

Photometric Test Report



ARCSHINE6FC

6 x 8 W RGBW / FC outdoor

IP66 linear fixture with pixel control

CONTENTS

Table of contents	2
Testing process	3
Color preset Full on	
Beam angle 15°	4
Beam angle 25°	7
Beam angle 45°	10
Color preset Red	
Beam angle 15°	13
Beam angle 25°	16
Beam angle 45°	19
Color preset Green	
Beam angle 15°	22
Beam angle 25°	25
Beam angle 45°	28
Color preset Blue	
Beam angle 15°	31
Beam angle 25°	34
Beam angle 45°	37
Color preset White	
Beam angle 15°	40
Beam angle 25°	43
Beam angle 45°	46

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:

1621 lm

Peak candela output:

17612 cd



PRODUCT NAME:

ARCSHINE6

MEASURAMENT CONDITIONS:

Beam angle:

15°

Target:

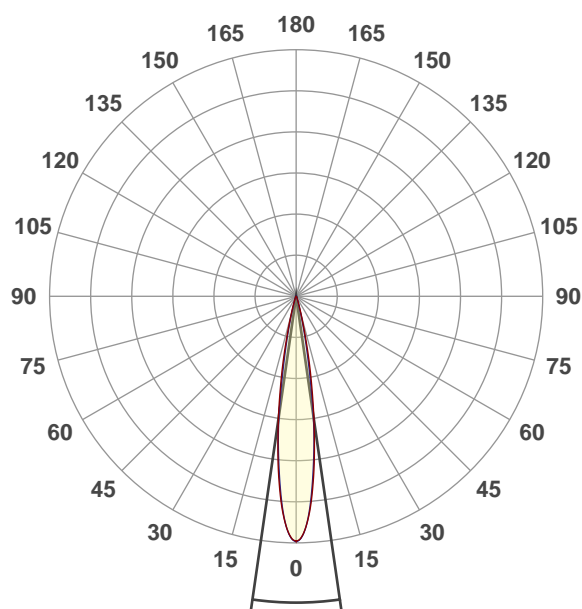
Full on

Operator:

Paolo Carvone

Date and time:

10/08/2020 12:07:54

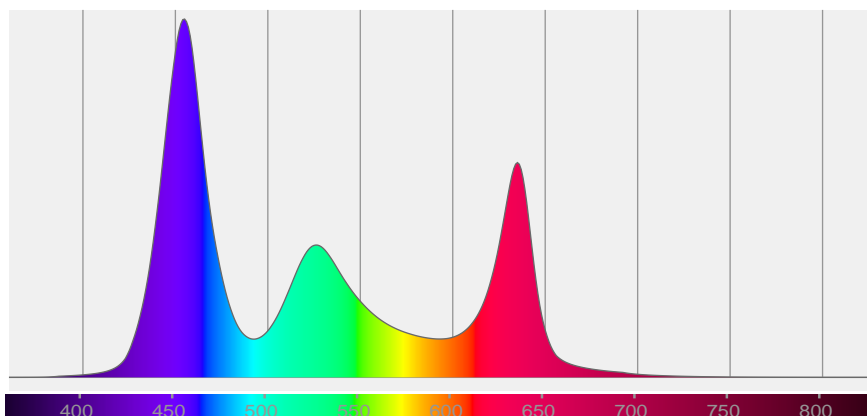


Beam angle 50%: 16,4°

Field angle 10%: 28,3°

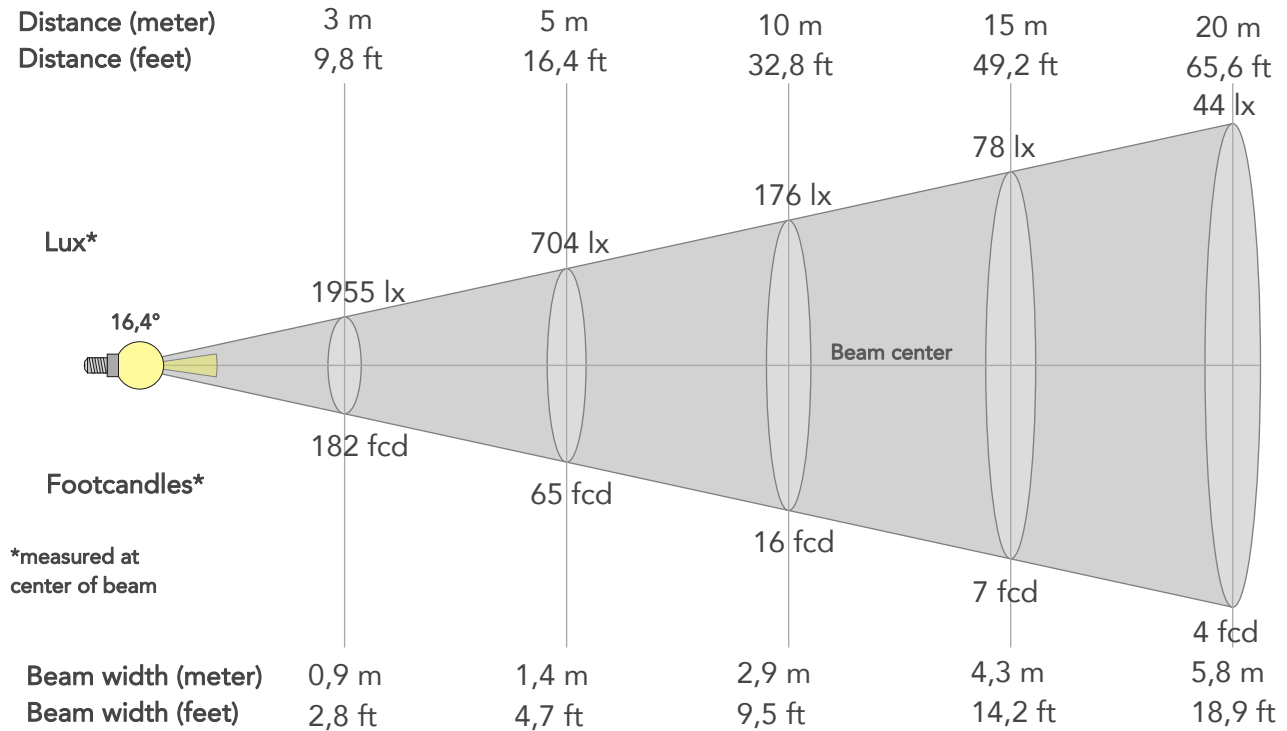
Cut off angle 2.5%: 37,7°

Spectra



BEAM DETAILS

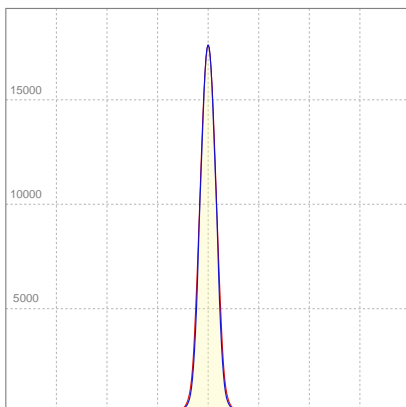
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,4°	28,3°	37,7°	100,0%	99,6%



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	17596lx	4399lx	1955lx	1100lx	704lx	313lx	176lx	78lx	44lx	28lx	20lx	11lx	7lx
Footcand.	1635fcd	409fcd	182fcd	102fcd	65fcd	29fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,4m	2,2m	2,9m	4,3m	5,8m	7,2m	8,6m	11,5m	14,4m
Beam wid.	1ft	1,9ft	2,8ft	3,8ft	4,7ft	7,1ft	9,5ft	14,2ft	18,9ft	23,6ft	28,4ft	37,8ft	47,3ft

LINEAR DISTRIBUTION DIAGRAM

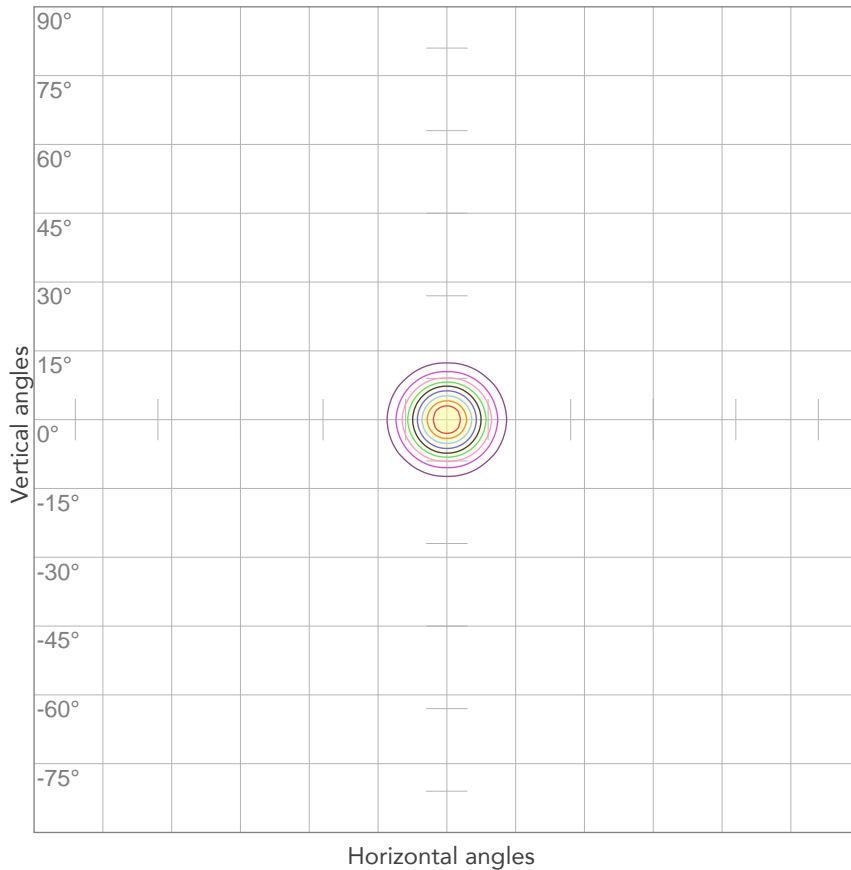


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,248A	52,5W	31lm/W
Power FC			
0,94			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



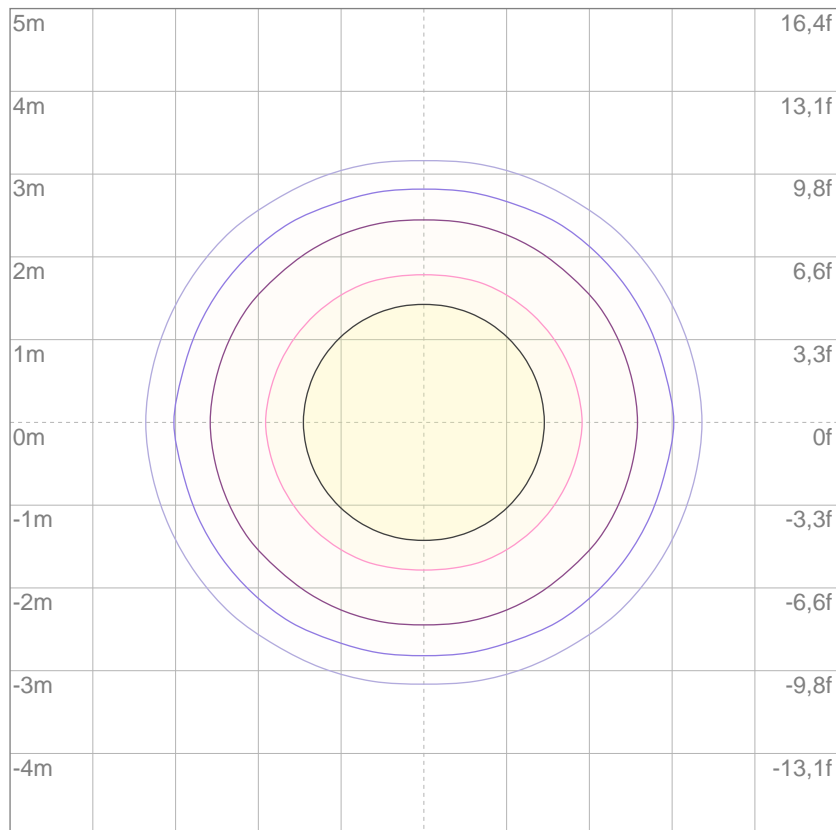
10%	1760 cd
20%	3519 cd
30%	5279 cd
40%	7038 cd
50%	8798 cd
60%	10557 cd
70%	12317 cd
80%	14076 cd

Conditions:

Number of c-planes: 4

Candela at center: 17596 cd

ISO LUX DIAGRAM



3%	5,28 lx
5%	8,80 lx
10%	17,6 lx
30%	52,8 lx
50%	88,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 176 lx

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

Total lumen output:

1570 lm

Peak candela output:

9671 cd



PRODUCT NAME:

ARCSHINE6

MEASUREMENT CONDITIONS:

Beam angle:

25°

Target:

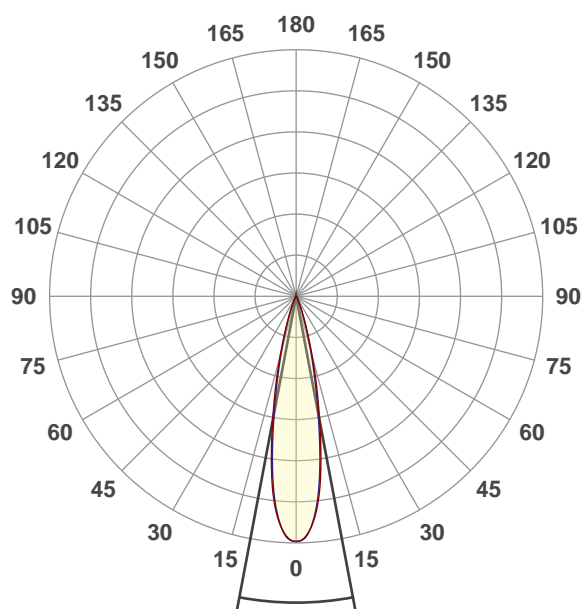
Full on

Operator:

Paolo Carvone

Date and time:

10/08/2020 14:38:15

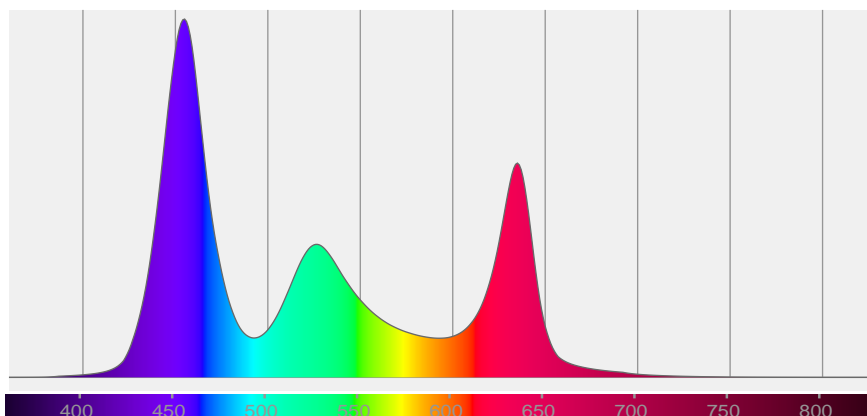


Beam angle 50%: 21,4°

Field angle 10%: 38°

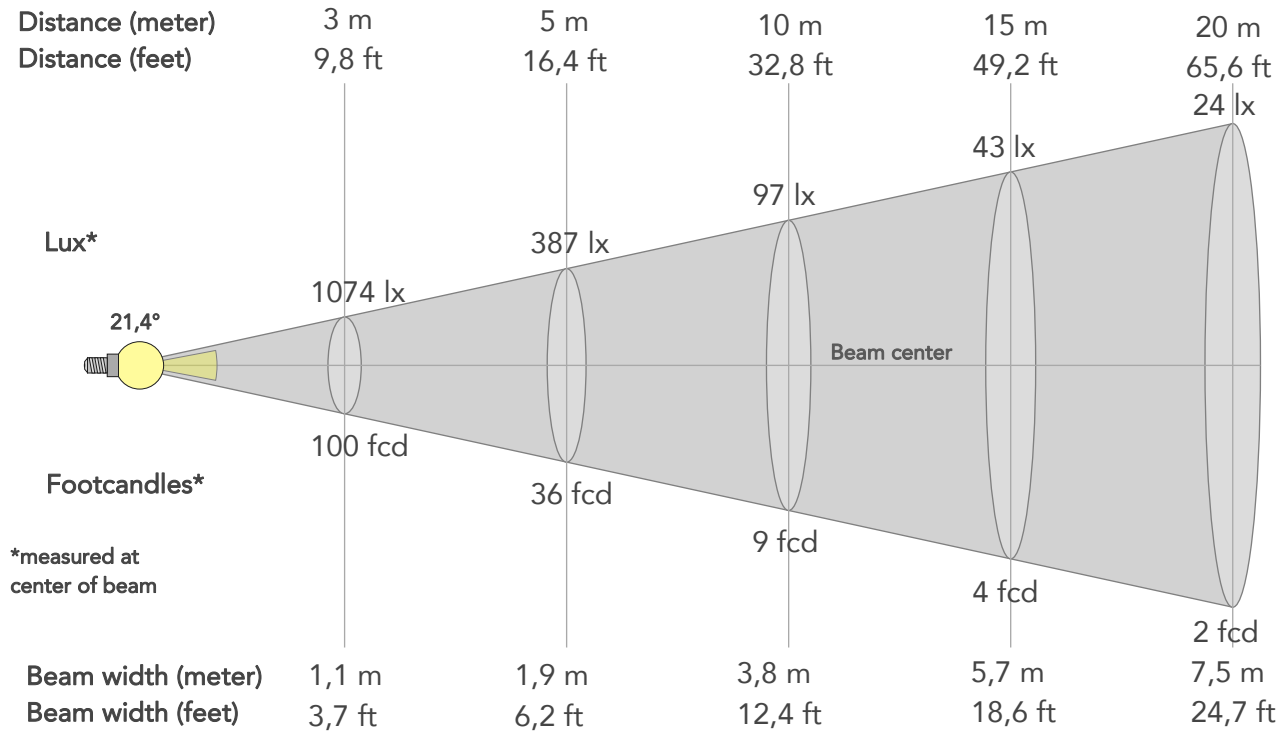
Cut off angle 2.5%: 50°

Spectra



BEAM DETAILS

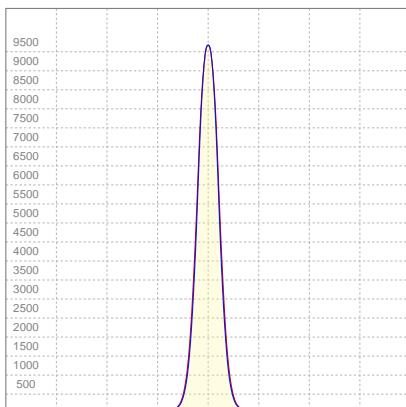
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,4°	38°	50°	99,8%	98,9%



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	9667lx	2417lx	1074lx	604lx	387lx	172lx	97lx	43lx	24lx	15lx	11lx	6lx	4lx
Footcand.	898fcd	225fcd	100fcd	56fcd	36fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,5m	9,4m	11,3m	15,1m	18,9m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,2ft	9,3ft	12,4ft	18,6ft	24,7ft	30,9ft	37,1ft	49,5ft	61,9ft

LINEAR DISTRIBUTION DIAGRAM

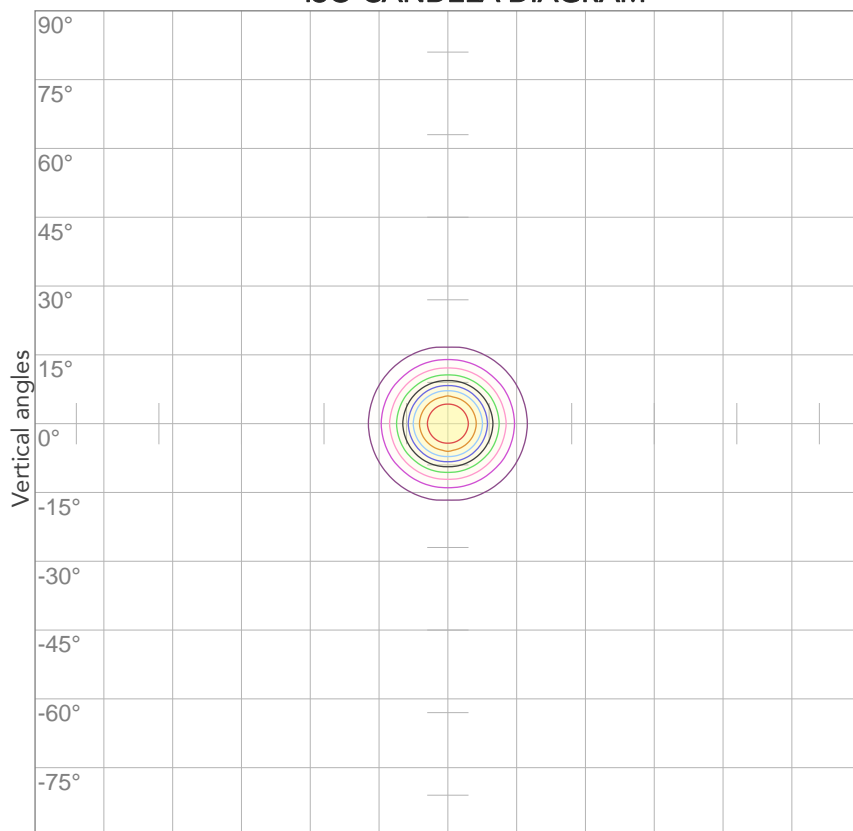


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,247A	52,5W	30lm/W
Power FC			
0,94			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



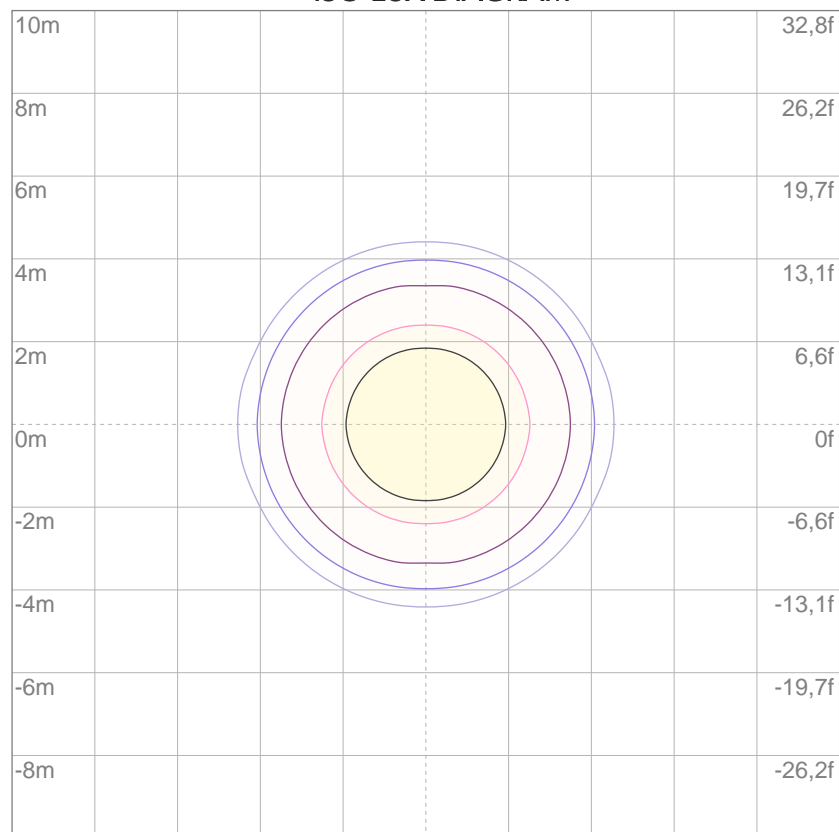
10%	967 cd
20%	1933 cd
30%	2900 cd
40%	3867 cd
50%	4833 cd
60%	5800 cd
70%	6767 cd
80%	7733 cd

Conditions:

Number of c-planes: 4

Candela at center: 9667 cd

ISO LUX DIAGRAM



3%	2,90 lx
5%	4,83 lx
10%	9,67 lx
30%	29,0 lx
50%	48,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 96,7 lx

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

Total lumen output:

1466 lm

Peak candela output:

2385 cd



PRODUCT NAME:

ARCSHINE6

MEASUREMENT CONDITIONS:

Beam angle:

45°

Target:

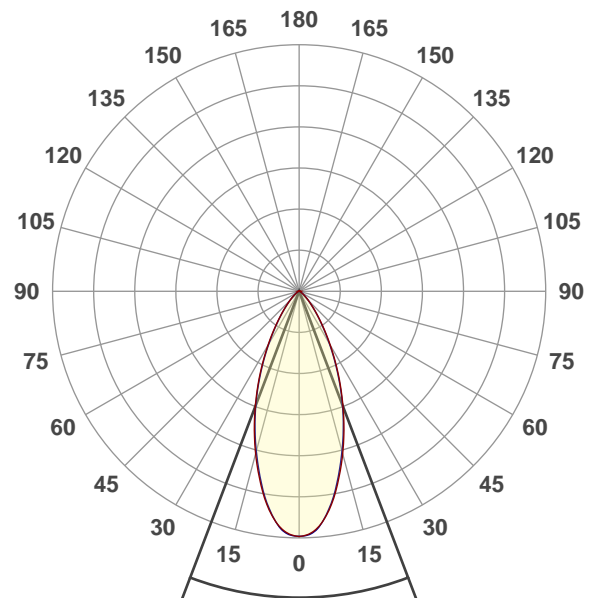
Full on

Operator:

Paolo Carvone

Date and time:

10/08/2020 15:11:08

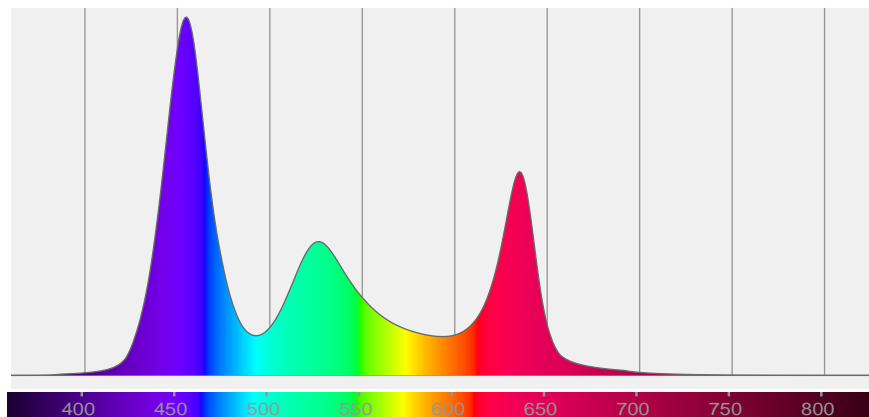


Beam angle 50%: 41,7°

Field angle 10%: 78,5°

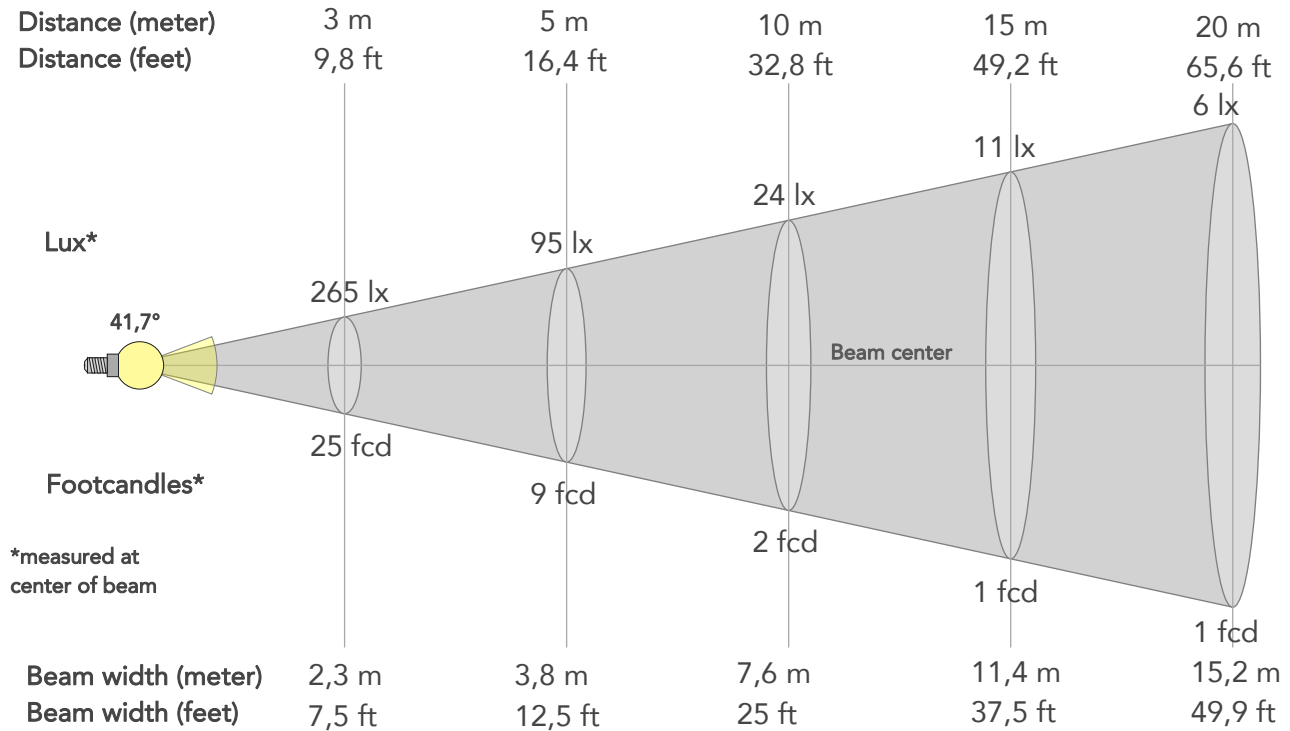
Cut off angle 2.5%: 104,4°

Spectra



BEAM DETAILS

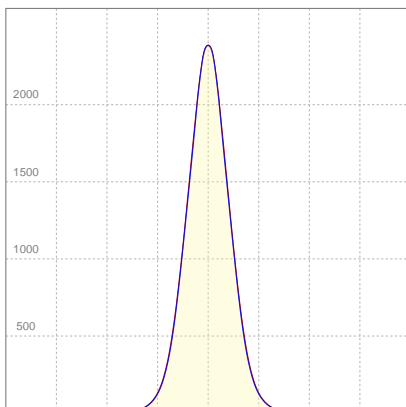
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,7°	78,5°	104,4°	98,7%	93,2%



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	2384lx	596lx	265lx	149lx	95lx	42lx	24lx	11lx	6lx	4lx	3lx	1lx	1lx
Footcand.	221fcd	55fcd	25fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,7m	7,6m	11,4m	15,2m	19m	22,8m	30,5m	38,1m
Beam wid.	2,5ft	5ft	7,5ft	10ft	12,5ft	18,7ft	25ft	37,5ft	49,9ft	62,4ft	74,9ft	99,9ft	124,9ft

LINEAR DISTRIBUTION DIAGRAM

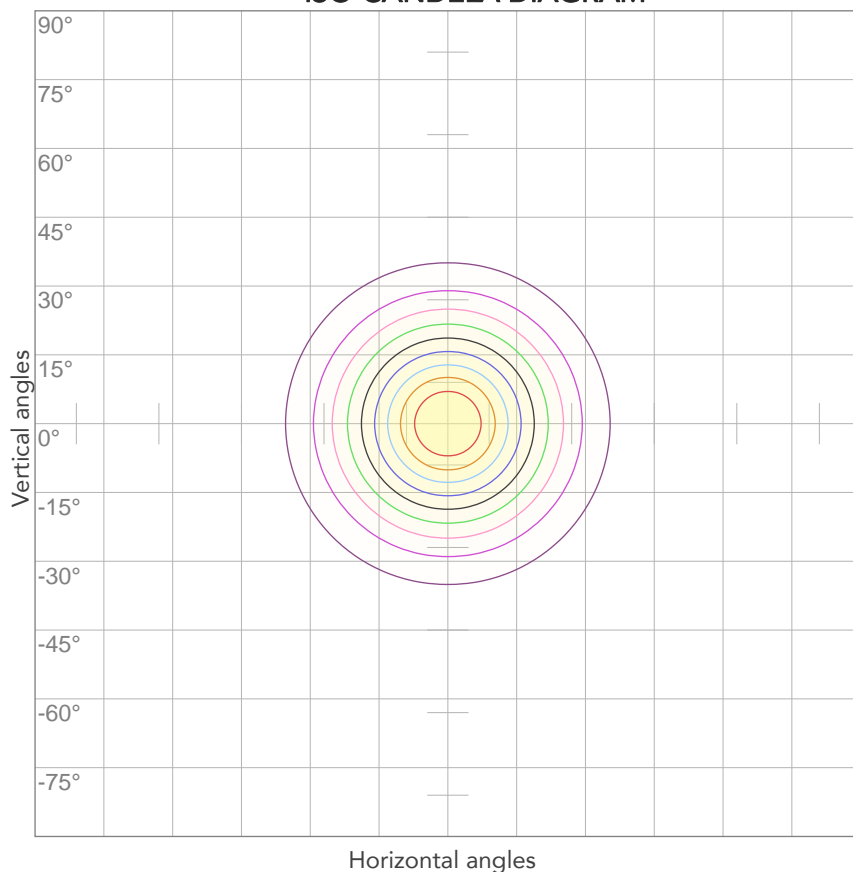


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,247A	52,3W	28lm/W
Power FC			
0,94			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



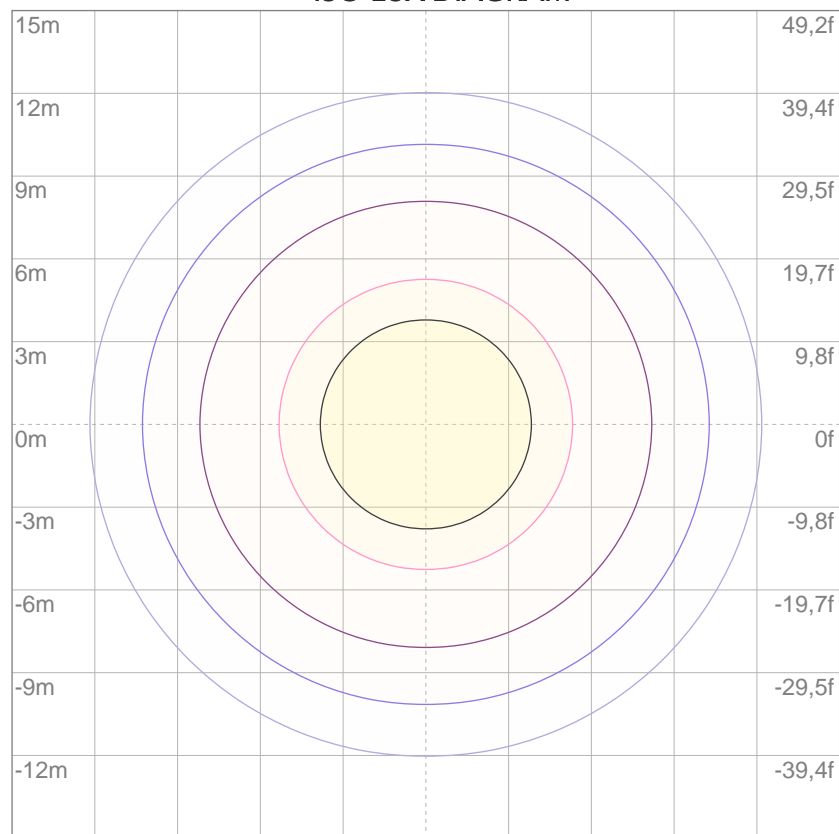
10%	238 cd
20%	477 cd
30%	715 cd
40%	953 cd
50%	1192 cd
60%	1430 cd
70%	1669 cd
80%	1907 cd

Conditions:

Number of c-planes: 4

Candela at center: 2384 cd

ISO LUX DIAGRAM



3%	0,715 lx
5%	1,19 lx
10%	2,38 lx
30%	7,15 lx
50%	11,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 23,8 lx

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

Total lumen output:

285 lm

Peak candela output:

3518 cd



PRODUCT NAME:

ARCSHINE6

MEASURAMENT CONDITIONS:

Beam angle:

15°

Target:

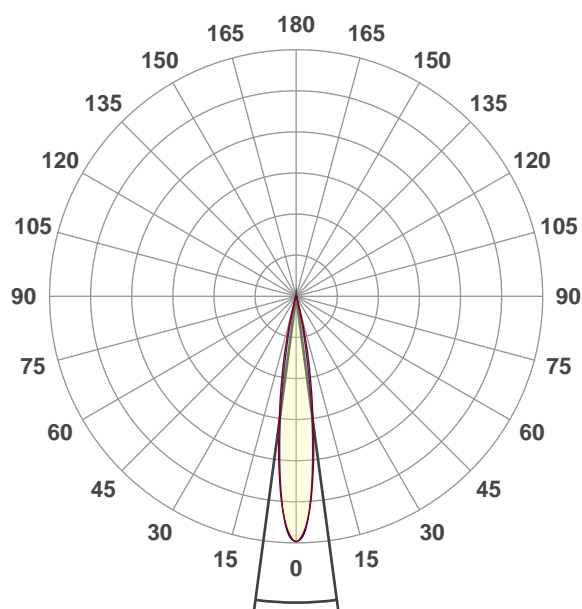
Red

Operator:

Paolo Carvone

Date and time:

10/08/2020 12:13:02

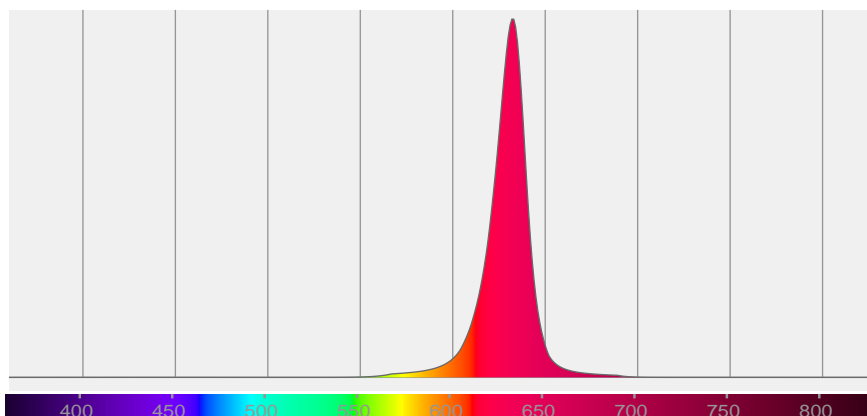


Beam angle 50%: 15,3°

Field angle 10%: 26,4°

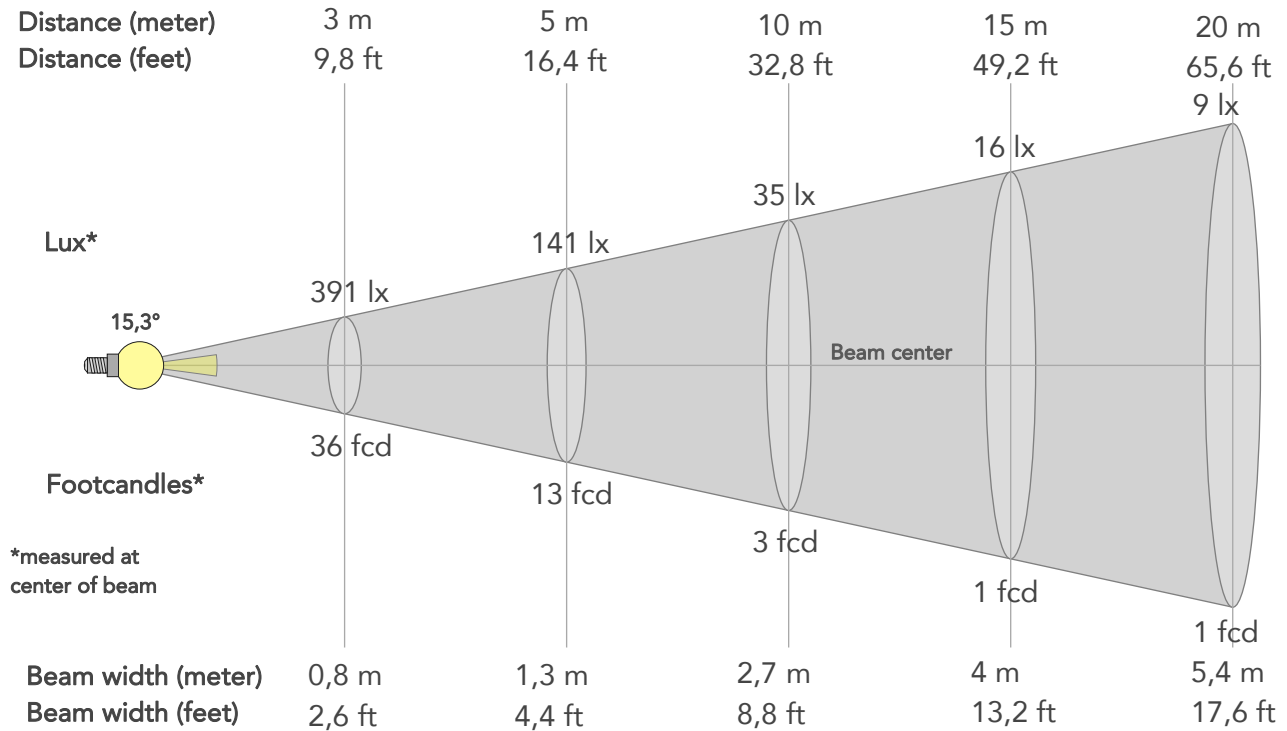
Cut off angle 2.5%: 33,9°

Spectra



BEAM DETAILS

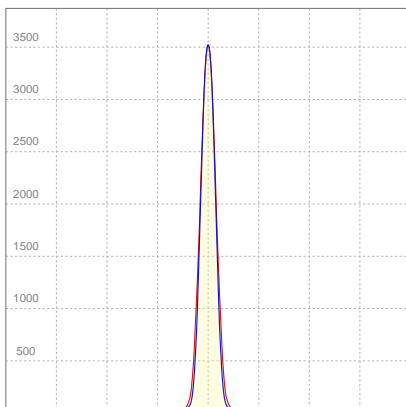
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,3°	26,4°	33,9°	99,9%	99,5%



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	3518lx	879lx	391lx	220lx	141lx	63lx	35lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	327fcd	82fcd	36fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,7m	4m	5,4m	6,7m	8m	10,7m	13,4m
Beam wid.	0,9ft	1,8ft	2,6ft	3,5ft	4,4ft	6,6ft	8,8ft	13,2ft	17,6ft	22ft	26,4ft	35,2ft	44ft

LINEAR DISTRIBUTION DIAGRAM

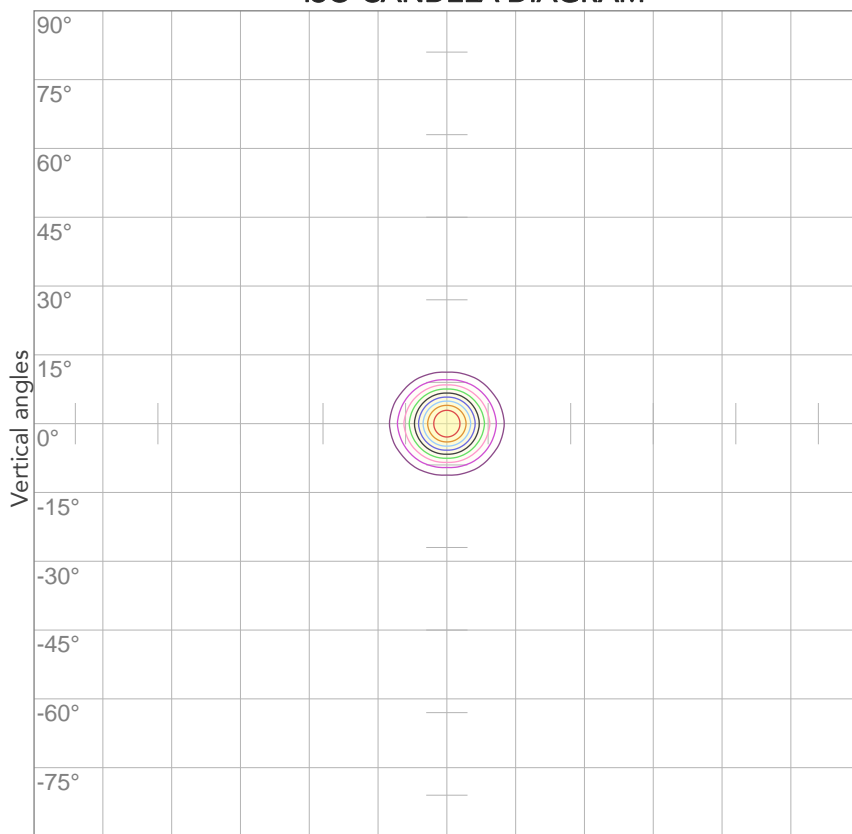


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,087A	13,8W	21lm/W
Power FC			
0,71			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



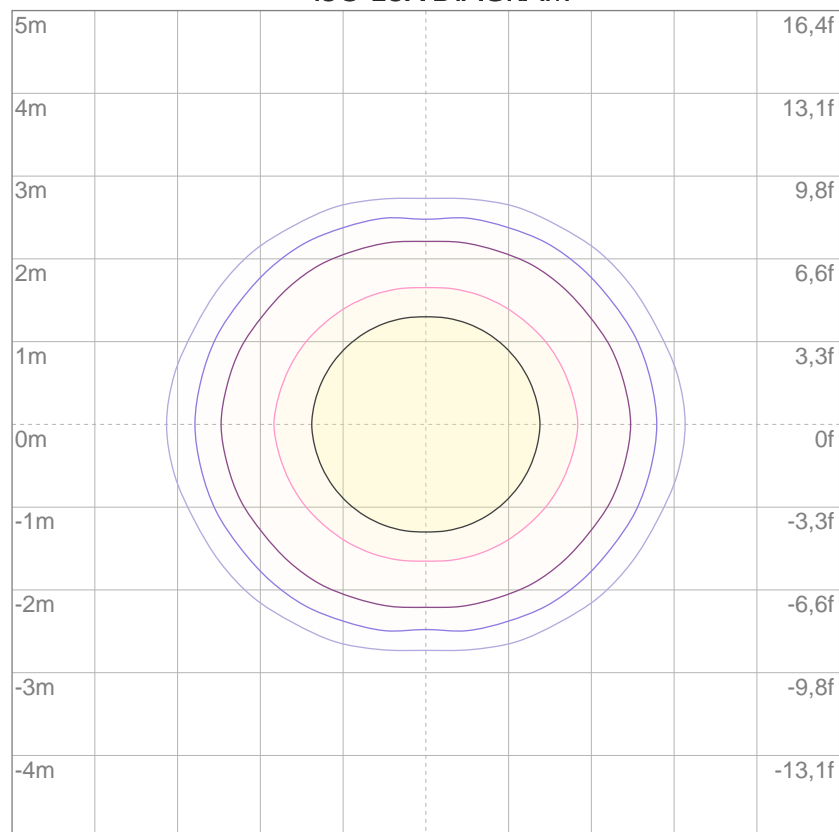
10%	352 cd
20%	704 cd
30%	1055 cd
40%	1407 cd
50%	1759 cd
60%	2111 cd
70%	2462 cd
80%	2814 cd

Conditions:

Number of c-planes: 4

Candela at center: 3518 cd

ISO LUX DIAGRAM



3%	1,06 lx
5%	1,76 lx
10%	3,52 lx
30%	10,6 lx
50%	17,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 35,2 lx

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

Total lumen output:

273 lm

Peak candela output:

1807 cd



PRODUCT NAME:

ARCSHINE6

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

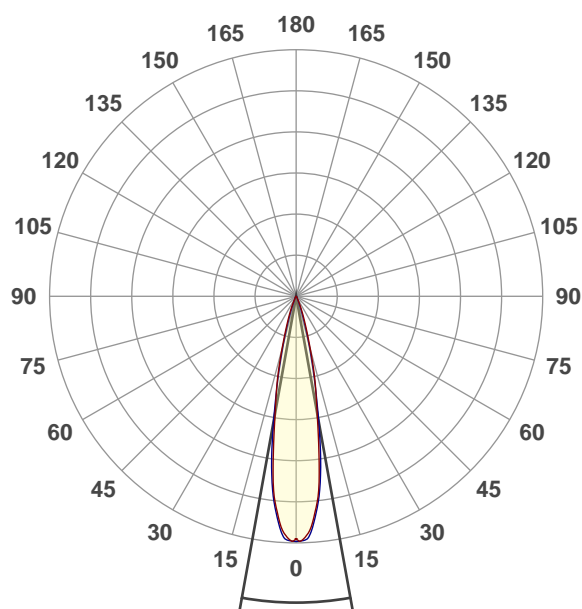
Red

Operator:

Paolo Carvone

Date and time:

10/08/2020 14:43:09

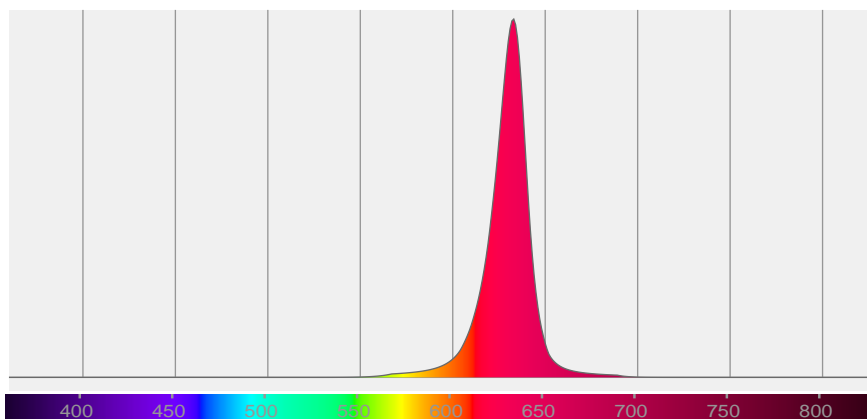


Beam angle 50%: 20,4°

Field angle 10%: 36,5°

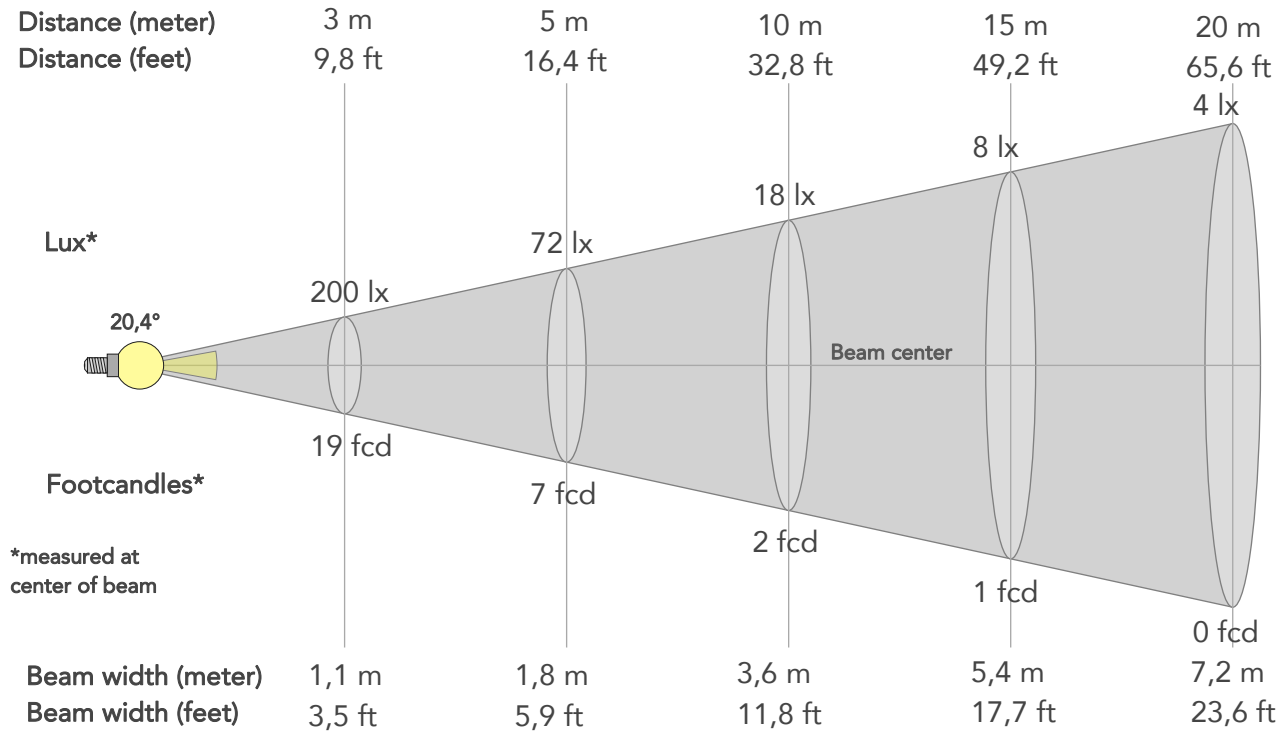
Cut off angle 2.5%: 47,5°

Spectra



BEAM DETAILS

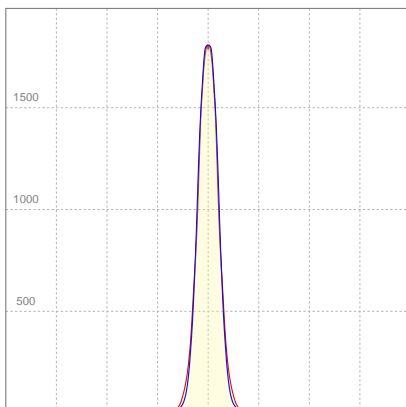
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,4°	36,5°	47,5°	99,6%	98,6%



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	1798lx	450lx	200lx	112lx	72lx	32lx	18lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	167fcd	42fcd	19fcd	10fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,7m	3,6m	5,4m	7,2m	9m	10,8m	14,4m	18m
Beam wid.	1,2ft	2,4ft	3,5ft	4,7ft	5,9ft	8,9ft	11,8ft	17,7ft	23,6ft	29,5ft	35,4ft	47,2ft	59ft

LINEAR DISTRIBUTION DIAGRAM

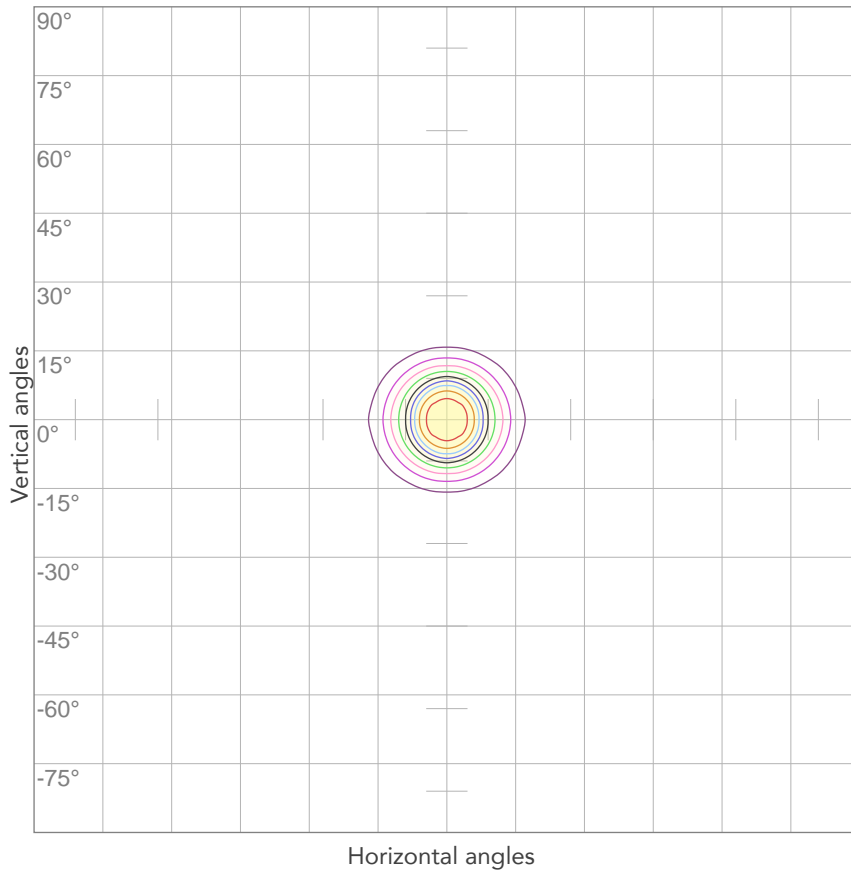


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,088A	13,9W	20lm/W
Power FC			
0,7			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



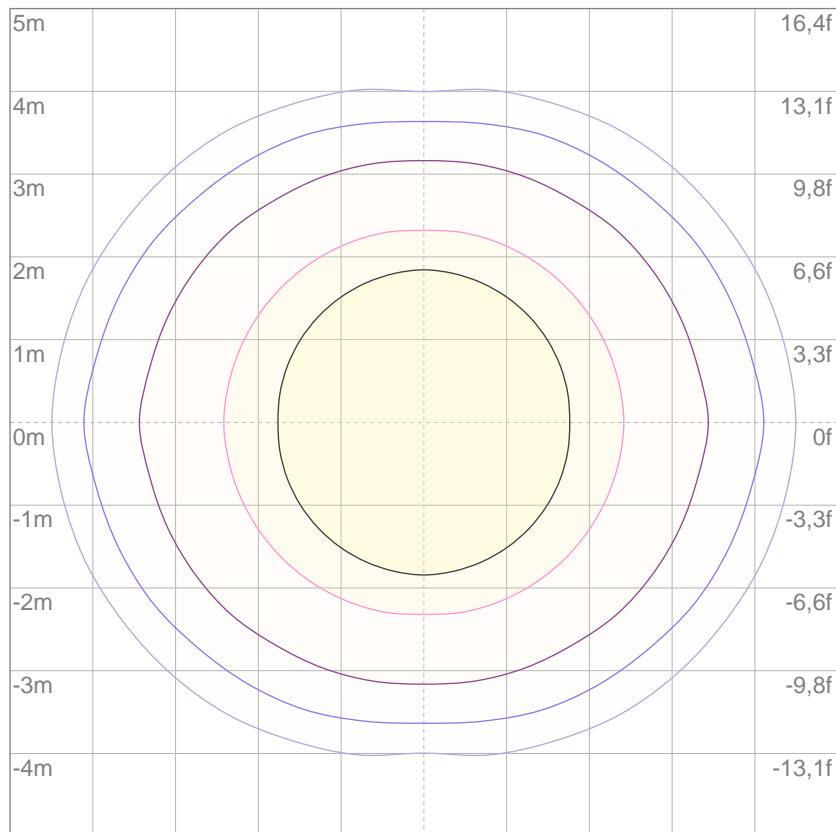
10%	180 cd
20%	360 cd
30%	539 cd
40%	719 cd
50%	899 cd
60%	1079 cd
70%	1259 cd
80%	1438 cd

Conditions:

Number of c-planes: 4

Candela at center: 1798 cd

ISO LUX DIAGRAM



3%	0,539 lx
5%	0,899 lx
10%	1,80 lx
30%	5,39 lx
50%	8,99 lx

Conditions:

Number of c-planes: 4

Lux at center: 18,0 lx

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

Total lumen output:

250 lm

Peak candela output:

427 cd



PRODUCT NAME:

ARCSHINE6

MEASUREMENT CONDITIONS:

Beam angle:

45°

Target:

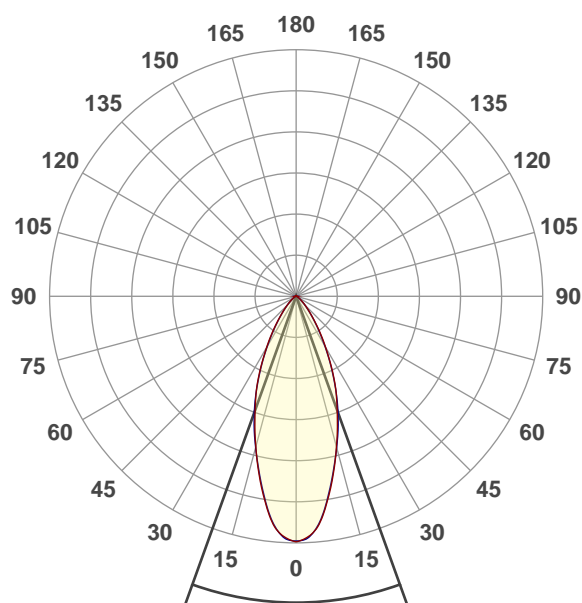
Red

Operator:

Paolo Carvone

Date and time:

10/08/2020 15:15:41

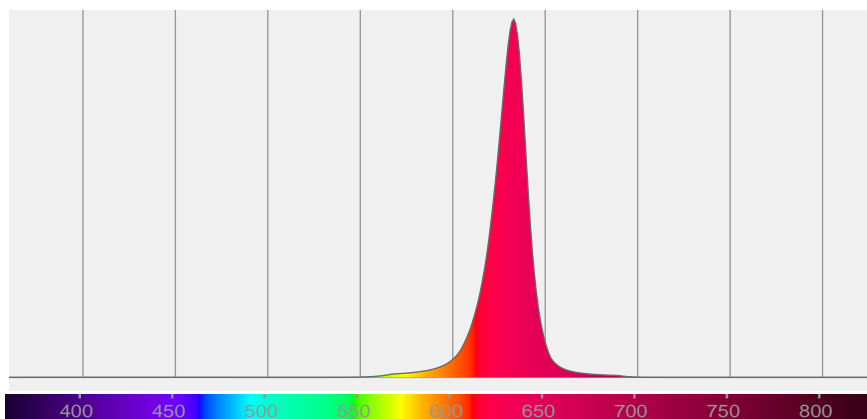


Beam angle 50%: 39,6°

Field angle 10%: 77,4°

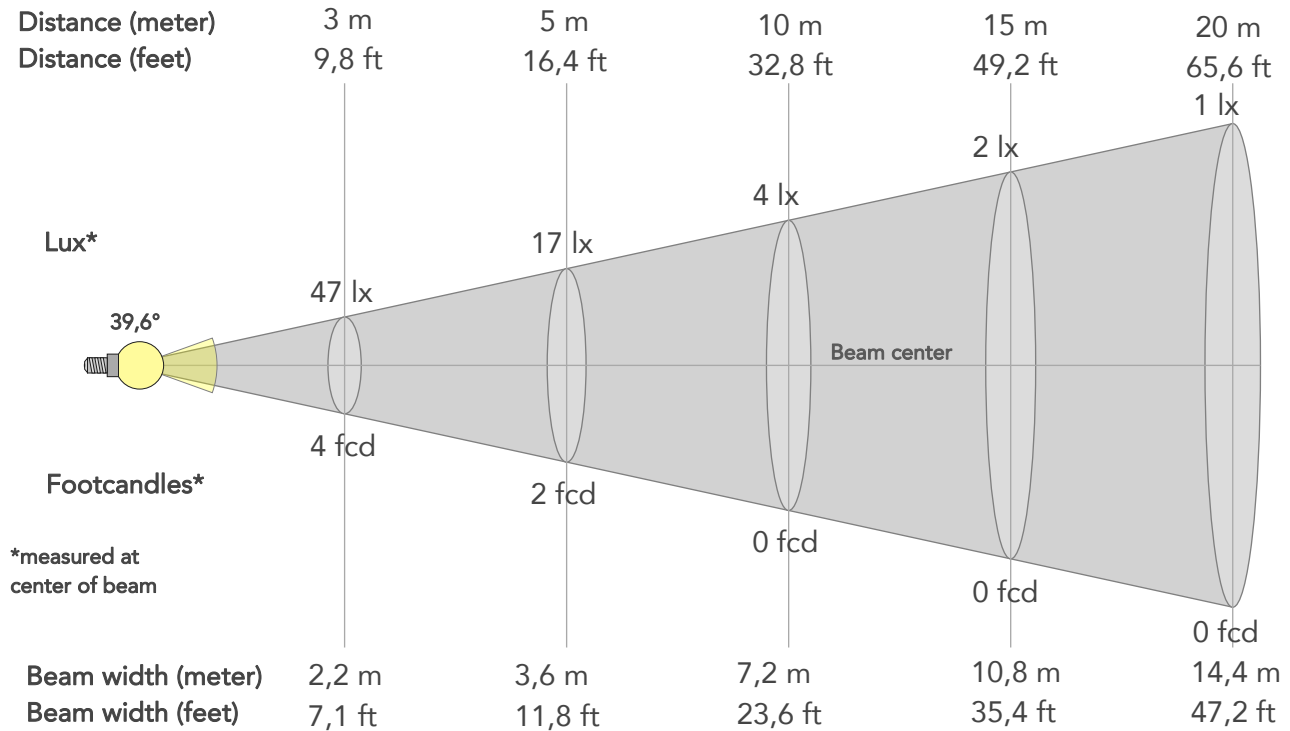
Cut off angle 2.5%: 103,4°

Spectra



BEAM DETAILS

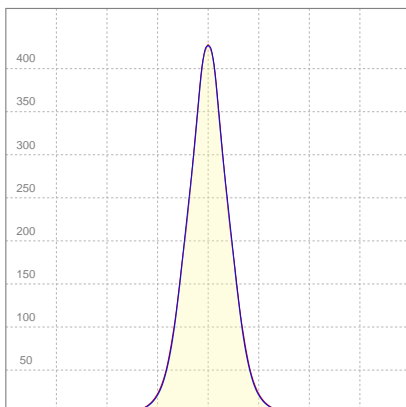
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,6°	77,4°	103,4°	98,6%	93,1%



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	426lx	107lx	47lx	27lx	17lx	8lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	40fcd	10fcd	4fcd	2fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36m
Beam wid.	2,4ft	4,8ft	7,1ft	9,4ft	11,8ft	17,7ft	23,6ft	35,4ft	47,2ft	59ft	70,8ft	94,5ft	118,1ft

LINEAR DISTRIBUTION DIAGRAM

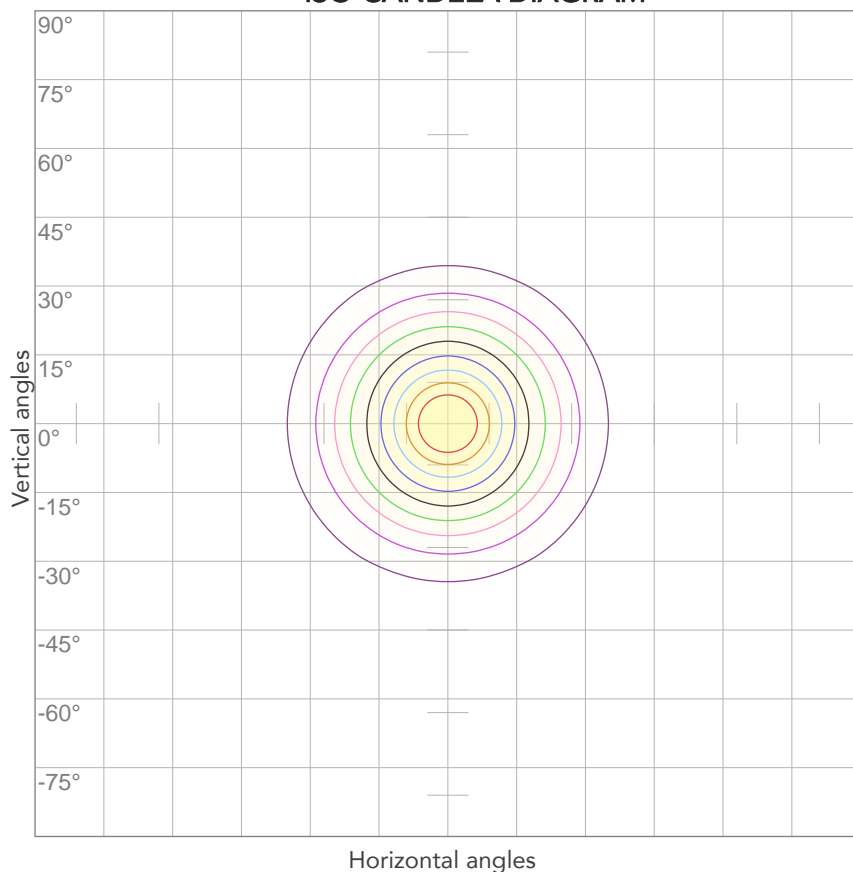


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,087A	13,9W	18lm/W
Power FC			
0,71			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



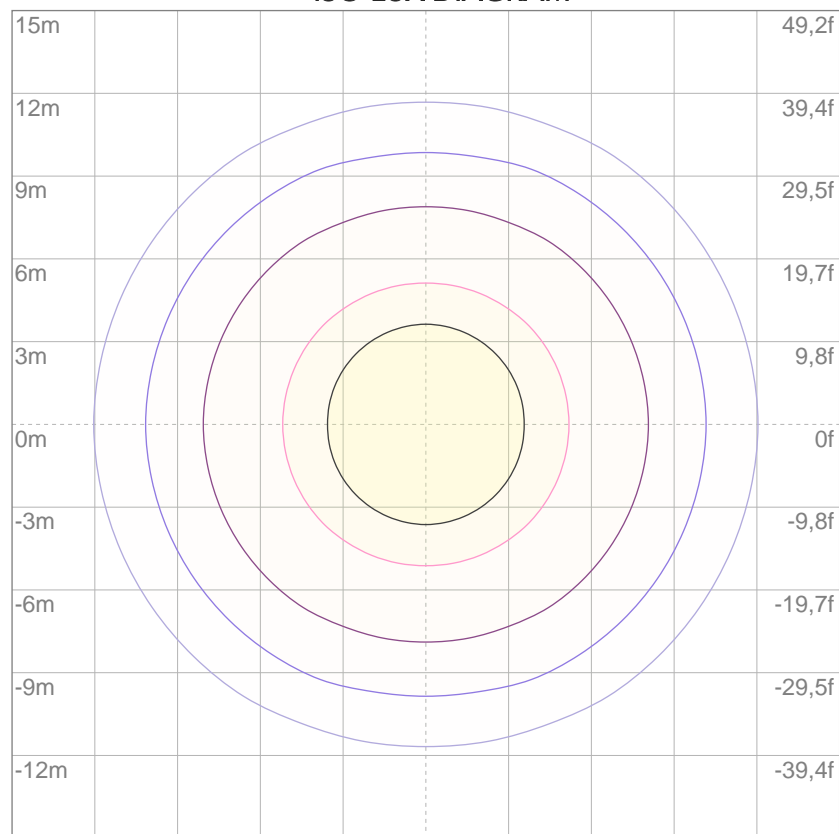
10%	43 cd
20%	85 cd
30%	128 cd
40%	171 cd
50%	213 cd
60%	256 cd
70%	299 cd
80%	341 cd

Conditions:

Number of c-planes: 4

Candela at center: 426 cd

ISO LUX DIAGRAM



3%	0,128 lx
5%	0,213 lx
10%	0,426 lx
30%	1,28 lx
50%	2,13 lx

Conditions:

Number of c-planes: 4

Lux at center: 4,26 lx

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

Total lumen output:

618 lm

Peak candela output:

6897 cd



PRODUCT NAME:

ARCSHINE6

MEASUREMENT CONDITIONS:

Beam angle:

15°

Target:

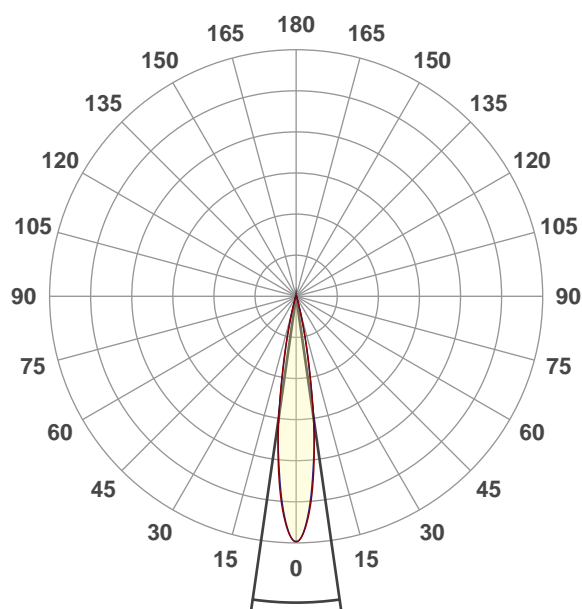
Green

Operator:

Paolo Carvone

Date and time:

10/08/2020 12:15:19

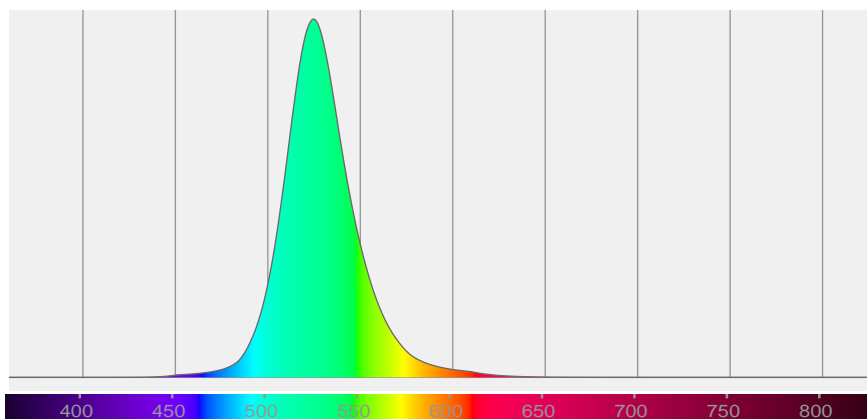


Beam angle 50%: 16,3°

Field angle 10%: 27,7°

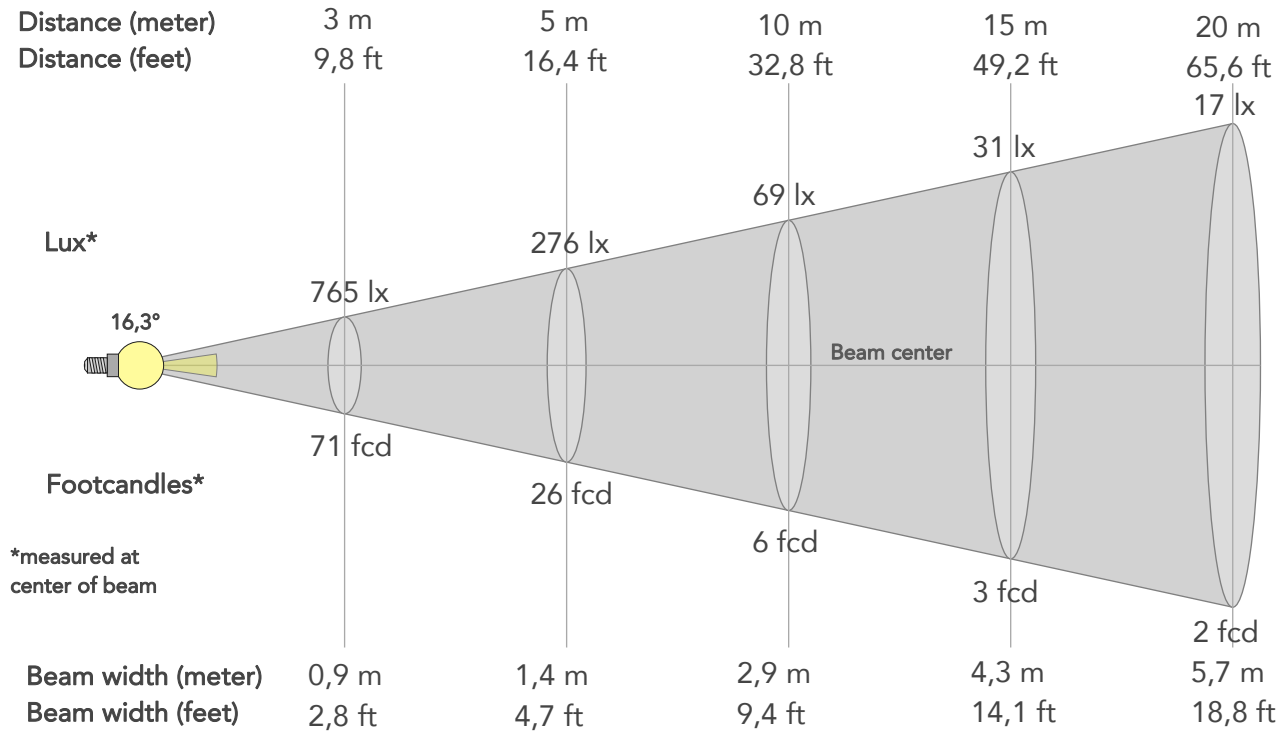
Cut off angle 2.5%: 36,9°

Spectra



BEAM DETAILS

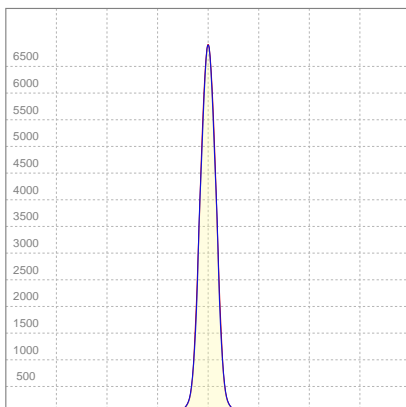
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,3°	27,7°	36,9°	99,9%	99,3%



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	6889lx	1722lx	765lx	431lx	276lx	122lx	69lx	31lx	17lx	11lx	8lx	4lx	3lx
Footcand.	640fcd	160fcd	71fcd	40fcd	26fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,1m	1,4m	2,2m	2,9m	4,3m	5,7m	7,2m	8,6m	11,5m	14,3m
Beam wid.	0,9ft	1,9ft	2,8ft	3,8ft	4,7ft	7,1ft	9,4ft	14,1ft	18,8ft	23,5ft	28,2ft	37,6ft	47ft

LINEAR DISTRIBUTION DIAGRAM



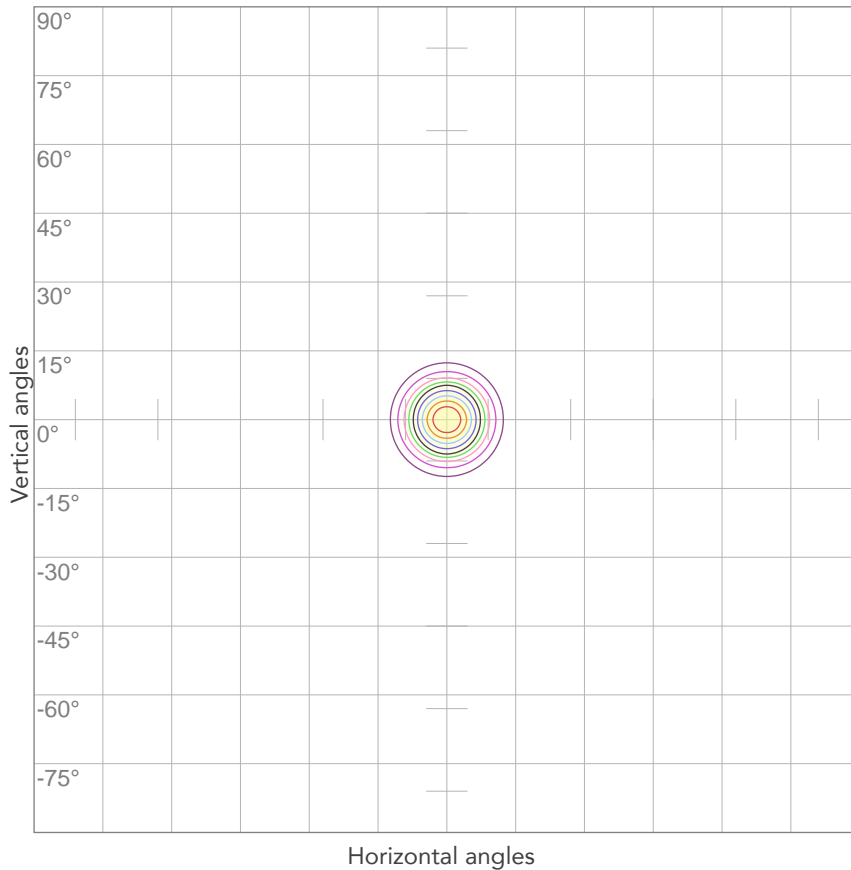
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,099A	16,8W	37lm/W

Power FC
0,76

ISO DIAGRAMS

ISO CANDELA DIAGRAM



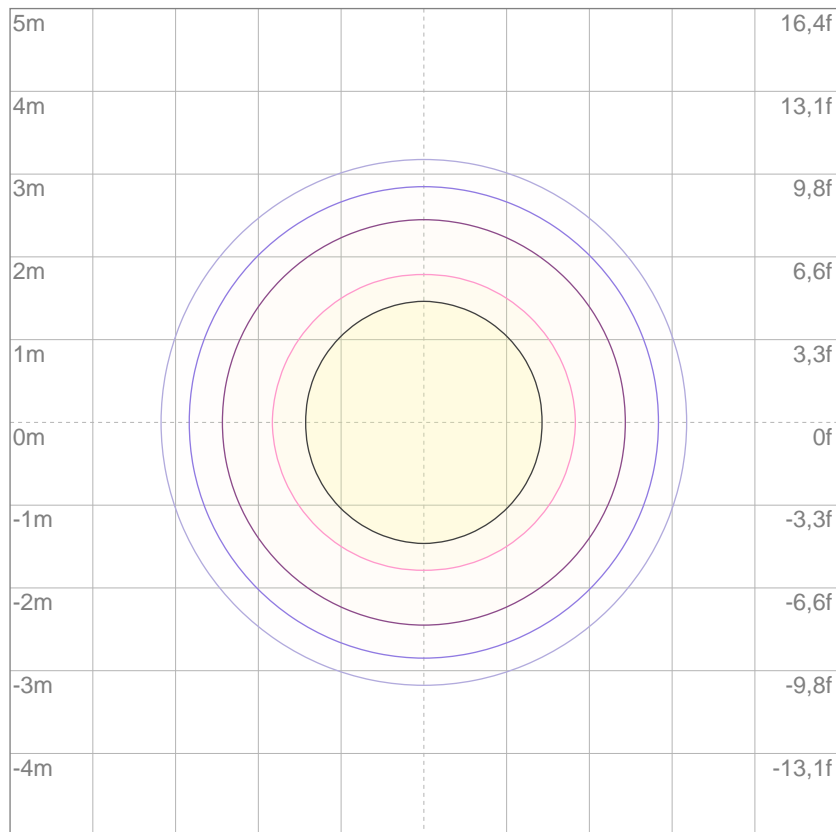
10%	689 cd
20%	1378 cd
30%	2067 cd
40%	2756 cd
50%	3445 cd
60%	4133 cd
70%	4822 cd
80%	5511 cd

Conditions:

Number of c-planes: 4

Candela at center: 6889 cd

ISO LUX DIAGRAM



3%	2,07 lx
5%	3,44 lx
10%	6,89 lx
30%	20,7 lx
50%	34,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 68,9 lx

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

Total lumen output:

602 lm

Peak candela output:

3673 cd



PRODUCT NAME:

ARCSHINE6

MEASUREMENT CONDITIONS:

Beam angle:

25°

Target:

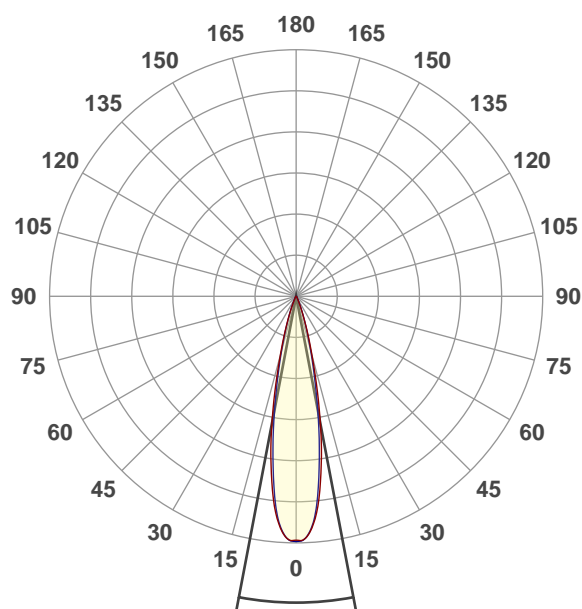
Green

Operator:

Paolo Carvone

Date and time:

10/08/2020 14:40:30

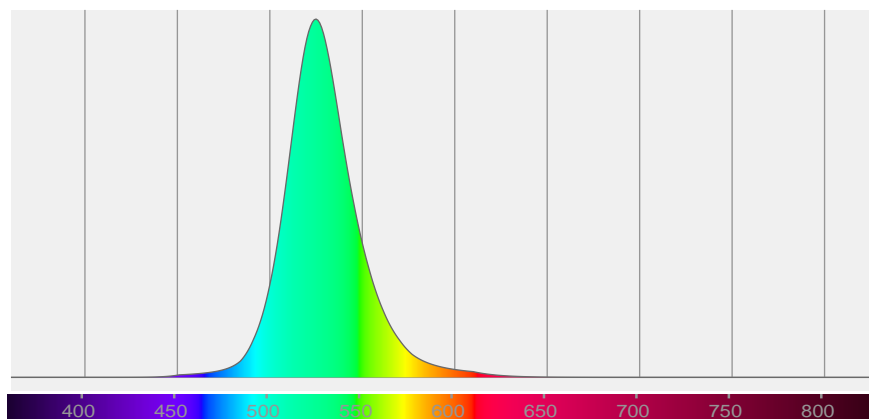


Beam angle 50%: 21,6°

Field angle 10%: 38,4°

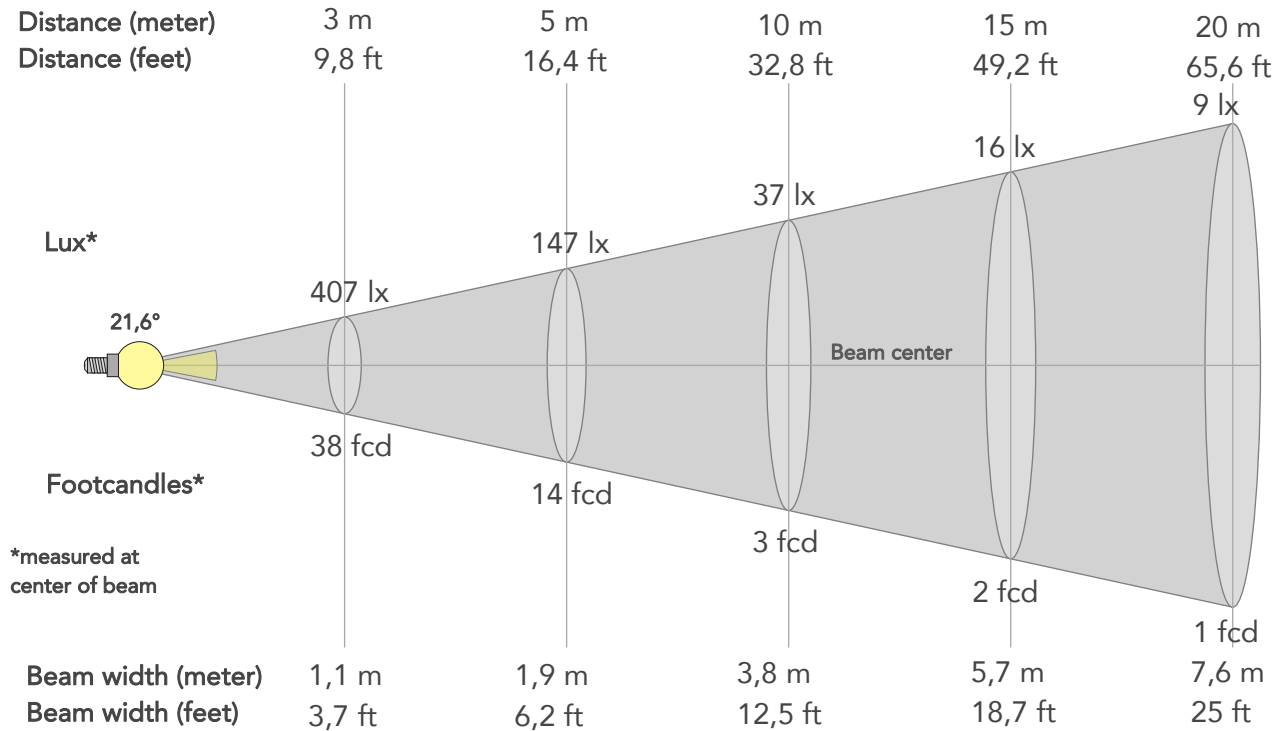
Cut off angle 2.5%: 50,2°

Spectra



BEAM DETAILS

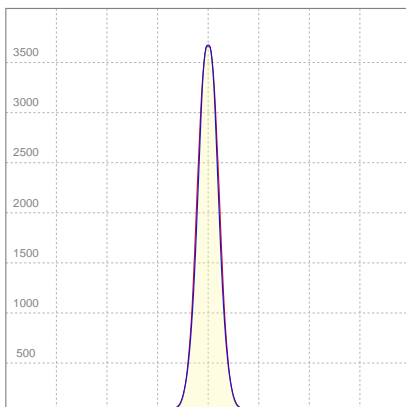
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,6°	38,4°	50,2°	99,7%	98,7%



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	3664lx	916lx	407lx	229lx	147lx	65lx	37lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	340fcd	85fcd	38fcd	21fcd	14fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,9m	3,8m	5,7m	7,6m	9,5m	11,4m	15,2m	19m
Beam wid.	1,3ft	2,5ft	3,7ft	5ft	6,2ft	9,4ft	12,5ft	18,7ft	25ft	31,2ft	37,5ft	49,9ft	62,4ft

LINEAR DISTRIBUTION DIAGRAM

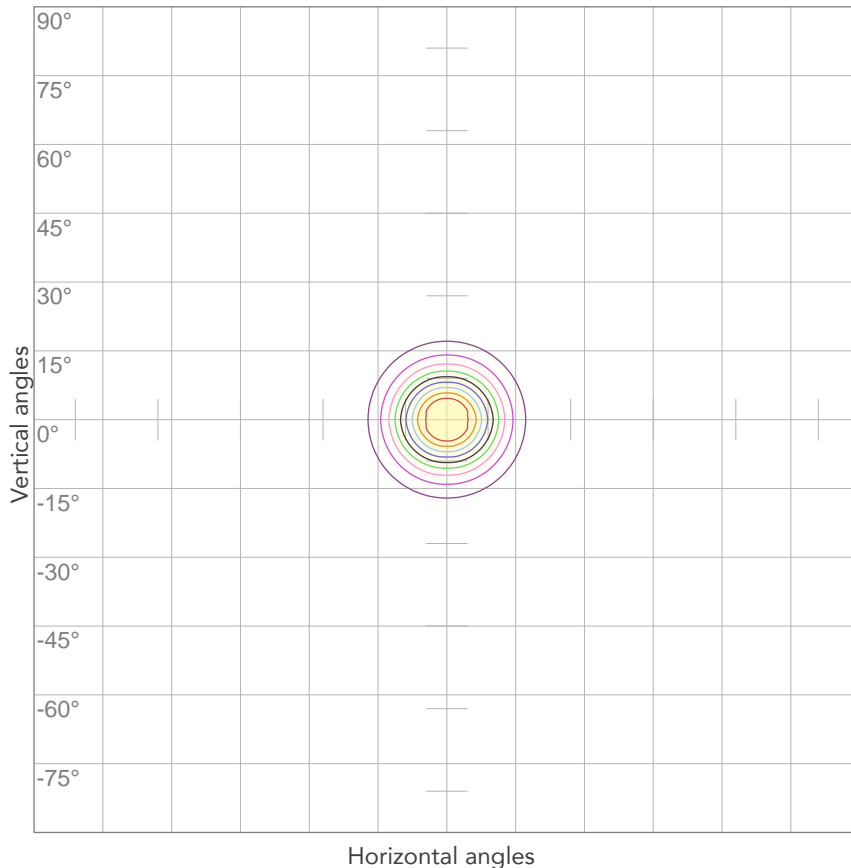


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,099A	16,8W	36lm/W
Power FC			
0,75			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



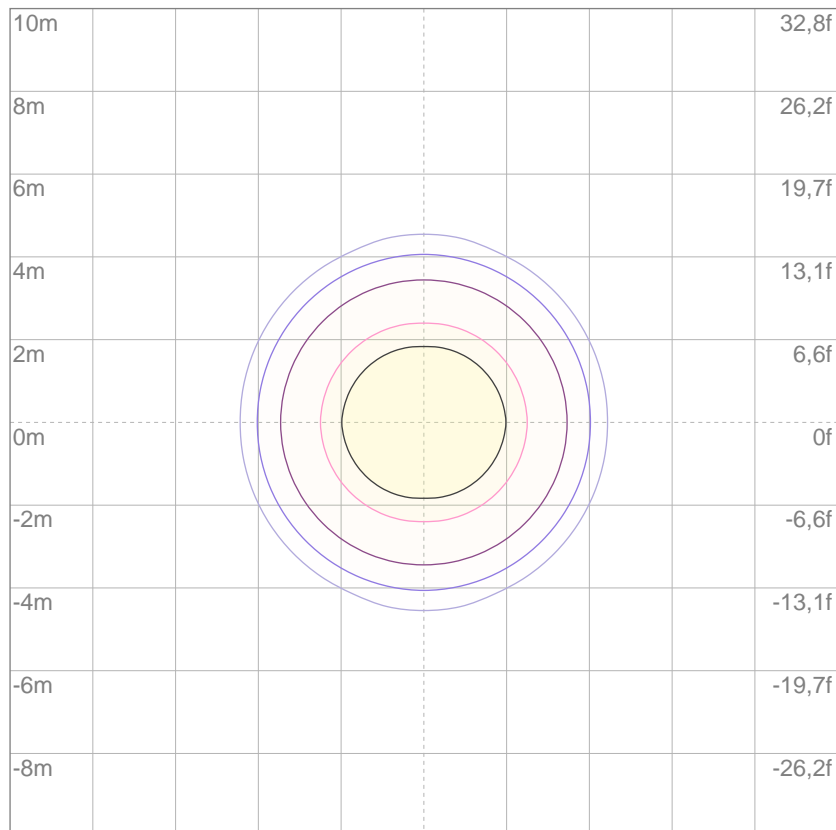
10%	366 cd
20%	733 cd
30%	1099 cd
40%	1466 cd
50%	1832 cd
60%	2199 cd
70%	2565 cd
80%	2931 cd

Conditions:

Number of c-planes: 4

Candela at center: 3664 cd

ISO LUX DIAGRAM



3%	1,10 lx
5%	1,83 lx
10%	3,66 lx
30%	11,0 lx
50%	18,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 36,6 lx

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

Total lumen output:

560 lm

Peak candela output:

915 cd



PRODUCT NAME:

ARCSHINE6

MEASUREMENT CONDITIONS:

Beam angle:

45°

Target:

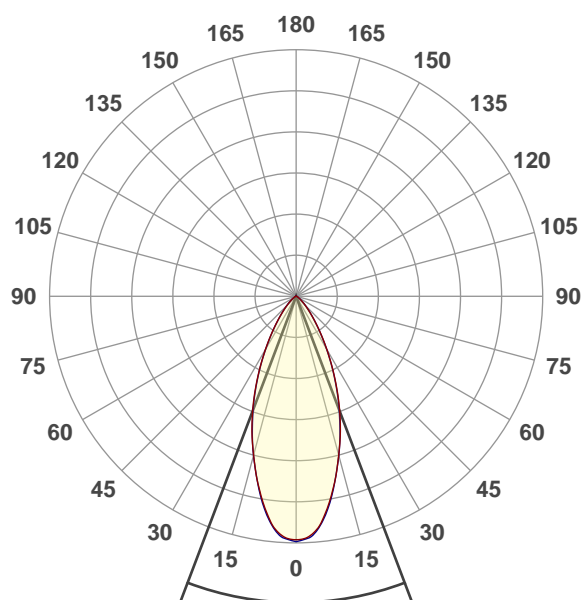
Green

Operator:

Paolo Carvone

Date and time:

10/08/2020 15:13:30

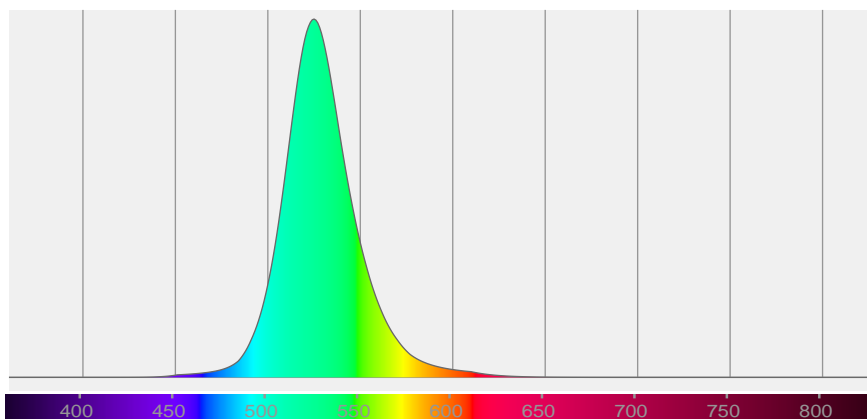


Beam angle 50%: 41,5°

Field angle 10%: 78,4°

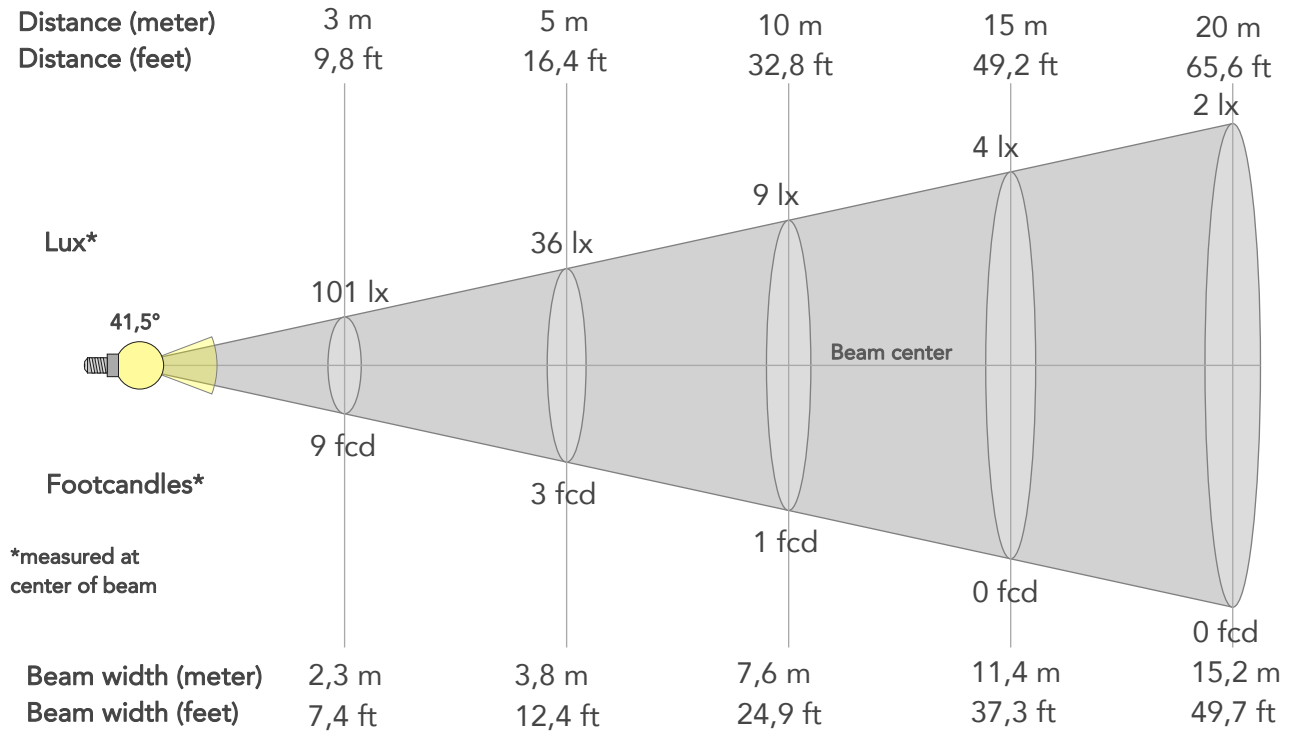
Cut off angle 2.5%: 104,3°

Spectra



BEAM DETAILS

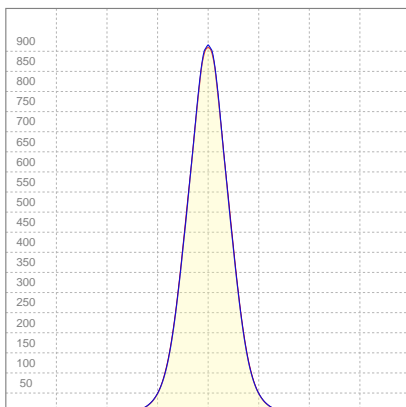
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,5°	78,4°	104,3°	98,4%	92,9%



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	912lx	228lx	101lx	57lx	36lx	16lx	9lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	85fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,7m	7,6m	11,4m	15,2m	18,9m	22,7m	30,3m	37,9m
Beam wid.	2,5ft	5ft	7,4ft	9,9ft	12,4ft	18,6ft	24,9ft	37,3ft	49,7ft	62,1ft	74,6ft	99,4ft	124,3ft

LINEAR DISTRIBUTION DIAGRAM

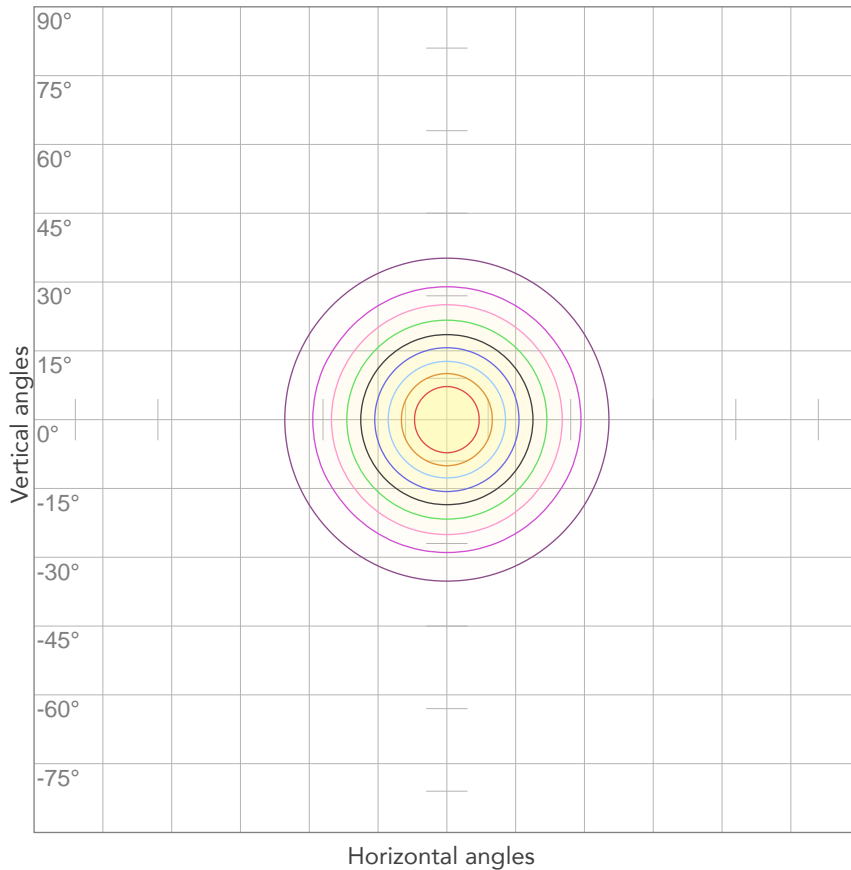


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,099A	16,7W	34lm/W
Power FC			
0,75			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



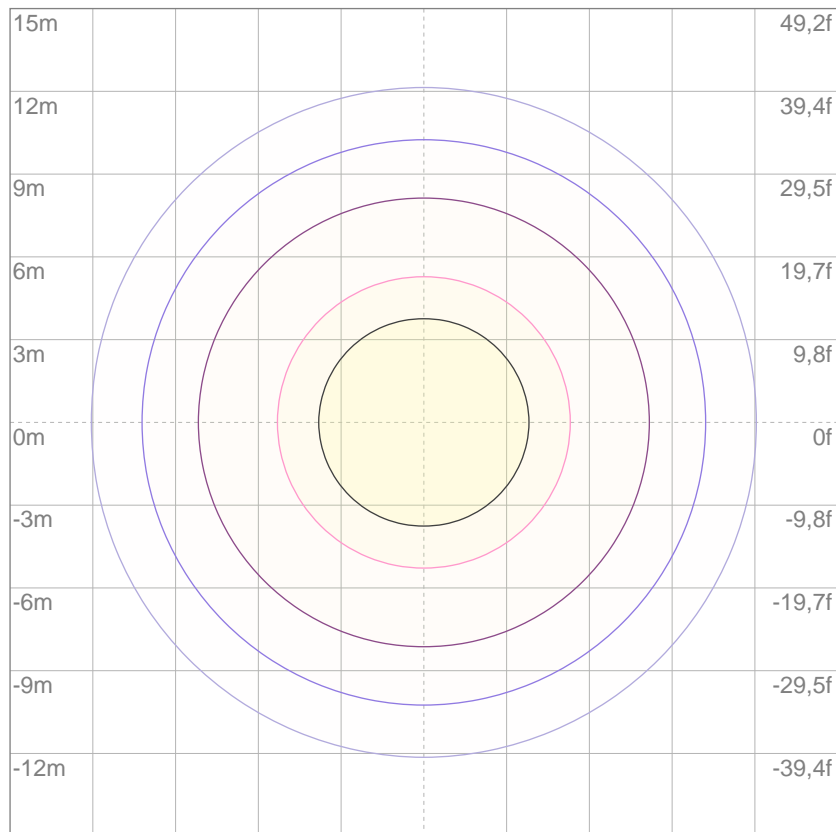
10%	91 cd
20%	182 cd
30%	273 cd
40%	365 cd
50%	456 cd
60%	547 cd
70%	638 cd
80%	729 cd

Conditions:

Number of c-planes: 4

Candela at center: 912 cd

ISO LUX DIAGRAM



3%	0,273 lx
5%	0,456 lx
10%	0,912 lx
30%	2,73 lx
50%	4,56 lx

Conditions:

Number of c-planes: 4

Lux at center: 9,12 lx

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

Total lumen output:

131 lm

Peak candela output:

1430 cd



PRODUCT NAME:

ARCSHINE6

MEASUREMENT CONDITIONS:

Beam angle:

15°

Target:

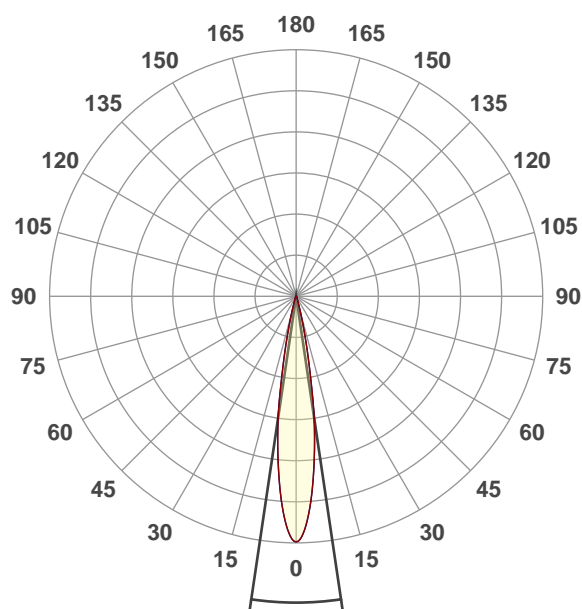
Blue

Operator:

Paolo Carvone

Date and time:

10/08/2020 12:18:11

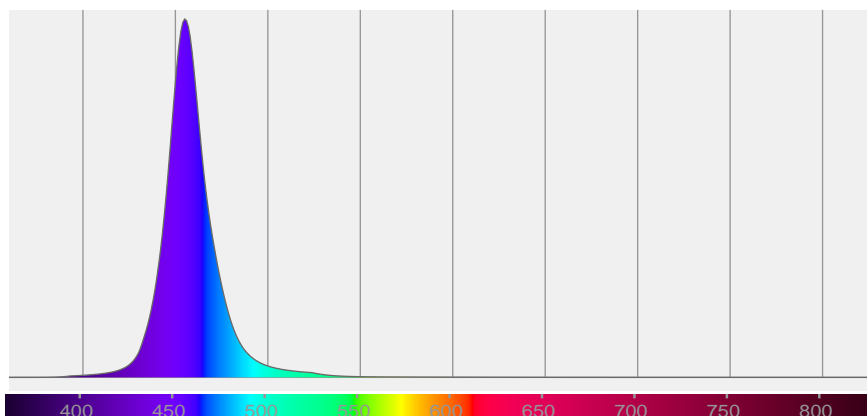


Beam angle 50%: 16,8°

Field angle 10%: 28°

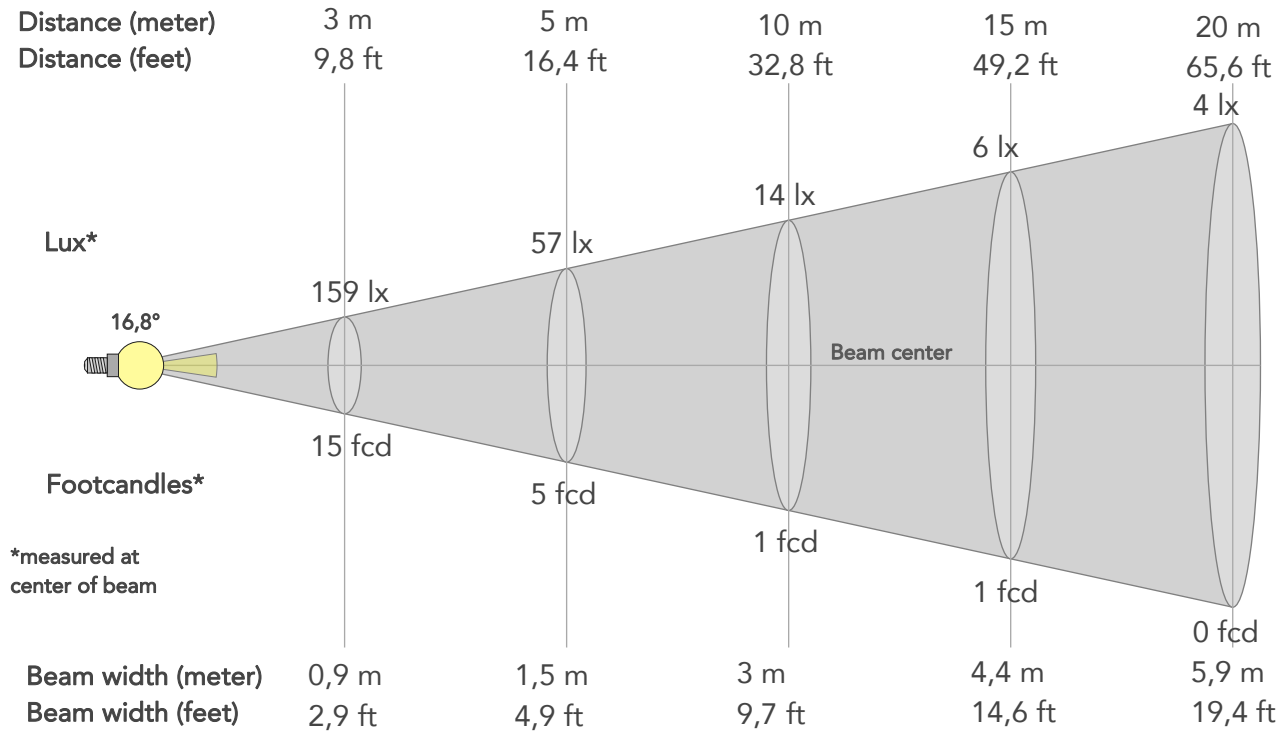
Cut off angle 2.5%: 36,5°

Spectra



BEAM DETAILS

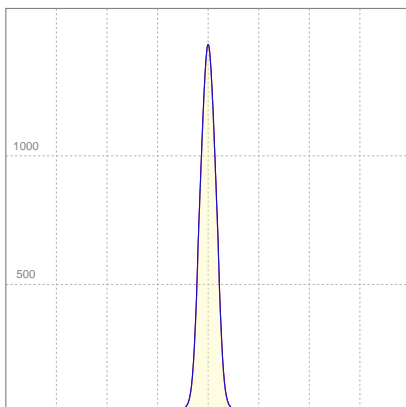
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,8°	28°	36,5°	99,9%	99,3%



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	1430lx	357lx	159lx	89lx	57lx	25lx	14lx	6lx	4lx	2lx	2lx	1lx	1lx
Footcand.	133fcd	33fcd	15fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,2m	3m	4,4m	5,9m	7,4m	8,9m	11,8m	14,8m
Beam wid.	1ft	2ft	2,9ft	3,9ft	4,9ft	7,3ft	9,7ft	14,6ft	19,4ft	24,3ft	29,1ft	38,9ft	48,6ft

LINEAR DISTRIBUTION DIAGRAM



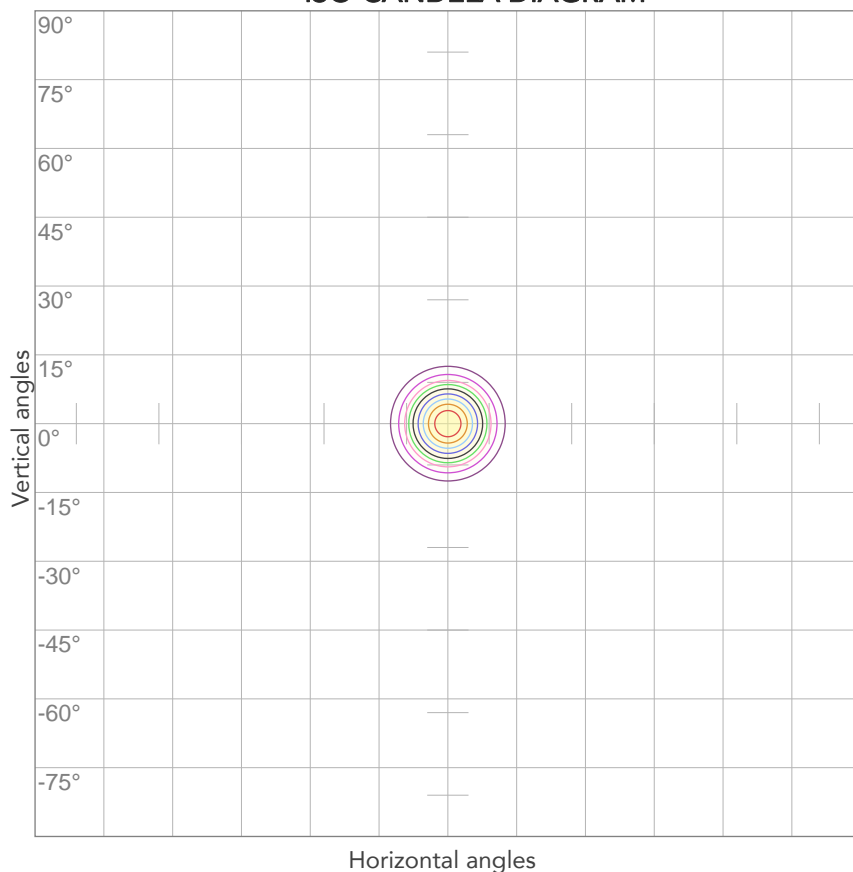
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,100A	17,3W	8lm/W

Power FC
0,76

ISO DIAGRAMS

ISO CANDELA DIAGRAM



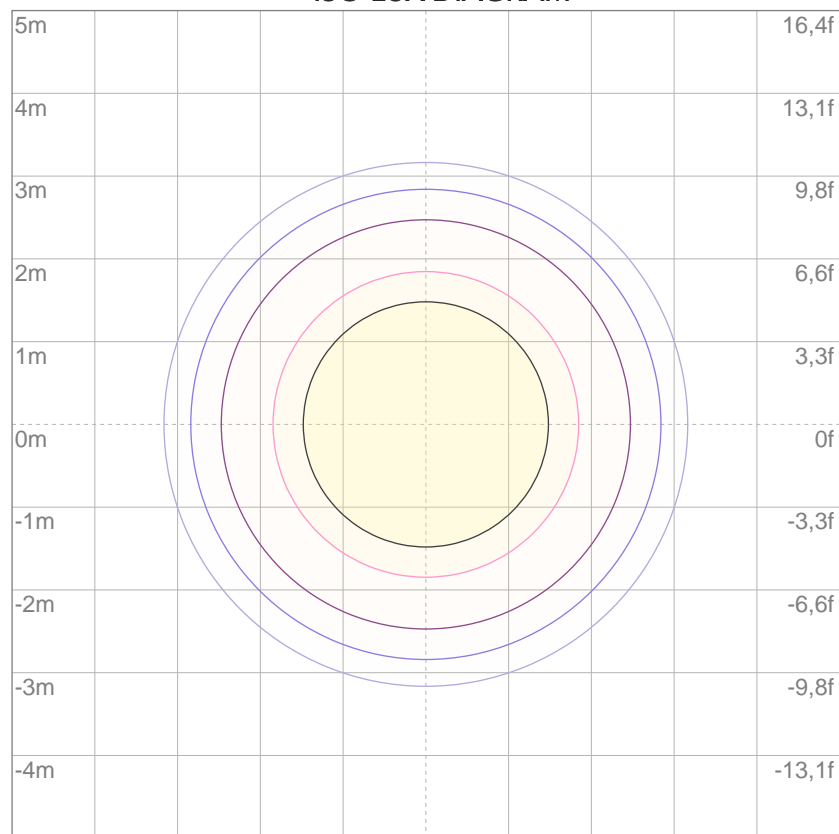
10%	143 cd
20%	286 cd
30%	429 cd
40%	572 cd
50%	715 cd
60%	858 cd
70%	1001 cd
80%	1144 cd

Conditions:

Number of c-planes: 4

Candela at center: 1430 cd

ISO LUX DIAGRAM



3%	0,429 lx
5%	0,715 lx
10%	1,43 lx
30%	4,29 lx
50%	7,15 lx

Conditions:

Number of c-planes: 4

Lux at center: 14,3 lx

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

Total lumen output:

124 lm

Peak candela output:

827 cd



PRODUCT NAME:

ARCSHINE6

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

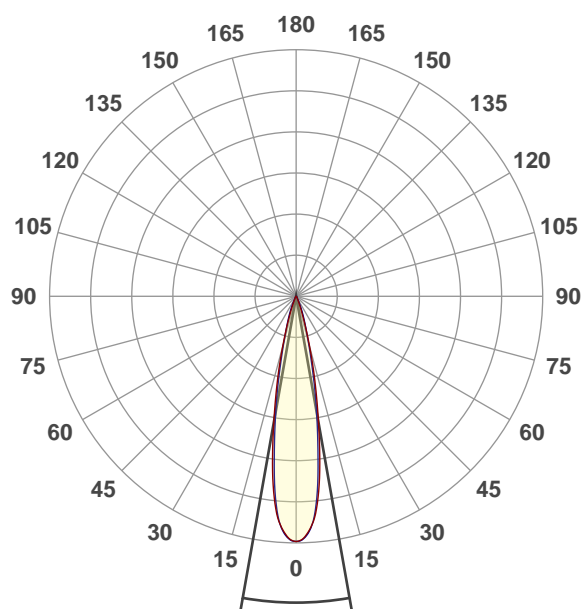
Blue

Operator:

Paolo Carvone

Date and time:

10/08/2020 14:35:36

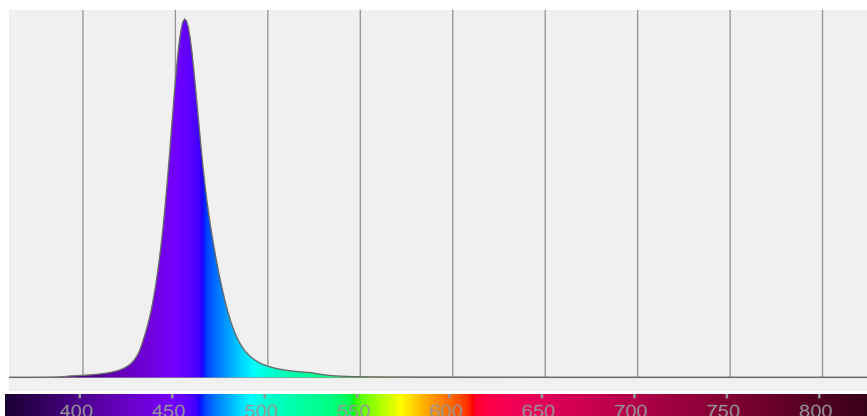


Beam angle 50%: 20,1°

Field angle 10%: 36,9°

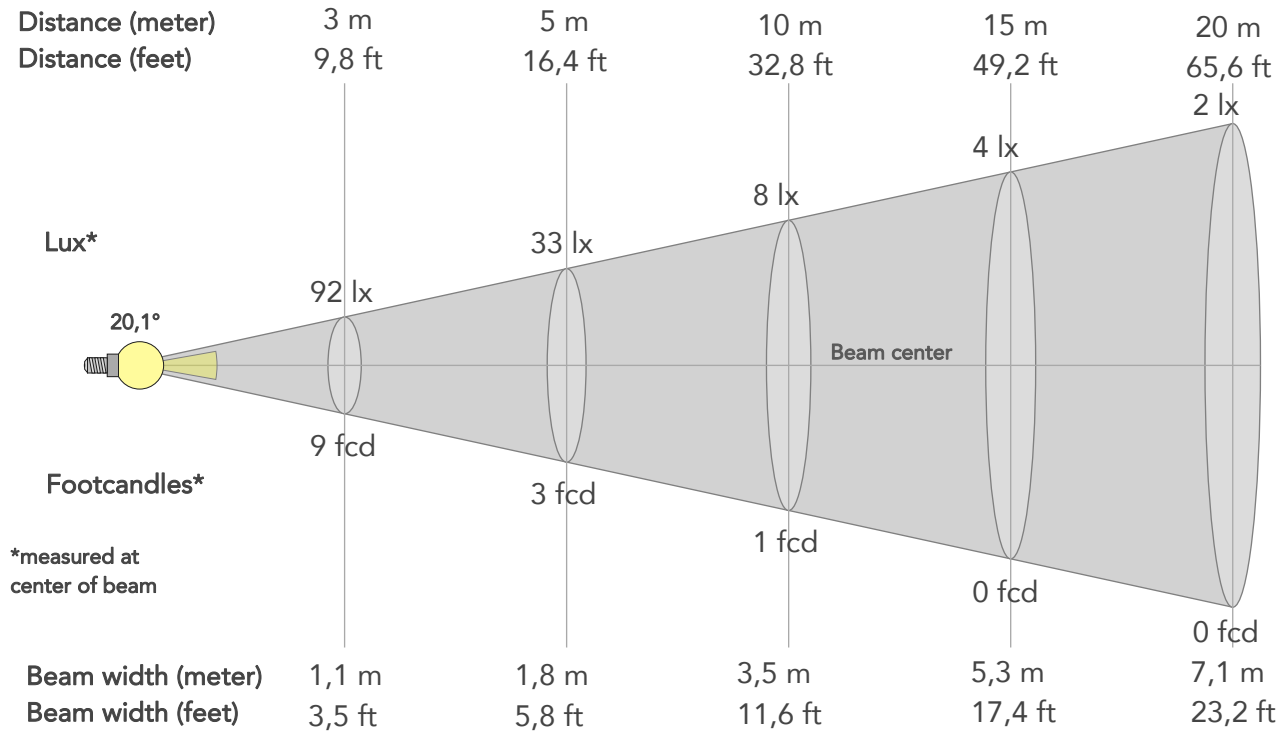
Cut off angle 2.5%: 49,2°

Spectra



BEAM DETAILS

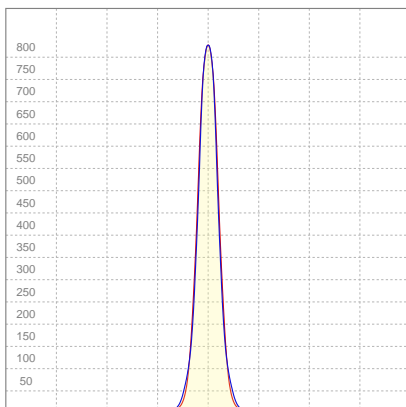
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,1°	36,9°	49,2°	99,6%	98,6%



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	827lx	207lx	92lx	52lx	33lx	15lx	8lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	77fcd	19fcd	9fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,7m	3,5m	5,3m	7,1m	8,9m	10,6m	14,2m	17,7m
Beam wid.	1,2ft	2,3ft	3,5ft	4,6ft	5,8ft	8,7ft	11,6ft	17,4ft	23,2ft	29ft	34,8ft	46,5ft	58,1ft

LINEAR DISTRIBUTION DIAGRAM

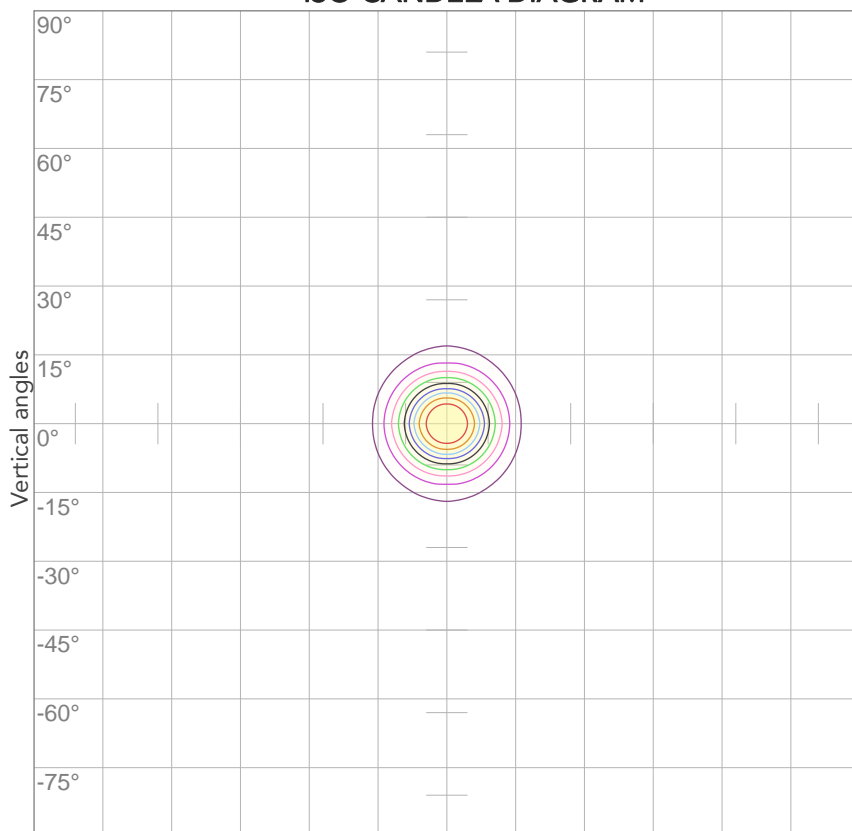


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,101A	17,4W	7lm/W
Power FC			
0,77			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



Horizontal angles

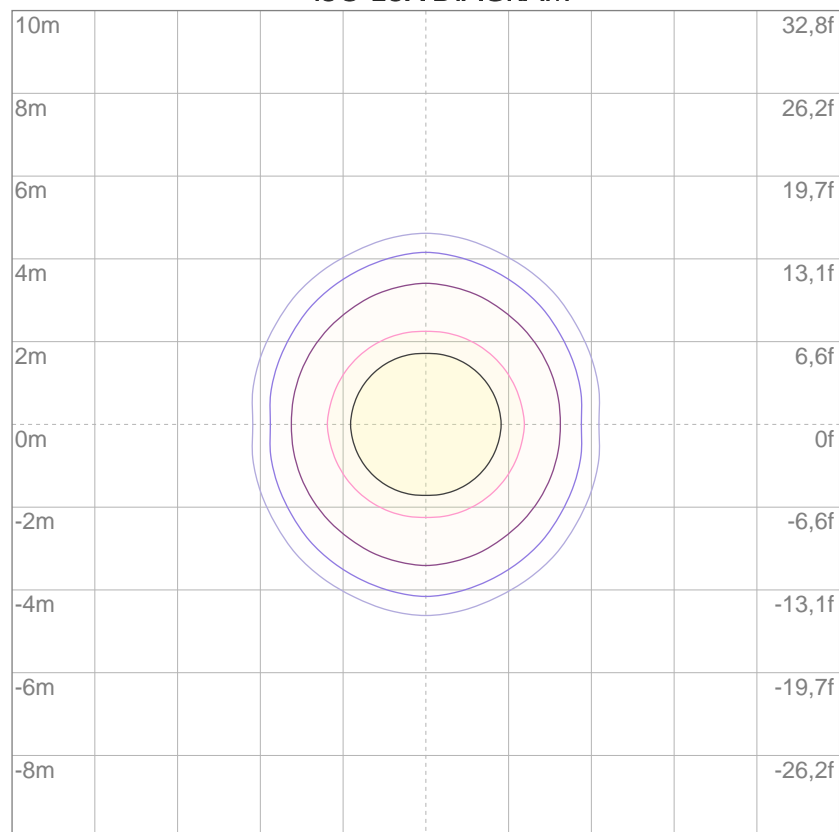
10%	83 cd
20%	165 cd
30%	248 cd
40%	331 cd
50%	413 cd
60%	496 cd
70%	579 cd
80%	661 cd

Conditions:

Number of c-planes: 4

Candela at center: 827 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,248 lx
5%	0,413 lx
10%	0,827 lx
30%	2,48 lx
50%	4,13 lx

Conditions:

Number of c-planes: 4

Lux at center: 8,27 lx

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

Total lumen output:

118 lm

Peak candela output:

198 cd



PRODUCT NAME:

ARCSHINE6

MEASURAMENT CONDITIONS:

Beam angle:

45°

Target:

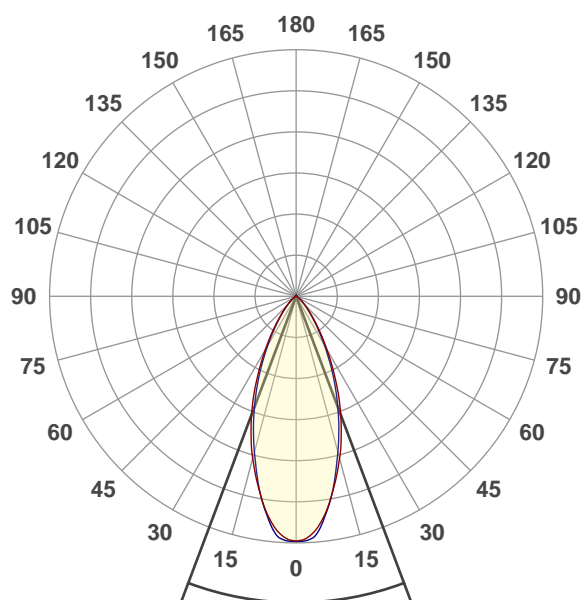
Blue

Operator:

Paolo Carvone

Date and time:

10/08/2020 15:08:48

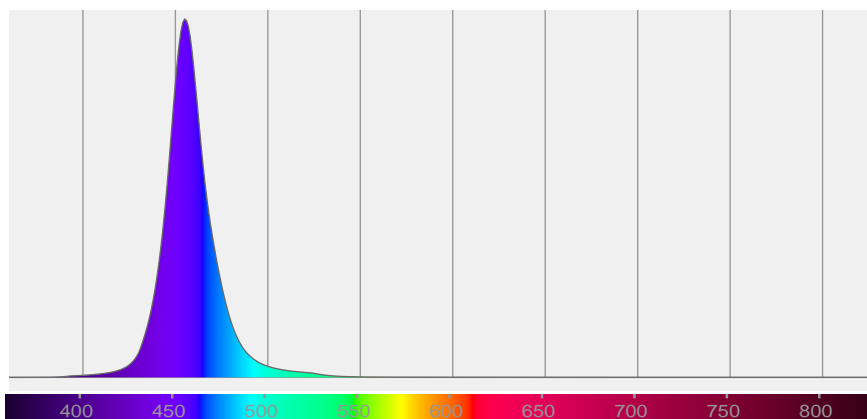


Beam angle 50%: 41,2°

Field angle 10%: 77,3°

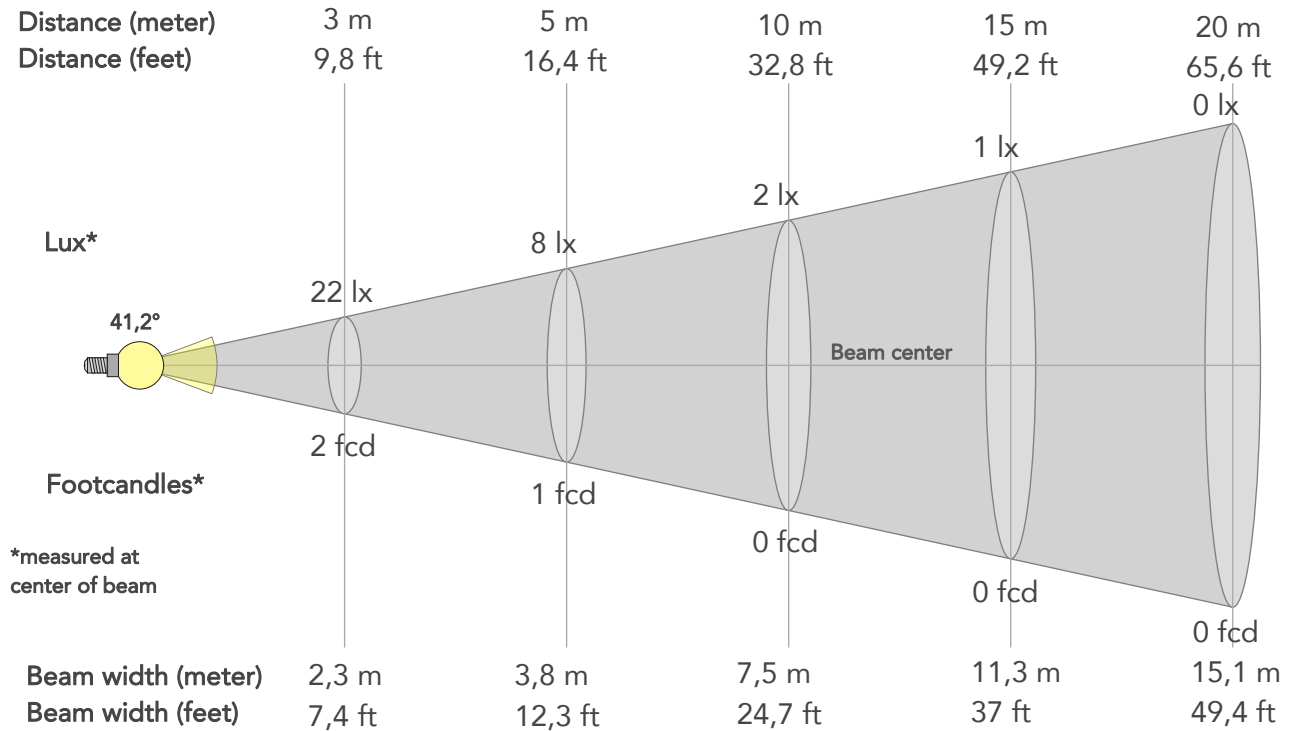
Cut off angle 2.5%: 102,5°

Spectra



BEAM DETAILS

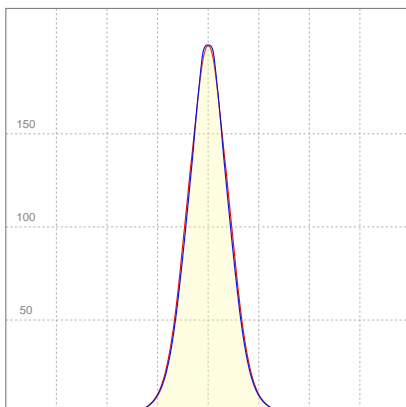
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,2°	77,3°	102,5°	98,8%	93,7%



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	197lx	49lx	22lx	12lx	8lx	4lx	2lx	1lx	0lx	0lx	0lx	0lx	0lx
Footcand.	18fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,6m	7,5m	11,3m	15,1m	18,8m	22,6m	30,1m	37,6m
Beam wid.	2,5ft	5ft	7,4ft	9,9ft	12,3ft	18,5ft	24,7ft	37ft	49,4ft	61,7ft	74,1ft	98,7ft	123,4ft

LINEAR DISTRIBUTION DIAGRAM



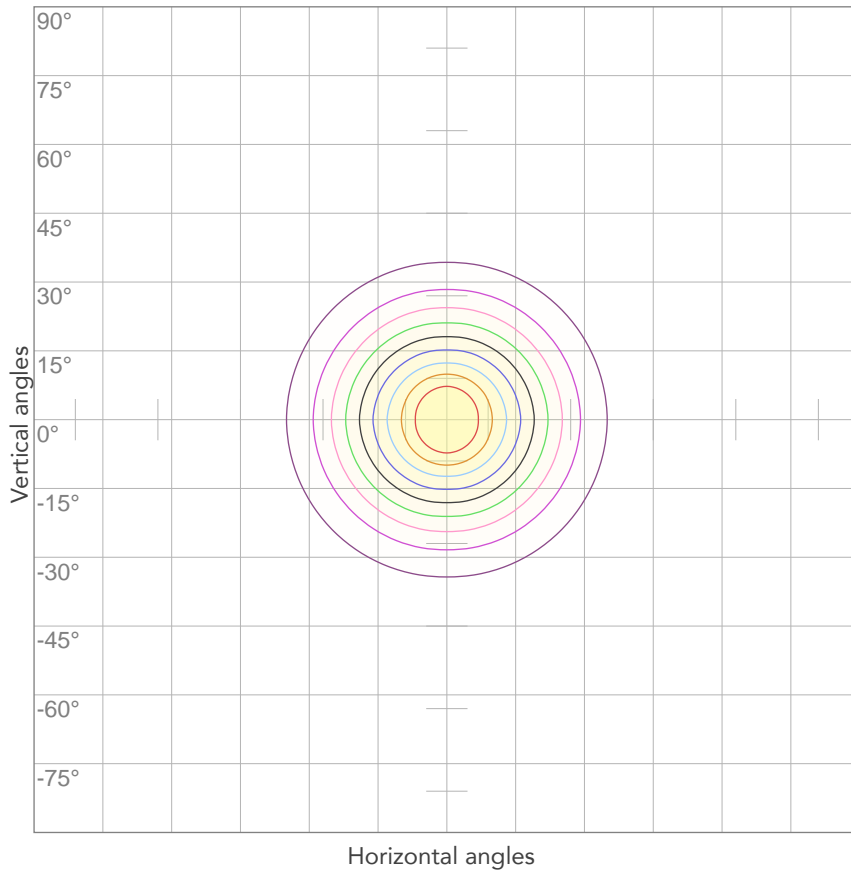
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,101A	17,3W	7lm/W

Power FC
0,76

ISO DIAGRAMS

ISO CANDELA DIAGRAM



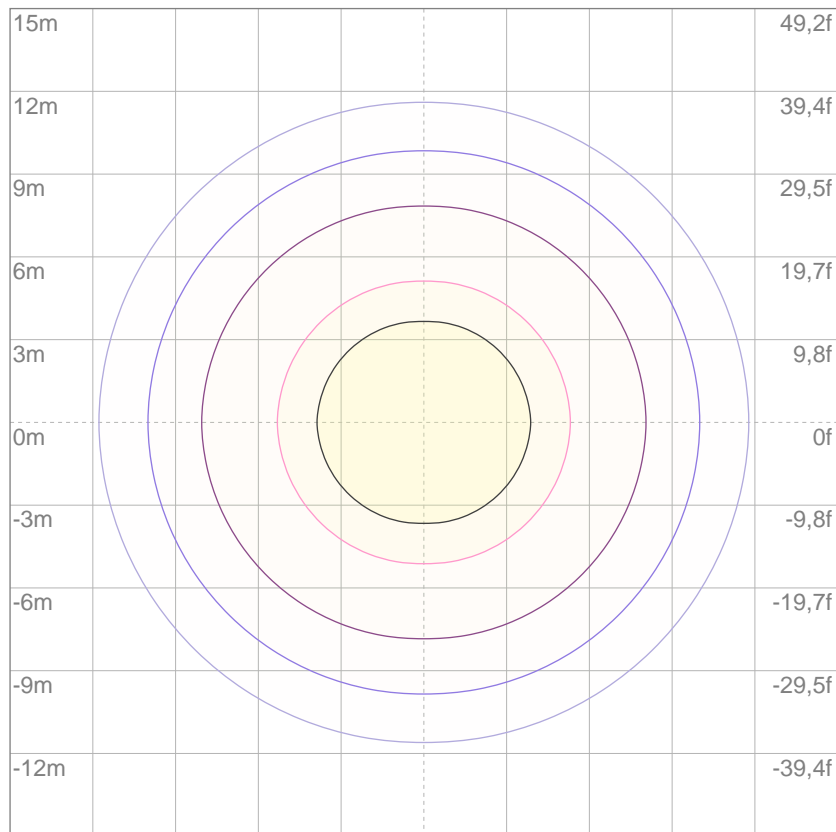
10%	20 cd
20%	39 cd
30%	59 cd
40%	79 cd
50%	99 cd
60%	118 cd
70%	138 cd
80%	158 cd

Conditions:

Number of c-planes: 4

Candela at center: 197 cd

ISO LUX DIAGRAM



3%	59,2m lx
5%	98,7m lx
10%	0,197 lx
30%	0,592 lx
50%	0,987 lx

Conditions:

Number of c-planes: 4

Lux at center: 1,97 lx

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

Total lumen output:

696 lm

Peak candela output:

6717 cd



PRODUCT NAME:

ARCSHINE6

MEASUREMENT CONDITIONS:

Beam angle:

15°

Target:

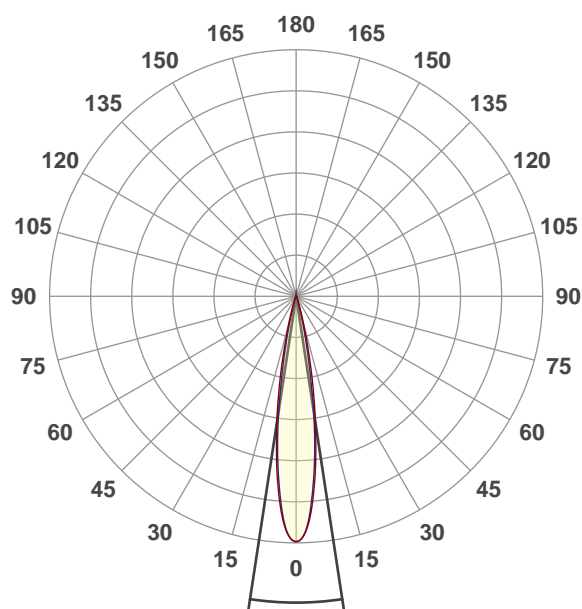
White

Operator:

Paolo Carvone

Date and time:

10/08/2020 12:20:27

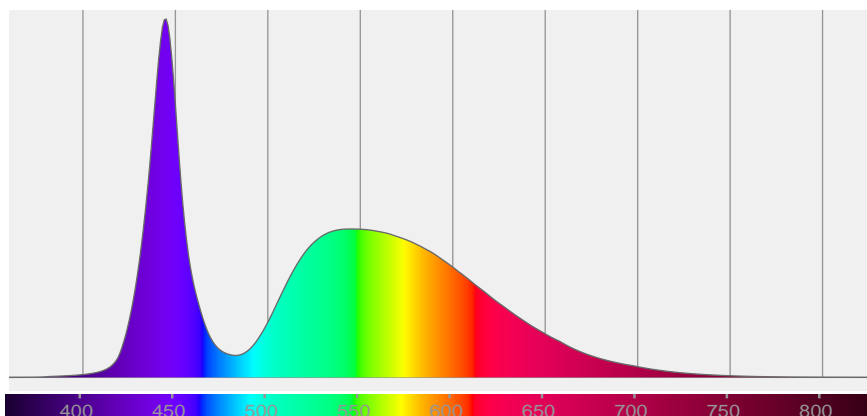


Beam angle 50%: 17,3°

Field angle 10%: 29,8°

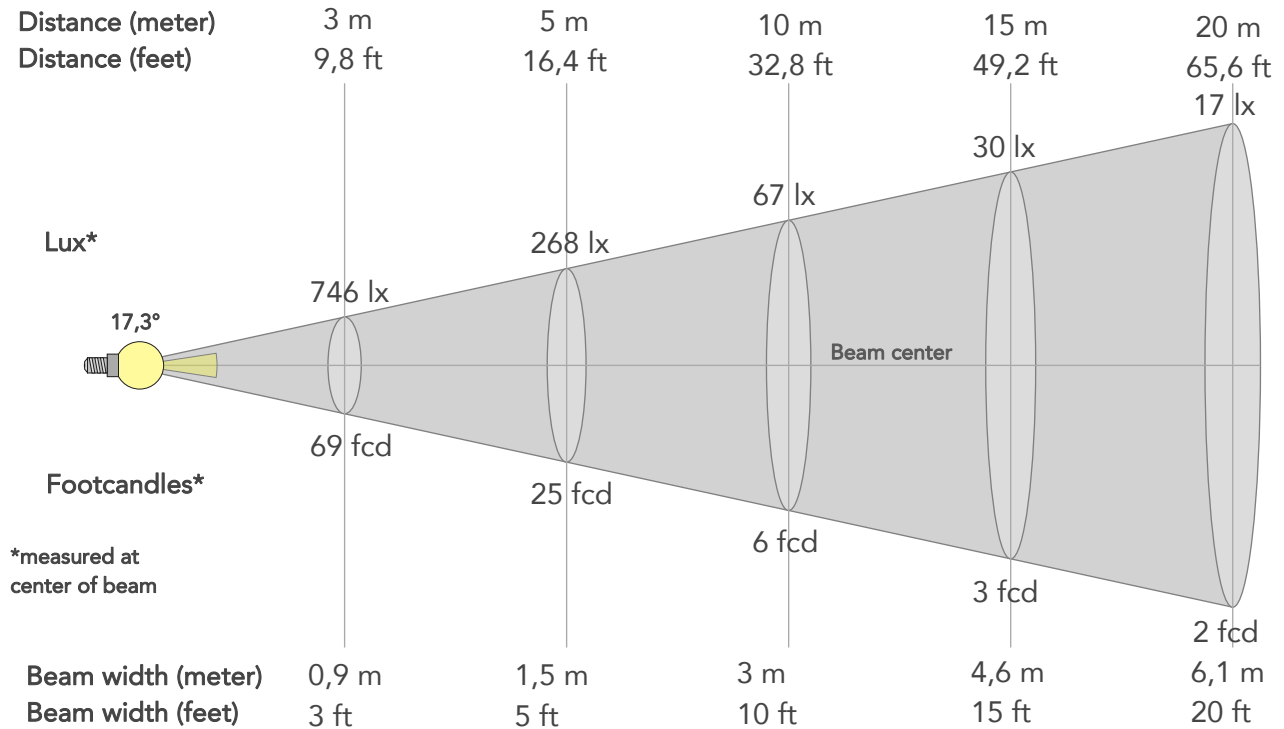
Cut off angle 2.5%: 39,7°

Spectra



BEAM DETAILS

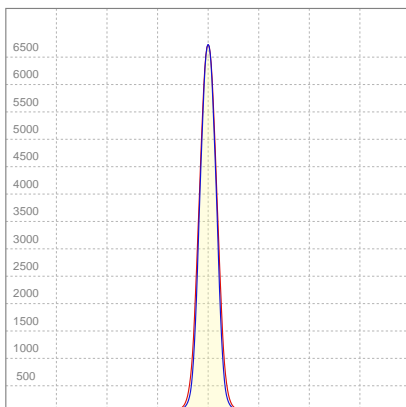
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,3°	29,8°	39,7°	99,9%	99,2%



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	6712lx	1678lx	746lx	419lx	268lx	119lx	67lx	30lx	17lx	11lx	7lx	4lx	3lx
Footcand.	624fcd	156fcd	69fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,3m	3m	4,6m	6,1m	7,6m	9,1m	12,2m	15,2m
Beam wid.	1ft	2ft	3ft	4ft	5ft	7,5ft	10ft	15ft	20ft	25ft	30ft	40ft	50ft

LINEAR DISTRIBUTION DIAGRAM

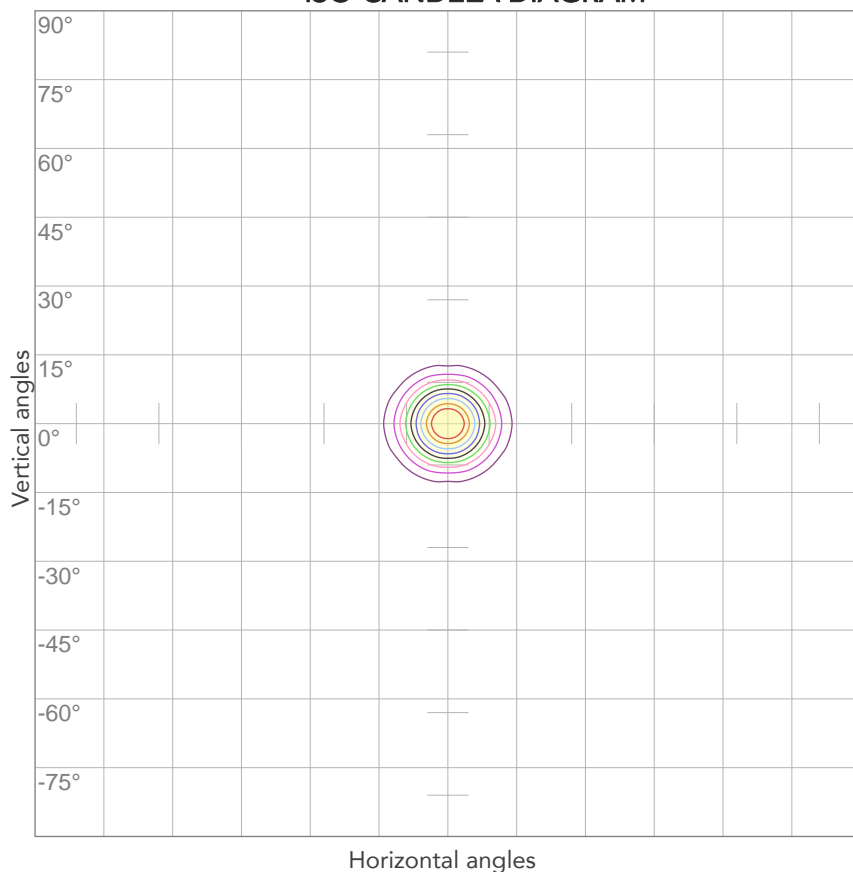


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,097A	16,4W	42lm/W
Power FC			
0,75			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



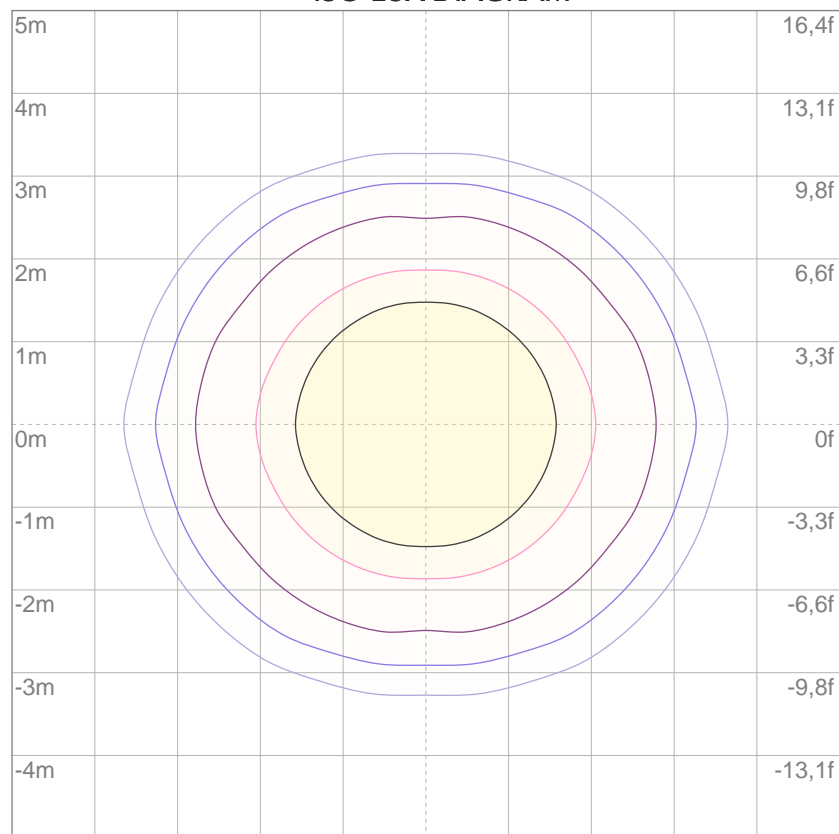
10%	671 cd
20%	1342 cd
30%	2014 cd
40%	2685 cd
50%	3356 cd
60%	4027 cd
70%	4698 cd
80%	5369 cd

Conditions:

Number of c-planes: 4

Candela at center: 6712 cd

ISO LUX DIAGRAM



3%	2,01 lx
5%	3,36 lx
10%	6,71 lx
30%	20,1 lx
50%	33,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 67,1 lx

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

Total lumen output:

658 lm

Peak candela output:

3903 cd



PRODUCT NAME:

ARCSHINE6

MEASUREMENT CONDITIONS:

Beam angle:

25°

Target:

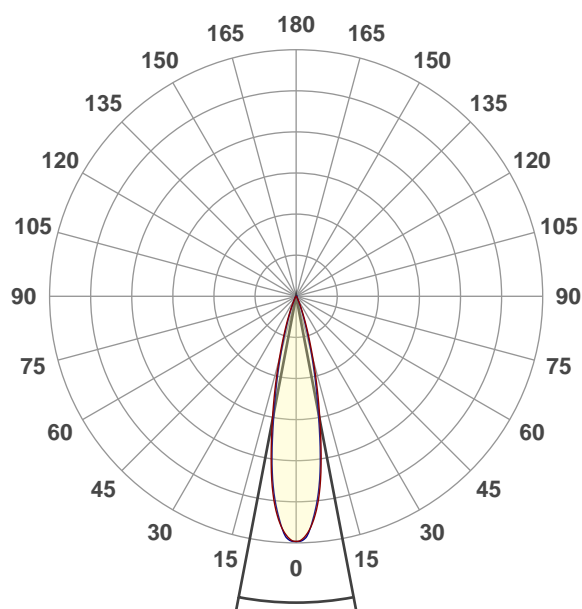
White

Operator:

Paolo Carvone

Date and time:

10/08/2020 14:47:05

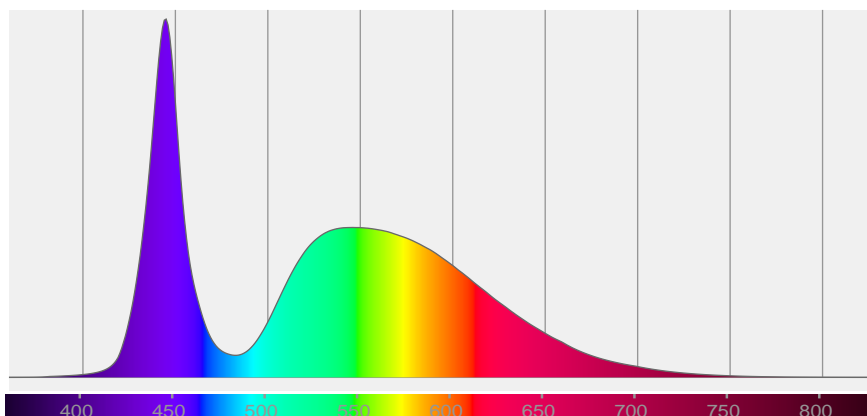


Beam angle 50%: 21,6°

Field angle 10%: 38,8°

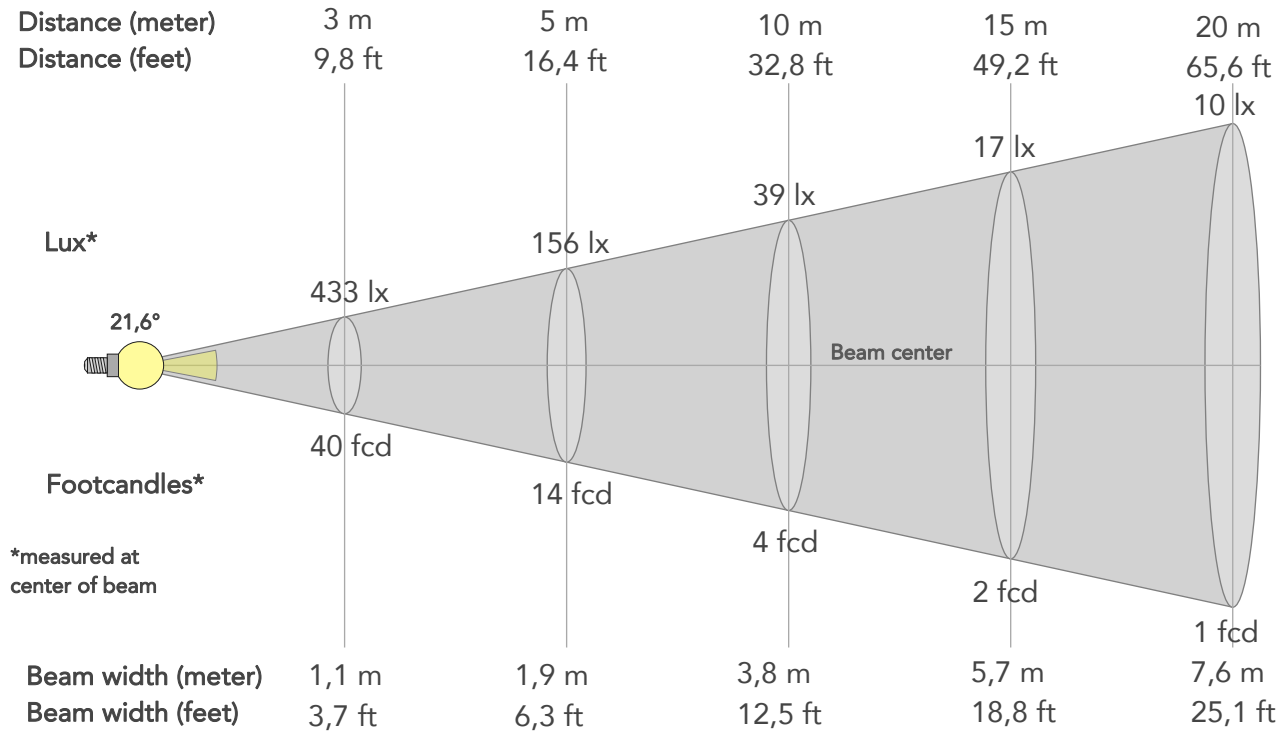
Cut off angle 2.5%: 51,2°

Spectra



BEAM DETAILS

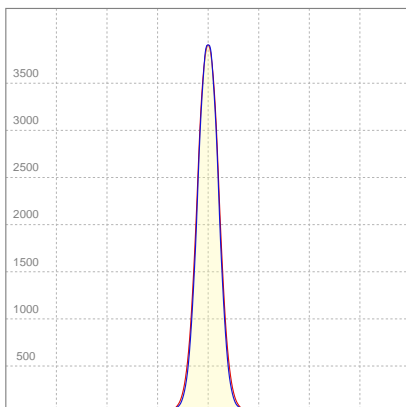
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,6°	38,8°	51,2°	99,8%	98,8%



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	3901lx	975lx	433lx	244lx	156lx	69lx	39lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	362fcd	91fcd	40fcd	23fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,9m	3,8m	5,7m	7,6m	9,6m	11,5m	15,3m	19,1m
Beam wid.	1,3ft	2,5ft	3,7ft	5ft	6,3ft	9,4ft	12,5ft	18,8ft	25,1ft	31,3ft	37,6ft	50,1ft	62,7ft

LINEAR DISTRIBUTION DIAGRAM

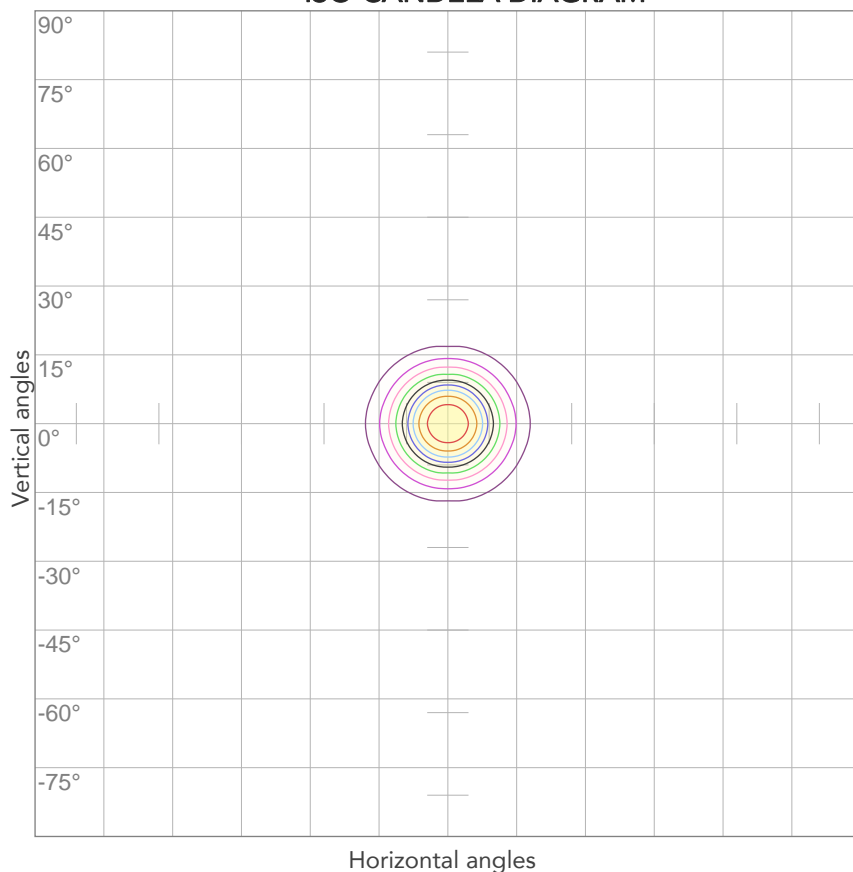


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,098A	16,4W	40lm/W
Power FC			
0,74			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



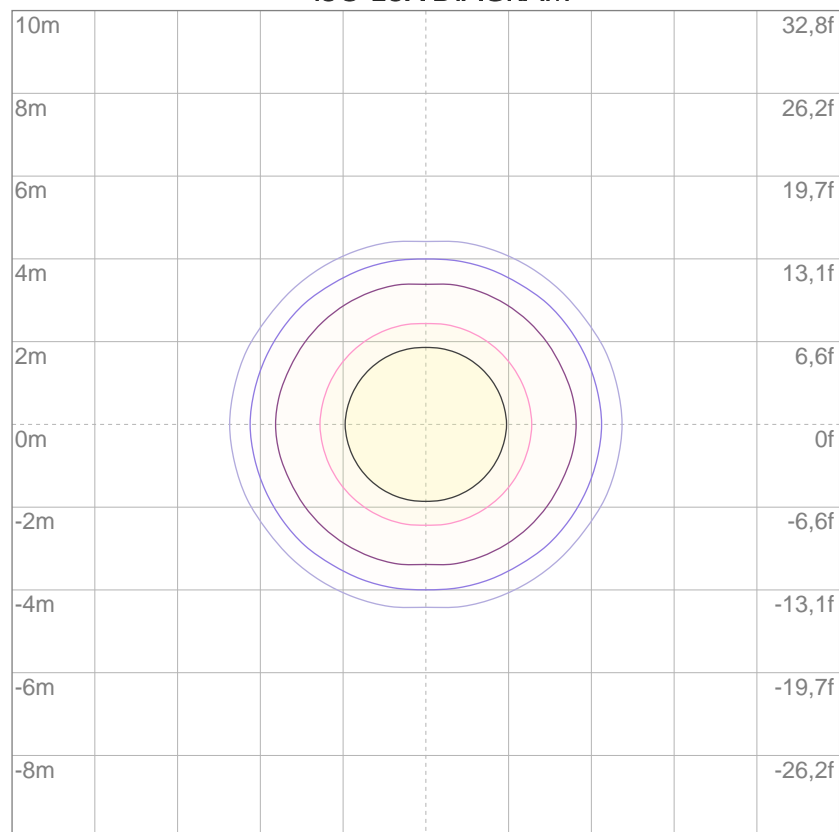
10%	390 cd
20%	780 cd
30%	1170 cd
40%	1560 cd
50%	1951 cd
60%	2341 cd
70%	2731 cd
80%	3121 cd

Conditions:

Number of c-planes: 4

Candela at center: 3901 cd

ISO LUX DIAGRAM



3%	1,17 lx
5%	1,95 lx
10%	3,90 lx
30%	11,7 lx
50%	19,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 39,0 lx

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

Total lumen output:

634 lm

Peak candela output:

1057 cd



PRODUCT NAME:

ARCSHINE6

MEASUREMENT CONDITIONS:

Beam angle:

45°

Target:

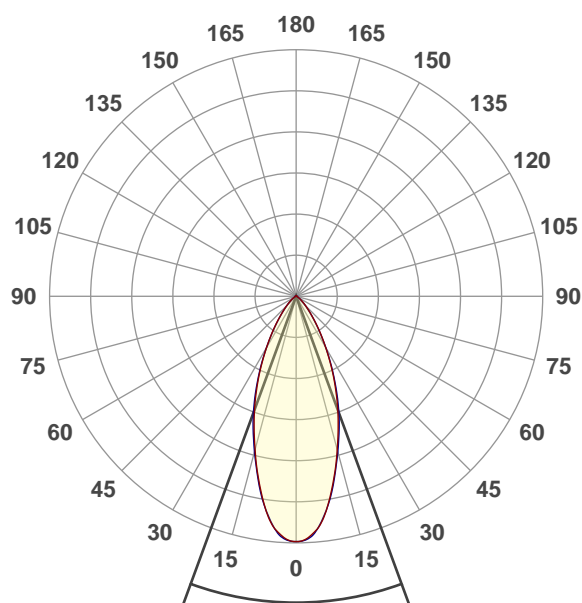
White

Operator:

Paolo Carvone

Date and time:

10/08/2020 15:18:01

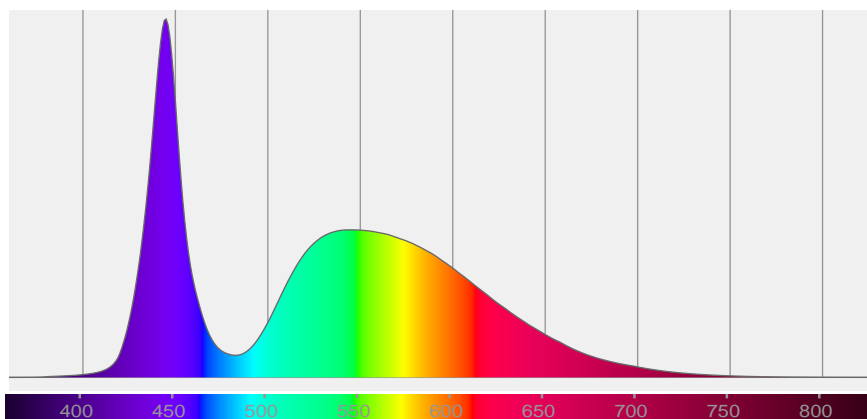


Beam angle 50%: 40,3°

Field angle 10%: 78,1°

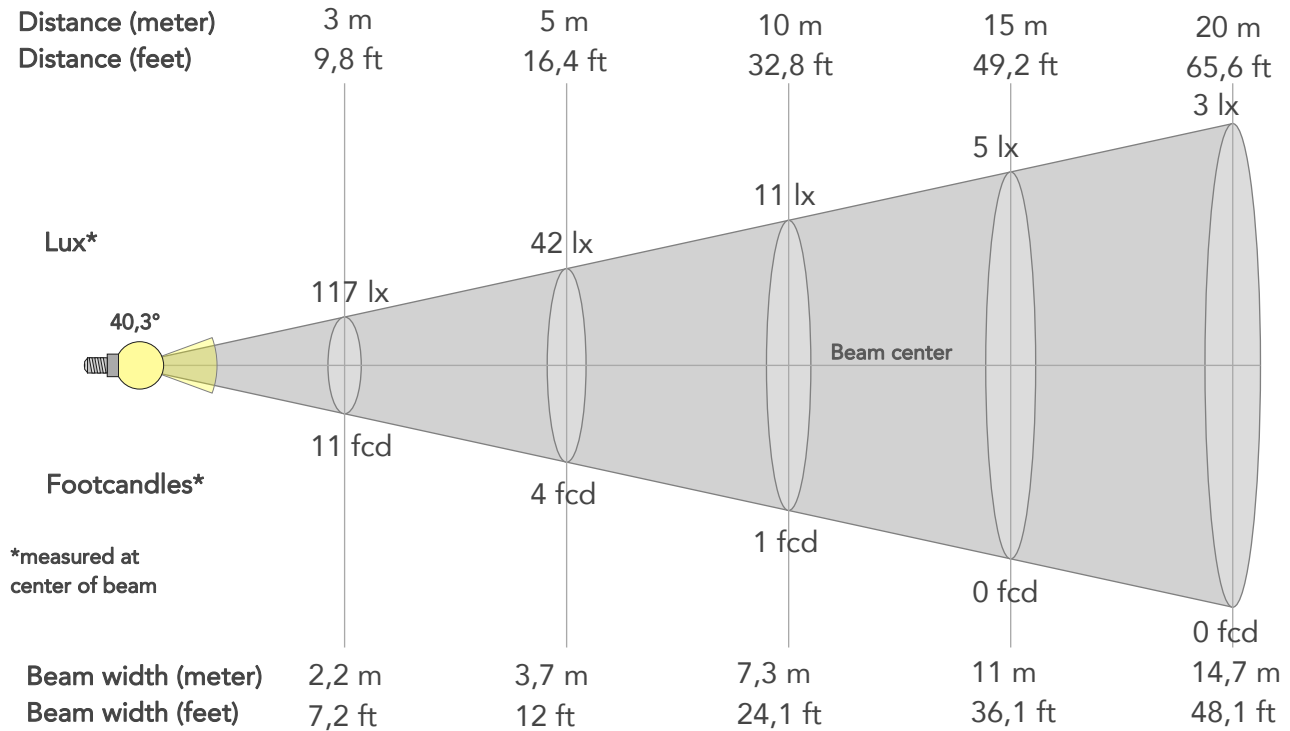
Cut off angle 2.5%: 104,9°

Spectra



BEAM DETAILS

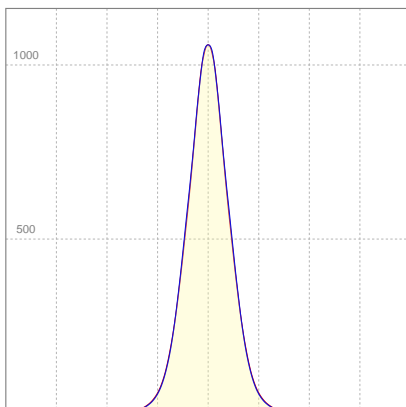
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,3°	78,1°	104,9°	98,4%	92,6%



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	1057lx	264lx	117lx	66lx	42lx	19lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	98fcd	25fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,3m	11m	14,7m	18,3m	22m	29,3m	36,7m
Beam wid.	2,4ft	4,8ft	7,2ft	9,6ft	12ft	18ft	24,1ft	36,1ft	48,1ft	60,1ft	72,2ft	96,2ft	120,3ft

LINEAR DISTRIBUTION DIAGRAM

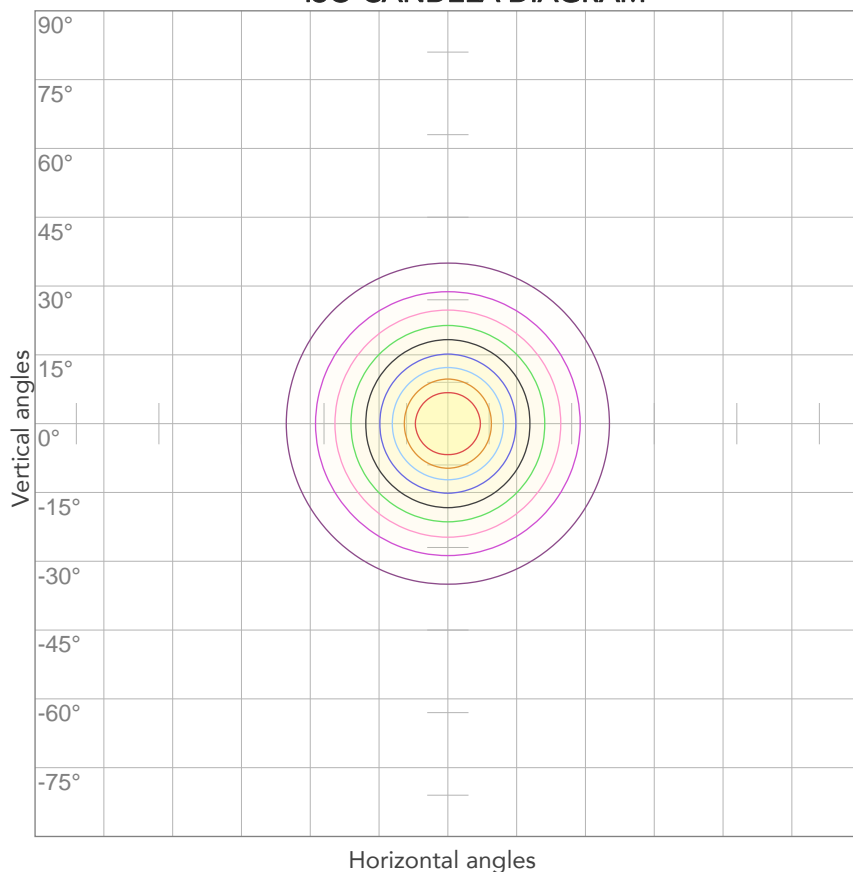


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,097A	16,3W	39lm/W
Power FC			
0,75			

ISO DIAGRAMS

ISO CANDELA DIAGRAM



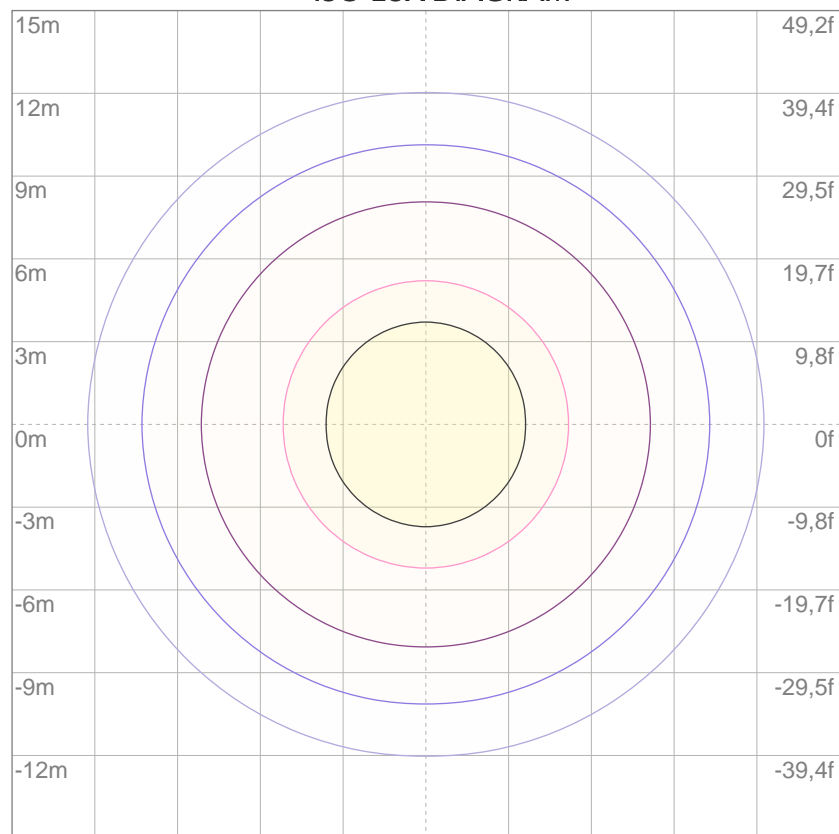
10%	106 cd
20%	211 cd
30%	317 cd
40%	423 cd
50%	528 cd
60%	634 cd
70%	740 cd
80%	845 cd

Conditions:

Number of c-planes: 4

Candela at center: 1057 cd

ISO LUX DIAGRAM



3%	0,317 lx
5%	0,528 lx
10%	1,06 lx
30%	3,17 lx
50%	5,28 lx

Conditions:

Number of c-planes: 4

Lux at center: 10,6 lx

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