ArchWork®
ARCHITECTURAL CONCEPT

Photometric Test Report

ARCPAR18FC

18 X 8 W RGBW / FC outdoor IP66

wash light

CONTENTS

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:

4349 lm

Peak candela output:

48239 cd

PRODUCT NAME:

ARCPAR18 FC

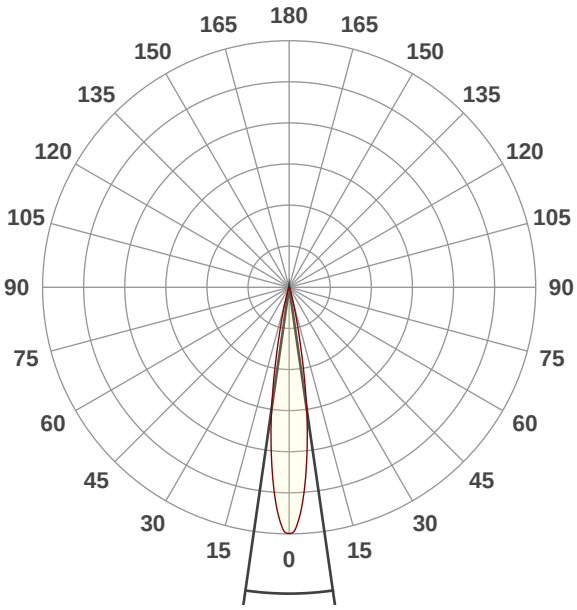
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
Full on

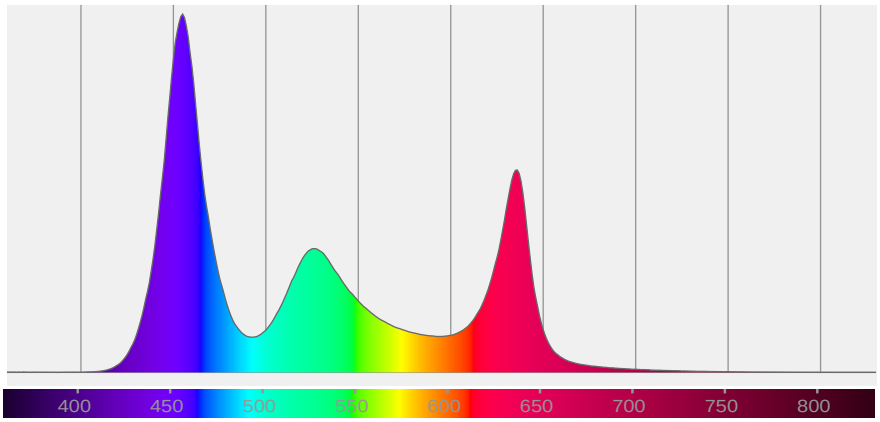
Operator:
Paolo Carvone

Date and time:
04/09/2020 15:15:48



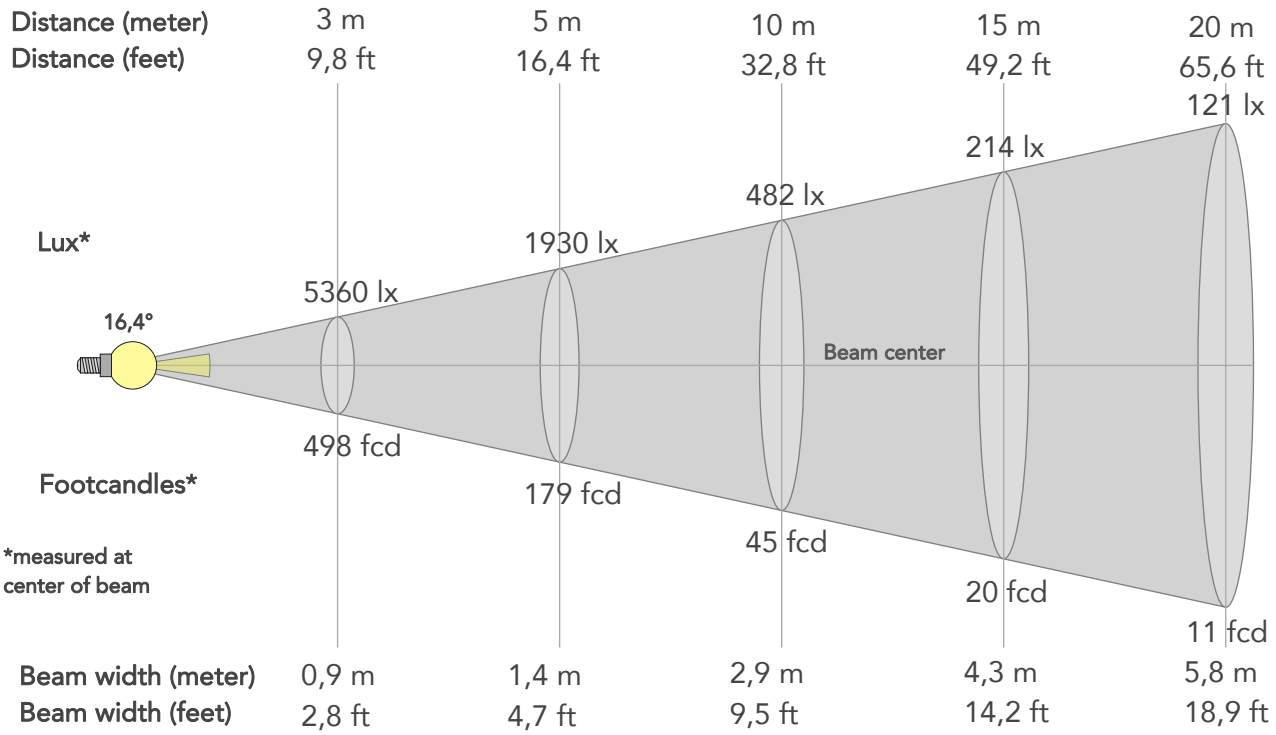
Beam angle 50%: 16,4°
Field angle 10%: 27,8°
Cut off angle 2.5%: 36,9°

Spectra



BEAM DETAILS

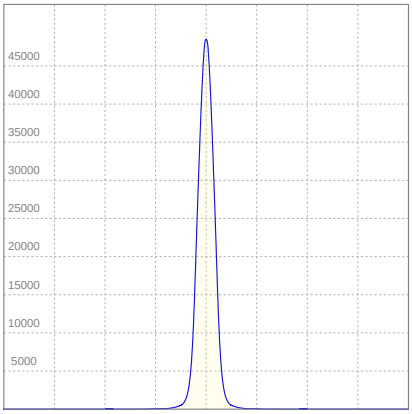
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,4°	27,8°	36,9°	100,0%	99,5%



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	48239lx	12060lx	5360lx	3015lx	1930lx	858lx	482lx	214lx	121lx	77lx	54lx	30lx	19lx
Footcand.	4482fcd	1120fcd	498fcd	280fcd	179fcd	80fcd	45fcd	20fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,4m	2,2m	2,9m	4,3m	5,8m	7,2m	8,7m	11,5m	14,4m
Beam wid.	1ft	1,9ft	2,8ft	3,8ft	4,7ft	7,1ft	9,5ft	14,2ft	18,9ft	23,7ft	28,4ft	37,8ft	47,3ft

LINEAR DISTRIBUTION DIAGRAM



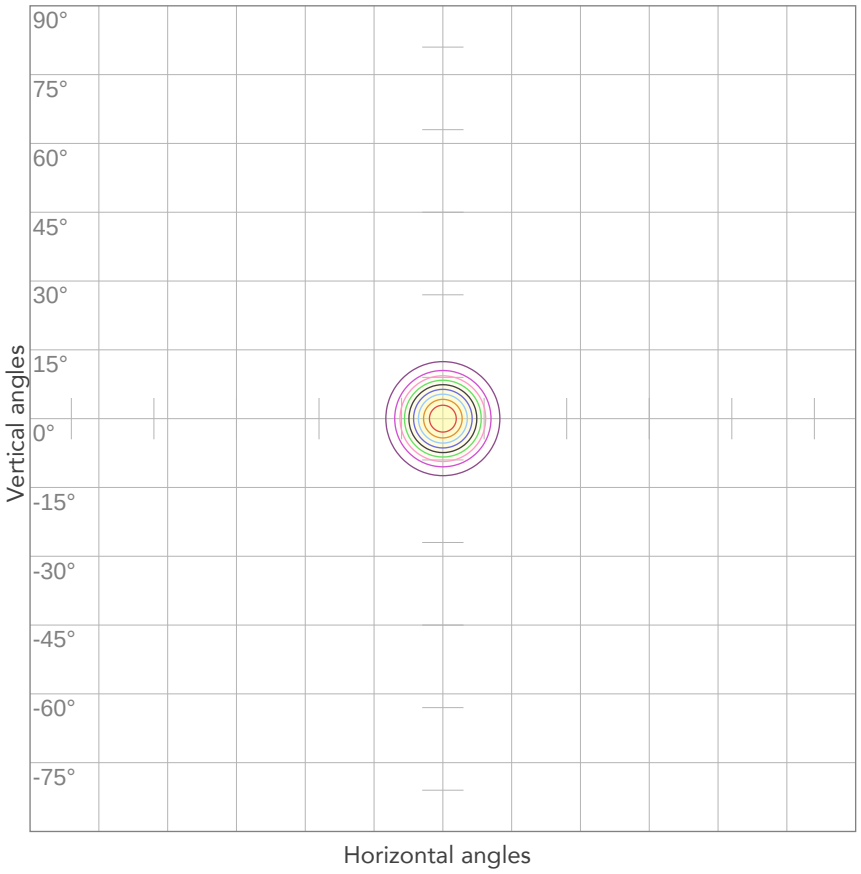
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,574A	123,1W	35lm/W

Power FC
0,95

ISO DIAGRAMS

ISO CANDELA DIAGRAM



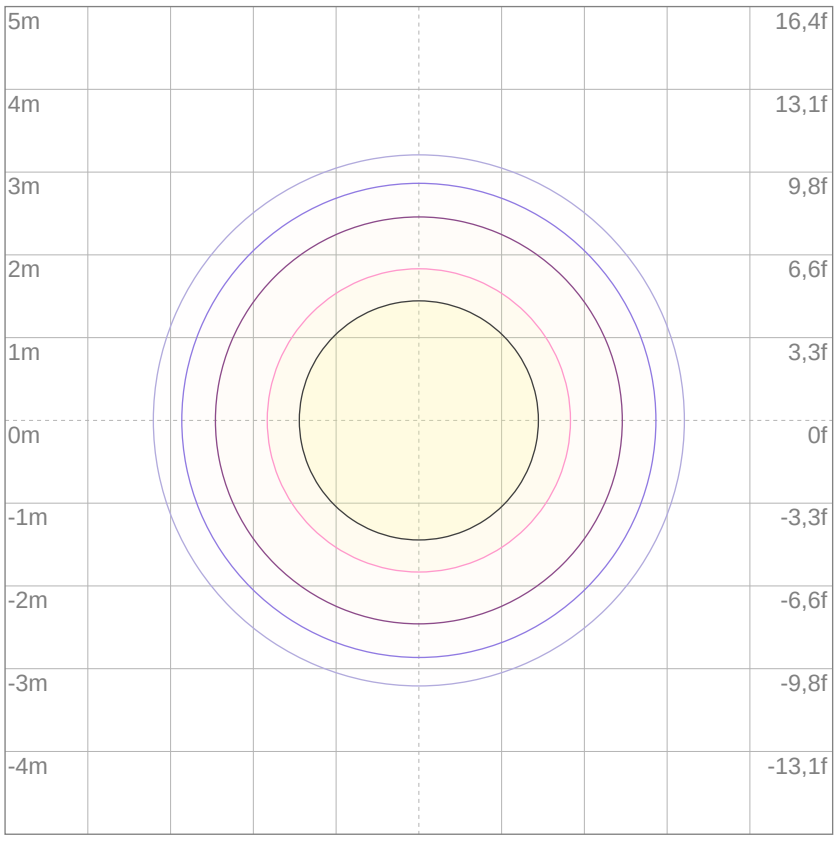
10%	4824 cd
20%	9648 cd
30%	14472 cd
40%	19296 cd
50%	24120 cd
60%	28943 cd
70%	33767 cd
80%	38591 cd

Conditions:

Number of c-planes: 2

Candela at center: 48239 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	14,5 lx
5%	24,1 lx
10%	48,2 lx
30%	145 lx
50%	241 lx

Conditions:

Number of c-planes: 2

Lux at center: 482 lx

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

Total lumen output:

4866 lm

Peak candela output:

27962 cd

PRODUCT NAME:

ARCPAR18 FC

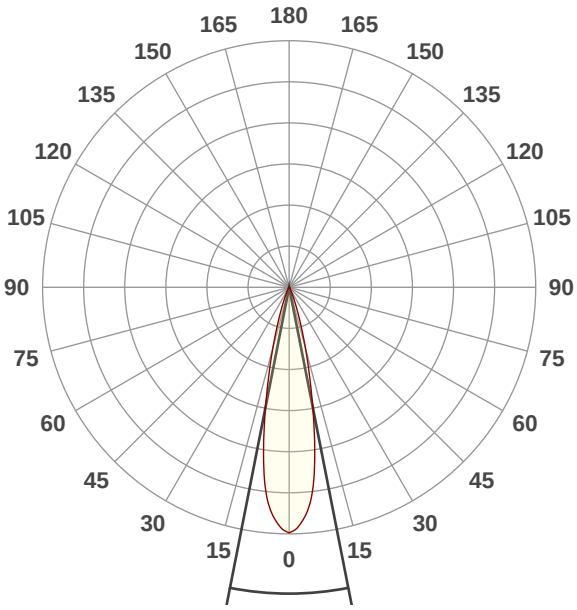
MEASURAMENT CONDITIONS:

Beam angle:
25°

Target:
Full on

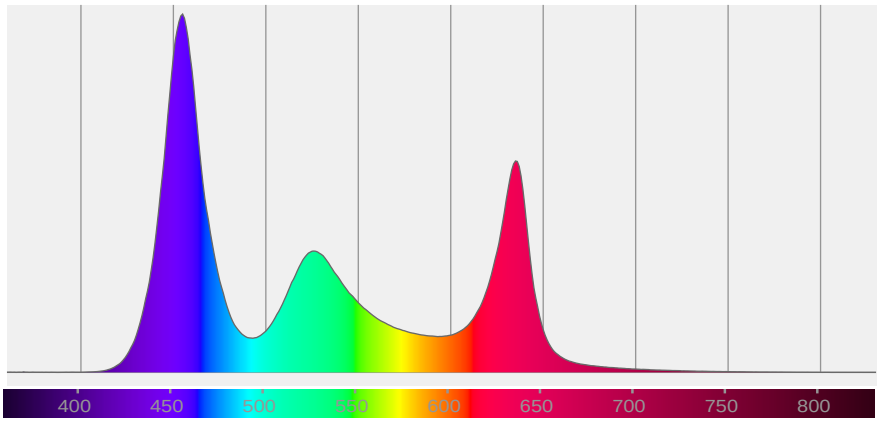
Operator:
Paolo Carvone

Date and time:
04/09/2020 16:13:38



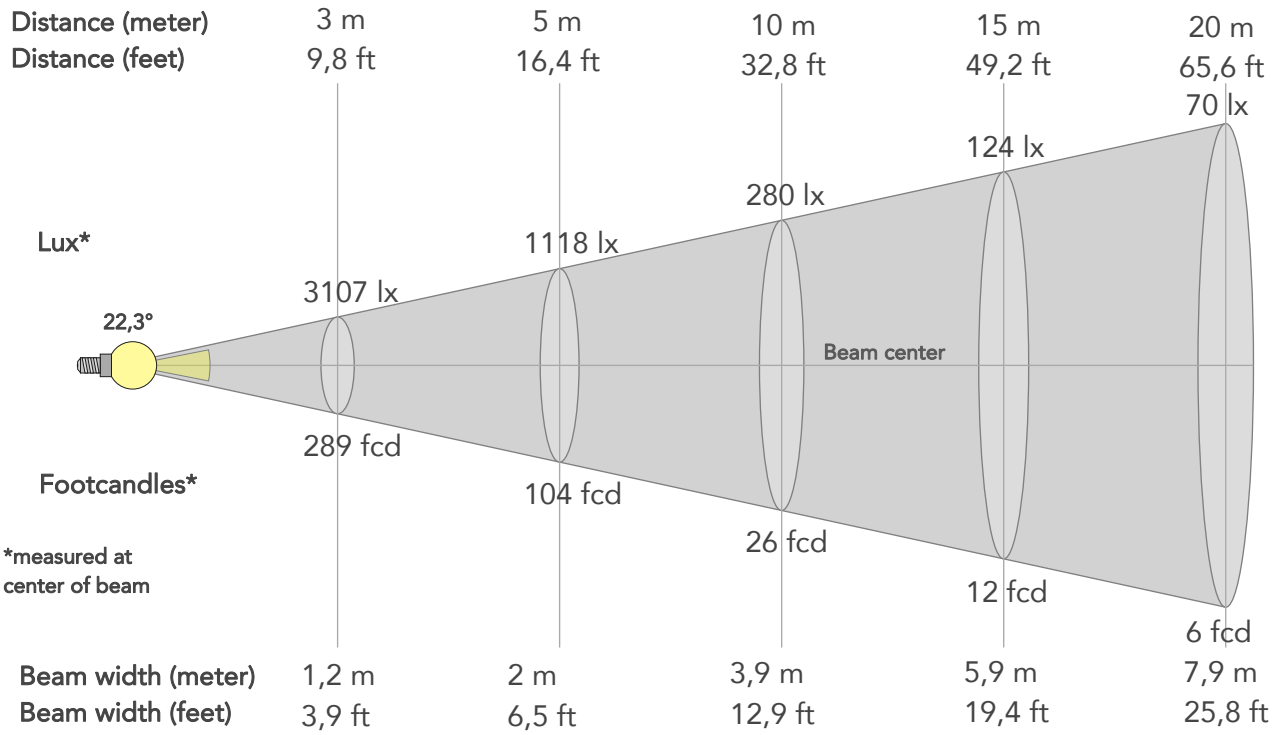
Beam angle 50%: 22,3°
Field angle 10%: 38,8°
Cut off angle 2.5%: 50,8°

Spectra



BEAM DETAILS

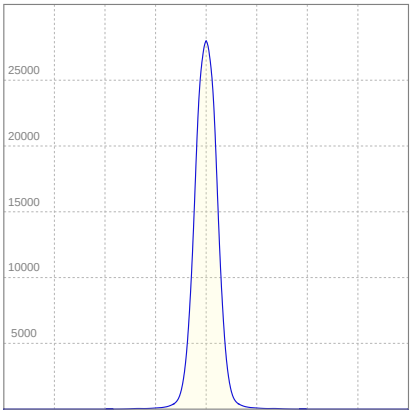
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,3°	38,8°	50,8°	99,1%	97,6%



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	27962lx	6991lx	3107lx	1748lx	1118lx	497lx	280lx	124lx	70lx	45lx	31lx	17lx	11lx
Footcand.	2598fcd	649fcd	289fcd	162fcd	104fcd	46fcd	26fcd	12fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	3,9m	5,9m	7,9m	9,8m	11,8m	15,7m	19,7m
Beam wid.	1,3ft	2,6ft	3,9ft	5,2ft	6,5ft	9,7ft	12,9ft	19,4ft	25,8ft	32,3ft	38,7ft	51,7ft	64,6ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,577A	123,8W	39lm/W

Power FC
0,95

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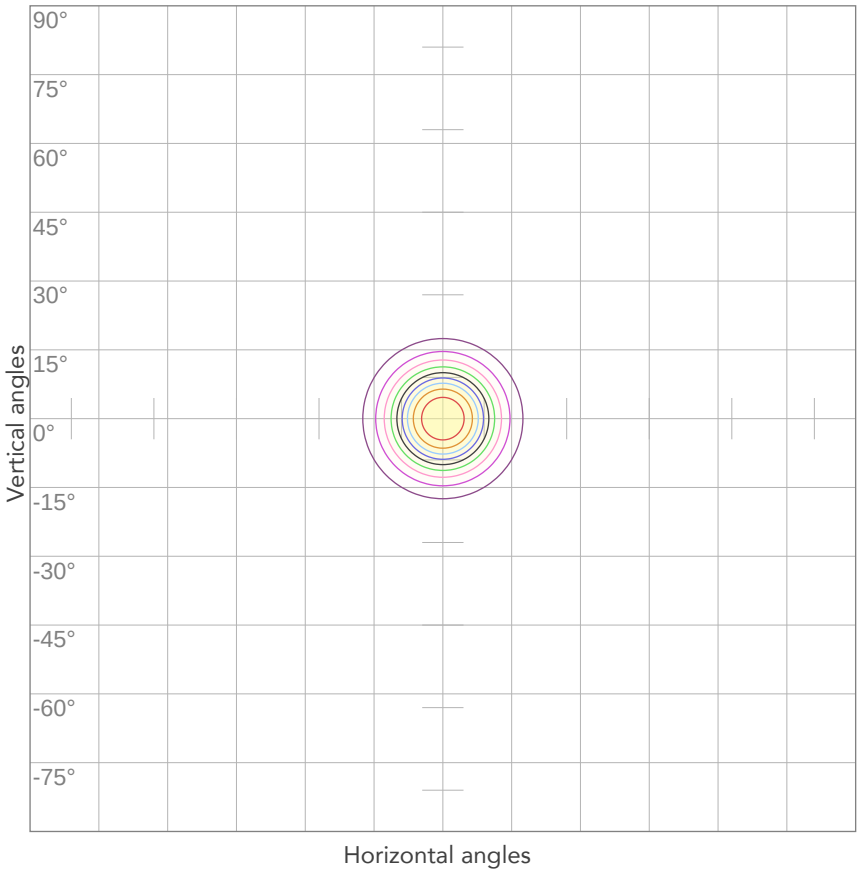
ISO DIAGRAMS

ISO CANDELA DIAGRAM



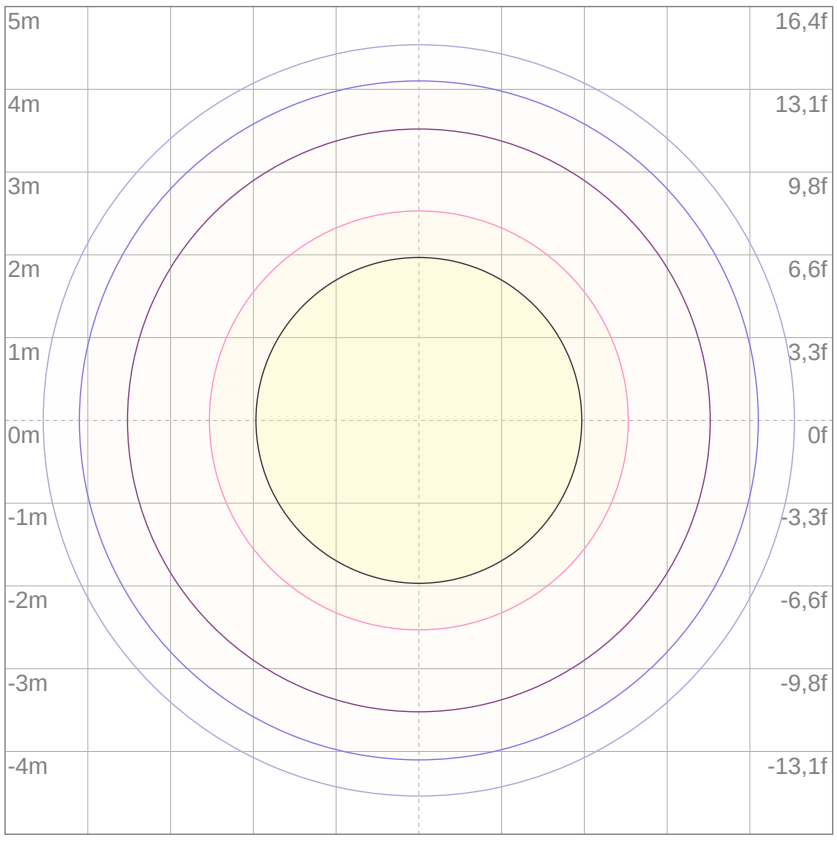
10%	2796 cd
20%	5592 cd
30%	8389 cd
40%	11185 cd
50%	13981 cd
60%	16777 cd
70%	19573 cd
80%	22370 cd

Conditions:

Number of c-planes: 2

Candela at center: 27962 cd

ISO LUX DIAGRAM



3%	8,39 lx
5%	14,0 lx
10%	28,0 lx
30%	83,9 lx
50%	140 lx

Conditions:

Number of c-planes: 2

Lux at center: 280 lx

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

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Total lumen output:

4798 lm

Peak candela output:

7562 cd

PRODUCT NAME:

ARCPAR18 FC

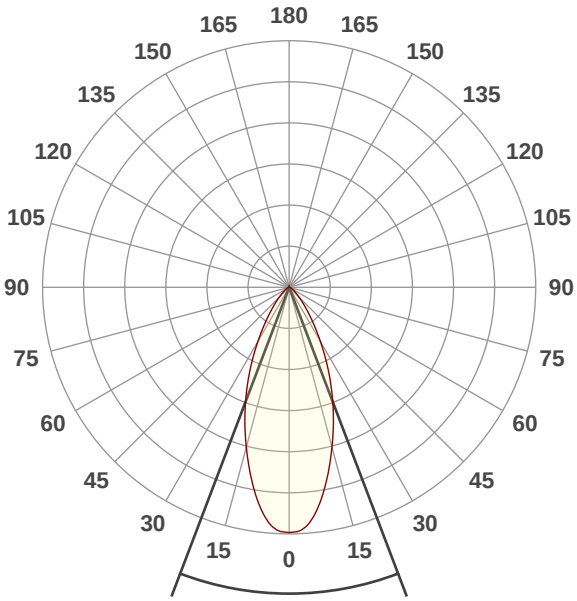
MEASURAMENT CONDITIONS:

Beam angle:
45°

Target:
Full on

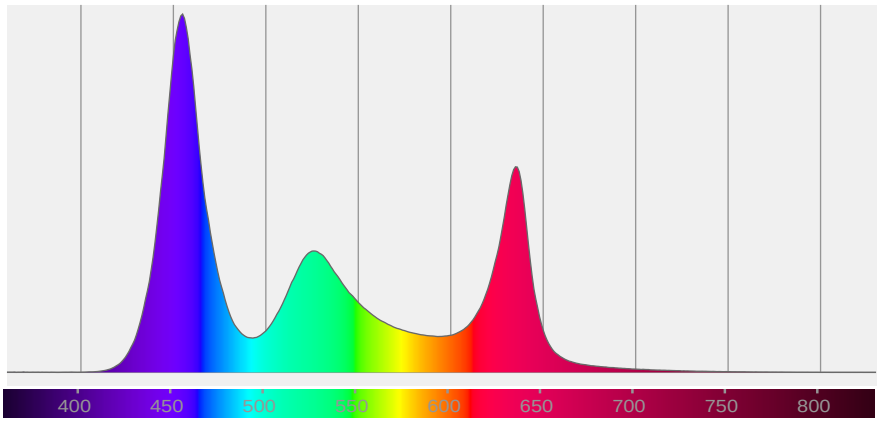
Operator:
Paolo Carvone

Date and time:
04/09/2020 15:52:06



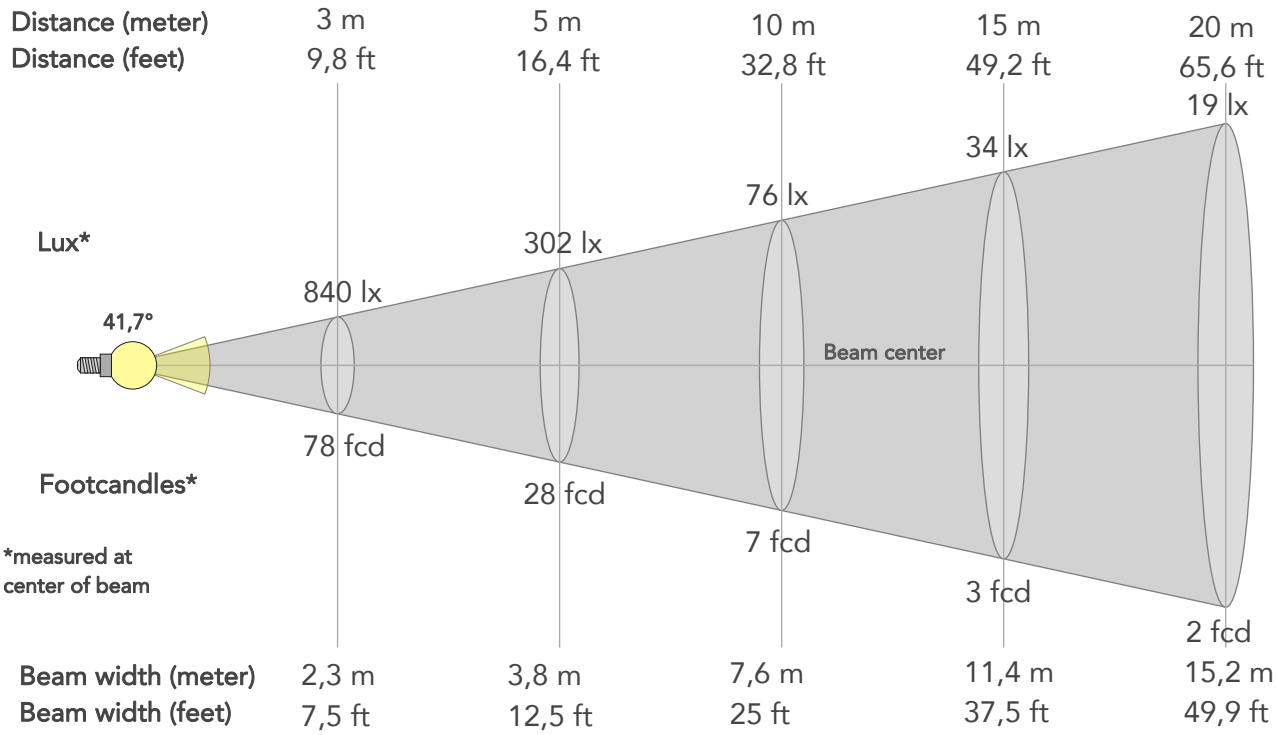
Beam angle 50%: 41,7°
Field angle 10%: 79,2°
Cut off angle 2.5%: 107,8°

Spectra



BEAM DETAILS

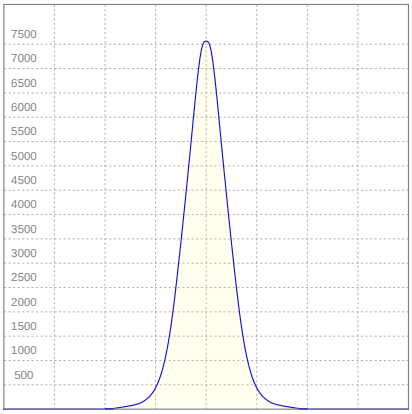
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,7°	79,2°	107,8°	97,2%	91,1%



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	7562lx	1891lx	840lx	473lx	302lx	134lx	76lx	34lx	19lx	12lx	8lx	5lx	3lx
Footcand.	703fcd	176fcd	78fcd	44fcd	28fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,7m	7,6m	11,4m	15,2m	19m	22,8m	30,4m	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	124,8ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,576A	123,6W	39lm/W

Power FC
0,95

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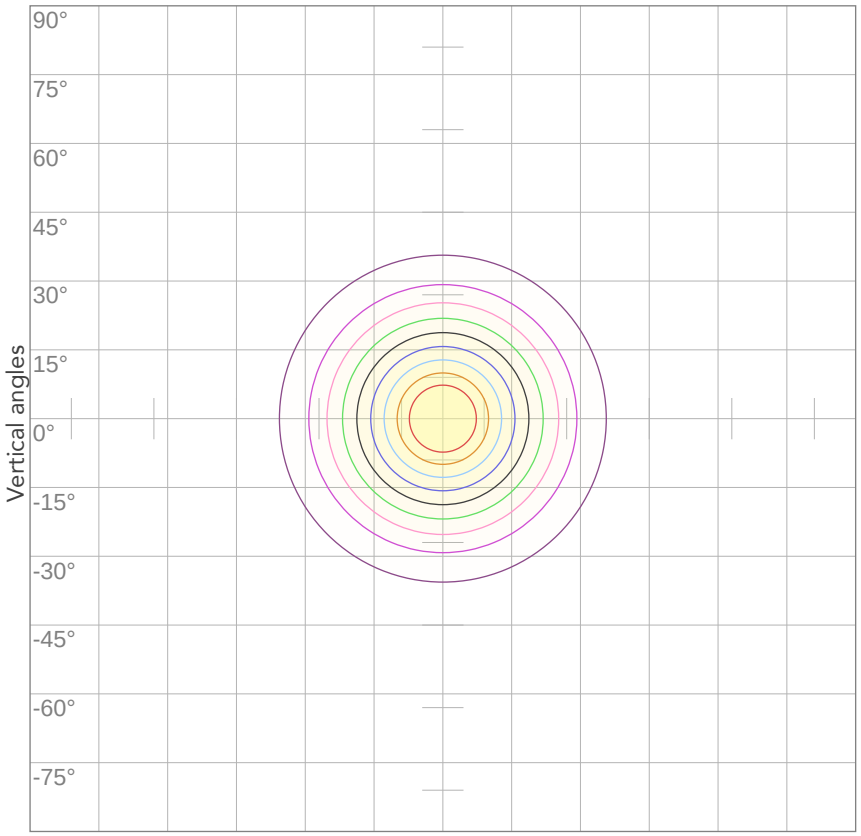
ISO DIAGRAMS

ISO CANDELA DIAGRAM



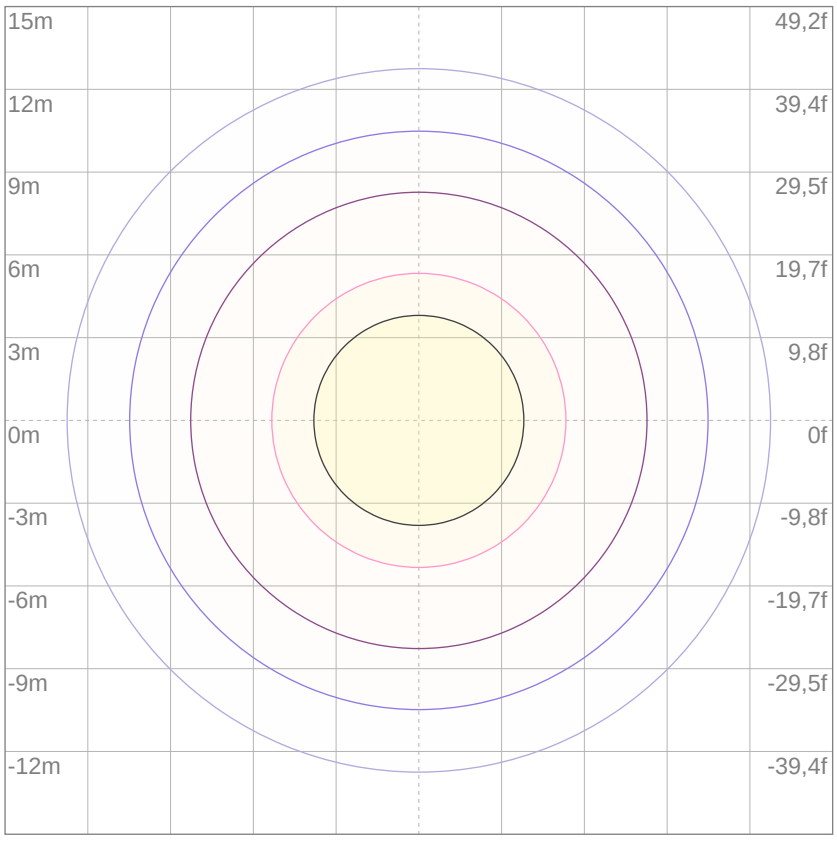
10%	756 cd
20%	1512 cd
30%	2269 cd
40%	3025 cd
50%	3781 cd
60%	4537 cd
70%	5293 cd
80%	6050 cd

Conditions:

Number of c-planes: 2

Candela at center: 7562 cd

ISO LUX DIAGRAM



3%	2,27 lx
5%	3,78 lx
10%	7,56 lx
30%	22,7 lx
50%	37,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 75,6 lx

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

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Total lumen output:

688 lm

Peak candela output:

8234 cd

PRODUCT NAME:

ARCPAR18 FC

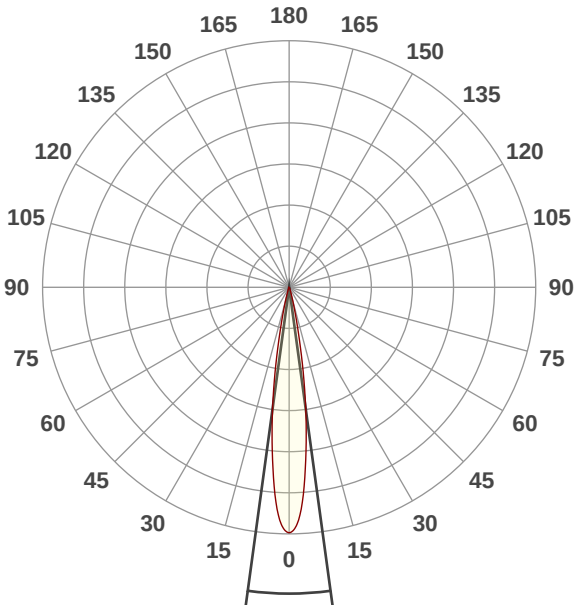
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
Red

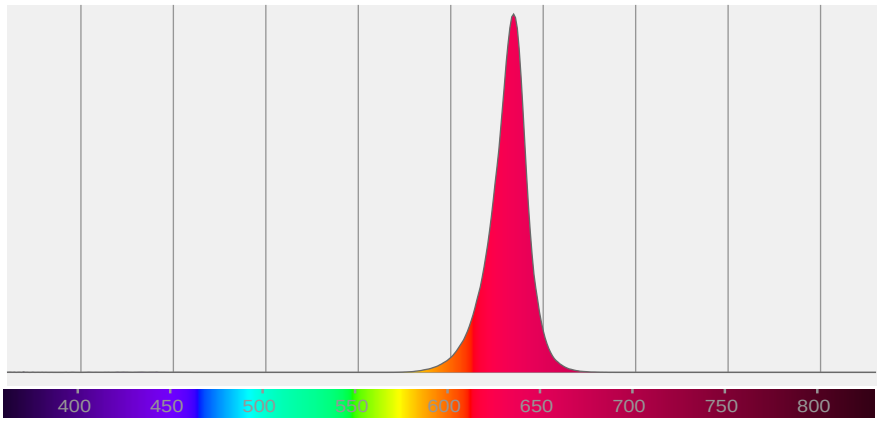
Operator:
Paolo Carvone

Date and time:
04/09/2020 15:17:46



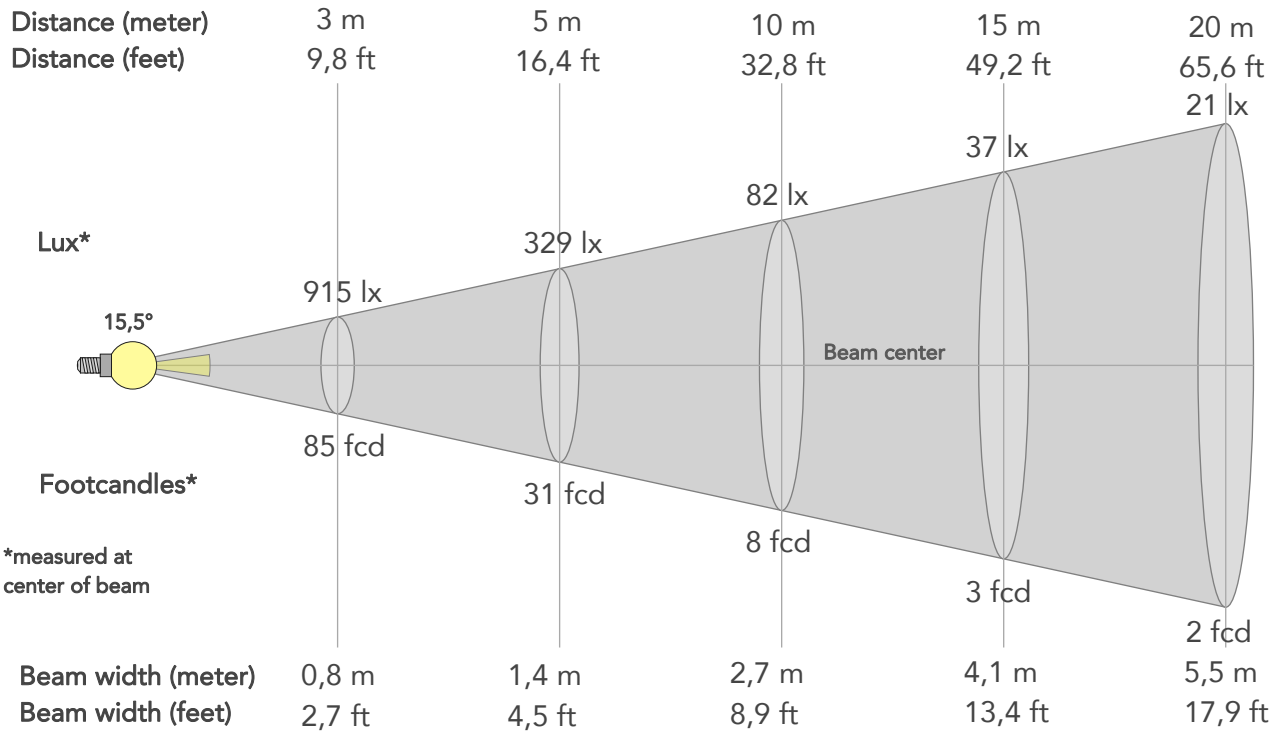
Beam angle 50%: 15,5°
Field angle 10%: 26,9°
Cut off angle 2.5%: 35,2°

Spectra



BEAM DETAILS

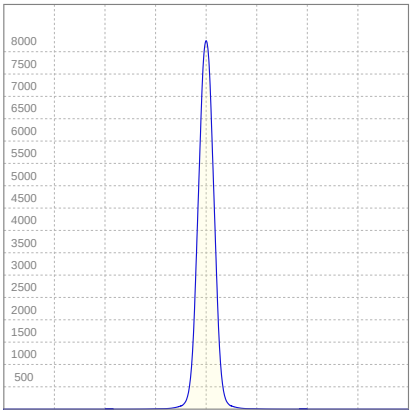
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,5°	26,9°	35,2°	99,9%	99,2%



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	8234lx	2058lx	915lx	515lx	329lx	146lx	82lx	37lx	21lx	13lx	9lx	5lx	3lx
Footcand.	765fcd	191fcd	85fcd	48fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2m	2,7m	4,1m	5,5m	6,8m	8,2m	10,9m	13,6m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,7ft	8,9ft	13,4ft	17,9ft	22,4ft	26,8ft	35,8ft	44,7ft

LINEAR DISTRIBUTION DIAGRAM



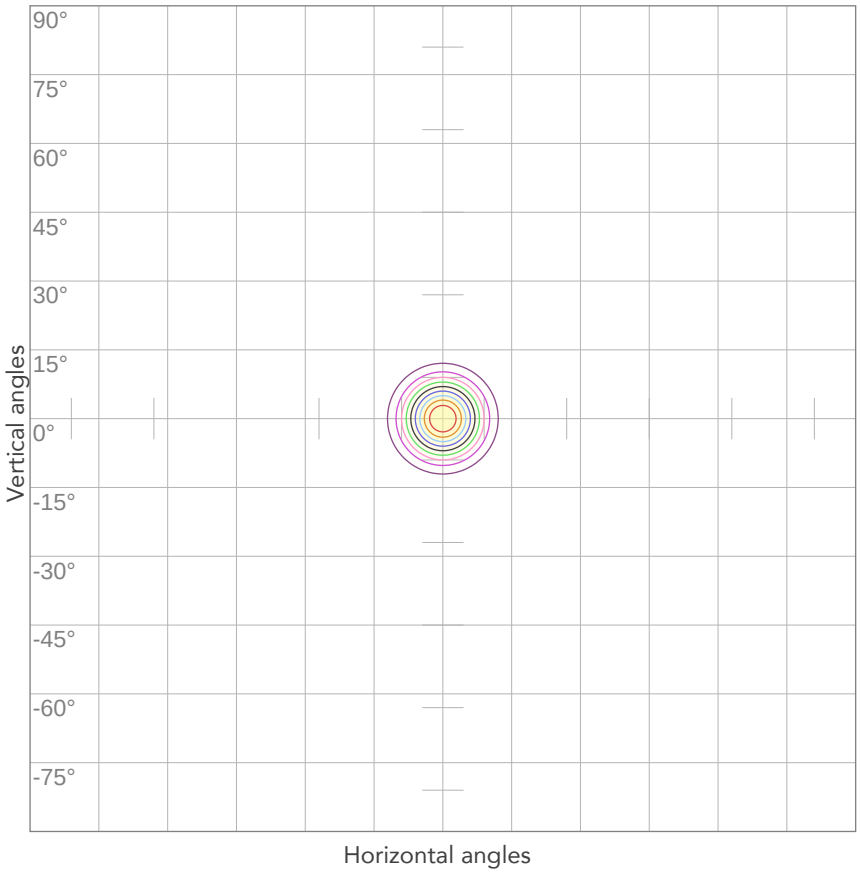
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,167A	28,0W	25lm/W

Power FC
0,74

ISO DIAGRAMS

ISO CANDELA DIAGRAM



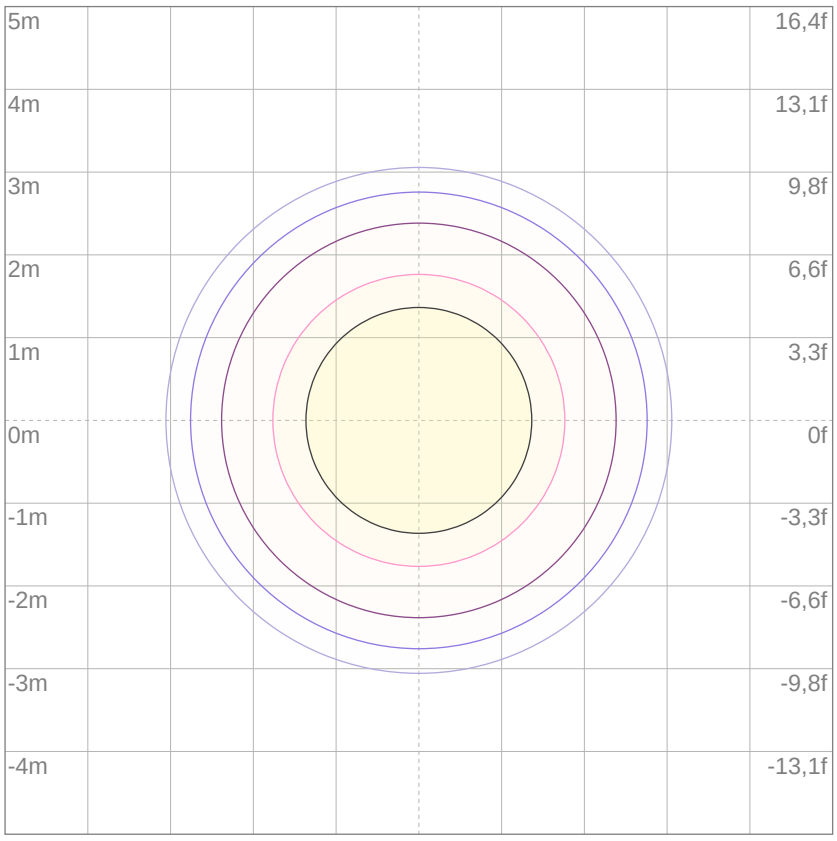
10%	823 cd
20%	1647 cd
30%	2470 cd
40%	3294 cd
50%	4117 cd
60%	4940 cd
70%	5764 cd
80%	6587 cd

Conditions:

Number of c-planes: 2

Candela at center: 8234 cd

ISO LUX DIAGRAM



3%	2,47 lx
5%	4,12 lx
10%	8,23 lx
30%	24,7 lx
50%	41,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 82,3 lx

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

Total lumen output:

809 lm

Peak candela output:

5113 cd

PRODUCT NAME:

ARCPAR18 FC

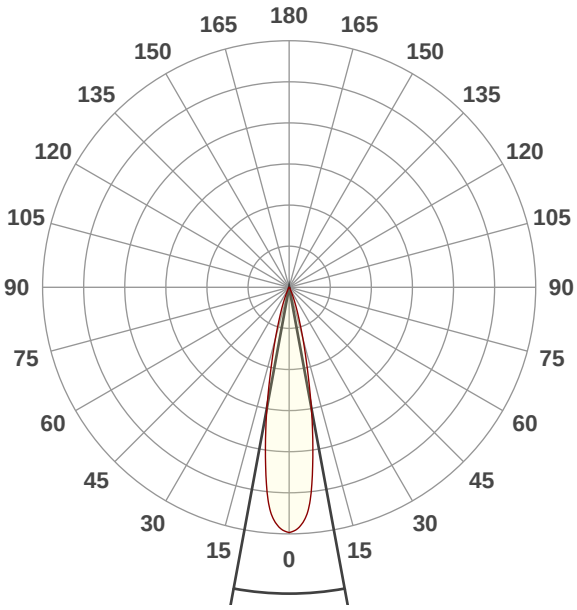
MEASURAMENT CONDITIONS:

Beam angle:
25°

Target:
Red

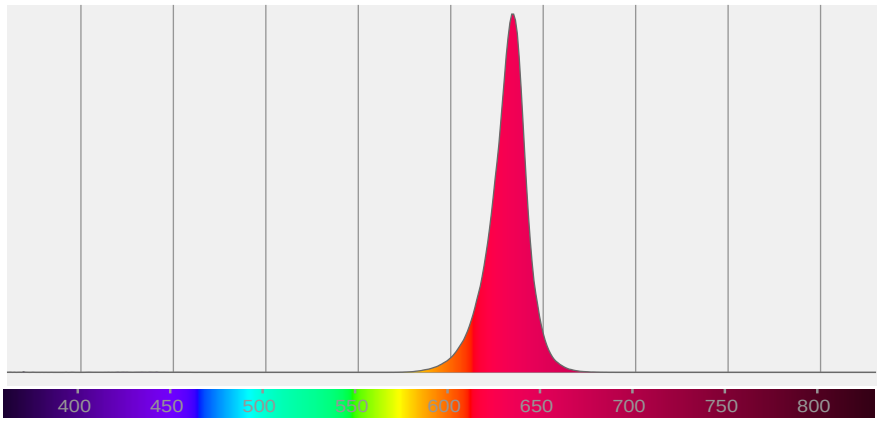
Operator:
Paolo Carvone

Date and time:
04/09/2020 16:15:12



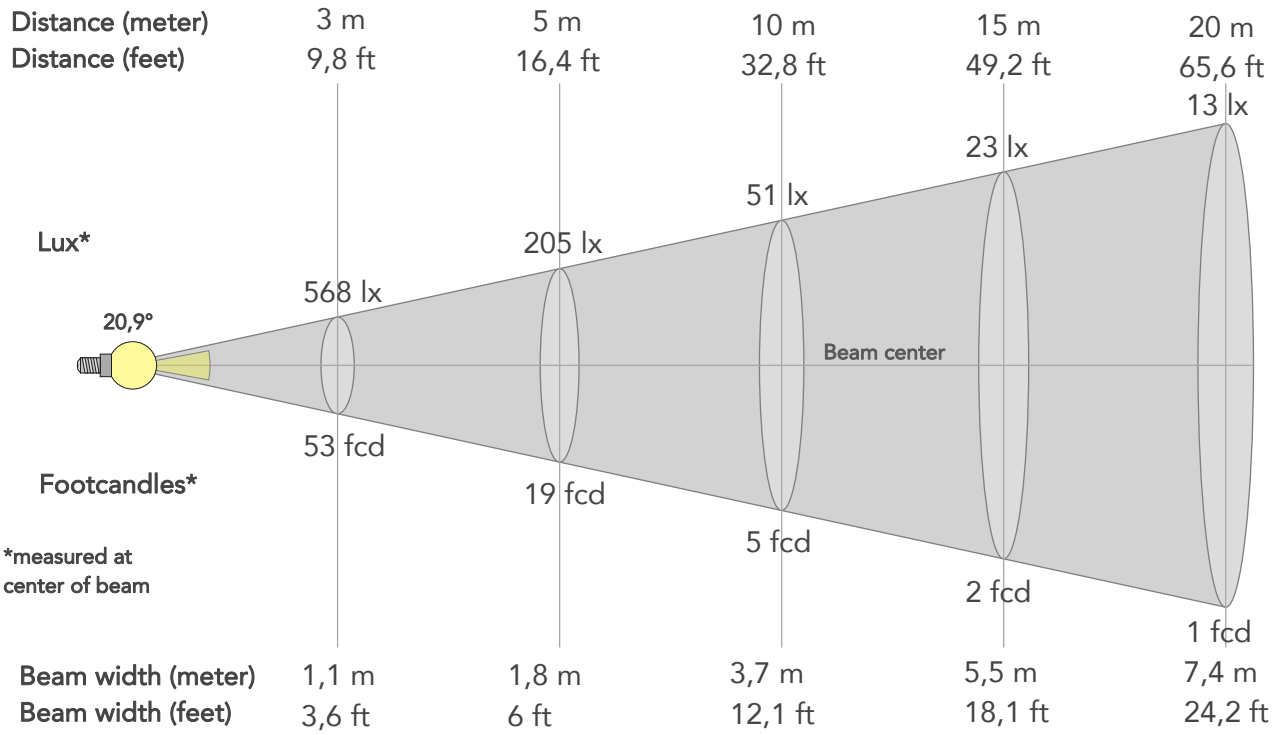
Beam angle 50%: 20,9°
Field angle 10%: 37,6°
Cut off angle 2.5%: 49,1°

Spectra



BEAM DETAILS

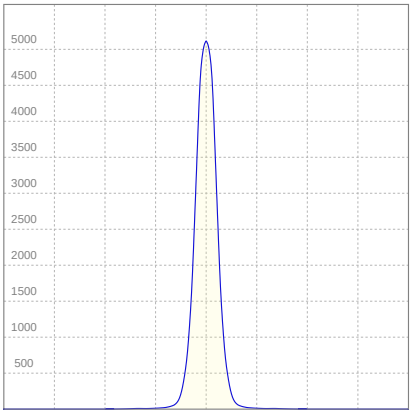
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,9°	37,6°	49,1°	98,7%	97,2%



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	5113lx	1278lx	568lx	320lx	205lx	91lx	51lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	475fcd	119fcd	53fcd	30fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,4m	9,2m	11,1m	14,7m	18,4m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9,1ft	12,1ft	18,1ft	24,2ft	30,2ft	36,3ft	48,4ft	60,4ft

LINEAR DISTRIBUTION DIAGRAM



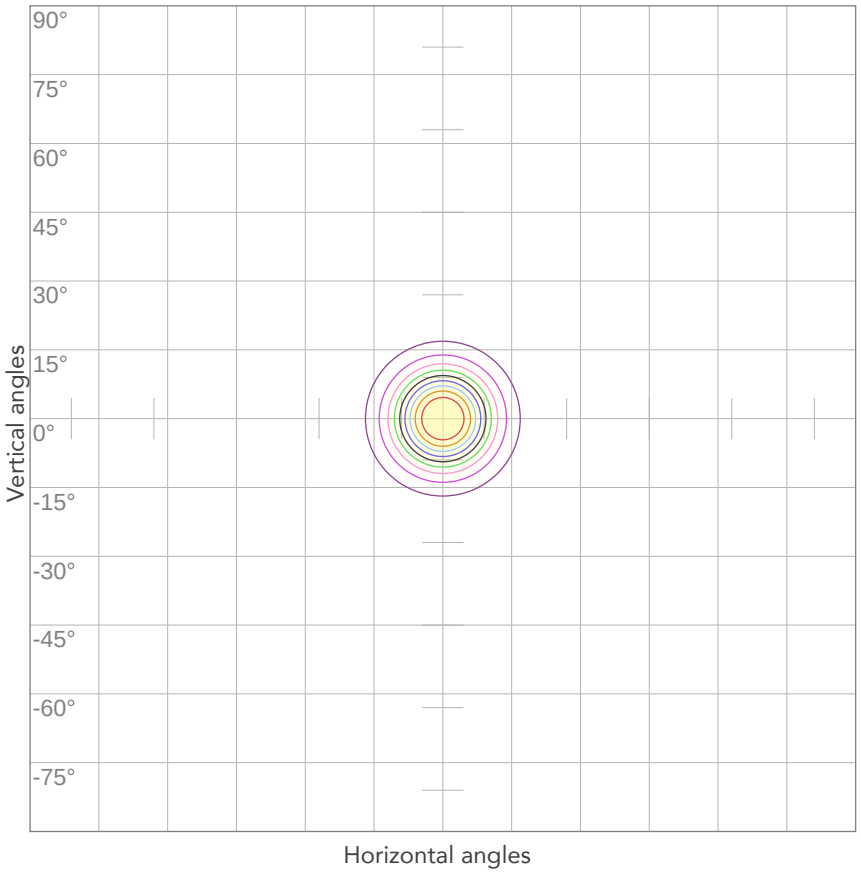
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,169A	28,1W	29lm/W

Power FC
0,74

ISO DIAGRAMS

ISO CANDELA DIAGRAM



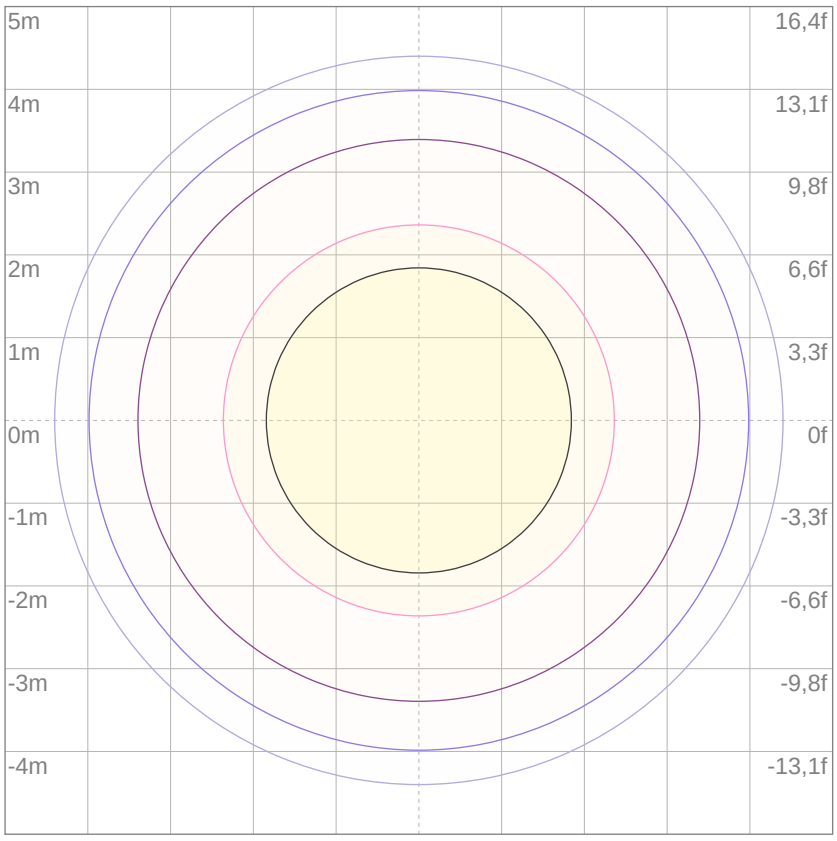
10%	511 cd
20%	1023 cd
30%	1534 cd
40%	2045 cd
50%	2556 cd
60%	3068 cd
70%	3579 cd
80%	4090 cd

Conditions:

Number of c-planes: 2

Candela at center: 5113 cd

ISO LUX DIAGRAM



3%	1,53 lx
5%	2,56 lx
10%	5,11 lx
30%	15,3 lx
50%	25,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 51,1 lx

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

Total lumen output:

784 lm

Peak candela output:

1233 cd

PRODUCT NAME:

ARCPAR18 FC

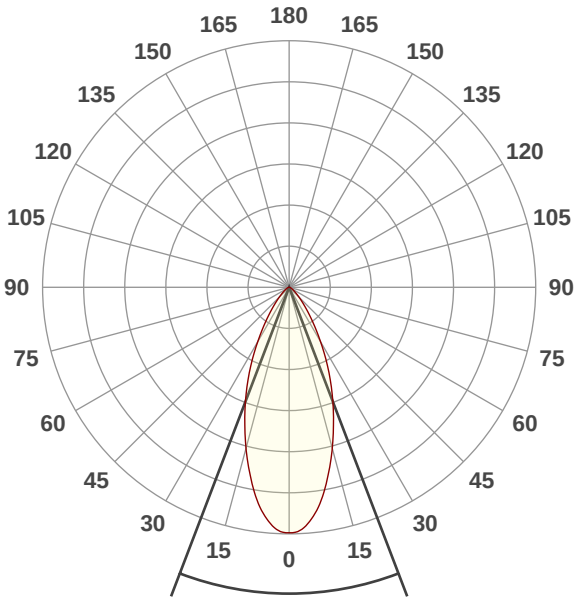
MEASURAMENT CONDITIONS:

Beam angle:
45°

Target:
Red

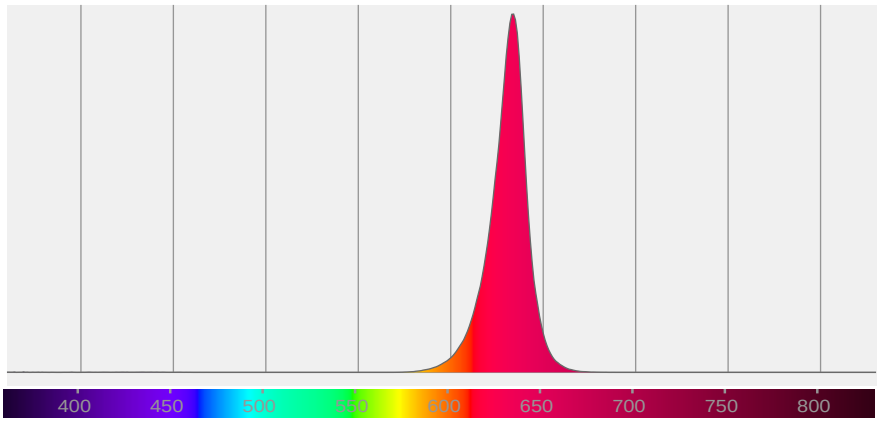
Operator:
Paolo Carvone

Date and time:
04/09/2020 15:53:54



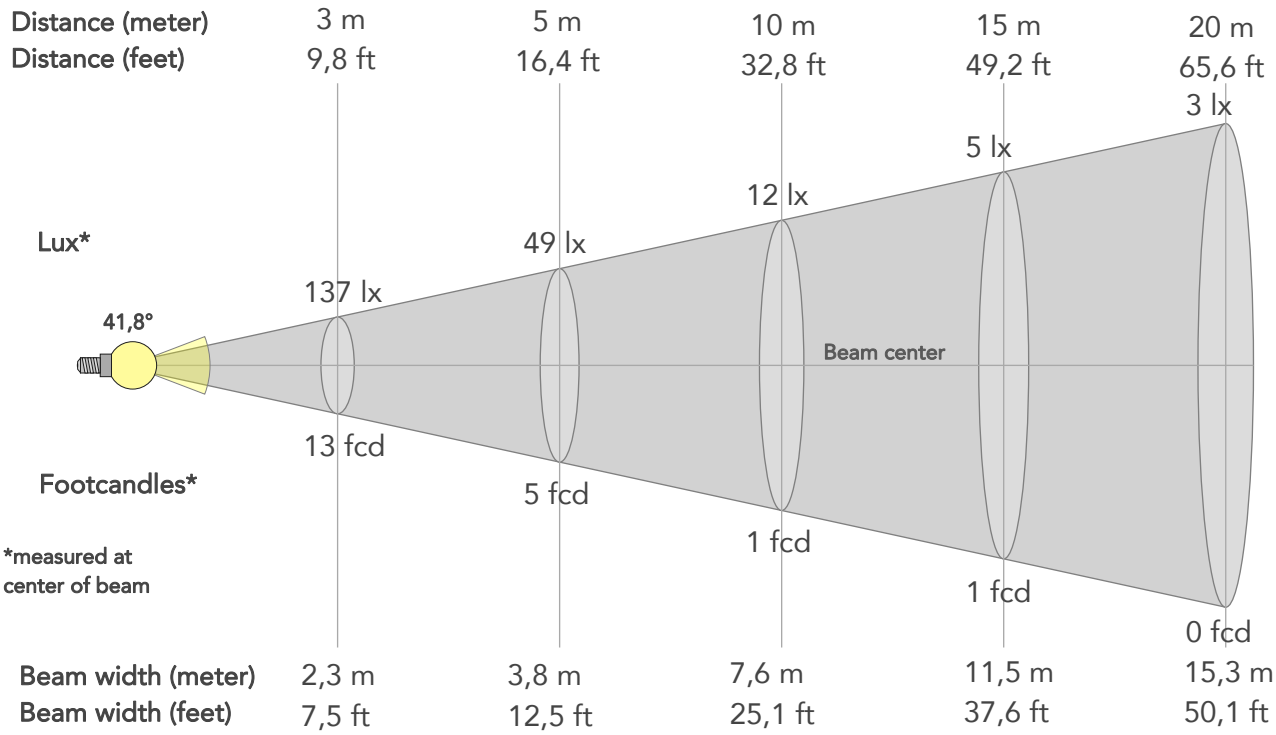
Beam angle 50%: 41,8°
Field angle 10%: 79,2°
Cut off angle 2.5%: 107,3°

Spectra



BEAM DETAILS

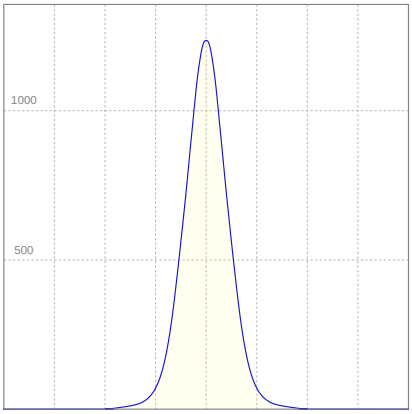
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,8°	79,2°	107,3°	97,2%	91,1%



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	1233lx	308lx	137lx	77lx	49lx	22lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	115fcd	29fcd	13fcd	7fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3,1m	3,8m	5,7m	7,6m	11,5m	15,3m	19,1m	22,9m	30,6m	38,2m
Beam wid.	2,5ft	5ft	7,5ft	10ft	12,5ft	18,8ft	25,1ft	37,6ft	50,1ft	62,7ft	75,2ft	100,3ft	125,3ft

LINEAR DISTRIBUTION DIAGRAM



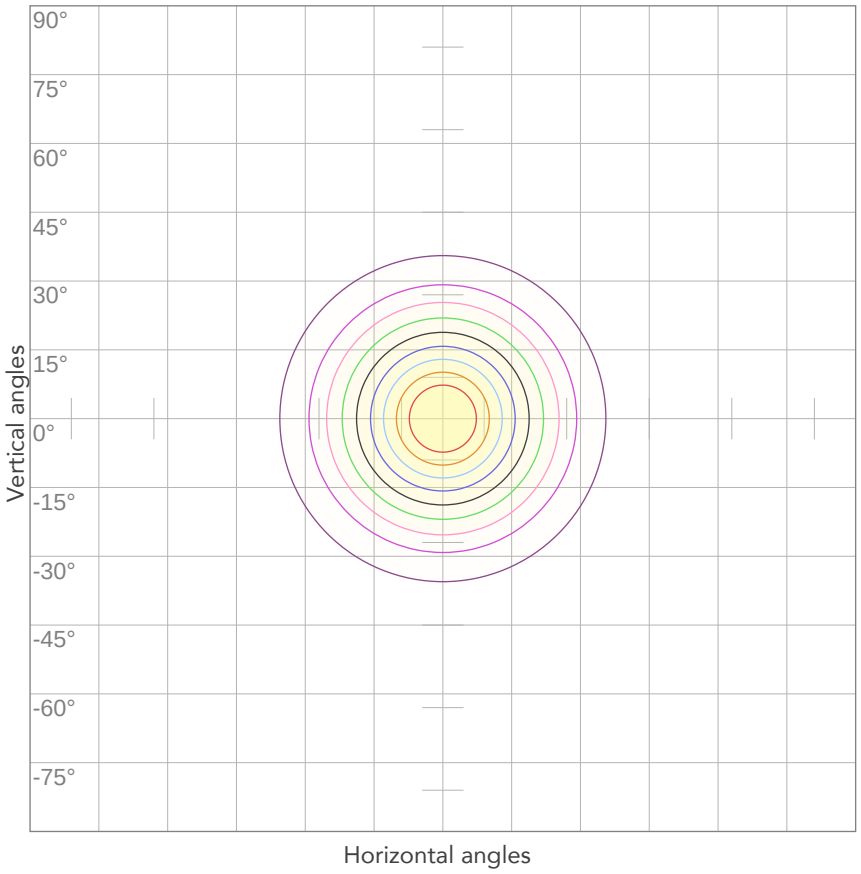
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,169A	28,1W	28lm/W

Power FC
0,74

ISO DIAGRAMS

ISO CANDELA DIAGRAM



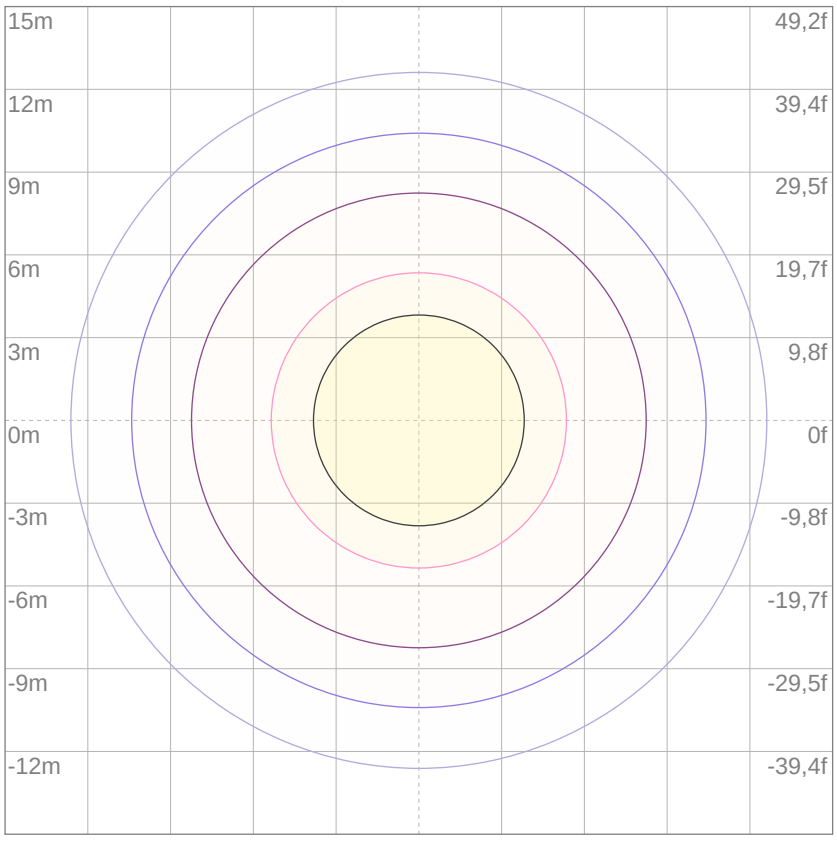
10%	123 cd
20%	247 cd
30%	370 cd
40%	493 cd
50%	616 cd
60%	740 cd
70%	863 cd
80%	986 cd

Conditions:

Number of c-planes: 2

Candela at center: 1233 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,370 lx
5%	0,616 lx
10%	1,23 lx
30%	3,70 lx
50%	6,16 lx

Conditions:

Number of c-planes: 2

Lux at center: 12,3 lx

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

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Total lumen output:

1654 lm

Peak candela output:

17872 cd

PRODUCT NAME:

ARCPAR18 FC

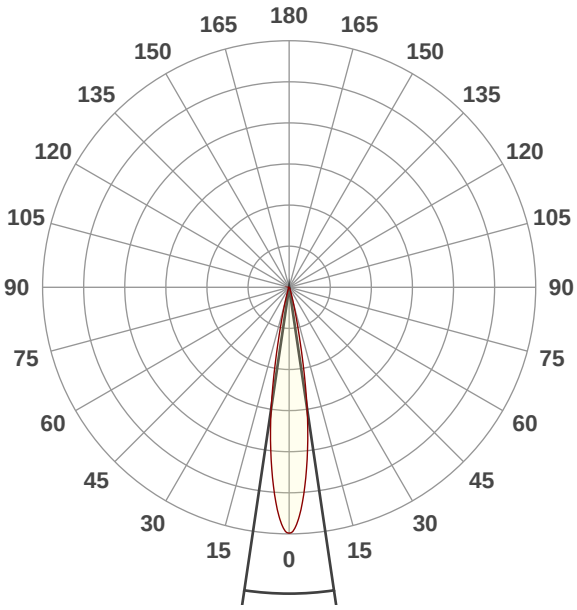
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
Green

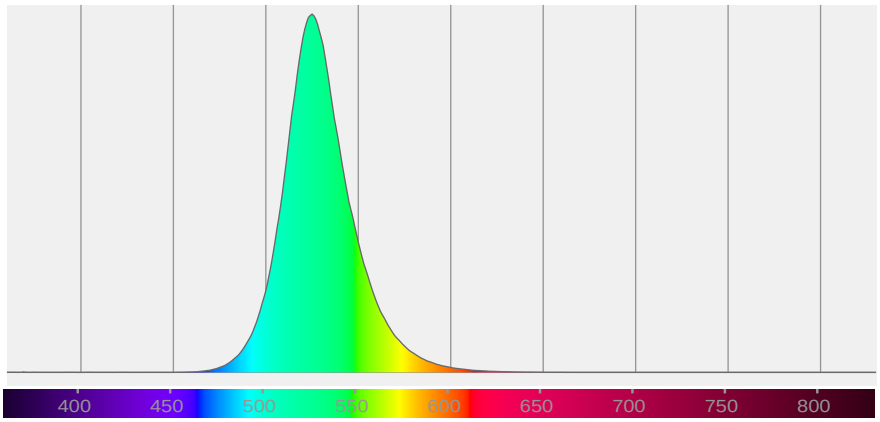
Operator:
Paolo Carvone

Date and time:
04/09/2020 15:19:24



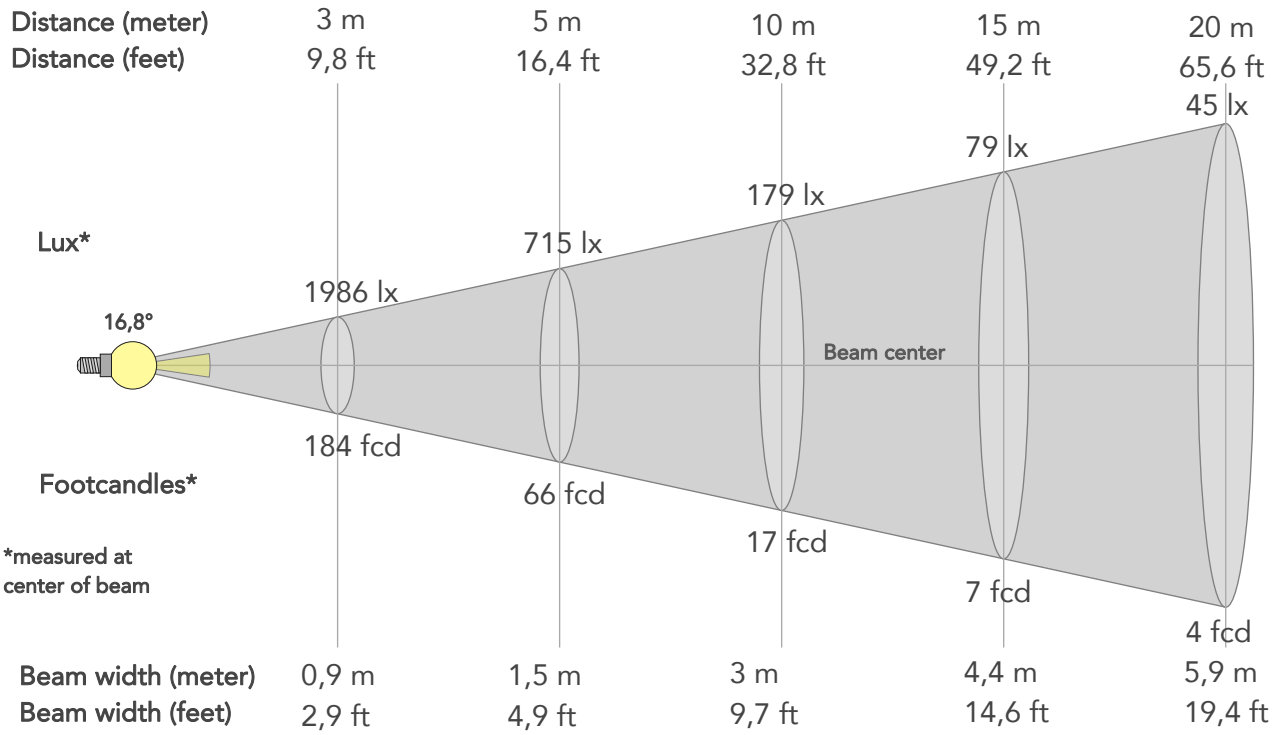
Beam angle 50%: 16,8°
Field angle 10%: 27,7°
Cut off angle 2.5%: 36,9°

Spectra



BEAM DETAILS

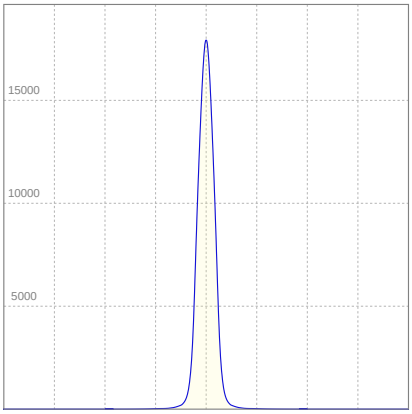
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,8°	27,7°	36,9°	99,8%	98,9%



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	17872lx	4468lx	1986lx	1117lx	715lx	318lx	179lx	79lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1660fcd	415fcd	184fcd	104fcd	66fcd	30fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
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	38,8ft	48,5ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,209A	37,7W	44lm/W

Power FC
0,8

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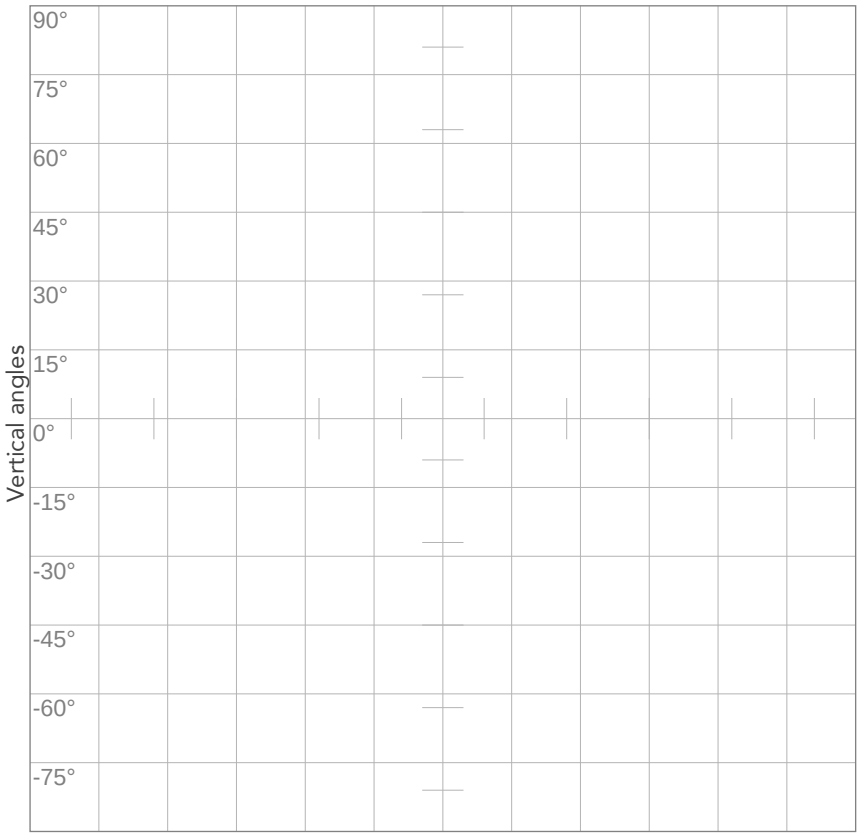
ISO DIAGRAMS

ISO CANDELA DIAGRAM



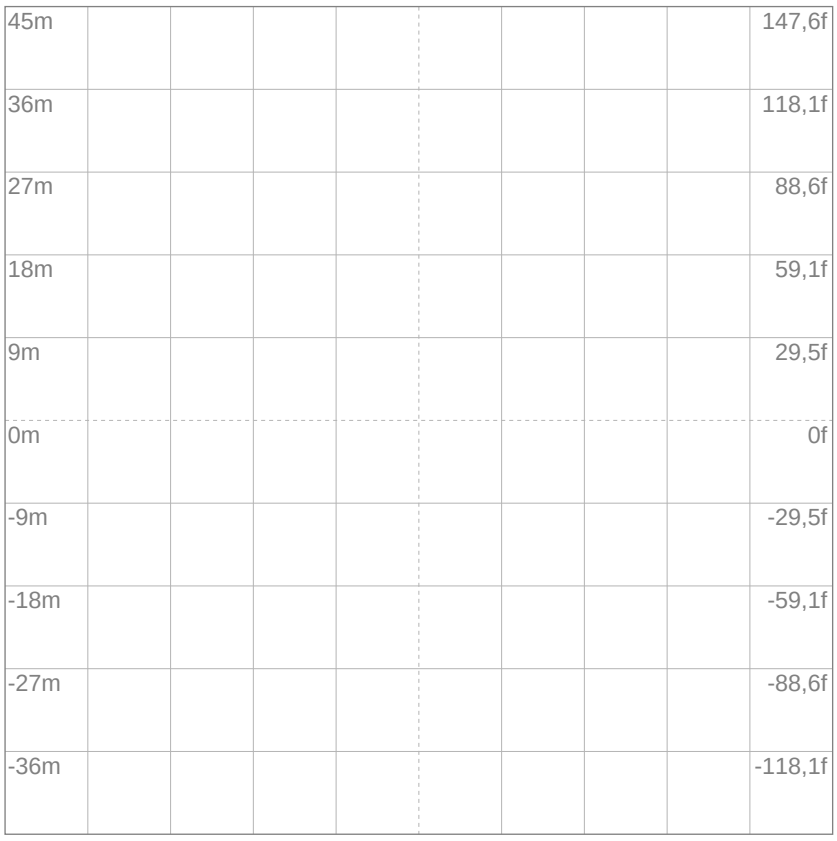
10%	1787 cd
20%	3574 cd
30%	5362 cd
40%	7149 cd
50%	8936 cd
60%	10723 cd
70%	12510 cd
80%	14297 cd

Conditions:

Number of c-planes: 2

Candela at center: 17872 cd

ISO LUX DIAGRAM



3%	5,36 lx
5%	8,94 lx
10%	17,9 lx
30%	53,6 lx
50%	89,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 179 lx

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

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Total lumen output:

1824 lm

Peak candela output:

10506 cd

PRODUCT NAME:

ARCPAR18 FC

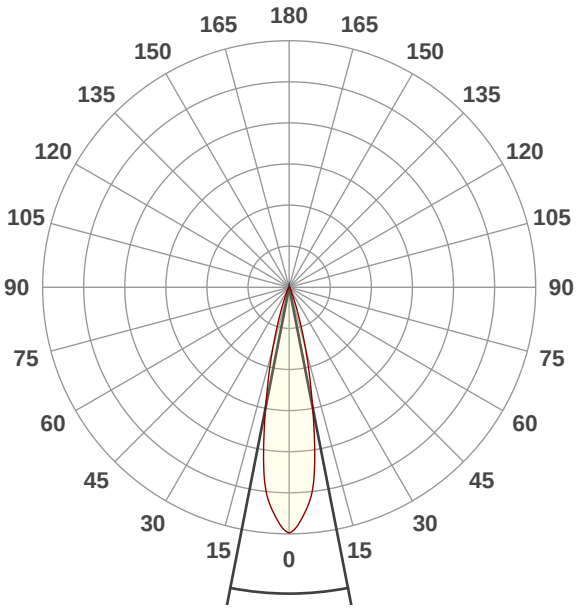
MEASURAMENT CONDITIONS:

Beam angle:
25°

Target:
Green

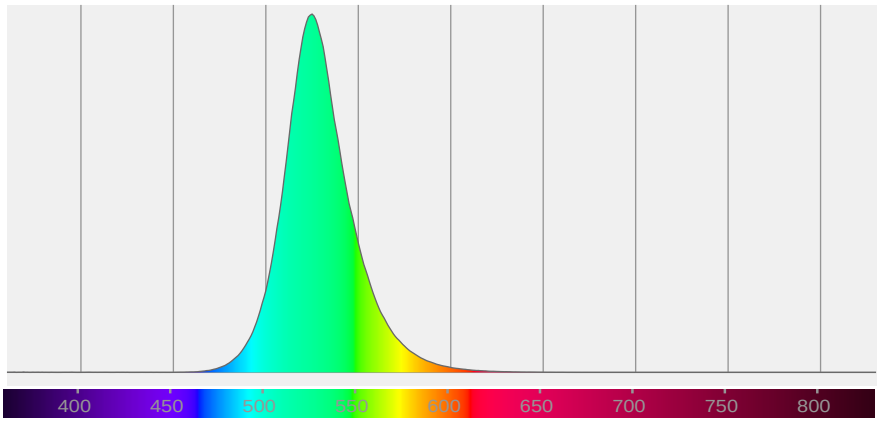
Operator:
Paolo Carvone

Date and time:
04/09/2020 16:16:41



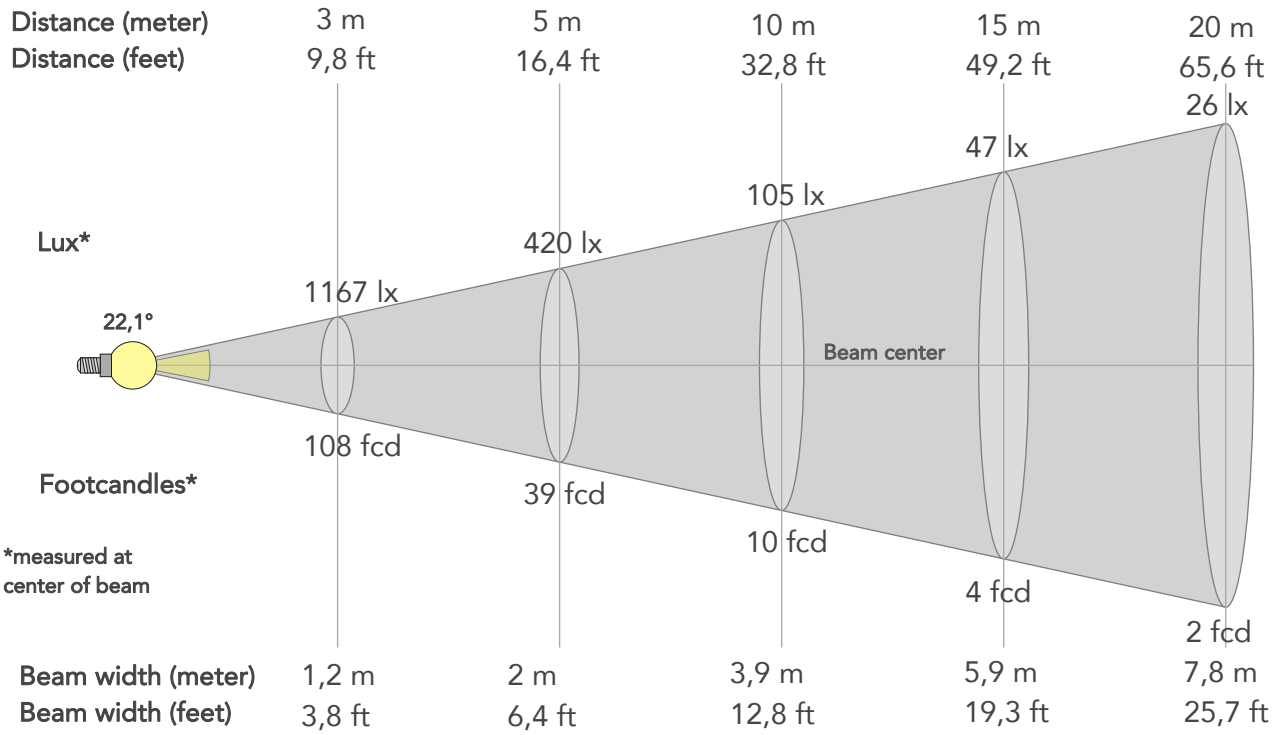
Beam angle 50%: 22,1°
Field angle 10%: 38,3°
Cut off angle 2.5%: 50,3°

Spectra



BEAM DETAILS

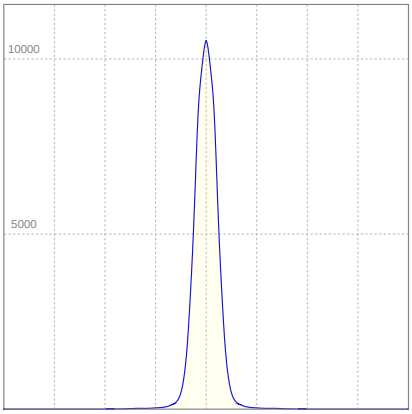
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,1°	38,3°	50,3°	98,6%	96,9%



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	10506lx	2626lx	1167lx	657lx	420lx	187lx	105lx	47lx	26lx	17lx	12lx	7lx	4lx
Footcand.	976fcd	244fcd	108fcd	61fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	2,9m	3,9m	5,9m	7,8m	9,8m	11,7m	15,7m	19,6m
Beam wid.	1,3ft	2,6ft	3,8ft	5,1ft	6,4ft	9,6ft	12,8ft	19,3ft	25,7ft	32,1ft	38,5ft	51,3ft	64,2ft

LINEAR DISTRIBUTION DIAGRAM



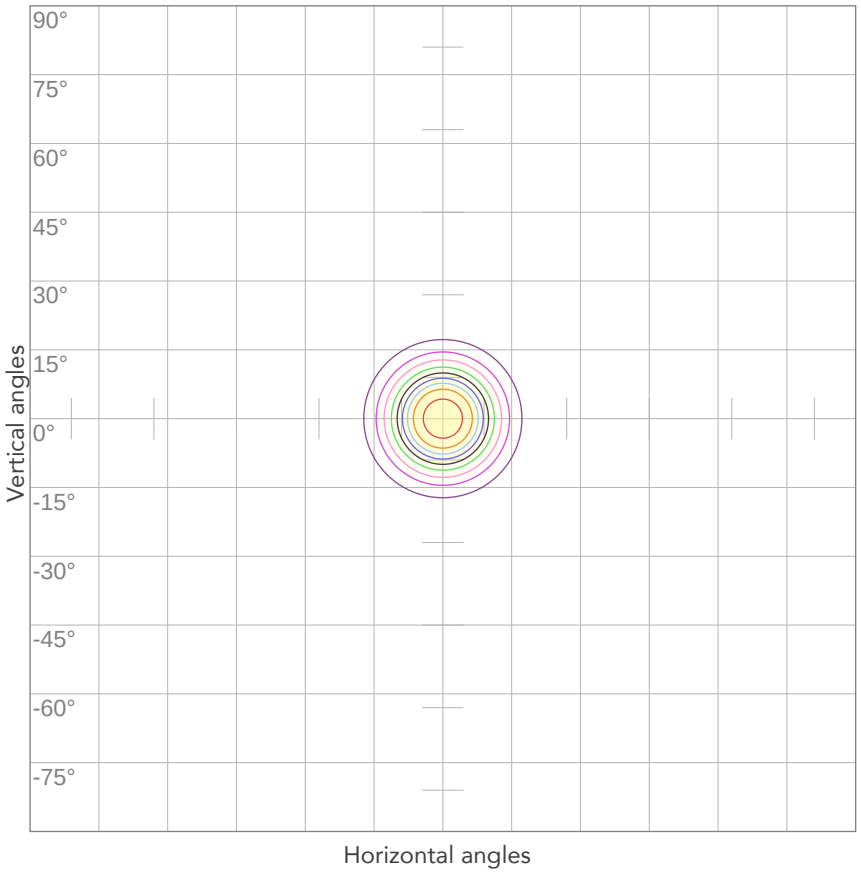
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,210A	37,8W	48lm/W

Power FC
0,8

ISO DIAGRAMS

ISO CANDELA DIAGRAM



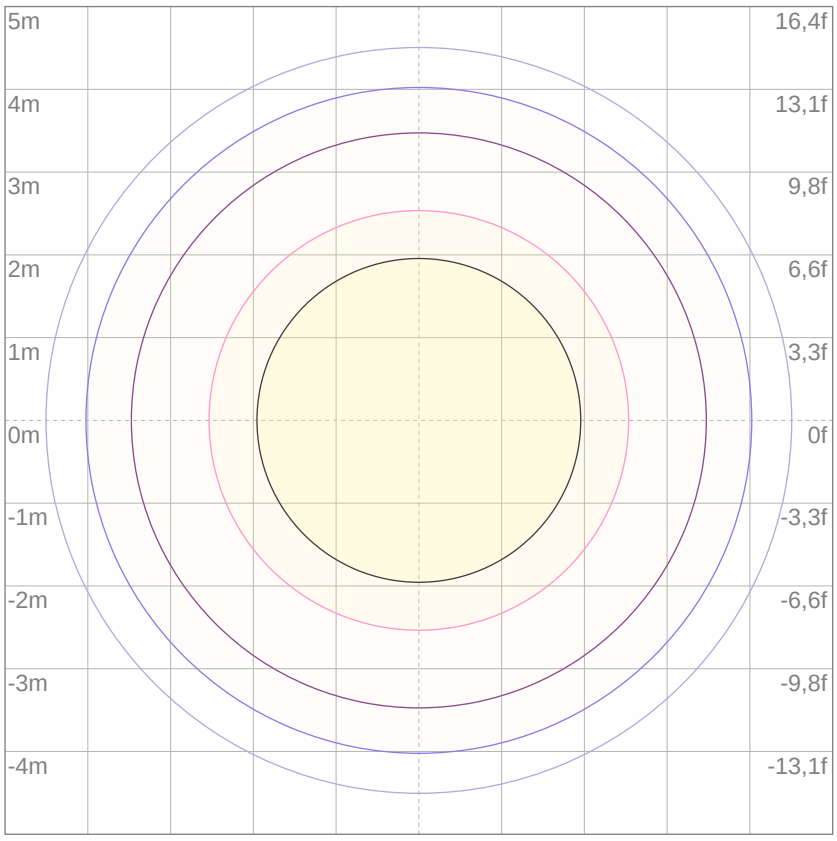
10%	1051 cd
20%	2101 cd
30%	3152 cd
40%	4202 cd
50%	5253 cd
60%	6303 cd
70%	7354 cd
80%	8404 cd

Conditions:

Number of c-planes: 2

Candela at center: 10506 cd

ISO LUX DIAGRAM



3%	3,15 lx
5%	5,25 lx
10%	10,5 lx
30%	31,5 lx
50%	52,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 105 lx

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

Total lumen output:

1783 lm

Peak candela output:

2785 cd

PRODUCT NAME:

ARCPAR18 FC

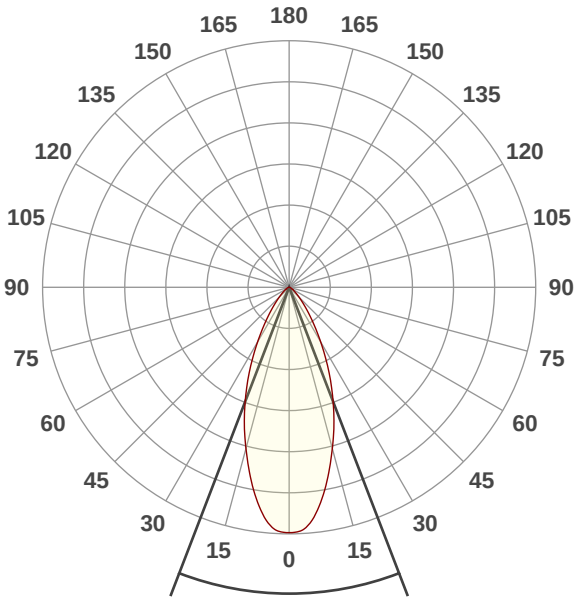
MEASURAMENT CONDITIONS:

Beam angle:
45°

Target:
Green

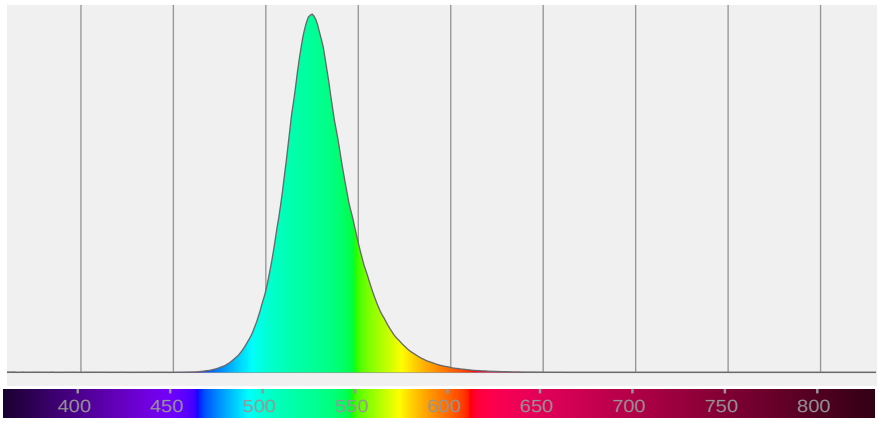
Operator:
Paolo Carvone

Date and time:
04/09/2020 15:55:30



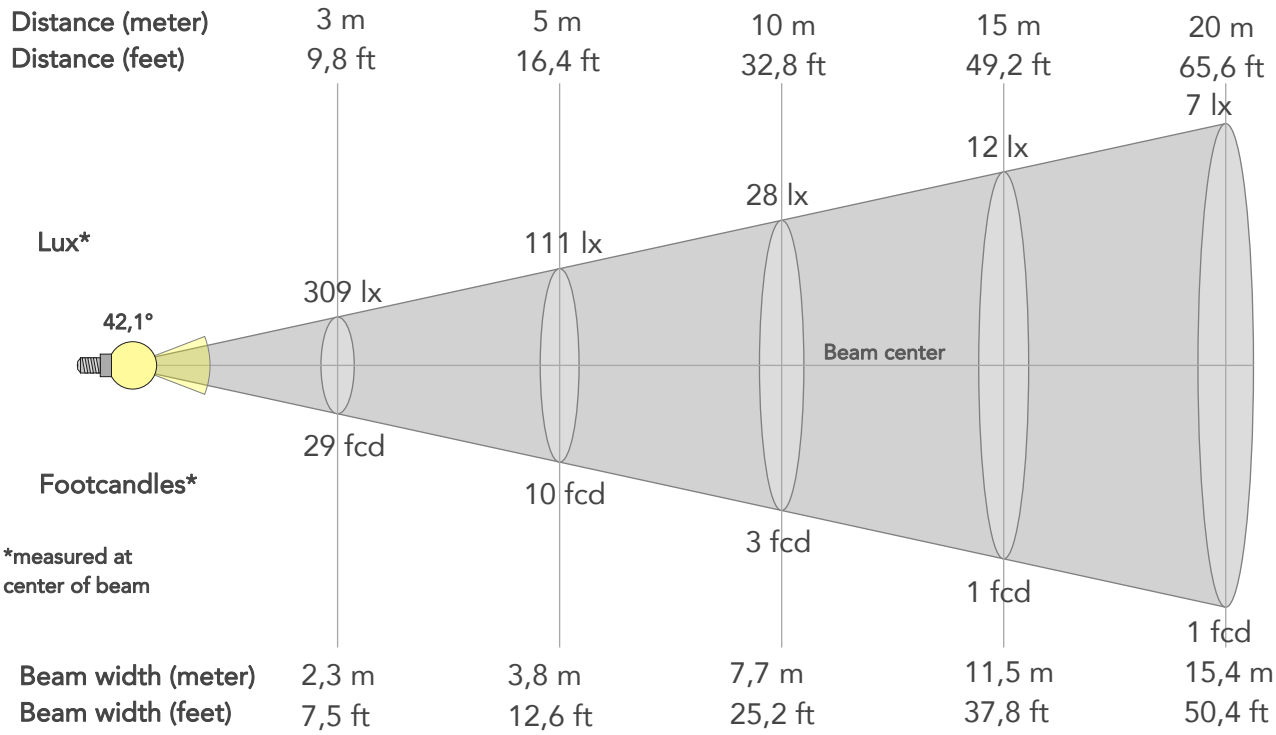
Beam angle 50%: 42,1°
Field angle 10%: 79,4°
Cut off angle 2.5%: 107,9°

Spectra



BEAM DETAILS

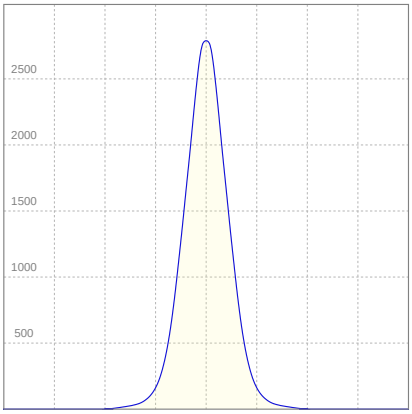
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,1°	79,4°	107,9°	97,2%	91,0%



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	2785lx	696lx	309lx	174lx	111lx	50lx	28lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	259fcd	65fcd	29fcd	16fcd	10fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3,1m	3,8m	5,8m	7,7m	11,5m	15,4m	19,2m	23,1m	30,8m	38,4m
Beam wid.	2,5ft	5,1ft	7,5ft	10,1ft	12,6ft	18,9ft	25,2ft	37,8ft	50,4ft	63ft	75,6ft	100,9ft	126,1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,210A	37,8W	47lm/W

Power FC
0,8

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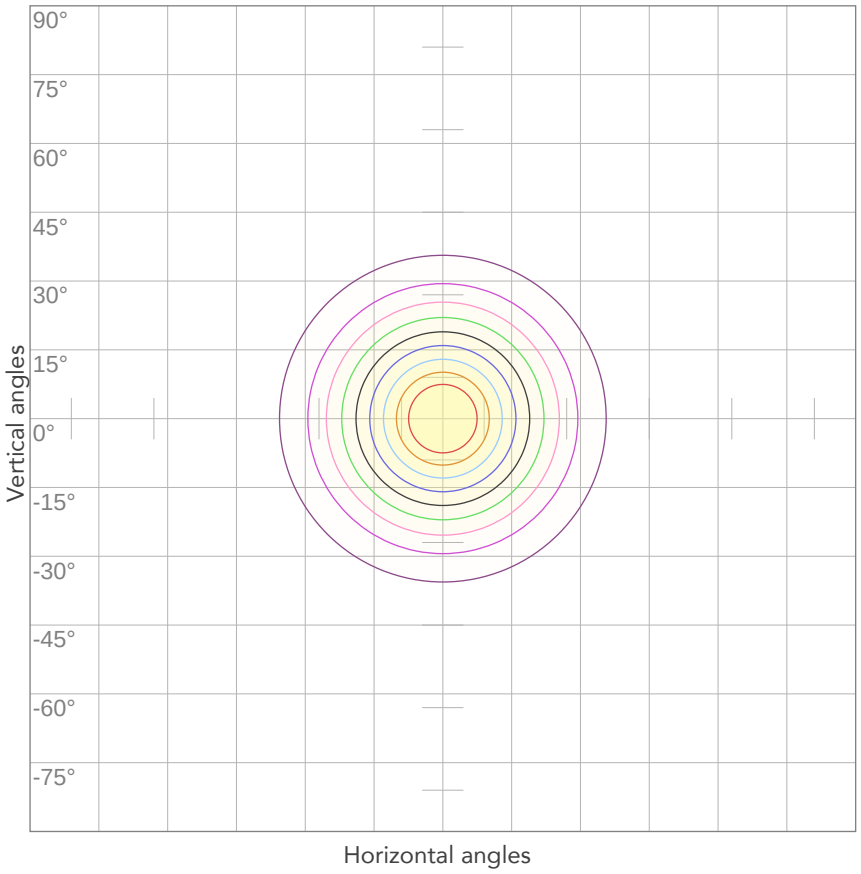
ISO DIAGRAMS

ISO CANDELA DIAGRAM



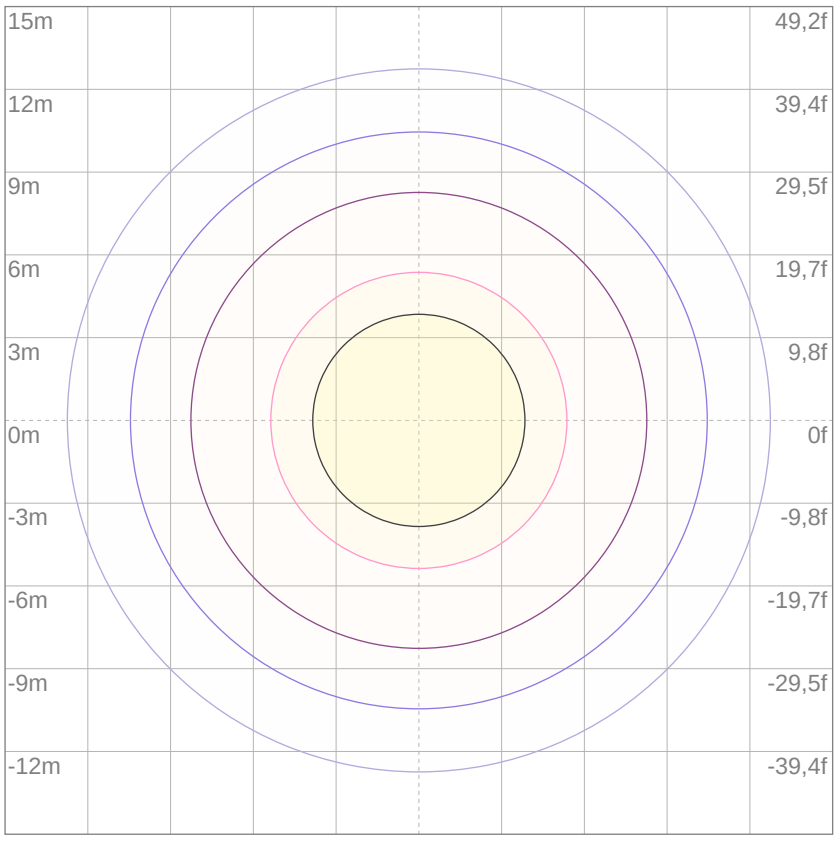
10%	279 cd
20%	557 cd
30%	836 cd
40%	1114 cd
50%	1393 cd
60%	1671 cd
70%	1950 cd
80%	2228 cd

Conditions:

Number of c-planes: 2

Candela at center: 2785 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,836 lx
5%	1,39 lx
10%	2,79 lx
30%	8,36 lx
50%	13,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 27,9 lx

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

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Total lumen output:

340 lm

Peak candela output:

4078 cd

PRODUCT NAME:

ARCPAR18 FC

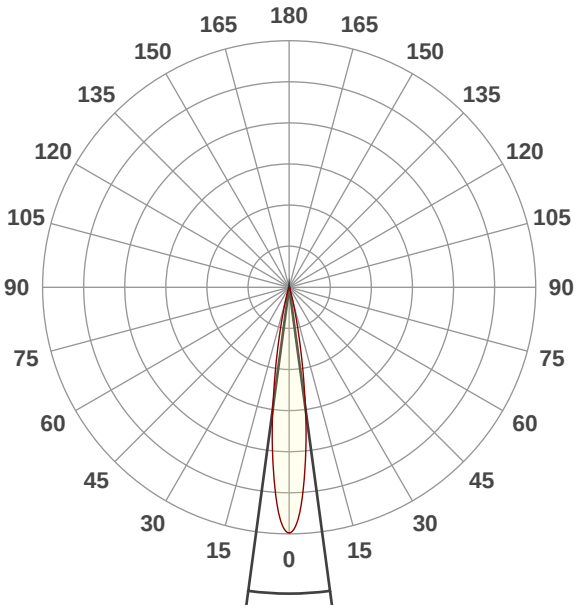
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
Green

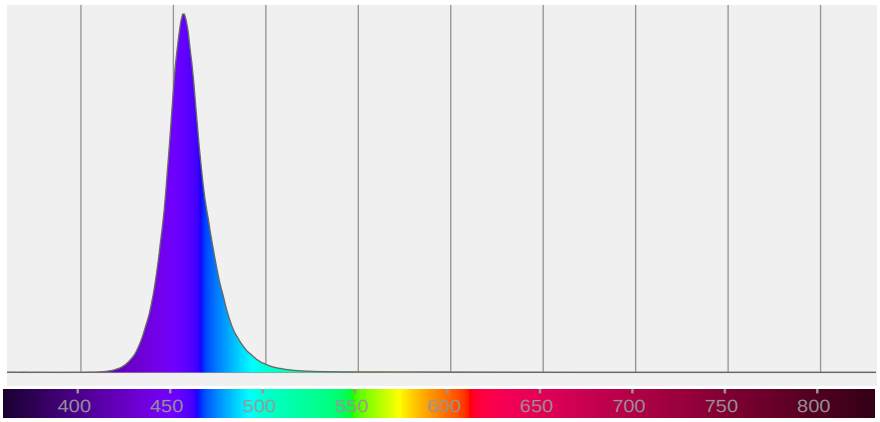
Operator:
Paolo Carvone

Date and time:
04/09/2020 15:20:53



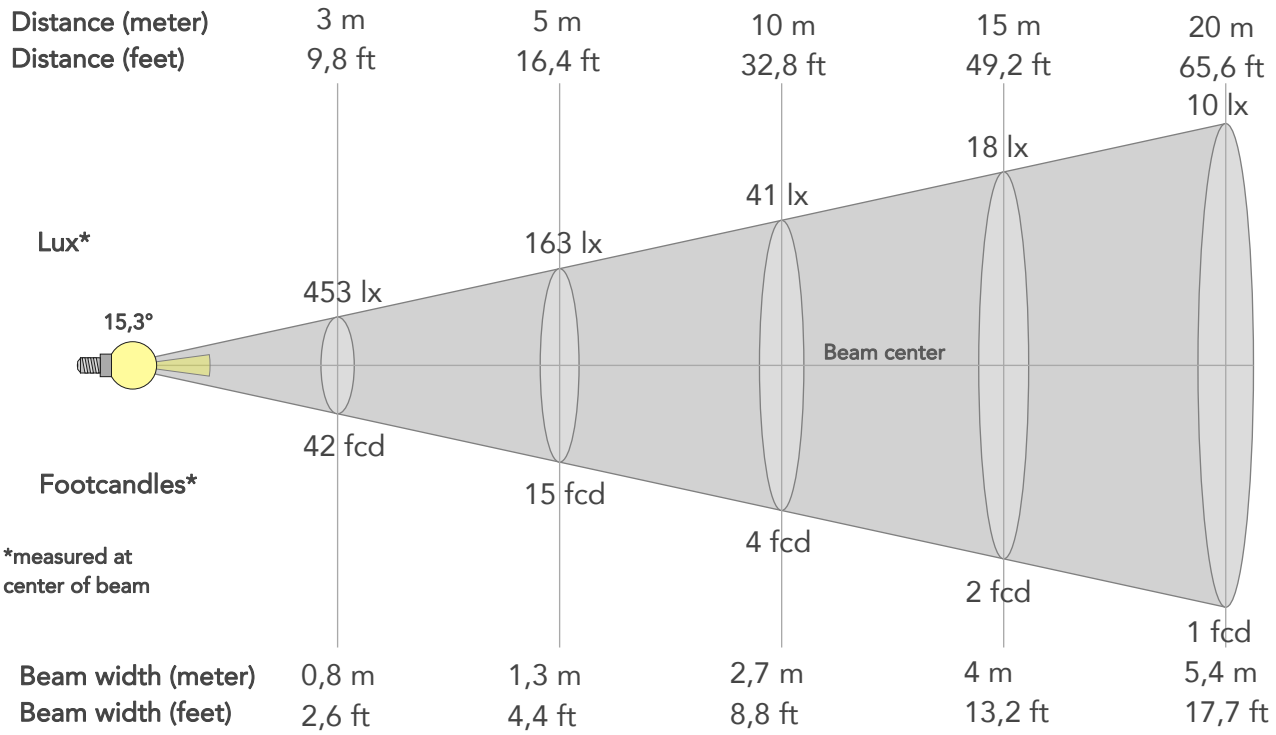
Beam angle 50%: 15,3°
Field angle 10%: 27,1°
Cut off angle 2.5%: 35,7°

Spectra



BEAM DETAILS

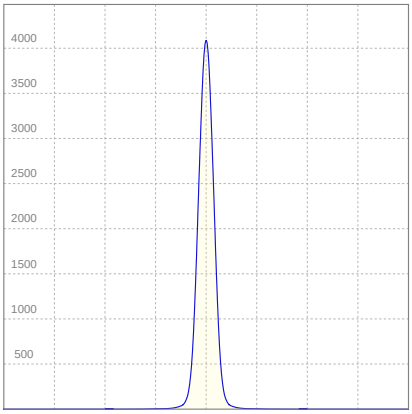
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,3°	27,1°	35,7°	99,8%	99,0%



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	4078lx	1019lx	453lx	255lx	163lx	72lx	41lx	18lx	10lx	7lx	5lx	3lx	2lx
Footcand.	379fcd	95fcd	42fcd	24fcd	15fcd	7fcd	4fcd	2fcd	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	8,1m	10,8m	13,5m
Beam wid.	0,9ft	1,8ft	2,6ft	3,5ft	4,4ft	6,6ft	8,8ft	13,2ft	17,7ft	22,1ft	26,5ft	35,3ft	44,2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,206A	37,0W	9lm/W

Power FC
0,8

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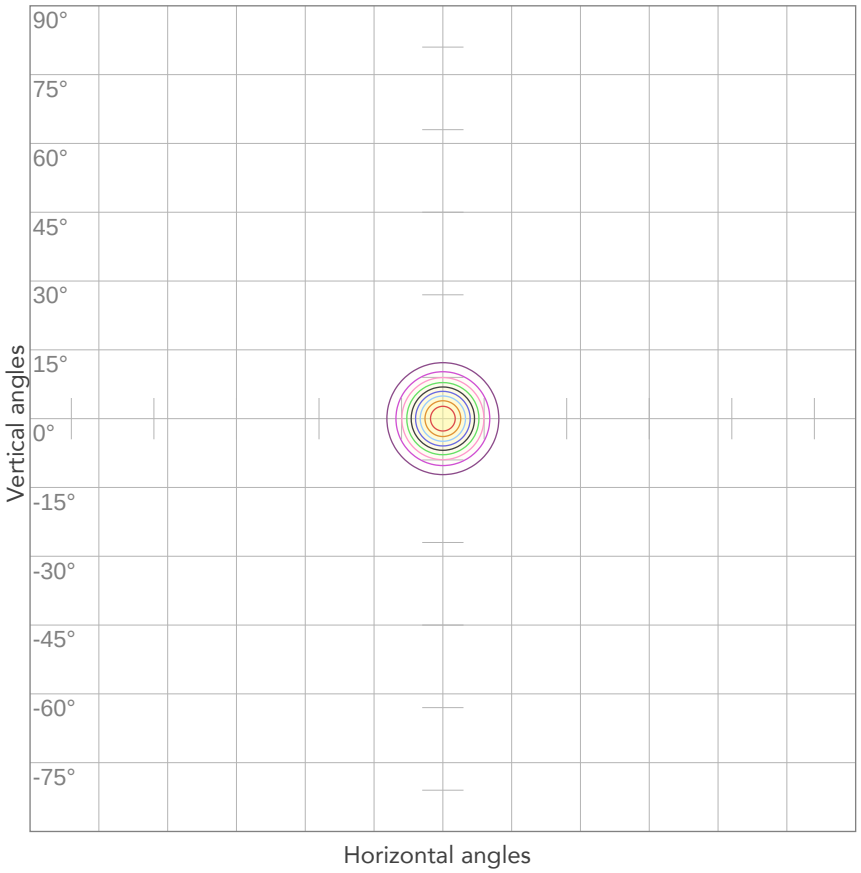
info@prolights.it

ISO DIAGRAMS

ISO CANDELA DIAGRAM



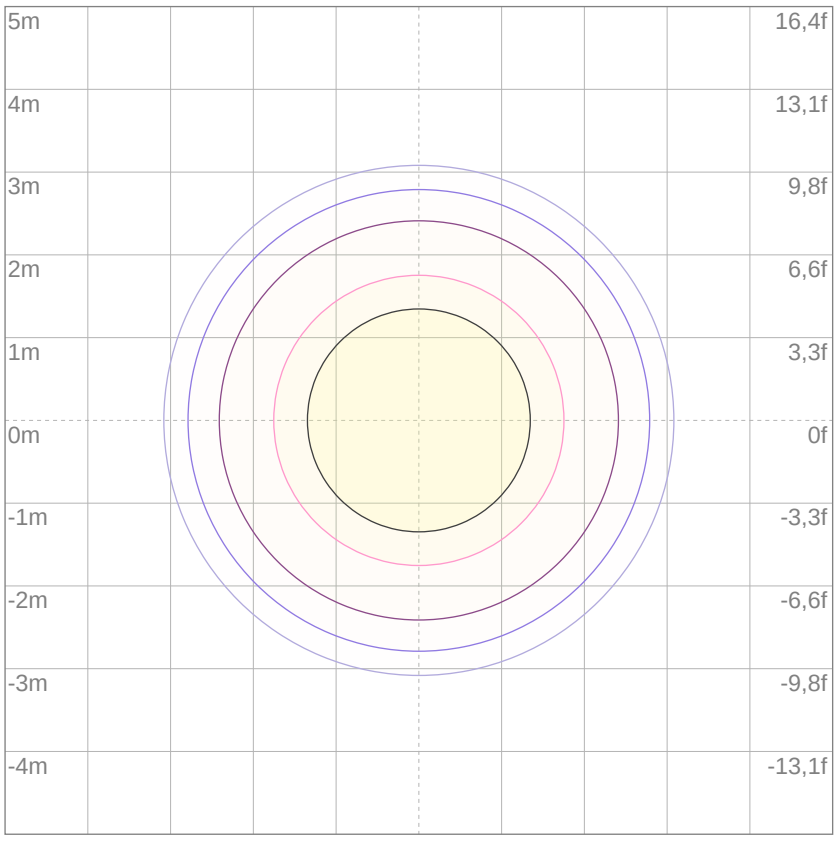
10%	408 cd
20%	816 cd
30%	1223 cd
40%	1631 cd
50%	2039 cd
60%	2447 cd
70%	2854 cd
80%	3262 cd

Conditions:

Number of c-planes: 2

Candela at center: 4078 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,22 lx
5%	2,04 lx
10%	4,08 lx
30%	12,2 lx
50%	20,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 40,8 lx

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

Total lumen output:

374 lm

Peak candela output:

2212 cd

PRODUCT NAME:

ARCPAR18 FC

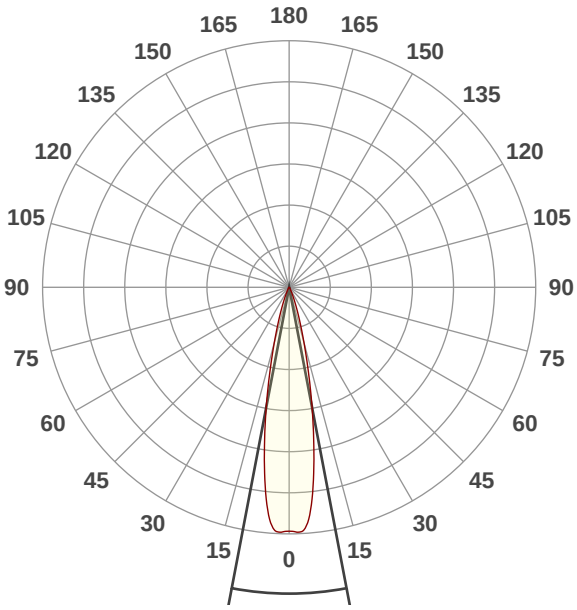
MEASURAMENT CONDITIONS:

Beam angle:
25°

Target:
Blue

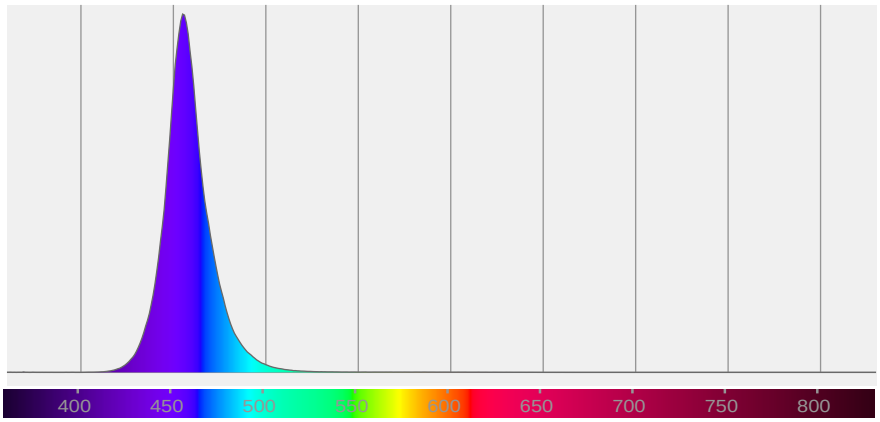
Operator:
Paolo Carvone

Date and time:
04/09/2020 16:18:07



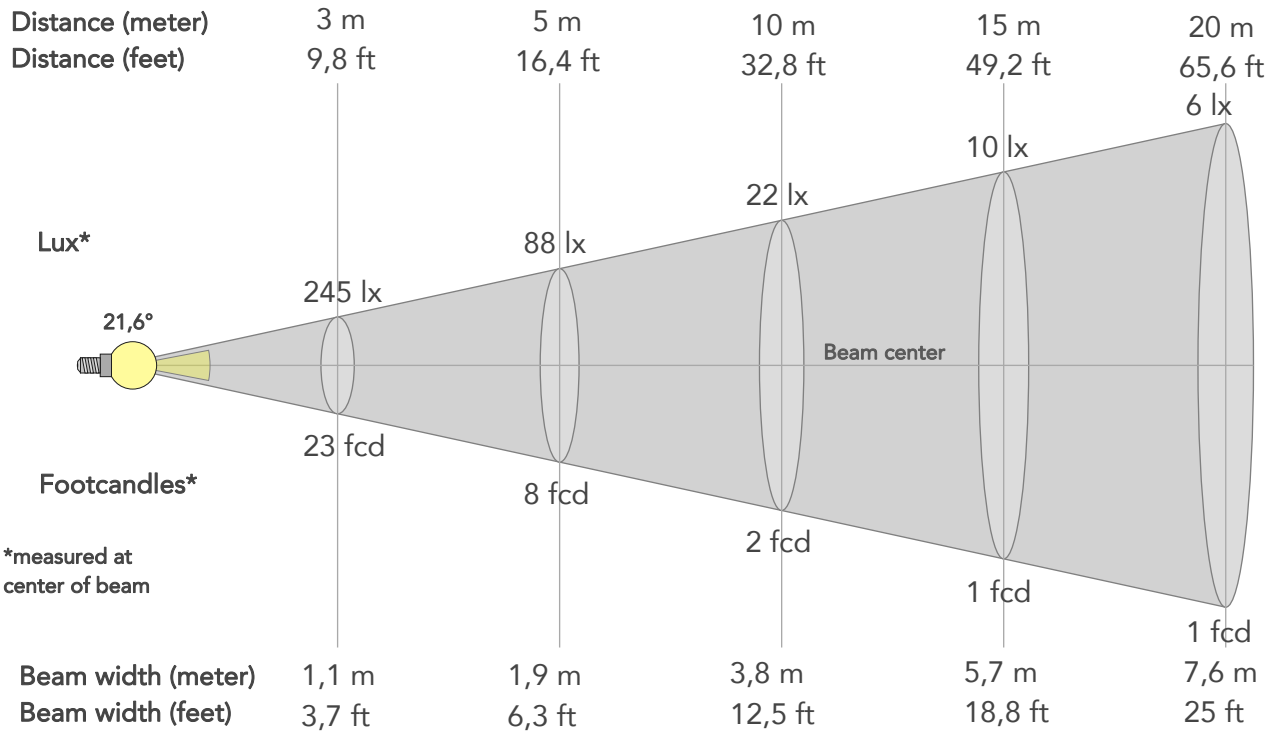
Beam angle 50%: 21,6°
Field angle 10%: 38,4°
Cut off angle 2.5%: 50,8°

Spectra



BEAM DETAILS

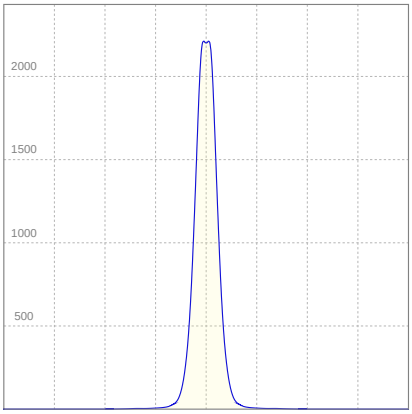
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,6°	38,4°	50,8°	98,8%	97,2%



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	2203lx	551lx	245lx	138lx	88lx	39lx	22lx	10lx	6lx	4lx	2lx	1lx	1lx
Footcand.	205fcd	51fcd	23fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	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	15,3m	19,1m
Beam wid.	1,3ft	2,5ft	3,7ft	5ft	6,3ft	9,4ft	12,5ft	18,8ft	25ft	31,3ft	37,5ft	50,1ft	62,6ft

LINEAR DISTRIBUTION DIAGRAM



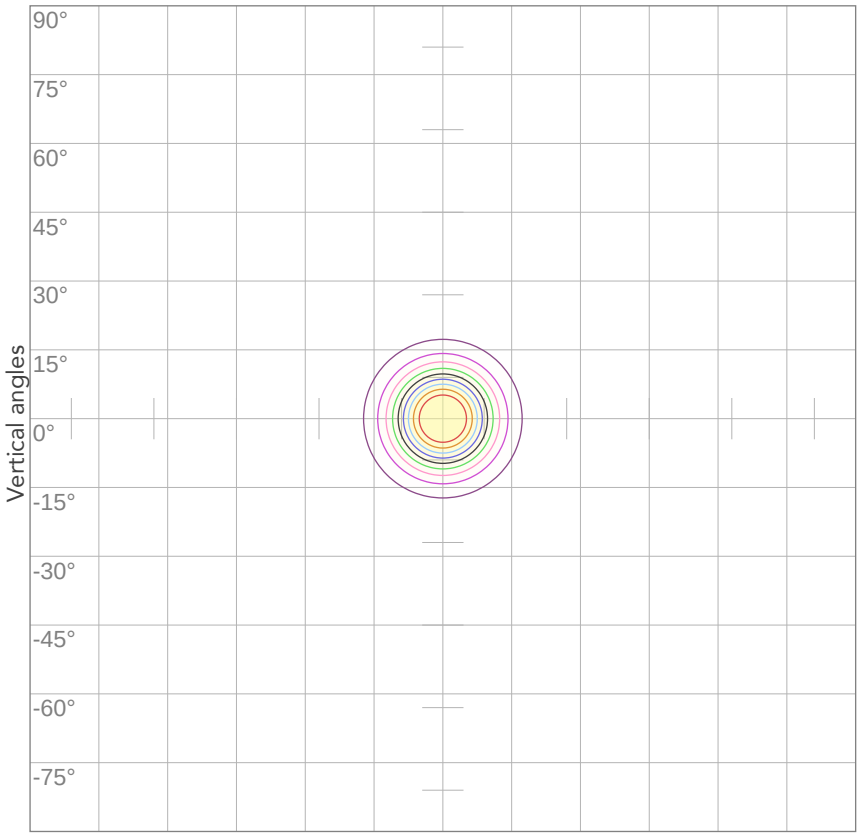
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,208A	37,2W	10lm/W

Power FC
0,8

ISO DIAGRAMS

ISO CANDELA DIAGRAM



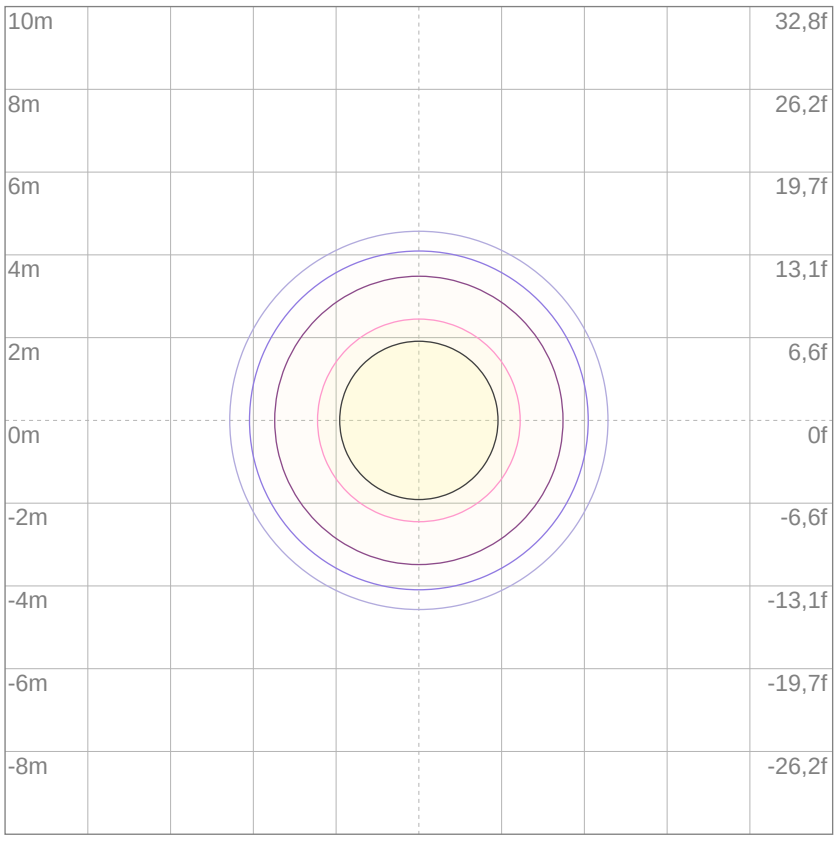
10%	220 cd
20%	441 cd
30%	661 cd
40%	881 cd
50%	1101 cd
60%	1322 cd
70%	1542 cd
80%	1762 cd

Conditions:

Number of c-planes: 2

Candela at center: 2203 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,661 lx
5%	1,10 lx
10%	2,20 lx
30%	6,61 lx
50%	11,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 22,0 lx

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

Total lumen output:

365 lm

Peak candela output:

578 cd

PRODUCT NAME:

ARCPAR18 FC

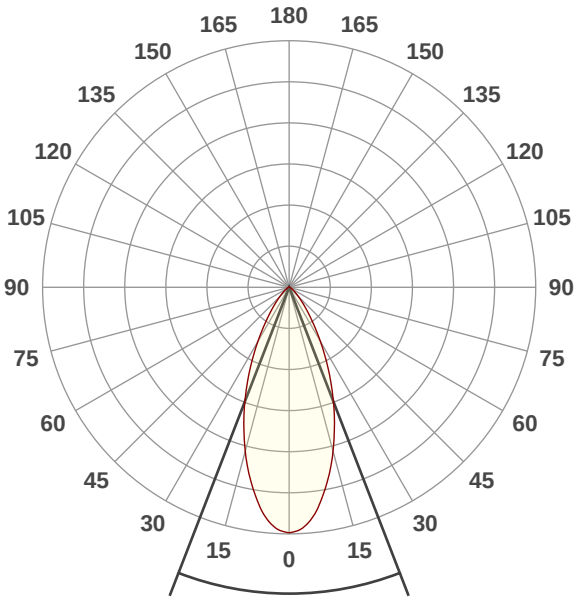
MEASURAMENT CONDITIONS:

Beam angle:
45°

Target:
Blue

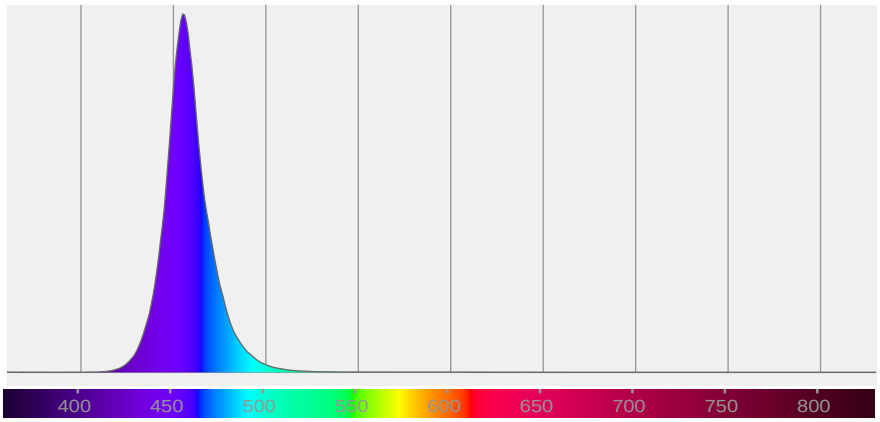
Operator:
Paolo Carvone

Date and time:
04/09/2020 15:57:01



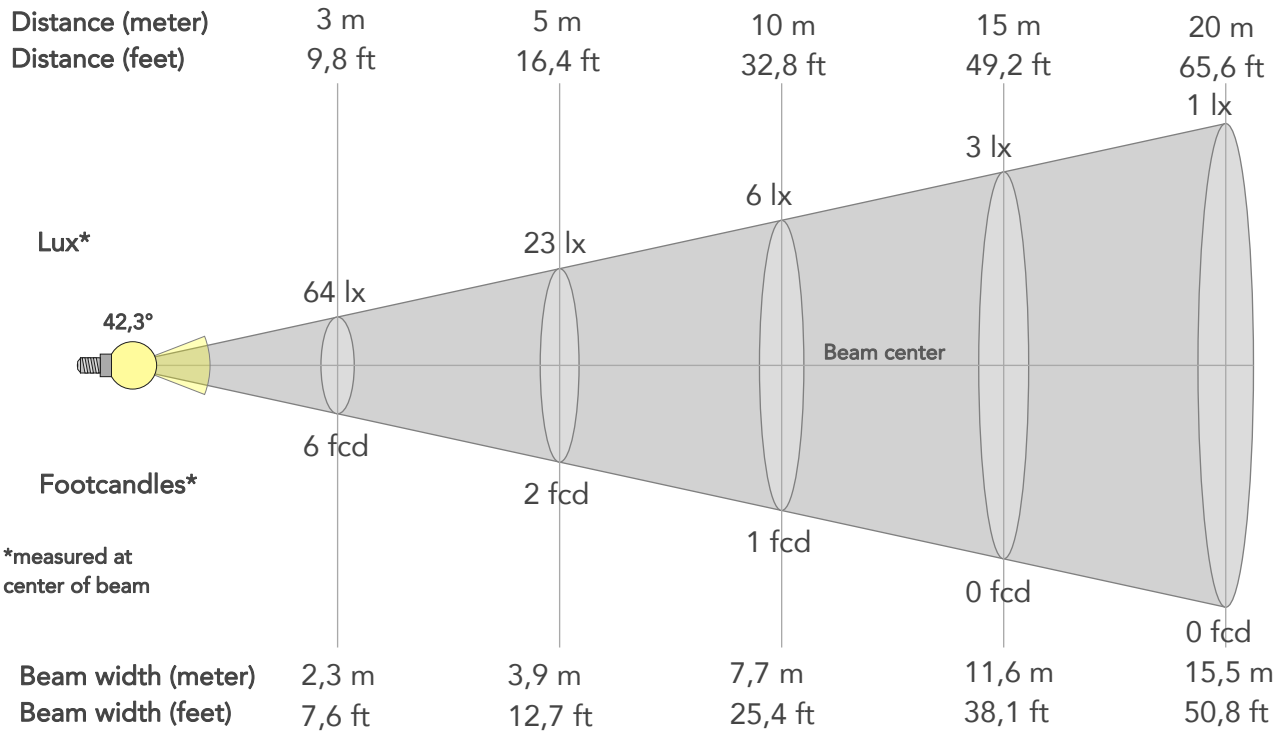
Beam angle 50%: 42,3°
Field angle 10%: 78,6°
Cut off angle 2.5%: 105,7°

Spectra



BEAM DETAILS

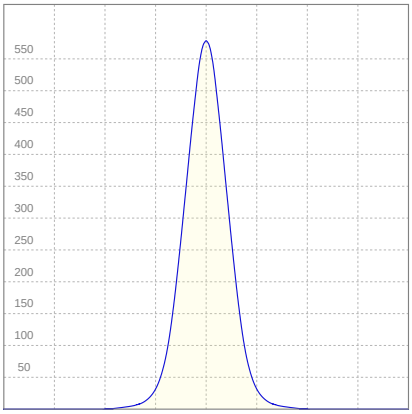
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,3°	78,6°	105,7°	97,6%	91,9%



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	578lx	144lx	64lx	36lx	23lx	10lx	6lx	3lx	1lx	1lx	1lx	0lx	0lx
Footcand.	54fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3,1m	3,9m	5,8m	7,7m	11,6m	15,5m	19,4m	23,2m	31m	38,7m
Beam wid.	2,6ft	5,1ft	7,6ft	10,1ft	12,7ft	19,1ft	25,4ft	38,1ft	50,8ft	63,5ft	76,2ft	101,6ft	127ft

LINEAR DISTRIBUTION DIAGRAM



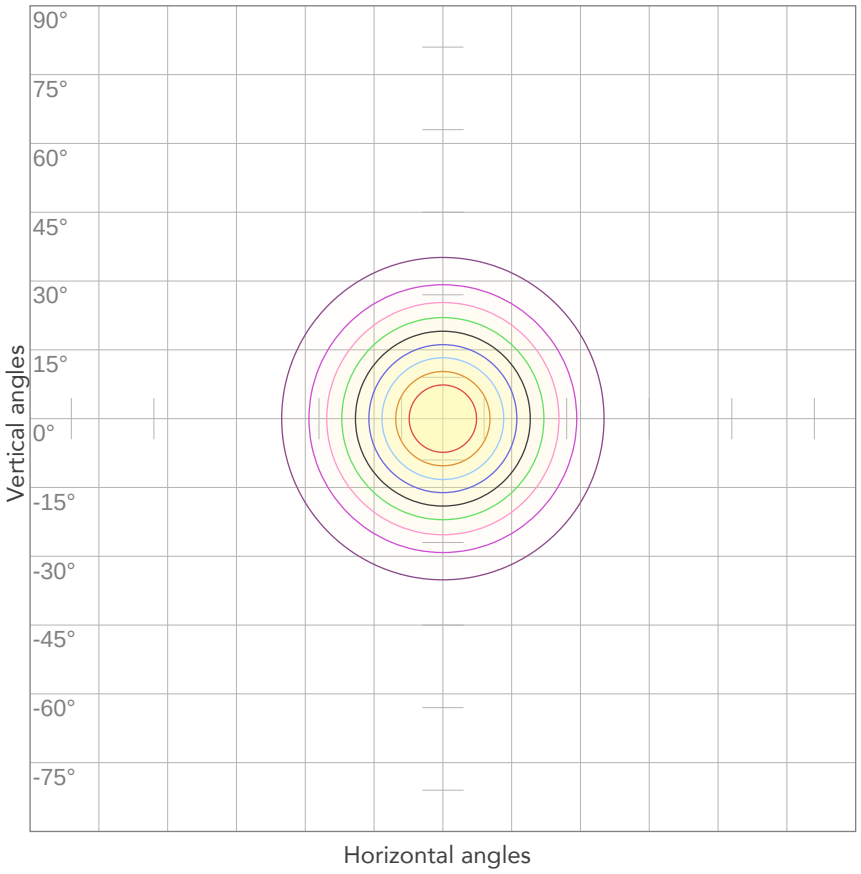
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,208A	37,2W	10lm/W

Power FC
0,8

ISO DIAGRAMS

ISO CANDELA DIAGRAM



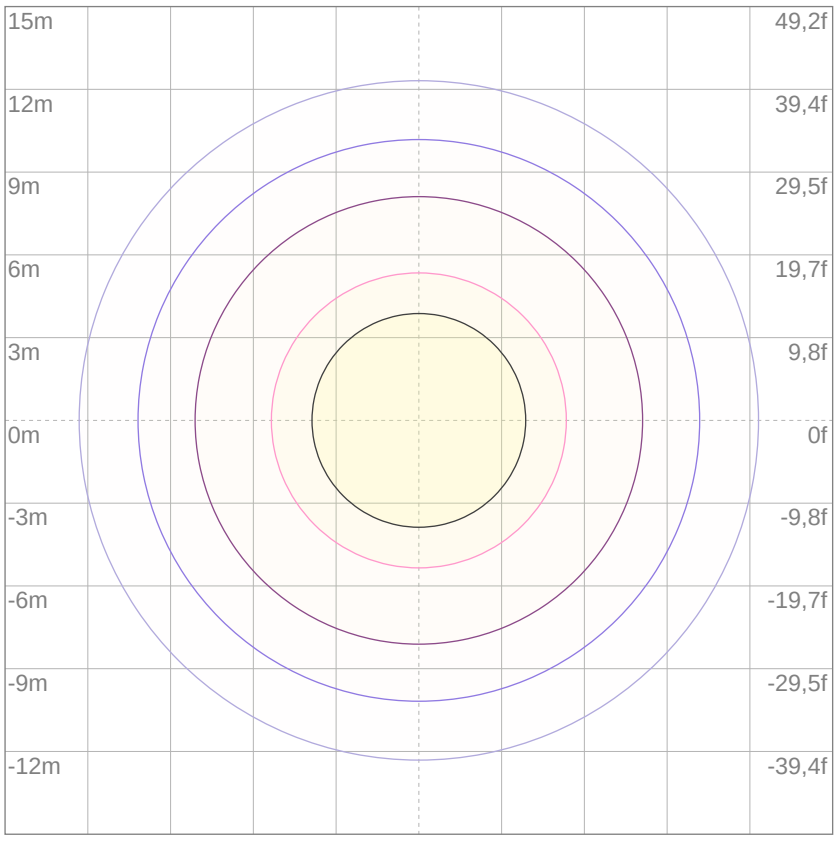
10%	58 cd
20%	116 cd
30%	173 cd
40%	231 cd
50%	289 cd
60%	347 cd
70%	404 cd
80%	462 cd

Conditions:

Number of c-planes: 2

Candela at center: 578 cd

ISO LUX DIAGRAM



3%	0,173 lx
5%	0,289 lx
10%	0,578 lx
30%	1,73 lx
50%	2,89 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,78 lx

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

Total lumen output:

1887 lm

Peak candela output:

20310 cd

PRODUCT NAME:

ARCPAR18 FC

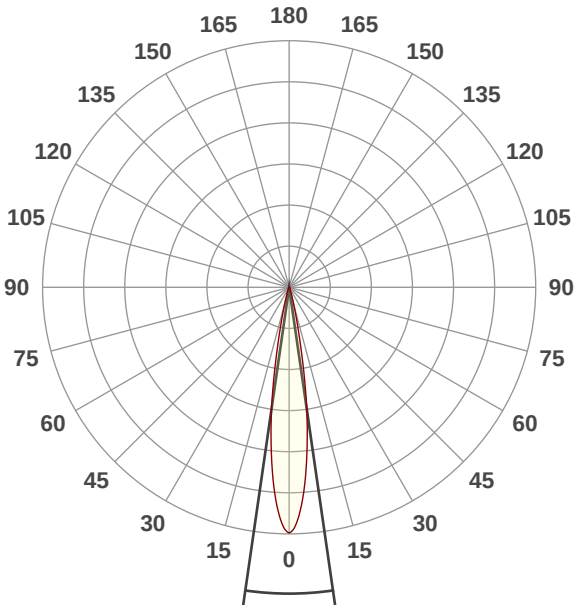
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
White

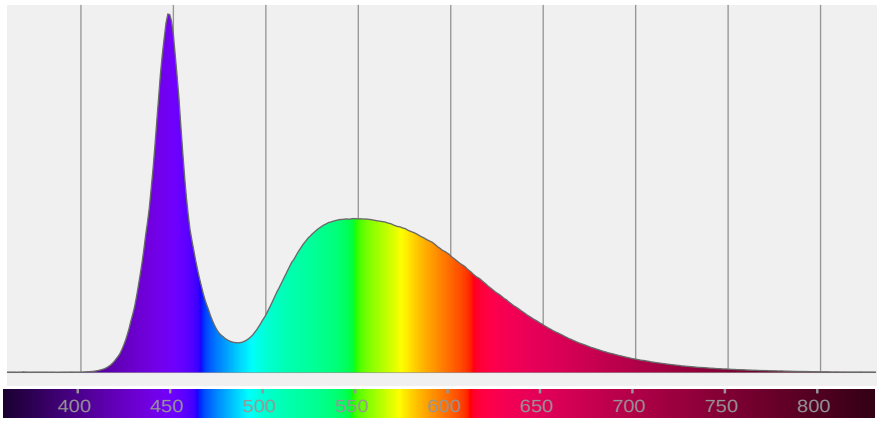
Operator:
Paolo Carvone

Date and time:
04/09/2020 15:26:37



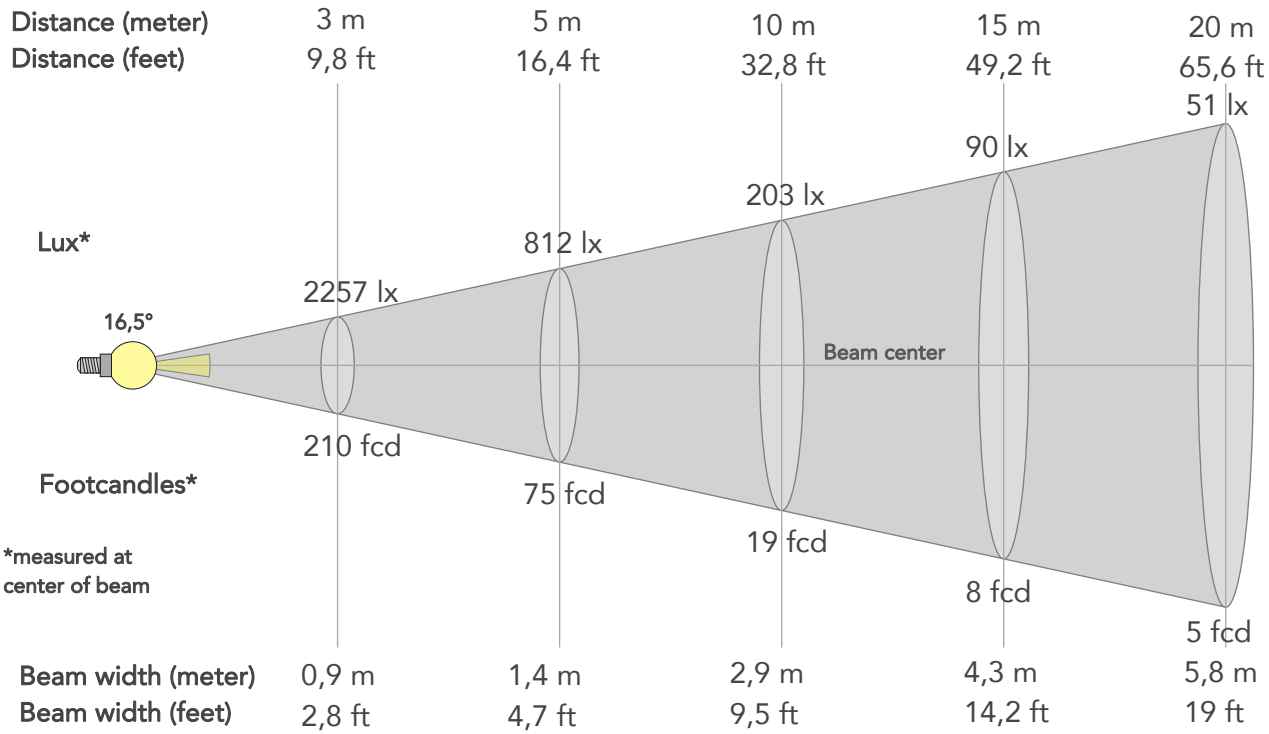
Beam angle 50%: 16,5°
Field angle 10%: 28°
Cut off angle 2.5%: 37,6°

Spectra



BEAM DETAILS

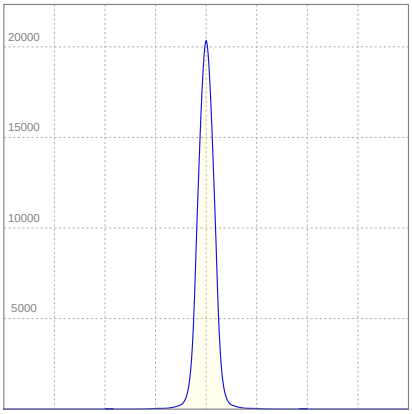
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,5°	28°	37,6°	99,9%	98,8%



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	20310lx	5077lx	2257lx	1269lx	812lx	361lx	203lx	90lx	51lx	32lx	23lx	13lx	8lx
Footcand.	1887fcd	472fcd	210fcd	118fcd	75fcd	34fcd	19fcd	8fcd	5fcd	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	8,7m	11,6m	14,5m
Beam wid.	1ft	1,9ft	2,8ft	3,8ft	4,7ft	7,1ft	9,5ft	14,2ft	19ft	23,7ft	28,5ft	37,9ft	47,4ft

LINEAR DISTRIBUTION DIAGRAM



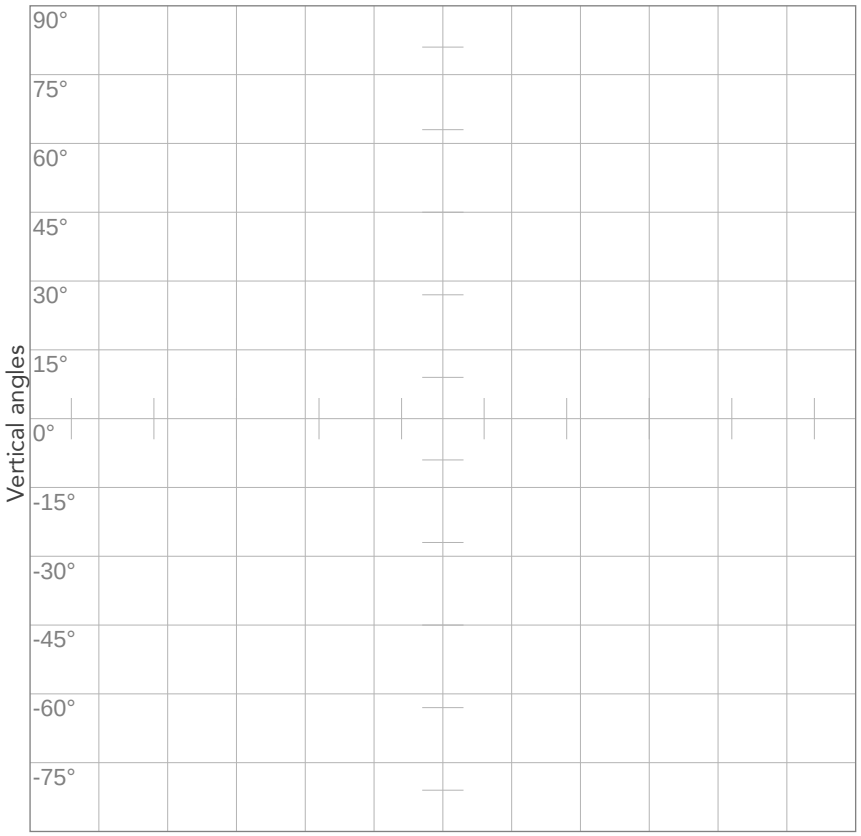
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,201A	35,5W	53lm/W

Power FC
0,79

ISO DIAGRAMS

ISO CANDELA DIAGRAM



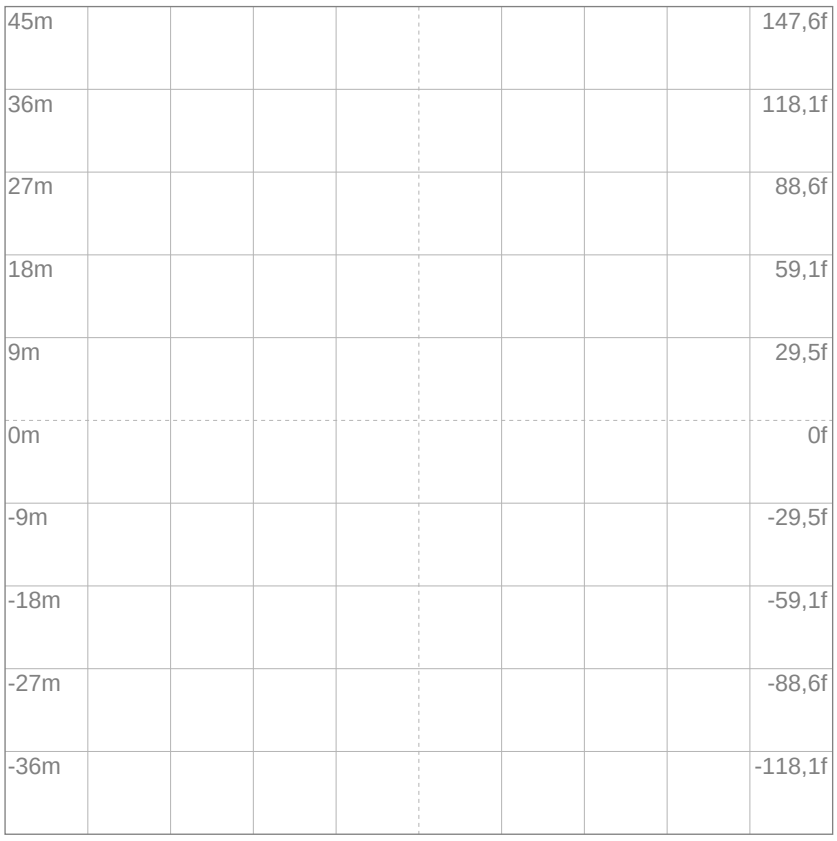
10%	2031 cd
20%	4062 cd
30%	6093 cd
40%	8124 cd
50%	10155 cd
60%	12186 cd
70%	14217 cd
80%	16248 cd

Conditions:

Number of c-planes: 2

Candela at center: 20310 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	6,09 lx
5%	10,2 lx
10%	20,3 lx
30%	60,9 lx
50%	102 lx

Conditions:

Number of c-planes: 2

Lux at center: 203 lx

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

Total lumen output:

2099 lm

Peak candela output:

11191 cd

PRODUCT NAME:

ARCPAR18 FC

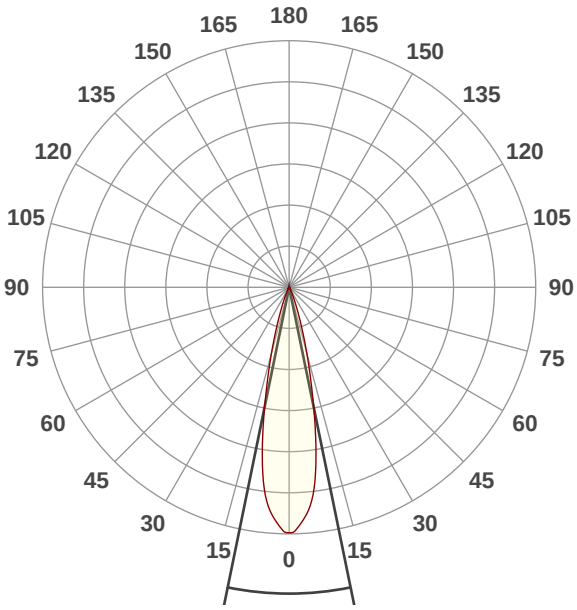
MEASURAMENT CONDITIONS:

Beam angle:
25°

Target:
White

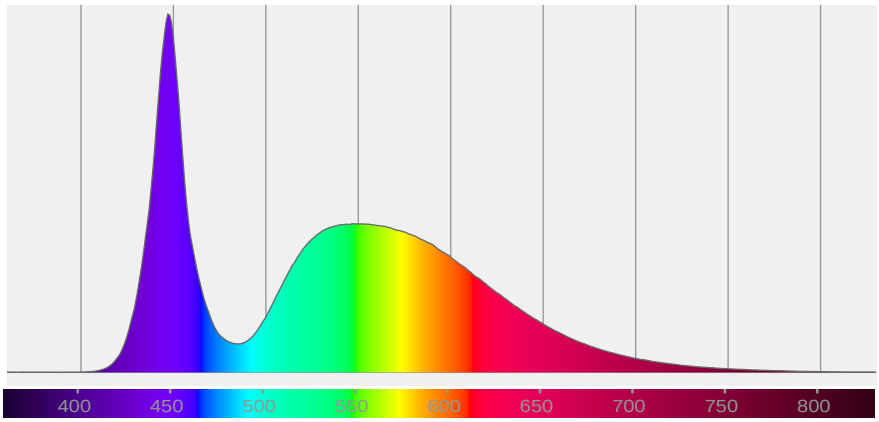
Operator:
Paolo Carvone

Date and time:
04/09/2020 16:19:30



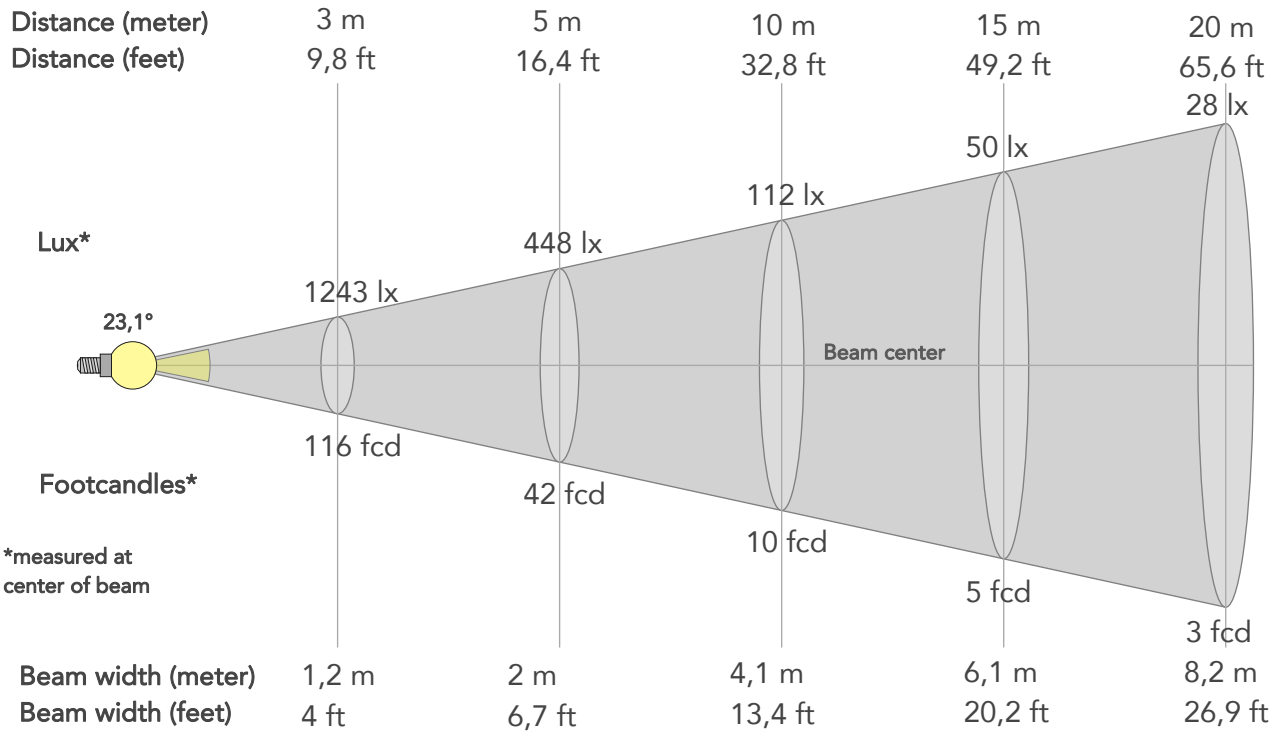
Beam angle 50%: 23,1°
Field angle 10%: 39,5°
Cut off angle 2.5%: 52,3°

Spectra



BEAM DETAILS

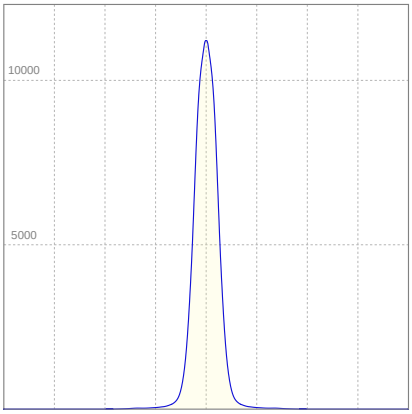
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	39,5°	52,3°	98,4%	96,3%



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	11191lx	2798lx	1243lx	699lx	448lx	199lx	112lx	50lx	28lx	18lx	12lx	7lx	4lx
Footcand.	1040fcd	260fcd	116fcd	65fcd	42fcd	18fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,2ft	26,9ft	33,6ft	40,3ft	53,7ft	67,2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,202A	35,7W	59lm/W

Power FC
0,79

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Tel: +39 0771 72190

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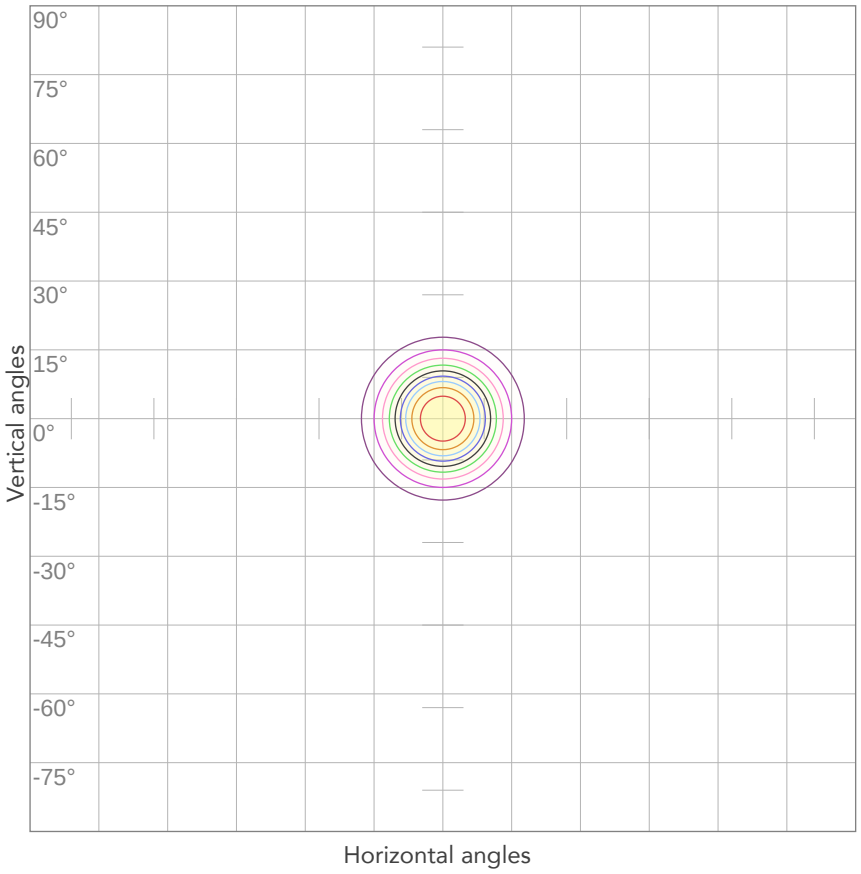
info@prolights.it

ISO DIAGRAMS

ISO CANDELA DIAGRAM



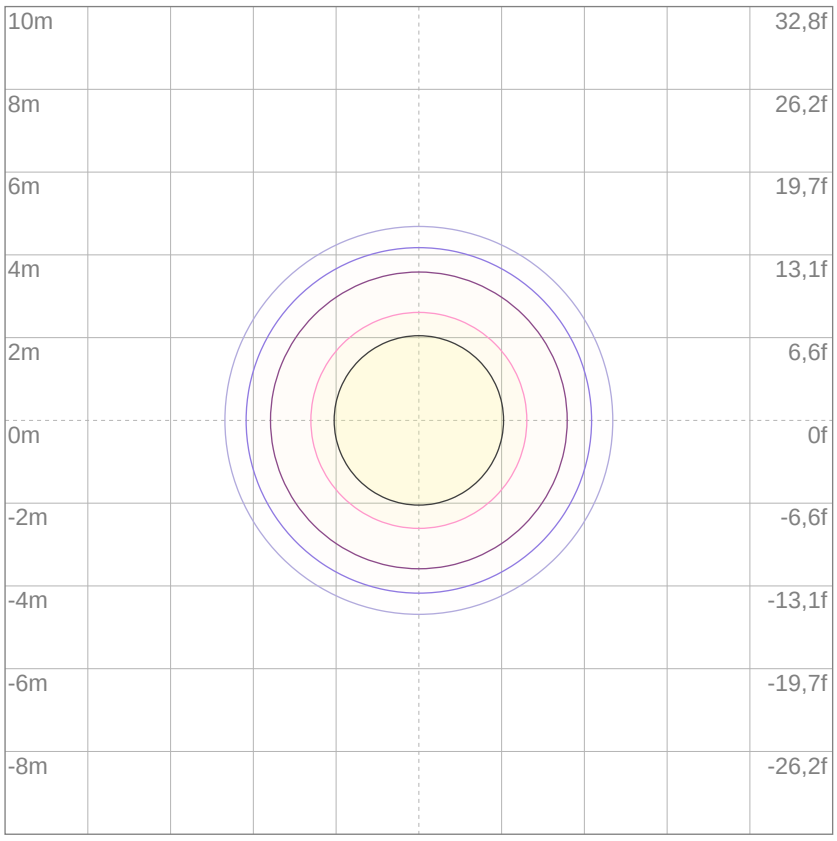
10%	1119 cd
20%	2238 cd
30%	3357 cd
40%	4476 cd
50%	5595 cd
60%	6714 cd
70%	7833 cd
80%	8952 cd

Conditions:

Number of c-planes: 2

Candela at center: 11191 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,36 lx
5%	5,60 lx
10%	11,2 lx
30%	33,6 lx
50%	56,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 112 lx

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

Total lumen output:

2057 lm

Peak candela output:

3266 cd

PRODUCT NAME:

ARCPAR18 FC

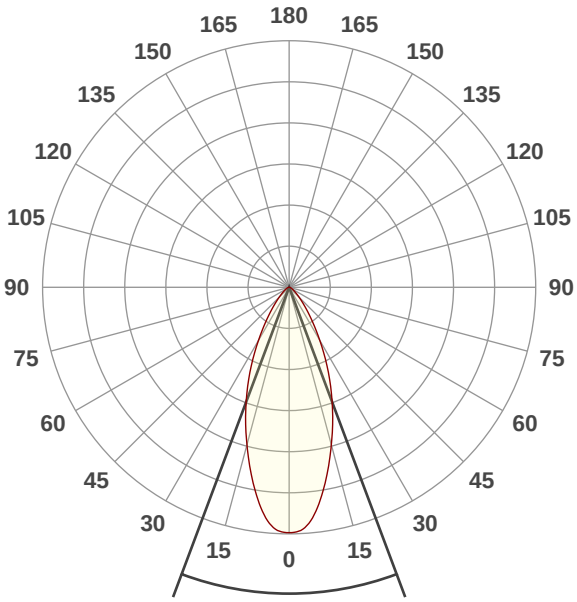
MEASURAMENT CONDITIONS:

Beam angle:
45°

Target:
White

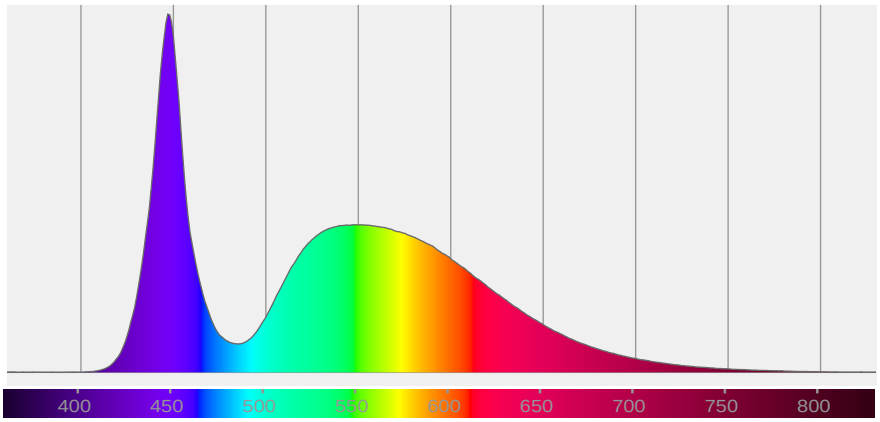
Operator:
Paolo Carvone

Date and time:
04/09/2020 15:58:45



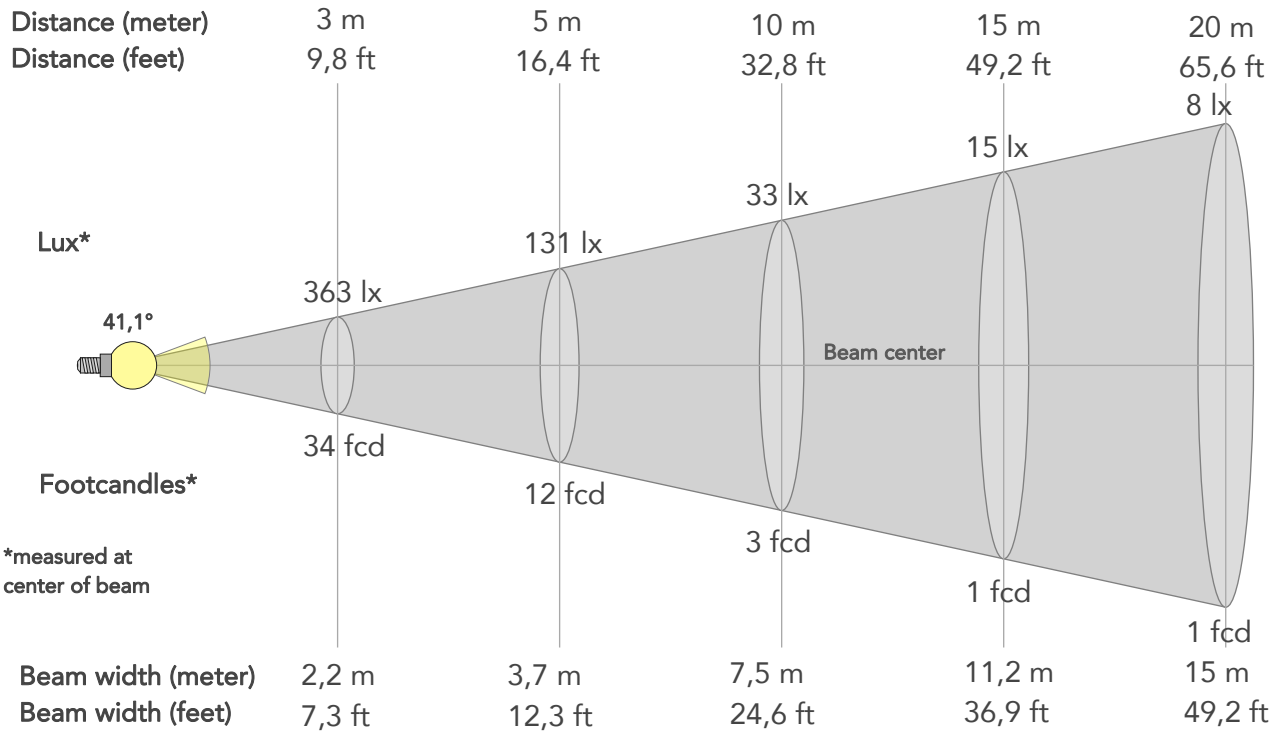
Beam angle 50%: 41,1°
Field angle 10%: 79,1°
Cut off angle 2.5%: 108,5°

Spectra



BEAM DETAILS

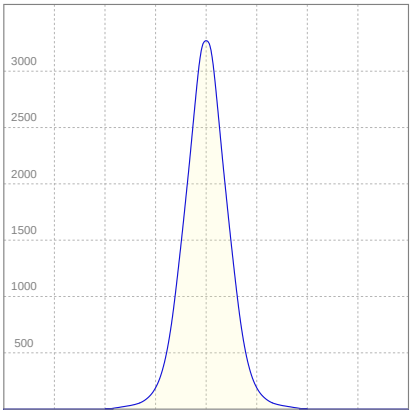
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,1°	79,1°	108,5°	96,9%	90,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3266lx	816lx	363lx	204lx	131lx	58lx	33lx	15lx	8lx	5lx	4lx	2lx	1lx
Footcand.	303fcd	76fcd	34fcd	19fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	3m	3,7m	5,6m	7,5m	11,2m	15m	18,7m	22,5m	30m	37,5m
Beam wid.	2,5ft	4,9ft	7,3ft	9,8ft	12,3ft	18,4ft	24,6ft	36,9ft	49,2ft	61,5ft	73,8ft	98,3ft	122,9ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,202A	35,7W	58lm/W

Power FC
0,79

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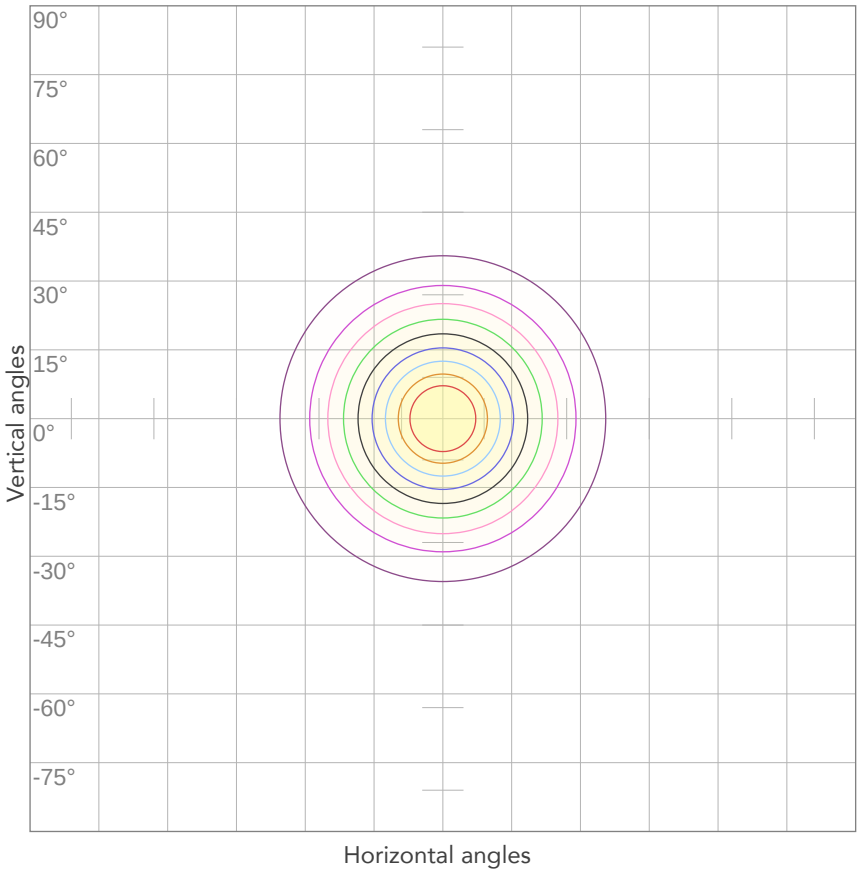
ISO DIAGRAMS

ISO CANDELA DIAGRAM



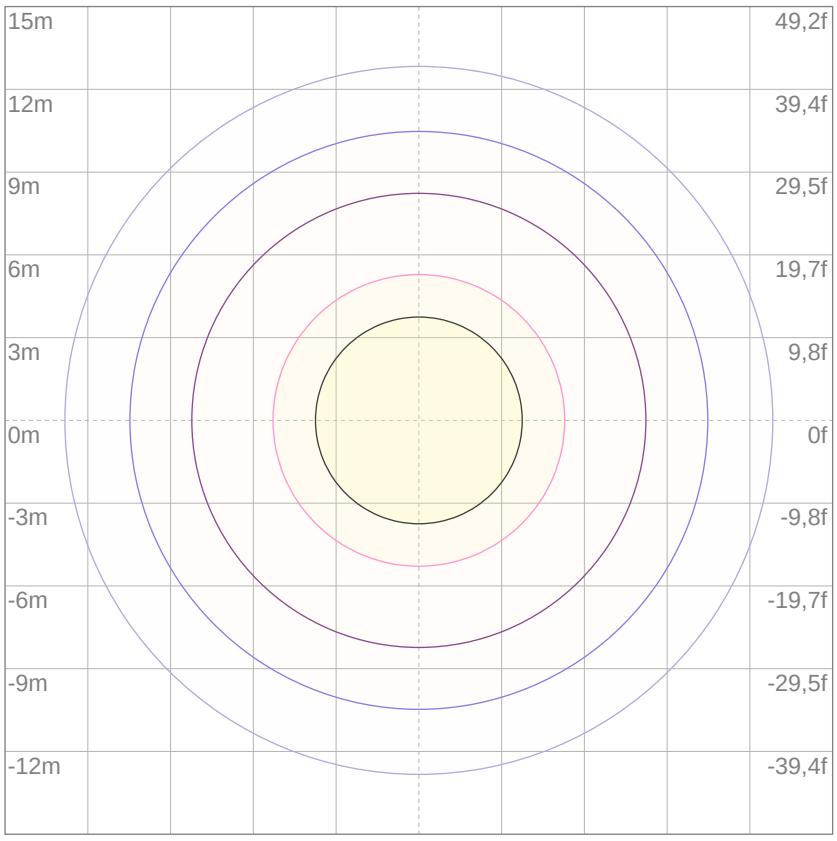
10%	327 cd
20%	653 cd
30%	980 cd
40%	1306 cd
50%	1633 cd
60%	1960 cd
70%	2286 cd
80%	2613 cd

Conditions:

Number of c-planes: 2

Candela at center: 3266 cd

ISO LUX DIAGRAM



3%	0,980 lx
5%	1,63 lx
10%	3,27 lx
30%	9,80 lx
50%	16,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 32,7 lx

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