



# Photometric Test Report



## STUDIOCOBFC

150W full color COB PAR  
with parabolic reflector

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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:

3682 lm

Peak candela output:

3853 cd

**PRODUCT NAME:**

STUDIOCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Wide Optic

Target:

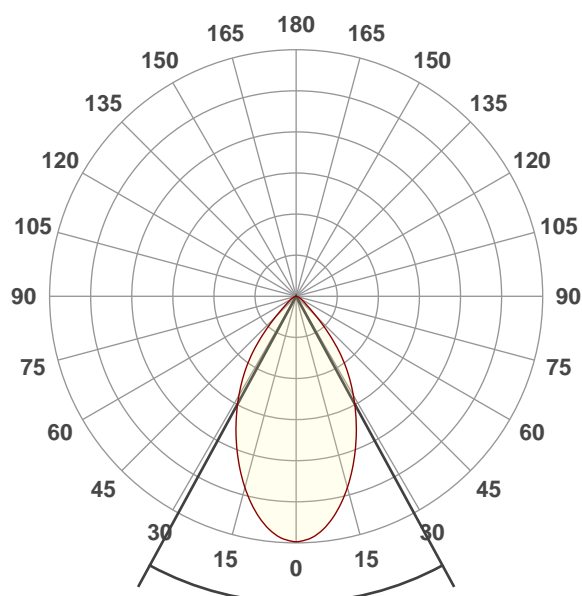
Full On

Operator:

Paolo Carvone

Date and time:

26/04/2021 11:24:28

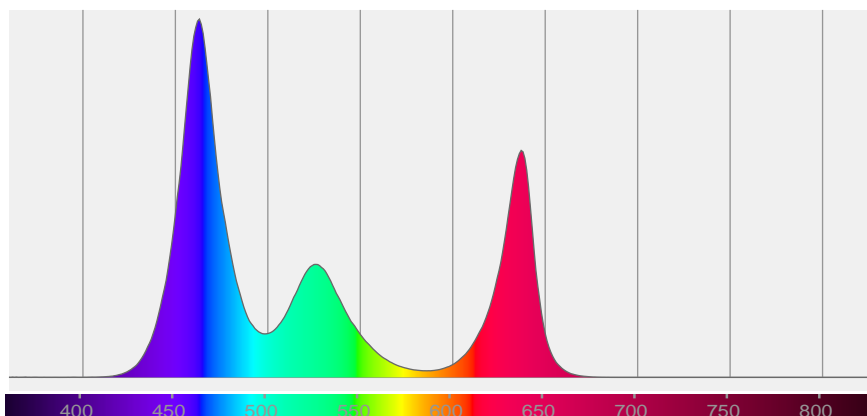


Beam angle 50%: 57,1°

Field angle 10%: 92,4°

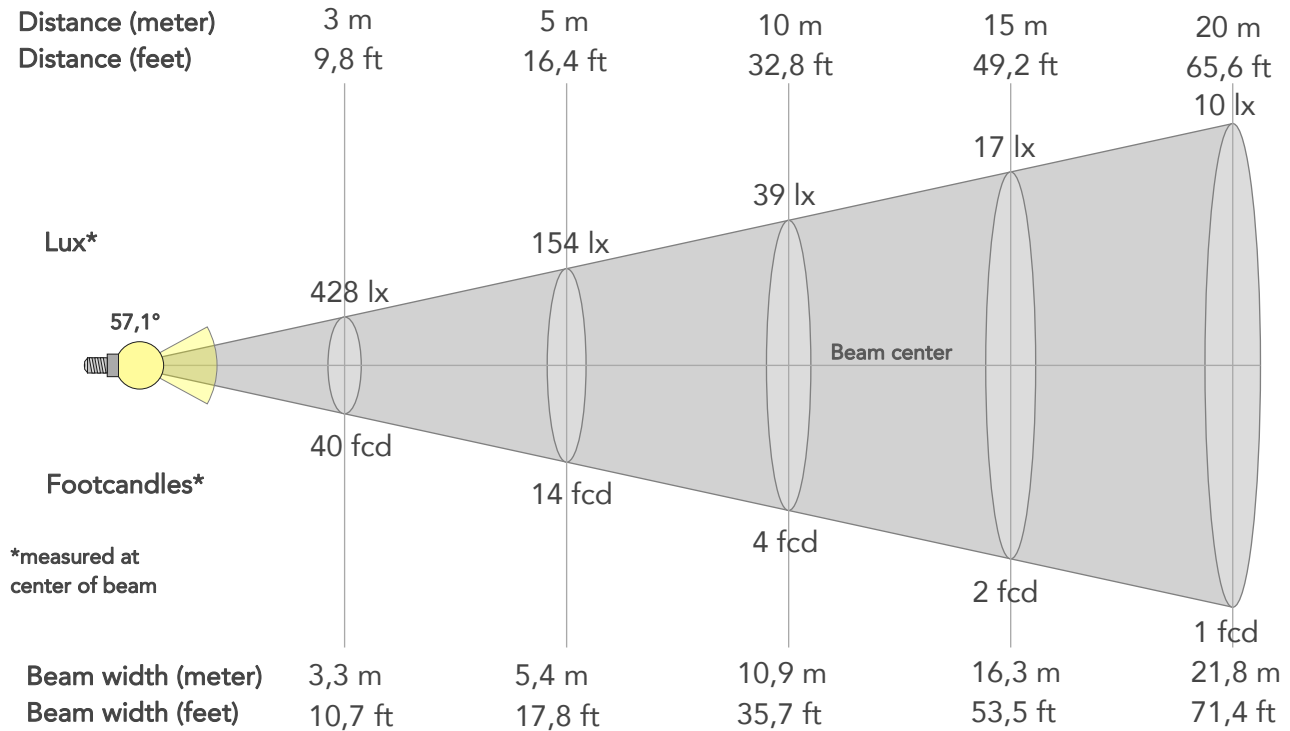
Cut off angle 2.5%: 119,6°

**Spectra**



## BEAM DETAILS

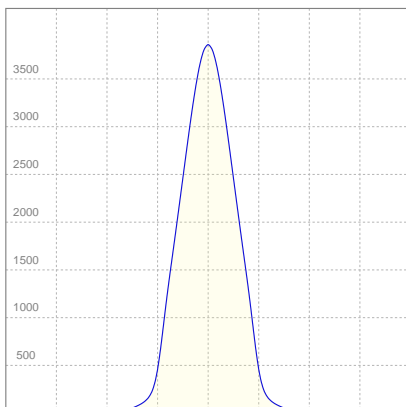
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,1°	92,4°	119,6°	97,5%	90,5%



### 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	3853lx	963lx	428lx	241lx	154lx	68lx	39lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	358fcd	89fcd	40fcd	22fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,4m	8,2m	10,9m	16,3m	21,8m	27,2m	32,6m	43,5m	54,4m
Beam wid.	3,6ft	7,2ft	10,7ft	14,2ft	17,8ft	26,8ft	35,7ft	53,5ft	71,4ft	89,2ft	107ft	142,7ft	178,4ft

### LINEAR DISTRIBUTION DIAGRAM

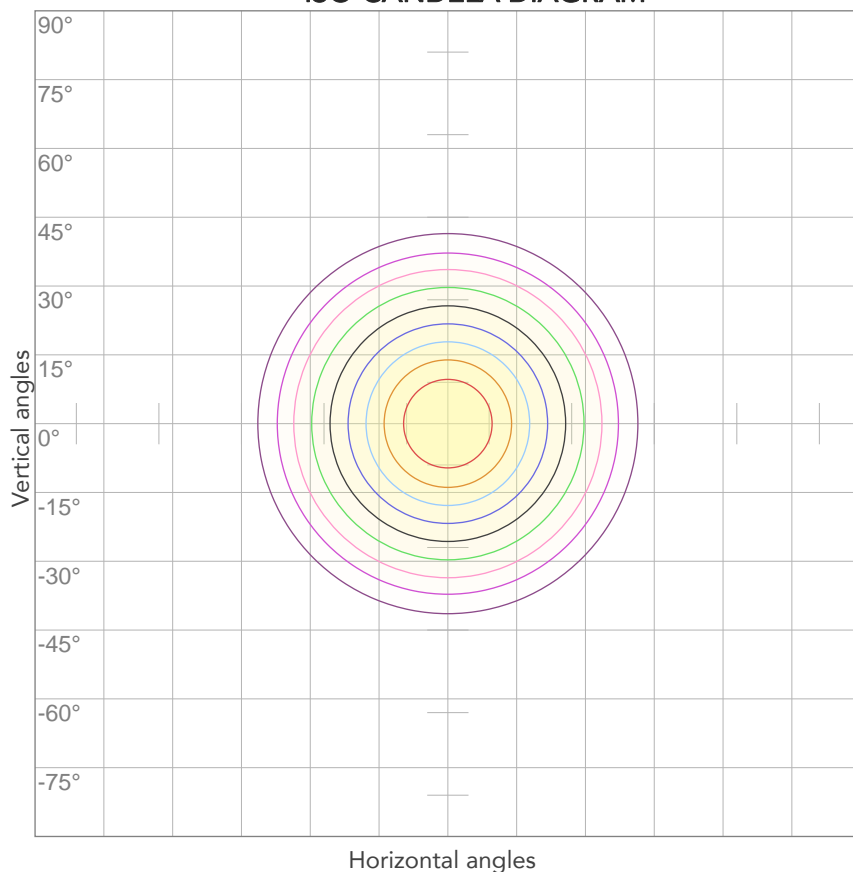


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,661A	144,5W	25lm/W

Power FC
0,96

## ISO CANDELA DIAGRAM



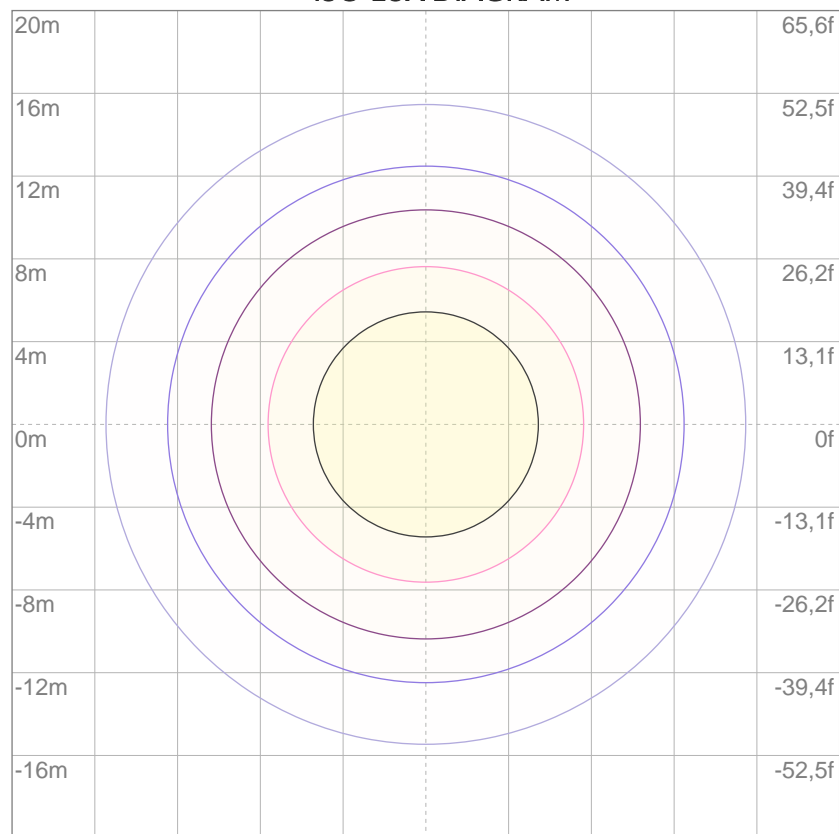
10%	385 cd
20%	771 cd
30%	1156 cd
40%	1541 cd
50%	1926 cd
60%	2312 cd
70%	2697 cd
80%	3082 cd

### Conditions:

Number of c-planes: 2

Candela at center: 3853 cd

## ISO LUX DIAGRAM



3%	1,16 lx
5%	1,93 lx
10%	3,85 lx
30%	11,6 lx
50%	19,3 lx

### Conditions:

Number of c-planes: 2

Lux at center: 38,5 lx

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



Total lumen output:

**3469 lm**

Peak candela output:

**8168 cd**

**PRODUCT NAME:**

**STUDIOCOBFC**

**MEASURAMENT CONDITIONS:**

Beam angle:

Medium Optic

Target:

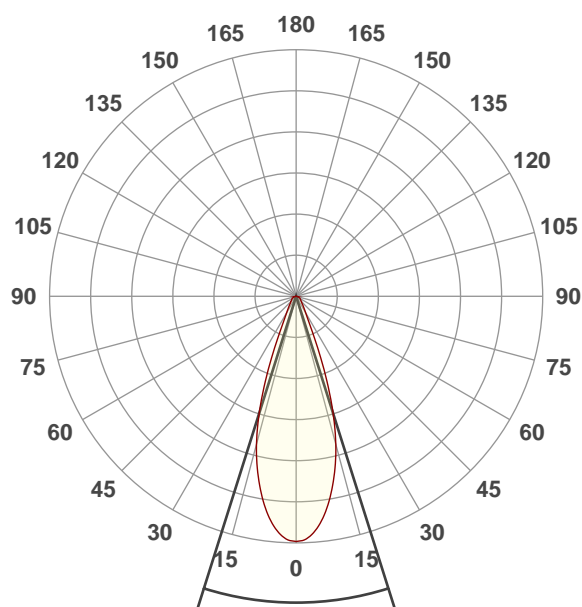
Full On

Operator:

Paolo Carvone

Date and time:

26/04/2021 10:53:53

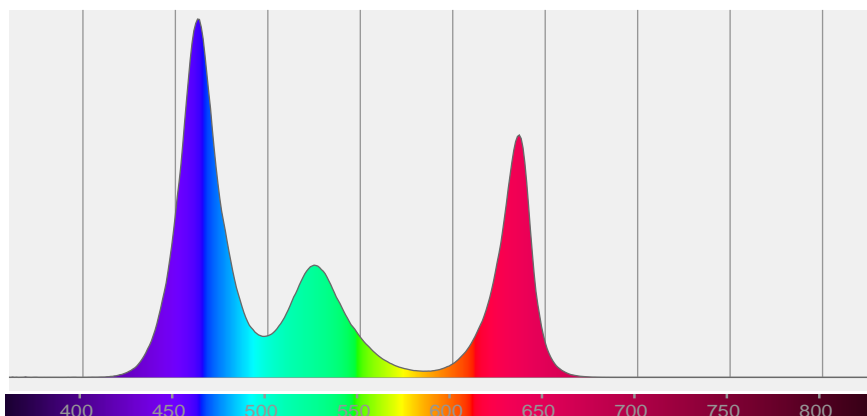


Beam angle 50%: 35°

Field angle 10%: 55,2°

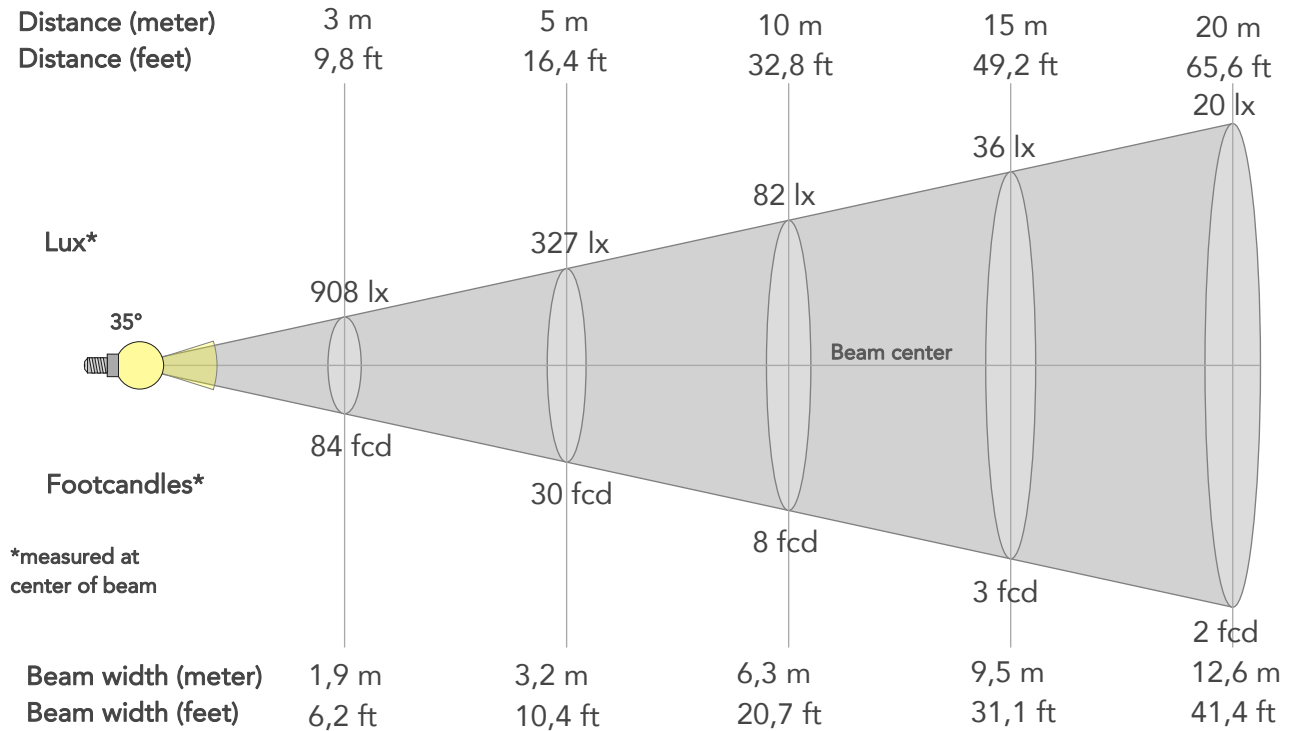
Cut off angle 2.5%: 99°

**Spectra**



## BEAM DETAILS

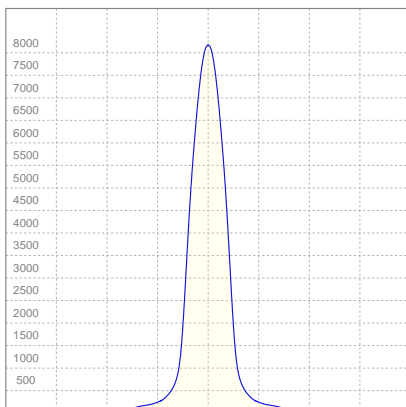
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35°	55,2°	99°	95,5%	88,4%



### 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	8168lx	2042lx	908lx	510lx	327lx	145lx	82lx	36lx	20lx	13lx	9lx	5lx	3lx
Footcand.	759fcd	190fcd	84fcd	47fcd	30fcd	13fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,3m	1,9m	2,5m	3,2m	4,7m	6,3m	9,5m	12,6m	15,8m	18,9m	25,3m	31,6m
Beam wid.	2,1ft	4,2ft	6,2ft	8,3ft	10,4ft	15,5ft	20,7ft	31,1ft	41,4ft	51,8ft	62,1ft	82,9ft	103,6ft

### LINEAR DISTRIBUTION DIAGRAM



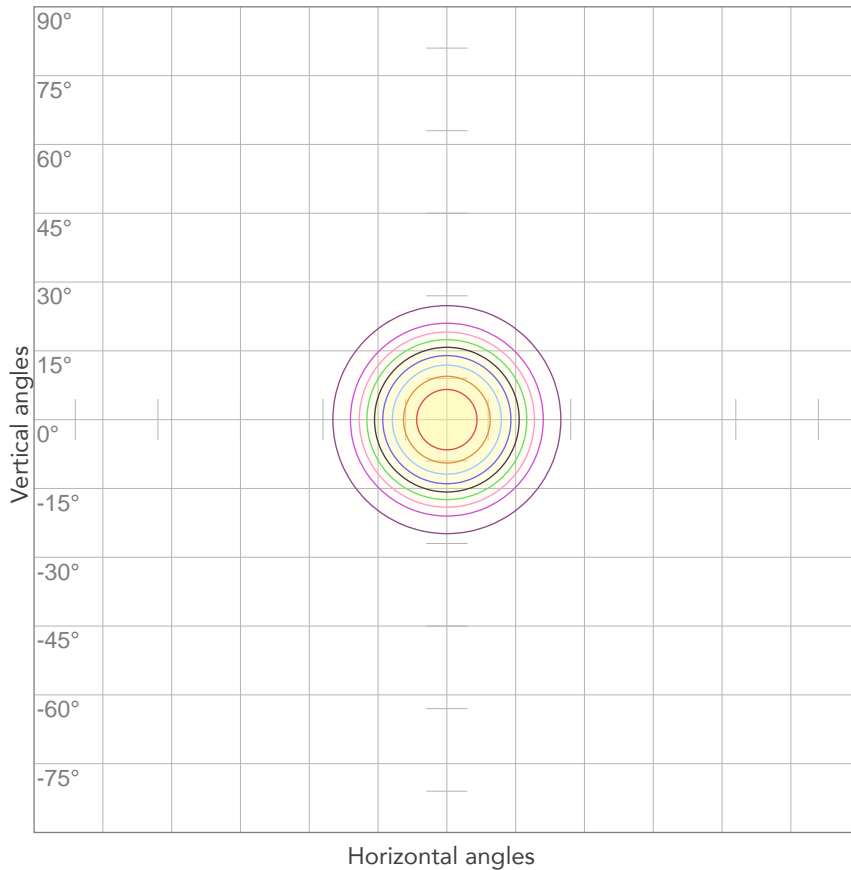
### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,674A	146,6W	24lm/W

Power FC
0,96



## ISO CANDELA DIAGRAM



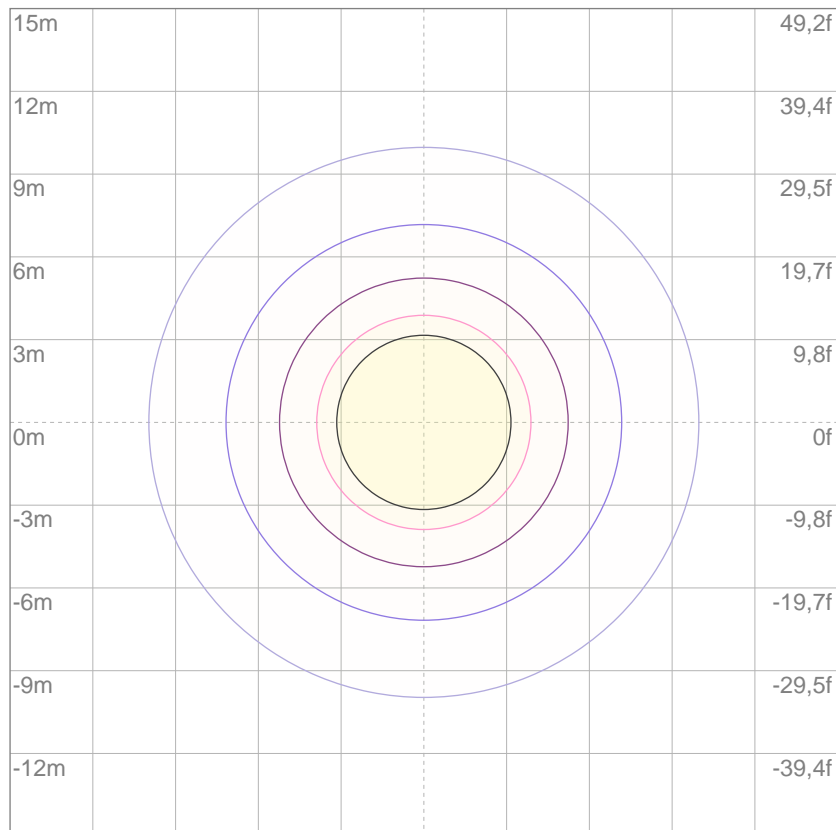
10%	817 cd
20%	1634 cd
30%	2450 cd
40%	3267 cd
50%	4084 cd
60%	4901 cd
70%	5717 cd
80%	6534 cd

### Conditions:

Number of c-planes: 2

Candela at center: 8168 cd

## ISO LUX DIAGRAM



3%	2,45 lx
5%	4,08 lx
10%	8,17 lx
30%	24,5 lx
50%	40,8 lx

### Conditions:

Number of c-planes: 2

Lux at center: 81,7 lx

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



Total lumen output:

2915 lm

Peak candela output:

9326 cd

**PRODUCT NAME:**

STUDIOCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Narrow Optic

Target:

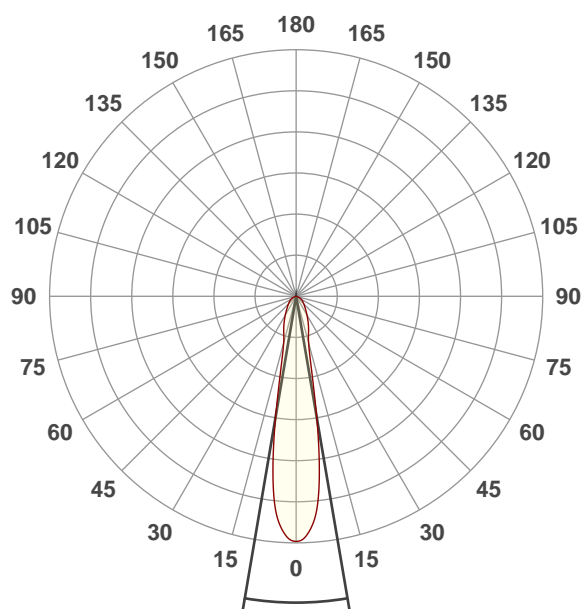
Full On

Operator:

Paolo Carvone

Date and time:

26/04/2021 11:08:30

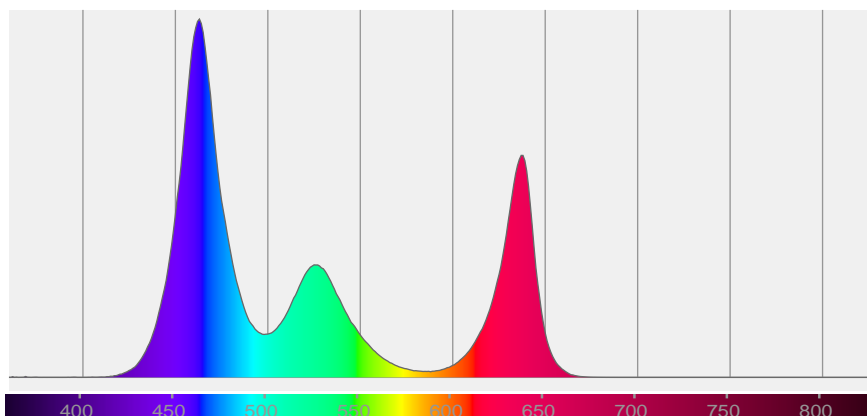


Beam angle 50%: 19,3°

Field angle 10%: 55,5°

Cut off angle 2.5%: 118,5°

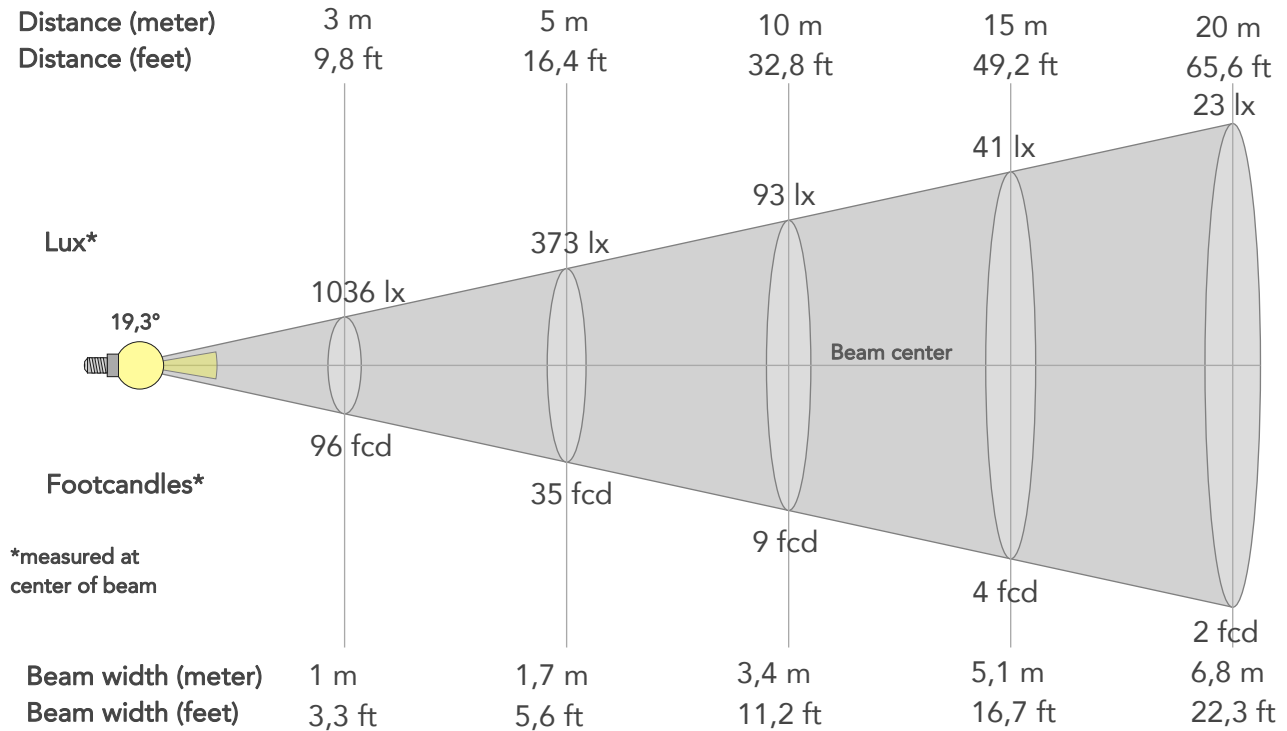
**Spectra**



## BEAM DETAILS



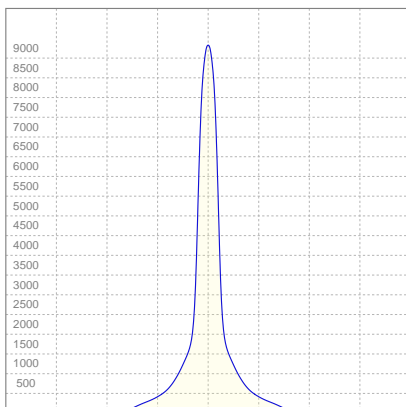
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,3°	55,5°	118,5°	93,0%	79,1%



### 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	9326lx	2331lx	1036lx	583lx	373lx	166lx	93lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	866fcd	217fcd	96fcd	54fcd	35fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,4m	1,7m	2,6m	3,4m	5,1m	6,8m	8,5m	10,2m	13,6m	17m
Beam wid.	1,1ft	2,2ft	3,3ft	4,5ft	5,6ft	8,4ft	11,2ft	16,7ft	22,3ft	27,9ft	33,5ft	44,6ft	55,8ft

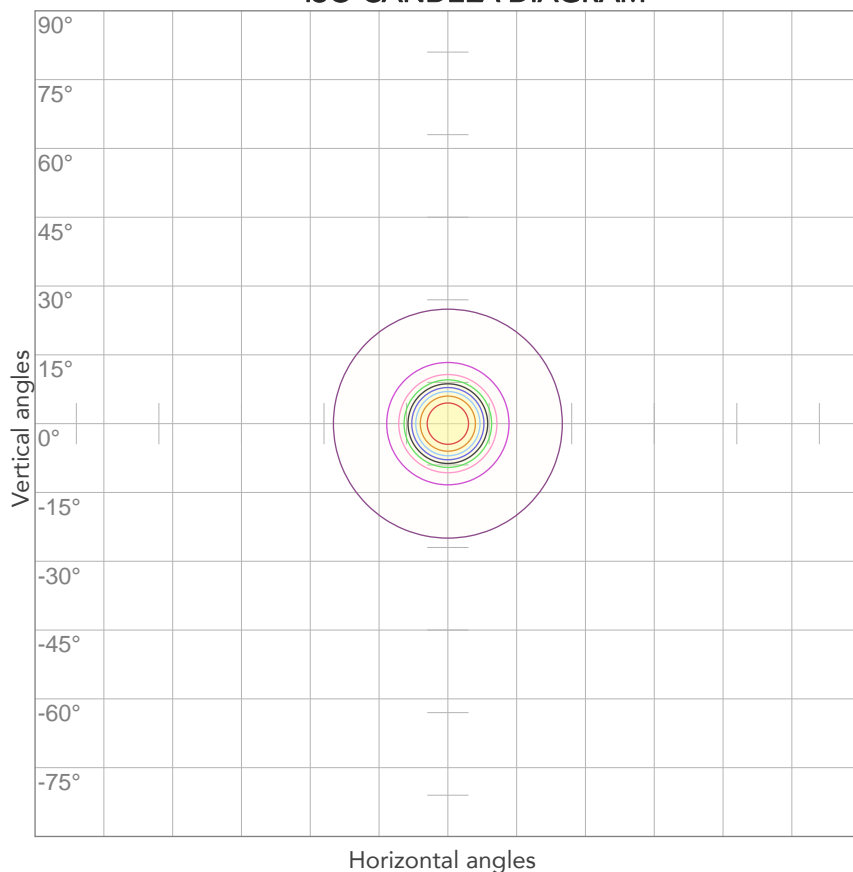
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,664A	144,4W	20lm/W
Power FC			
0,96			

## ISO CANDELA DIAGRAM



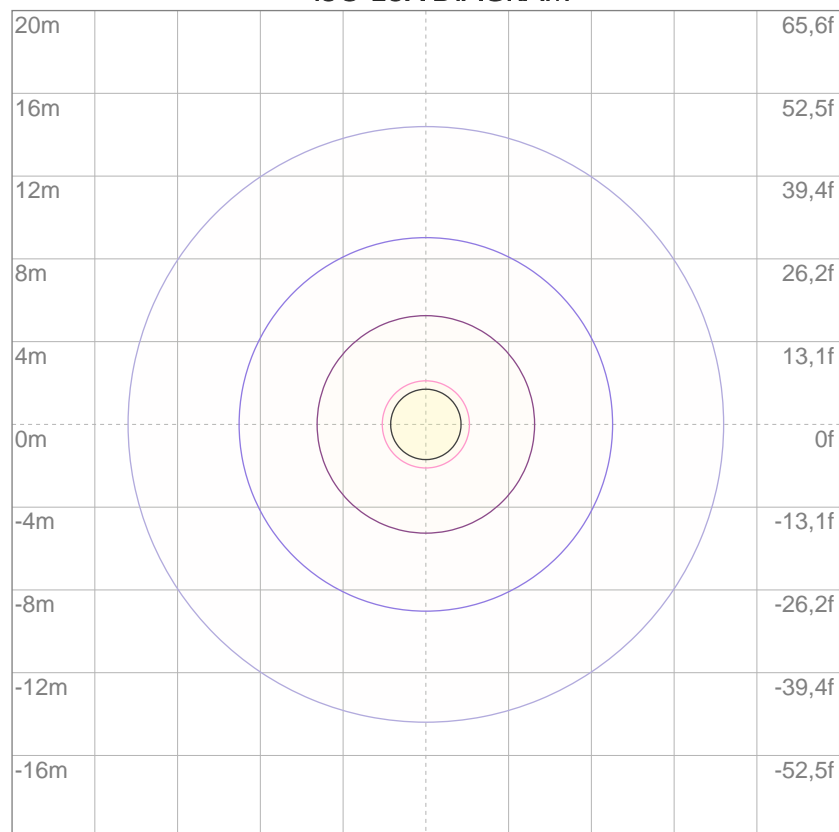
10%	933 cd
20%	1865 cd
30%	2798 cd
40%	3730 cd
50%	4663 cd
60%	5595 cd
70%	6528 cd
80%	7460 cd

### Conditions:

Number of c-planes: 2

Candela at center: 9326 cd

## ISO LUX DIAGRAM



3%	2,80 lx
5%	4,66 lx
10%	9,33 lx
30%	28,0 lx
50%	46,6 lx

### Conditions:

Number of c-planes: 2

Lux at center: 93,3 lx

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



Total lumen output:

1077 lm

Peak candela output:

1116 cd

**PRODUCT NAME:**

STUDIOCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Wide Optic

Target:

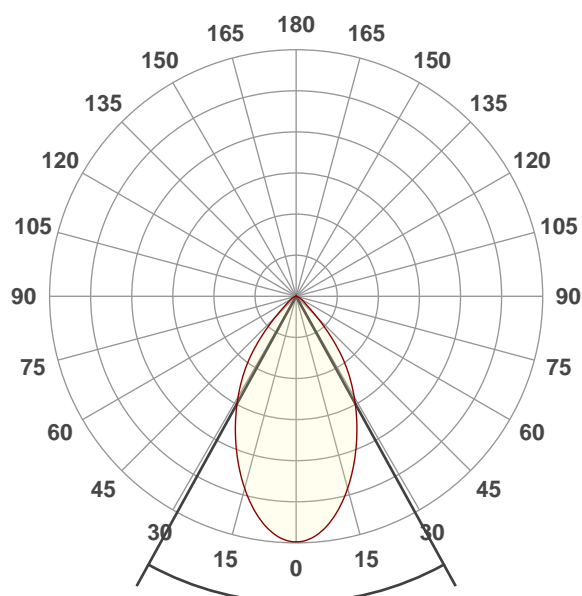
Red

Operator:

Paolo Carvone

Date and time:

26/04/2021 11:27:43

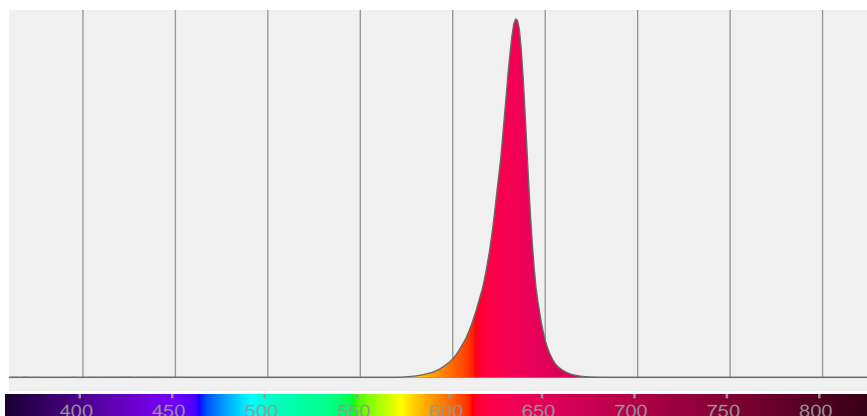


Beam angle 50%: 57,7°

Field angle 10%: 92,4°

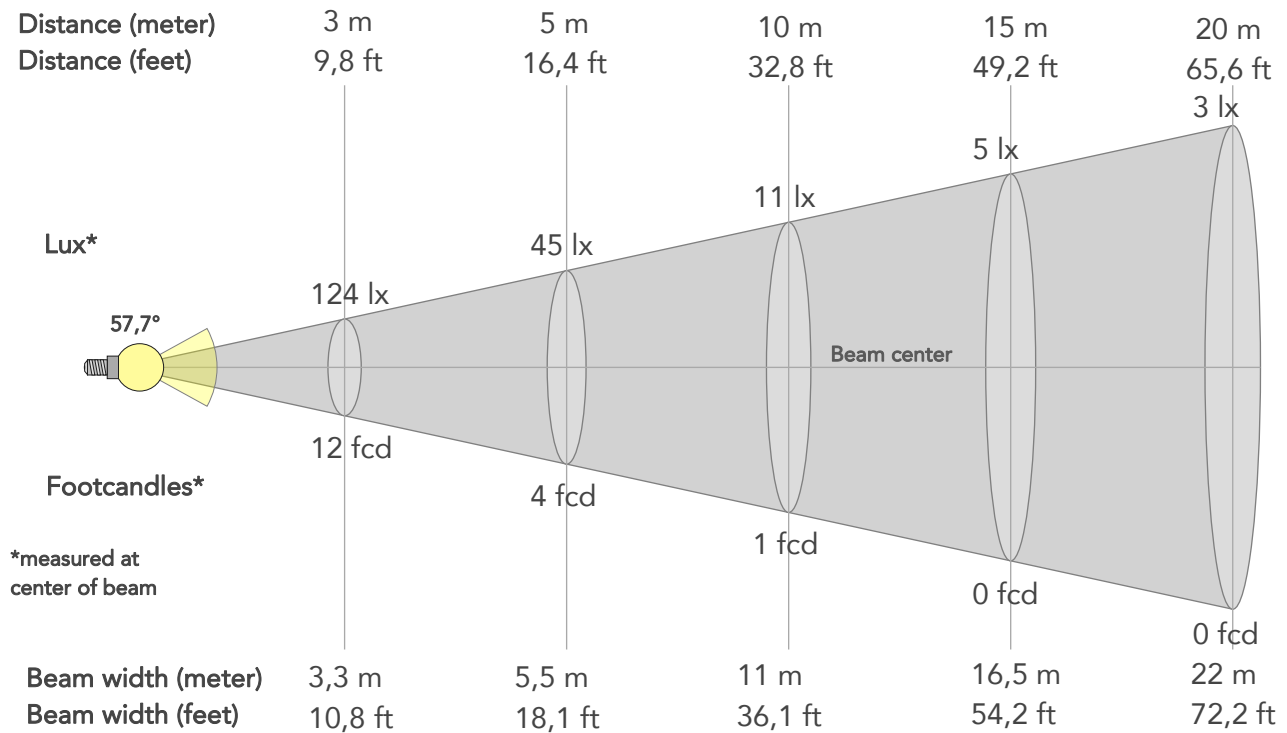
Cut off angle 2.5%: 119,6°

Spectra



## BEAM DETAILS

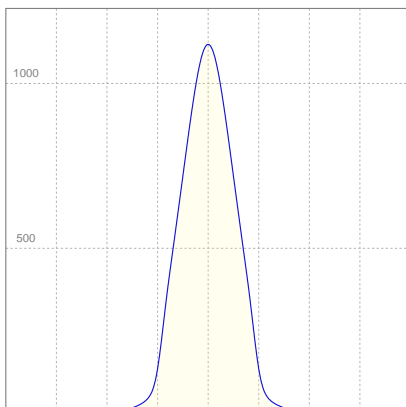
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,7°	92,4°	119,6°	97,4%	90,5%



### 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	1116lx	279lx	124lx	70lx	45lx	20lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	104fcd	26fcd	12fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11m	16,5m	22m	27,5m	33m	44m	55,1m
Beam wid.	3,6ft	7,3ft	10,8ft	14,4ft	18,1ft	27,1ft	36,1ft	54,2ft	72,2ft	90,3ft	108,4ft	144,5ft	180,6ft

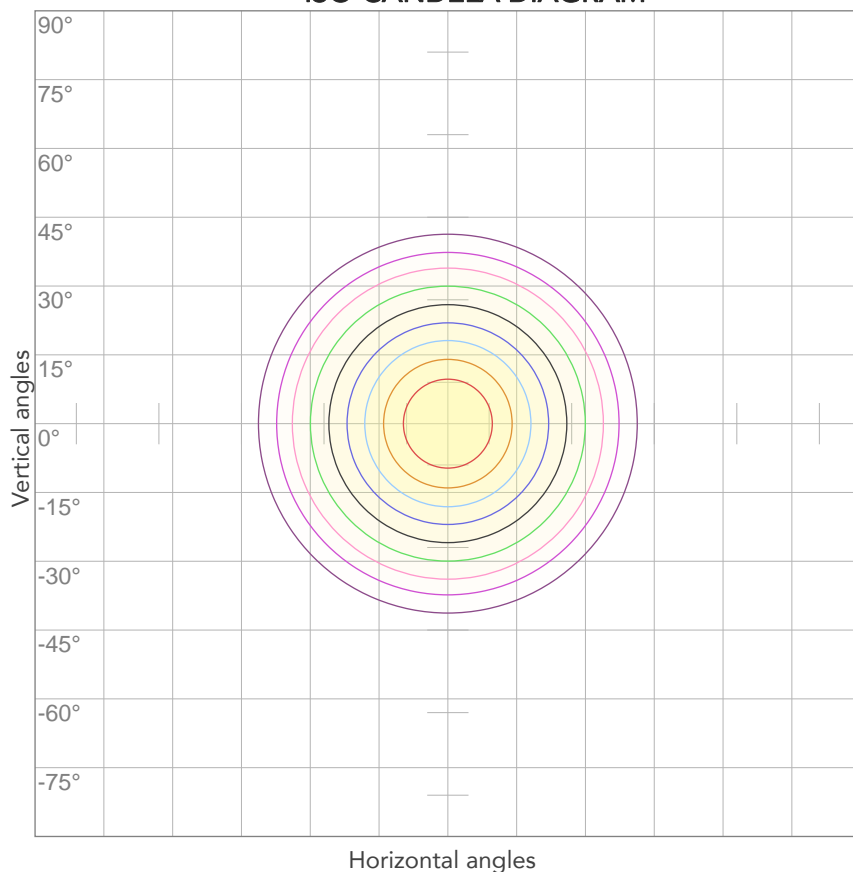
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,243A	45,9W	23lm/W
Power FC			
0,83			

## ISO CANDELA DIAGRAM



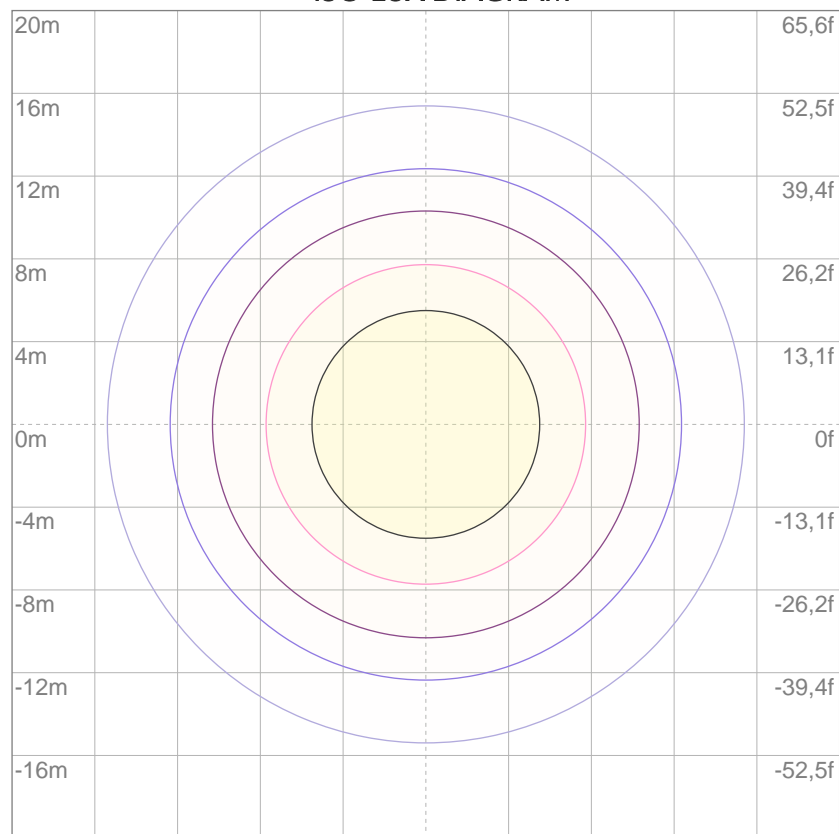
10%	112 cd
20%	223 cd
30%	335 cd
40%	446 cd
50%	558 cd
60%	670 cd
70%	781 cd
80%	893 cd

### Conditions:

Number of c-planes: 2

Candela at center: 1116 cd

## ISO LUX DIAGRAM



3%	0,335 lx
5%	0,558 lx
10%	1,12 lx
30%	3,35 lx
50%	5,58 lx

### Conditions:

Number of c-planes: 2

Lux at center: 11,2 lx

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



Total lumen output:

1081 lm

Peak candela output:

2473 cd

**PRODUCT NAME:**

STUDIOCOBFC

**MEASUREMENT CONDITIONS:**

Beam angle:

Medium Optic

Target:

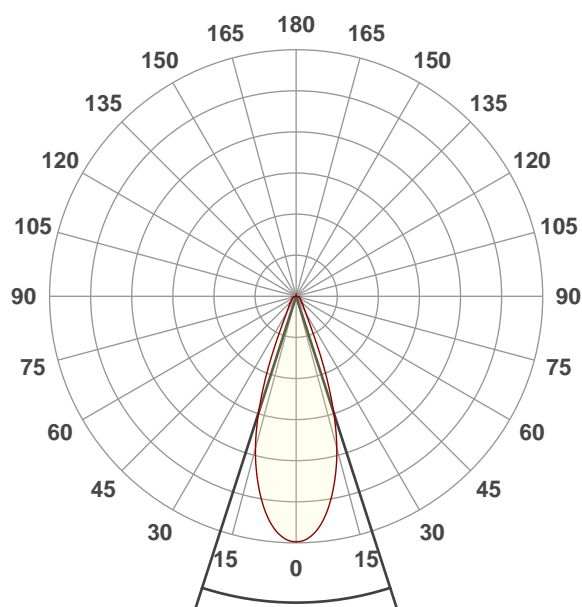
Red

Operator:

Paolo Carvone

Date and time:

26/04/2021 10:55:24

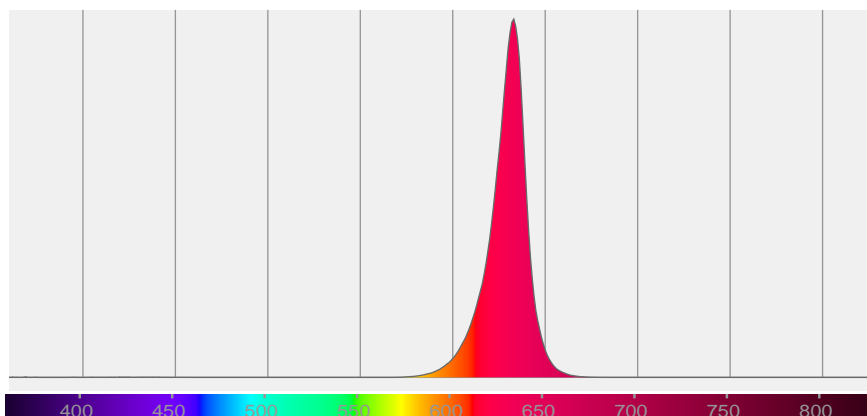


Beam angle 50%: 35,8°

Field angle 10%: 55,8°

Cut off angle 2.5%: 99°

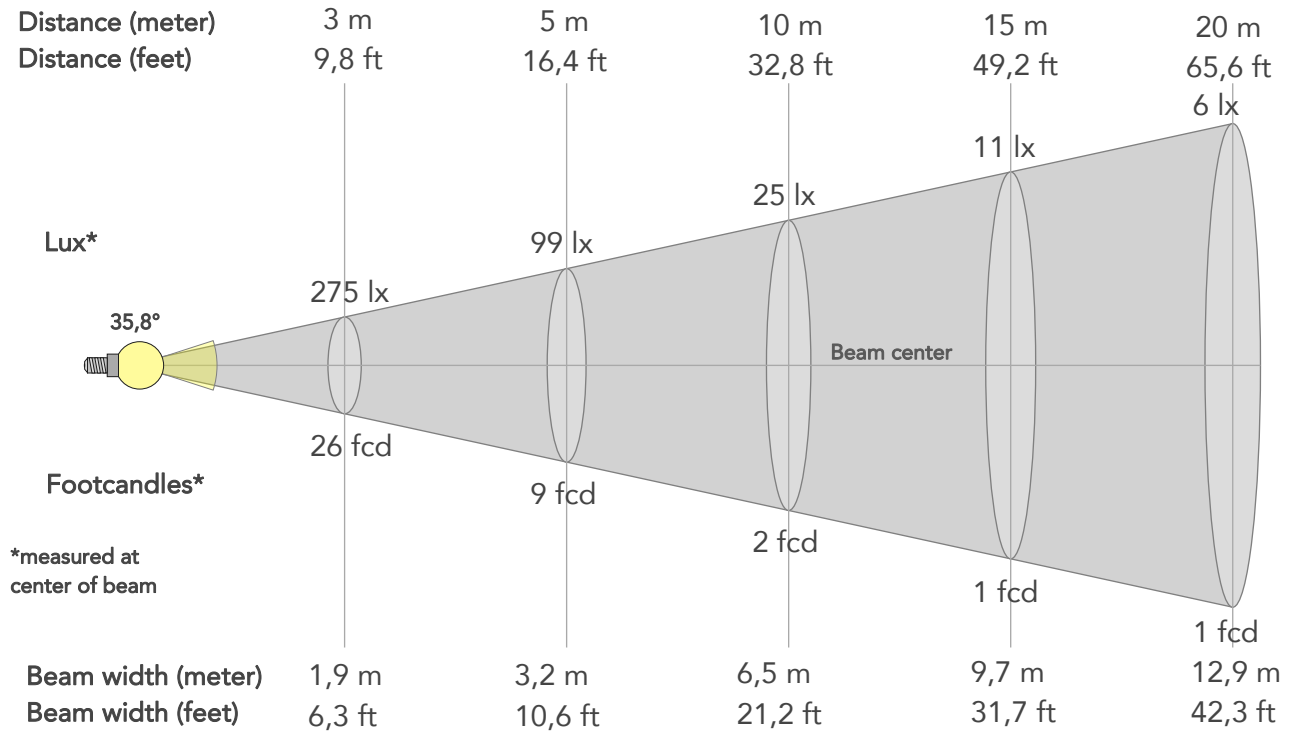
**Spectra**





## BEAM DETAILS

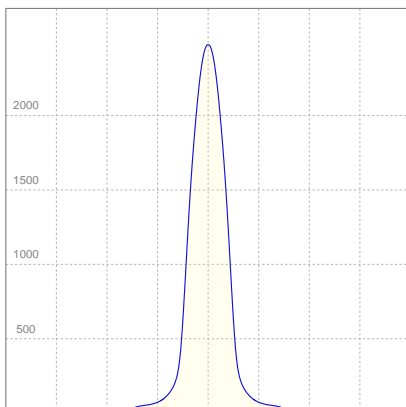
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,8°	55,8°	99°	95,2%	88,2%



### 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	2473lx	618lx	275lx	155lx	99lx	44lx	25lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	230fcd	57fcd	26fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,3m	1,9m	2,6m	3,2m	4,8m	6,5m	9,7m	12,9m	16,1m	19,4m	25,8m	32,3m
Beam wid.	2,1ft	4,3ft	6,3ft	8,5ft	10,6ft	15,9ft	21,2ft	31,7ft	42,3ft	52,9ft	63,5ft	84,6ft	105,8ft

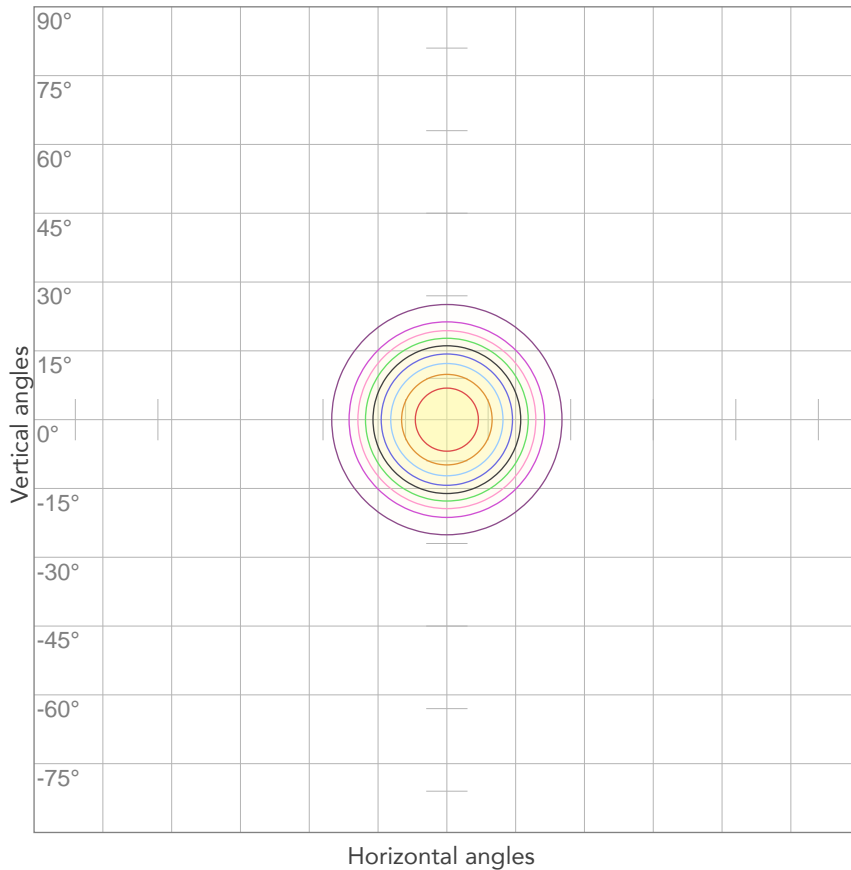
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,245A	46,3W	23lm/W
Power FC			
0,83			

## ISO CANDELA DIAGRAM



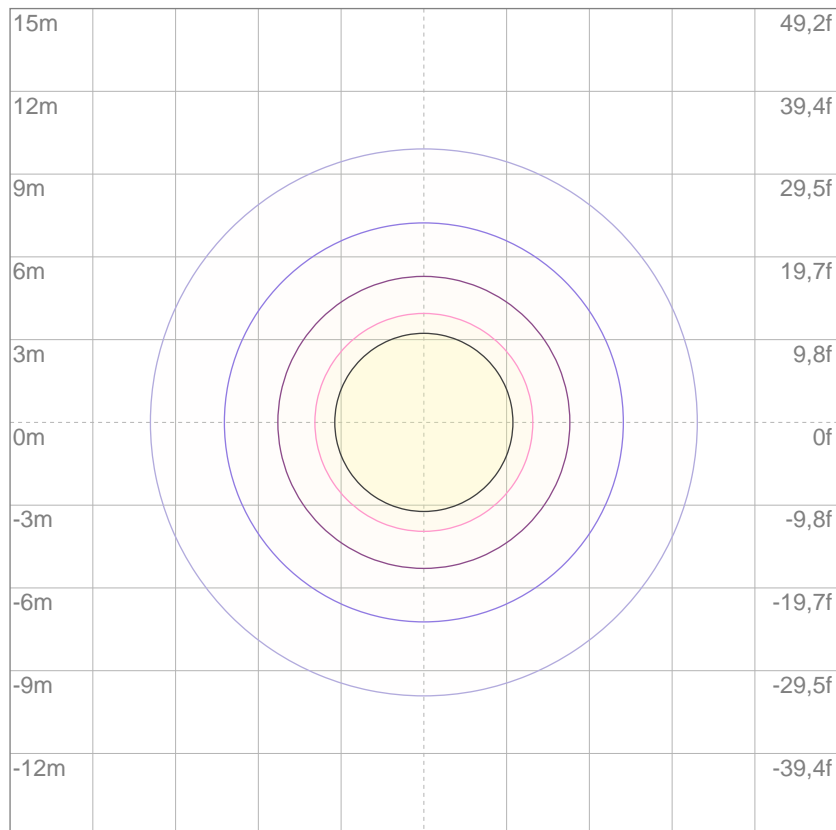
10%	247 cd
20%	495 cd
30%	742 cd
40%	989 cd
50%	1236 cd
60%	1484 cd
70%	1731 cd
80%	1978 cd

### Conditions:

Number of c-planes: 2

Candela at center: 2473 cd

## ISO LUX DIAGRAM



3%	0,742 lx
5%	1,24 lx
10%	2,47 lx
30%	7,42 lx
50%	12,4 lx

### Conditions:

Number of c-planes: 2

Lux at center: 24,7 lx

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



Total lumen output:

869 lm

Peak candela output:

2699 cd

**PRODUCT NAME:**

STUDIOCOBFC

**MEASUREMENT CONDITIONS:**

Beam angle:

Narrow Optic

Target:

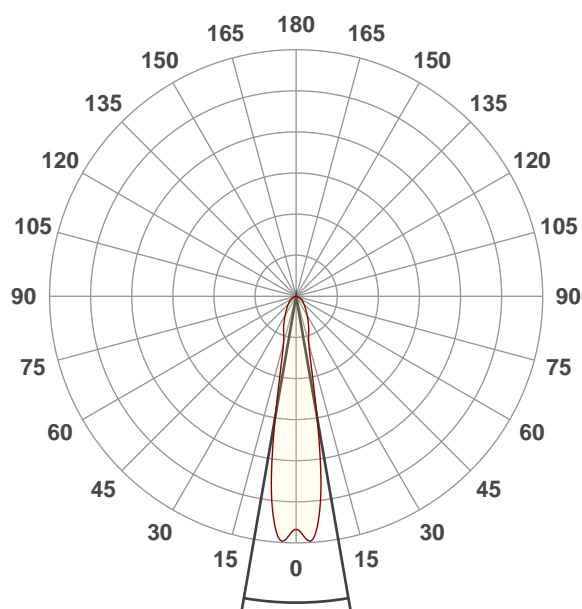
Red

Operator:

Paolo Carvone

Date and time:

26/04/2021 11:10:30

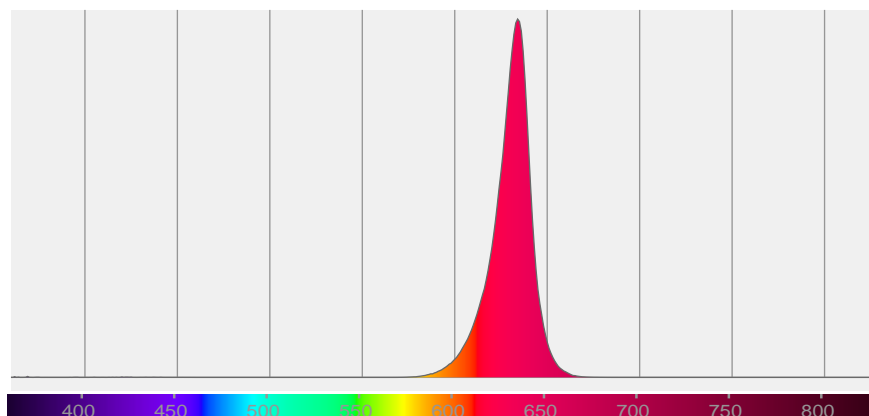


Beam angle 50%: 19,7°

Field angle 10%: 56°

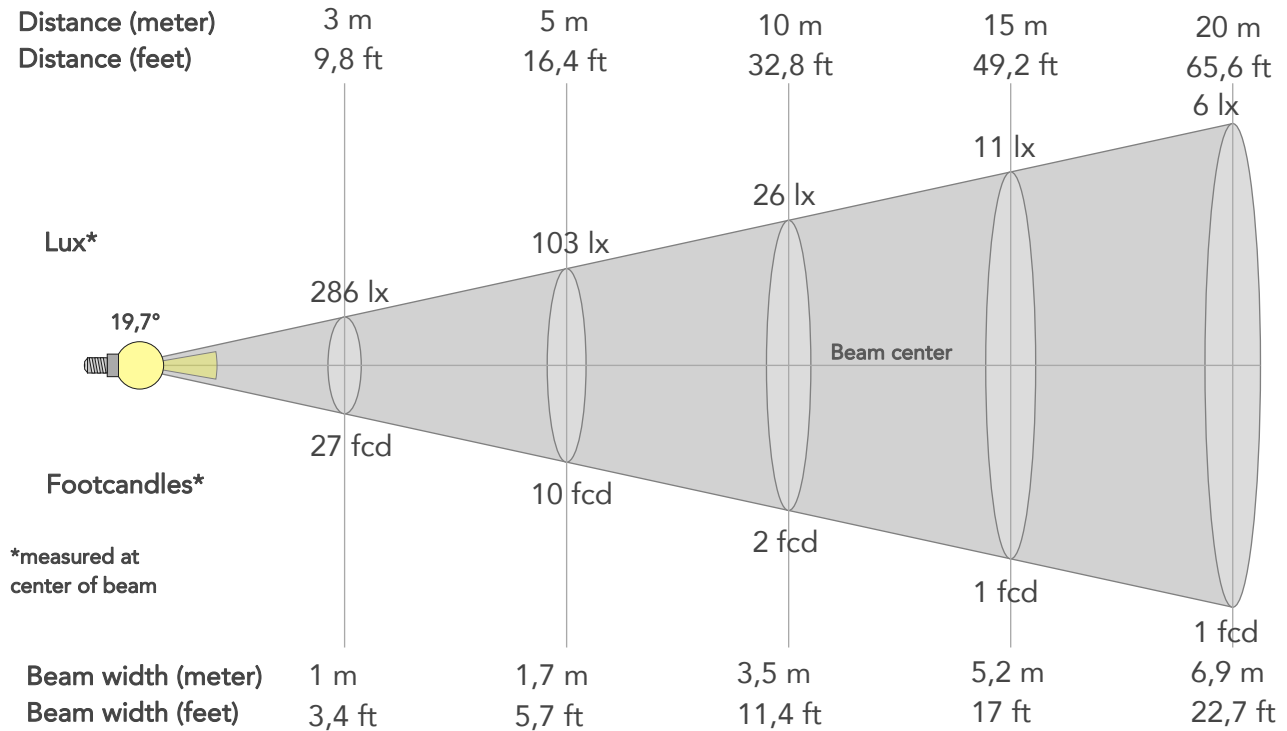
Cut off angle 2.5%: 119,5°

**Spectra**



## BEAM DETAILS

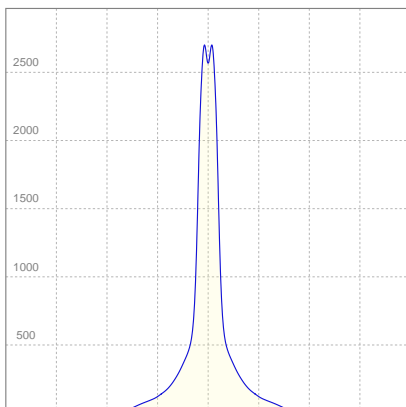
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,7°	56°	119,5°	92,6%	79,0%



### 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	2572lx	643lx	286lx	161lx	103lx	46lx	26lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	239fcd	60fcd	27fcd	15fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,4m	1,7m	2,6m	3,5m	5,2m	6,9m	8,7m	10,4m	13,9m	17,3m
Beam wid.	1,1ft	2,3ft	3,4ft	4,5ft	5,7ft	8,5ft	11,4ft	17ft	22,7ft	28,4ft	34,1ft	45,5ft	56,8ft

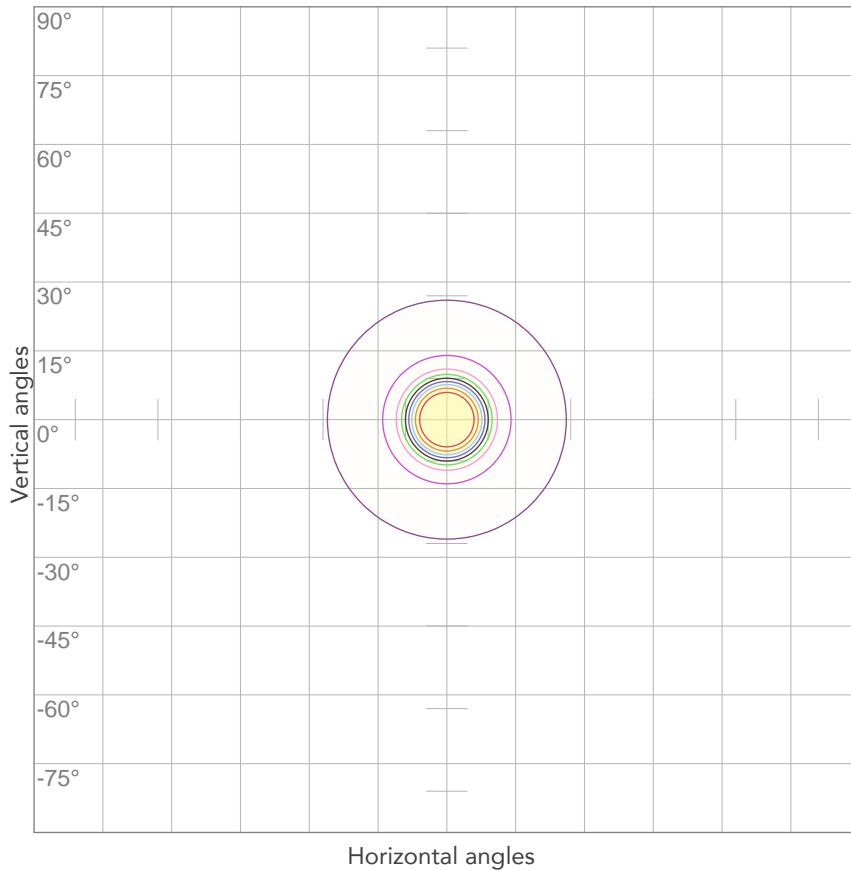
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,662A	143,9W	6lm/W
Power FC			
0,96			

## ISO CANDELA DIAGRAM



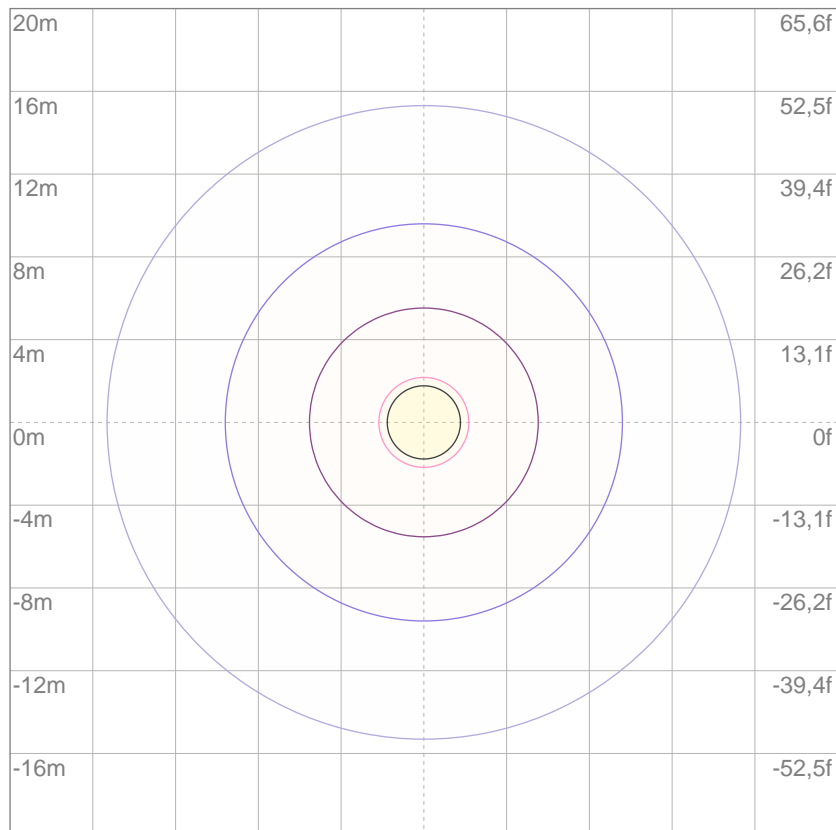
10%	257 cd
20%	514 cd
30%	772 cd
40%	1029 cd
50%	1286 cd
60%	1543 cd
70%	1800 cd
80%	2057 cd

### Conditions:

Number of c-planes: 2

Candela at center: 2572 cd

## ISO LUX DIAGRAM



3%	0,772 lx
5%	1,29 lx
10%	2,57 lx
30%	7,72 lx
50%	12,9 lx

### Conditions:

Number of c-planes: 2

Lux at center: 25,7 lx

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



Total lumen output:

2332 lm

Peak candela output:

2436 cd

PRODUCT NAME:

STUDIOCOBFC

MEASUREMENT CONDITIONS:

Beam angle:

Wide Optic

Target:

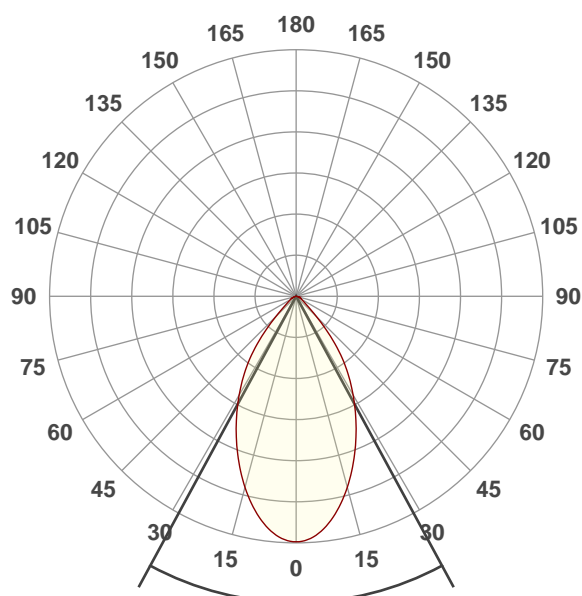
Green

Operator:

Paolo Carvone

Date and time:

26/04/2021 11:29:32

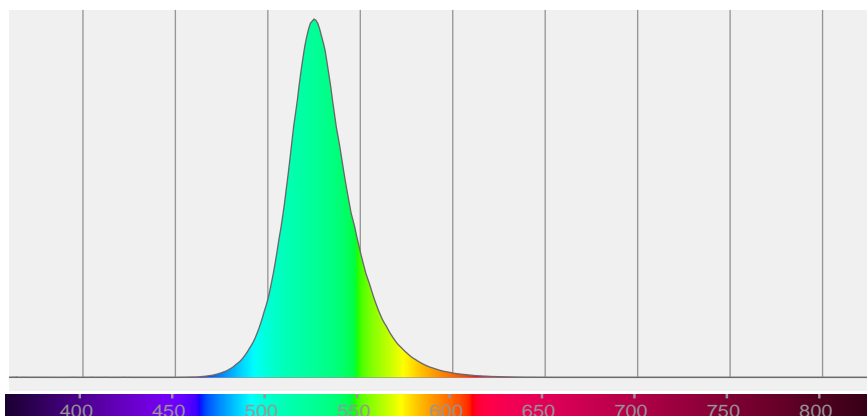


Beam angle 50%: 56,9°

Field angle 10%: 92,5°

Cut off angle 2.5%: 121,4°

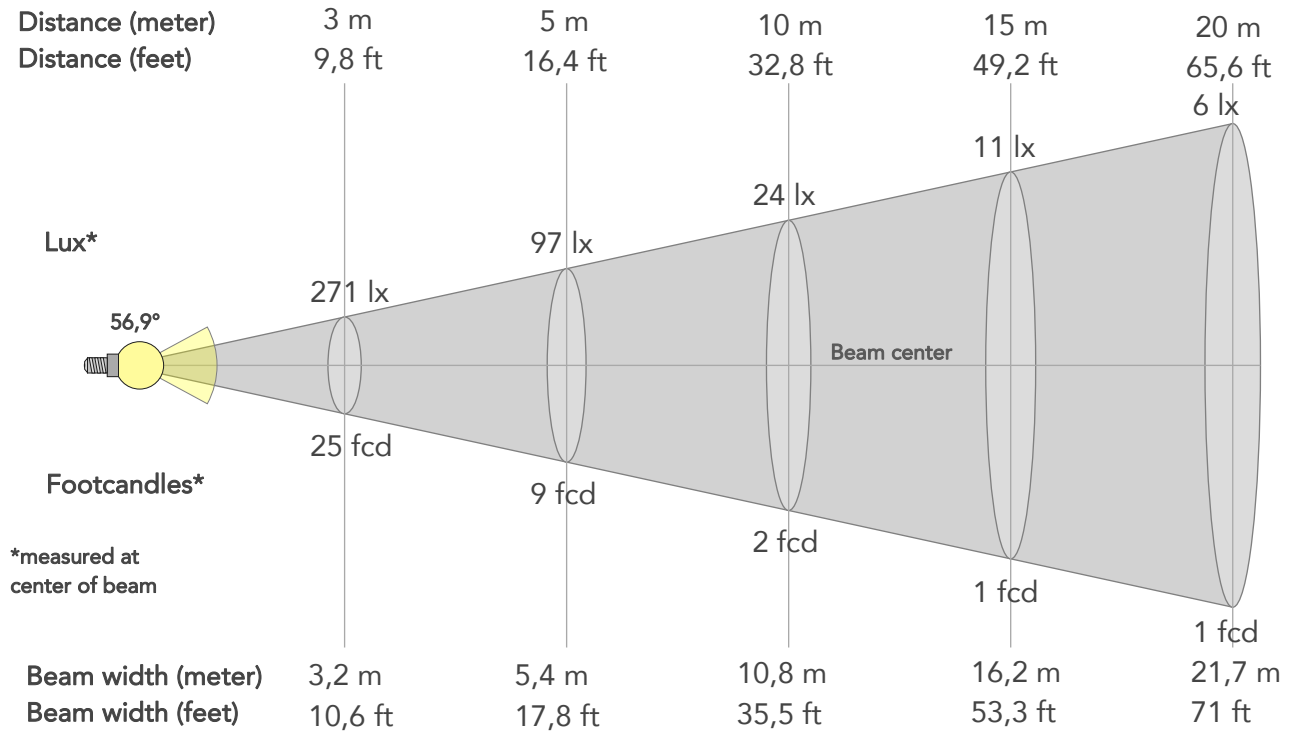
Spectra



## BEAM DETAILS



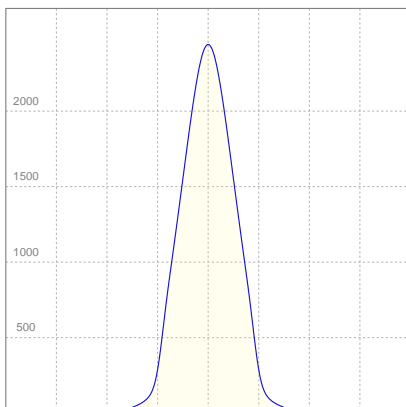
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,9°	92,5°	121,4°	97,1%	89,9%



### 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	2436lx	609lx	271lx	152lx	97lx	43lx	24lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	226fcd	57fcd	25fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,7m	27,1m	32,5m	43,3m	54,2m
Beam wid.	3,6ft	7,1ft	10,6ft	14,2ft	17,8ft	26,6ft	35,5ft	53,3ft	71ft	88,8ft	106,6ft	142,1ft	177,6ft

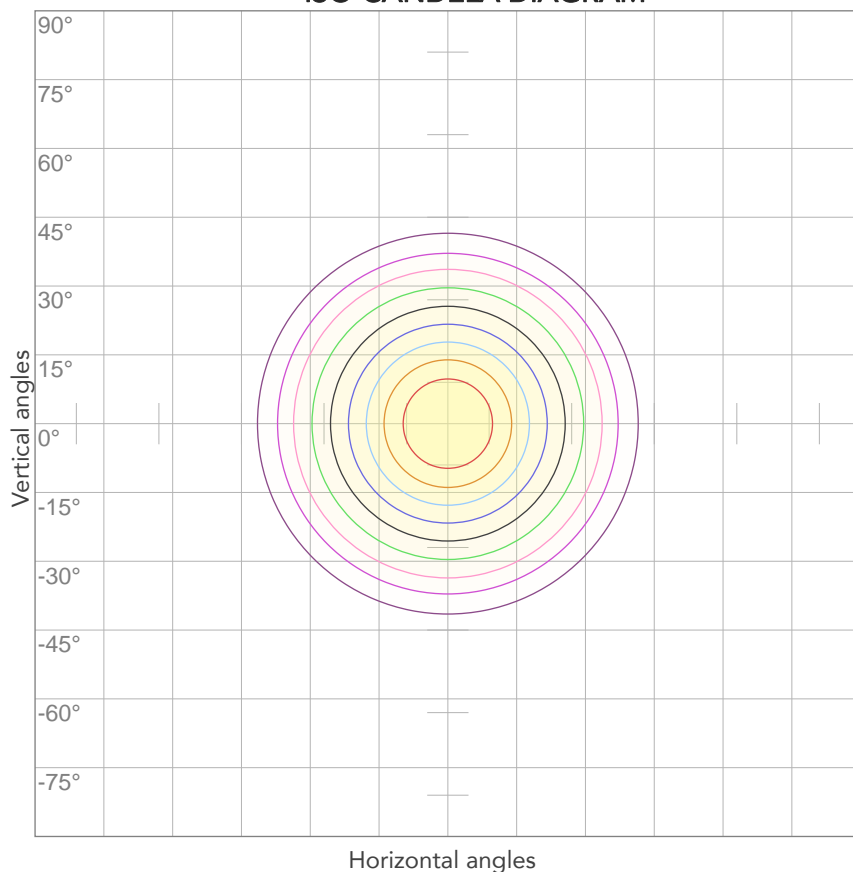
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,284A	55,6W	42lm/W
Power FC			
0,86			

## ISO CANDELA DIAGRAM



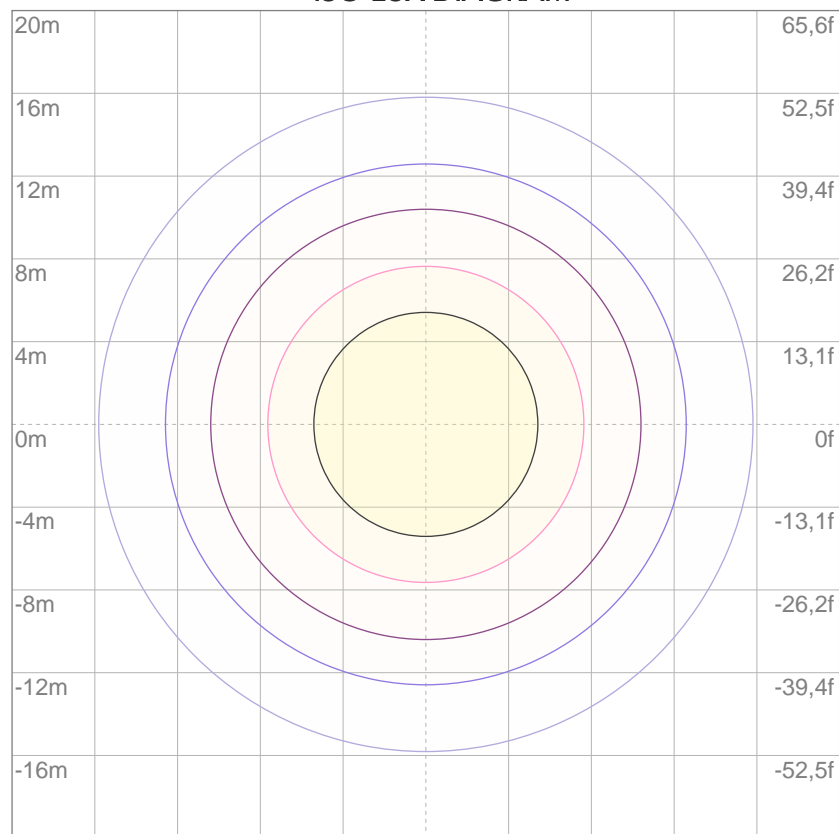
10%	244 cd
20%	487 cd
30%	731 cd
40%	974 cd
50%	1218 cd
60%	1462 cd
70%	1705 cd
80%	1949 cd

### Conditions:

Number of c-planes: 2

Candela at center: 2436 cd

## ISO LUX DIAGRAM



3%	0,731 lx
5%	1,22 lx
10%	2,44 lx
30%	7,31 lx
50%	12,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 24,4 lx

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





Total lumen output:

2159 lm

Peak candela output:

5044 cd

**PRODUCT NAME:**

STUDIOCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Medium Optic

Target:

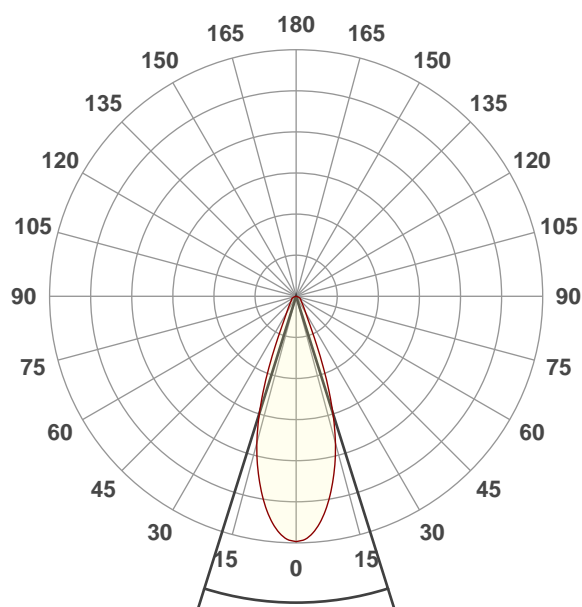
Green

Operator:

Paolo Carvone

Date and time:

26/04/2021 10:56:48

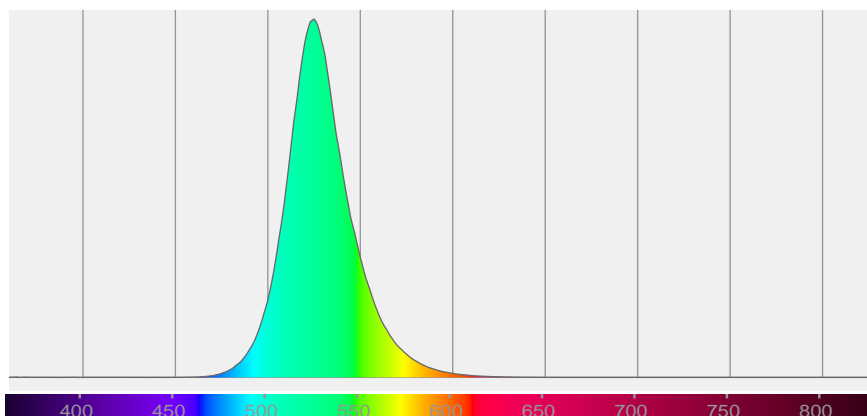


Beam angle 50%: 34,9°

Field angle 10%: 55,4°

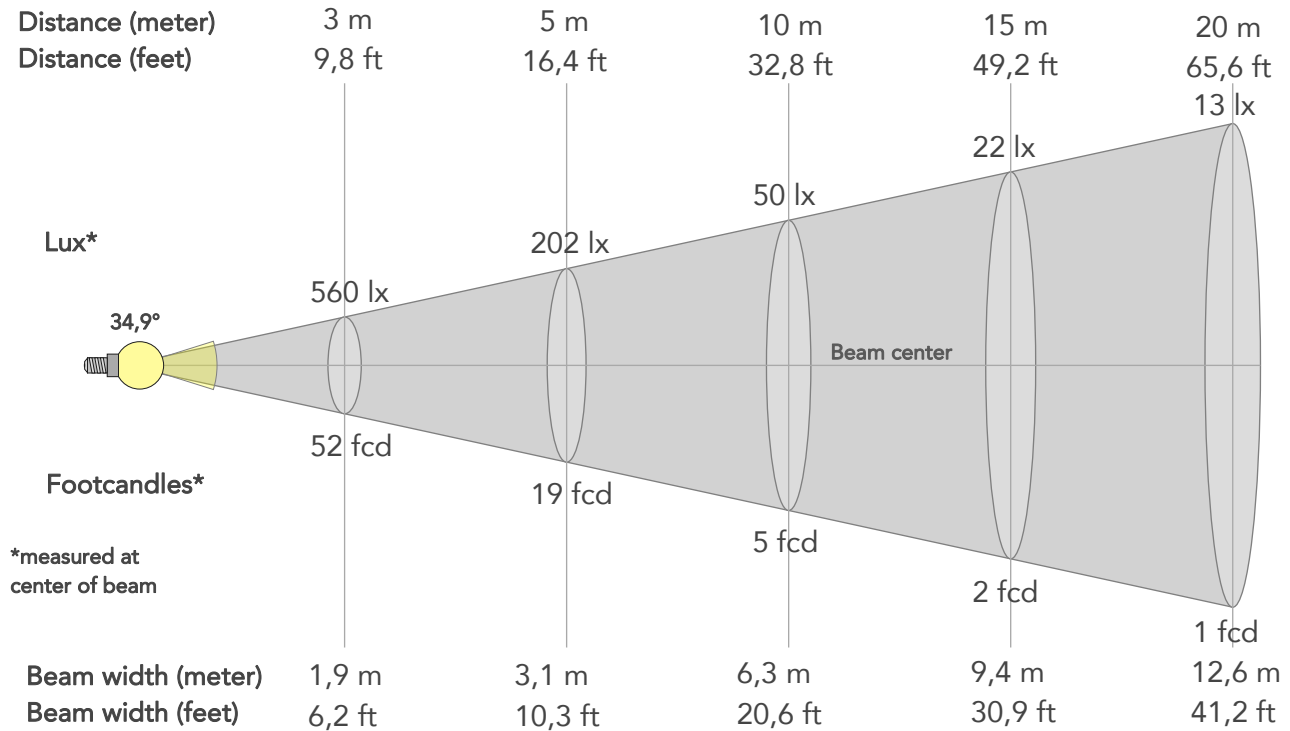
Cut off angle 2.5%: 102,8°

**Spectra**



## BEAM DETAILS

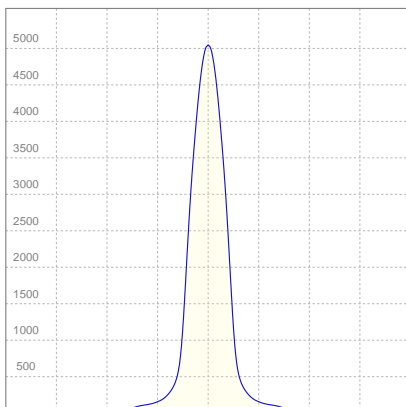
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34,9°	55,4°	102,8°	94,9%	87,4%



### 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	5044lx	1261lx	560lx	315lx	202lx	90lx	50lx	22lx	13lx	8lx	6lx	3lx	2lx
Footcand.	469fcd	117fcd	52fcd	29fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,3m	1,9m	2,5m	3,1m	4,7m	6,3m	9,4m	12,6m	15,7m	18,8m	25,1m	31,4m
Beam wid.	2,1ft	4,1ft	6,2ft	8,2ft	10,3ft	15,5ft	20,6ft	30,9ft	41,2ft	51,5ft	61,8ft	82,4ft	103ft

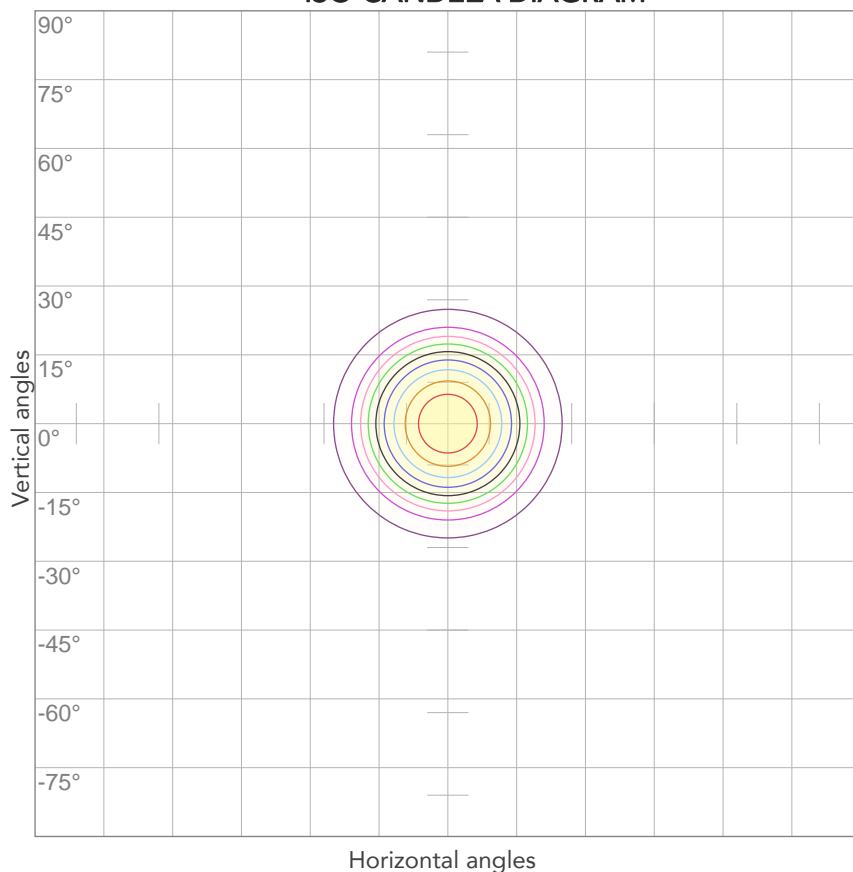
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,287A	56,1W	38lm/W
Power FC			
0,86			

## ISO CANDELA DIAGRAM



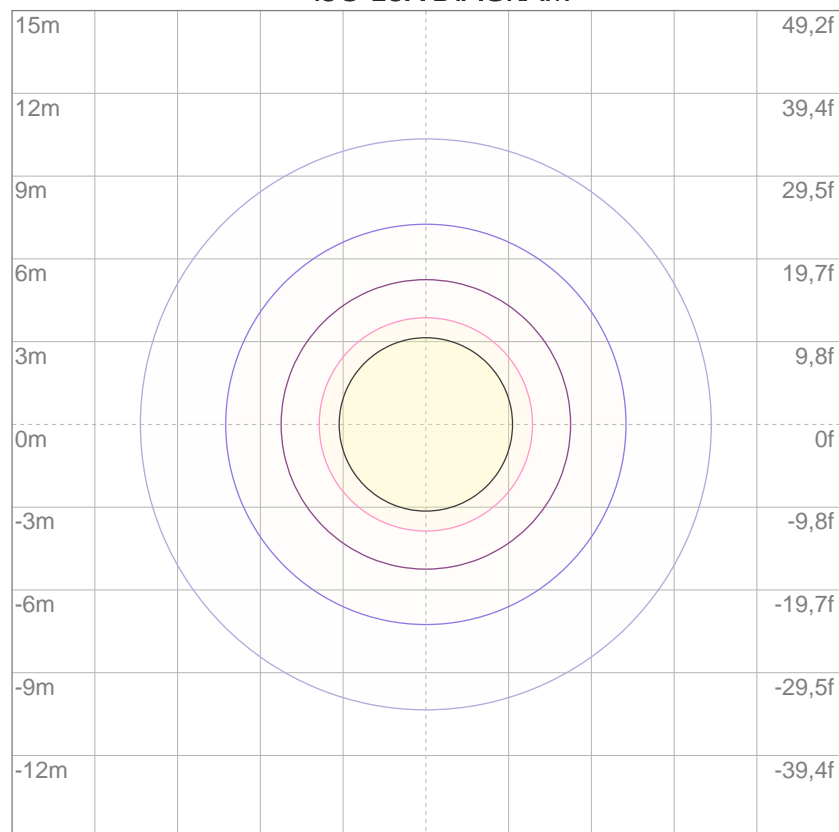
10%	504 cd
20%	1009 cd
30%	1513 cd
40%	2017 cd
50%	2522 cd
60%	3026 cd
70%	3530 cd
80%	4035 cd

### Conditions:

Number of c-planes: 2

Candela at center: 5044 cd

## ISO LUX DIAGRAM



3%	1,51 lx
5%	2,52 lx
10%	5,04 lx
30%	15,1 lx
50%	25,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 50,4 lx

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



Total lumen output:

1899 lm

Peak candela output:

6117 cd

**PRODUCT NAME:**  
STUDIOCOBFC

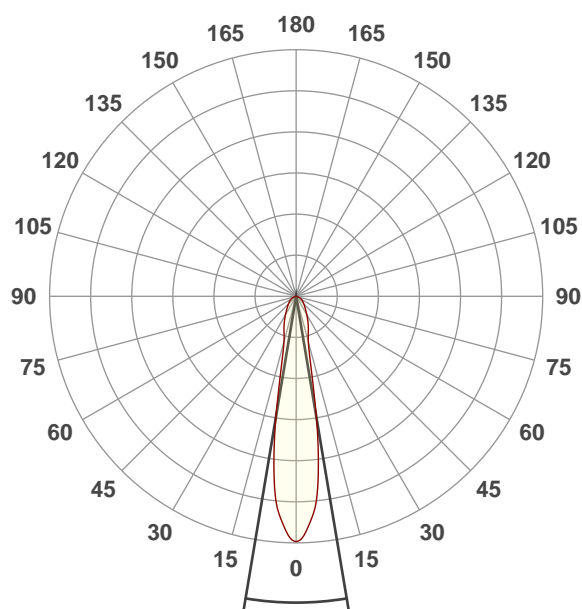
**MEASURAMENT CONDITIONS:**

Beam angle:  
Narrow Optic

Target:  
Green

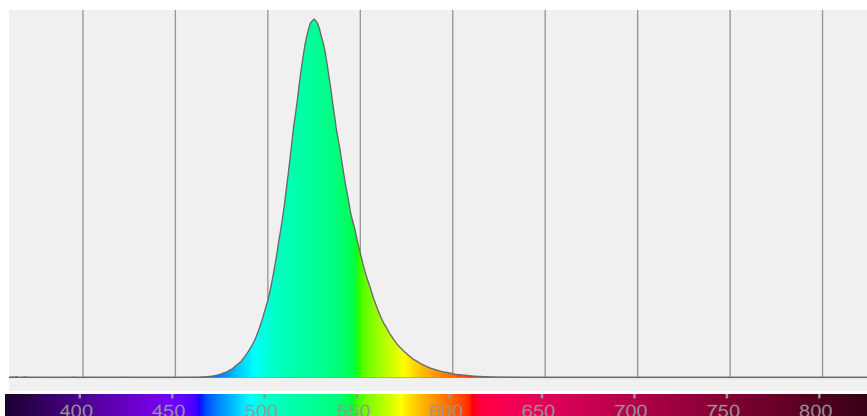
Operator:  
Paolo Carvone

Date and time:  
26/04/2021 11:12:33



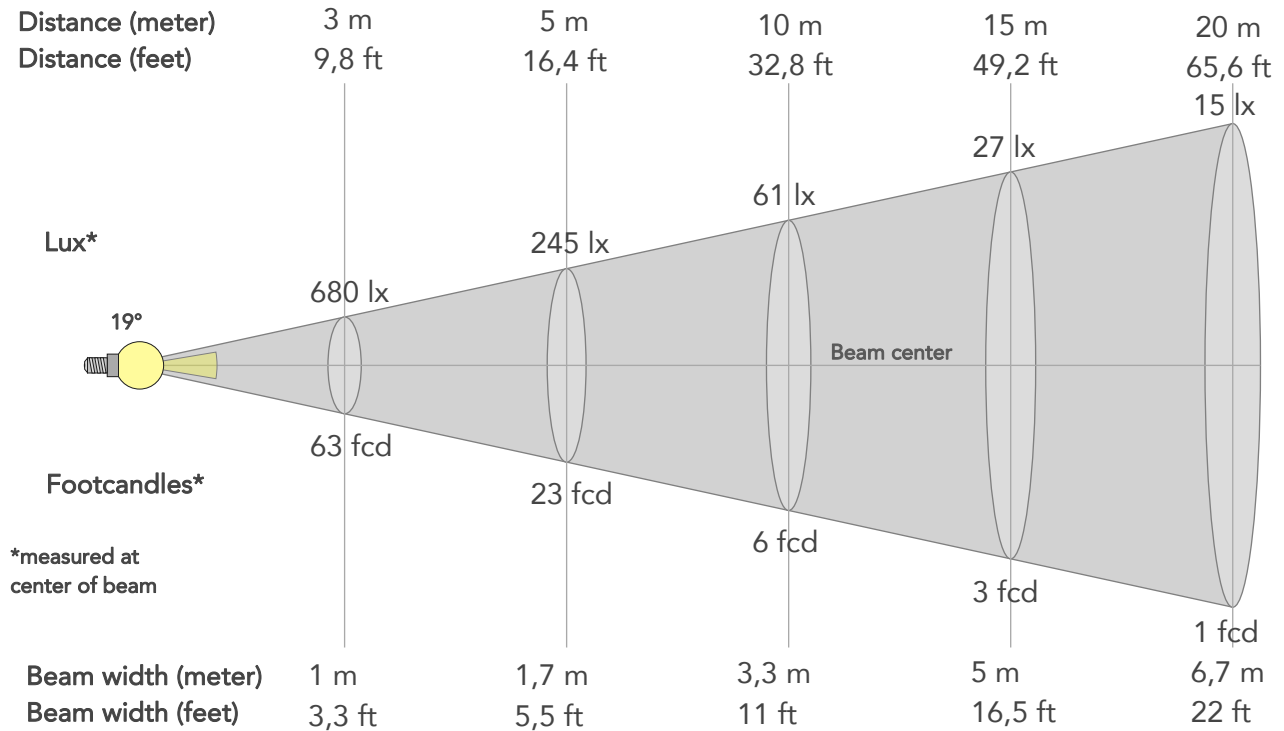
Beam angle 50%: 19°  
Field angle 10%: 54,8°  
Cut off angle 2.5%: 119,7°

Spectra



## BEAM DETAILS

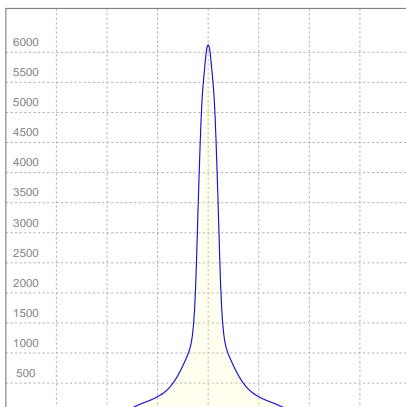
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19°	54,8°	119,7°	92,1%	77,9%



### 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	6117lx	1529lx	680lx	382lx	245lx	109lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	568fcd	142fcd	63fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,7m	8,4m	10m	13,4m	16,7m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,5ft	8,2ft	11ft	16,5ft	22ft	27,5ft	32,9ft	43,9ft	54,9ft

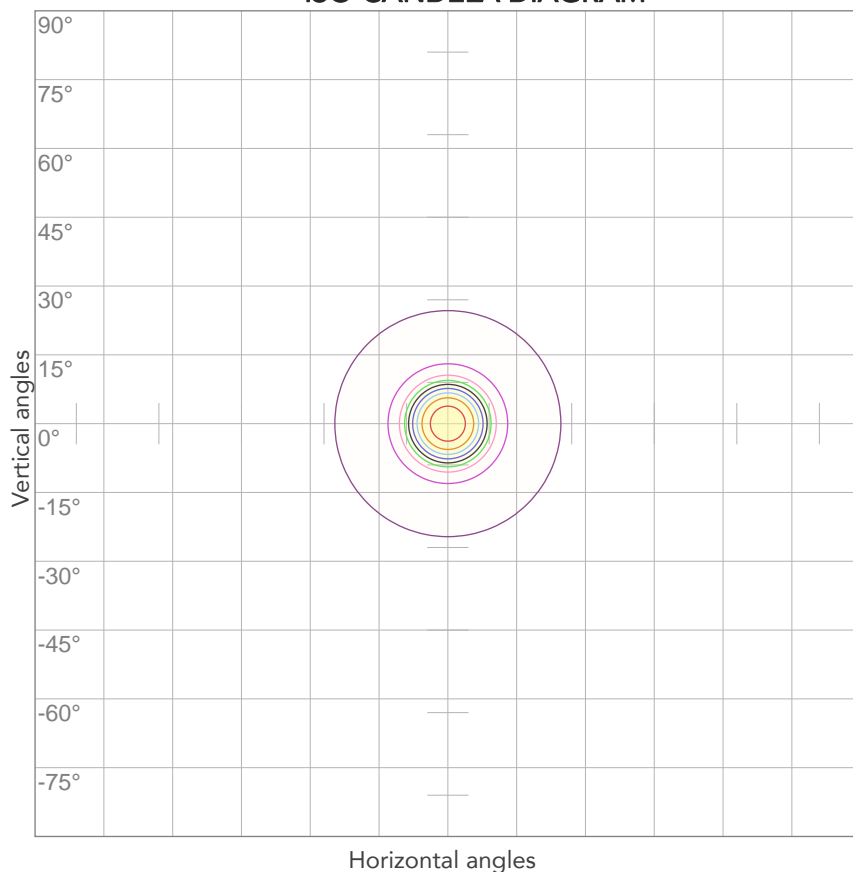
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,283A	55,5W	34lm/W
Power FC			
0,86			

## ISO CANDELA DIAGRAM



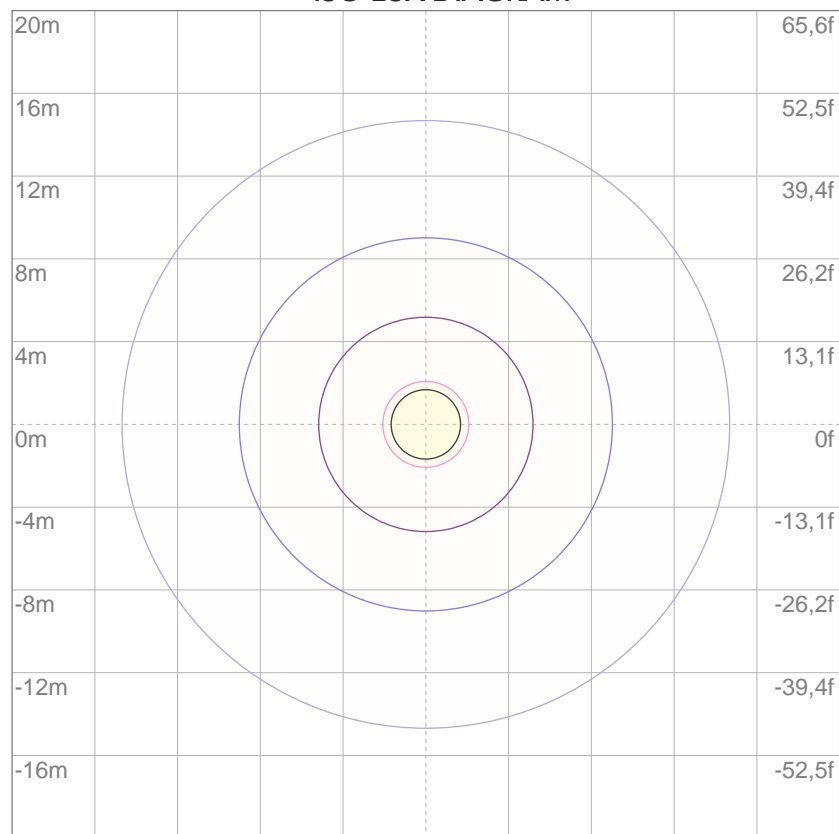
10%	612 cd
20%	1223 cd
30%	1835 cd
40%	2447 cd
50%	3059 cd
60%	3670 cd
70%	4282 cd
80%	4894 cd

### Conditions:

Number of c-planes: 2

Candela at center: 6117 cd

## ISO LUX DIAGRAM



3%	1,84 lx
5%	3,06 lx
10%	6,12 lx
30%	18,4 lx
50%	30,6 lx

### Conditions:

Number of c-planes: 2

Lux at center: 61,2 lx

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



Total lumen output:

578 lm

Peak candela output:

612 cd

**PRODUCT NAME:**

STUDIOCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Wide Optic

Target:

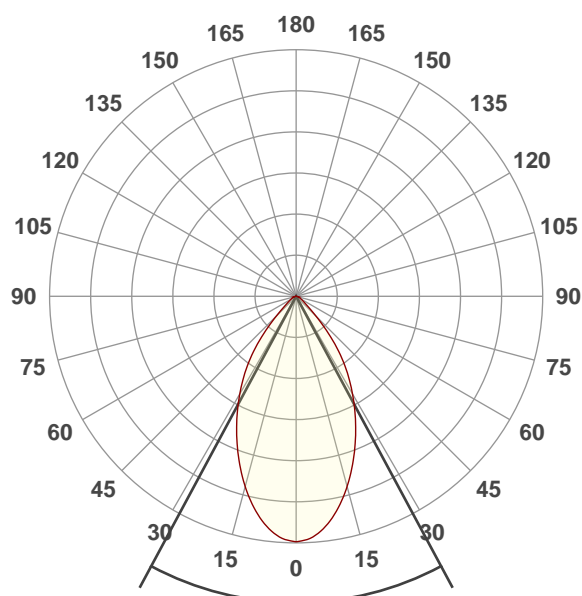
Blue

Operator:

Paolo Carvone

Date and time:

26/04/2021 11:32:05

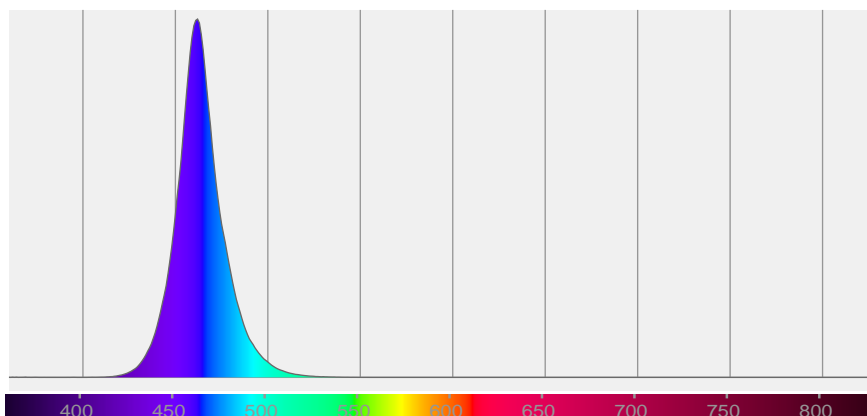


Beam angle 50%: 56,5°

Field angle 10%: 92°

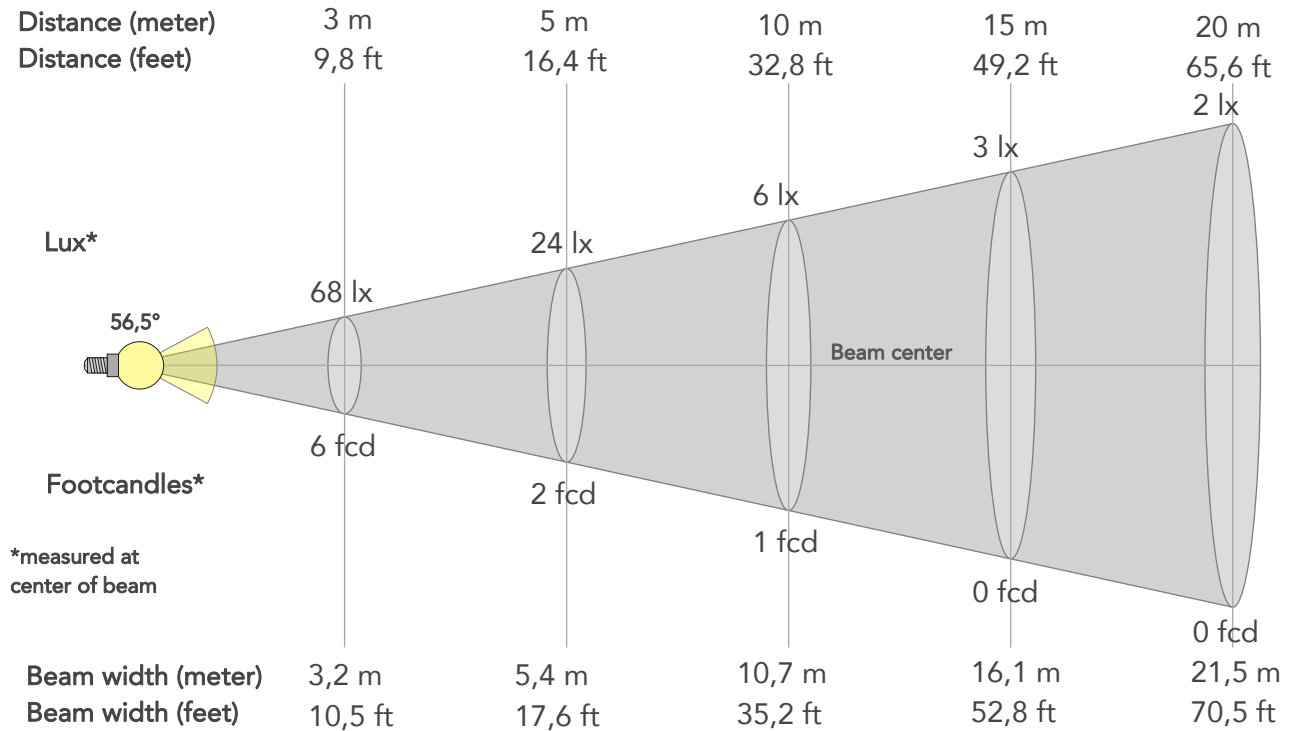
Cut off angle 2.5%: 119,8°

**Spectra**



## BEAM DETAILS

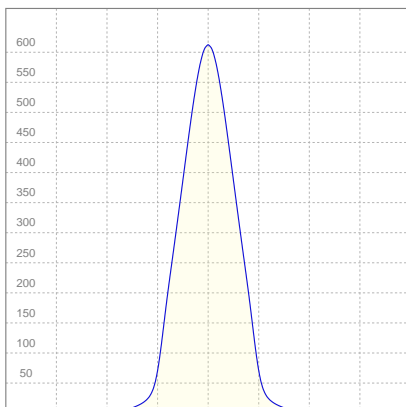
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,5°	92°	119,8°	97,3%	90,3%



### 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	612lx	153lx	68lx	38lx	24lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	57fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,4m	8,1m	10,7m	16,1m	21,5m	26,9m	32,2m	43m	53,7m
Beam wid.	3,5ft	7,1ft	10,5ft	14,1ft	17,6ft	26,4ft	35,2ft	52,8ft	70,5ft	88,1ft	105,7ft	140,9ft	176,2ft

### LINEAR DISTRIBUTION DIAGRAM



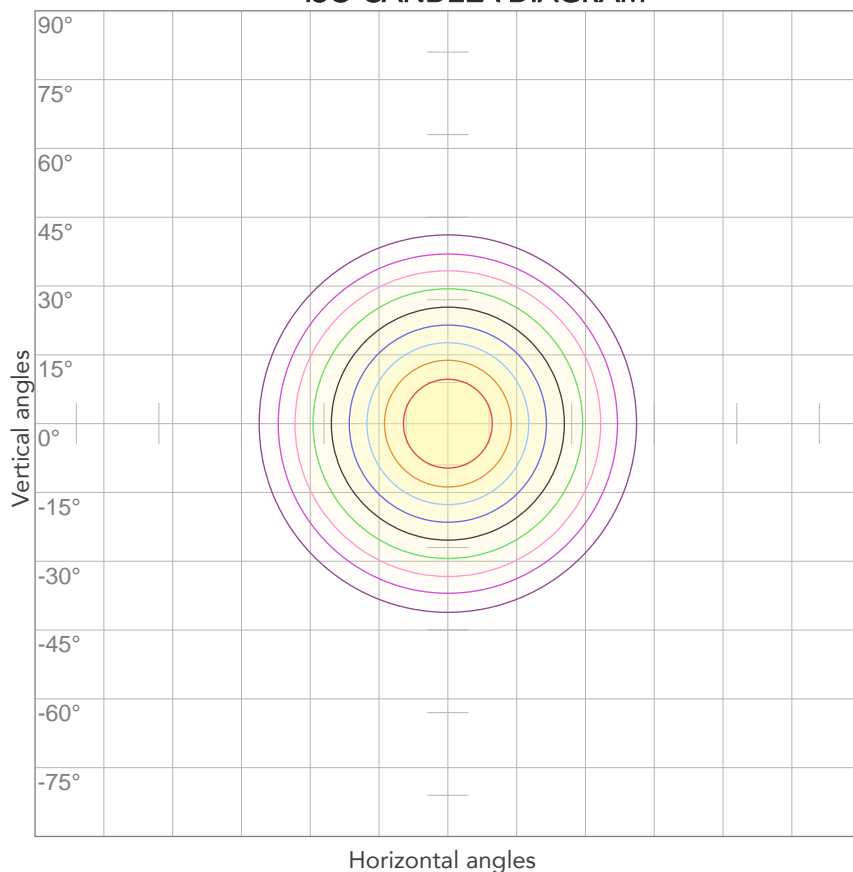
### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,300A	59,5W	10lm/W

Power FC
0,87



## ISO CANDELA DIAGRAM



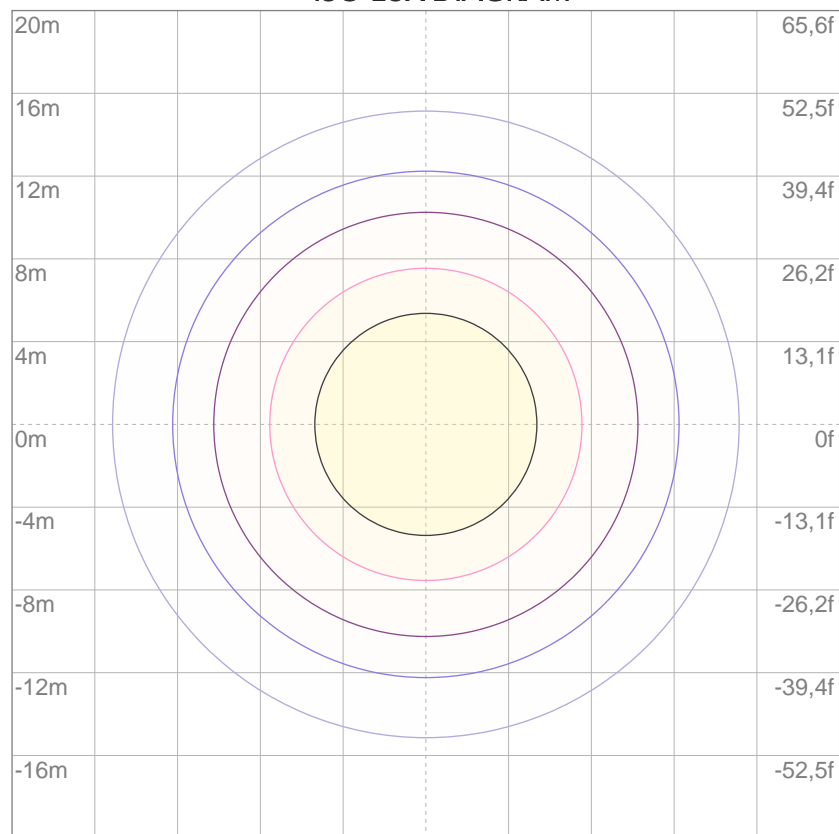
10%	61 cd
20%	122 cd
30%	184 cd
40%	245 cd
50%	306 cd
60%	367 cd
70%	428 cd
80%	489 cd

### Conditions:

Number of c-planes: 2

Candela at center: 612 cd

## ISO LUX DIAGRAM



3%	0,184 lx
5%	0,306 lx
10%	0,612 lx
30%	1,84 lx
50%	3,06 lx

### Conditions:

Number of c-planes: 2

Lux at center: 6,12 lx

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



Total lumen output:

527 lm

Peak candela output:

1264 cd

**PRODUCT NAME:**

STUDIOCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Medium Optic

Target:

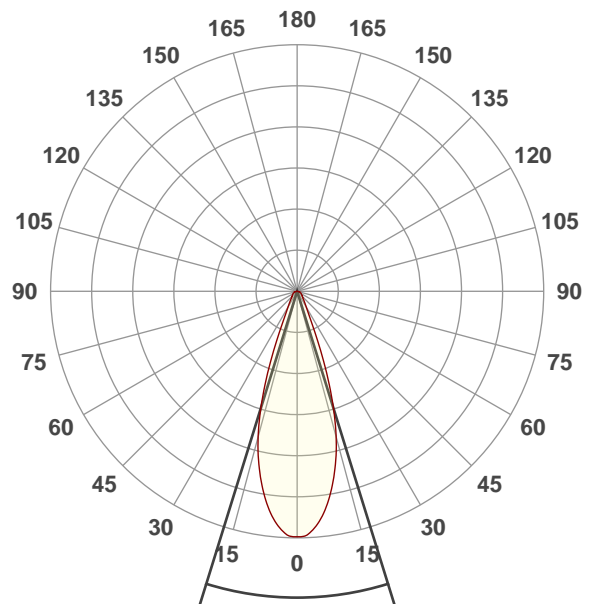
Blue

Operator:

Paolo Carvone

Date and time:

26/04/2021 10:58:22

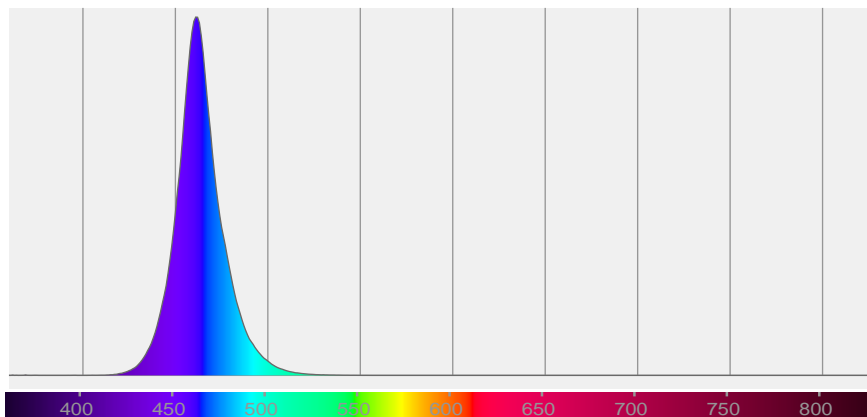


Beam angle 50%: 34,5°

Field angle 10%: 54,5°

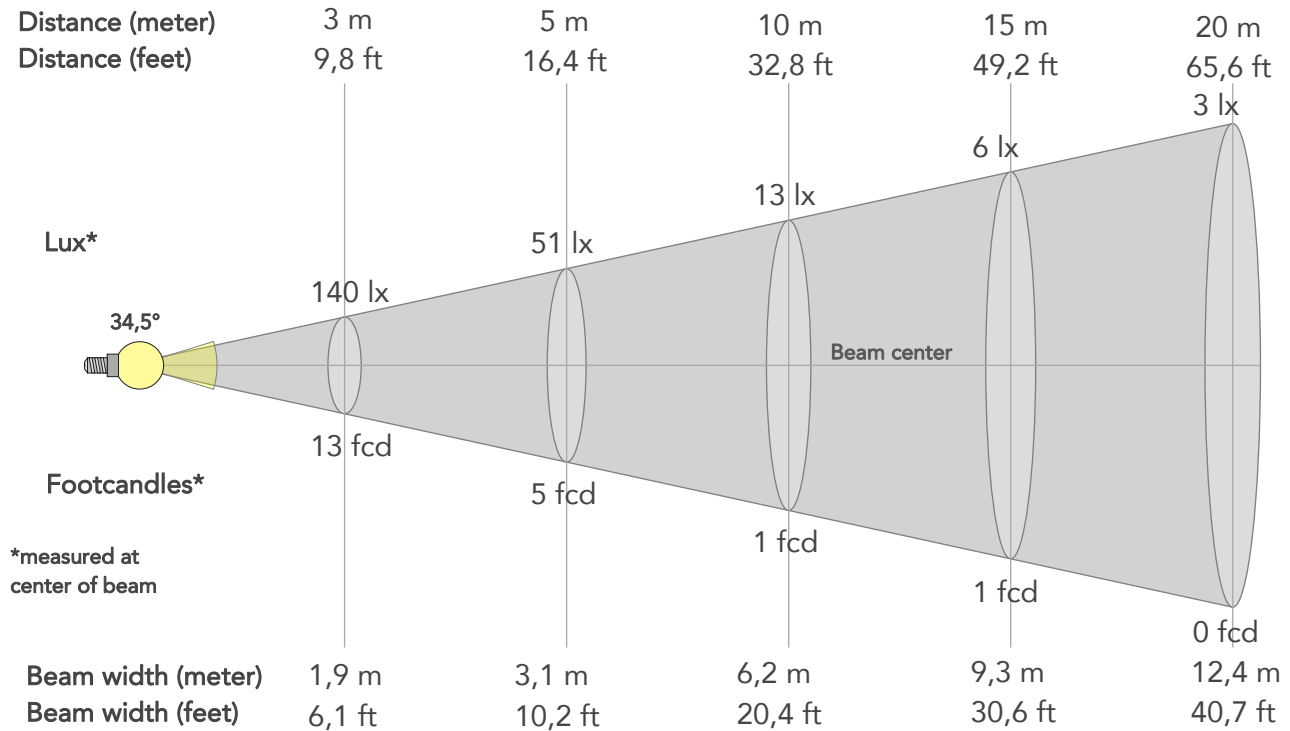
Cut off angle 2.5%: 99,5°

**Spectra**



## BEAM DETAILS

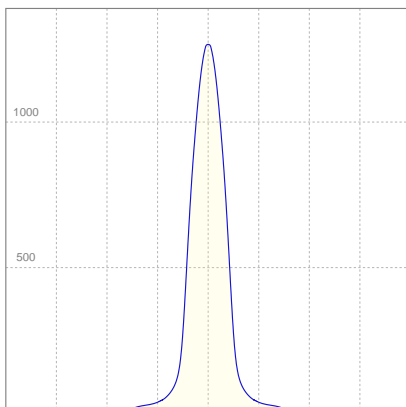
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34,5°	54,5°	99,5°	95,1%	87,8%



### 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	1264lx	316lx	140lx	79lx	51lx	22lx	13lx	6lx	3lx	2lx	1lx	1lx	1lx
Footcand.	117fcd	29fcd	13fcd	7fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,9m	2,5m	3,1m	4,7m	6,2m	9,3m	12,4m	15,5m	18,6m	24,8m	31,1m
Beam wid.	2ft	4,1ft	6,1ft	8,1ft	10,2ft	15,3ft	20,4ft	30,6ft	40,7ft	50,9ft	61,1ft	81,5ft	101,9ft

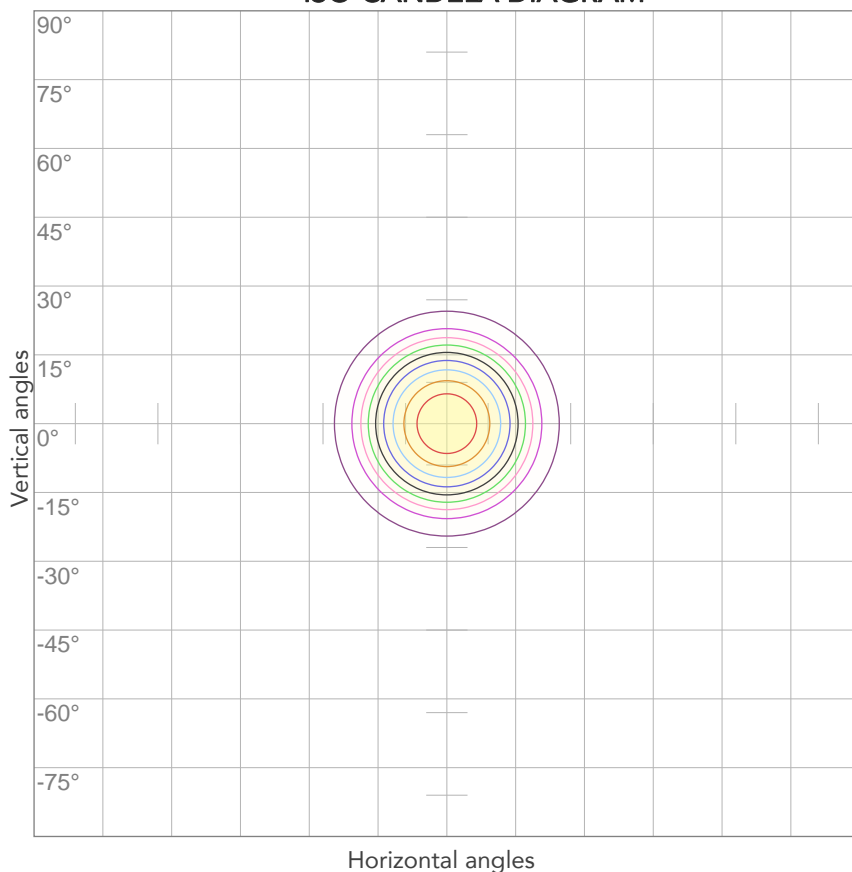
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,303A	60,0W	9lm/W
Power FC			
0,87			

## ISO CANDELA DIAGRAM



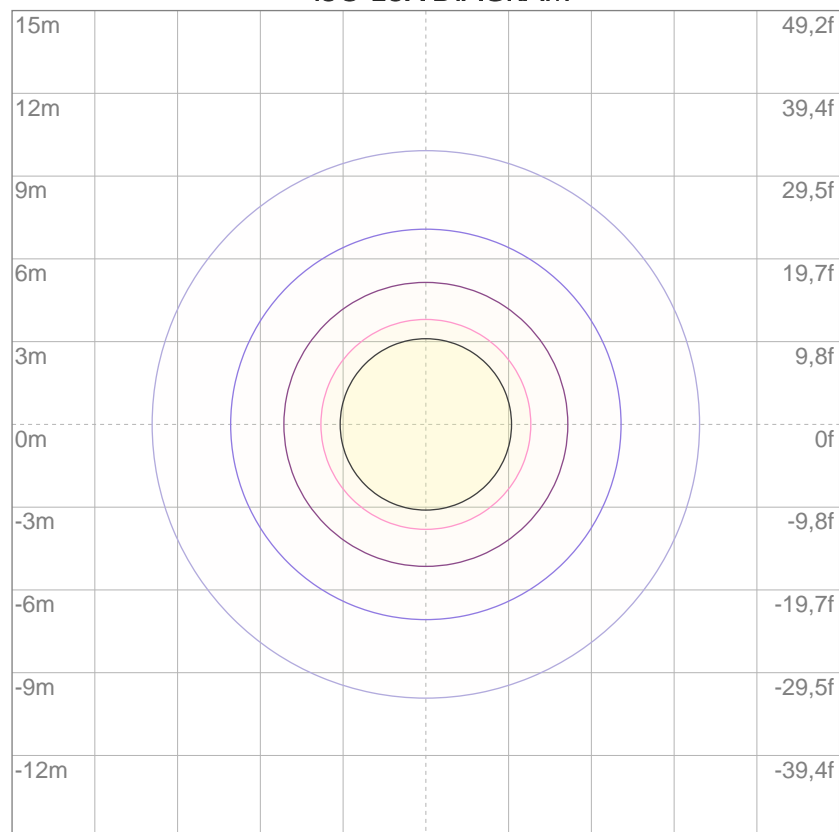
10%	126 cd
20%	253 cd
30%	379 cd
40%	506 cd
50%	632 cd
60%	758 cd
70%	885 cd
80%	1011 cd

### Conditions:

Number of c-planes: 2

Candela at center: 1264 cd

## ISO LUX DIAGRAM



3%	0,379 lx
5%	0,632 lx
10%	1,26 lx
30%	3,79 lx
50%	6,32 lx

### Conditions:

Number of c-planes: 2

Lux at center: 12,6 lx

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



Total lumen output:

456 lm

Peak candela output:

1524 cd

**PRODUCT NAME:**

STUDIOCOBFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Narrow Optic

Target:

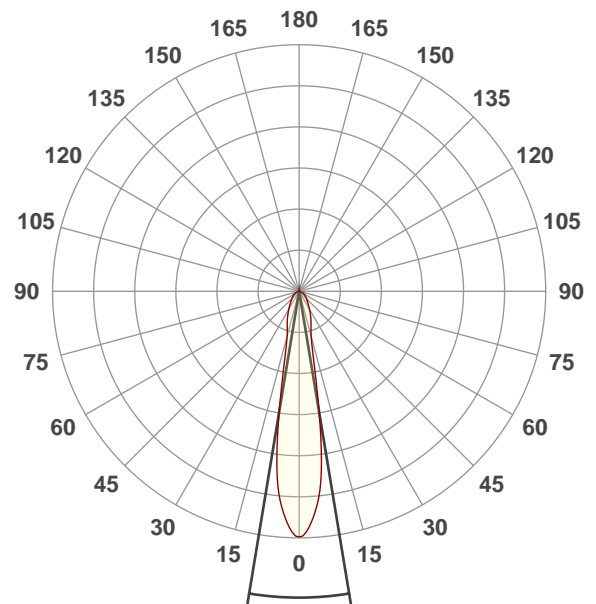
Blue

Operator:

Paolo Carvone

Date and time:

26/04/2021 11:15:22

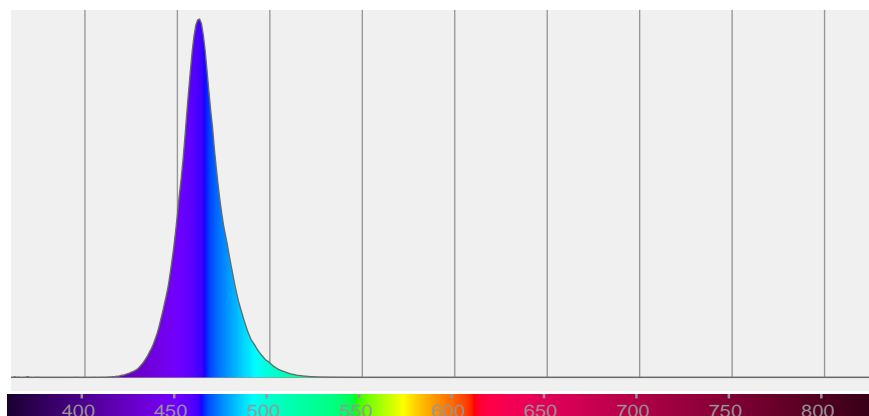


Beam angle 50%: 18,8°

Field angle 10%: 53,7°

Cut off angle 2.5%: 116,1°

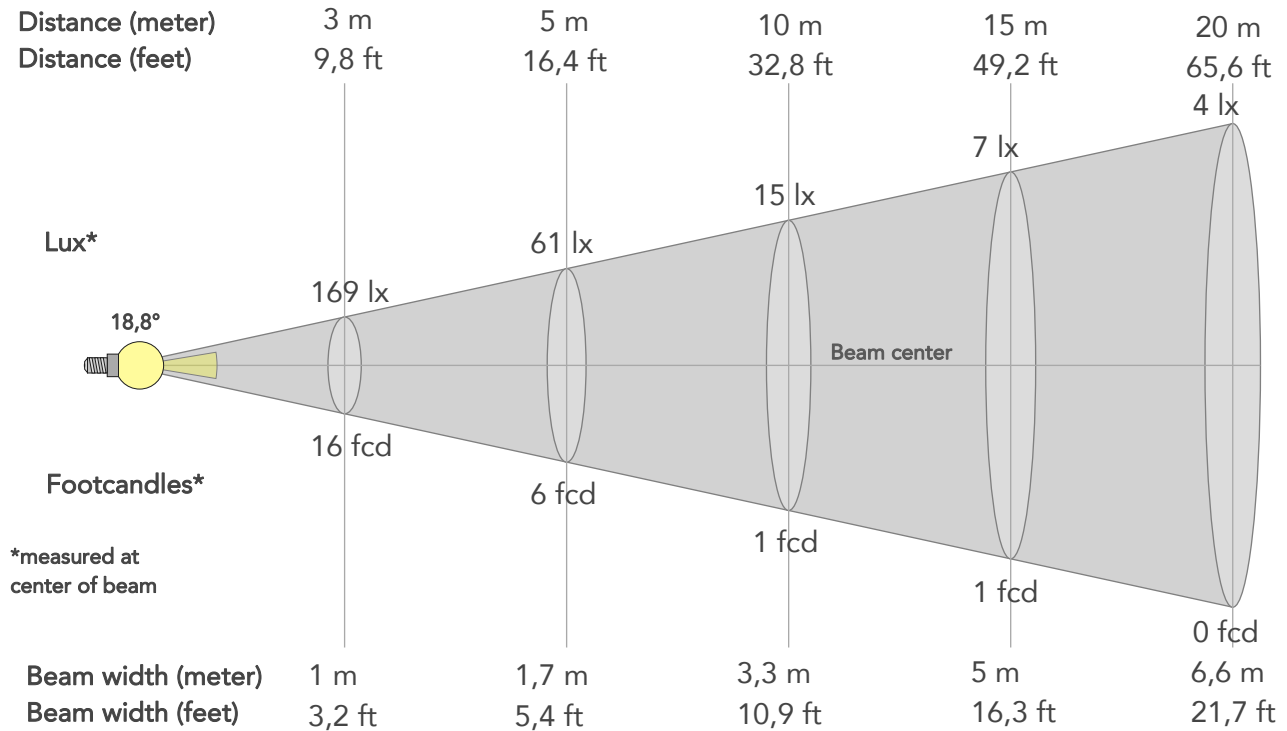
**Spectra**



# BEAM DETAILS



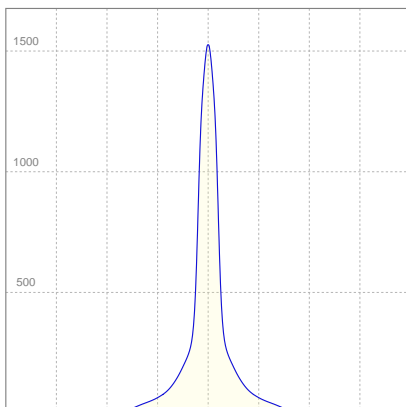
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,8°	53,7°	116,1°	92,7%	79,0%



## 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	1524lx	381lx	169lx	95lx	61lx	27lx	15lx	7lx	4lx	2lx	2lx	1lx	1lx
Footcand.	142fcd	35fcd	16fcd	9fcd	6fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,6m	8,3m	9,9m	13,2m	16,5m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,9ft	16,3ft	21,7ft	27,1ft	32,6ft	43,4ft	54,3ft

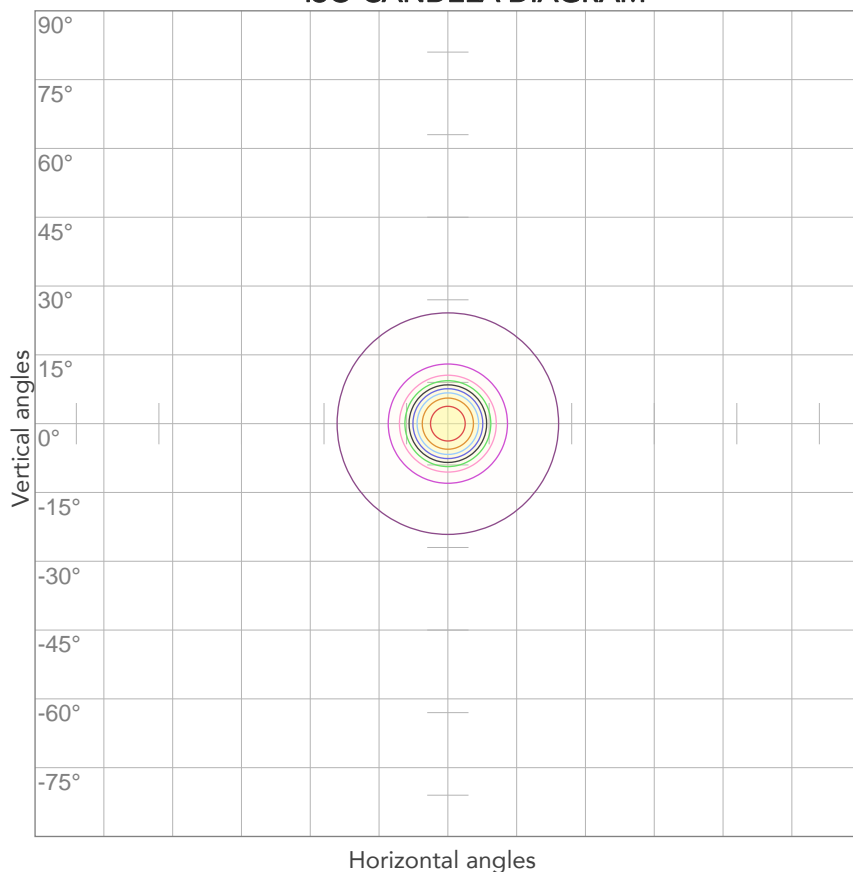
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,301A	59,6W	8lm/W
Power FC			
0,87			

## ISO CANDELA DIAGRAM



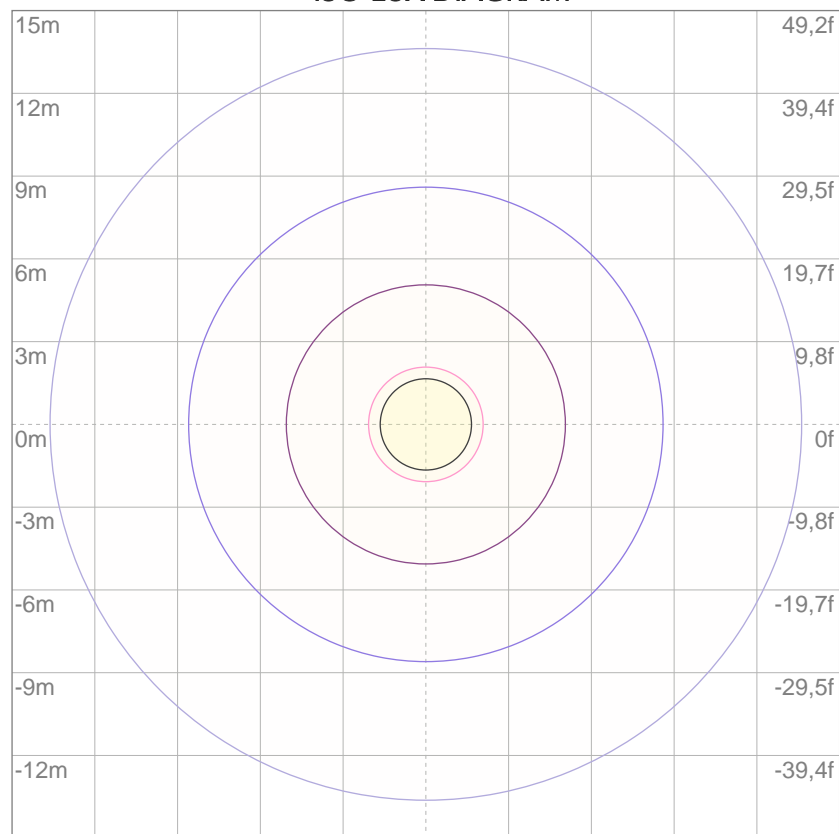
10%	152 cd
20%	305 cd
30%	457 cd
40%	610 cd
50%	762 cd
60%	914 cd
70%	1067 cd
80%	1219 cd

### Conditions:

Number of c-planes: 2

Candela at center: 1524 cd

## ISO LUX DIAGRAM



3%	0,457 lx
5%	0,762 lx
10%	1,52 lx
30%	4,57 lx
50%	7,62 lx

### Conditions:

Number of c-planes: 2

Lux at center: 15,2 lx

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