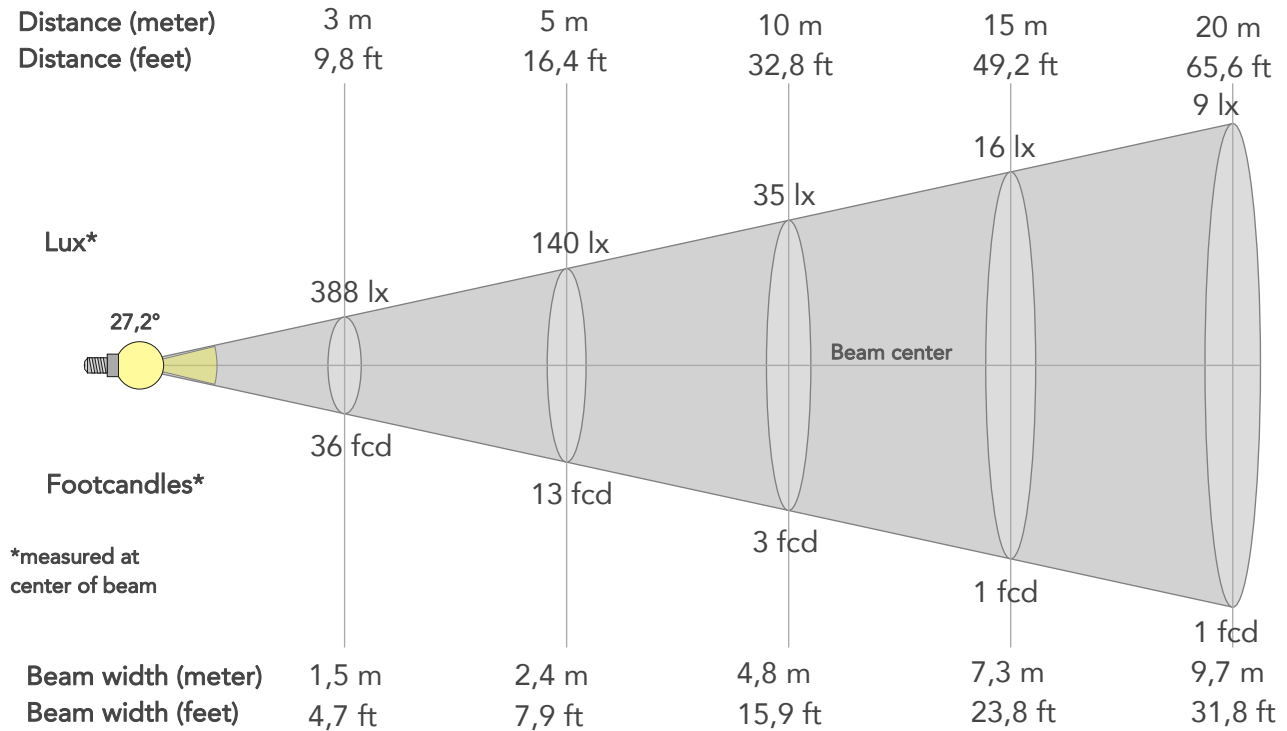
Cut off angle 2.5%: 93,8°

**Spectra**



## BEAM DETAILS

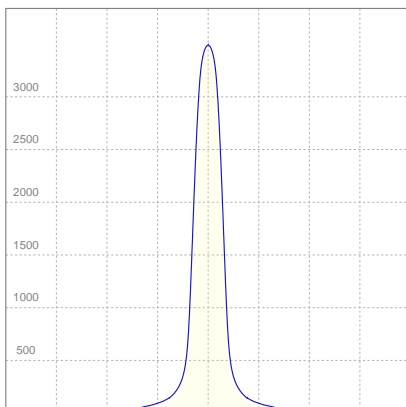
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,2°	45°	93,8°	95,1%	86,6%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3489lx	872lx	388lx	218lx	140lx	62lx	35lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	324fcd	81fcd	36fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	1,9m	2,4m	3,6m	4,8m	7,3m	9,7m	12,1m	14,5m	19,4m	24,2m
Beam wid.	1,6ft	3,2ft	4,7ft	6,3ft	7,9ft	11,9ft	15,9ft	23,8ft	31,8ft	39,7ft	47,7ft	63,6ft	79,5ft

### LINEAR DISTRIBUTION DIAGRAM

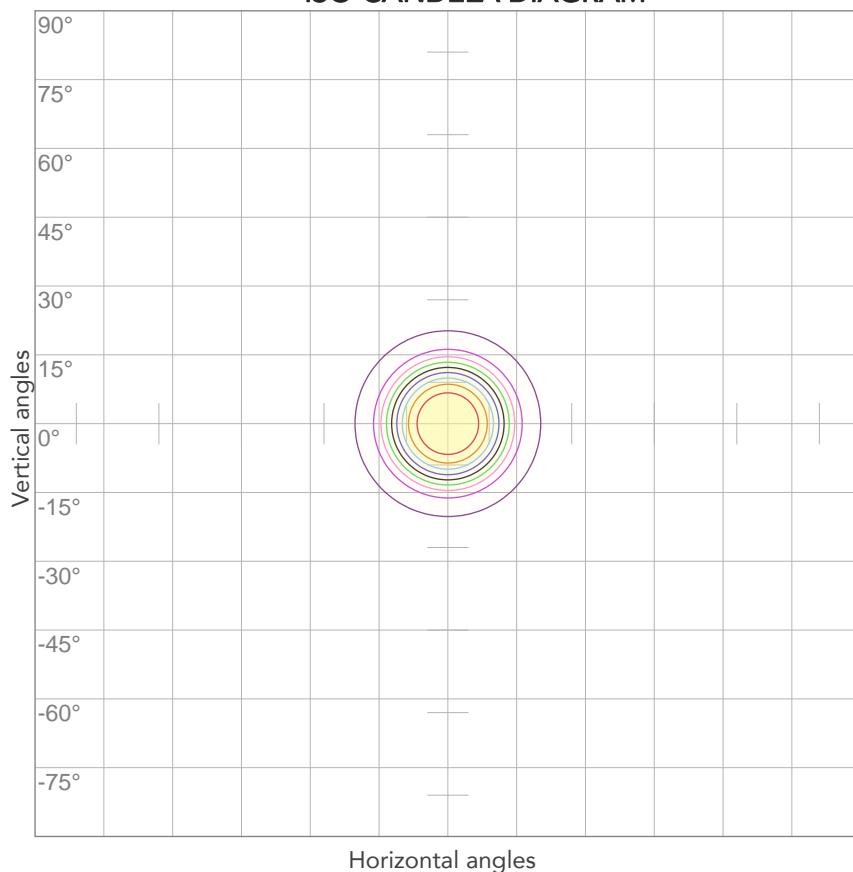


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,235A	25,2W	43lm/W

Power FC
0,47

## ISO CANDELA DIAGRAM



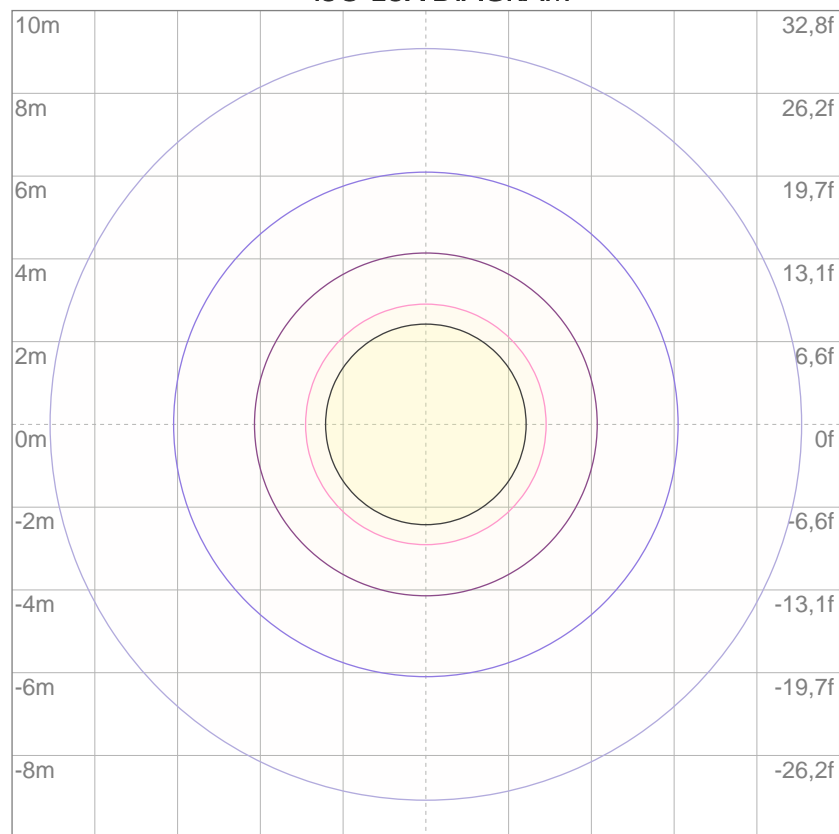
10%	349 cd
20%	698 cd
30%	1047 cd
40%	1396 cd
50%	1744 cd
60%	2093 cd
70%	2442 cd
80%	2791 cd

### Conditions:

Number of c-planes: 2

Candela at center: 3489 cd

## ISO LUX DIAGRAM



3%	1,05 lx
5%	1,74 lx
10%	3,49 lx
30%	10,5 lx
50%	17,4 lx

### Conditions:

Number of c-planes: 2

Lux at center: 34,9 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*



Total lumen output:

225 lm

Peak candela output:

262 cd

**PRODUCT NAME:**

DISPLAYCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Native optic

Target:

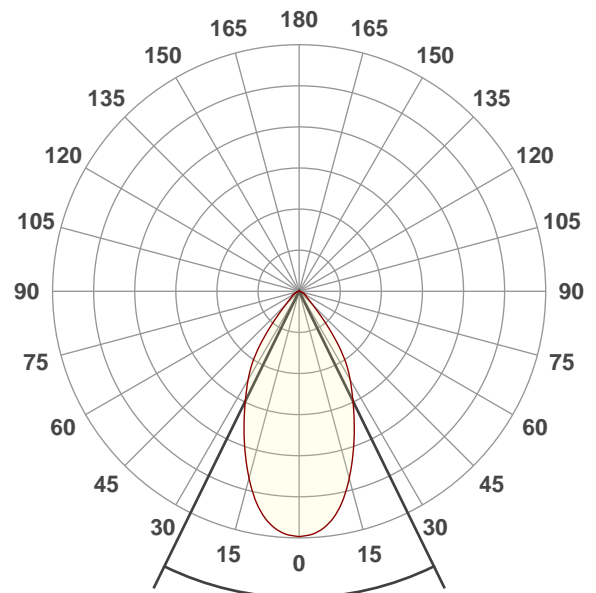
Blue

Operator:

Paolo Carvone

Date and time:

13/08/2020 15:30:14

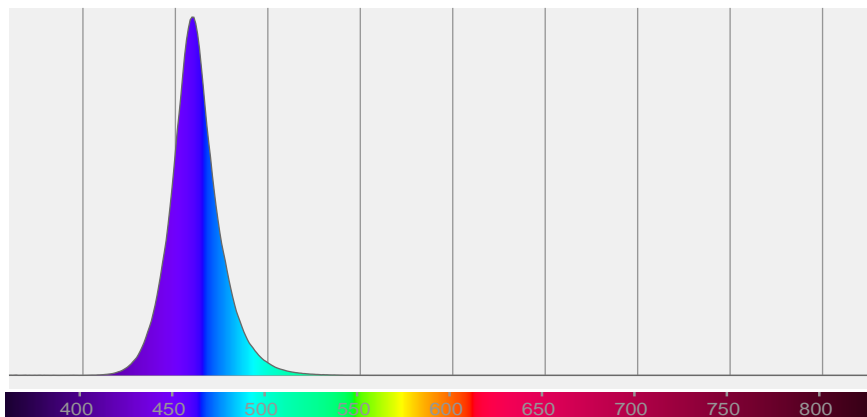


Beam angle 50%: 52,2°

Field angle 10%: 86,9°

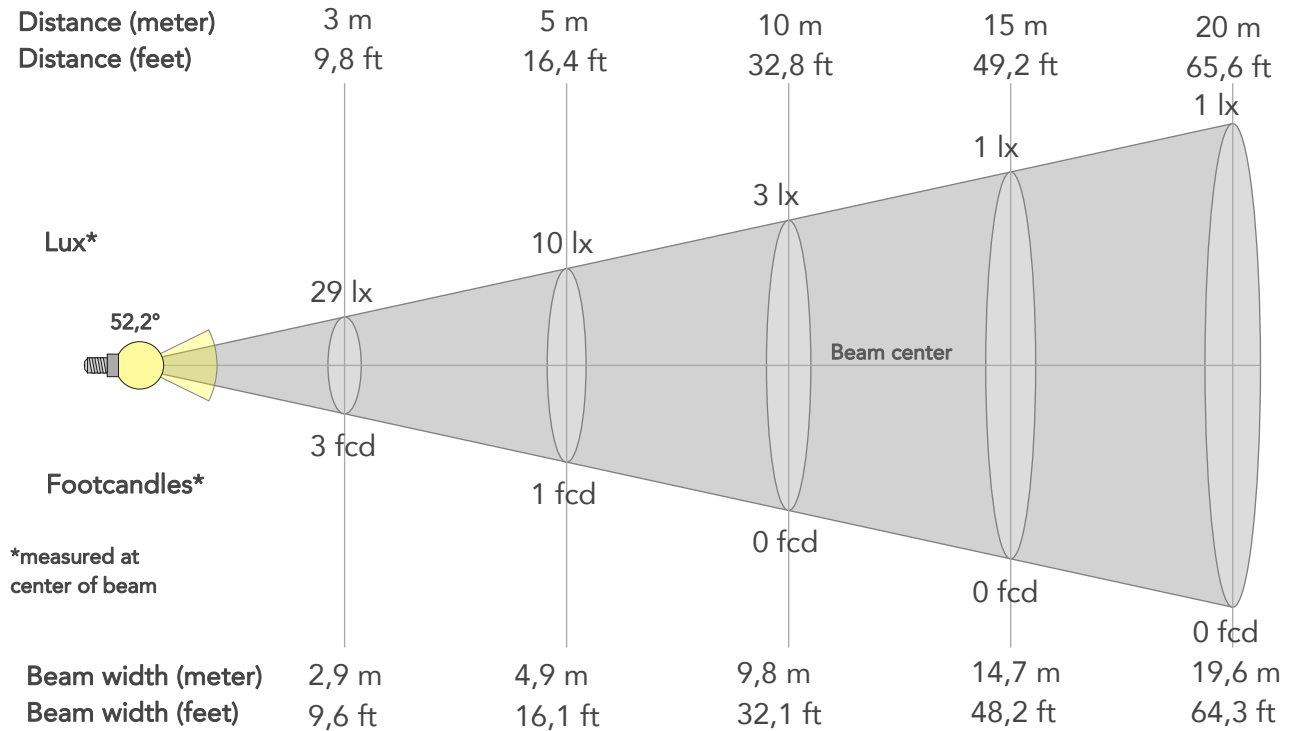
Cut off angle 2.5%: 118,5°

**Spectra**



## BEAM DETAILS

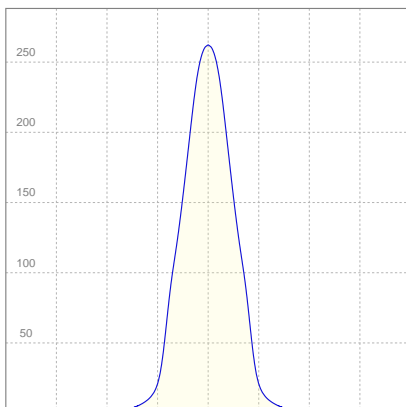
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52,2°	86,9°	118,5°	96,9%	90,5%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	262lx	66lx	29lx	16lx	10lx	5lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	24fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2m	2,9m	3,9m	4,9m	7,4m	9,8m	14,7m	19,6m	24,5m	29,4m	39,2m	49m
Beam wid.	3,2ft	6,5ft	9,6ft	12,8ft	16,1ft	24,1ft	32,1ft	48,2ft	64,3ft	80,4ft	96,4ft	128,6ft	160,7ft

### LINEAR DISTRIBUTION DIAGRAM



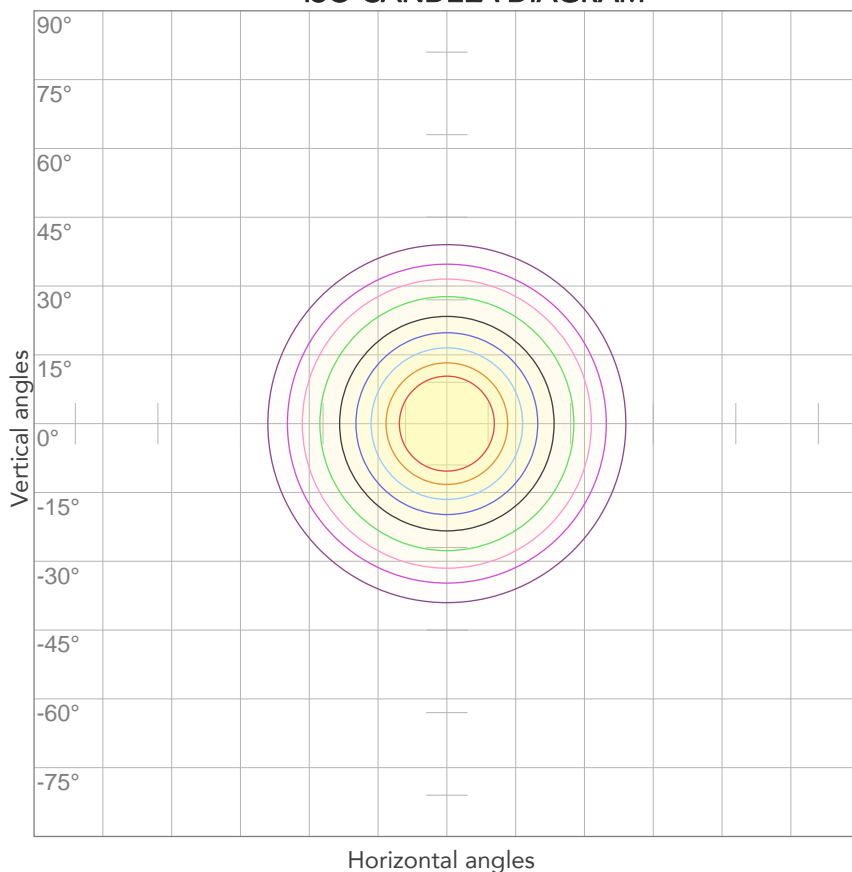
### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,231A	25,2W	9lm/W

Power FC
0,48



## ISO CANDELA DIAGRAM



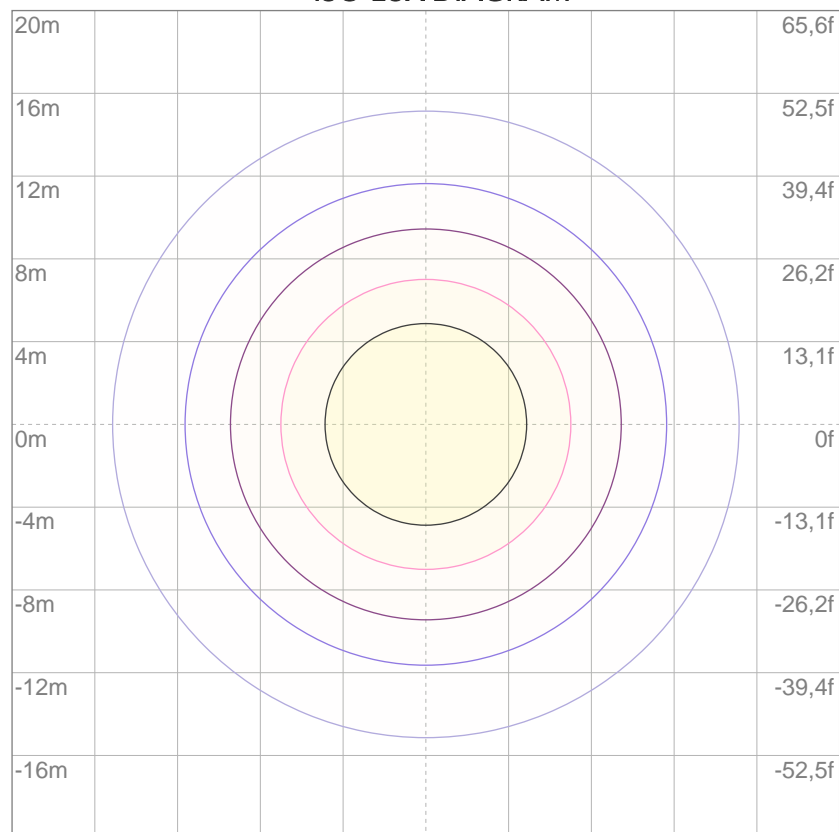
10%	26 cd
20%	52 cd
30%	79 cd
40%	105 cd
50%	131 cd
60%	157 cd
70%	183 cd
80%	210 cd

### Conditions:

Number of c-planes: 2

Candela at center: 262 cd

## ISO LUX DIAGRAM



3%	78,6m lx
5%	0,131 lx
10%	0,262 lx
30%	0,786 lx
50%	1,31 lx

### Conditions:

Number of c-planes: 2

Lux at center: 2,62 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*



Total lumen output:

213 lm

Peak candela output:

1268 cd

**PRODUCT NAME:**

DISPLAYCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Narrow

Target:

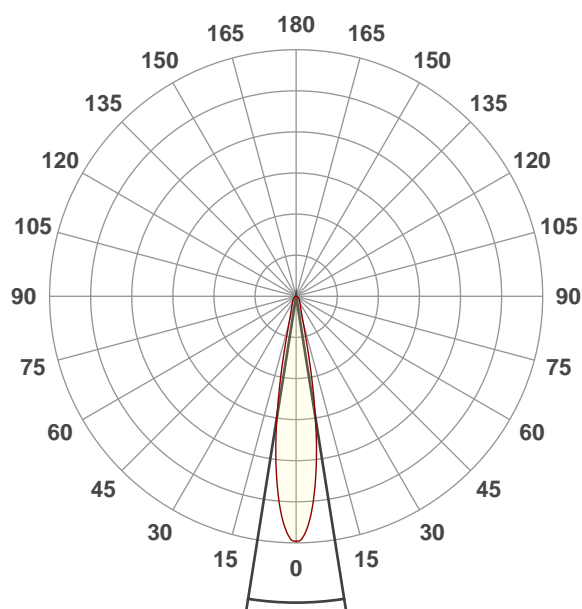
Blue

Operator:

Paolo Carvone

Date and time:

13/08/2020 15:46:12

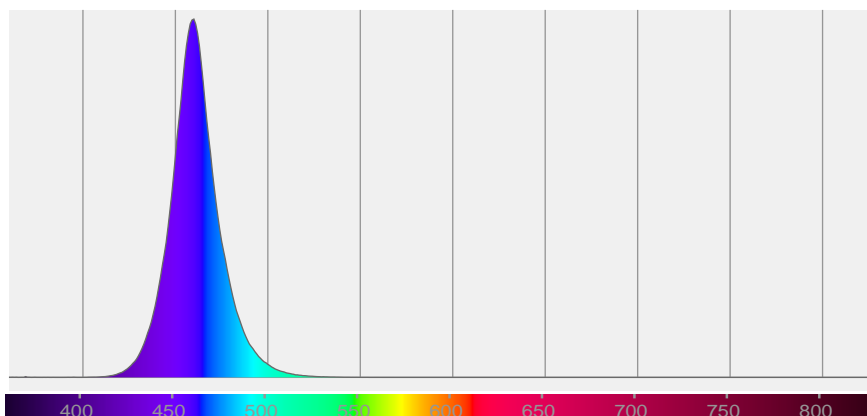


Beam angle 50%: 18°

Field angle 10%: 31,1°

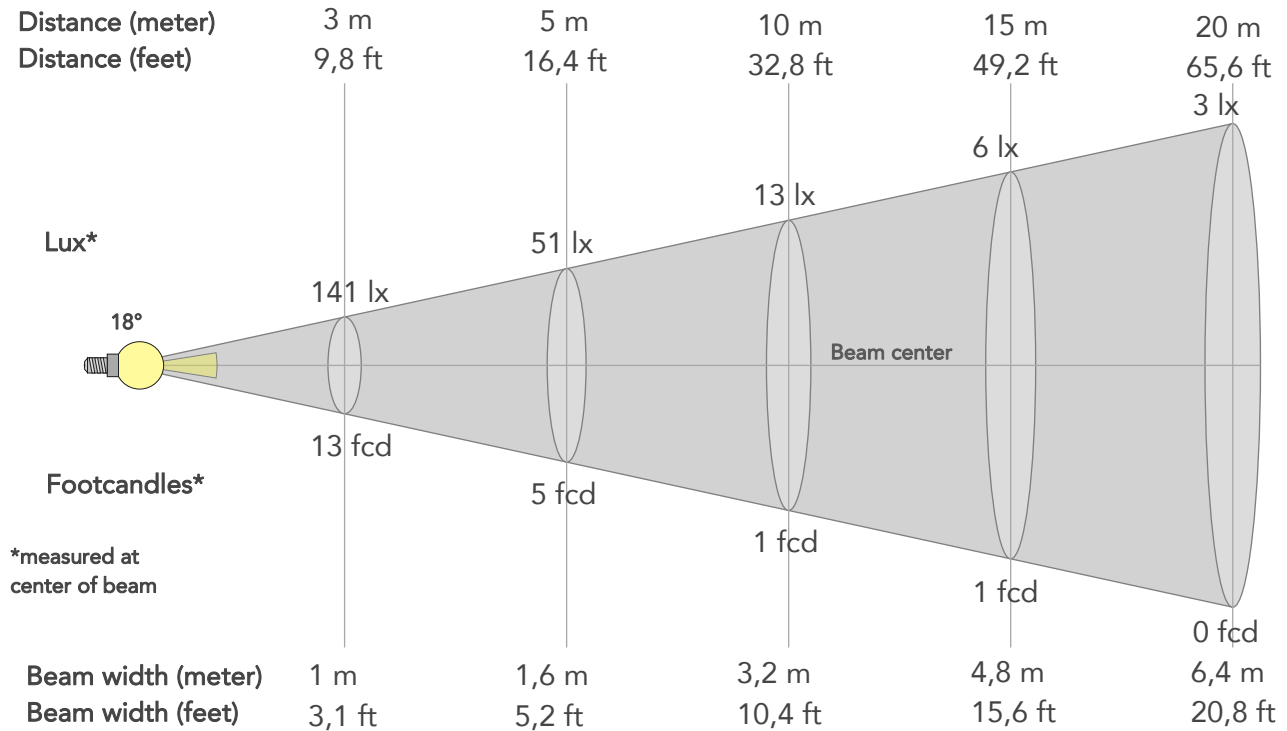
Cut off angle 2.5%: 67,9°

**Spectra**



## BEAM DETAILS

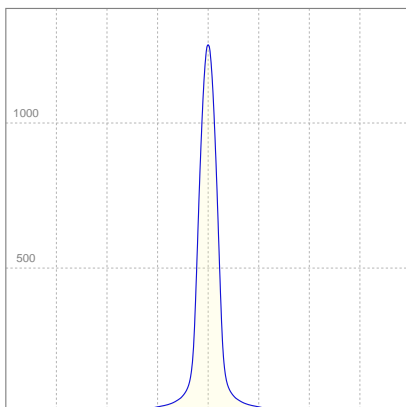
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18°	31,1°	67,9°	95,4%	86,1%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1268lx	317lx	141lx	79lx	51lx	23lx	13lx	6lx	3lx	2lx	1lx	1lx	1lx
Footcand.	118fcd	29fcd	13fcd	7fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,8m	6,4m	7,9m	9,5m	12,7m	15,9m
Beam wid.	1ft	2,1ft	3,1ft	4,2ft	5,2ft	7,8ft	10,4ft	15,6ft	20,8ft	26ft	31,2ft	41,7ft	52,1ft

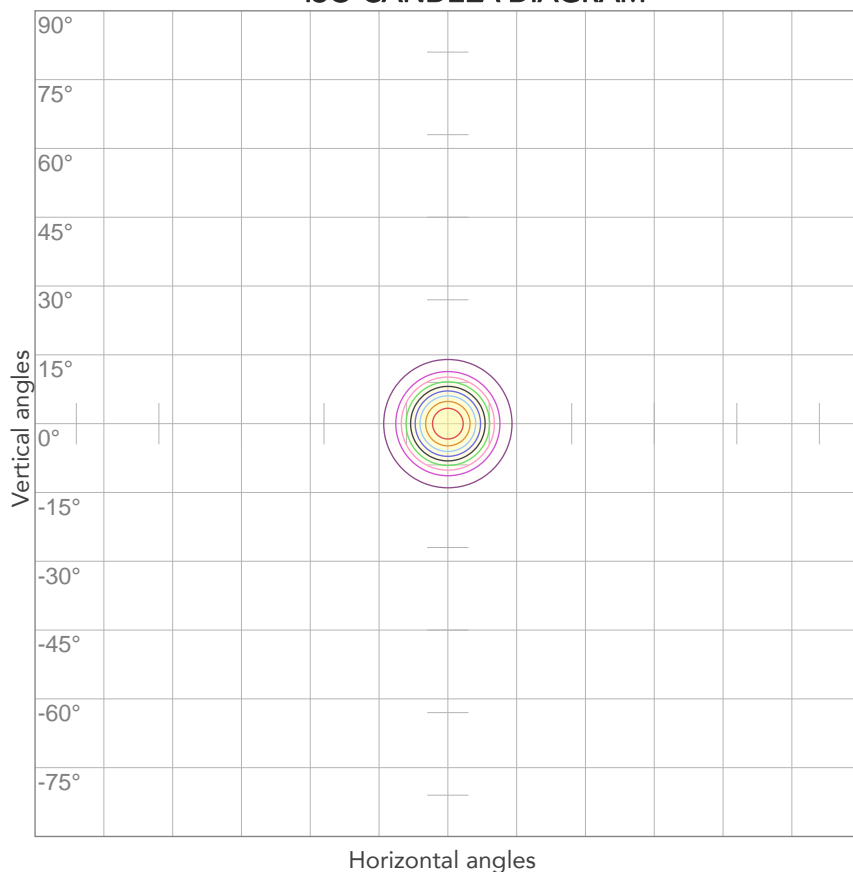
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,239A	25,1W	8lm/W
Power FC			
0,47			

## ISO CANDELA DIAGRAM



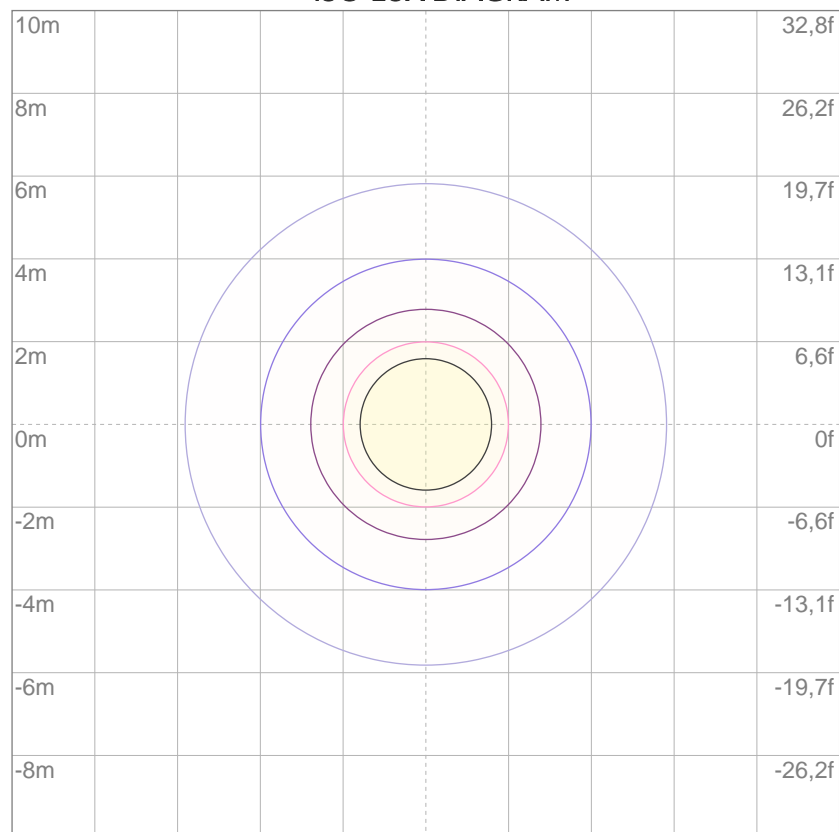
10%	127 cd
20%	254 cd
30%	380 cd
40%	507 cd
50%	634 cd
60%	761 cd
70%	888 cd
80%	1014 cd

### Conditions:

Number of c-planes: 2

Candela at center: 1268 cd

## ISO LUX DIAGRAM



3%	0,380 lx
5%	0,634 lx
10%	1,27 lx
30%	3,80 lx
50%	6,34 lx

### Conditions:

Number of c-planes: 2

Lux at center: 12,7 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*



Total lumen output:

218 lm

Peak candela output:

725 cd

**PRODUCT NAME:**

DISPLAYCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Medium

Target:

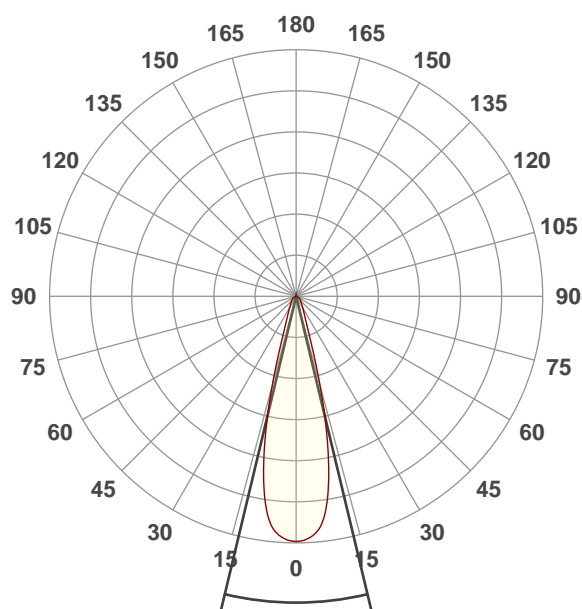
Blue

Operator:

Paolo Carvone

Date and time:

13/08/2020 15:59:50

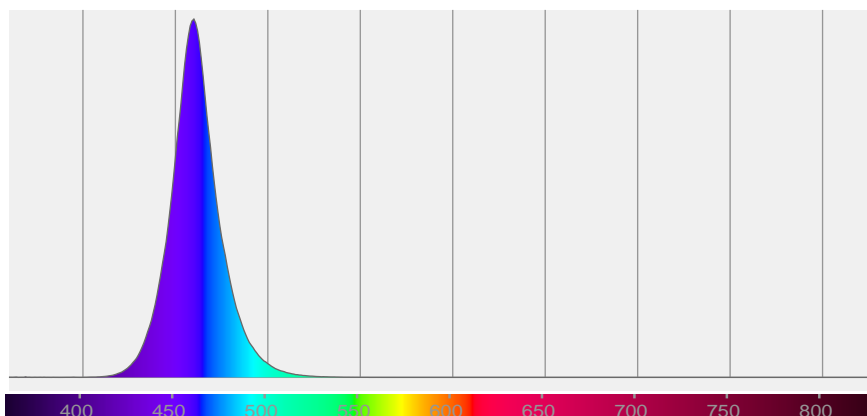


Beam angle 50%: 26,9°

Field angle 10%: 44,6°

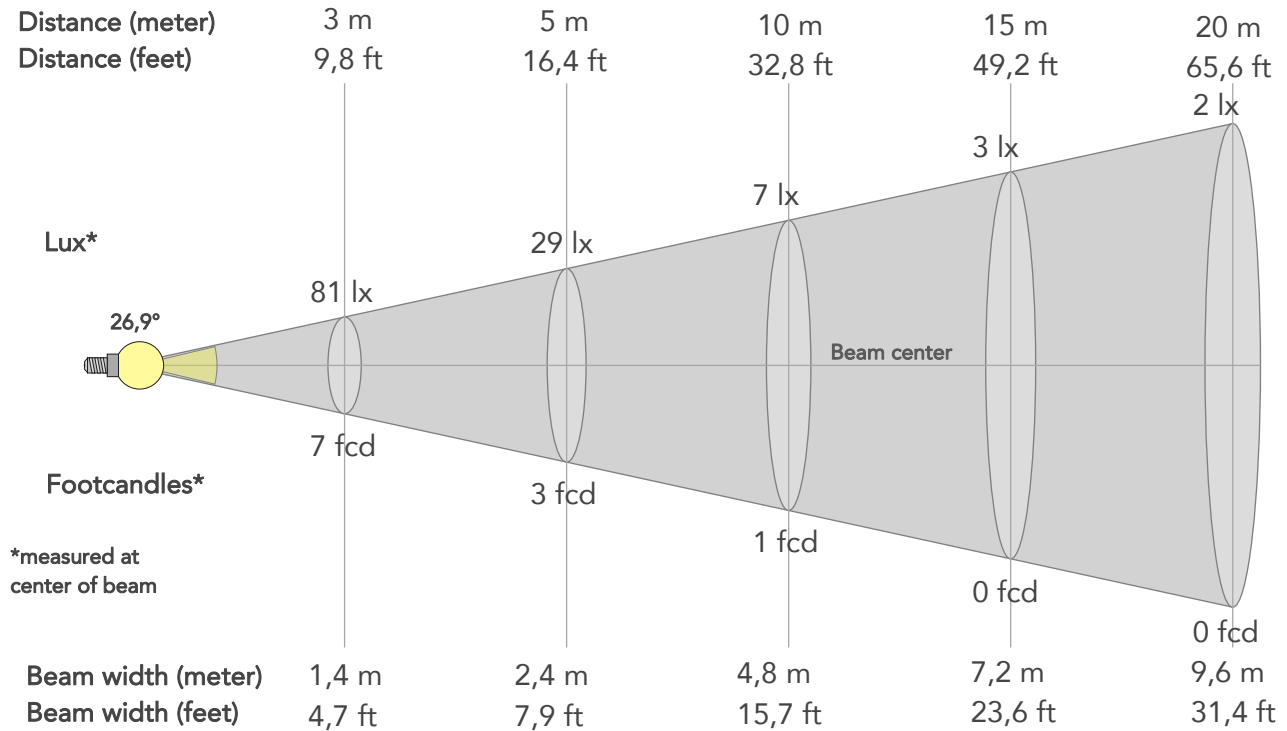
Cut off angle 2.5%: 91,4°

**Spectra**



## BEAM DETAILS

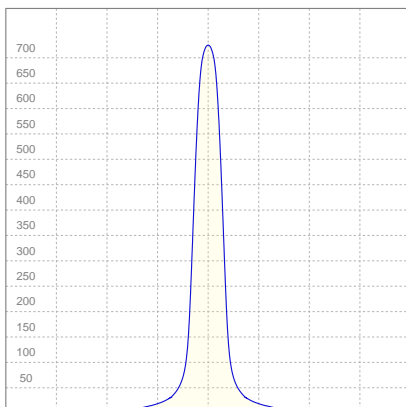
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26,9°	44,6°	91,4°	95,4%	87,0%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	725lx	181lx	81lx	45lx	29lx	13lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	67fcd	17fcd	7fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,4m	1,9m	2,4m	3,6m	4,8m	7,2m	9,6m	12m	14,4m	19,2m	24m
Beam wid.	1,6ft	3,2ft	4,7ft	6,3ft	7,9ft	11,8ft	15,7ft	23,6ft	31,4ft	39,3ft	47,1ft	62,8ft	78,6ft

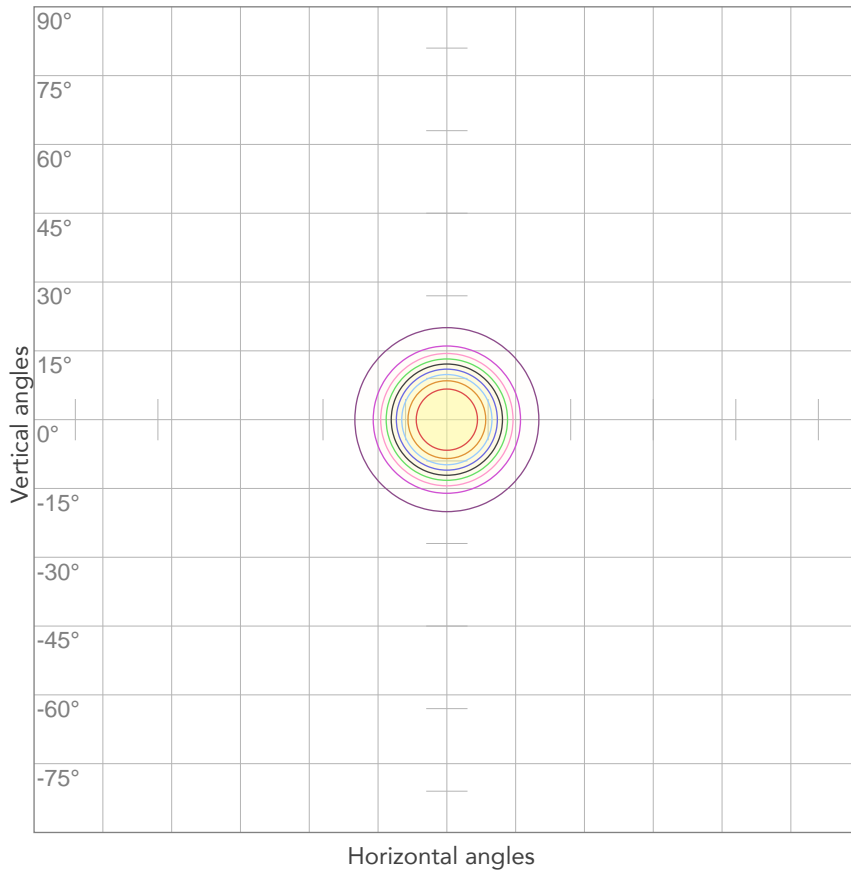
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,237A	25,0W	9lm/W
Power FC			
0,47			

## ISO CANDELA DIAGRAM



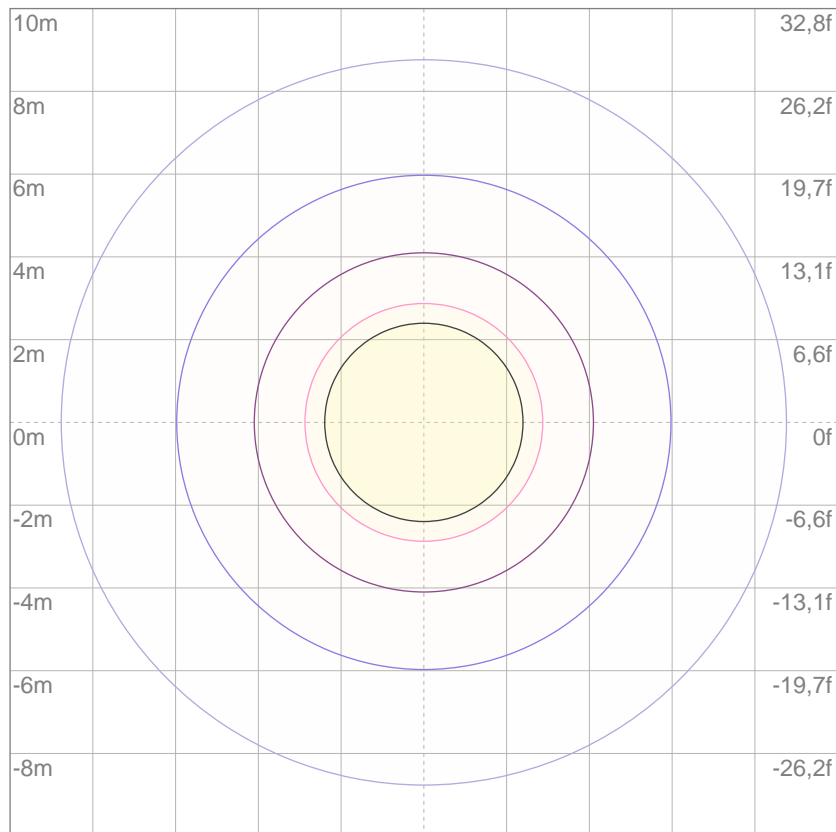
10%	72 cd
20%	145 cd
30%	217 cd
40%	290 cd
50%	362 cd
60%	435 cd
70%	507 cd
80%	580 cd

### Conditions:

Number of c-planes: 2

Candela at center: 725 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,217 lx
5%	0,362 lx
10%	0,725 lx
30%	2,17 lx
50%	3,62 lx

### Conditions:

Number of c-planes: 2

Lux at center: 7,25 lx

*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*