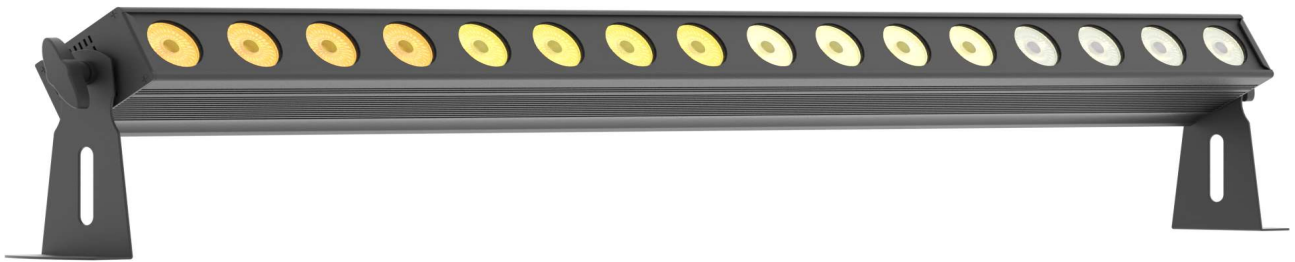


# Photometric Test Report



## LUMIPIX16H

16 x 12 W high power LED pixel batten with  
RGBWA + UV mixing

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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:

4159 lm

Peak candela output:

24533 cd



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

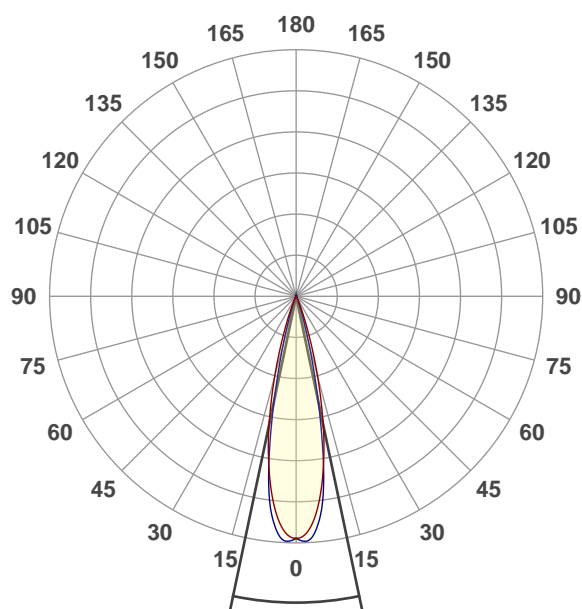
Full On

Operator:

Paolo Carvone

Date and time:

10/06/2021 10:44:38

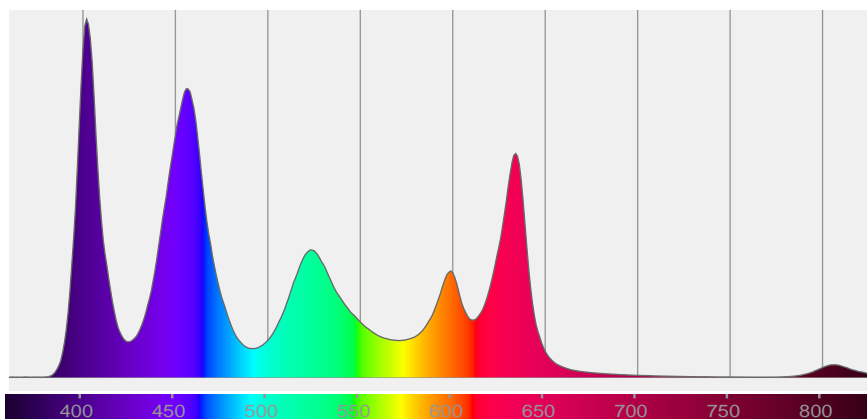


Beam angle 50%: 23,8°

Field angle 10%: 37,6°

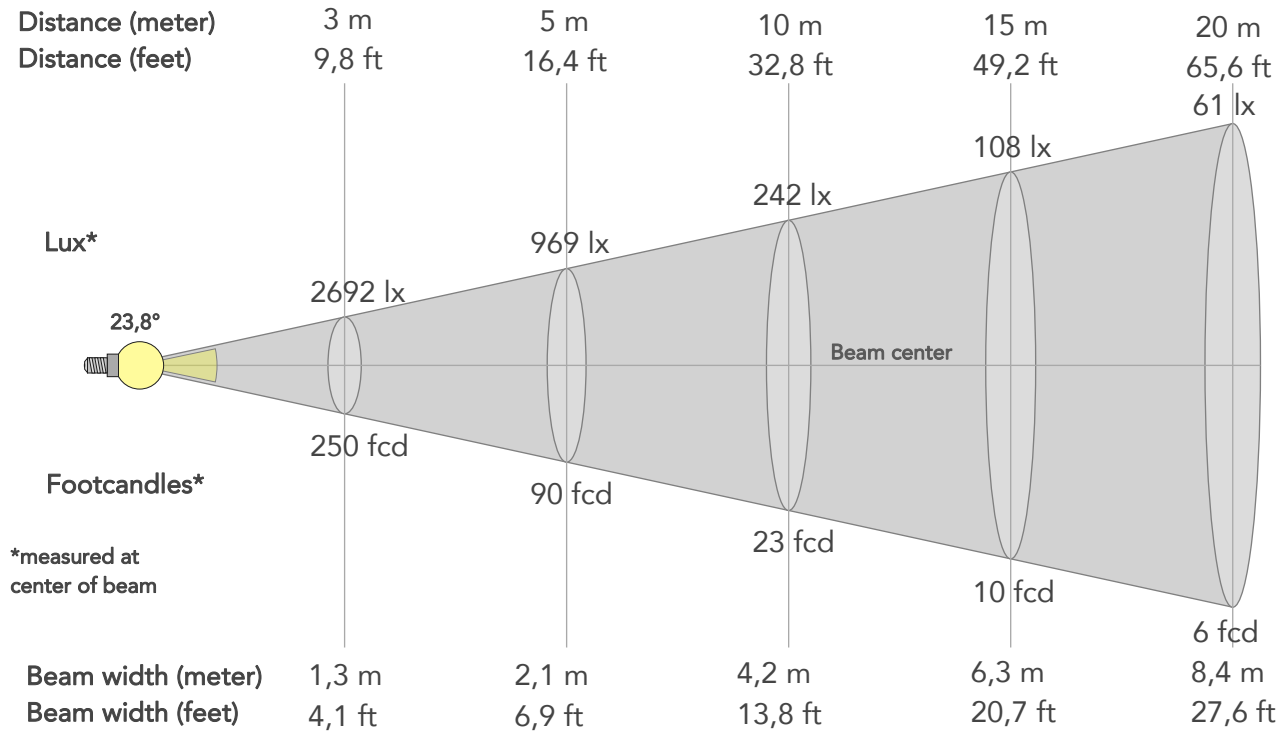
Cut off angle 2.5%: 47,3°

Spectra



## BEAM DETAILS

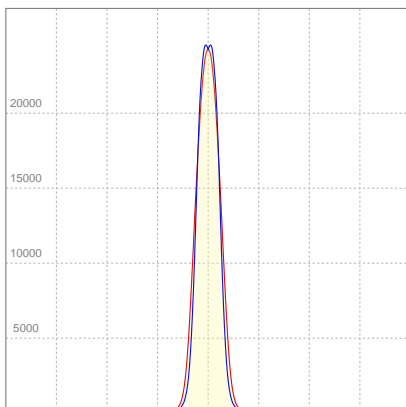
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,8°	37,6°	47,3°	100,0%	99,7%



### 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	24229lx	6057lx	2692lx	1514lx	969lx	431lx	242lx	108lx	61lx	39lx	27lx	15lx	10lx
Footcand.	2251fcd	563fcd	250fcd	141fcd	90fcd	40fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,2m	4,2m	6,3m	8,4m	10,5m	12,6m	16,8m	21m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,9ft	10,4ft	13,8ft	20,7ft	27,6ft	34,5ft	41,4ft	55,2ft	69ft

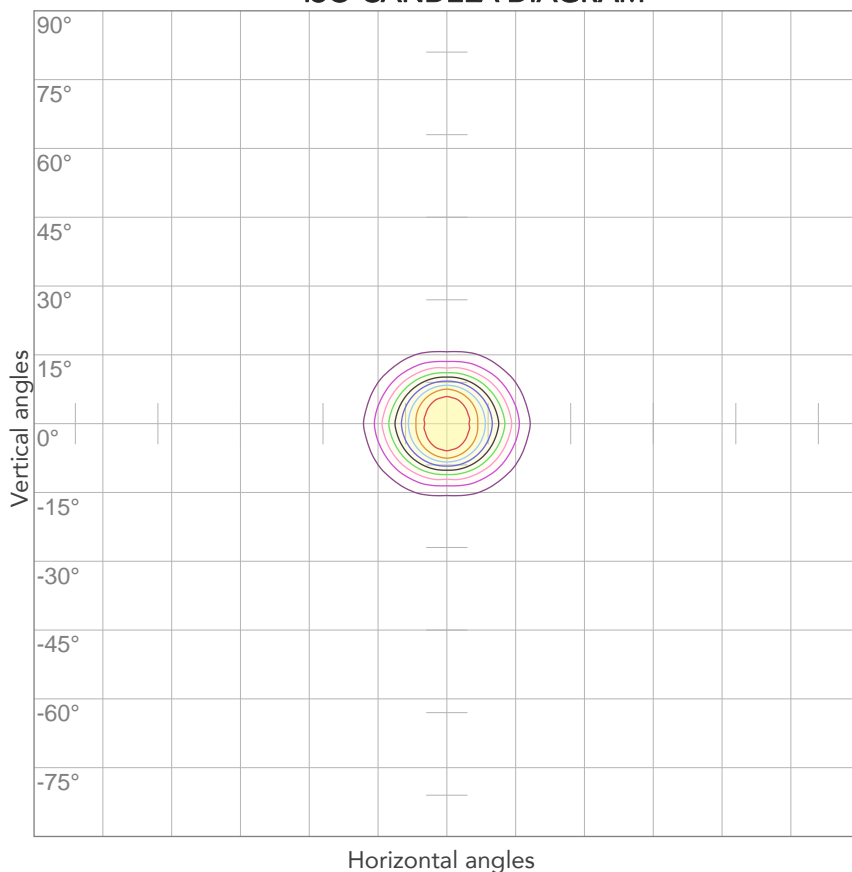
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,780A	157,7W	26lm/W
Power FC			
0,9			

## ISO CANDELA DIAGRAM



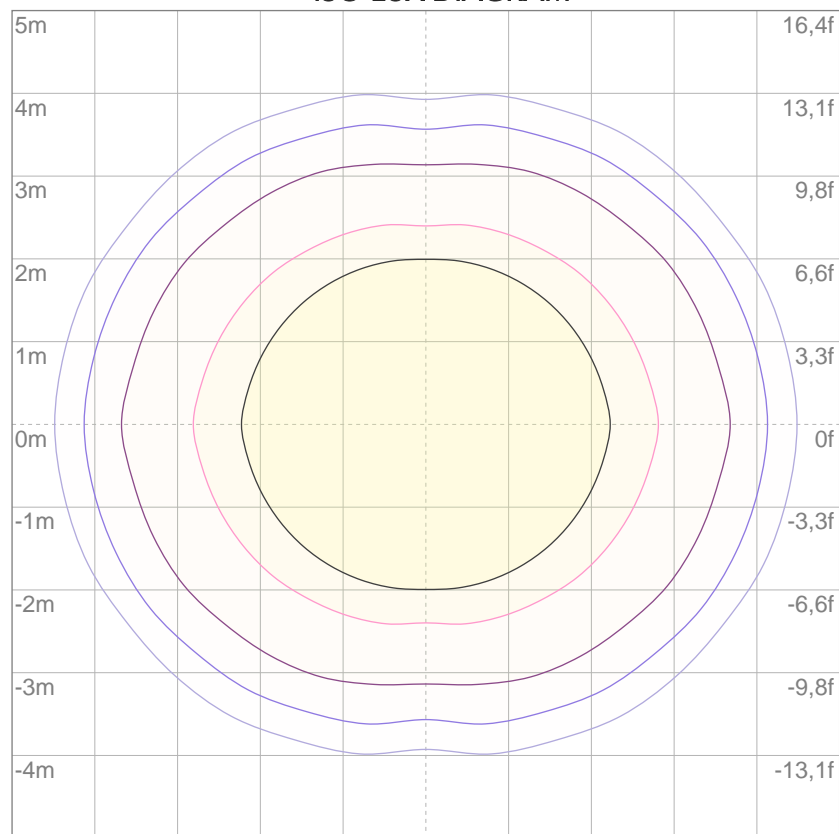
10%	2423 cd
20%	4846 cd
30%	7269 cd
40%	9691 cd
50%	12114 cd
60%	14537 cd
70%	16960 cd
80%	19383 cd

### Conditions:

Number of c-planes: 4

Candela at center: 24229 cd

## ISO LUX DIAGRAM



3%	7,27 lx
5%	12,1 lx
10%	24,2 lx
30%	72,7 lx
50%	121 lx

### Conditions:

Number of c-planes: 4

Lux at center: 242 lx

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

Total lumen output:

4049 lm

Peak candela output:

17284 cd



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

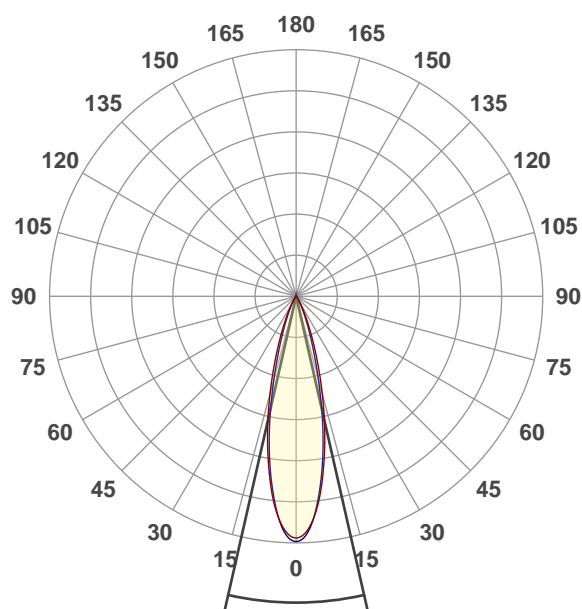
Full On

Operator:

Paolo Carvone

Date and time:

10/06/2021 11:51:29

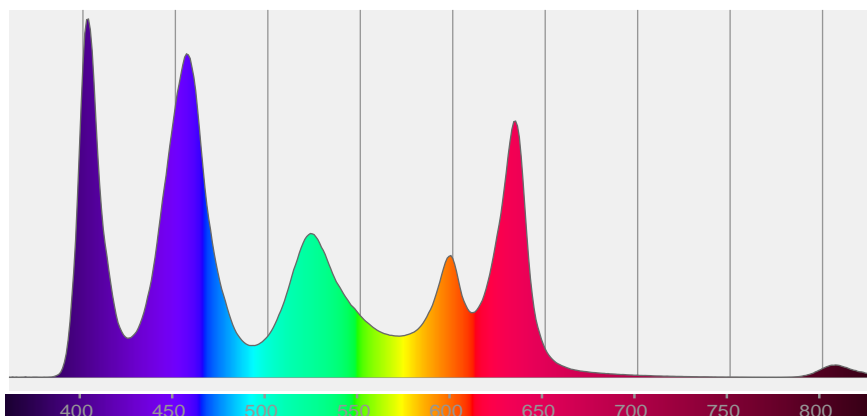


Beam angle 50%: 25,6°

Field angle 10%: 47,5°

Cut off angle 2.5%: 62,4°

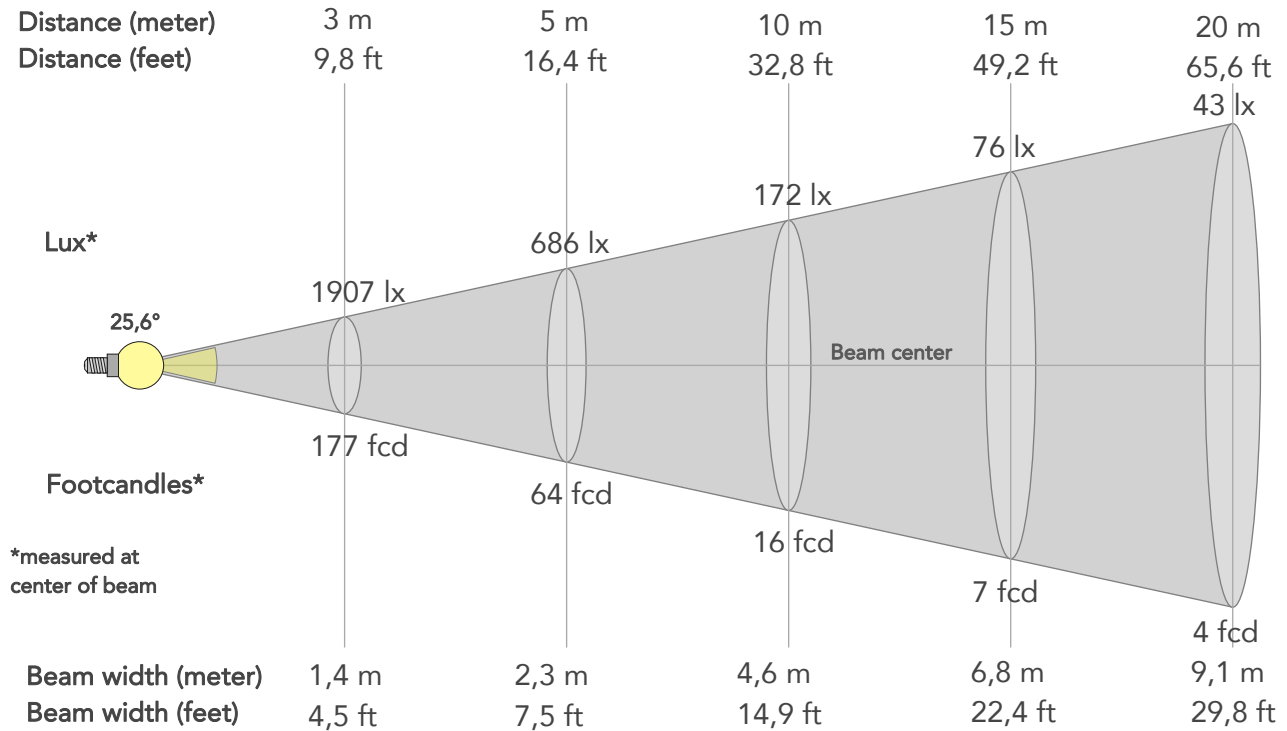
**Spectra**



# BEAM DETAILS



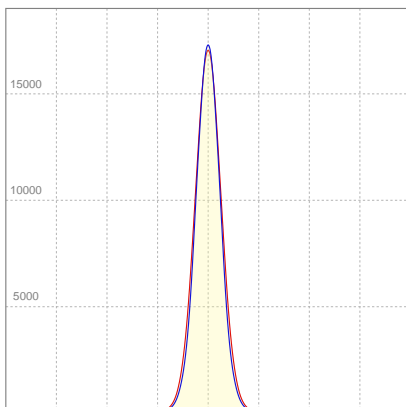
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25,6°	47,5°	62,4°	99,8%	98,8%



## 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	17161lx	4290lx	1907lx	1073lx	686lx	305lx	172lx	76lx	43lx	27lx	19lx	11lx	7lx
Footcand.	1594fcd	399fcd	177fcd	100fcd	64fcd	28fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,5m	0,9m	1,4m	1,8m	2,3m	3,4m	4,6m	6,8m	9,1m	11,4m	13,7m	18,2m	22,8m
Beam wid.	1,5ft	3ft	4,5ft	6ft	7,5ft	11,2ft	14,9ft	22,4ft	29,8ft	37,3ft	44,8ft	59,7ft	74,6ft

## LINEAR DISTRIBUTION DIAGRAM



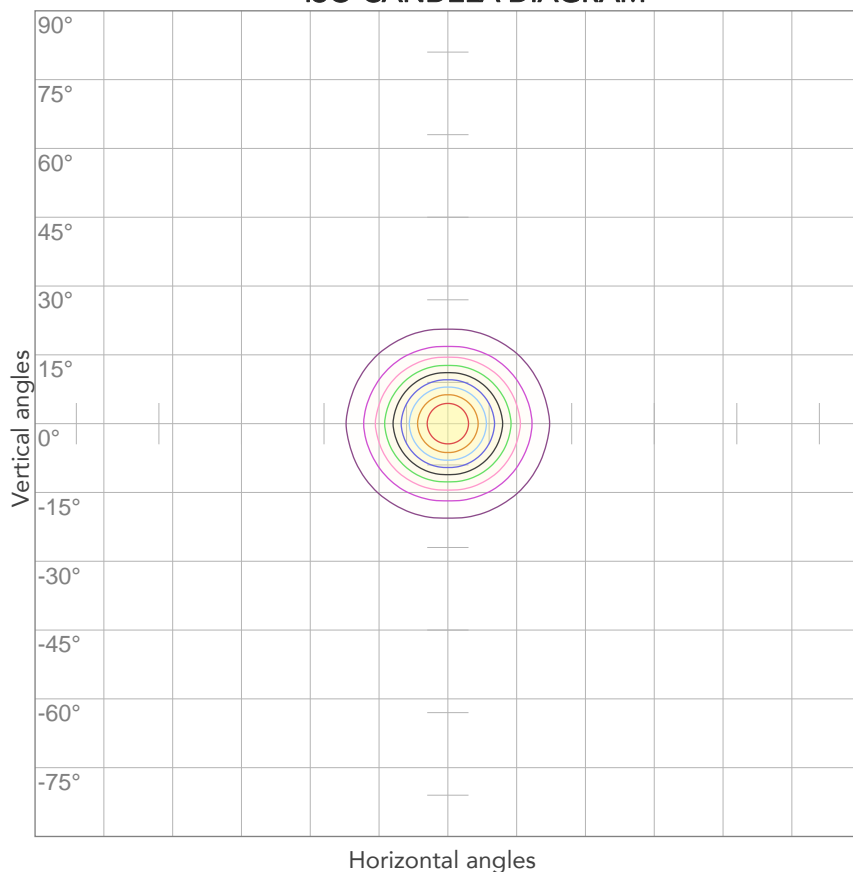
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,782A	158,5W	26lm/W

Power FC
0,9



## ISO CANDELA DIAGRAM



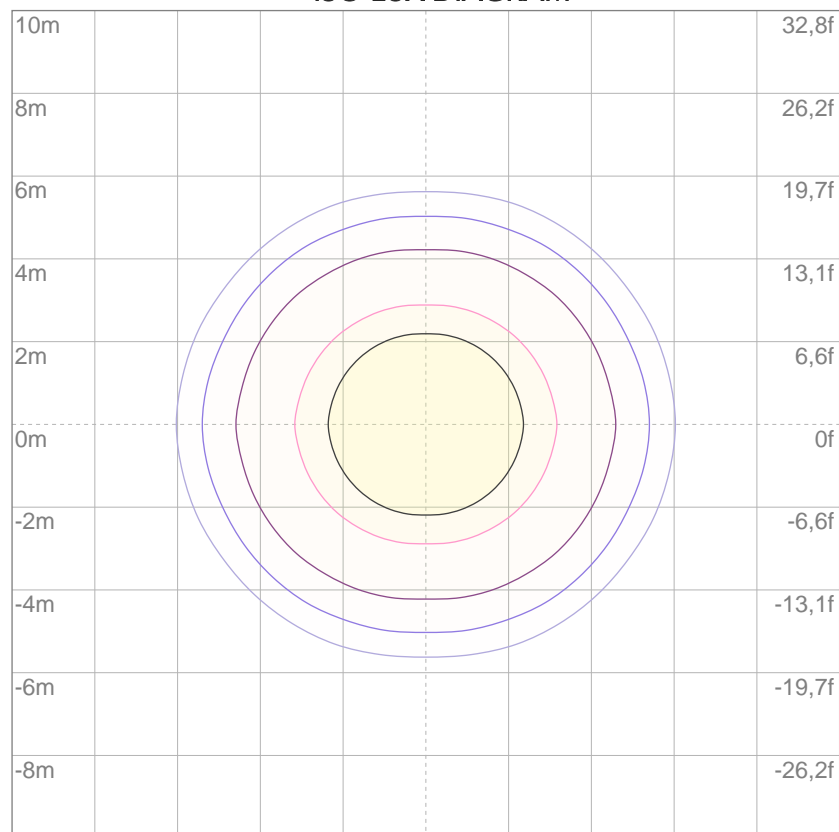
10%	1716 cd
20%	3432 cd
30%	5148 cd
40%	6864 cd
50%	8581 cd
60%	10297 cd
70%	12013 cd
80%	13729 cd

### Conditions:

Number of c-planes: 4

Candela at center: 17161 cd

## ISO LUX DIAGRAM



3%	5,15 lx
5%	8,58 lx
10%	17,2 lx
30%	51,5 lx
50%	85,8 lx

### Conditions:

Number of c-planes: 4

Lux at center: 172 lx

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

Total lumen output:

675 lm

Peak candela output:

4399 cd



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

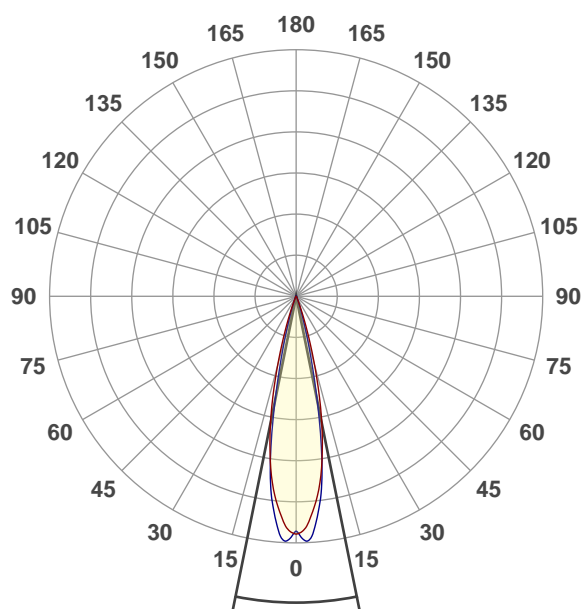
Red

Operator:

Paolo Carvone

Date and time:

10/06/2021 10:47:18

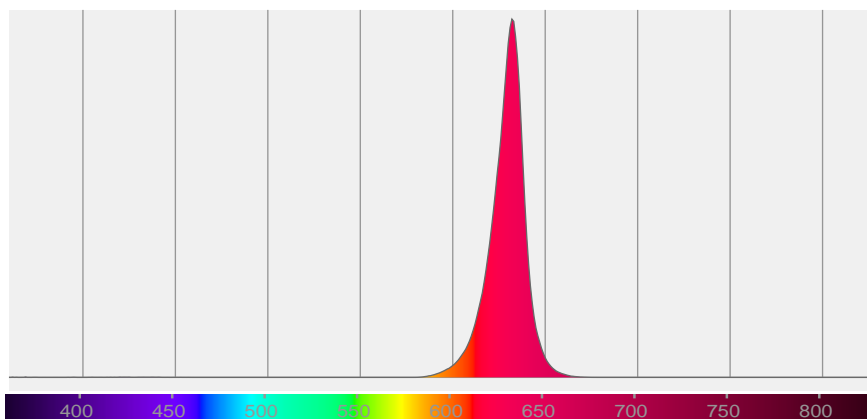


Beam angle 50%: 22,8°

Field angle 10%: 35,9°

Cut off angle 2.5%: 44,9°

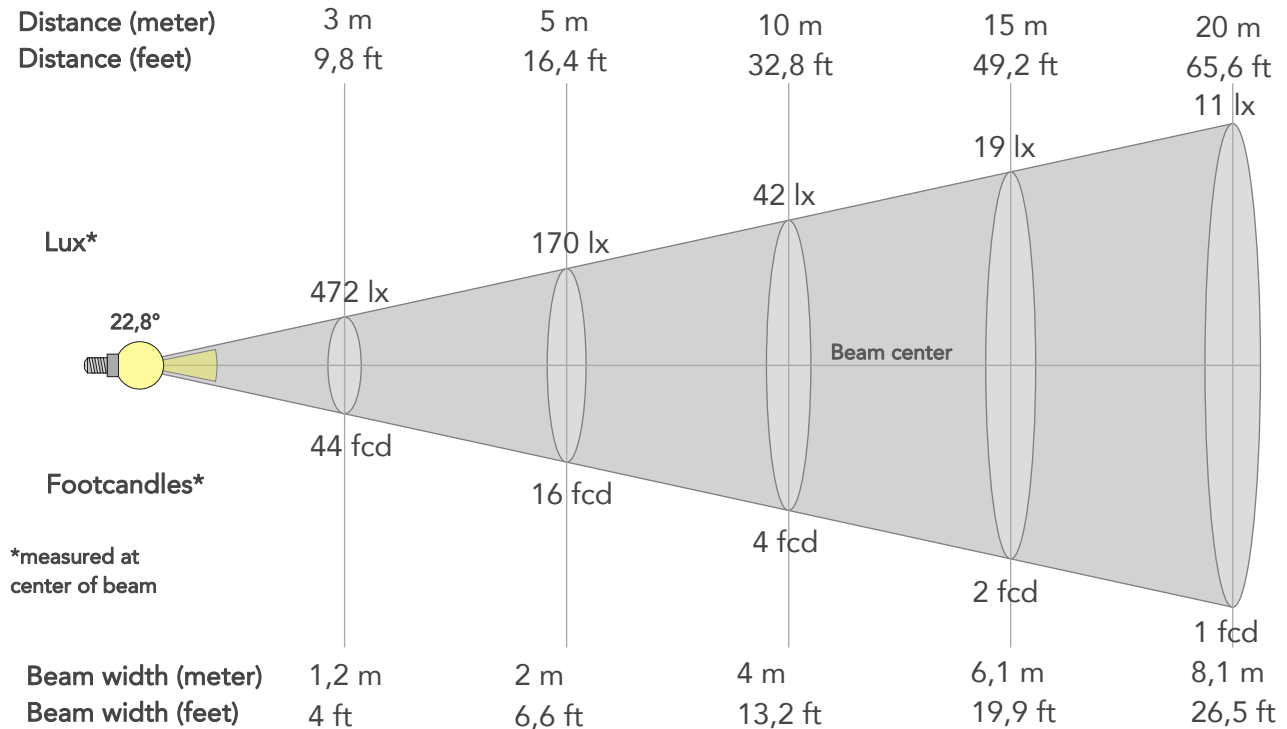
**Spectra**



## BEAM DETAILS



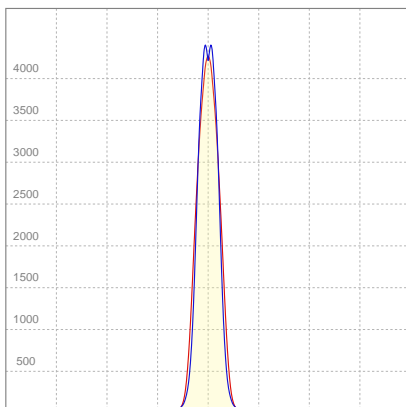
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,8°	35,9°	44,9°	100,0%	99,5%



### 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	4246lx	1062lx	472lx	265lx	170lx	75lx	42lx	19lx	11lx	7lx	5lx	3lx	2lx
Footcand.	394fcd	99fcd	44fcd	25fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4m	6,1m	8,1m	10,1m	12,1m	16,2m	20,2m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,6ft	9,9ft	13,2ft	19,9ft	26,5ft	33,1ft	39,7ft	53ft	66,2ft

### LINEAR DISTRIBUTION DIAGRAM

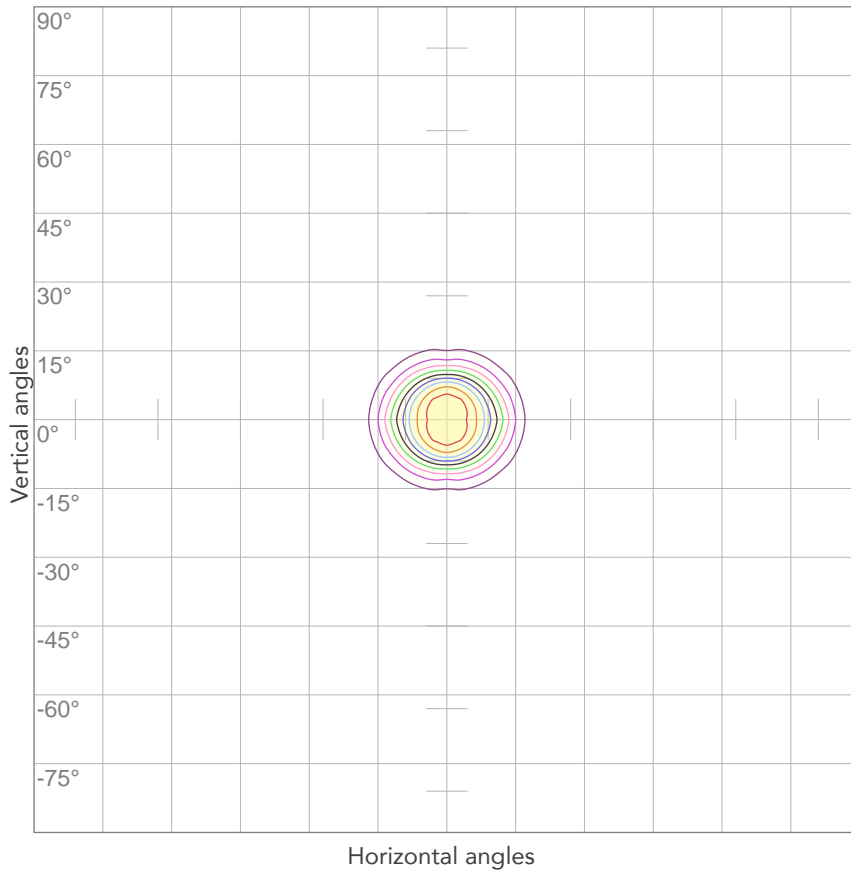


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,284A	28,5W	24lm/W

Power FC
0,44

## ISO CANDELA DIAGRAM



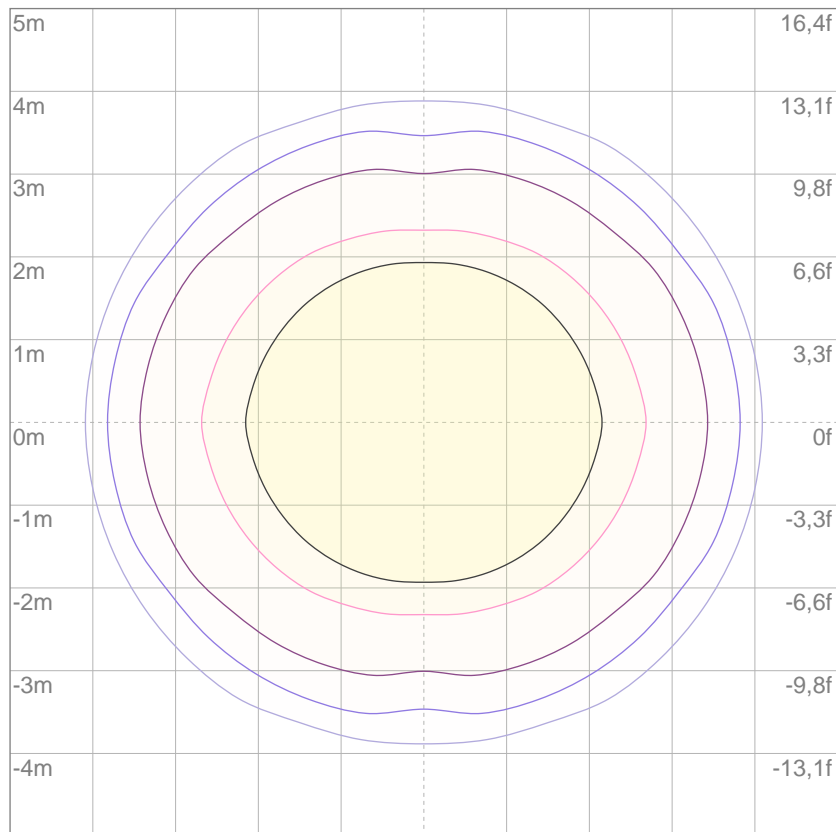
10%	425 cd
20%	849 cd
30%	1274 cd
40%	1698 cd
50%	2123 cd
60%	2548 cd
70%	2972 cd
80%	3397 cd

### Conditions:

Number of c-planes: 4

Candela at center: 4246 cd

## ISO LUX DIAGRAM



3%	1,27 lx
5%	2,12 lx
10%	4,25 lx
30%	12,7 lx
50%	21,2 lx

### Conditions:

Number of c-planes: 4

Lux at center: 42,5 lx

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

Total lumen output:

643 lm

Peak candela output:

3173 cd



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

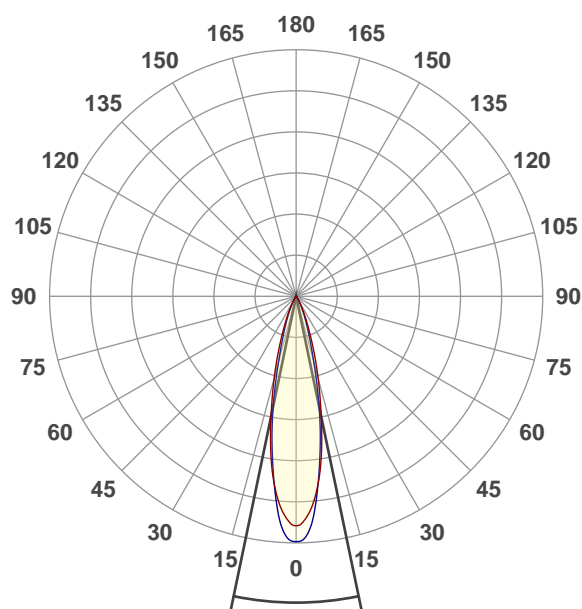
Red

Operator:

Paolo Carvone

Date and time:

10/06/2021 11:55:10

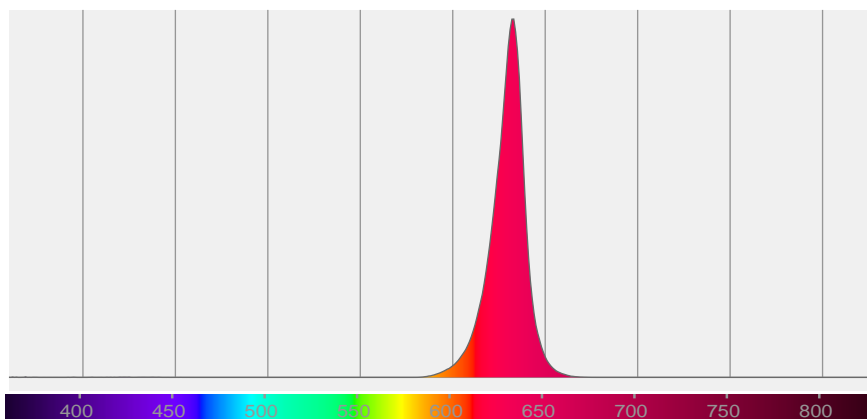


Beam angle 50%: 23,5°

Field angle 10%: 45,3°

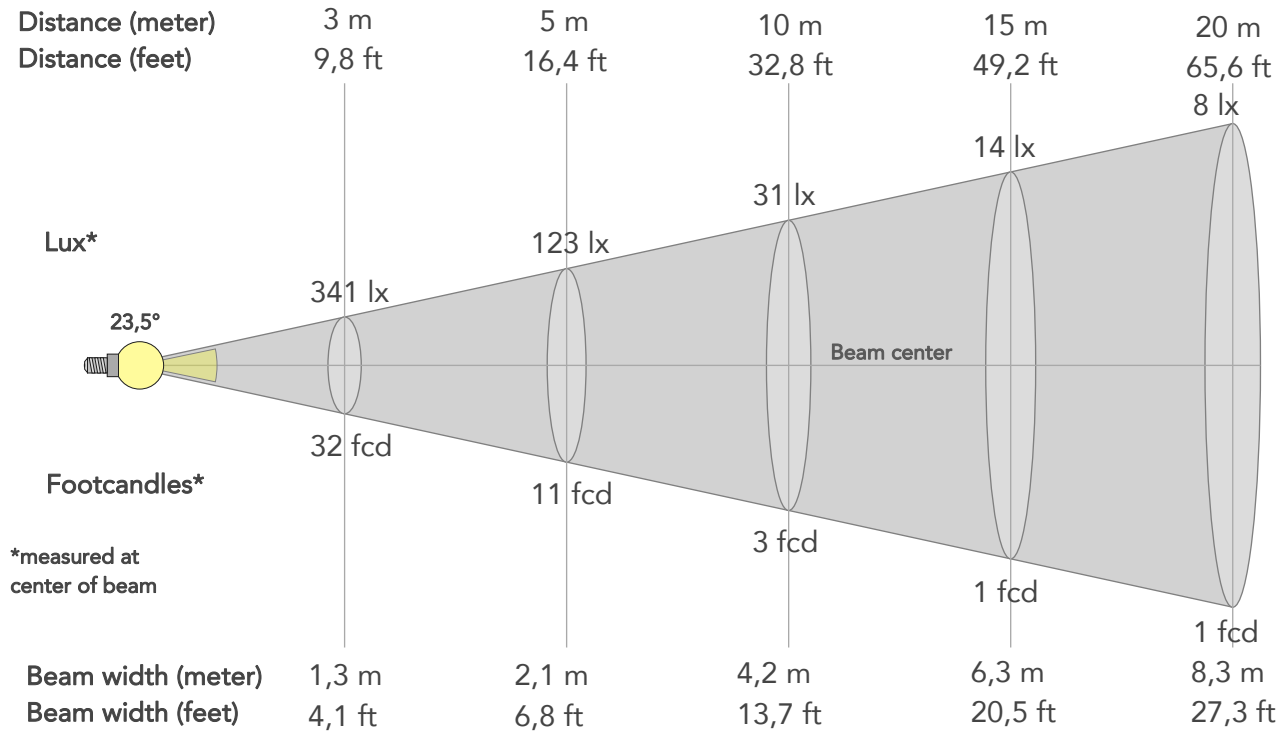
Cut off angle 2.5%: 59,7°

**Spectra**



## BEAM DETAILS

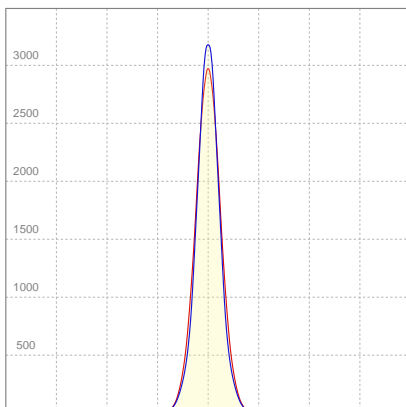
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	45,3°	59,7°	99,6%	98,4%



### 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	3069lx	767lx	341lx	192lx	123lx	55lx	31lx	14lx	8lx	5lx	3lx	2lx	1lx
Footcand.	285fcd	71fcd	32fcd	18fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,1m	4,2m	6,3m	8,3m	10,4m	12,5m	16,7m	20,8m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,8ft	10,3ft	13,7ft	20,5ft	27,3ft	34,2ft	41ft	54,7ft	68,4ft

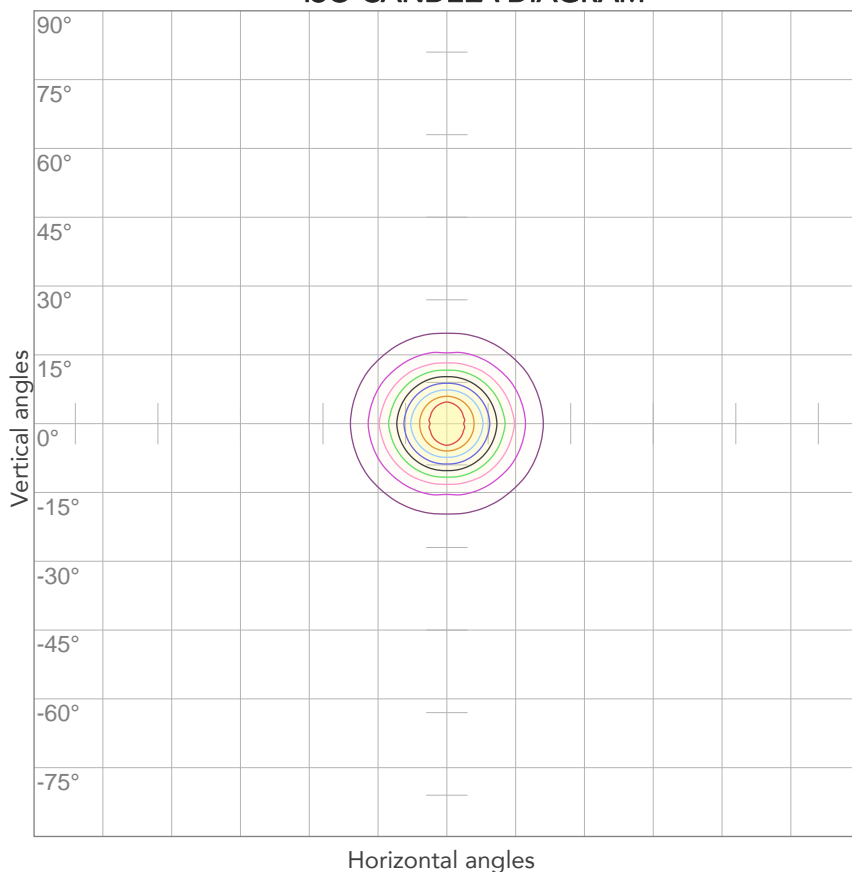
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,285A	28,6W	22lm/W
Power FC			
0,44			

## ISO CANDELA DIAGRAM



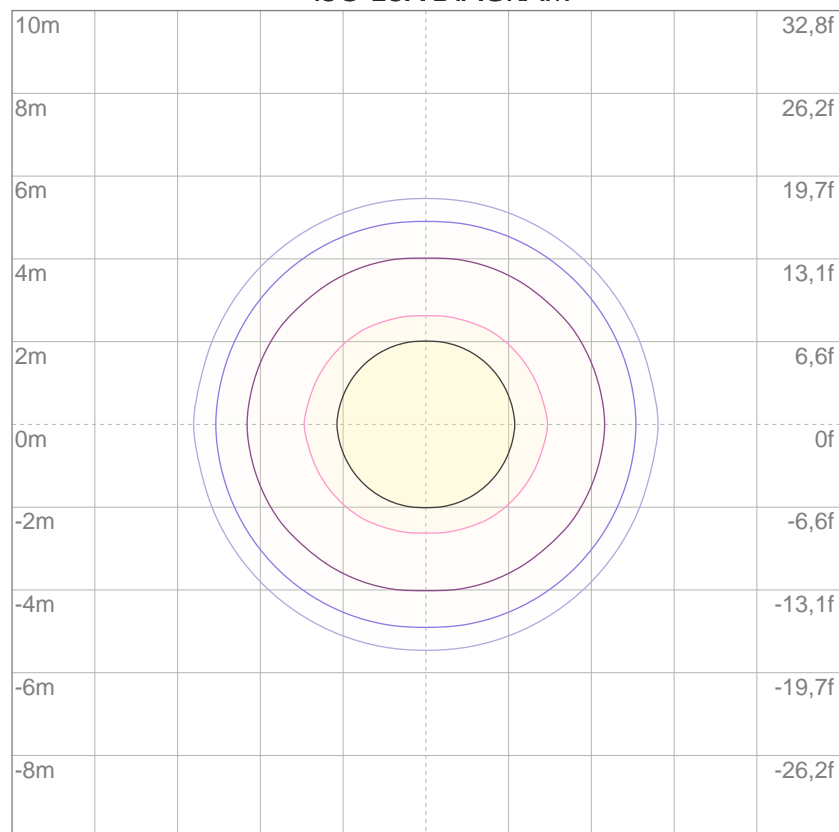
10%	307 cd
20%	614 cd
30%	921 cd
40%	1228 cd
50%	1535 cd
60%	1842 cd
70%	2148 cd
80%	2455 cd

### Conditions:

Number of c-planes: 4

Candela at center: 3069 cd

## ISO LUX DIAGRAM



3%	0,921 lx
5%	1,53 lx
10%	3,07 lx
30%	9,21 lx
50%	15,3 lx

### Conditions:

Number of c-planes: 4

Lux at center: 30,7 lx

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

Total lumen output:

1463 lm

Peak candela output:

9251 cd



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

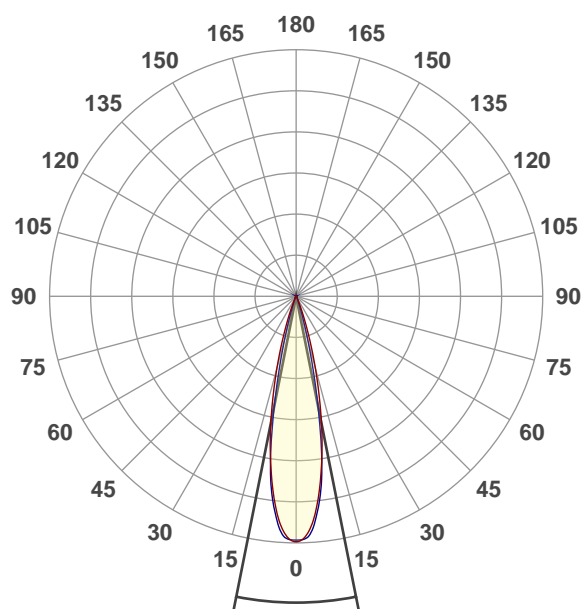
Green

Operator:

Paolo Carvone

Date and time:

10/06/2021 11:05:58

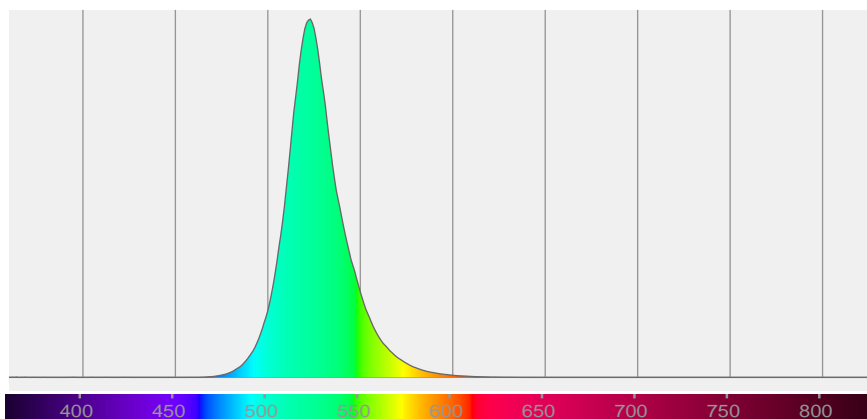


Beam angle 50%: 22,5°

Field angle 10%: 36,7°

Cut off angle 2.5%: 45,8°

**Spectra**

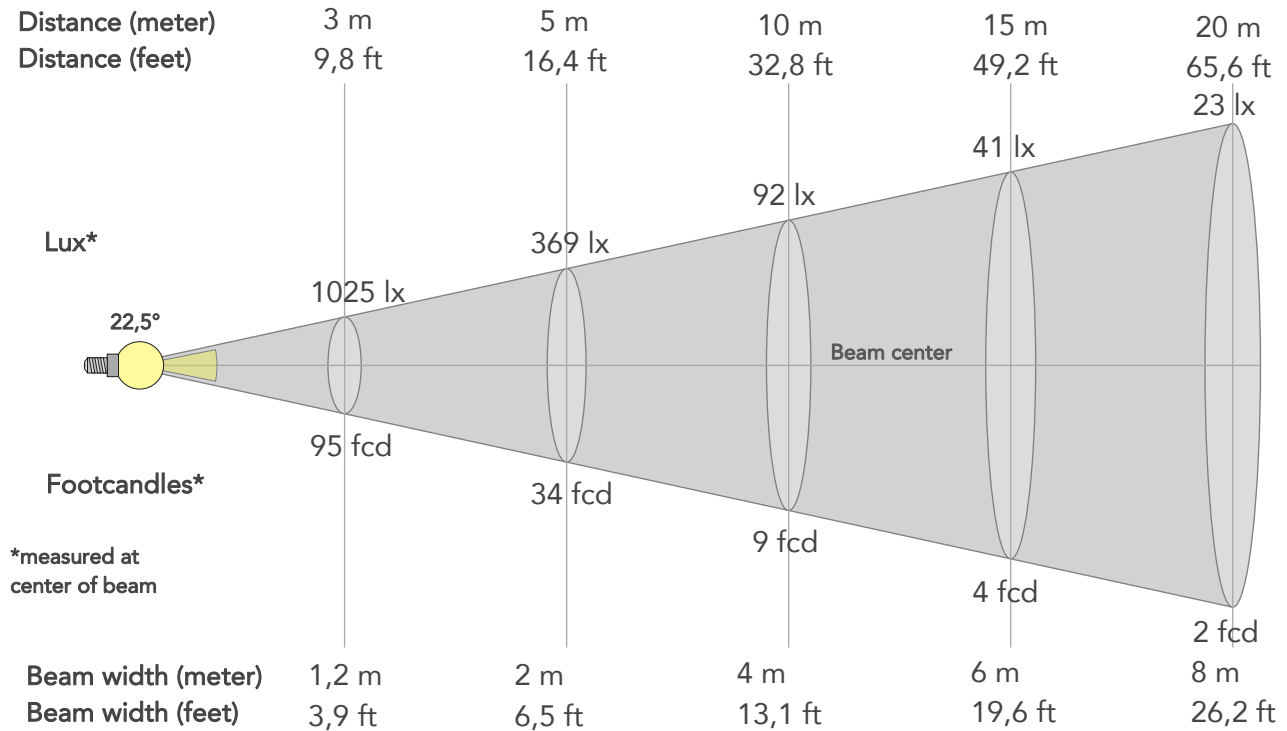




## BEAM DETAILS



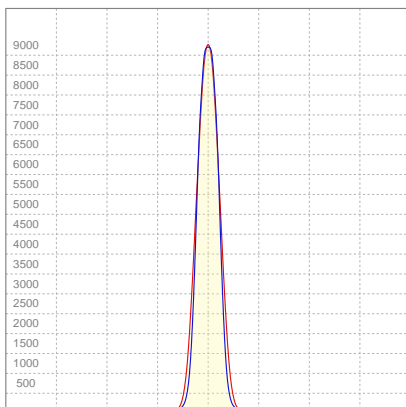
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,5°	36,7°	45,8°	100,0%	99,4%



### 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	9226lx	2306lx	1025lx	577lx	369lx	164lx	92lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	857fcd	214fcd	95fcd	54fcd	34fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4m	6m	8m	10m	12m	15,9m	19,9m
Beam wid.	1,3ft	2,6ft	3,9ft	5,2ft	6,5ft	9,8ft	13,1ft	19,6ft	26,2ft	32,7ft	39,2ft	52,3ft	65,4ft

### LINEAR DISTRIBUTION DIAGRAM

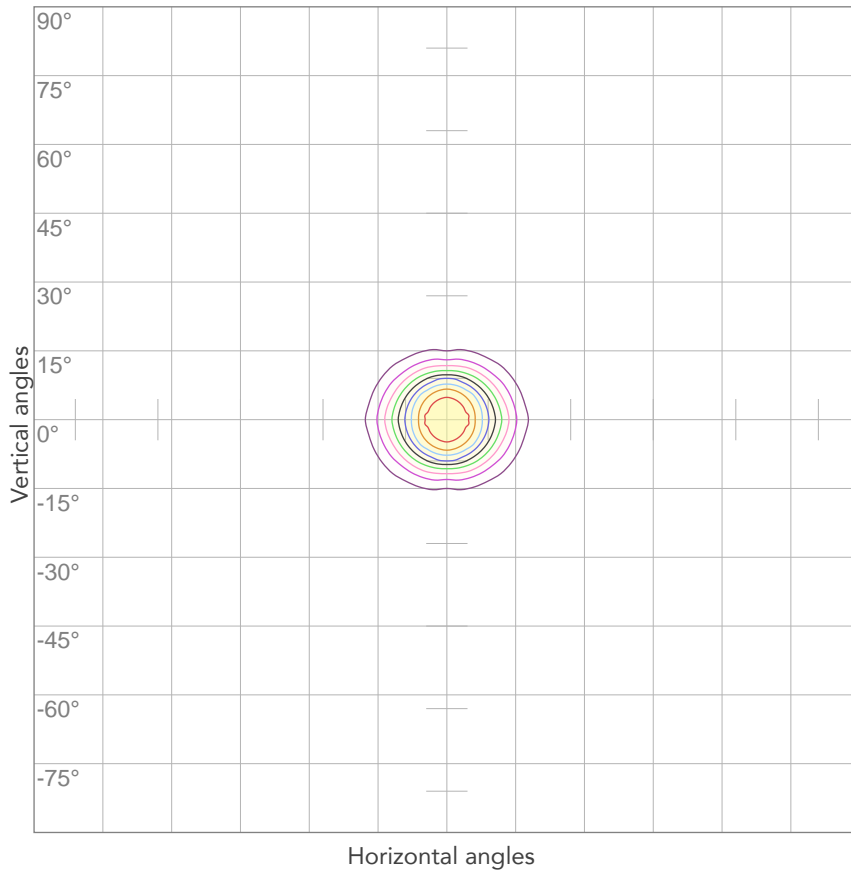


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,299A	33,8W	43lm/W

Power FC
0,5

## ISO CANDELA DIAGRAM



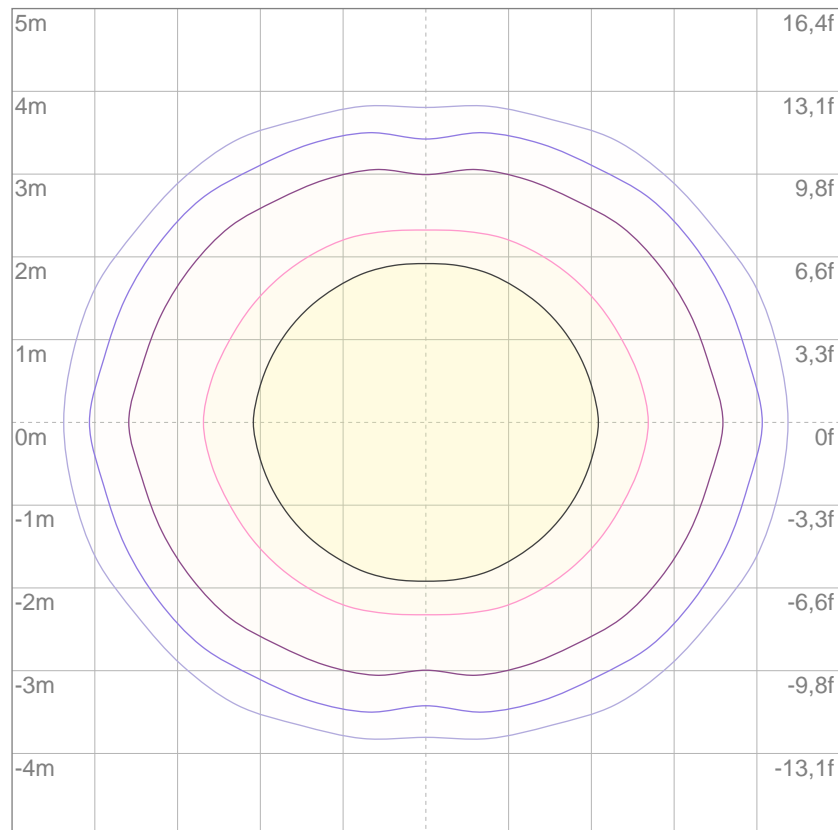
10%	923 cd
20%	1845 cd
30%	2768 cd
40%	3690 cd
50%	4613 cd
60%	5536 cd
70%	6458 cd
80%	7381 cd

### Conditions:

Number of c-planes: 4

Candela at center: 9226 cd

## ISO LUX DIAGRAM



3%	2,77 lx
5%	4,61 lx
10%	9,23 lx
30%	27,7 lx
50%	46,1 lx

### Conditions:

Number of c-planes: 4

Lux at center: 92,3 lx

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

Total lumen output:

1417 lm

Peak candela output:

5897 cd



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

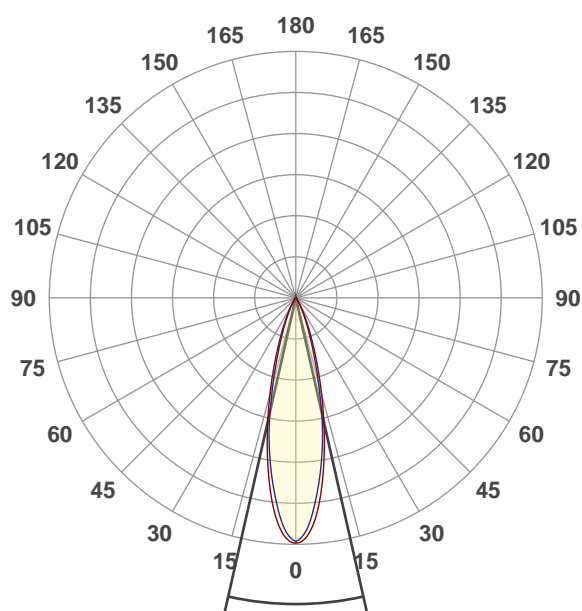
Green

Operator:

Paolo Carvone

Date and time:

10/06/2021 11:58:24

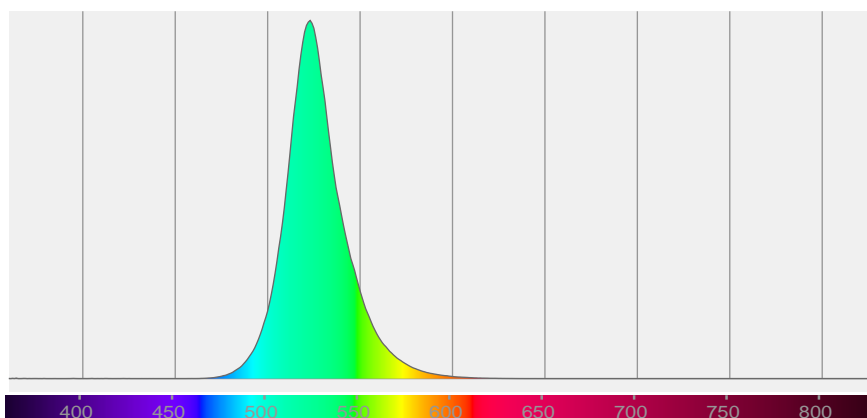


Beam angle 50%: 25,5°

Field angle 10%: 48,3°

Cut off angle 2.5%: 63,9°

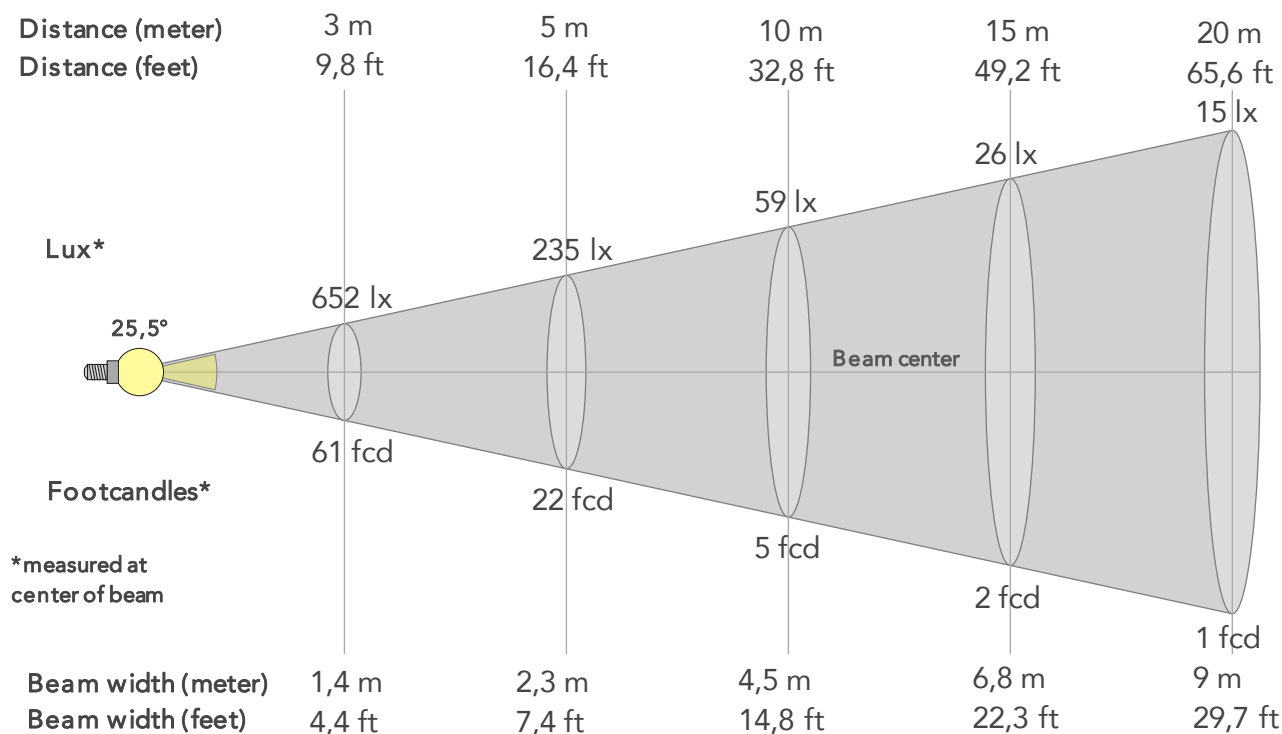
**Spectra**



# BEAM DETAILS



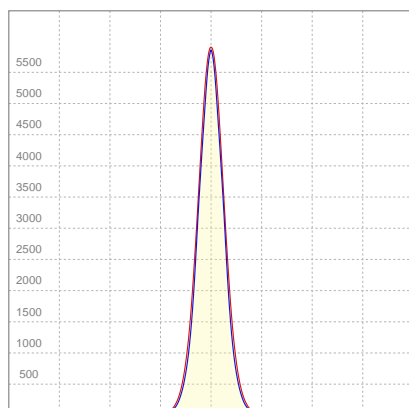
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25,5°	48,3°	63,9°	99,5%	98,0%



## 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	5872lx	1468lx	652lx	367lx	235lx	104lx	59lx	26lx	15lx	9lx	7lx	4lx	2lx
Footcand.	546fcd	136fcd	61fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	0,9m	1,4m	1,8m	2,3m	3,4m	4,5m	6,8m	9m	11,3m	13,6m	18,1m	22,6m
Beam wid.	1,5ft	3ft	4,4ft	5,9ft	7,4ft	11,1ft	14,8ft	22,3ft	29,7ft	37,1ft	44,5ft	59,4ft	74,2ft

## LINEAR DISTRIBUTION DIAGRAM

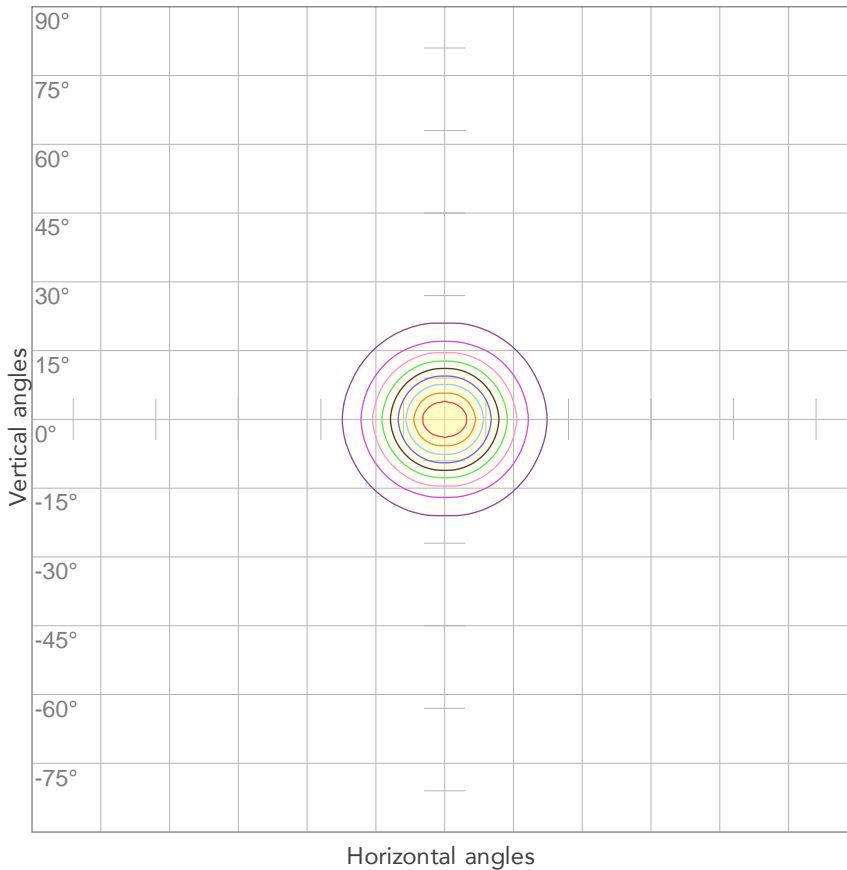


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,299A	33,8W	42lm/W

Power FC
0,5

## ISO CANDELA DIAGRAM



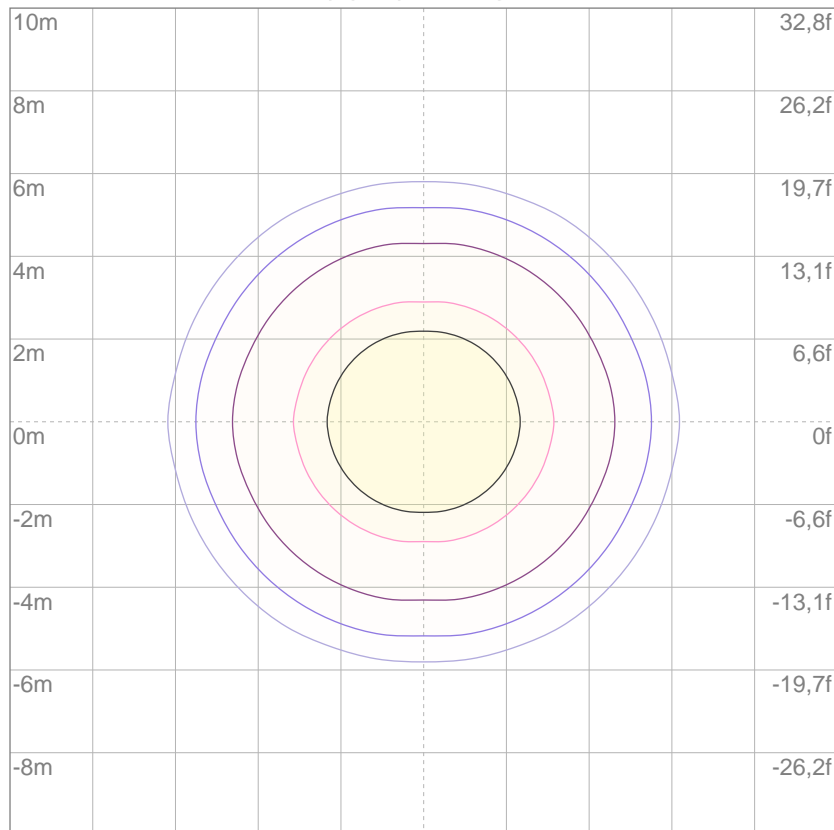
10%	587 cd
20%	1174 cd
30%	1762 cd
40%	2349 cd
50%	2936 cd
60%	3523 cd
70%	4110 cd
80%	4698 cd

### Conditions:

Number of c-planes: 4

Candela at center: 5872 cd

## ISO LUX DIAGRAM



3%	1,76 lx
5%	2,94 lx
10%	5,87 lx
30%	17,6 lx
50%	29,4 lx

### Conditions:

Number of c-planes: 4

Lux at center: 58,7 lx

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

Total lumen output:

272 lm

Peak candela output:

1446 cd



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

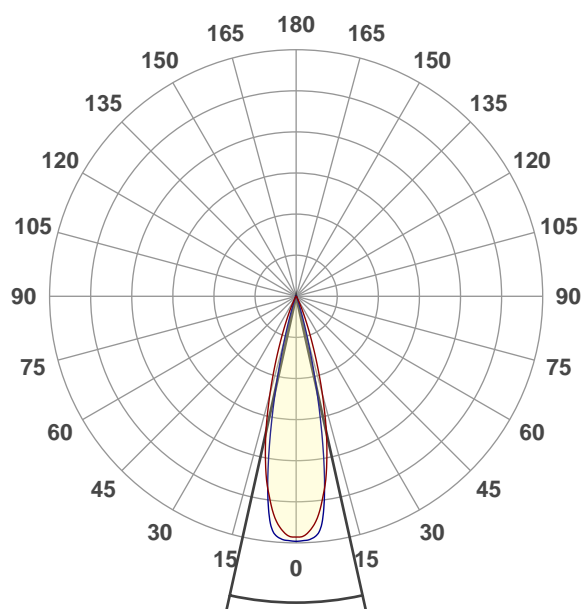
Blue

Operator:

Paolo Carvone

Date and time:

10/06/2021 11:09:20

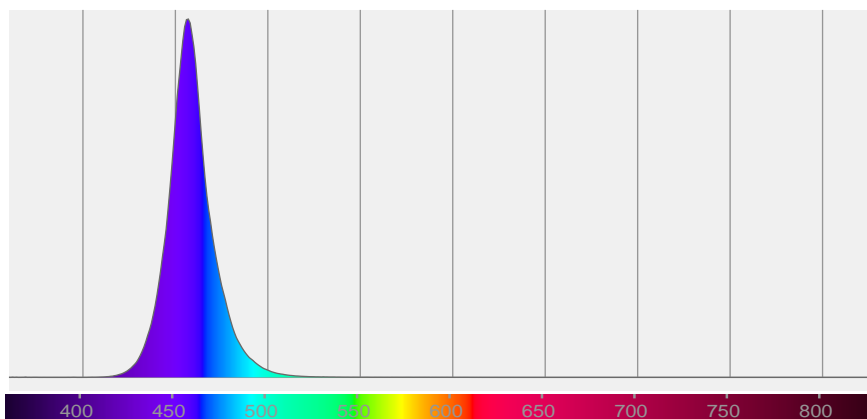


Beam angle 50%: 25°

Field angle 10%: 38,9°

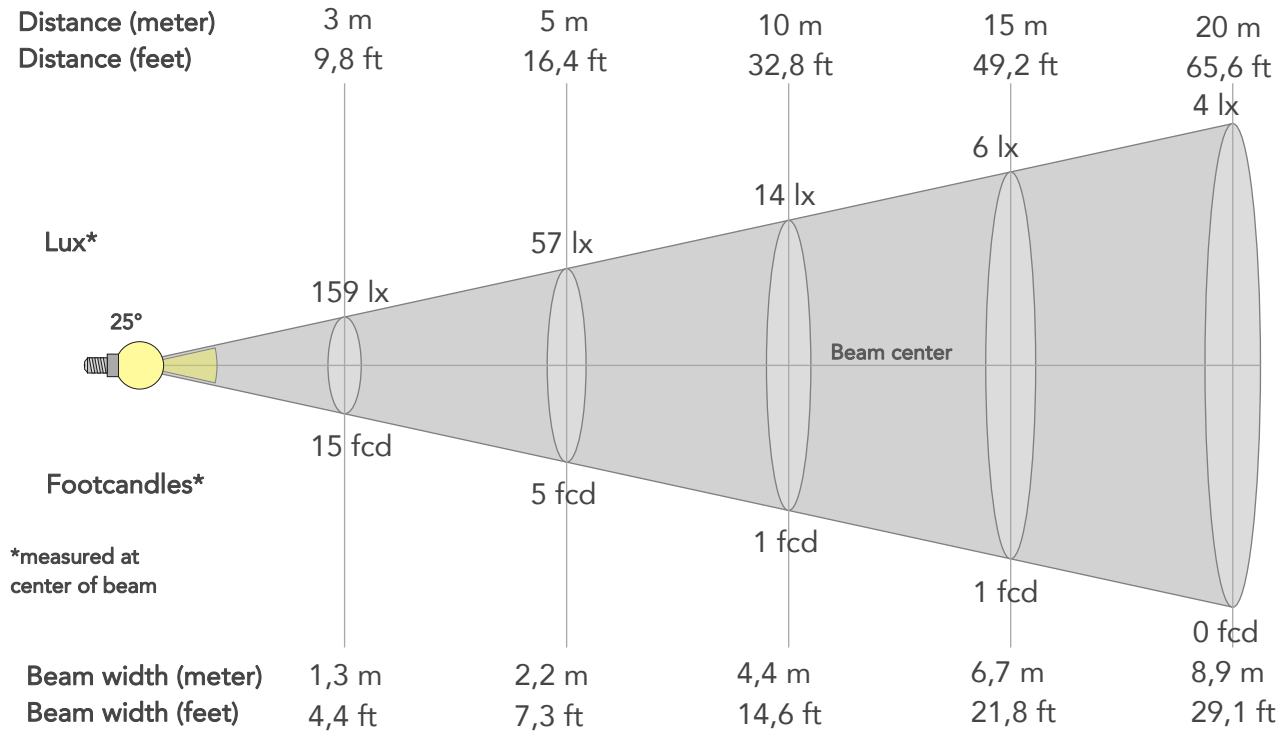
Cut off angle 2.5%: 48,4°

**Spectra**



## BEAM DETAILS

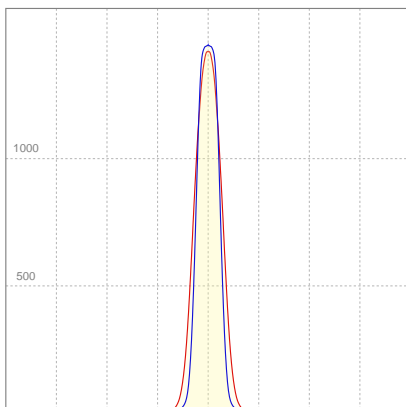
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25°	38,9°	48,4°	99,7%	98,9%



### 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	1433lx	358lx	159lx	90lx	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.	0,4m	0,9m	1,3m	1,8m	2,2m	3,3m	4,4m	6,7m	8,9m	11,1m	13,3m	17,8m	22,2m
Beam wid.	1,5ft	2,9ft	4,4ft	5,8ft	7,3ft	10,9ft	14,6ft	21,8ft	29,1ft	36,4ft	43,7ft	58,3ft	72,8ft

### LINEAR DISTRIBUTION DIAGRAM

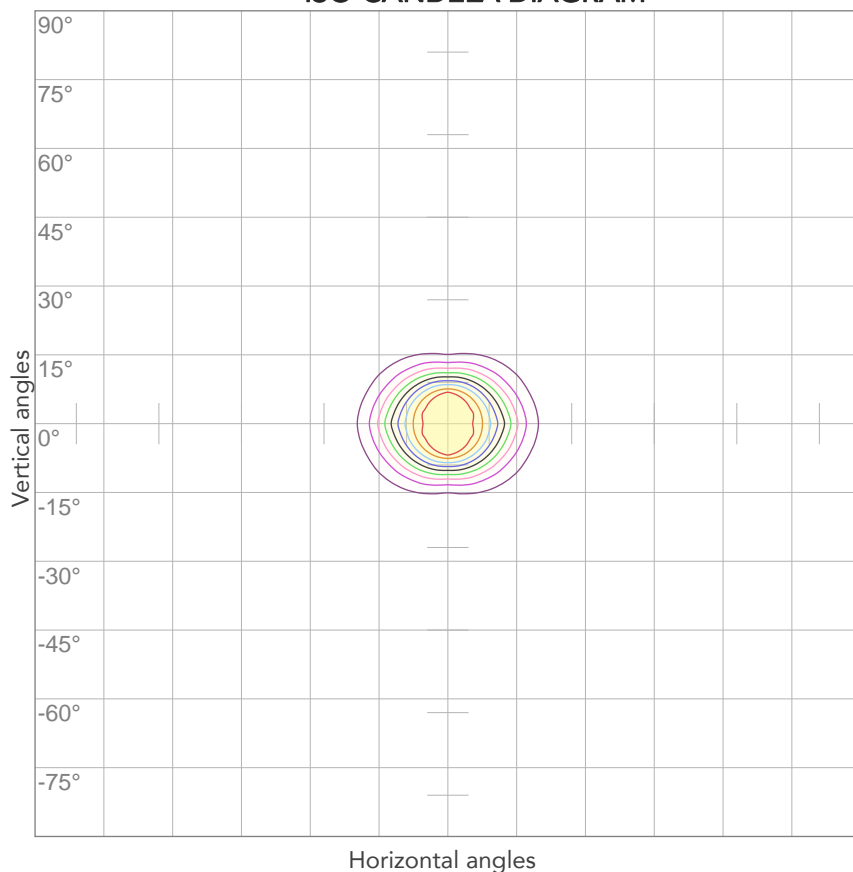


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,302A	34,9W	8lm/W

Power FC
0,51

## ISO CANDELA DIAGRAM



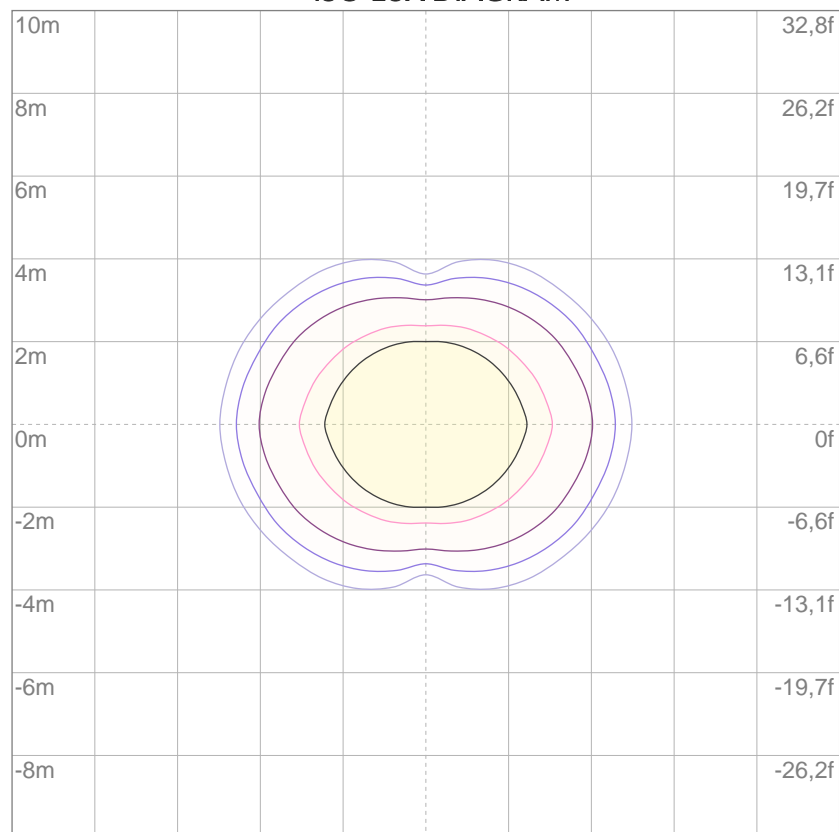
10%	143 cd
20%	287 cd
30%	430 cd
40%	573 cd
50%	716 cd
60%	860 cd
70%	1003 cd
80%	1146 cd

### Conditions:

Number of c-planes: 4

Candela at center: 1433 cd

## ISO LUX DIAGRAM



3%	0,430 lx
5%	0,716 lx
10%	1,43 lx
30%	4,30 lx
50%	7,16 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:

257 lm

Peak candela output:

1038 cd



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

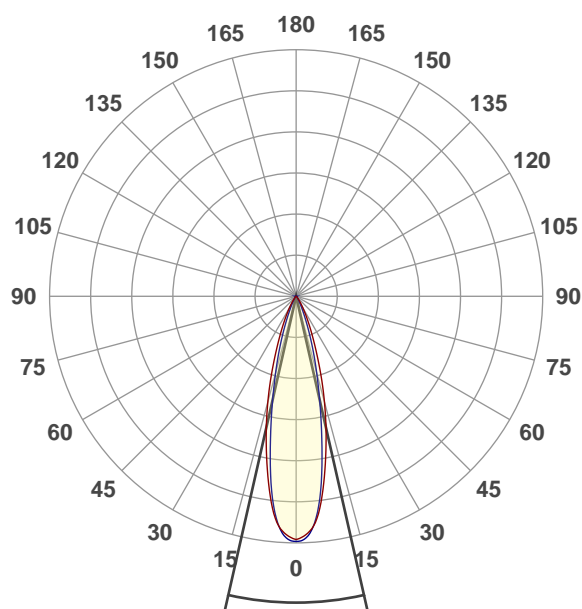
Blue

Operator:

Paolo Carvone

Date and time:

10/06/2021 12:00:41

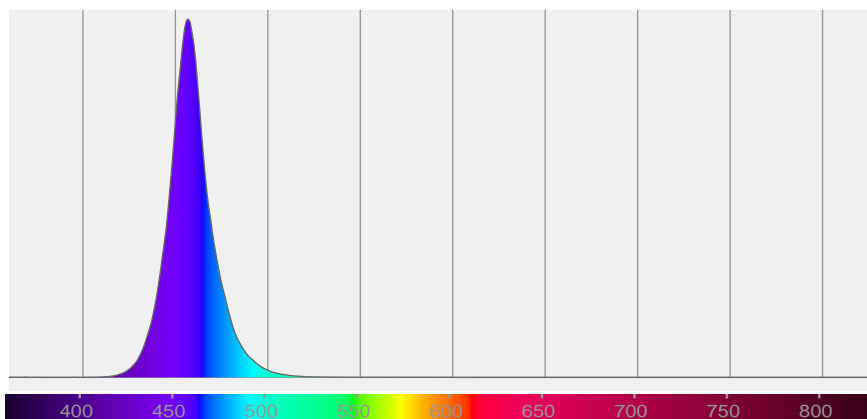


Beam angle 50%: 25,6°

Field angle 10%: 48,5°

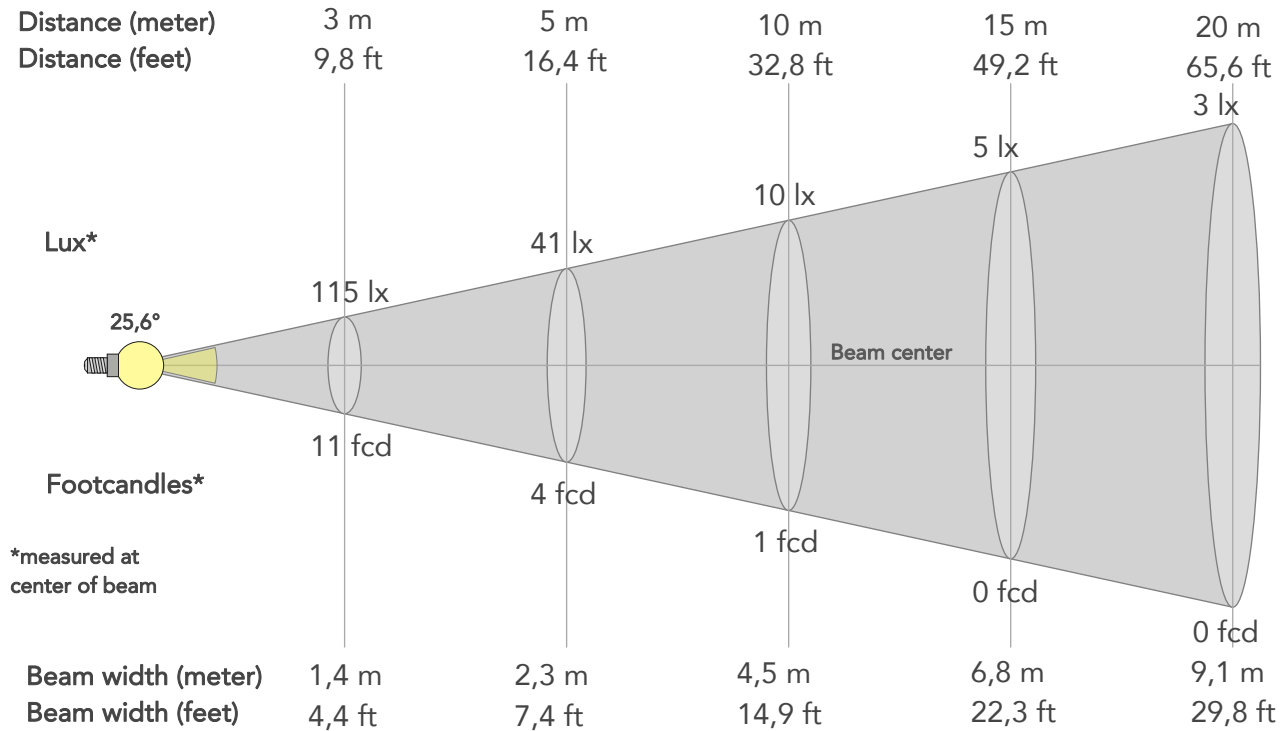
Cut off angle 2.5%: 64,9°

**Spectra**



## BEAM DETAILS

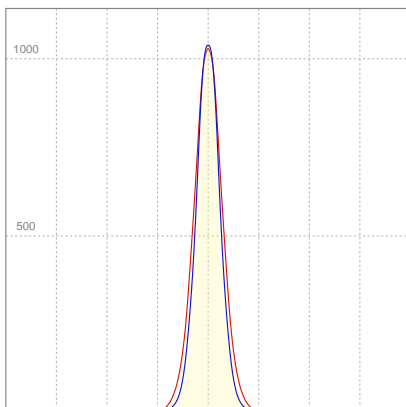
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25,6°	48,5°	64,9°	99,4%	97,9%



### 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	1034lx	258lx	115lx	65lx	41lx	18lx	10lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	96fcd	24fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	0,9m	1,4m	1,8m	2,3m	3,4m	4,5m	6,8m	9,1m	11,4m	13,6m	18,2m	22,7m
Beam wid.	1,5ft	3ft	4,4ft	5,9ft	7,4ft	11,2ft	14,9ft	22,3ft	29,8ft	37,2ft	44,7ft	59,6ft	74,5ft

### LINEAR DISTRIBUTION DIAGRAM

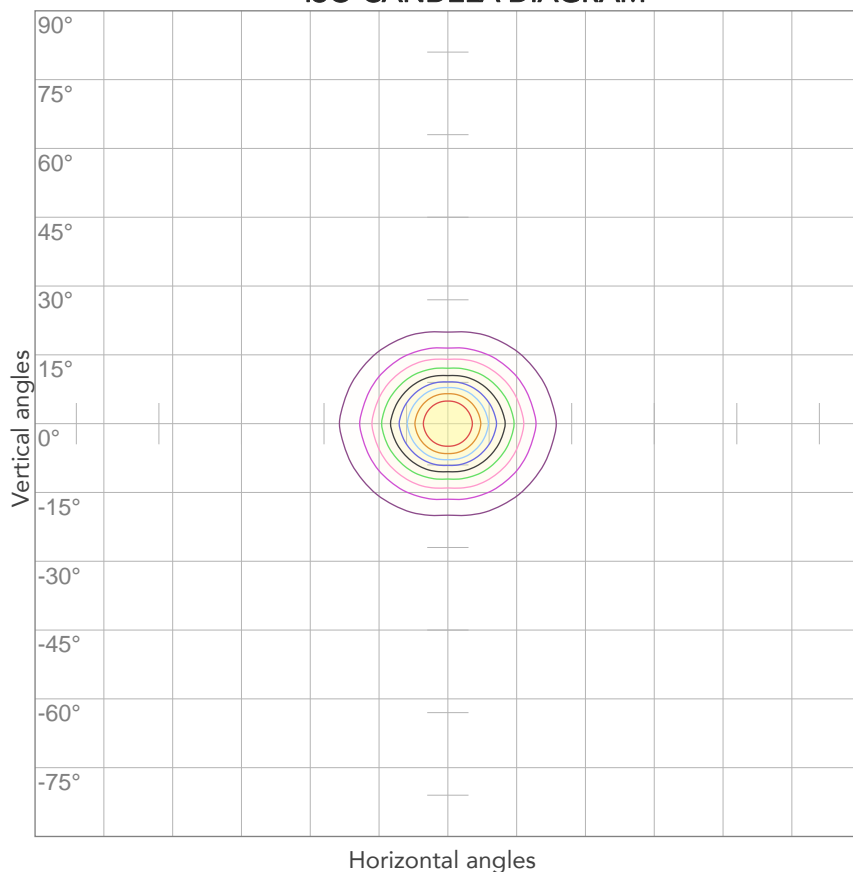


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,302A	35,0W	7lm/W

Power FC
0,51

## ISO CANDELA DIAGRAM



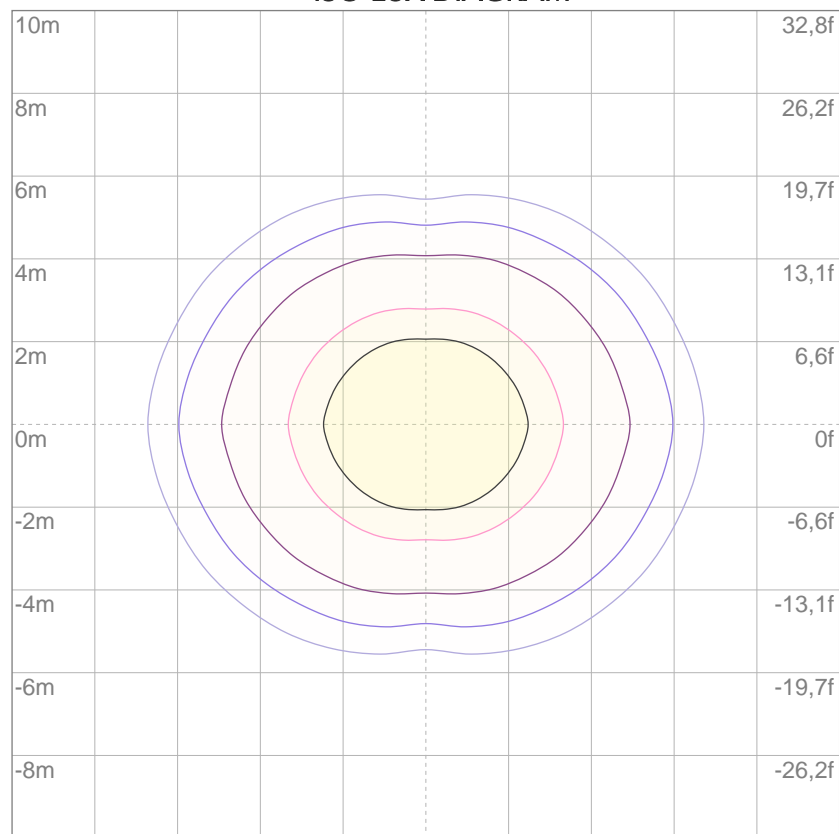
10%	103 cd
20%	207 cd
30%	310 cd
40%	413 cd
50%	517 cd
60%	620 cd
70%	724 cd
80%	827 cd

### Conditions:

Number of c-planes: 4

Candela at center: 1034 cd

## ISO LUX DIAGRAM



3%	0,310 lx
5%	0,517 lx
10%	1,03 lx
30%	3,10 lx
50%	5,17 lx

### Conditions:

Number of c-planes: 4

Lux at center: 10,3 lx

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

Total lumen output:

1395 lm

Peak candela output:

7518 cd



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

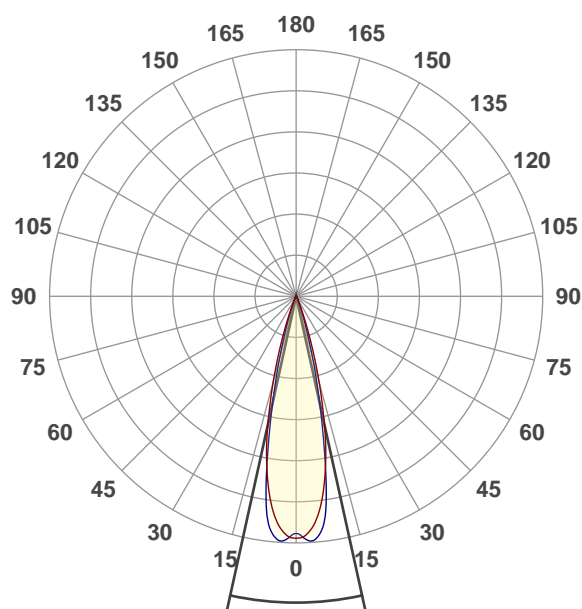
White

Operator:

Paolo Carvone

Date and time:

10/06/2021 11:14:44

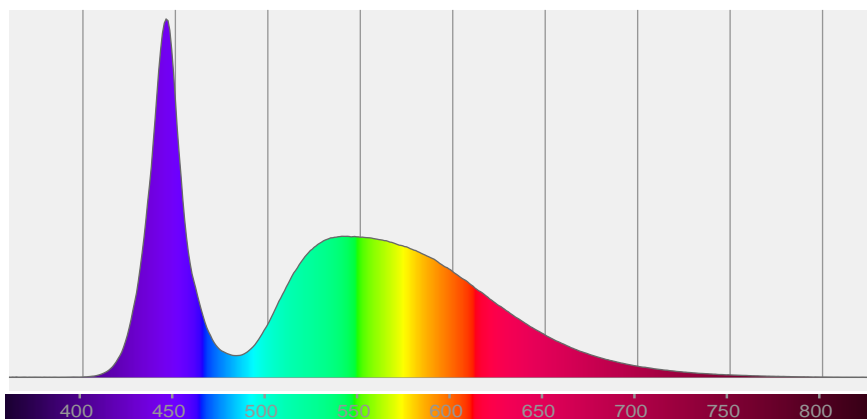


Beam angle 50%: 24,9°

Field angle 10%: 38,8°

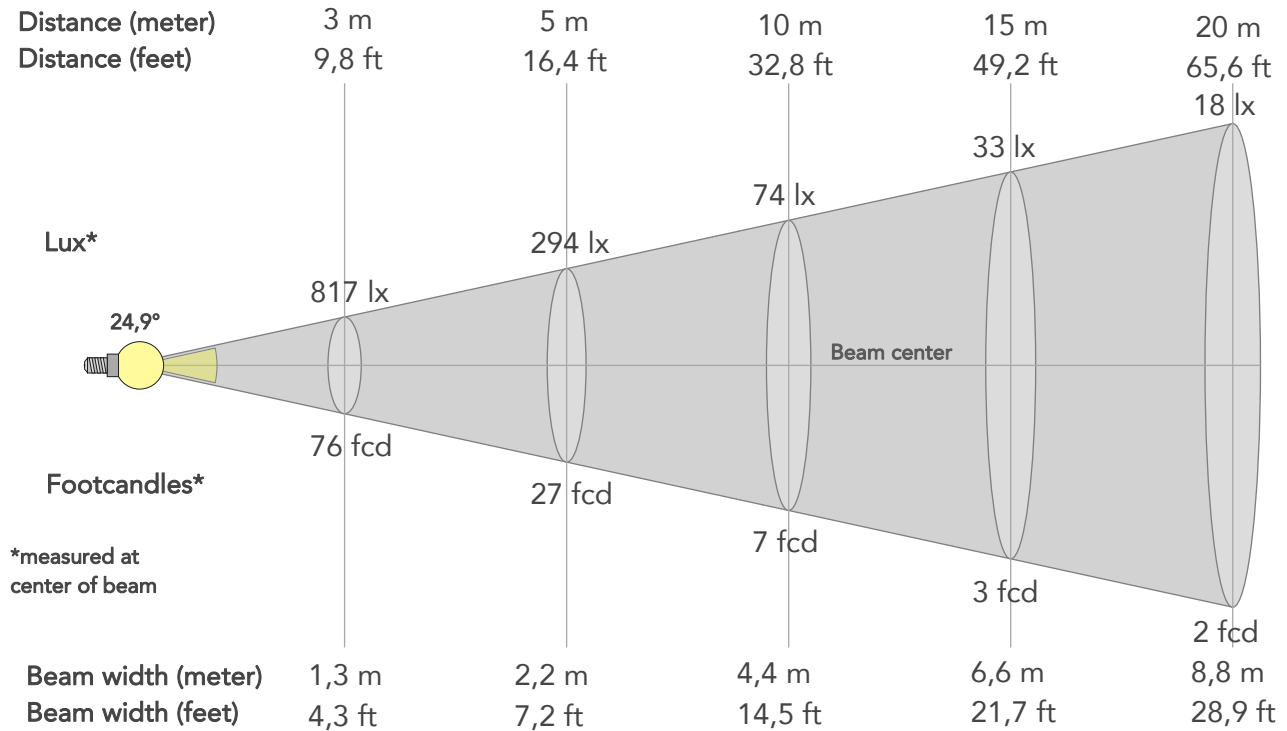
Cut off angle 2.5%: 48,4°

**Spectra**



## BEAM DETAILS

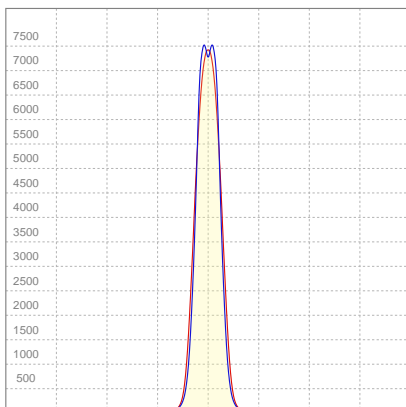
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,9°	38,8°	48,4°	100,0%	99,4%



### 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	7353lx	1838lx	817lx	460lx	294lx	131lx	74lx	33lx	18lx	12lx	8lx	5lx	3lx
Footcand.	683fcd	171fcd	76fcd	43fcd	27fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,9m	1,3m	1,8m	2,2m	3,3m	4,4m	6,6m	8,8m	11m	13,2m	17,6m	22m
Beam wid.	1,5ft	2,9ft	4,3ft	5,8ft	7,2ft	10,8ft	14,5ft	21,7ft	28,9ft	36,1ft	43,4ft	57,8ft	72,3ft

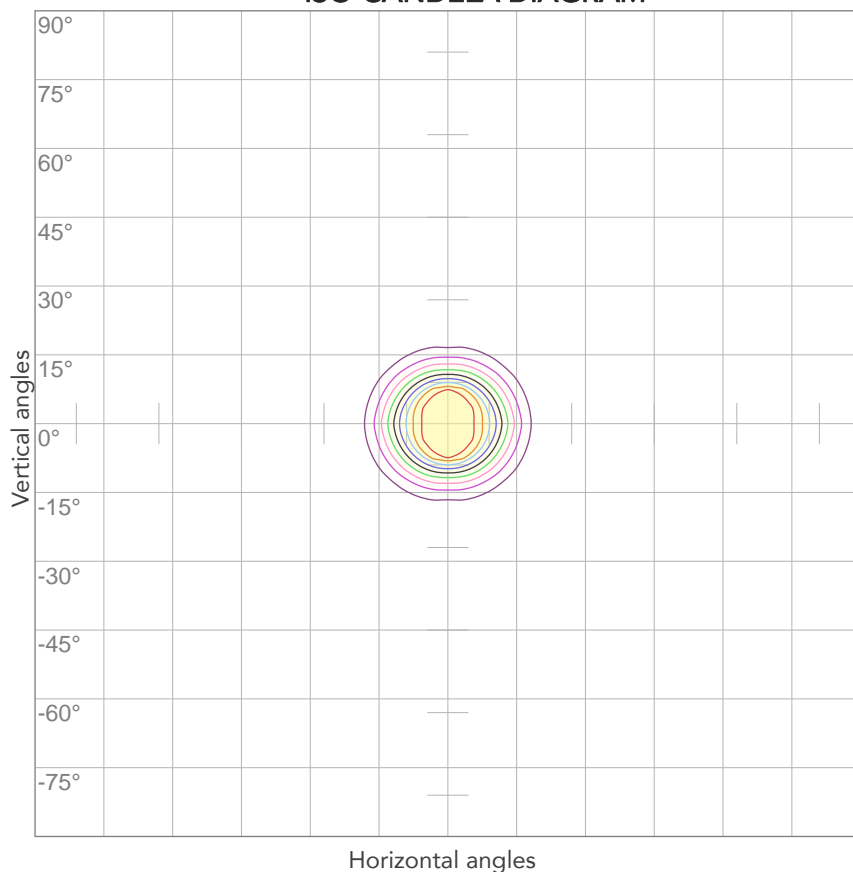
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,299A	33,7W	41lm/W
Power FC			
0,5			

## ISO CANDELA DIAGRAM



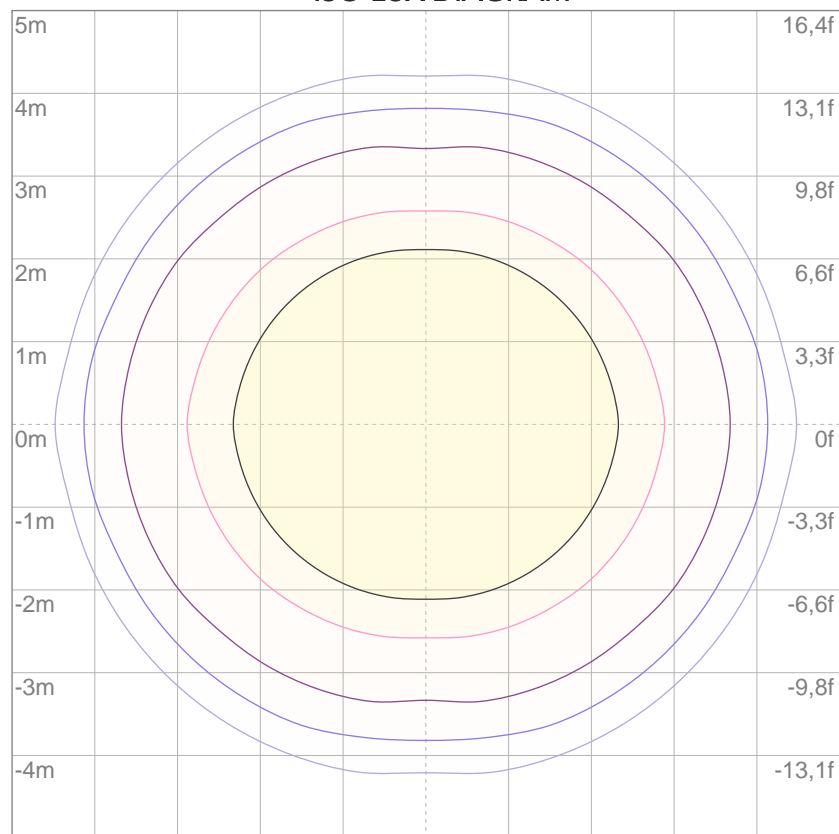
10%	735 cd
20%	1471 cd
30%	2206 cd
40%	2941 cd
50%	3676 cd
60%	4412 cd
70%	5147 cd
80%	5882 cd

### Conditions:

Number of c-planes: 4

Candela at center: 7353 cd

## ISO LUX DIAGRAM



3%	2,21 lx
5%	3,68 lx
10%	7,35 lx
30%	22,1 lx
50%	36,8 lx

### Conditions:

Number of c-planes: 4

Lux at center: 73,5 lx

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

Total lumen output:

1331 lm

Peak candela output:

5683 cd



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

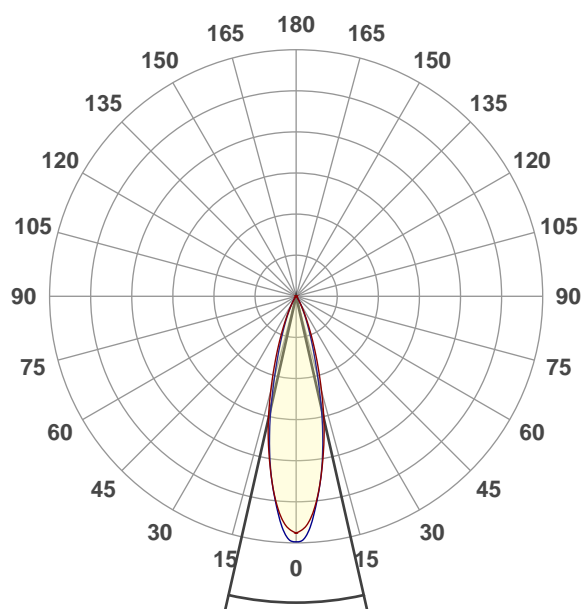
White

Operator:

Paolo Carvone

Date and time:

10/06/2021 12:07:20

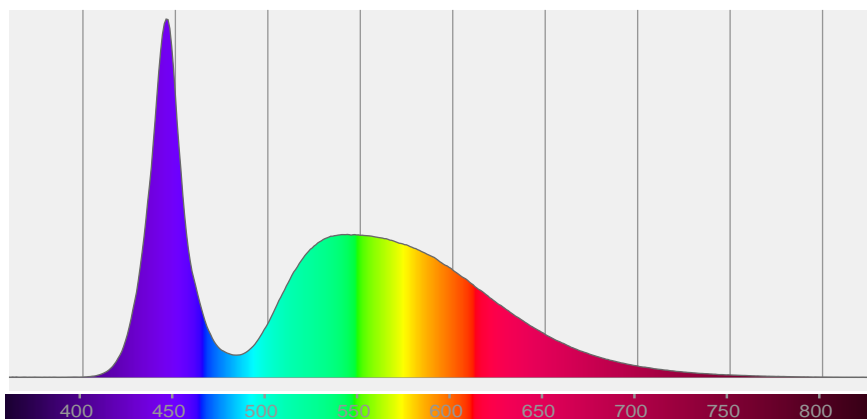


Beam angle 50%: 25,5°

Field angle 10%: 47,9°

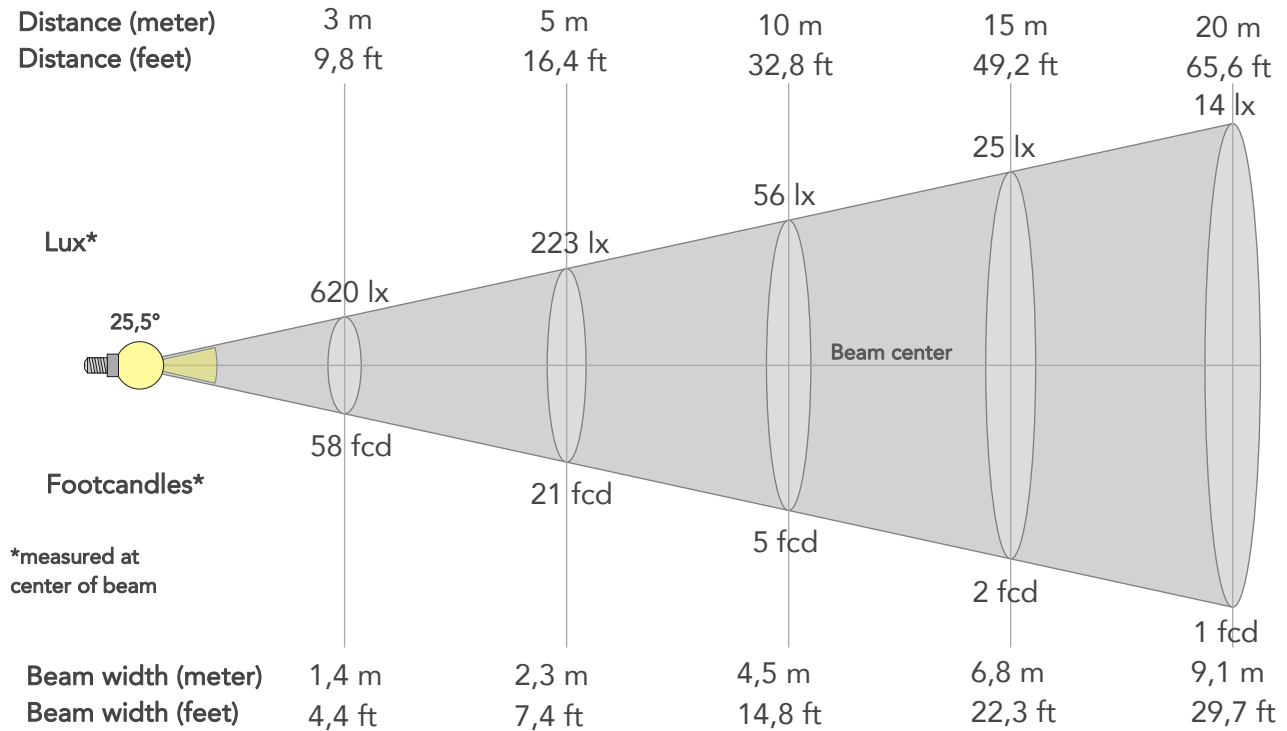
Cut off angle 2.5%: 63,2°

**Spectra**



## BEAM DETAILS

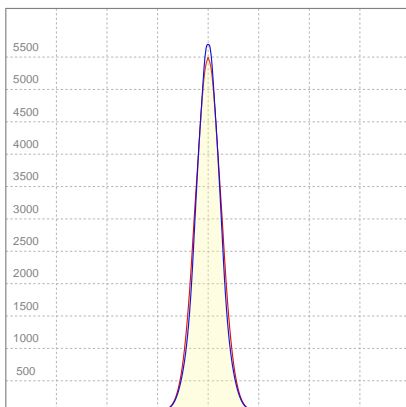
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25,5°	47,9°	63,2°	99,5%	98,0%



### 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	5584lx	1396lx	620lx	349lx	223lx	99lx	56lx	25lx	14lx	9lx	6lx	3lx	2lx
Footcand.	519fcd	130fcd	58fcd	32fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	0,9m	1,4m	1,8m	2,3m	3,4m	4,5m	6,8m	9,1m	11,3m	13,6m	18,1m	22,6m
Beam wid.	1,5ft	3ft	4,4ft	5,9ft	7,4ft	11,1ft	14,8ft	22,3ft	29,7ft	37,1ft	44,5ft	59,4ft	74,2ft

### LINEAR DISTRIBUTION DIAGRAM

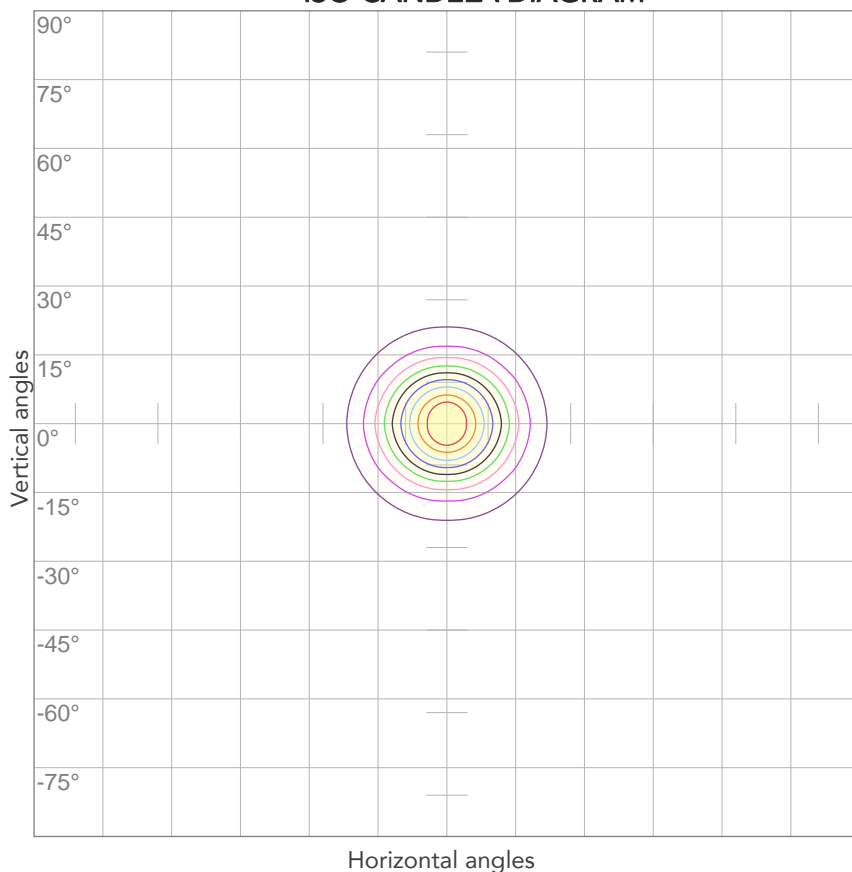


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,299A	33,7W	40lm/W
Power FC			
0,5			



## ISO CANDELA DIAGRAM



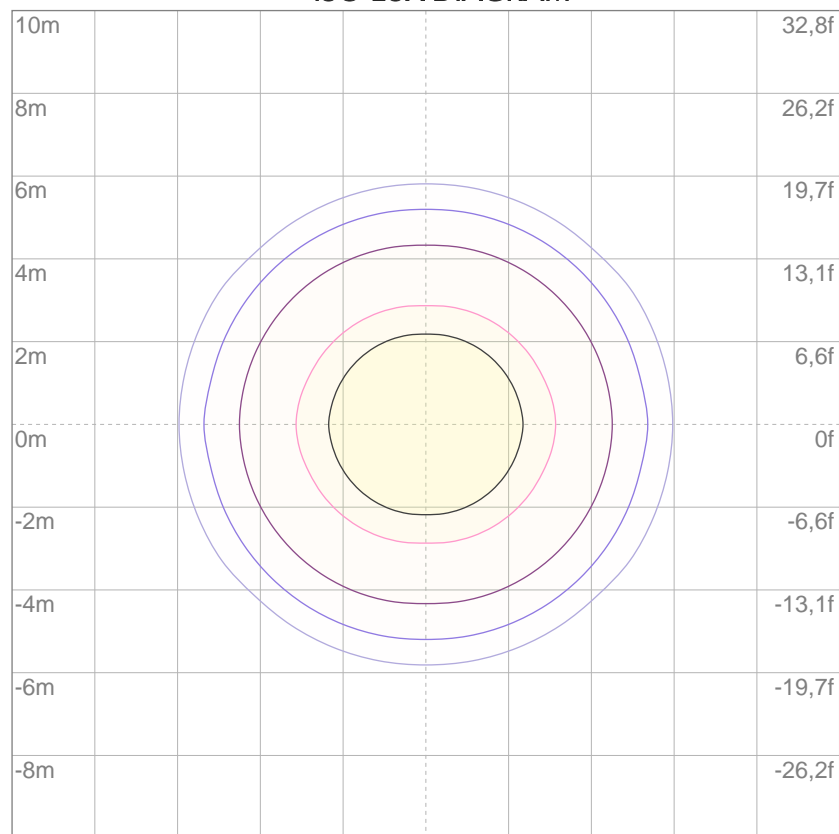
10%	558 cd
20%	1117 cd
30%	1675 cd
40%	2233 cd
50%	2792 cd
60%	3350 cd
70%	3909 cd
80%	4467 cd

### Conditions:

Number of c-planes: 4

Candela at center: 5584 cd

## ISO LUX DIAGRAM



3%	1,68 lx
5%	2,79 lx
10%	5,58 lx
30%	16,8 lx
50%	27,9 lx

### Conditions:

Number of c-planes: 4

Lux at center: 55,8 lx

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

Total lumen output:

646 lm

Peak candela output:

3197 cd



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

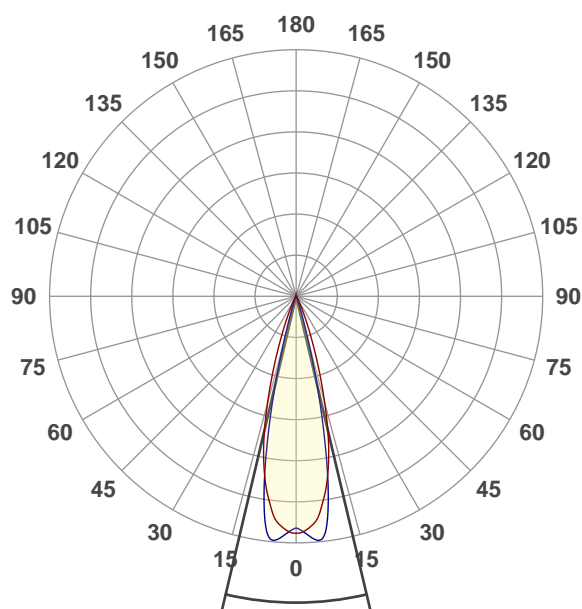
Amber

Operator:

Paolo Carvone

Date and time:

10/06/2021 11:18:55

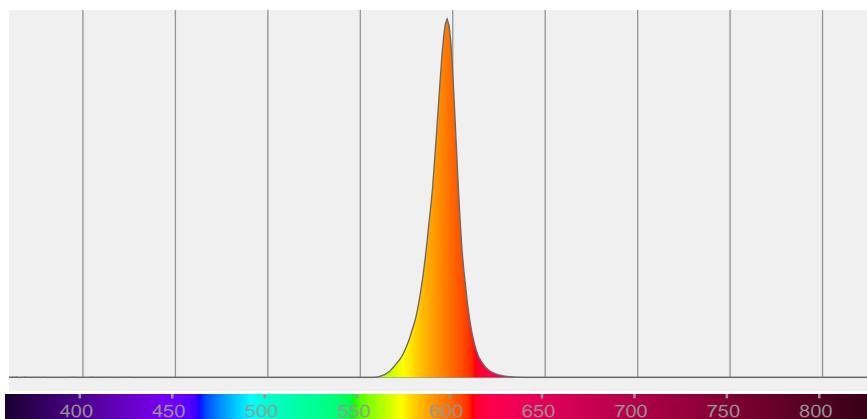


Beam angle 50%: 26,6°

Field angle 10%: 39,6°

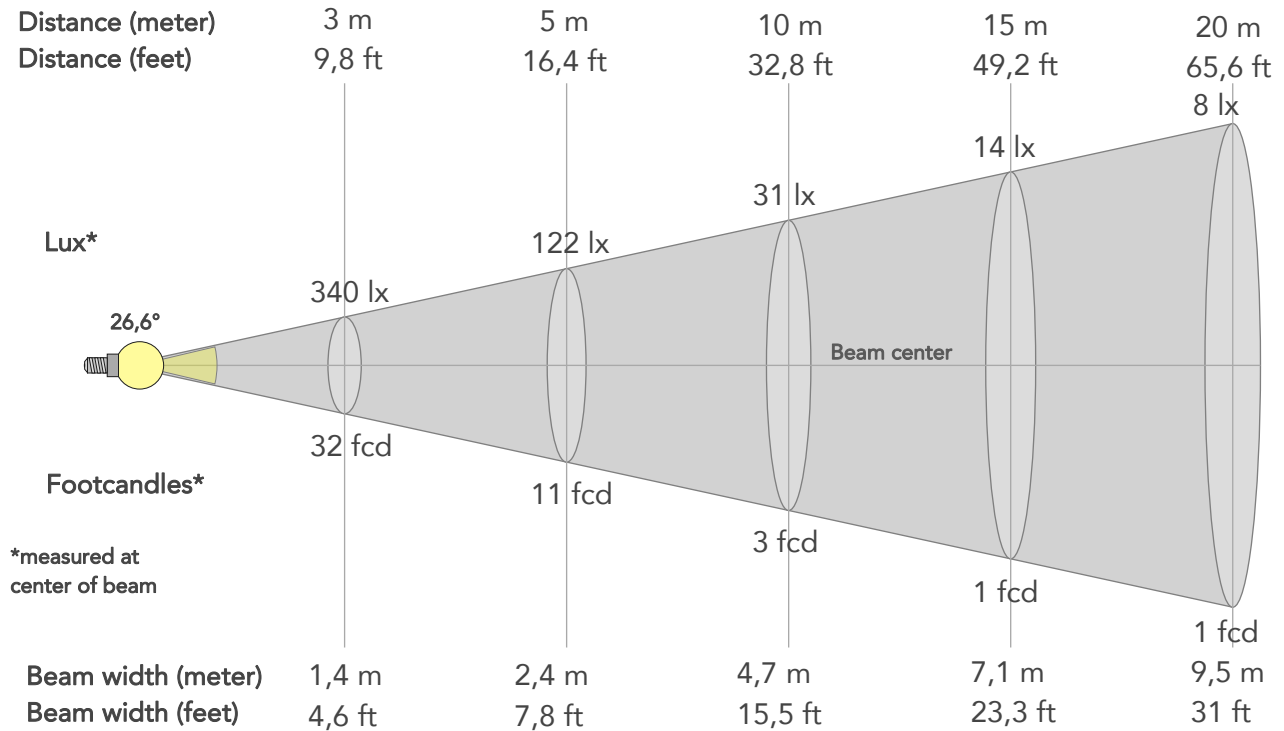
Cut off angle 2.5%: 48,8°

**Spectra**



## BEAM DETAILS

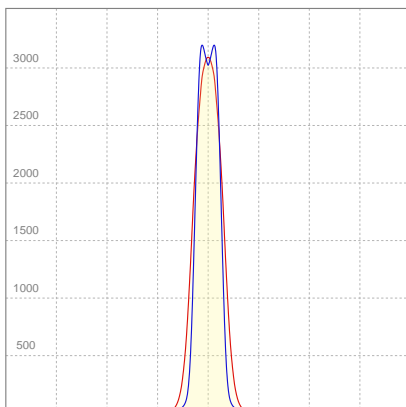
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26,6°	39,6°	48,8°	99,8%	99,0%



### 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	3058lx	765lx	340lx	191lx	122lx	54lx	31lx	14lx	8lx	5lx	3lx	2lx	1lx
Footcand.	284fcd	71fcd	32fcd	18fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	0,9m	1,4m	1,9m	2,4m	3,5m	4,7m	7,1m	9,5m	11,8m	14,2m	18,9m	23,6m
Beam wid.	1,6ft	3,1ft	4,6ft	6,2ft	7,8ft	11,6ft	15,5ft	23,3ft	31ft	38,8ft	46,5ft	62ft	77,6ft

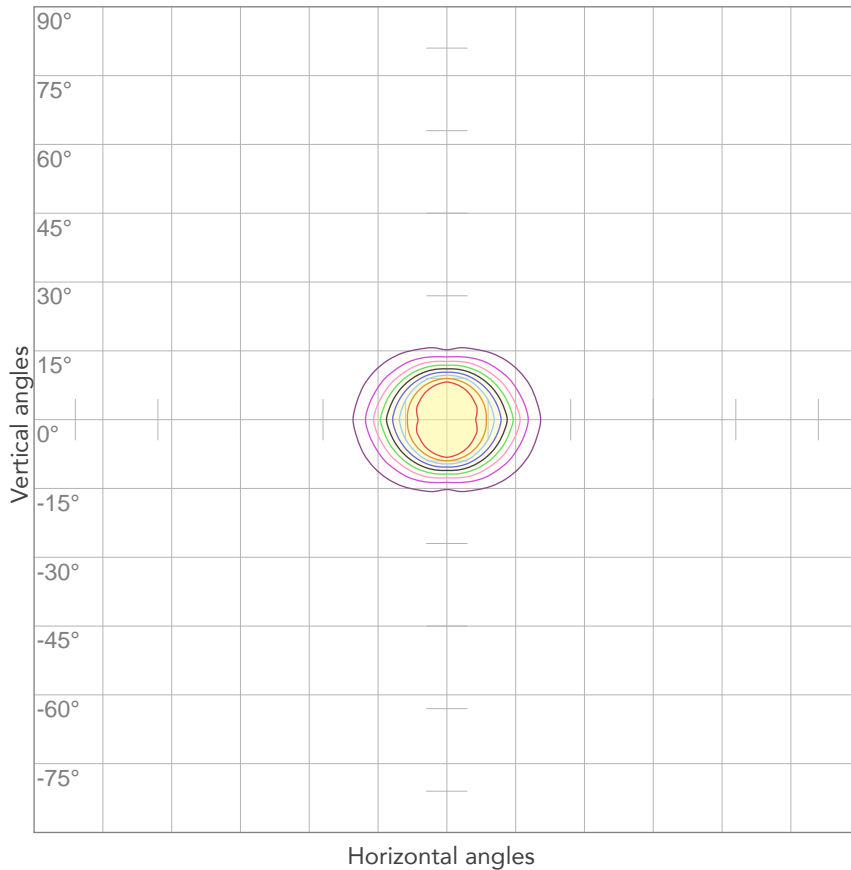
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,288A	29,7W	22lm/W
Power FC			
0,46			

## ISO CANDELA DIAGRAM



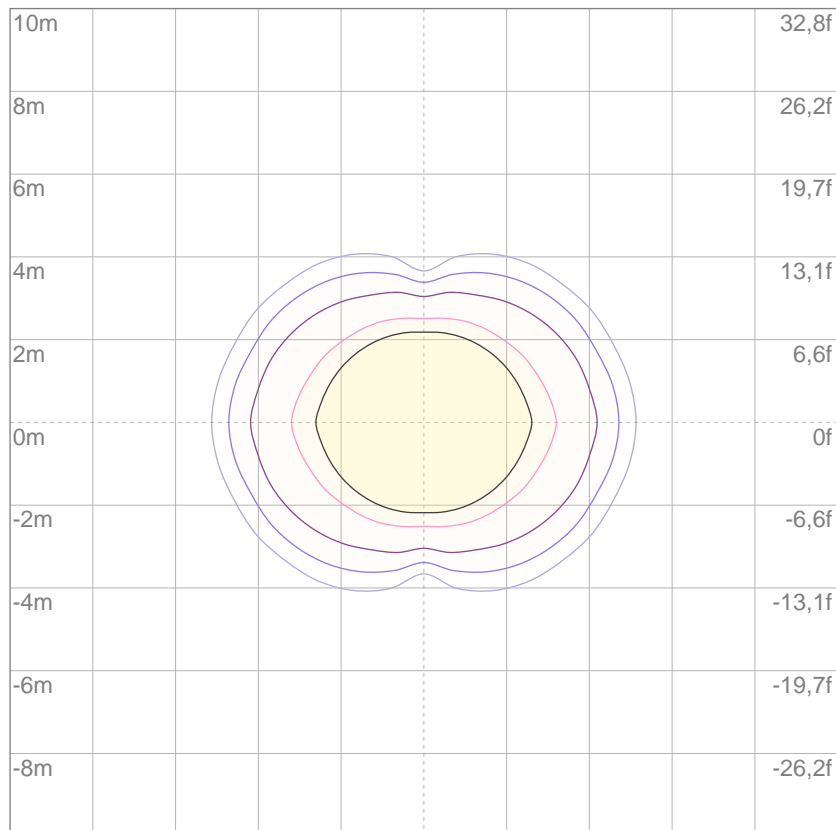
10%	306 cd
20%	612 cd
30%	918 cd
40%	1223 cd
50%	1529 cd
60%	1835 cd
70%	2141 cd
80%	2447 cd

### Conditions:

Number of c-planes: 4

Candela at center: 3058 cd

## ISO LUX DIAGRAM



3%	0,918 lx
5%	1,53 lx
10%	3,06 lx
30%	9,18 lx
50%	15,3 lx

### Conditions:

Number of c-planes: 4

Lux at center: 30,6 lx

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

Total lumen output:

594 lm

Peak candela output:

2371 cd



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

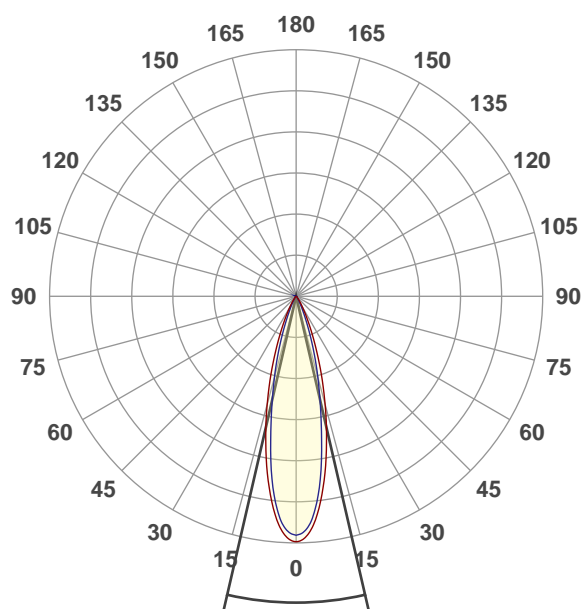
Amber

Operator:

Paolo Carvone

Date and time:

10/06/2021 12:03:29

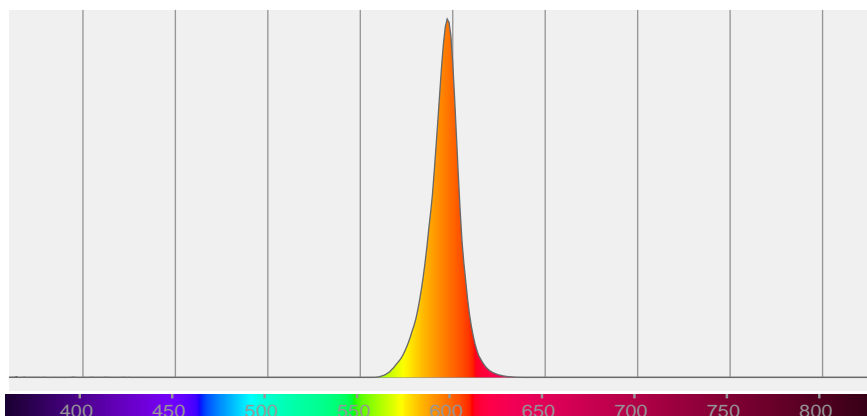


Beam angle 50%: 26°

Field angle 10%: 49°

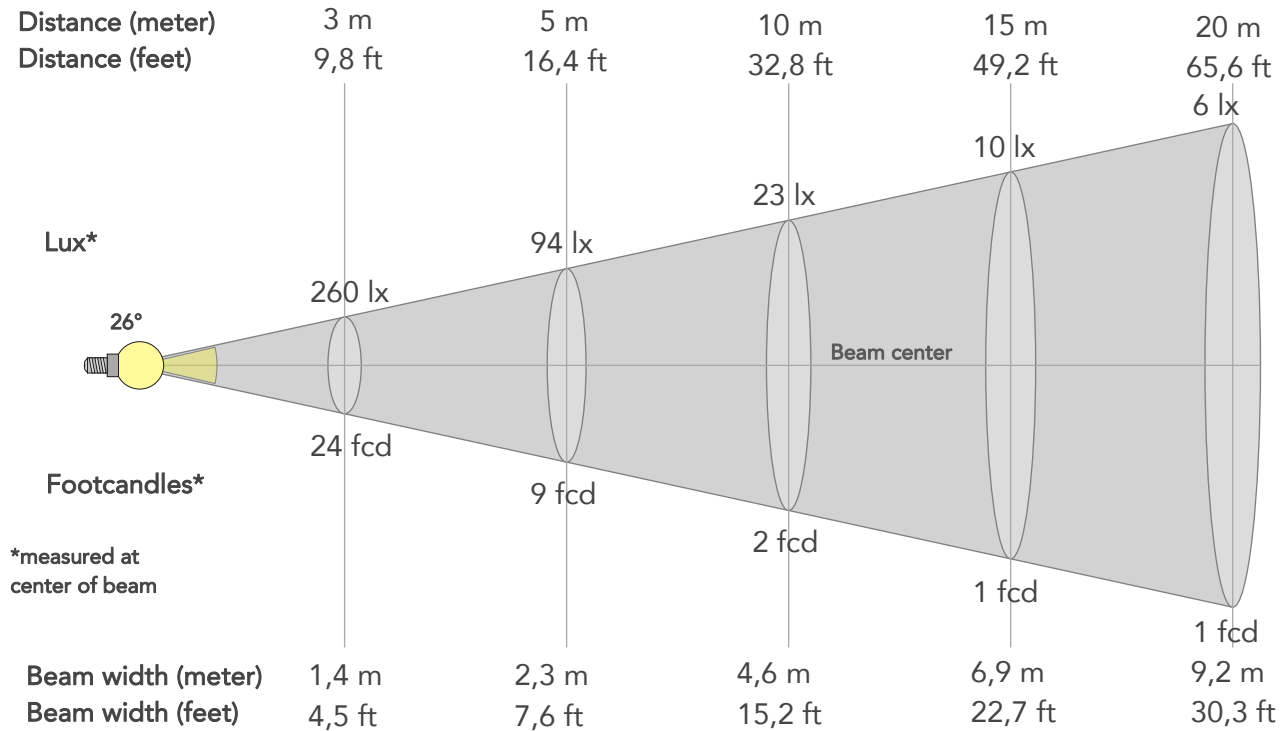
Cut off angle 2.5%: 64,5°

**Spectra**



## BEAM DETAILS

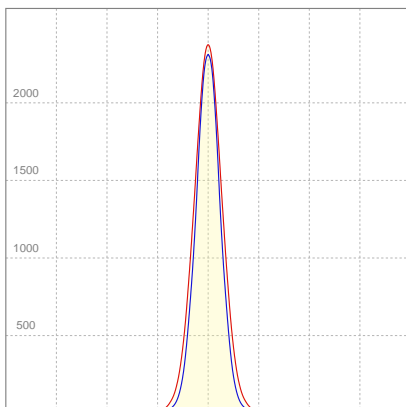
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26°	49°	64,5°	99,4%	97,9%



### 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	2341lx	585lx	260lx	146lx	94lx	42lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	217fcd	54fcd	24fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	0,9m	1,4m	1,8m	2,3m	3,5m	4,6m	6,9m	9,2m	11,5m	13,9m	18,5m	23,1m
Beam wid.	1,5ft	3ft	4,5ft	6,1ft	7,6ft	11,4ft	15,2ft	22,7ft	30,3ft	37,9ft	45,5ft	60,6ft	75,8ft

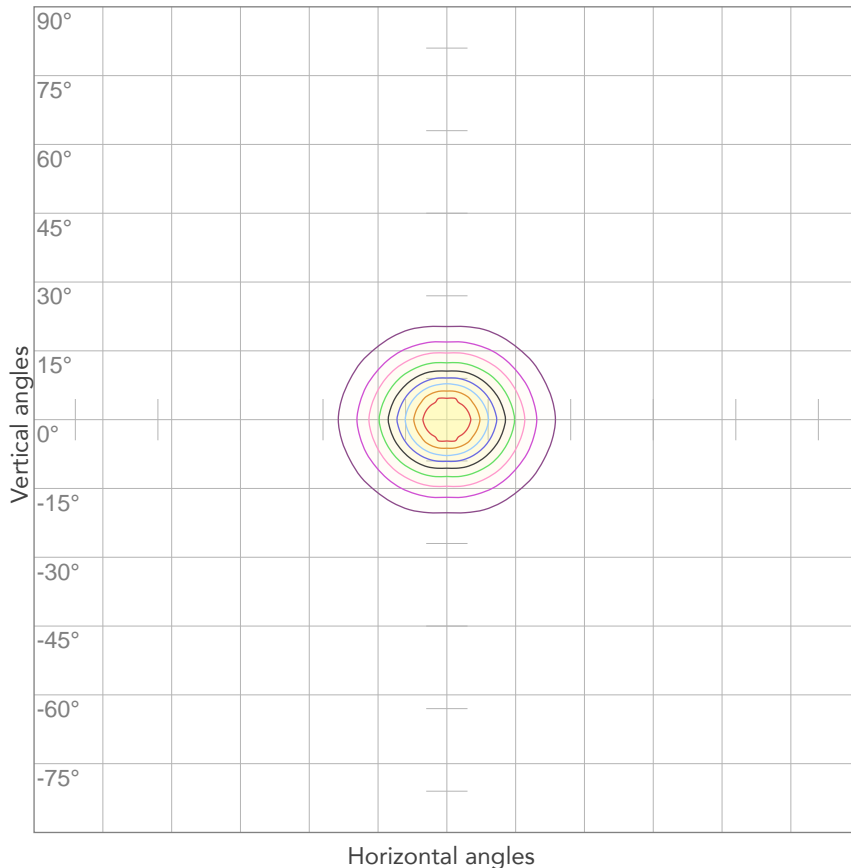
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,289A	29,8W	20lm/W
Power FC			
0,45			

## ISO CANDELA DIAGRAM



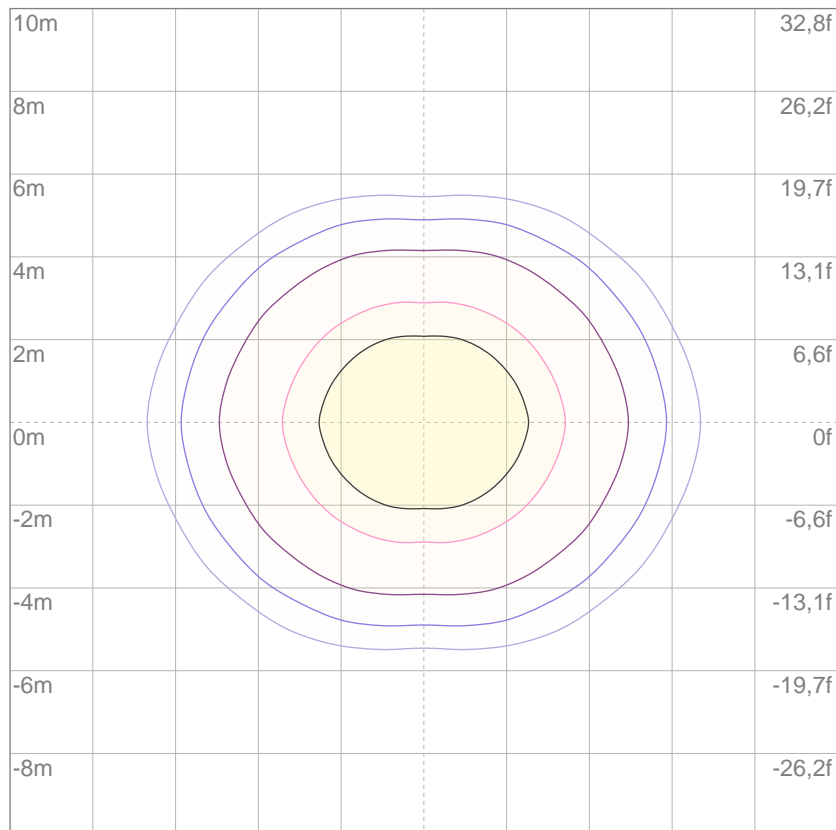
10%	234 cd
20%	468 cd
30%	702 cd
40%	936 cd
50%	1170 cd
60%	1405 cd
70%	1639 cd
80%	1873 cd

### Conditions:

Number of c-planes: 4

Candela at center: 2341 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,702 lx
5%	1,17 lx
10%	2,34 lx
30%	7,02 lx
50%	11,7 lx

### Conditions:

Number of c-planes: 4

Lux at center: 23,4 lx

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

Total lumen output:

22,5 lm

Peak candela output:

137 cd

Wave Length:

402 nm



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

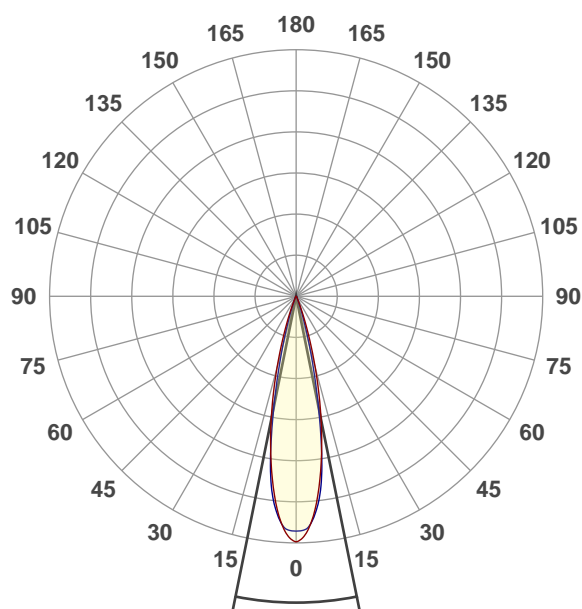
Purple

Operator:

Paolo Carvone

Date and time:

10/06/2021 11:21:13

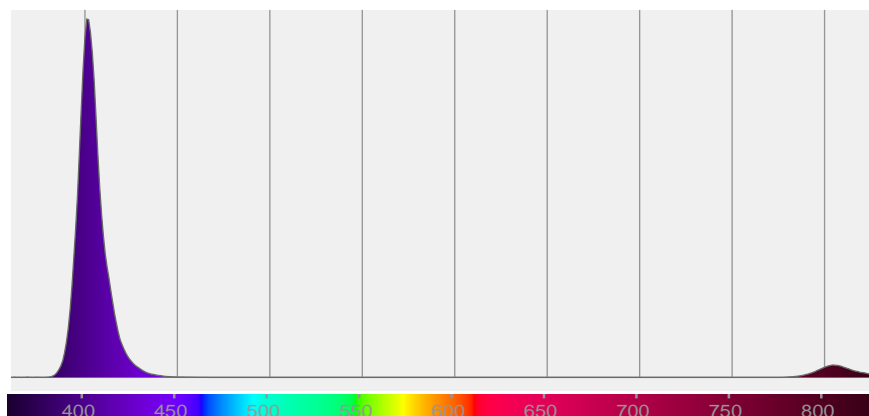


Beam angle 50%: 22,8°

Field angle 10%: 37,5°

Cut off angle 2.5%: 47°

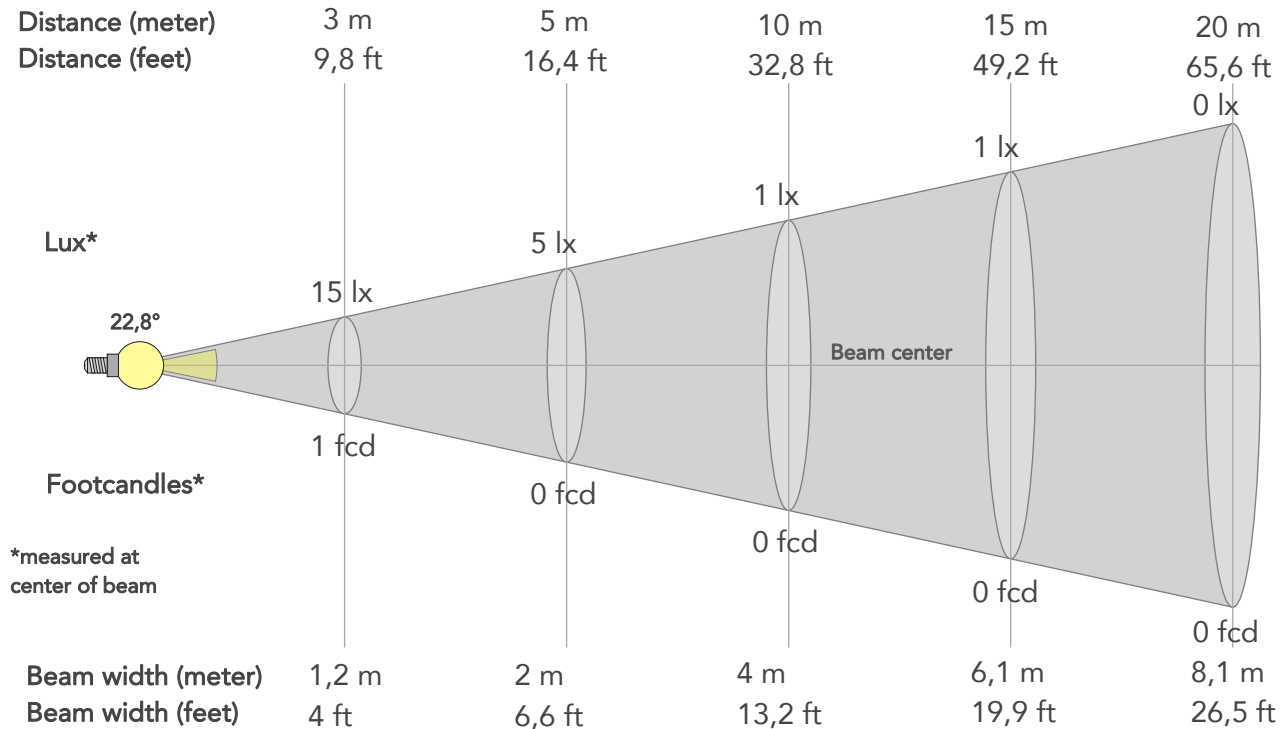
**Spectra**





## BEAM DETAILS

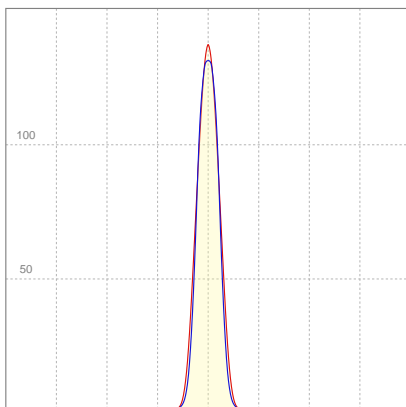
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,8°	37,5°	47°	99,3%	98,2%



### 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	134lx	34lx	15lx	8lx	5lx	2lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
Footcand.	12fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4m	6,1m	8,1m	10,1m	12,1m	16,2m	20,2m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,6ft	9,9ft	13,2ft	19,9ft	26,5ft	33,1ft	39,7ft	53ft	66,2ft

### LINEAR DISTRIBUTION DIAGRAM

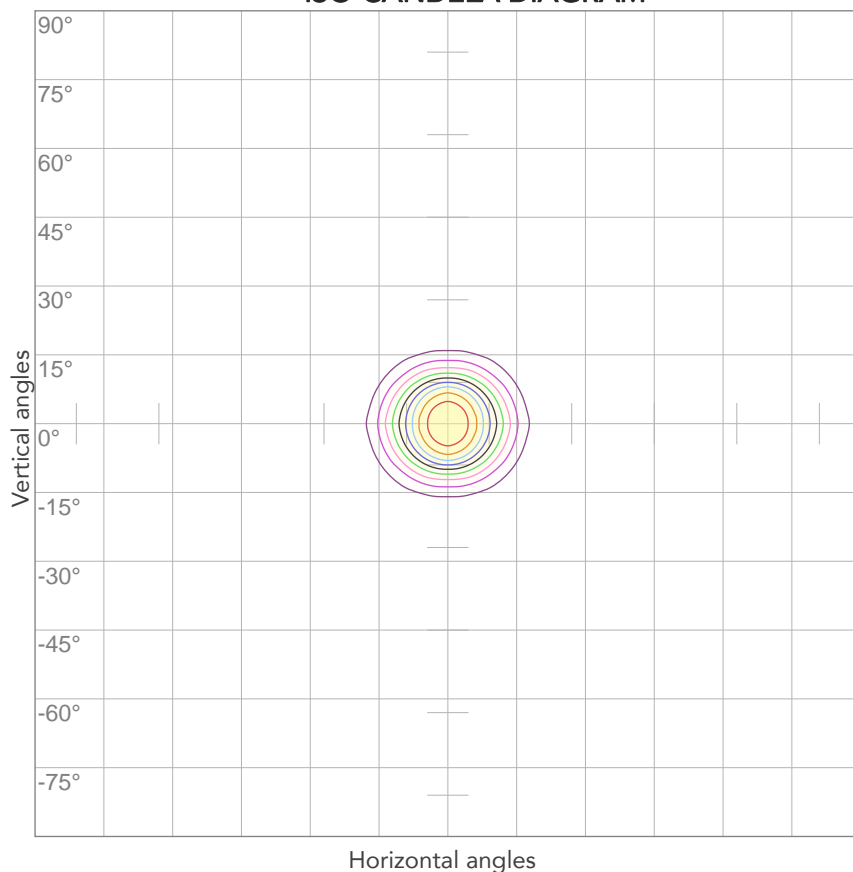


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,307A	36,8W	1lm/W

Power FC
0,53

## ISO CANDELA DIAGRAM



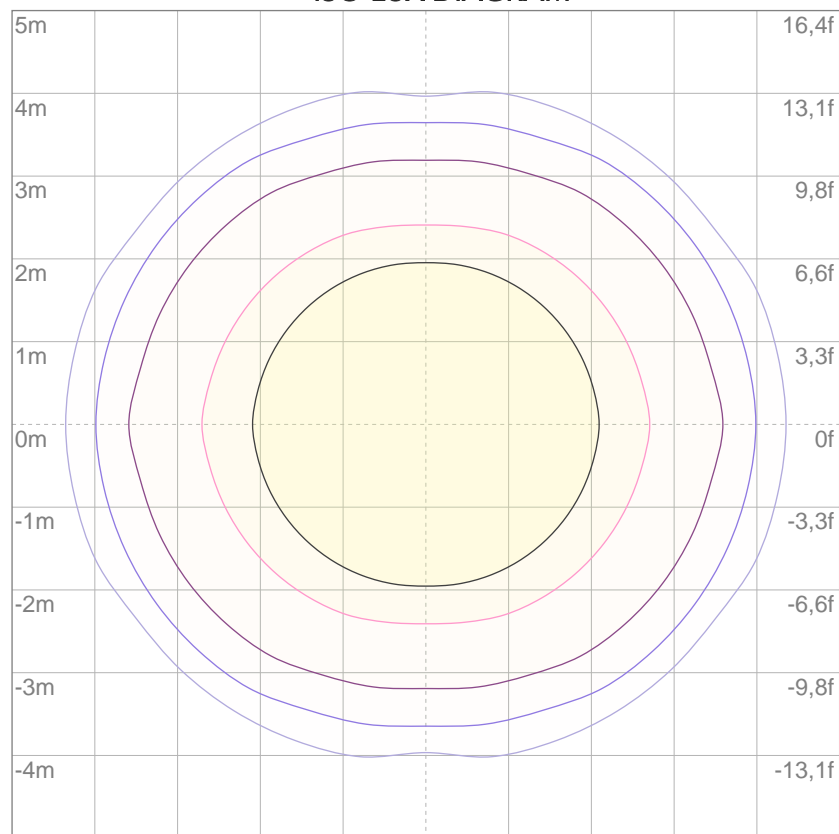
10%	13 cd
20%	27 cd
30%	40 cd
40%	54 cd
50%	67 cd
60%	81 cd
70%	94 cd
80%	107 cd

### Conditions:

Number of c-planes: 4

Candela at center: 134 cd

## ISO LUX DIAGRAM



3%	40,3m lx
5%	67,1m lx
10%	0,134 lx
30%	0,403 lx
50%	0,671 lx

### Conditions:

Number of c-planes: 4

Lux at center: 1,34 lx

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

Total lumen output:

19,8 lm

Peak candela output:

77,6 cd

Wave Length:

402 nm



**PRODUCT NAME:**

LUMIPIX16H

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

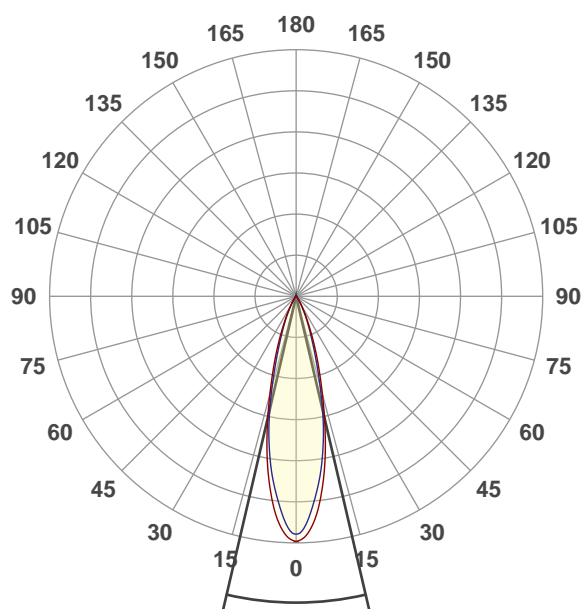
Purple

Operator:

Paolo Carvone

Date and time:

10/06/2021 12:10:41

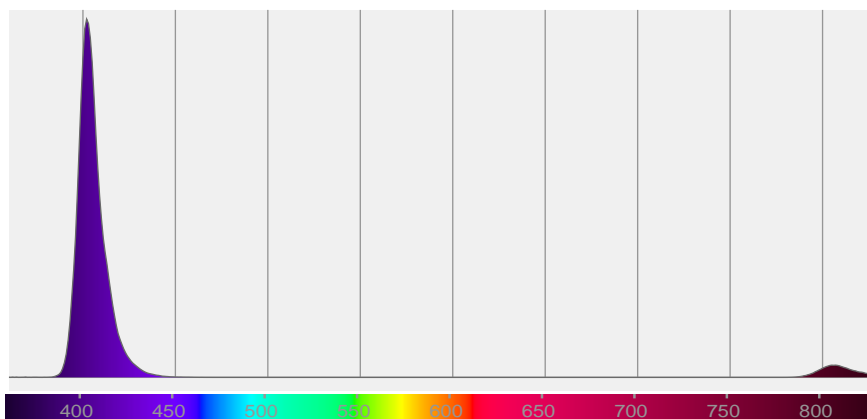


Beam angle 50%: 26,2°

Field angle 10%: 50,1°

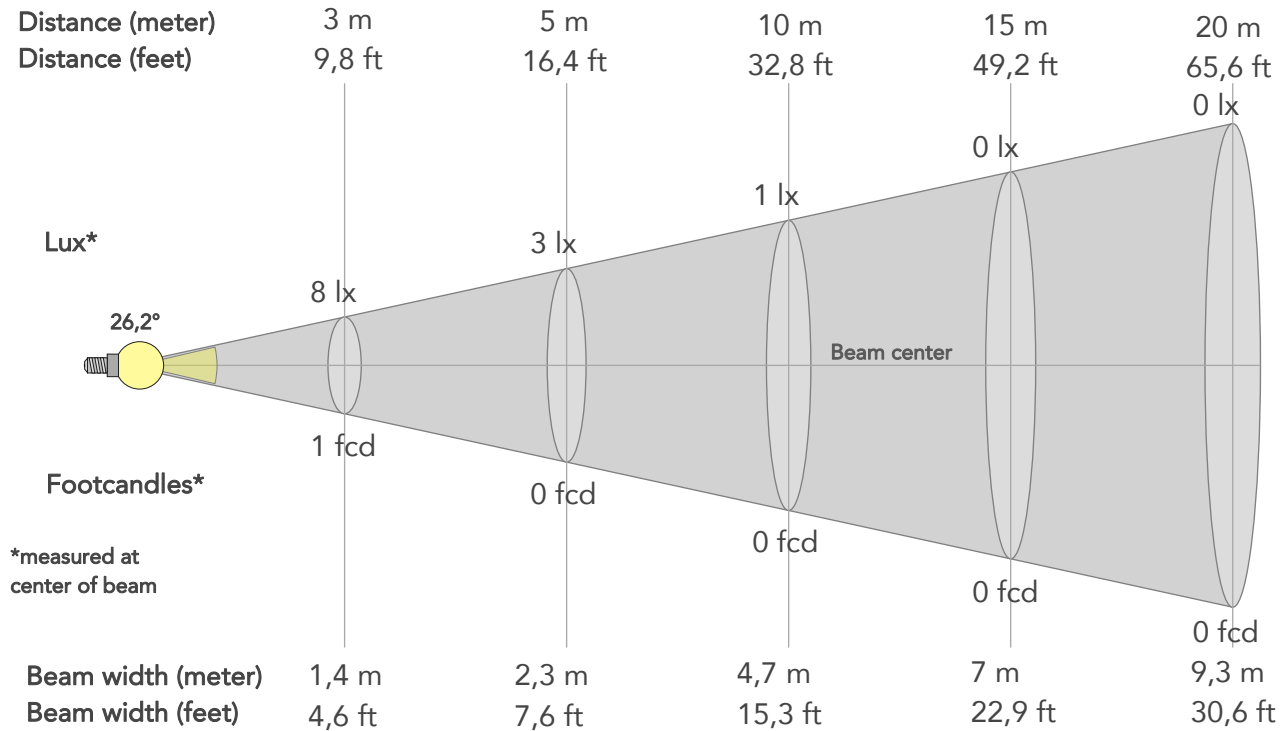
Cut off angle 2.5%: 66,2°

**Spectra**



## BEAM DETAILS

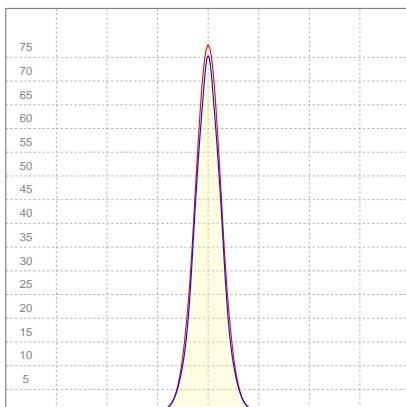
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26,2°	50,1°	66,2°	98,9%	97,0%



### 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	76lx	19lx	8lx	5lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx
Footcand.	7fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	0,9m	1,4m	1,9m	2,3m	3,5m	4,7m	7m	9,3m	11,7m	14m	18,6m	23,3m
Beam wid.	1,5ft	3,1ft	4,6ft	6,1ft	7,6ft	11,5ft	15,3ft	22,9ft	30,6ft	38,2ft	45,9ft	61,2ft	76,4ft

### LINEAR DISTRIBUTION DIAGRAM

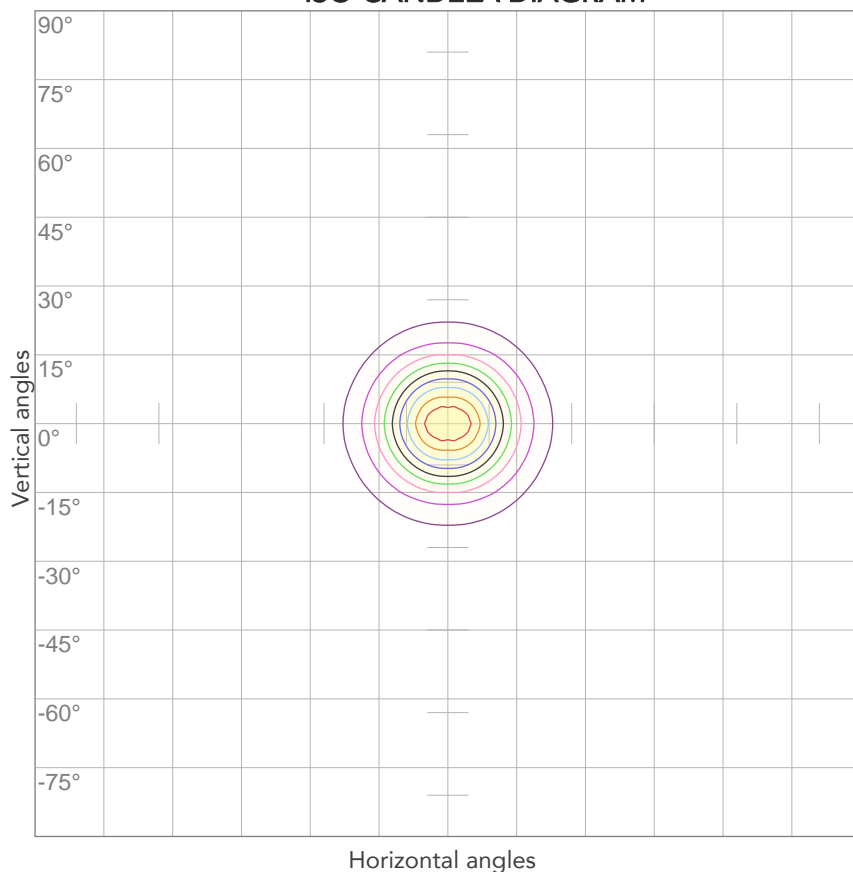


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,308A	36,7W	1lm/W

Power FC
0,53

## ISO CANDELA DIAGRAM



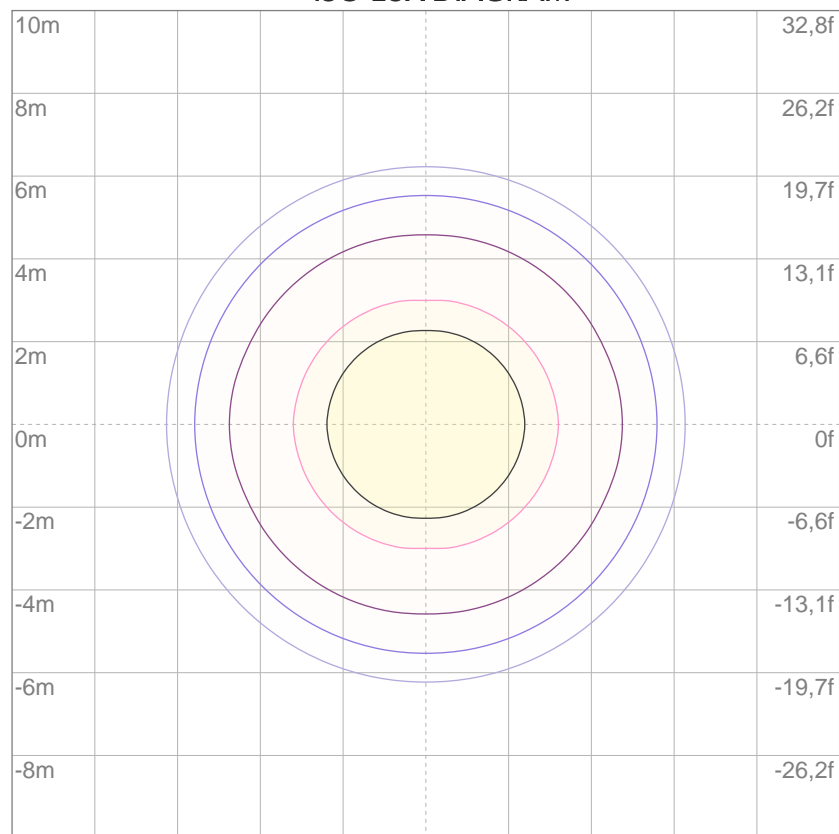
10%	8 cd
20%	15 cd
30%	23 cd
40%	31 cd
50%	38 cd
60%	46 cd
70%	53 cd
80%	61 cd

### Conditions:

Number of c-planes: 4

Candela at center: 76 cd

## ISO LUX DIAGRAM



3%	22,9m lx
5%	38,2m lx
10%	76,3m lx
30%	0,229 lx
50%	0,382 lx

### Conditions:

Number of c-planes: 4

Lux at center: 0,763 lx

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

Mounting height: 10 meters (33 feet)