



Photometric Test Report



ARCSPOTSFC

IP66 Spot featuring 1300 lumen
with 7 x 4W RGB+WarmWhite source,
10° native

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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:

1304 lm

Peak candela output:

24228 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

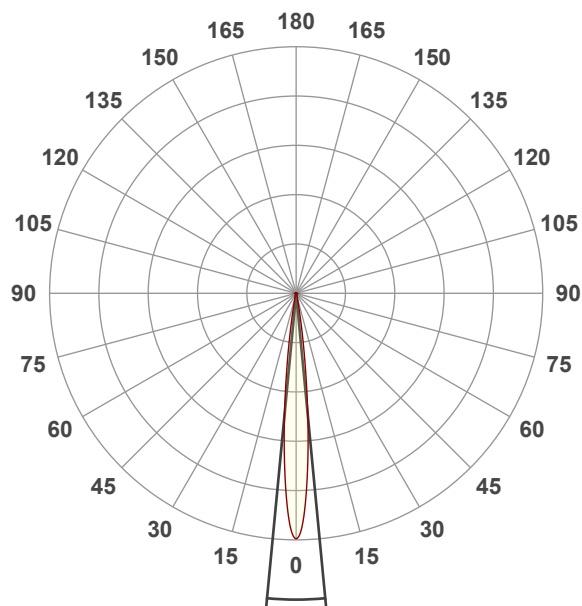
Full On

Operator:

Giacomo Matteo

Date and time:

09/02/2024 13:05:04

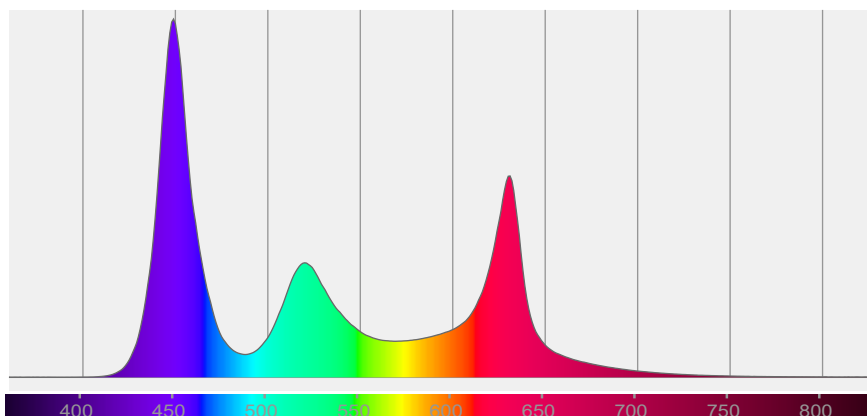


Beam angle 50%: 10,9°

Field angle 10%: 19,5°

Cut off angle 2.5%: 27,2°

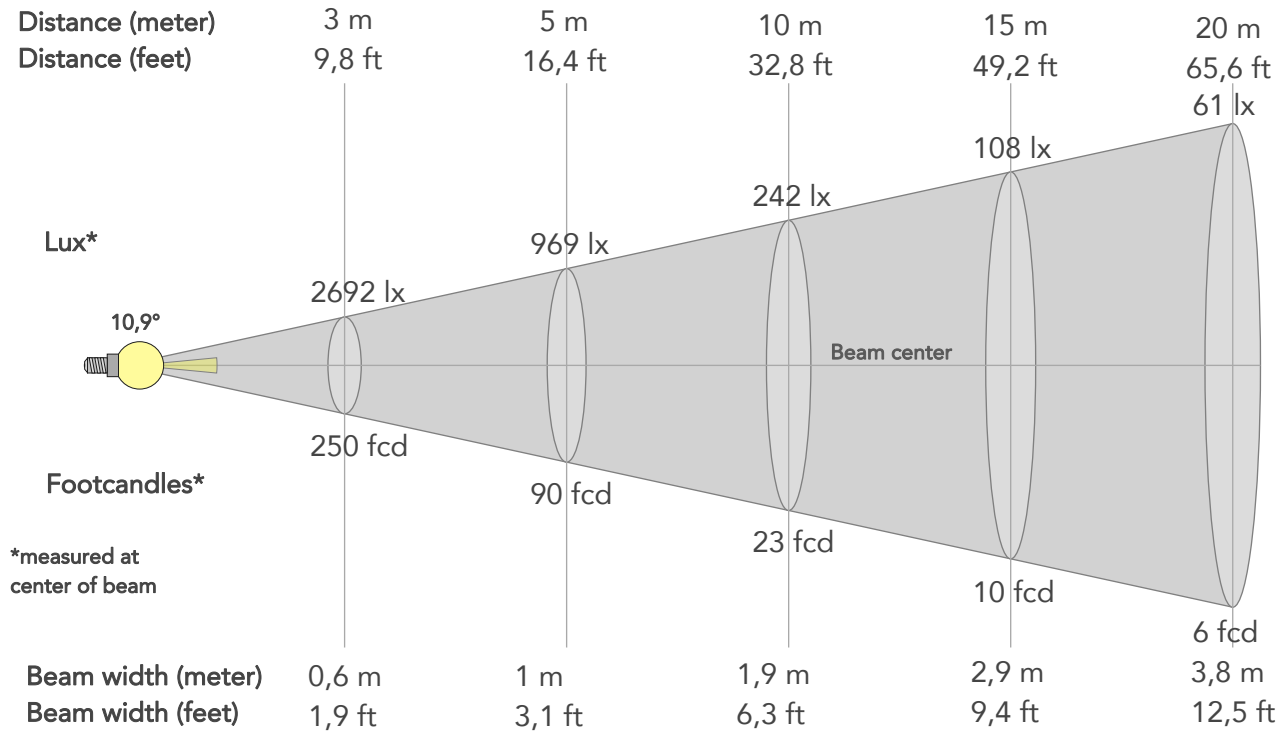
Spectra



BEAM DETAILS



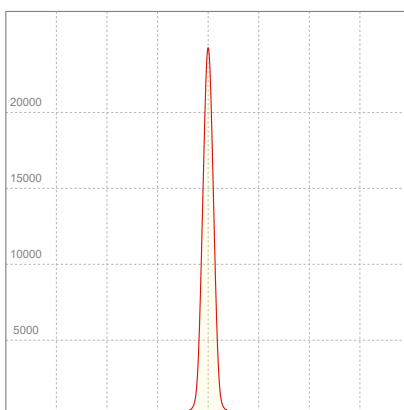
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,9°	19,5°	27,2°	96,6%	93,3%



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	24228lx	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.	0,2m	0,4m	0,6m	0,8m	1m	1,4m	1,9m	2,9m	3,8m	4,8m	5,7m	7,6m	9,5m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,1ft	4,7ft	6,3ft	9,4ft	12,5ft	15,7ft	18,8ft	25,1ft	31,3ft

LINEAR DISTRIBUTION DIAGRAM

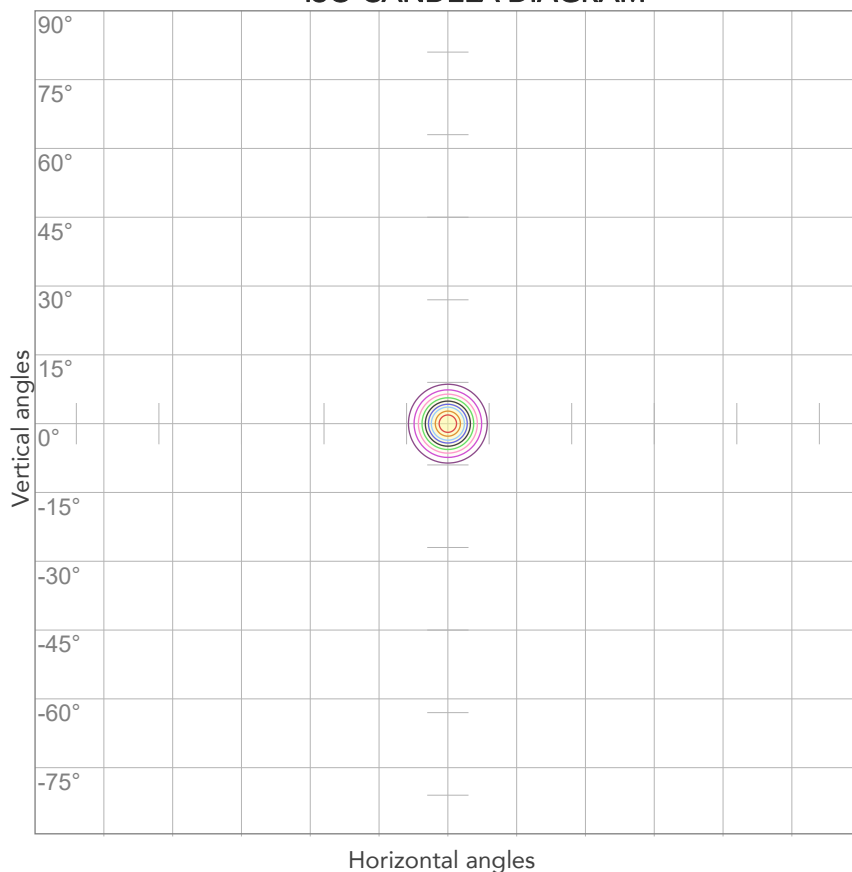


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,143A	28,9W	0,9	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



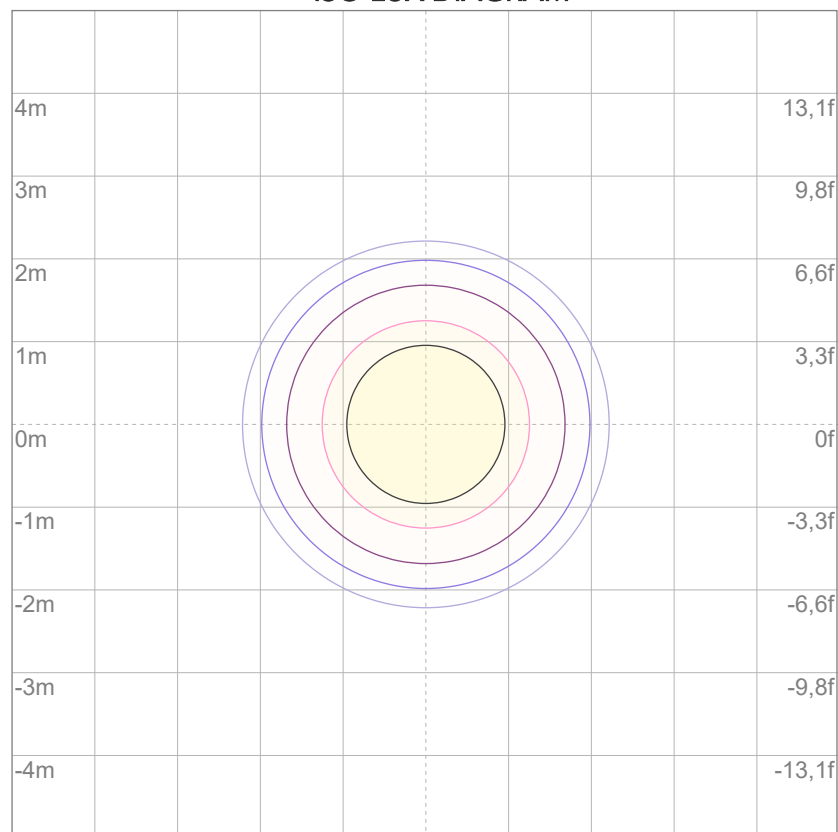
10%	2423 cd
20%	4846 cd
30%	7269 cd
40%	9691 cd
50%	12114 cd
60%	14537 cd
70%	16960 cd
80%	19383 cd

Conditions:

Number of c-planes: 2

Candela at center: 24228 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: 2

Lux at center: 242 lx

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



Total lumen output:

1242 lm

Peak candela output:

5015 cd

PRODUCT NAME:

ARCSPOTSFC

MEASUREMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

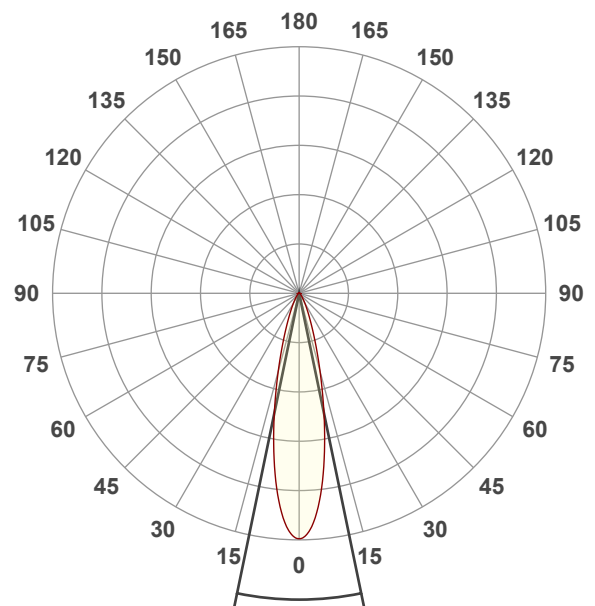
Full On

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:09:25

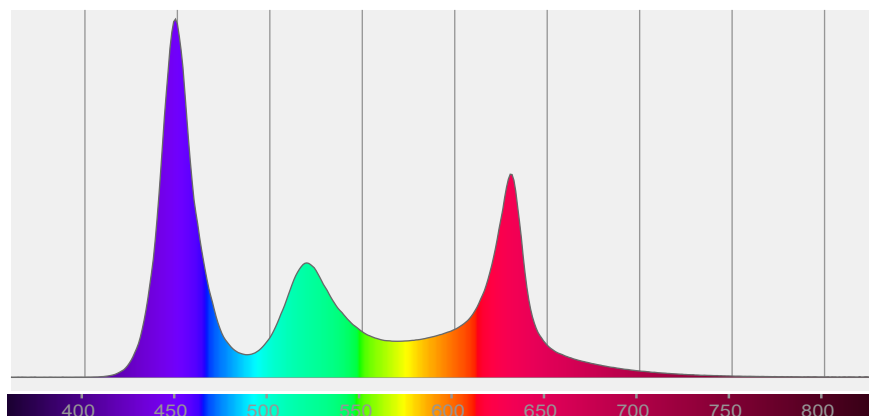


Beam angle 50%: 23,4°

Field angle 10%: 47,3°

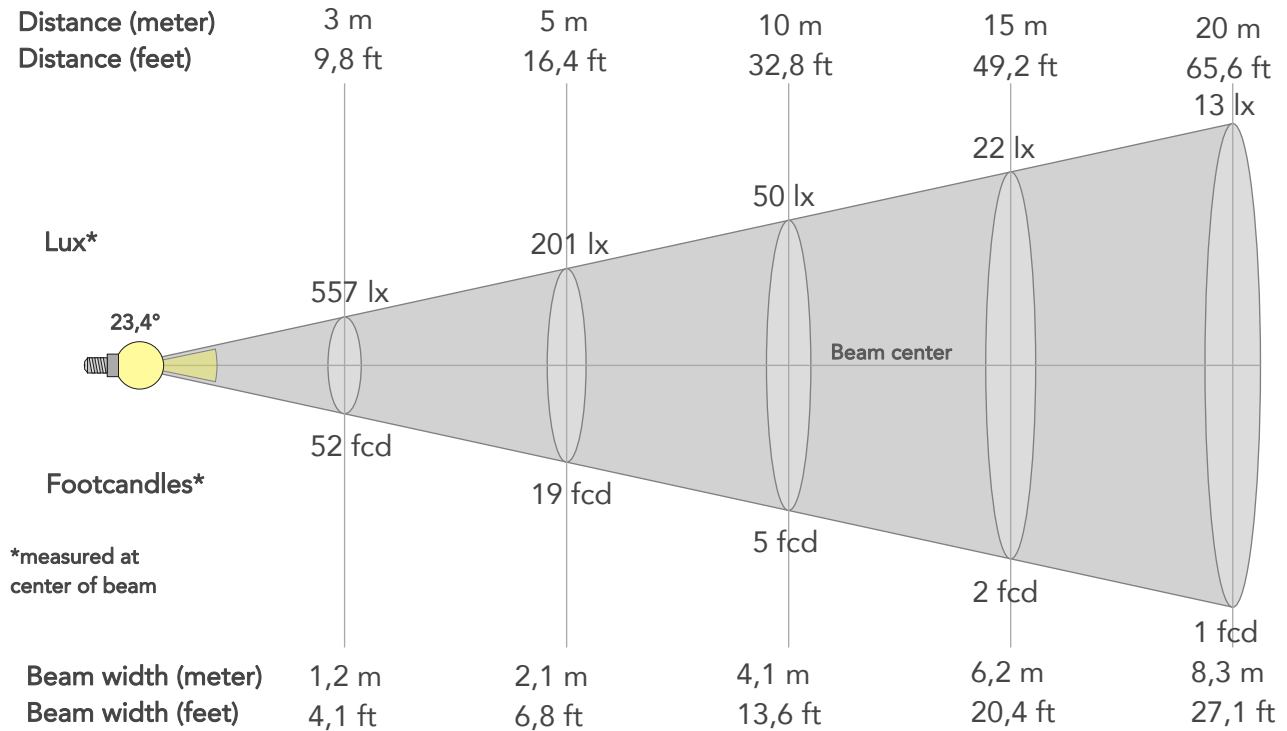
Cut off angle 2.5%: 71,6°

Spectra



BEAM DETAILS

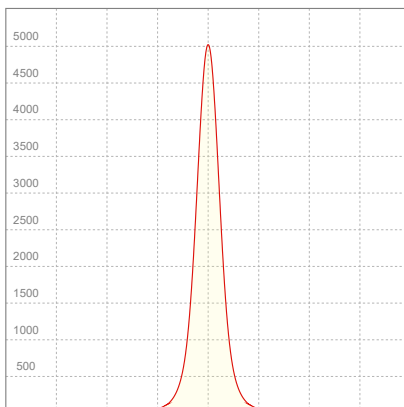
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,3°	71,6°	97,2%	93,0%



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	5015lx	1254lx	557lx	313lx	201lx	89lx	50lx	22lx	13lx	8lx	6lx	3lx	2lx
Footcand.	466fcd	116fcd	52fcd	29fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,3m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,1ft	33,9ft	40,7ft	54,3ft	67,9ft

LINEAR DISTRIBUTION DIAGRAM

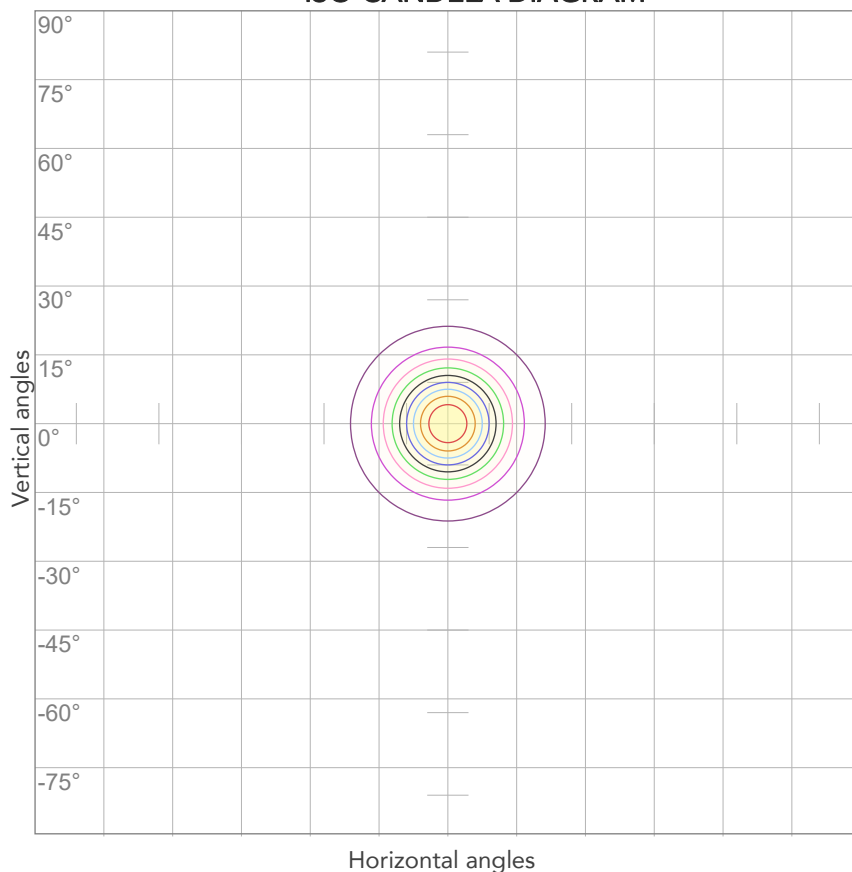


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,143A	29,0W	0,9	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



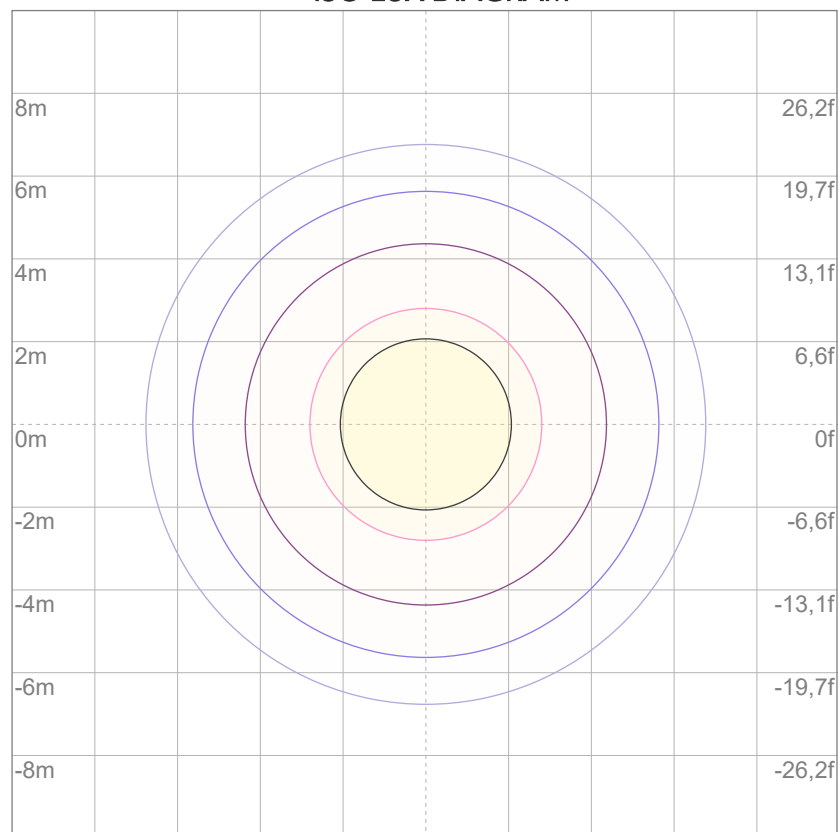
10%	502 cd
20%	1003 cd
30%	1505 cd
40%	2006 cd
50%	2508 cd
60%	3009 cd
70%	3511 cd
80%	4012 cd

Conditions:

Number of c-planes: 2

Candela at center: 5015 cd

ISO LUX DIAGRAM



3%	1,50 lx
5%	2,51 lx
10%	5,02 lx
30%	15,0 lx
50%	25,1 lx

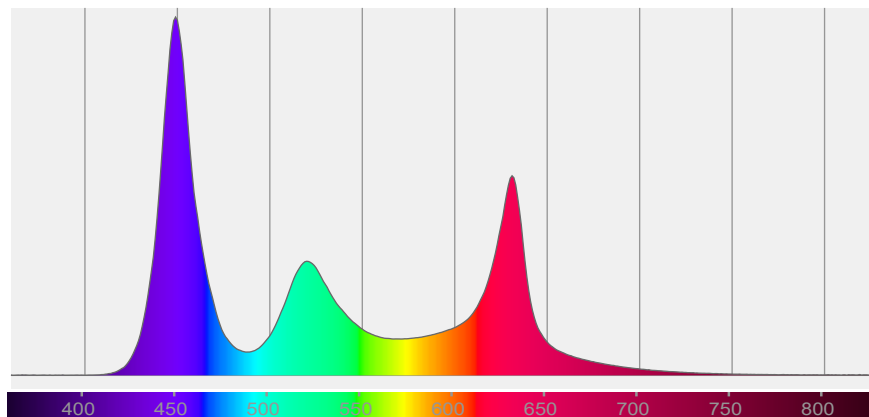
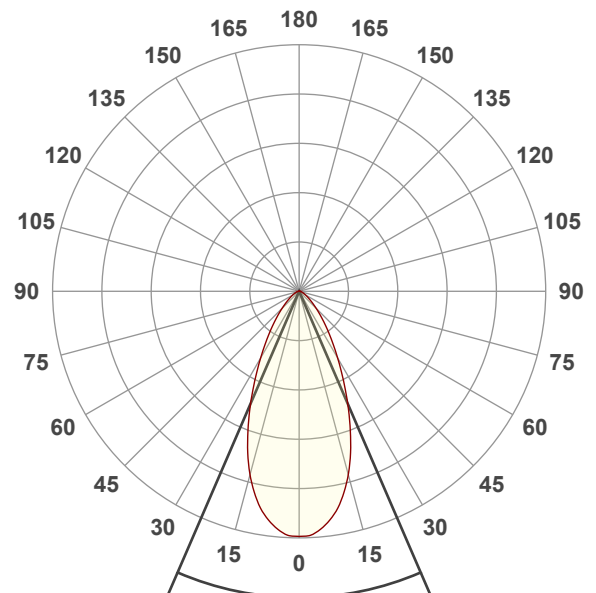
Conditions:

Number of c-planes: 2

Lux at center: 50,2 lx

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

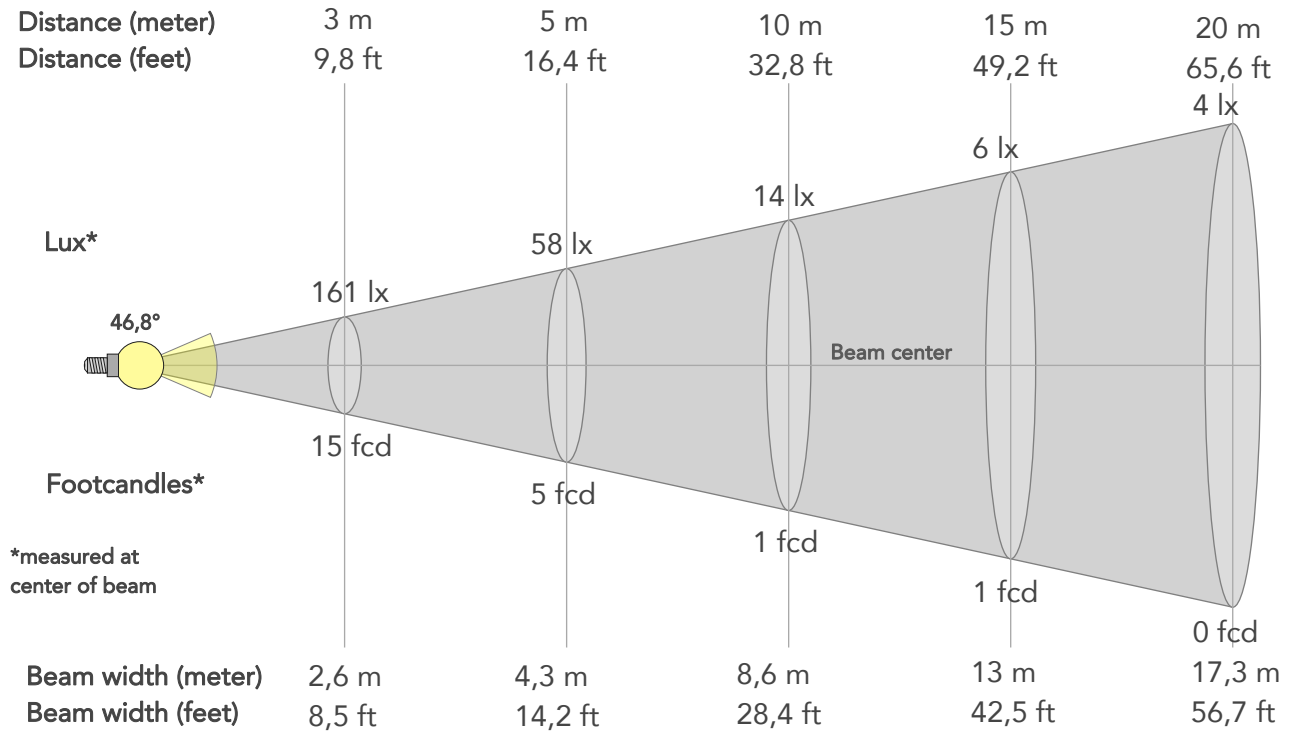
1447 cd



BEAM DETAILS



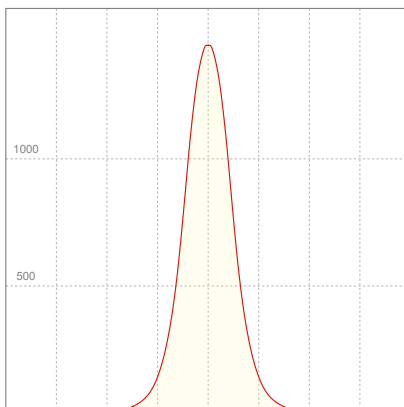
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46,8°	89,6°	125,6°	96,0%	86,8%



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	1447lx	362lx	161lx	90lx	58lx	26lx	14lx	6lx	4lx	2lx	2lx	1lx	1lx
Footcand.	134fcd	34fcd	15fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,7m	2,6m	3,5m	4,3m	6,5m	8,6m	13m	17,3m	21,6m	25,9m	34,6m	43,2m
Beam wid.	2,9ft	5,7ft	8,5ft	11,3ft	14,2ft	21,3ft	28,4ft	42,5ft	56,7ft	70,9ft	85,1ft	113,4ft	141,8ft

LINEAR DISTRIBUTION DIAGRAM

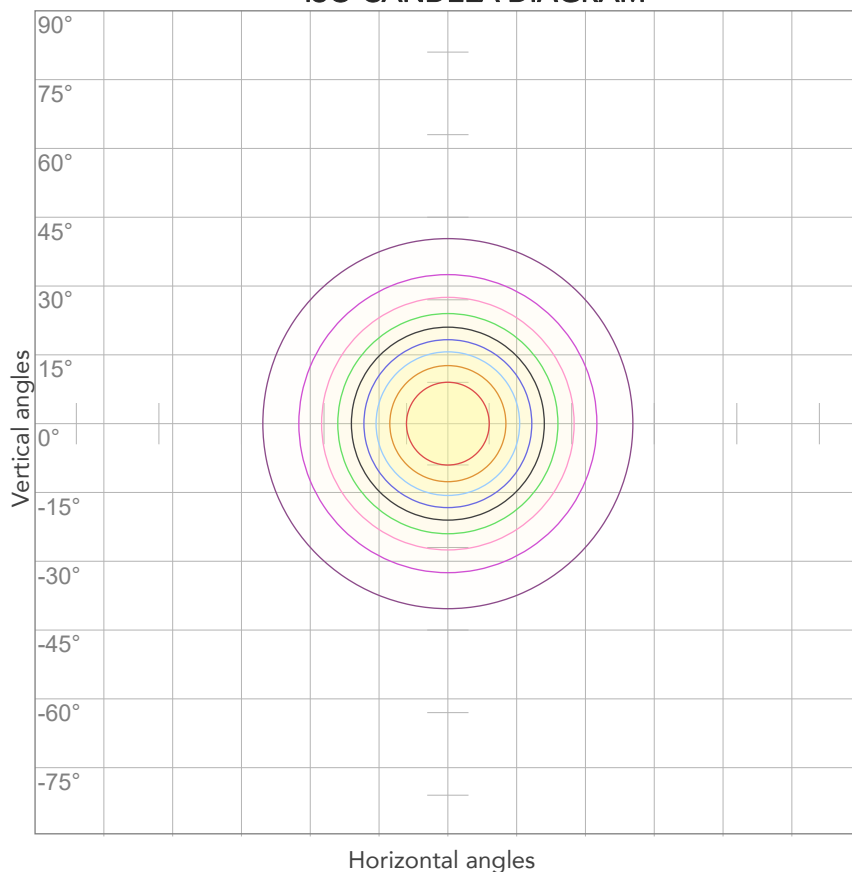


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,142A	28,8W	0,9	40lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



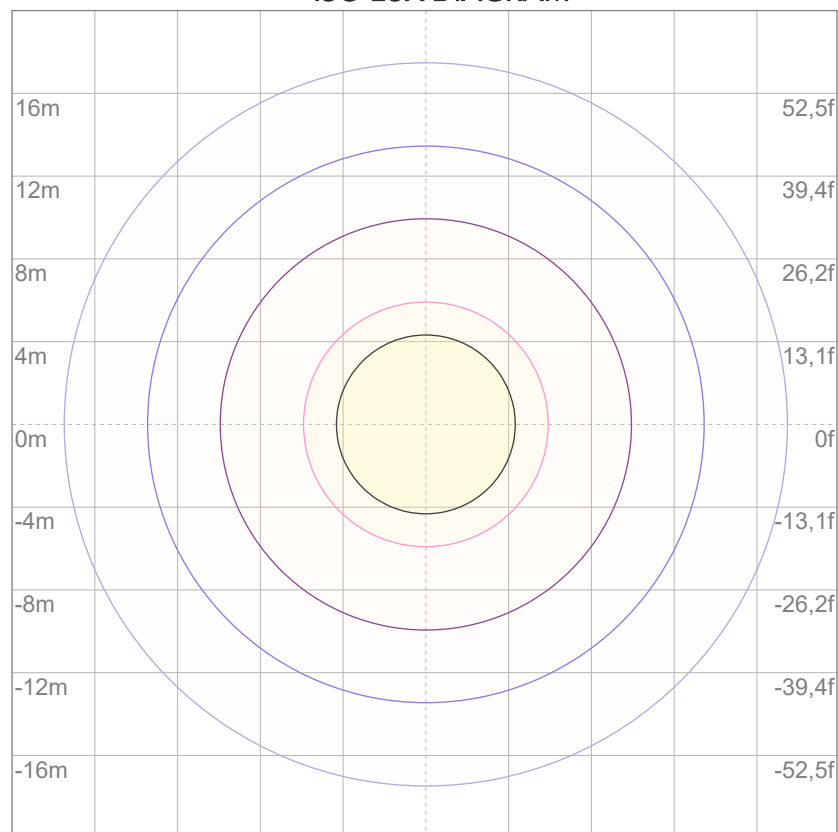
10%	145 cd
20%	289 cd
30%	434 cd
40%	579 cd
50%	723 cd
60%	868 cd
70%	1013 cd
80%	1157 cd

Conditions:

Number of c-planes: 2

Candela at center: 1447 cd

ISO LUX DIAGRAM



3%	0,434 lx
5%	0,723 lx
10%	1,45 lx
30%	4,34 lx
50%	7,23 lx

Conditions:

Number of c-planes: 2

Lux at center: 14,5 lx

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



Total lumen output:

1161 lm

Peak candela output:

1071 cd

PRODUCT NAME:

ARCSPOTSFC

MEASUREMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

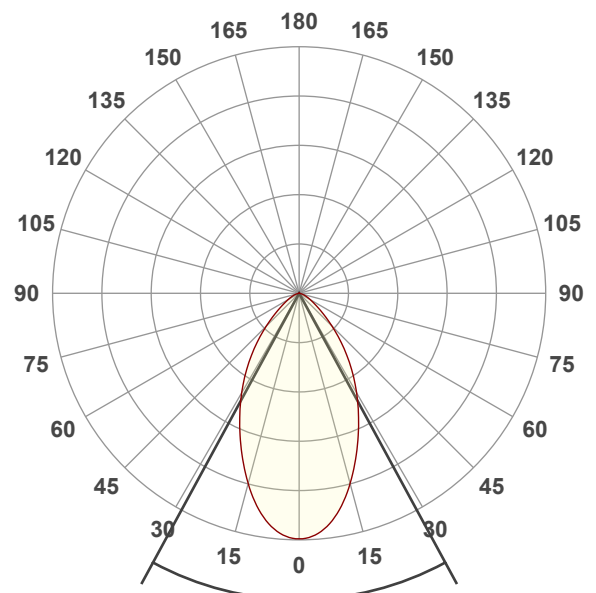
Full On

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:27:12

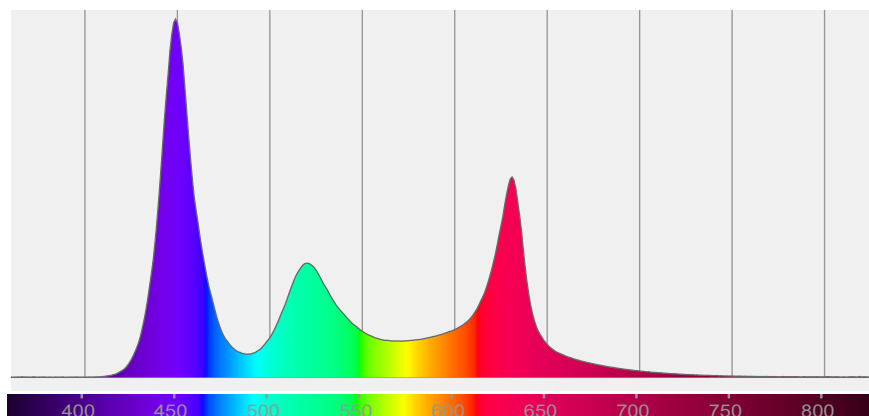


Beam angle 50%: 57°

Field angle 10%: 104,9°

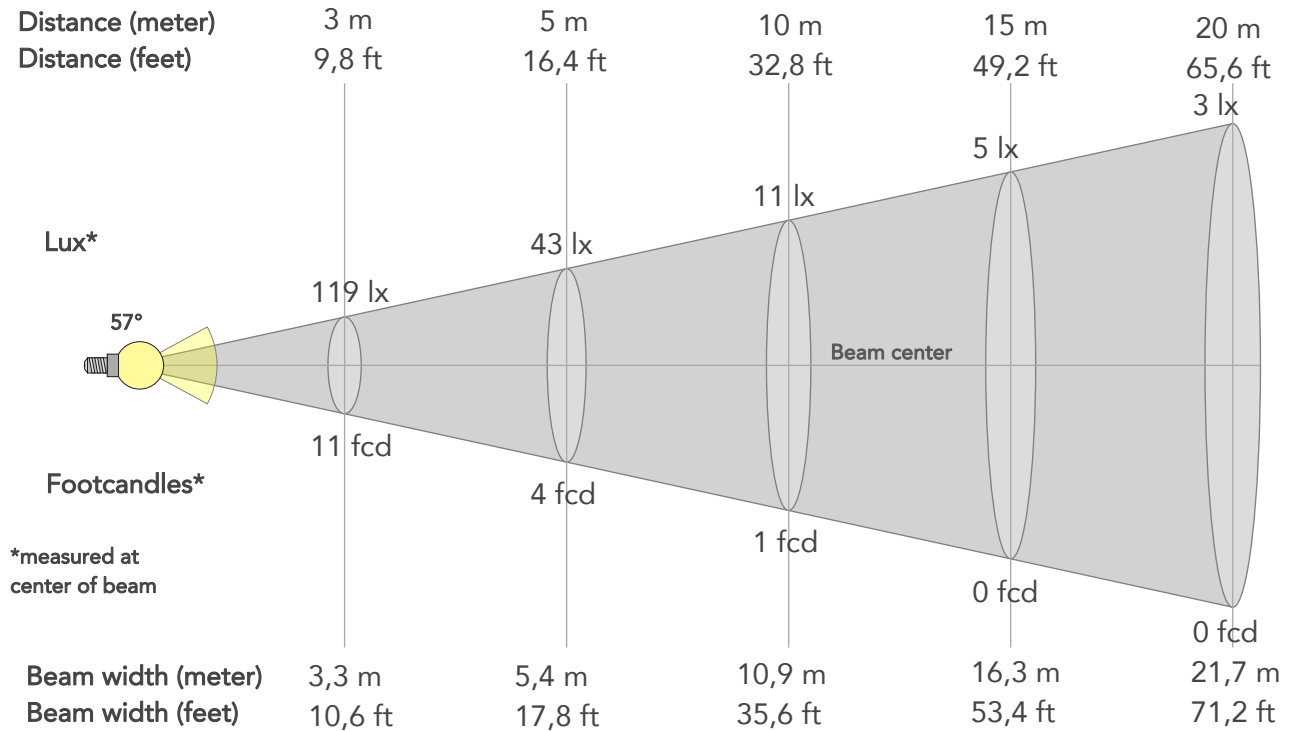
Cut off angle 2.5%: 137,9°

Spectra



BEAM DETAILS

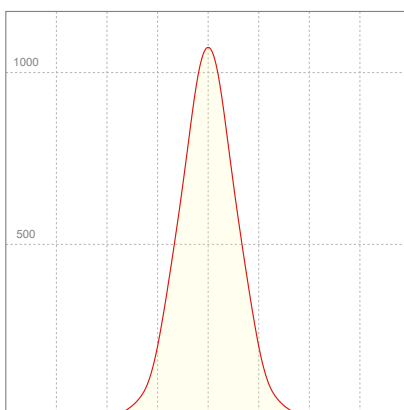
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57°	104,9°	137,9°	95,0%	82,4%



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	1071lx	268lx	119lx	67lx	43lx	19lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	99fcd	25fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,3m	5,4m	8,1m	10,9m	16,3m	21,7m	27,1m	32,6m	43,4m	54,3m
Beam wid.	3,6ft	7,2ft	10,6ft	14,2ft	17,8ft	26,7ft	35,6ft	53,4ft	71,2ft	89ft	106,8ft	142,4ft	178ft

LINEAR DISTRIBUTION DIAGRAM

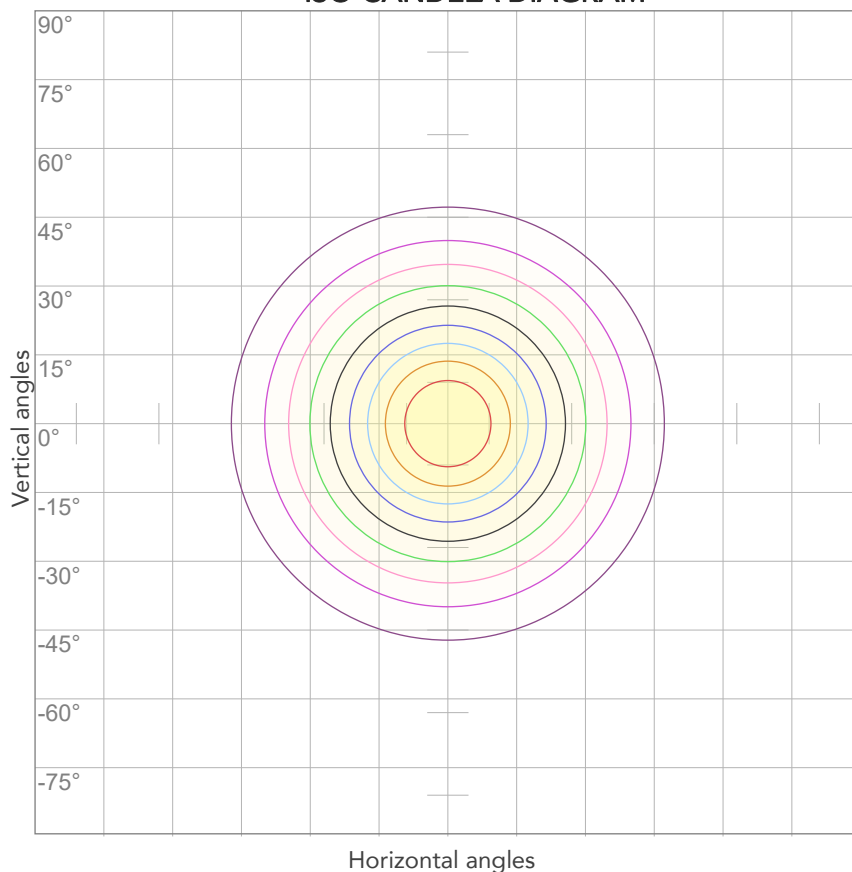


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,143A	28,8W	0,89	40lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



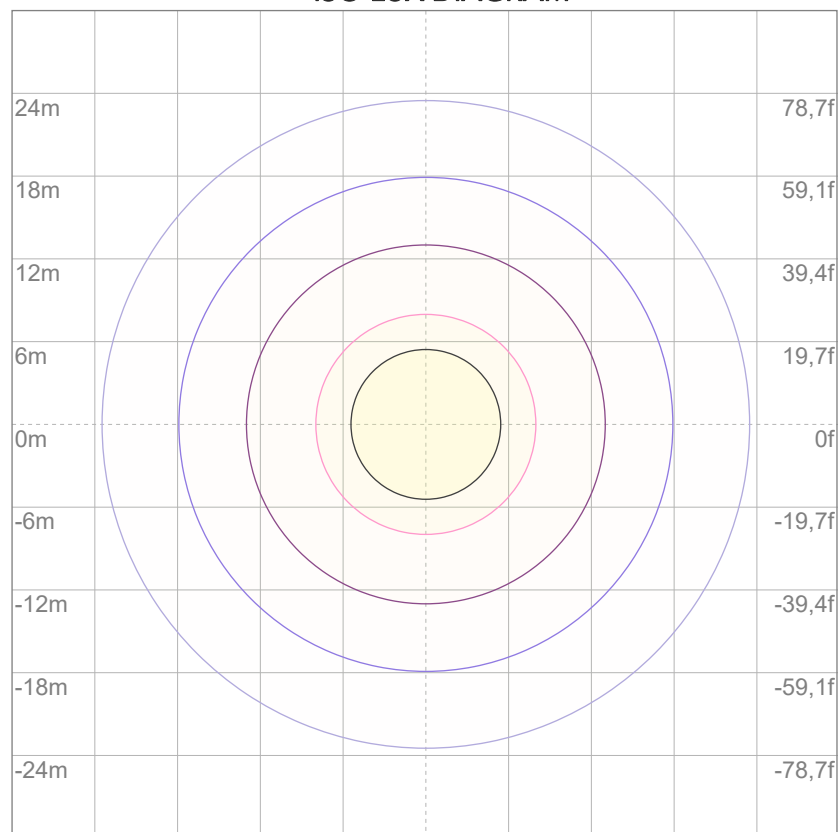
10%	107 cd
20%	214 cd
30%	321 cd
40%	428 cd
50%	535 cd
60%	643 cd
70%	750 cd
80%	857 cd

Conditions:

Number of c-planes: 2

Candela at center: 1071 cd

ISO LUX DIAGRAM



3%	0,321 lx
5%	0,535 lx
10%	1,07 lx
30%	3,21 lx
50%	5,35 lx

Conditions:

Number of c-planes: 2

Lux at center: 10,7 lx

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



Total lumen output:

1336 lm

Peak candela output:

3925 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° +10°x 60° Filter

Target:

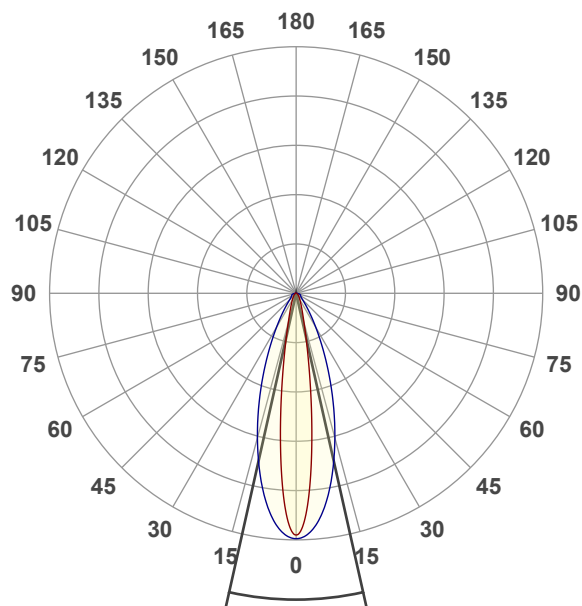
Full On

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:34:27

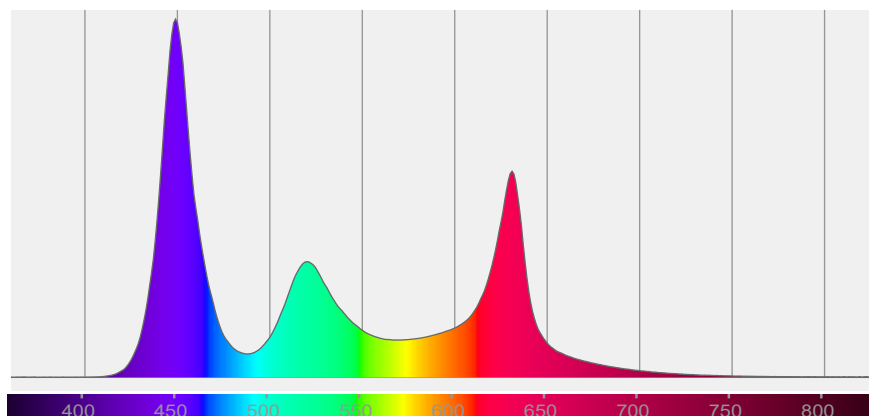


Beam angle 50%: 25,3°

Field angle 10%: 51,1°

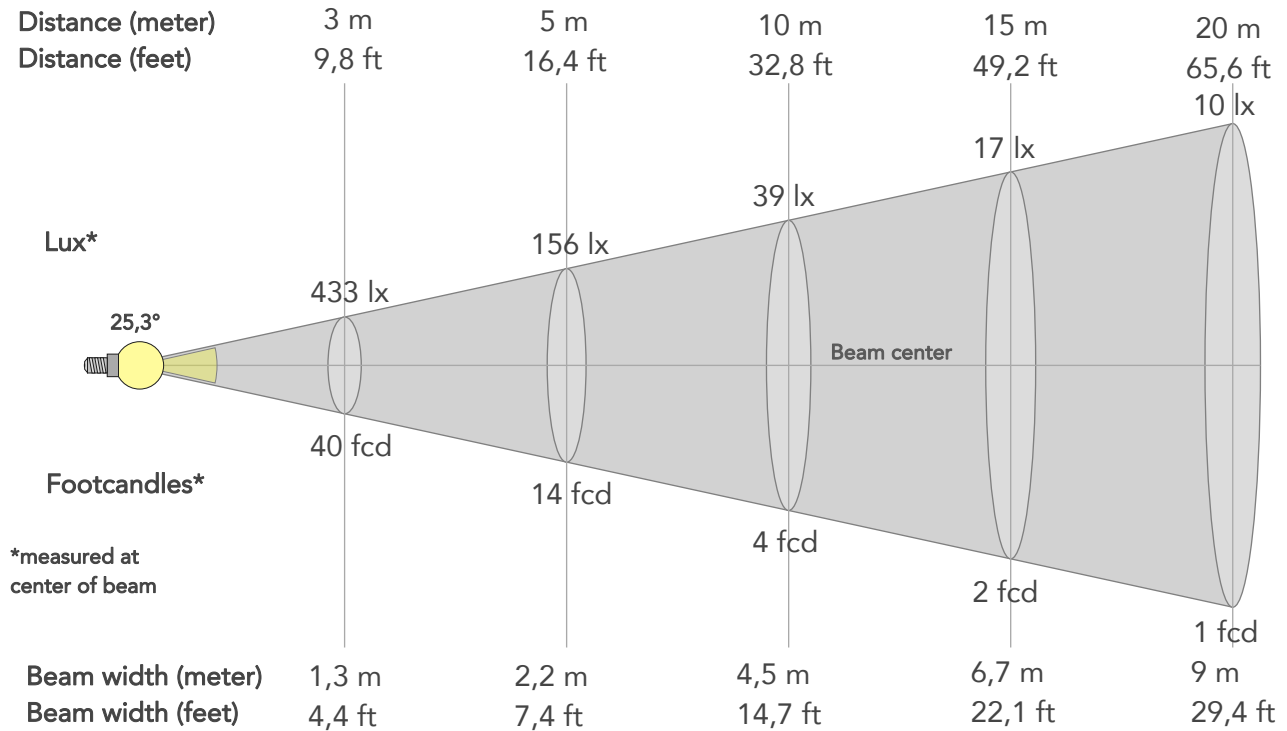
Cut off angle 2.5%: 86,4°

Spectra



BEAM DETAILS

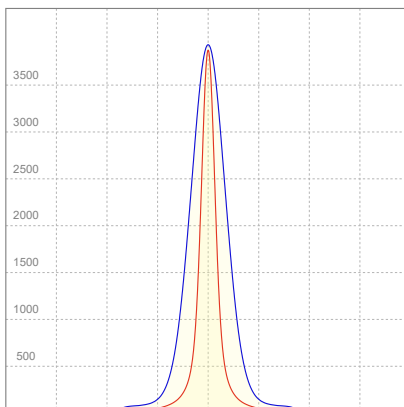
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25,3°	51,1°	86,4°	93,0%	86,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3896lx	974lx	433lx	244lx	156lx	69lx	39lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	362fcd	90fcd	40fcd	23fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,9m	1,3m	1,8m	2,2m	3,4m	4,5m	6,7m	9m	11,2m	13,4m	17,9m	22,4m
Beam wid.	1,5ft	3ft	4,4ft	5,9ft	7,4ft	11ft	14,7ft	22,1ft	29,4ft	36,8ft	44,1ft	58,8ft	73,5ft

LINEAR DISTRIBUTION DIAGRAM

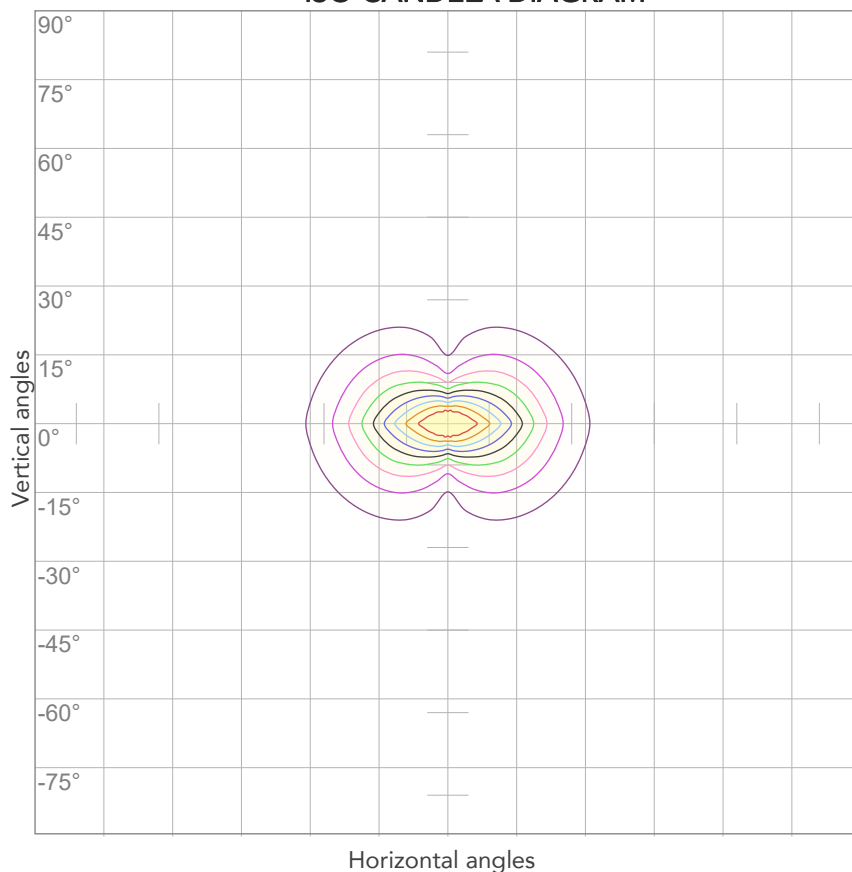


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,142A	28,8W	0,89	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



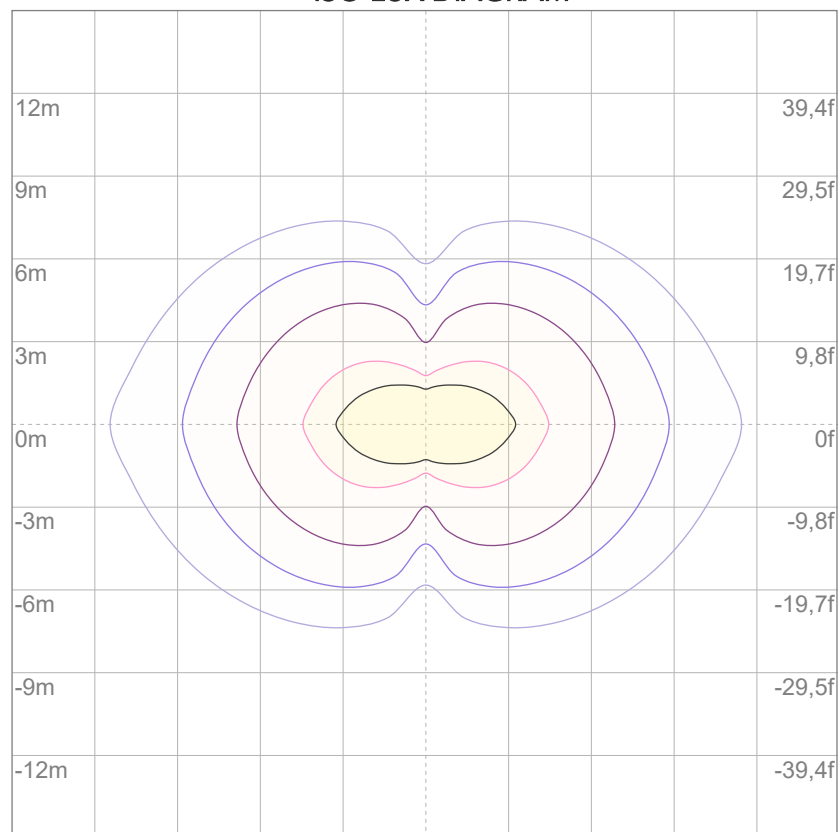
10%	390 cd
20%	779 cd
30%	1169 cd
40%	1559 cd
50%	1948 cd
60%	2338 cd
70%	2727 cd
80%	3117 cd

Conditions:

Number of c-planes: 4

Candela at center: 3896 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:

1328 lm

Peak candela output:

1896 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° +30°x 60° Filter

Target:

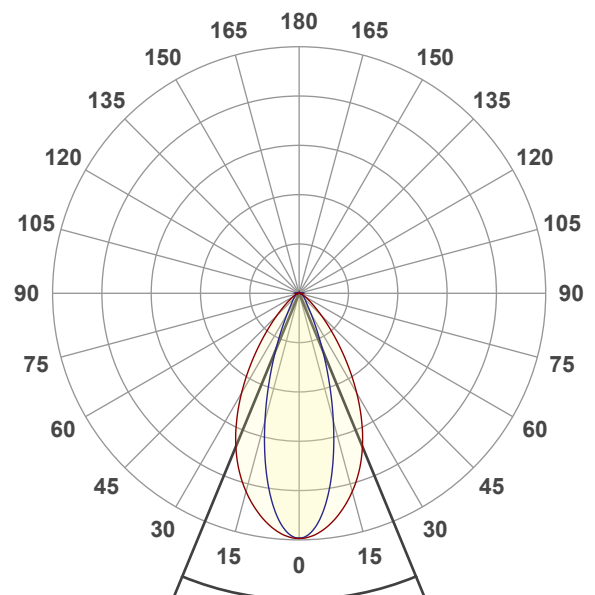
Full On

Operator:

Giacomo Matteo

Date and time:

10/02/2024 09:03:20

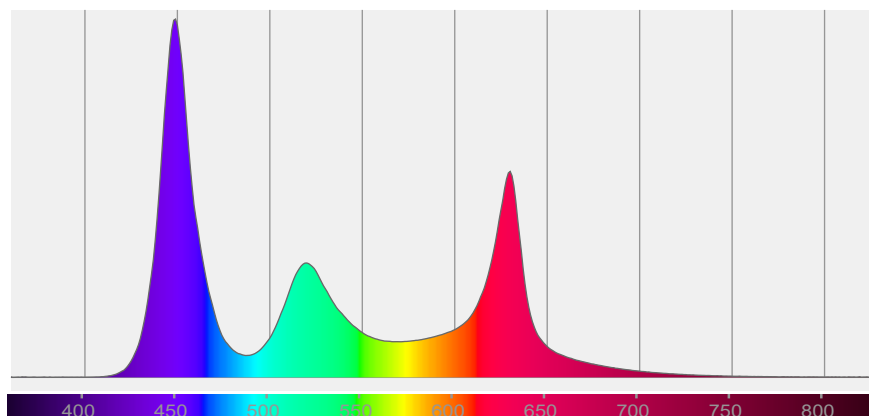


Beam angle 50%: 44,9°

Field angle 10%: 77,2°

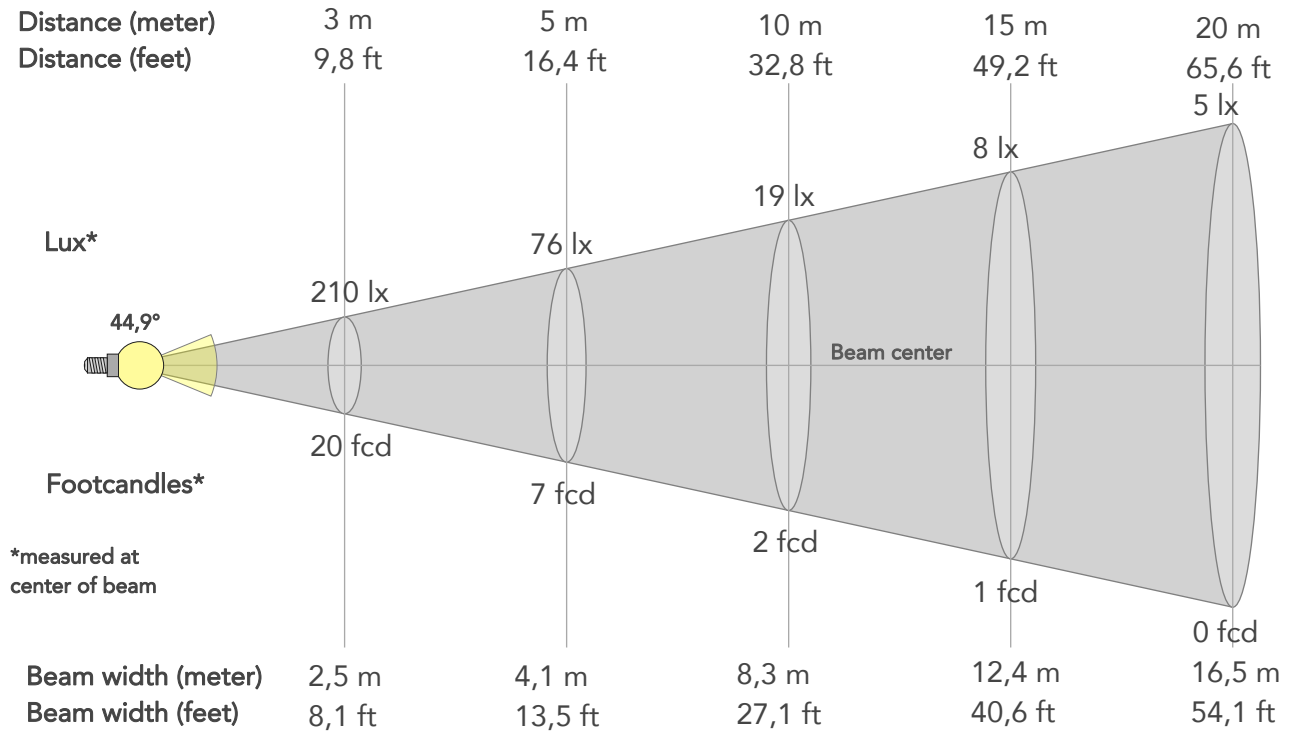
Cut off angle 2.5%: 113,1°

Spectra



BEAM DETAILS

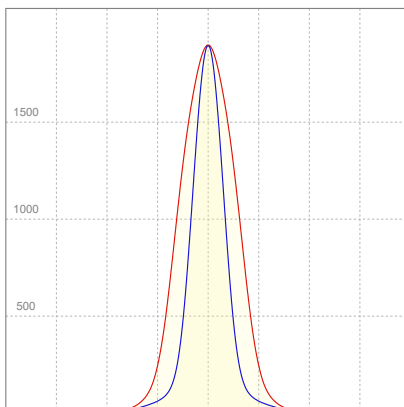
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,9°	77,2°	113,1°	96,7%	88,5%



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	1894lx	474lx	210lx	118lx	76lx	34lx	19lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	176fcd	44fcd	20fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,5m	20,6m	24,8m	33m	41,3m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27,1ft	40,6ft	54,1ft	67,7ft	81,2ft	108,3ft	135,4ft

LINEAR DISTRIBUTION DIAGRAM

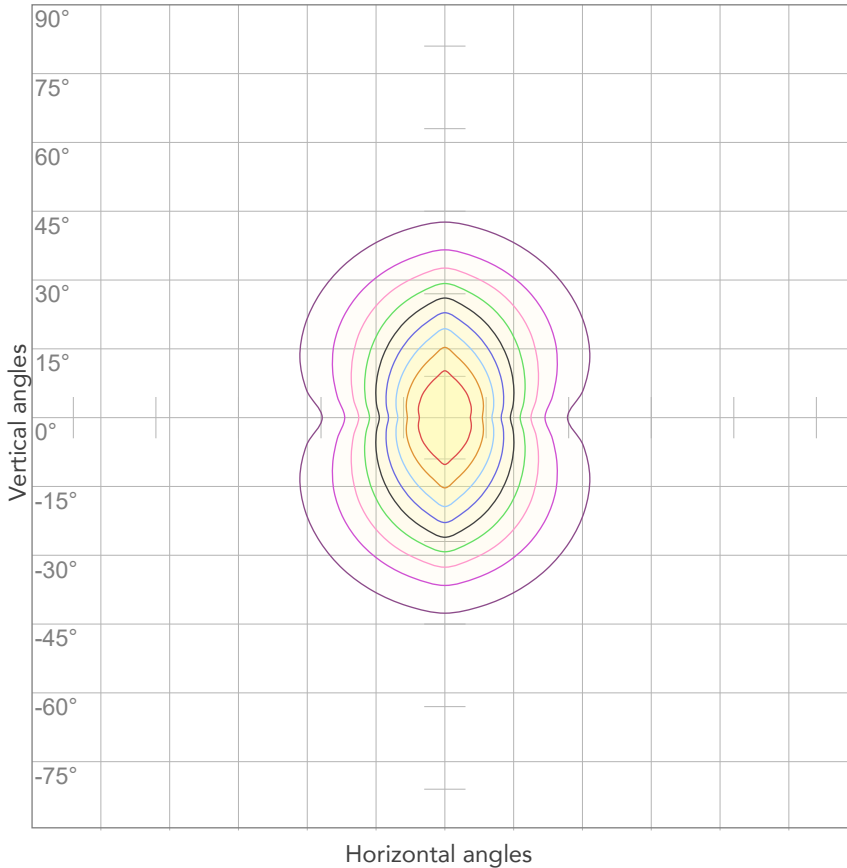


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,147A	29,3W	0,89	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



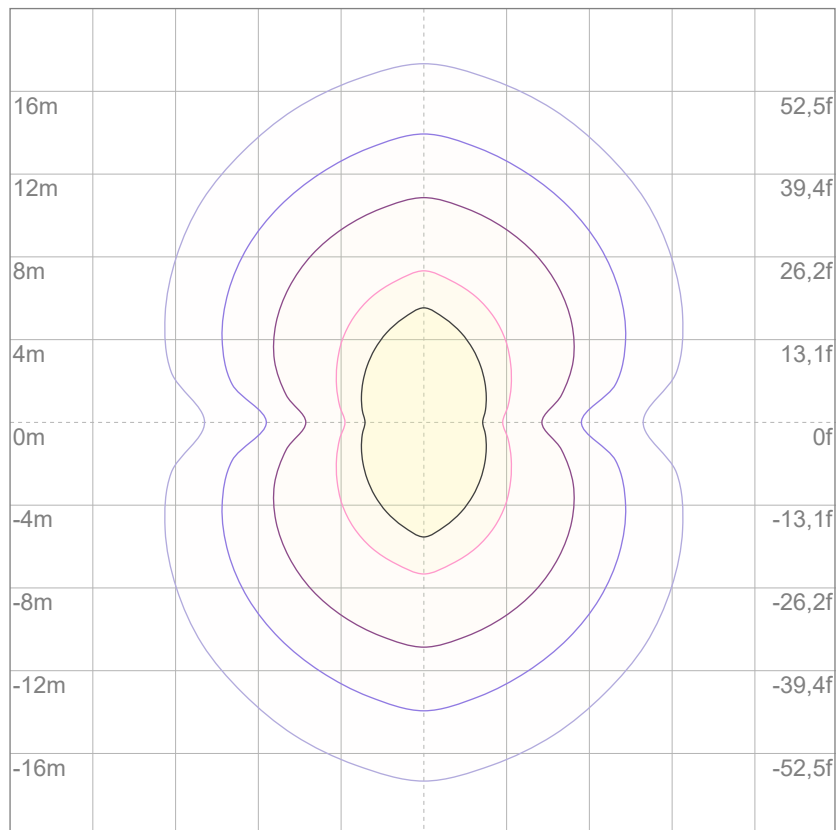
10%	189 cd
20%	379 cd
30%	568 cd
40%	758 cd
50%	947 cd
60%	1137 cd
70%	1326 cd
80%	1515 cd

Conditions:

Number of c-planes: 4

Candela at center: 1894 cd

ISO LUX DIAGRAM



3%	0,568 lx
5%	0,947 lx
10%	1,89 lx
30%	5,68 lx
50%	9,47 lx

Conditions:

Number of c-planes: 4

Lux at center: 18,9 lx

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



Total lumen output:

403 lm

Peak candela output:

6731 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

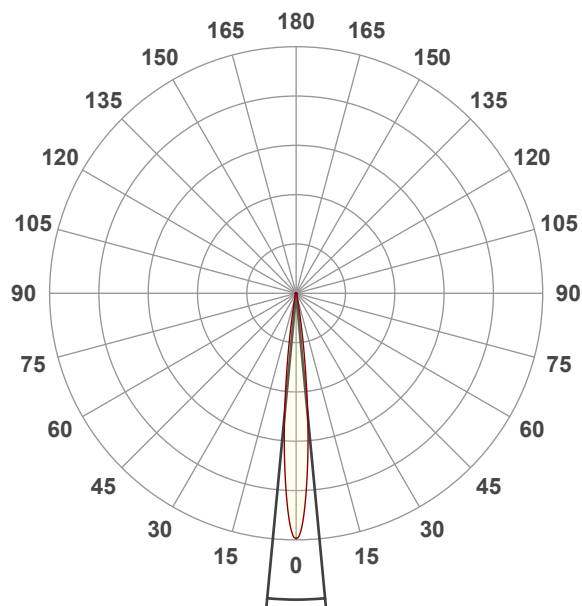
Red

Operator:

Giacomo Matteo

Date and time:

09/02/2024 13:00:29

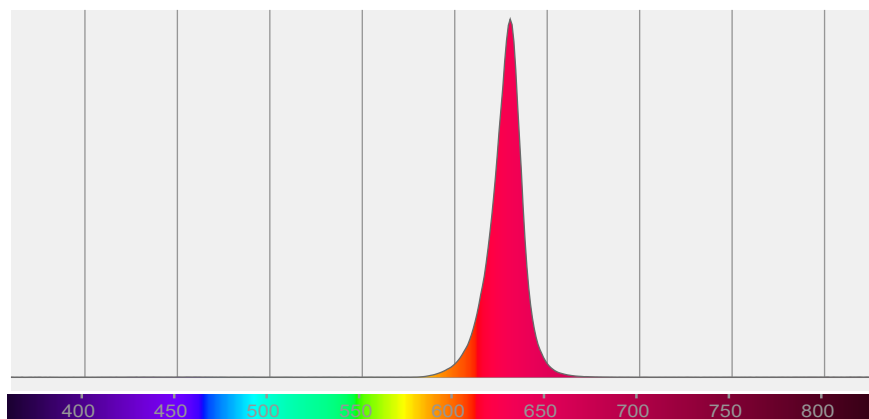


Beam angle 50%: 10,8°

Field angle 10%: 19,4°

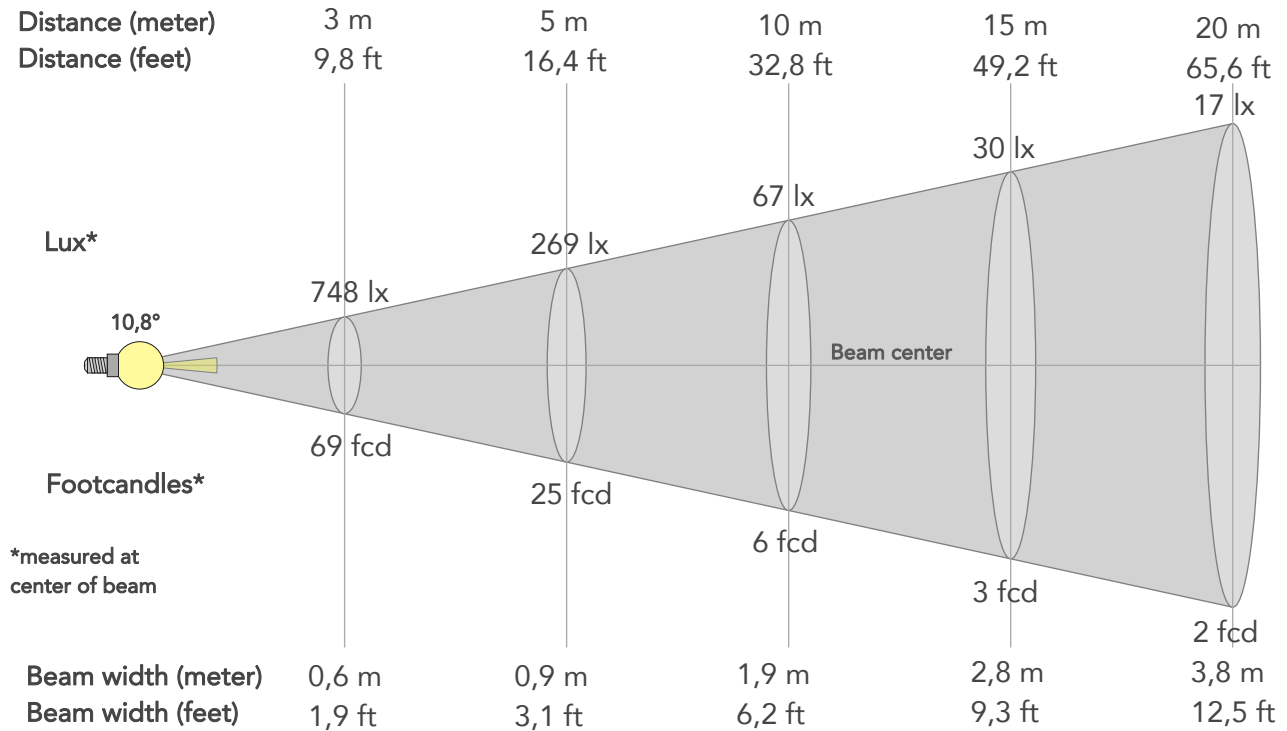
Cut off angle 2.5%: 28,1°

Spectra



BEAM DETAILS

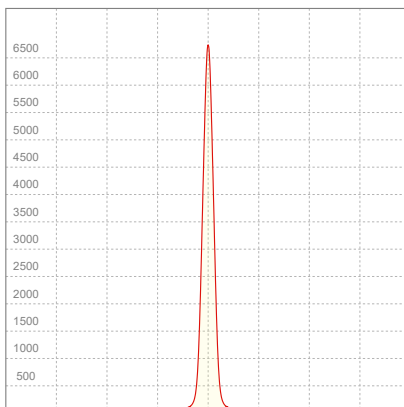
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,8°	19,4°	28,1°	91,5%	86,2%



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	6731lx	1683lx	748lx	421lx	269lx	120lx	67lx	30lx	17lx	11lx	7lx	4lx	3lx
Footcand.	625fcd	156fcd	69fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	0,9m	1,4m	1,9m	2,8m	3,8m	4,7m	5,7m	7,6m	9,5m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,1ft	4,7ft	6,2ft	9,3ft	12,5ft	15,6ft	18,7ft	24,9ft	31,1ft

LINEAR DISTRIBUTION DIAGRAM

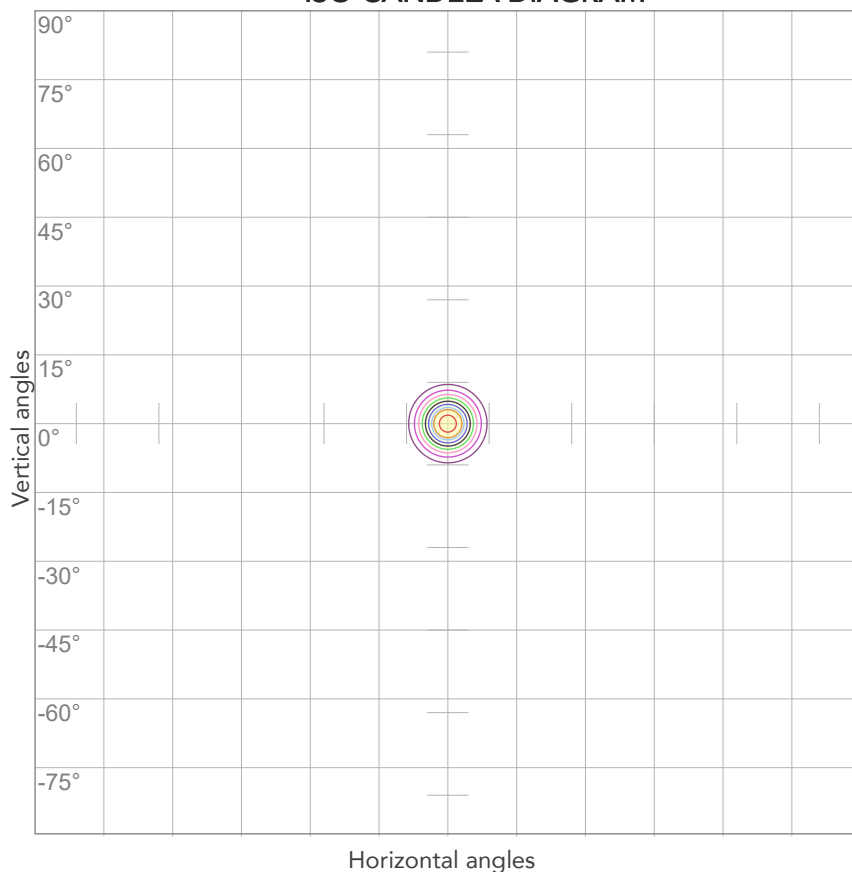


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,083A	10,9W	0,58	37lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



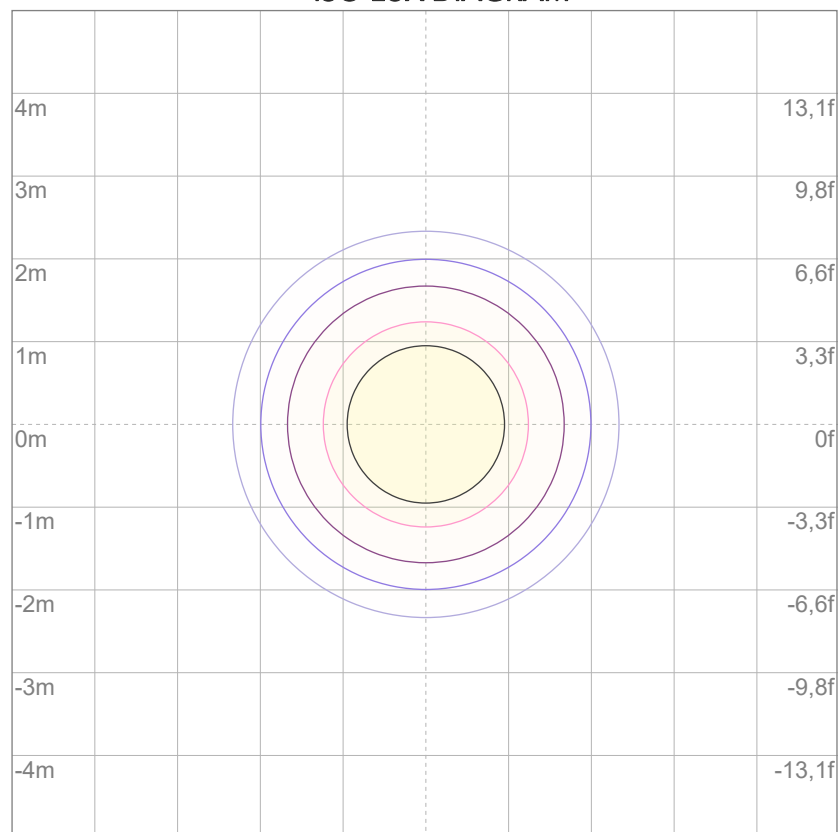
10%	673 cd
20%	1346 cd
30%	2019 cd
40%	2692 cd
50%	3365 cd
60%	4038 cd
70%	4711 cd
80%	5385 cd

Conditions:

Number of c-planes: 2

Candela at center: 6731 cd

ISO LUX DIAGRAM



3%	2,02 lx
5%	3,37 lx
10%	6,73 lx
30%	20,2 lx
50%	33,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 67,3 lx

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



Total lumen output:

346 lm

Peak candela output:

1361 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

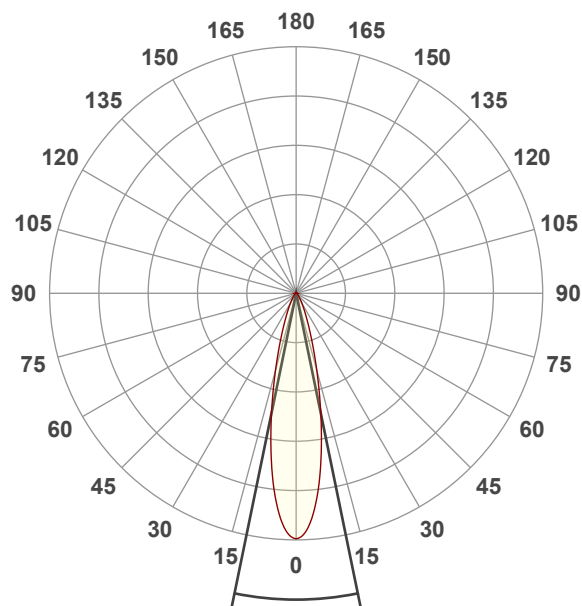
Red

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:10:54

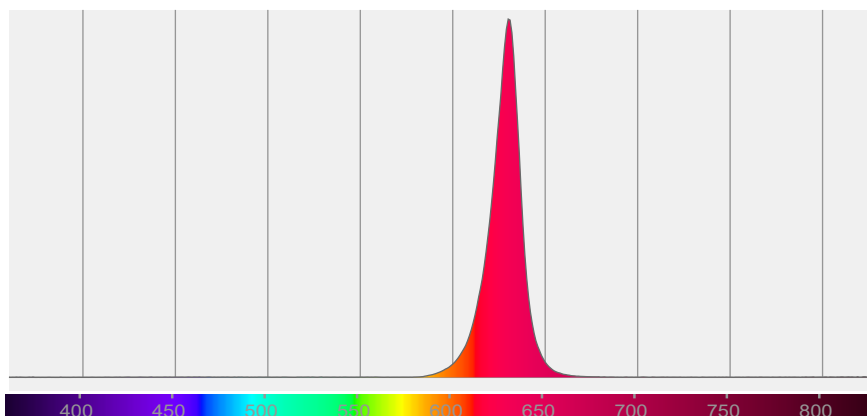


Beam angle 50%: 23,2°

Field angle 10%: 47,1°

Cut off angle 2.5%: 71,8°

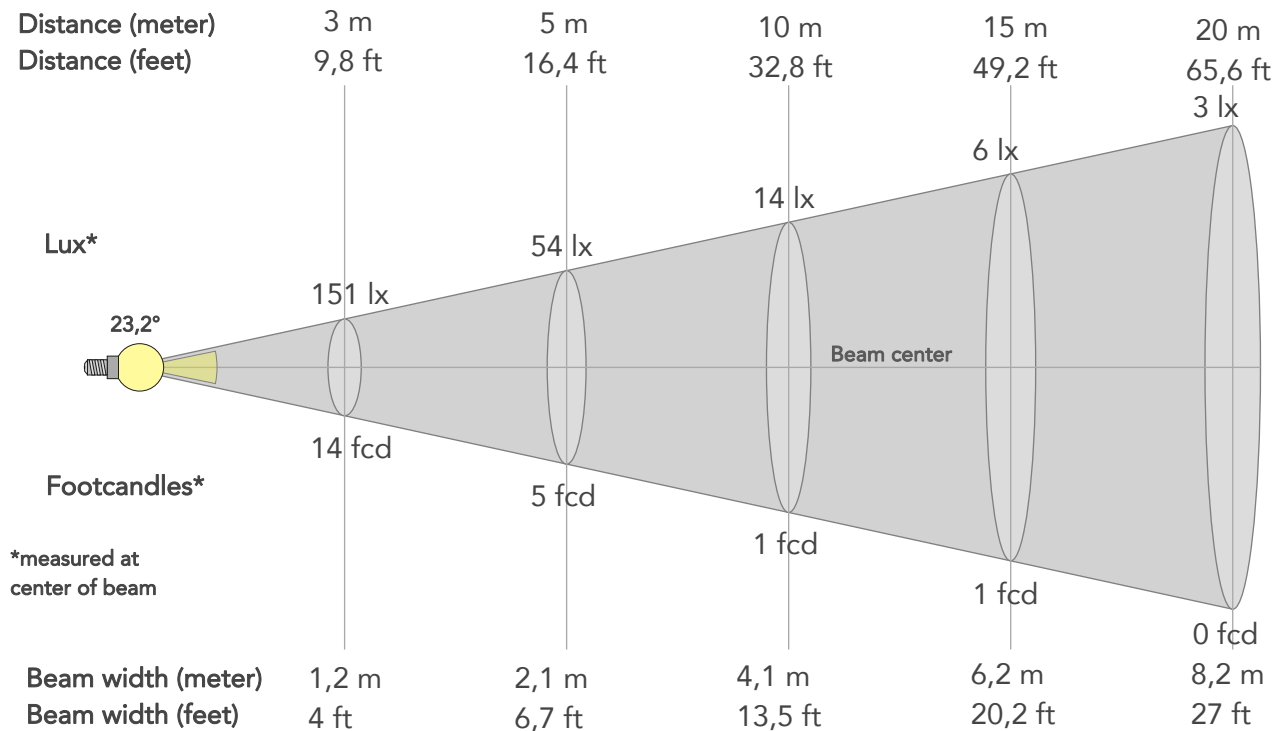
Spectra



BEAM DETAILS



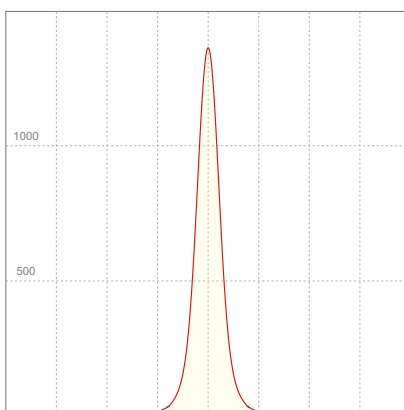
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,2°	47,1°	71,8°	94,3%	89,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1361lx	340lx	151lx	85lx	54lx	24lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	126fcd	32fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2,1m	3,1m	4,1m	6,2m	8,2m	10,3m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,5ft	20,2ft	27ft	33,7ft	40,4ft	53,9ft	67,4ft

LINEAR DISTRIBUTION DIAGRAM

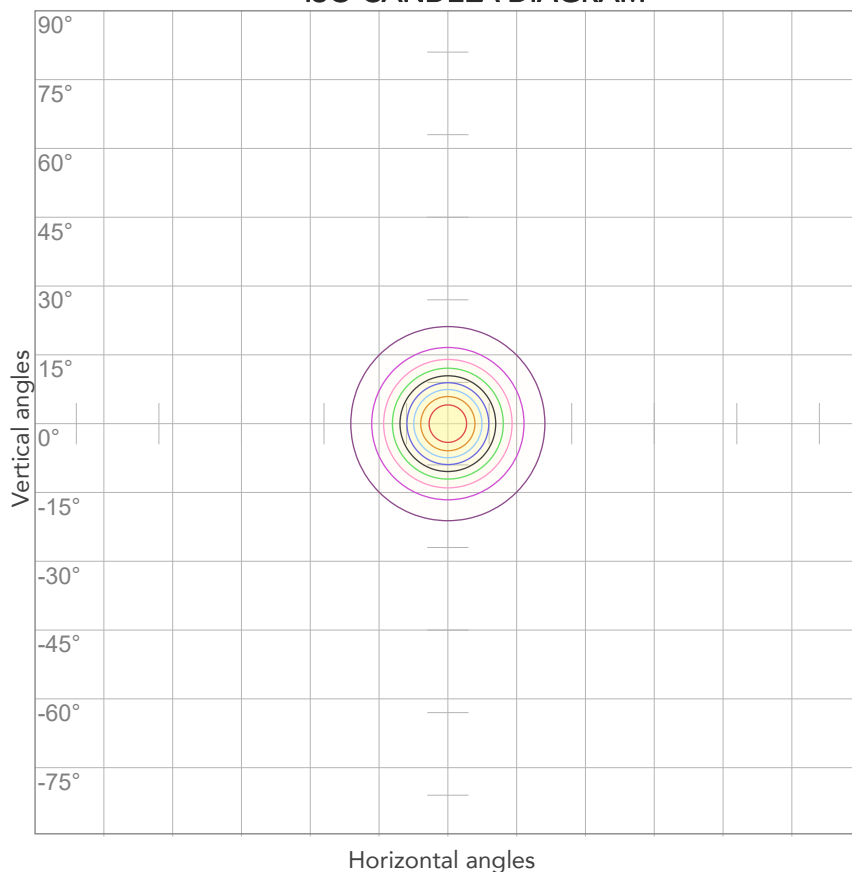


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,082A	10,9W	0,58	32lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



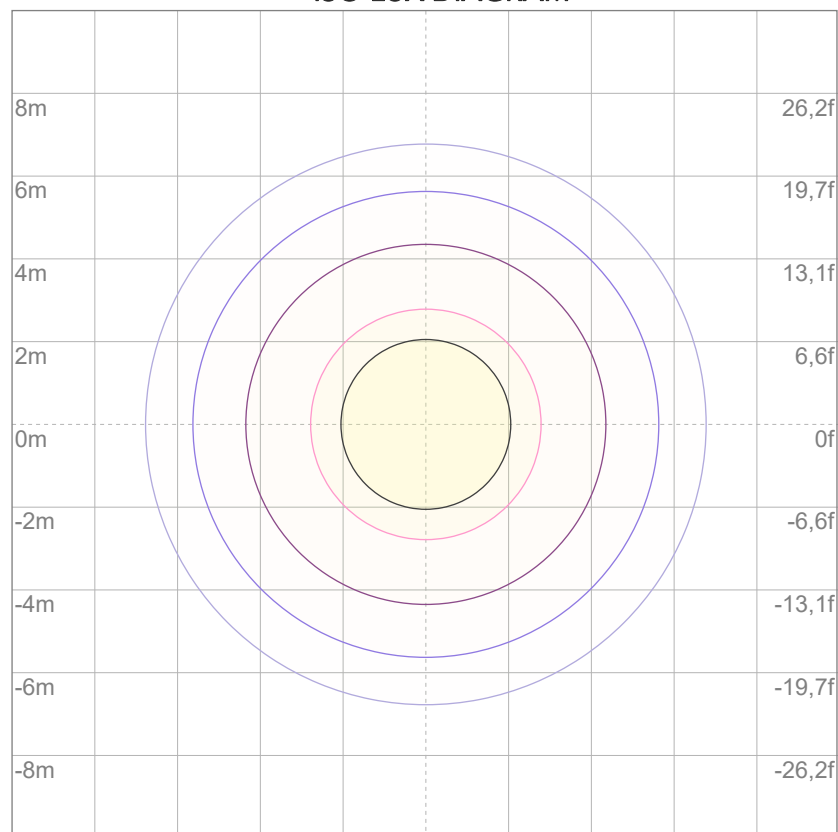
10%	136 cd
20%	272 cd
30%	408 cd
40%	544 cd
50%	680 cd
60%	816 cd
70%	952 cd
80%	1089 cd

Conditions:

Number of c-planes: 2

Candela at center: 1361 cd

ISO LUX DIAGRAM



3%	0,408 lx
5%	0,680 lx
10%	1,36 lx
30%	4,08 lx
50%	6,80 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,6 lx

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



Total lumen output:

300 lm

Peak candela output:

378 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

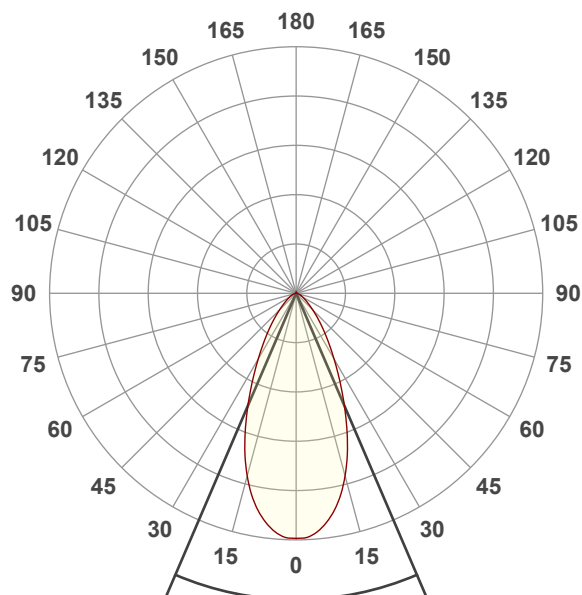
Red

Operator:

Giacomo Matteo

Date and time:

09/02/2024 13:28:29

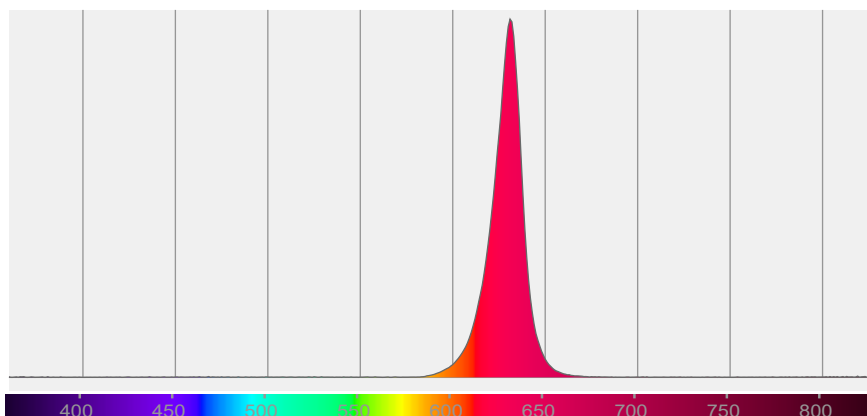


Beam angle 50%: 46,4°

Field angle 10%: 89°

Cut off angle 2.5%: 126,5°

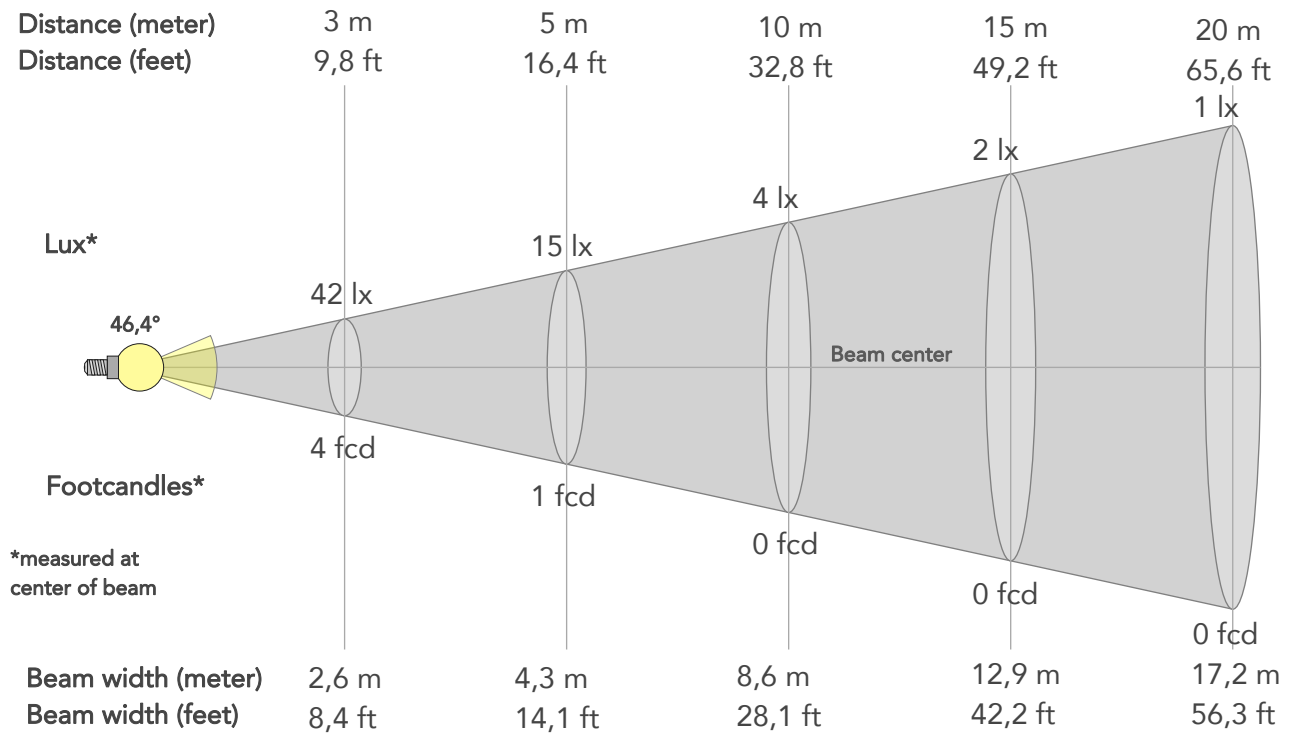
Spectra



BEAM DETAILS



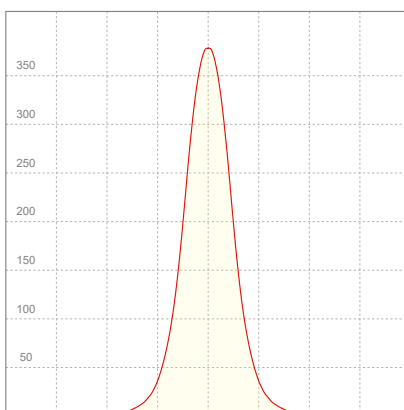
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46,4°	89°	126,5°	95,4%	86,3%



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	378lx	95lx	42lx	24lx	15lx	7lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	35fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,7m	2,6m	3,4m	4,3m	6,4m	8,6m	12,9m	17,2m	21,5m	25,7m	34,3m	42,9m
Beam wid.	2,8ft	5,7ft	8,4ft	11,2ft	14,1ft	21,1ft	28,1ft	42,2ft	56,3ft	70,4ft	84,4ft	112,6ft	140,7ft

LINEAR DISTRIBUTION DIAGRAM

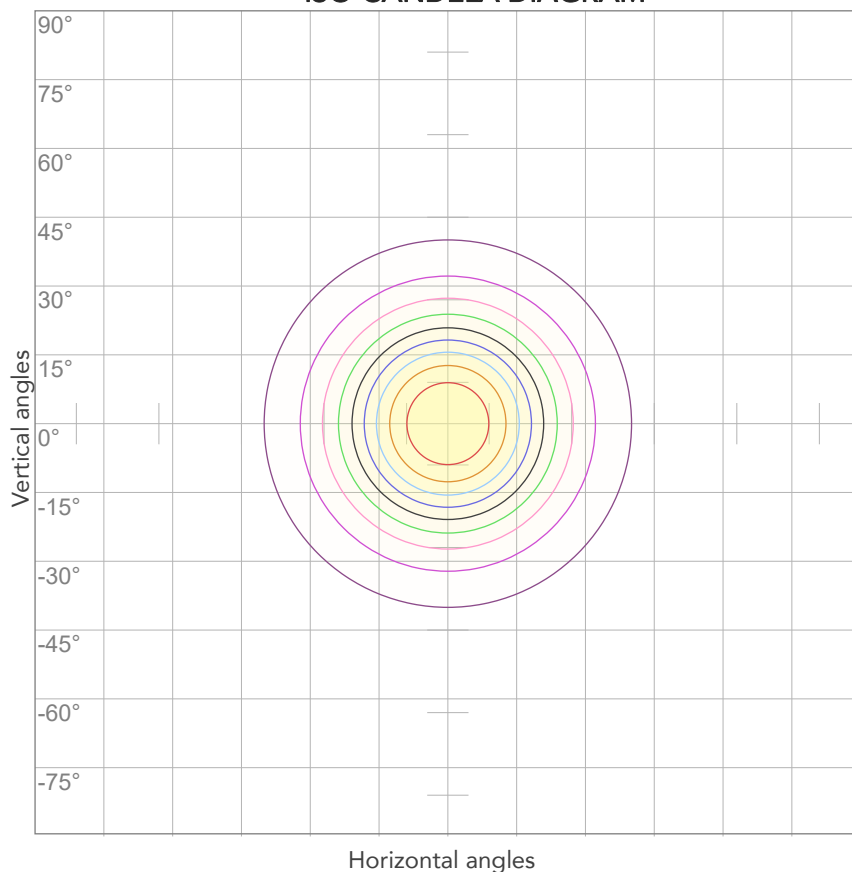


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,082A	10,8W	0,58	28lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



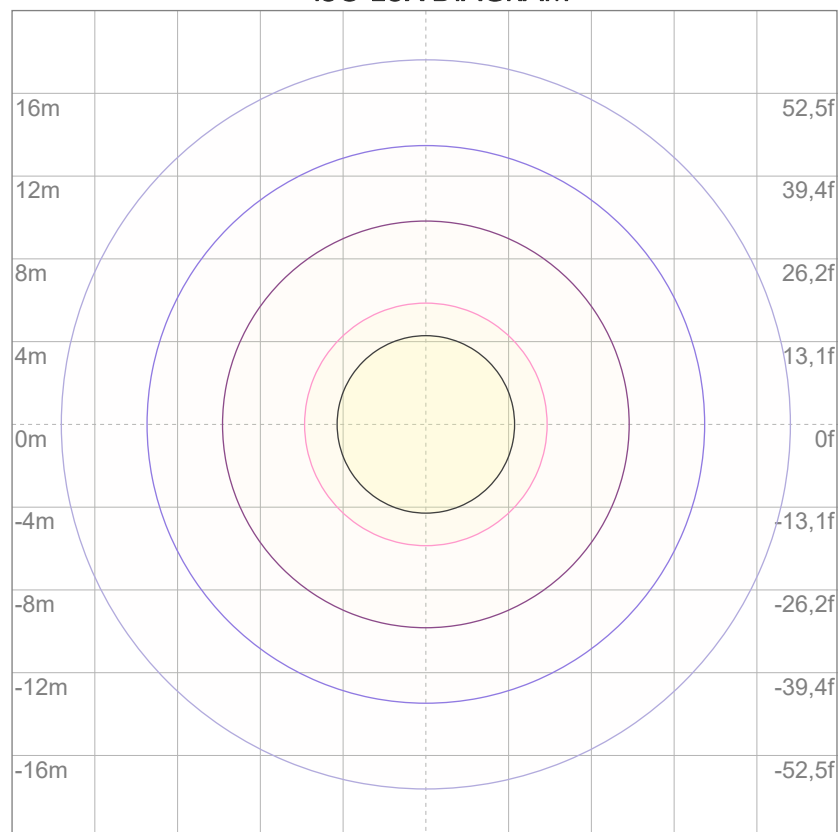
10%	38 cd
20%	76 cd
30%	113 cd
40%	151 cd
50%	189 cd
60%	227 cd
70%	265 cd
80%	303 cd

Conditions:

Number of c-planes: 2

Candela at center: 378 cd

ISO LUX DIAGRAM



3%	0,113 lx
5%	0,189 lx
10%	0,378 lx
30%	1,13 lx
50%	1,89 lx

Conditions:

Number of c-planes: 2

Lux at center: 3,78 lx

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



Total lumen output:

319 lm

Peak candela output:

295 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

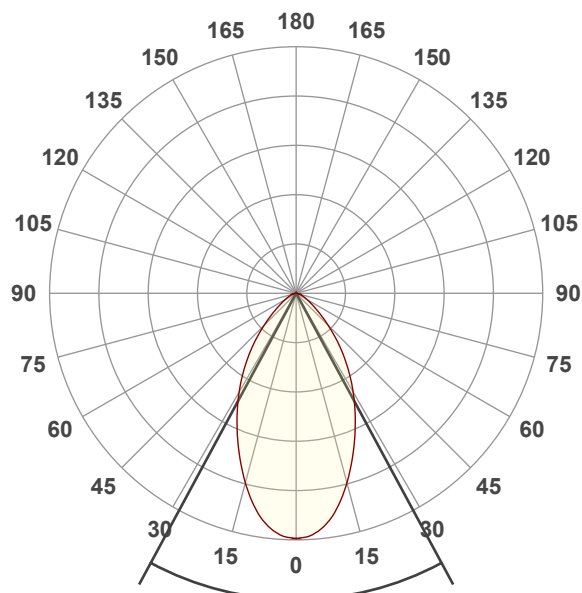
Red

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:20:48

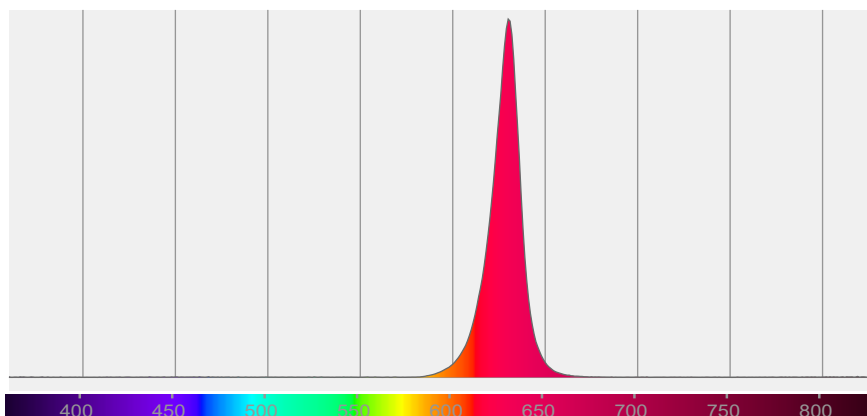


Beam angle 50%: 56,7°

Field angle 10%: 104,4°

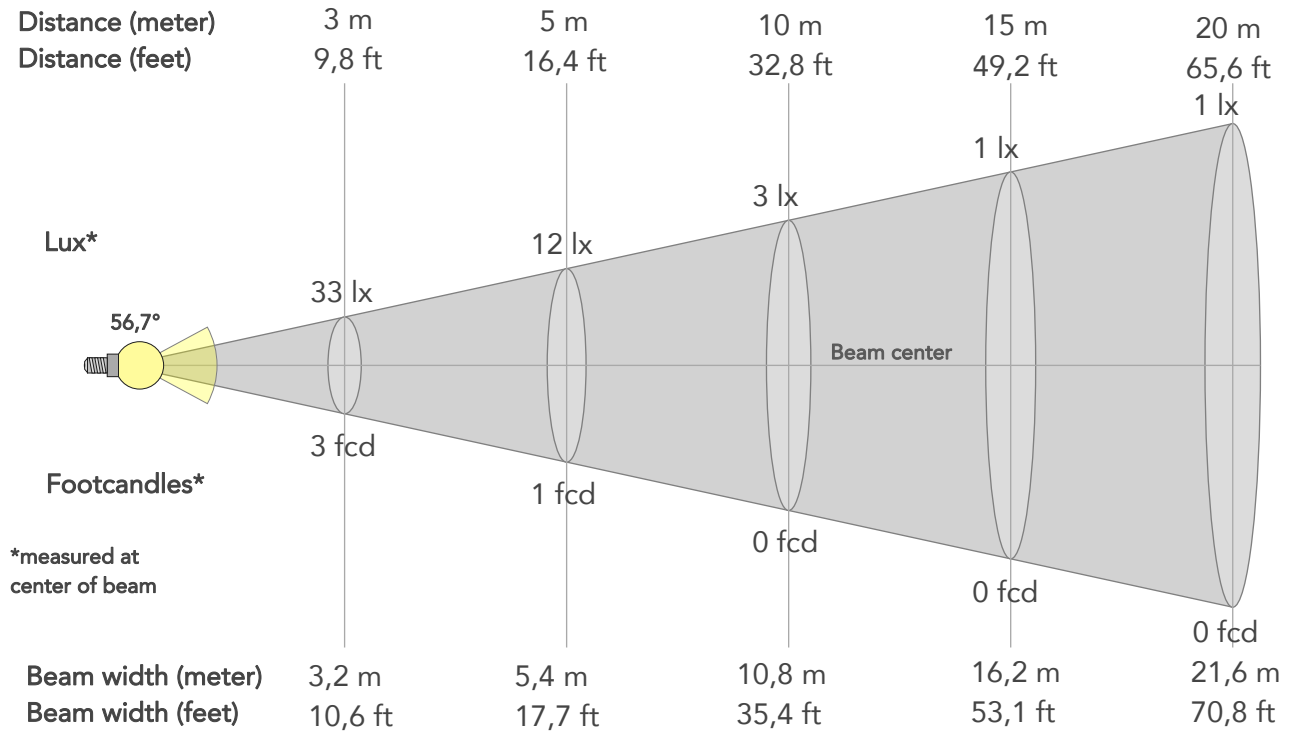
Cut off angle 2.5%: 138,6°

Spectra



BEAM DETAILS

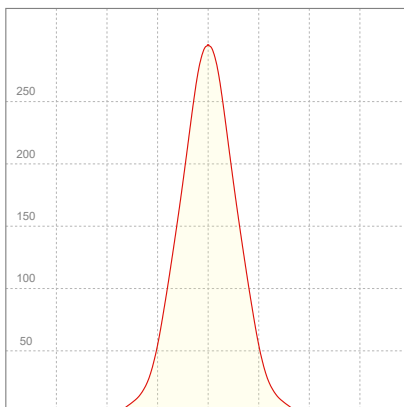
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,7°	104,4°	138,6°	94,3%	81,9%



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	295lx	74lx	33lx	18lx	12lx	5lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	27fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,6m	27m	32,4m	43,1m	53,9m
Beam wid.	3,6ft	7,1ft	10,6ft	14,1ft	17,7ft	26,5ft	35,4ft	53,1ft	70,8ft	88,4ft	106,1ft	141,5ft	176,9ft

LINEAR DISTRIBUTION DIAGRAM

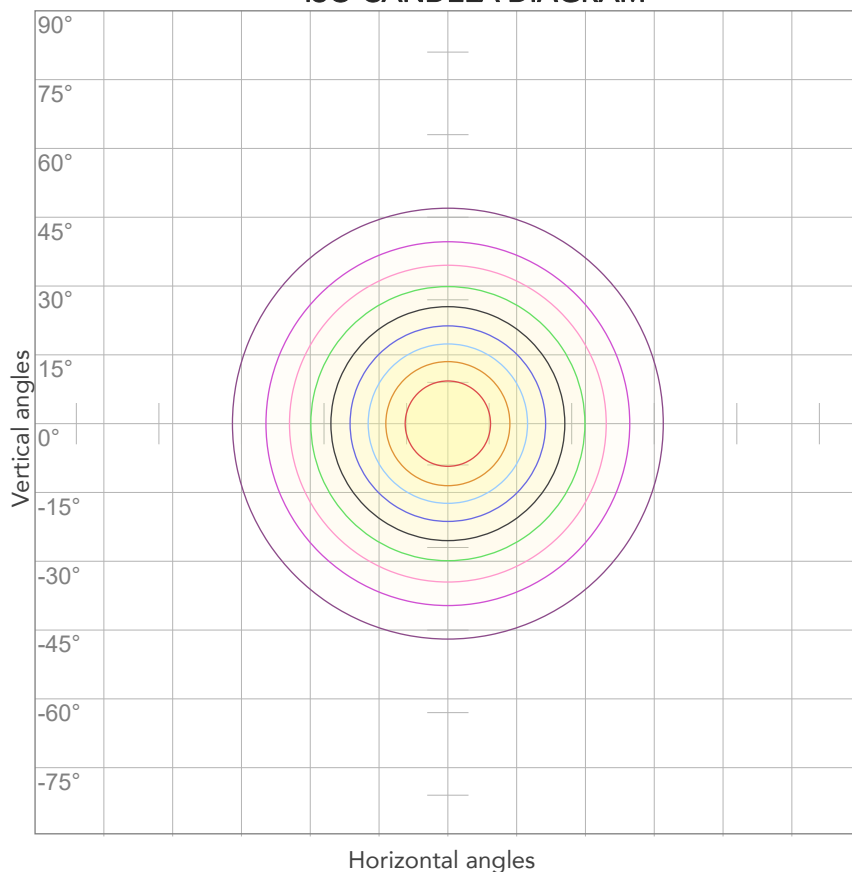


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,083A	10,9W	0,58	29lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



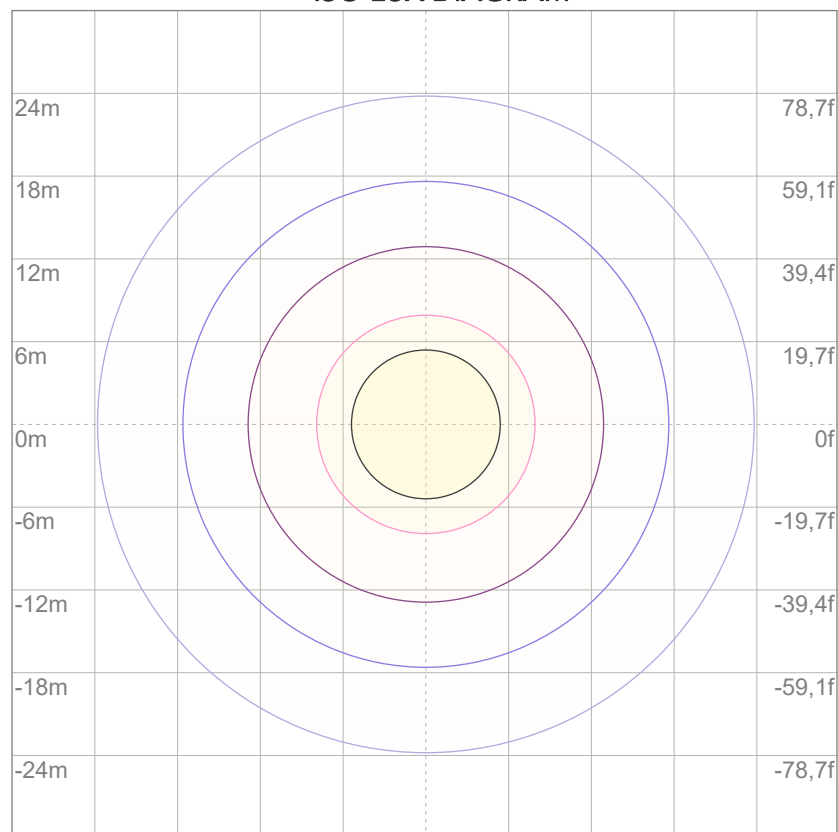
10%	30 cd
20%	59 cd
30%	89 cd
40%	118 cd
50%	148 cd
60%	177 cd
70%	207 cd
80%	236 cd

Conditions:

Number of c-planes: 2

Candela at center: 295 cd

ISO LUX DIAGRAM



3%	88,6m lx
5%	0,148 lx
10%	0,295 lx
30%	0,886 lx
50%	1,48 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,95 lx

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



Total lumen output:

359 lm

Peak candela output:

1033 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° +10°x 60° Filter

Target:

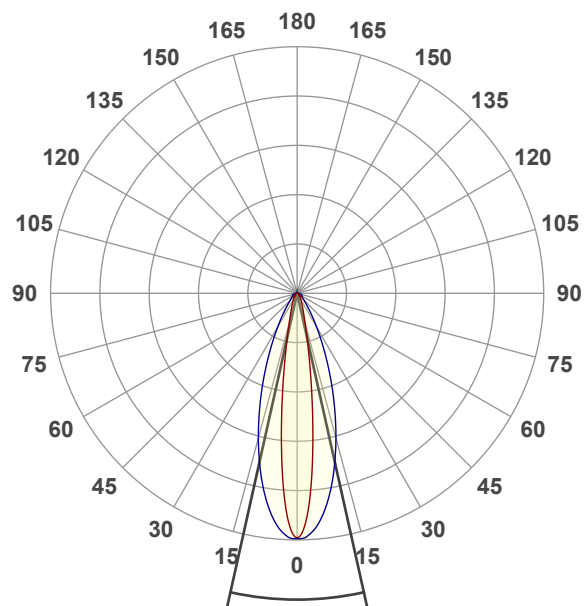
Red

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:38:09

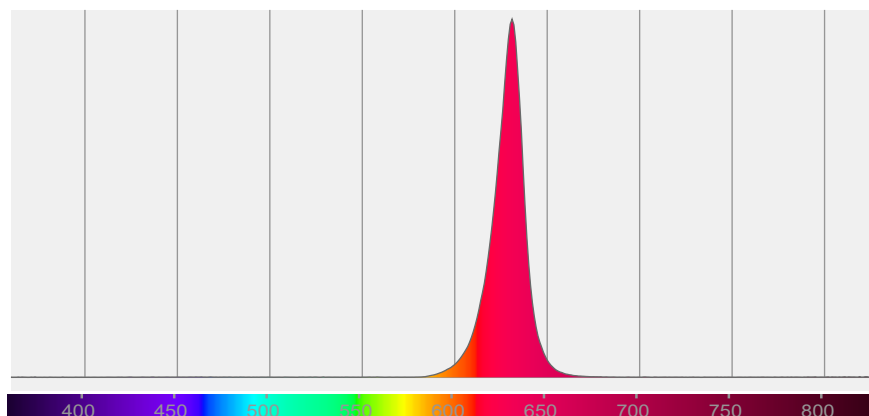


Beam angle 50%: 25,2°

Field angle 10%: 51°

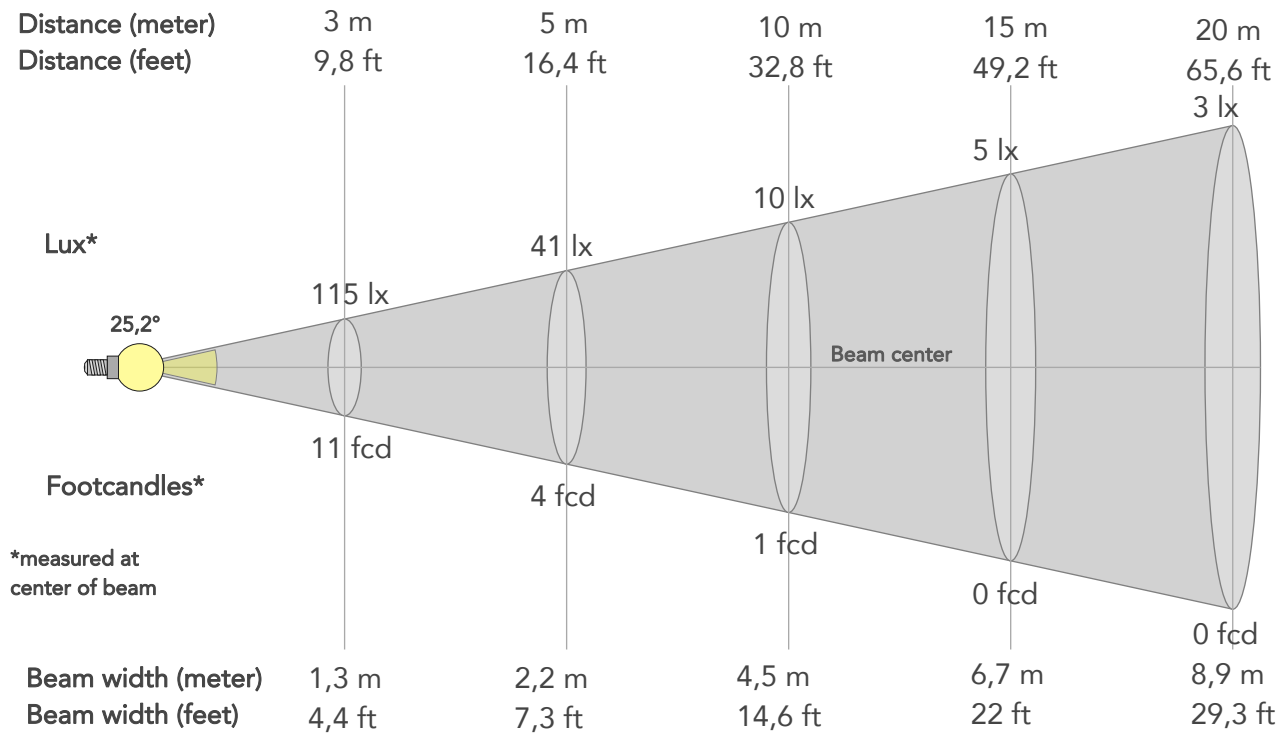
Cut off angle 2.5%: 88,2°

Spectra



BEAM DETAILS

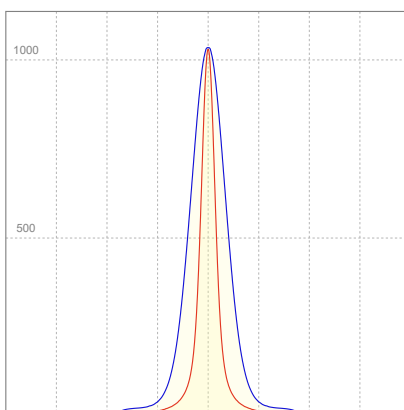
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25,2°	51°	88,2°	91,6%	84,4%



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	1031lx	258lx	115lx	64lx	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.	0,4m	0,9m	1,3m	1,8m	2,2m	3,3m	4,5m	6,7m	8,9m	11,2m	13,4m	17,9m	22,3m
Beam wid.	1,5ft	2,9ft	4,4ft	5,8ft	7,3ft	11ft	14,6ft	22ft	29,3ft	36,6ft	43,9ft	58,6ft	73,2ft

LINEAR DISTRIBUTION DIAGRAM

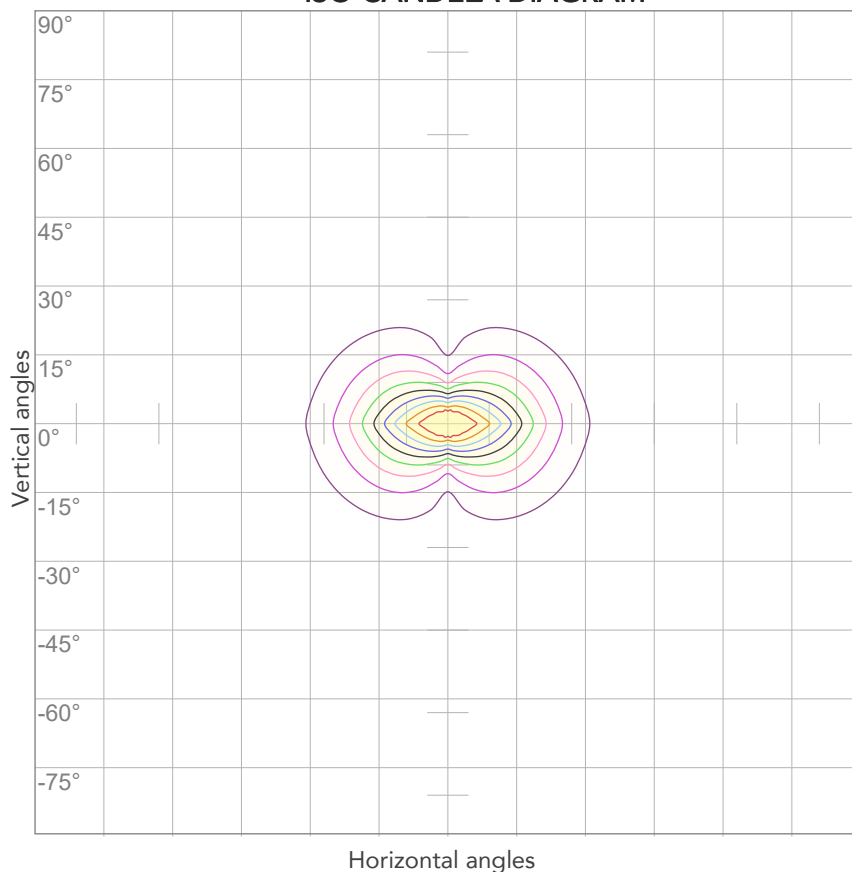


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,082A	10,8W	0,58	33lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



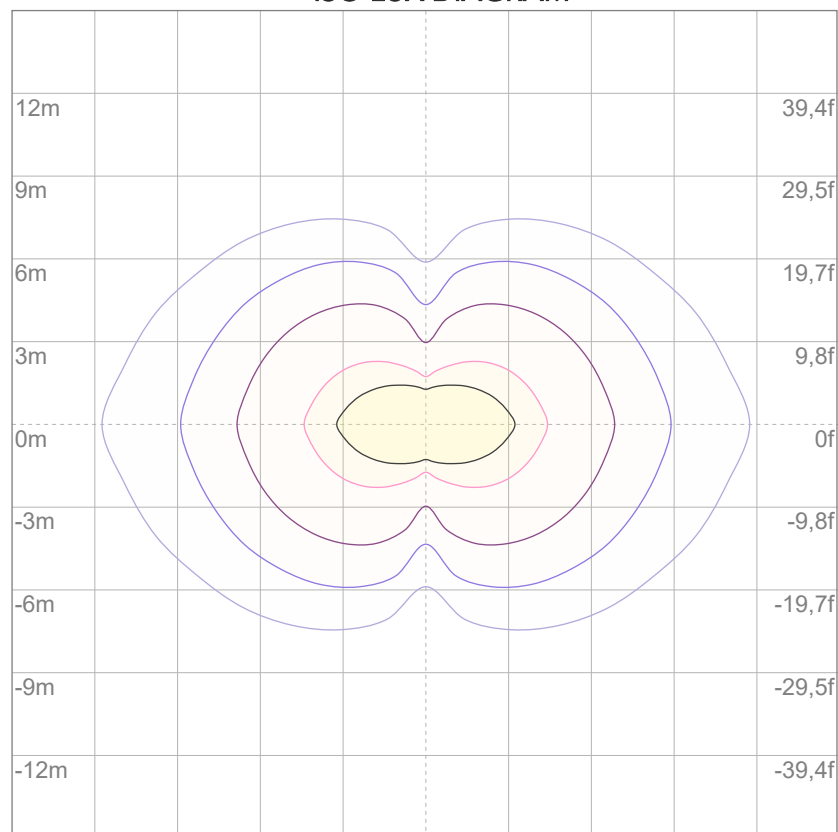
10%	103 cd
20%	206 cd
30%	309 cd
40%	412 cd
50%	515 cd
60%	618 cd
70%	721 cd
80%	825 cd

Conditions:

Number of c-planes: 4

Candela at center: 1031 cd

ISO LUX DIAGRAM



3%	0,309 lx
5%	0,515 lx
10%	1,03 lx
30%	3,09 lx
50%	5,15 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:

367 lm

Peak candela output:

527 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° +30°x 60° Filter

Target:

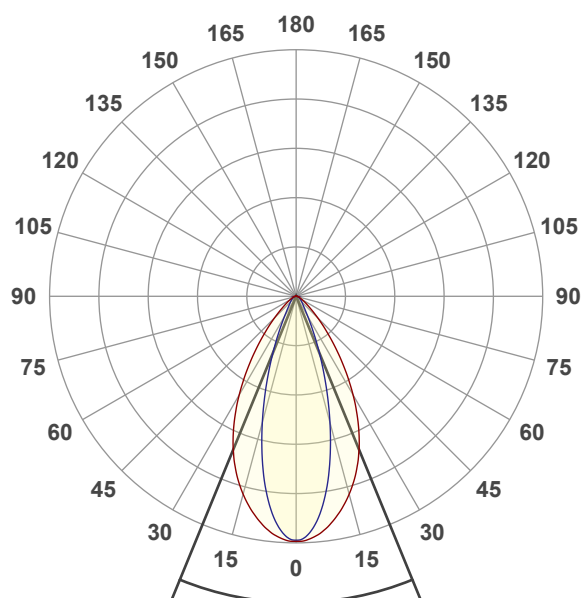
Red

Operator:

Giacomo Matteo

Date and time:

10/02/2024 09:05:47

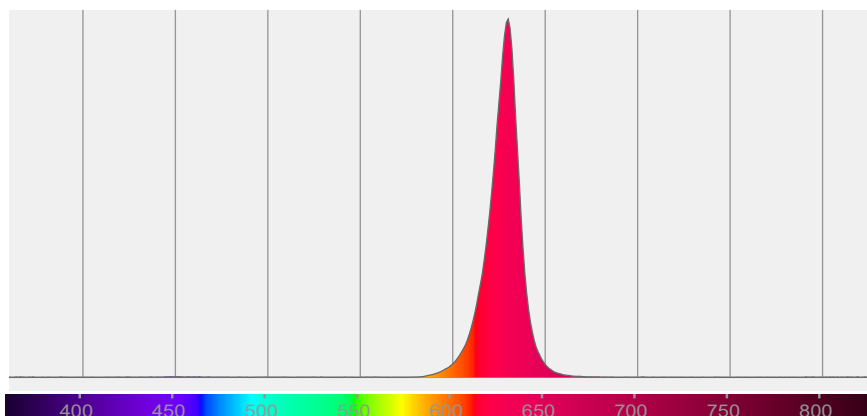


Beam angle 50%: 44,6°

Field angle 10%: 76,7°

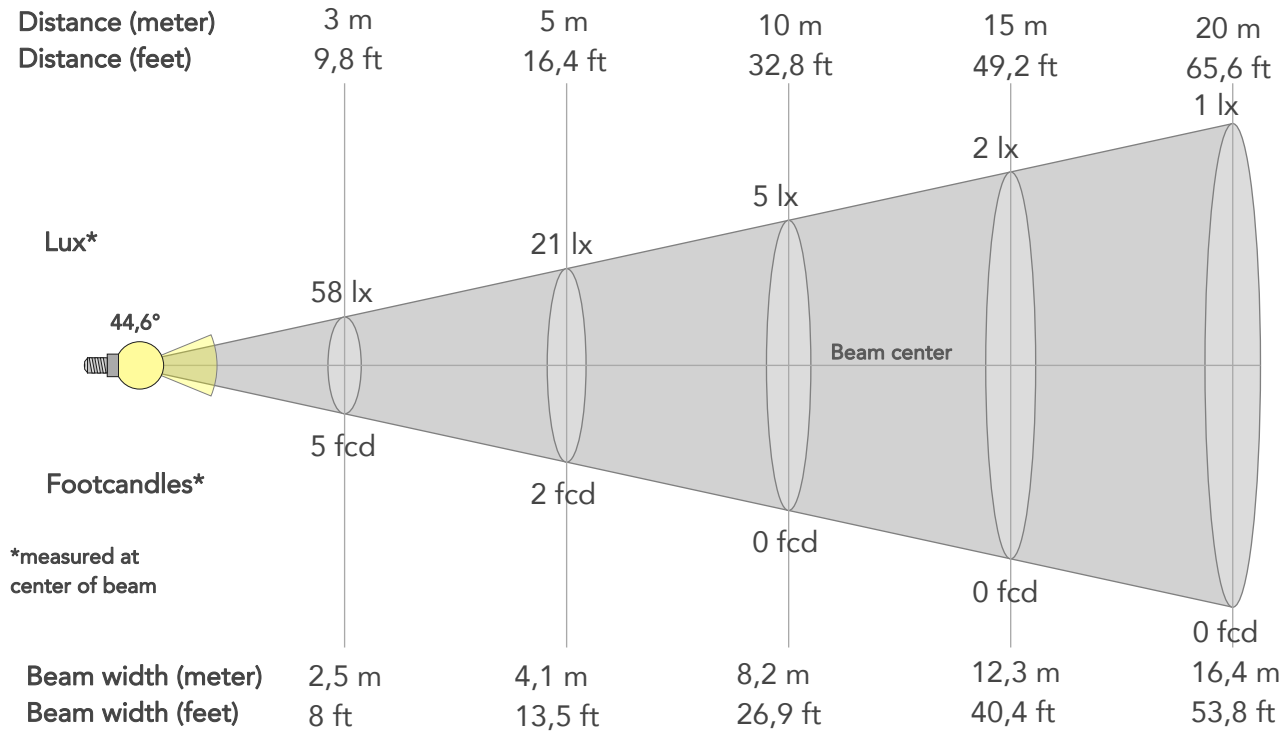
Cut off angle 2.5%: 113,2°

Spectra



BEAM DETAILS

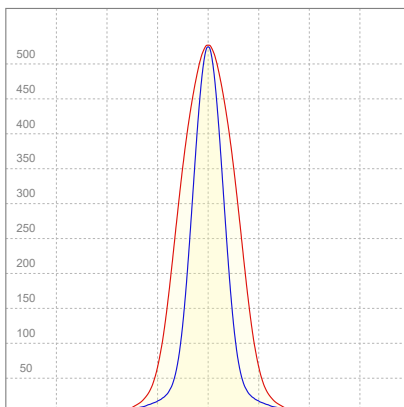
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,6°	76,7°	113,2°	96,2%	88,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	525lx	131lx	58lx	33lx	21lx	9lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	49fcd	12fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,4m	20,5m	24,6m	32,8m	41m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,5ft	20,2ft	26,9ft	40,4ft	53,8ft	67,3ft	80,7ft	107,7ft	134,6ft

LINEAR DISTRIBUTION DIAGRAM

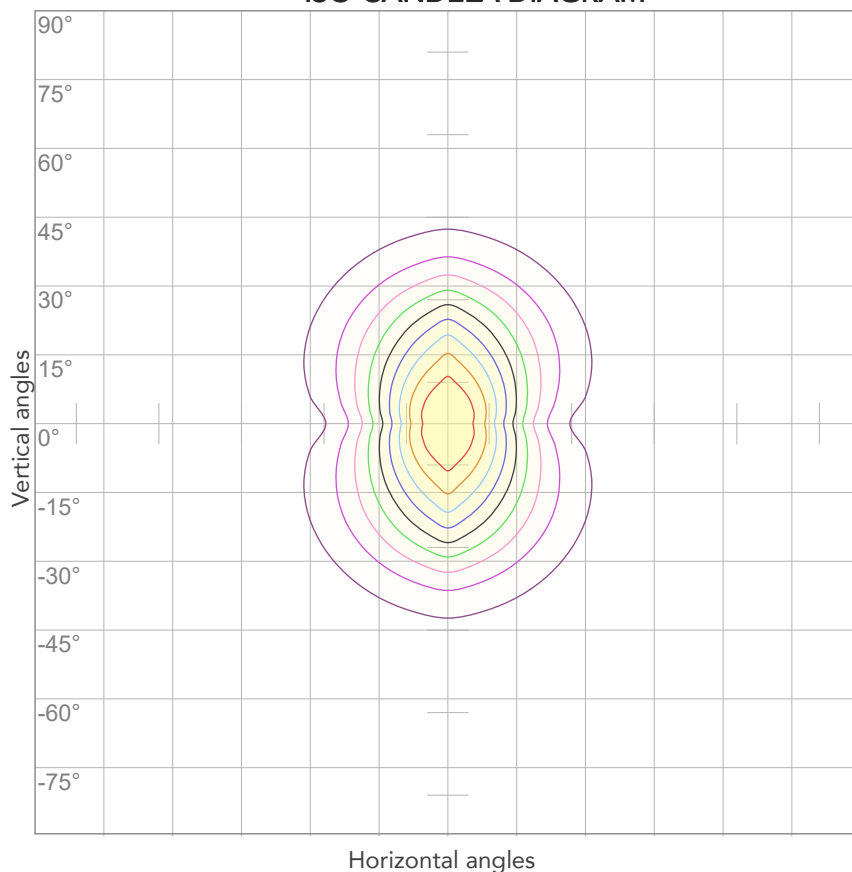


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,083A	10,9W	0,59	34lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



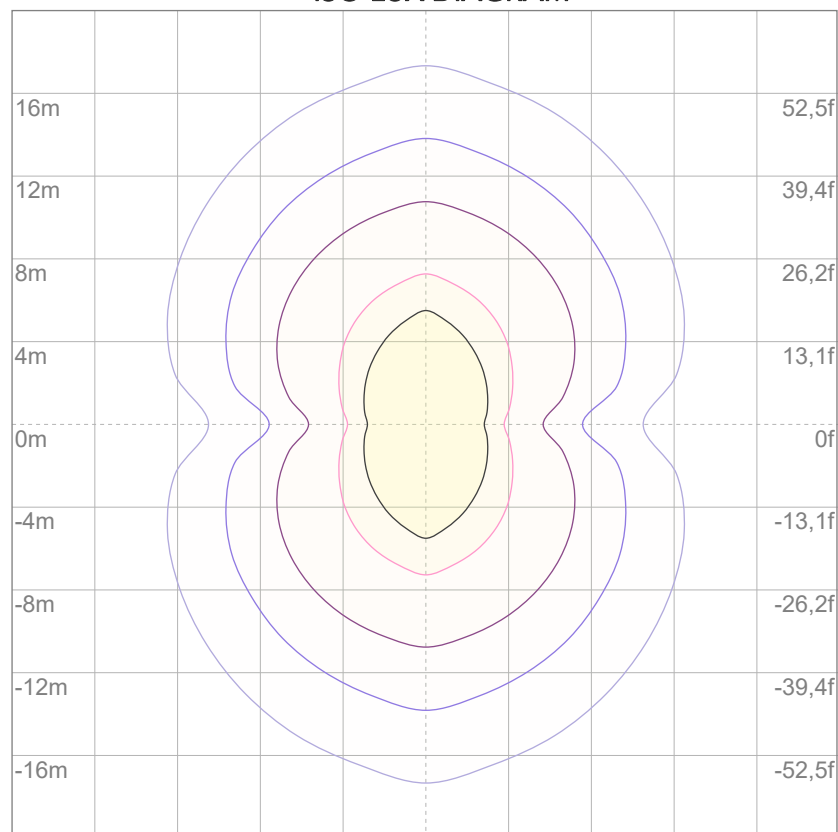
10%	53 cd
20%	105 cd
30%	158 cd
40%	210 cd
50%	263 cd
60%	315 cd
70%	368 cd
80%	420 cd

Conditions:

Number of c-planes: 4

Candela at center: 525 cd

ISO LUX DIAGRAM



3%	0,158 lx
5%	0,263 lx
10%	0,525 lx
30%	1,58 lx
50%	2,63 lx

Conditions:

Number of c-planes: 4

Lux at center: 5,25 lx

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



Total lumen output:

847 lm

Peak candela output:

15223 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

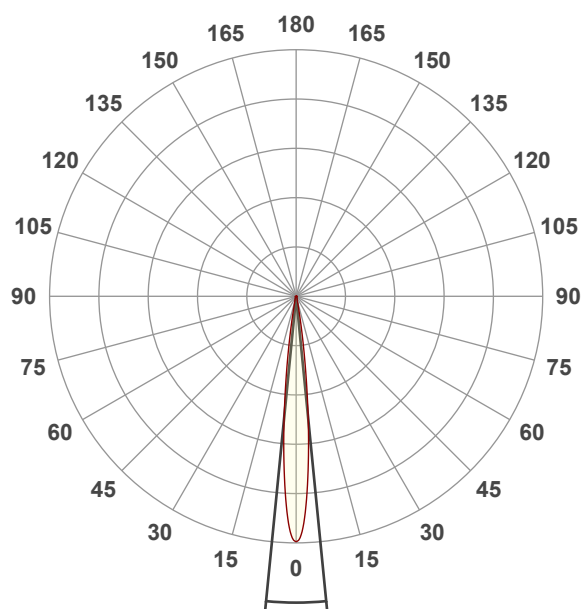
Green

Operator:

Giacomo Matteo

Date and time:

09/02/2024 12:58:48

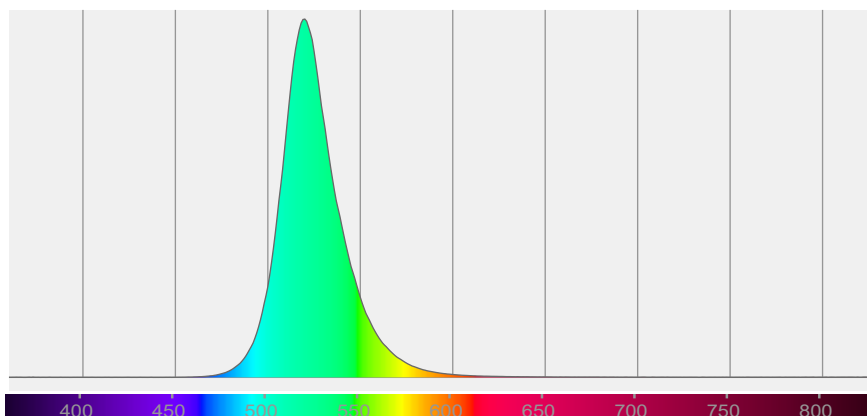


Beam angle 50%: 11,3°

Field angle 10%: 19,9°

Cut off angle 2.5%: 27,7°

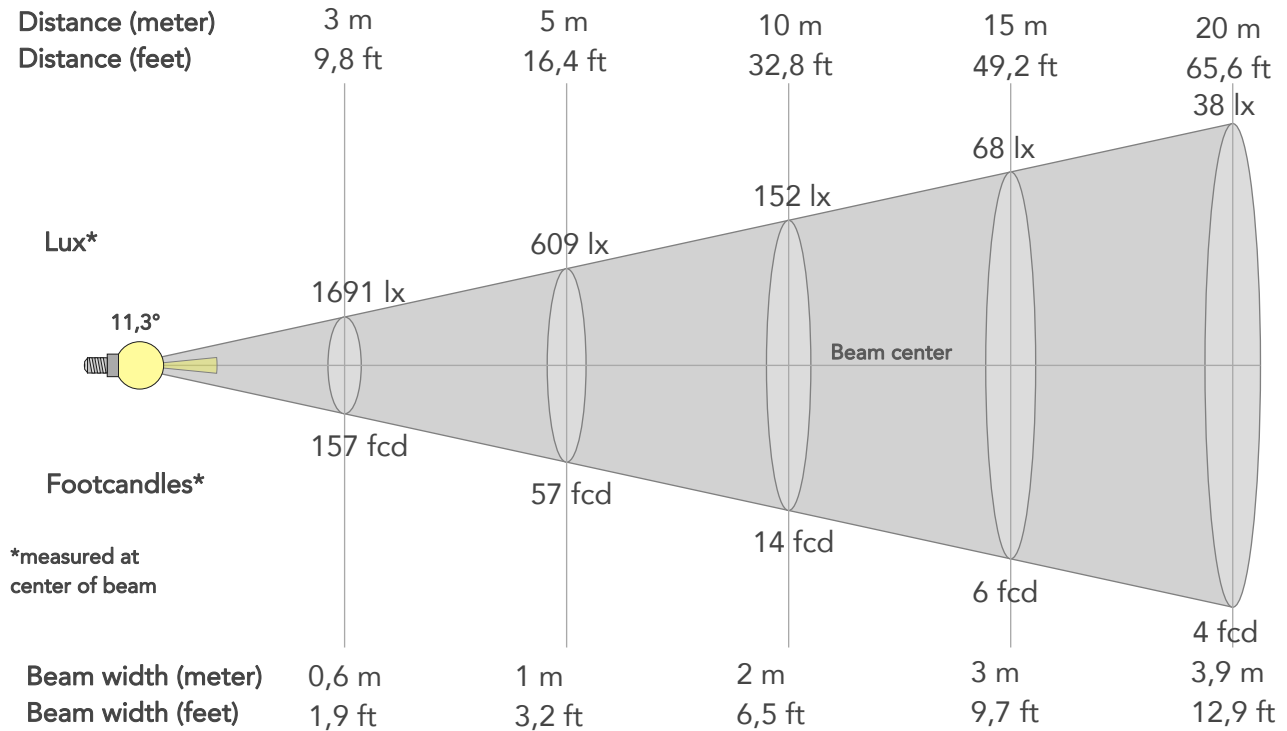
Spectra



BEAM DETAILS



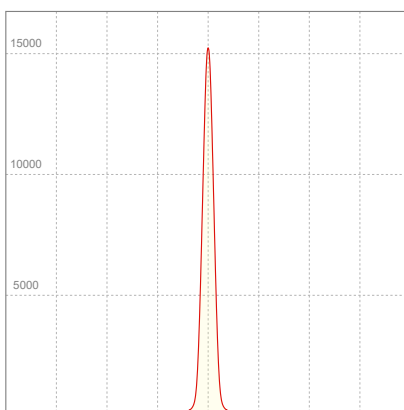
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,3°	19,9°	27,7°	97,2%	94,2%



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	15223lx	3806lx	1691lx	951lx	609lx	271lx	152lx	68lx	38lx	24lx	17lx	10lx	6lx
Footcand.	1414fcd	354fcd	157fcd	88fcd	57fcd	25fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	3m	3,9m	4,9m	5,9m	7,9m	9,9m
Beam wid.	0,7ft	1,3ft	1,9ft	2,6ft	3,2ft	4,9ft	6,5ft	9,7ft	12,9ft	16,2ft	19,4ft	25,9ft	32,4ft

LINEAR DISTRIBUTION DIAGRAM

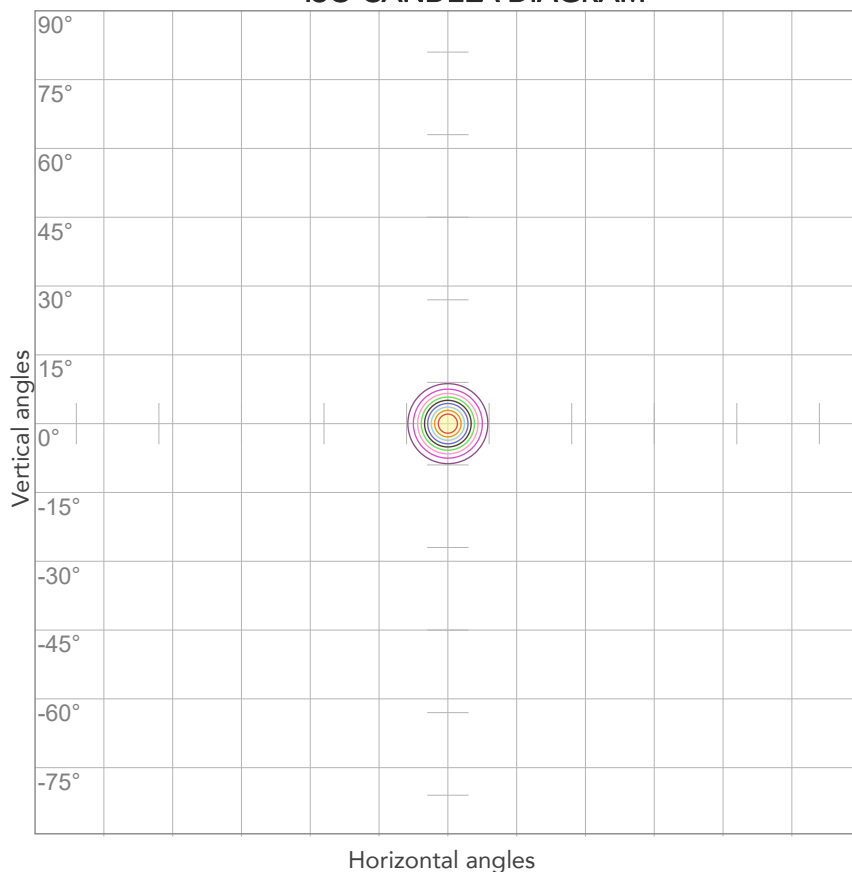


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,089A	13,6W	0,68	62lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



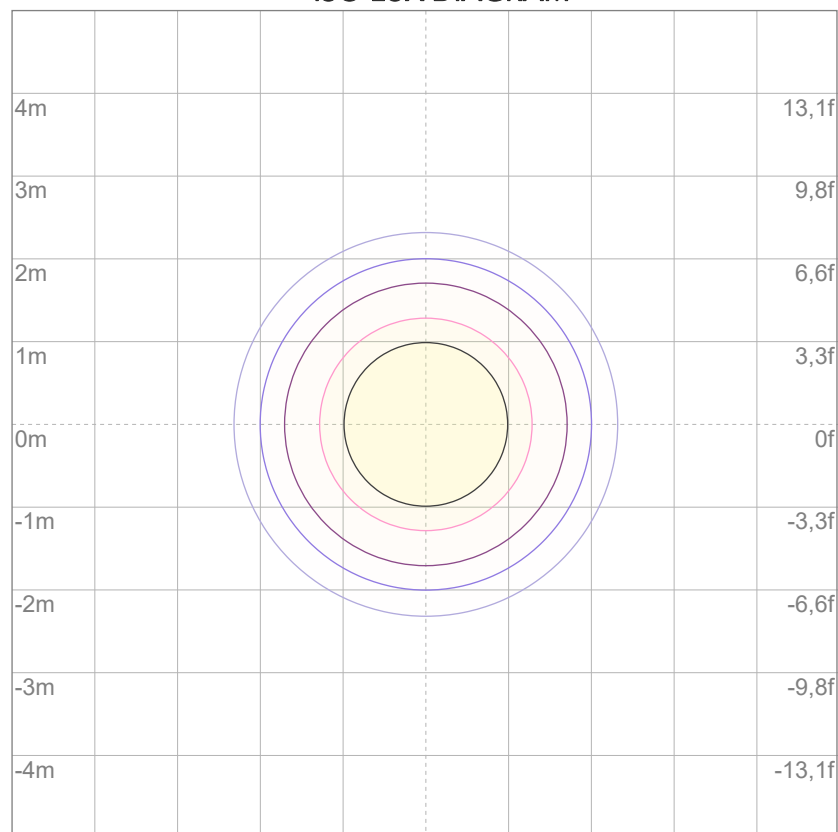
10%	1522 cd
20%	3045 cd
30%	4567 cd
40%	6089 cd
50%	7612 cd
60%	9134 cd
70%	10656 cd
80%	12179 cd

Conditions:

Number of c-planes: 2

Candela at center: 15223 cd

ISO LUX DIAGRAM



3%	4,57 lx
5%	7,61 lx
10%	15,2 lx
30%	45,7 lx
50%	76,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 152 lx

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



Total lumen output:

813 lm

Peak candela output:

3219 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

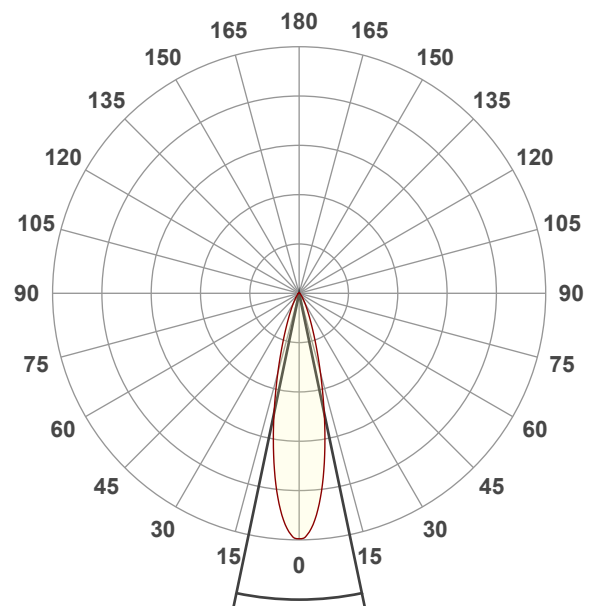
Green

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:12:17

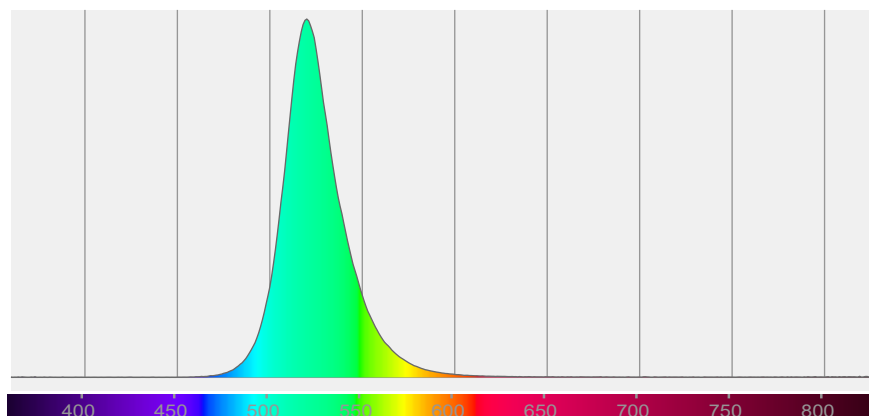


Beam angle 50%: 23,6°

Field angle 10%: 47,7°

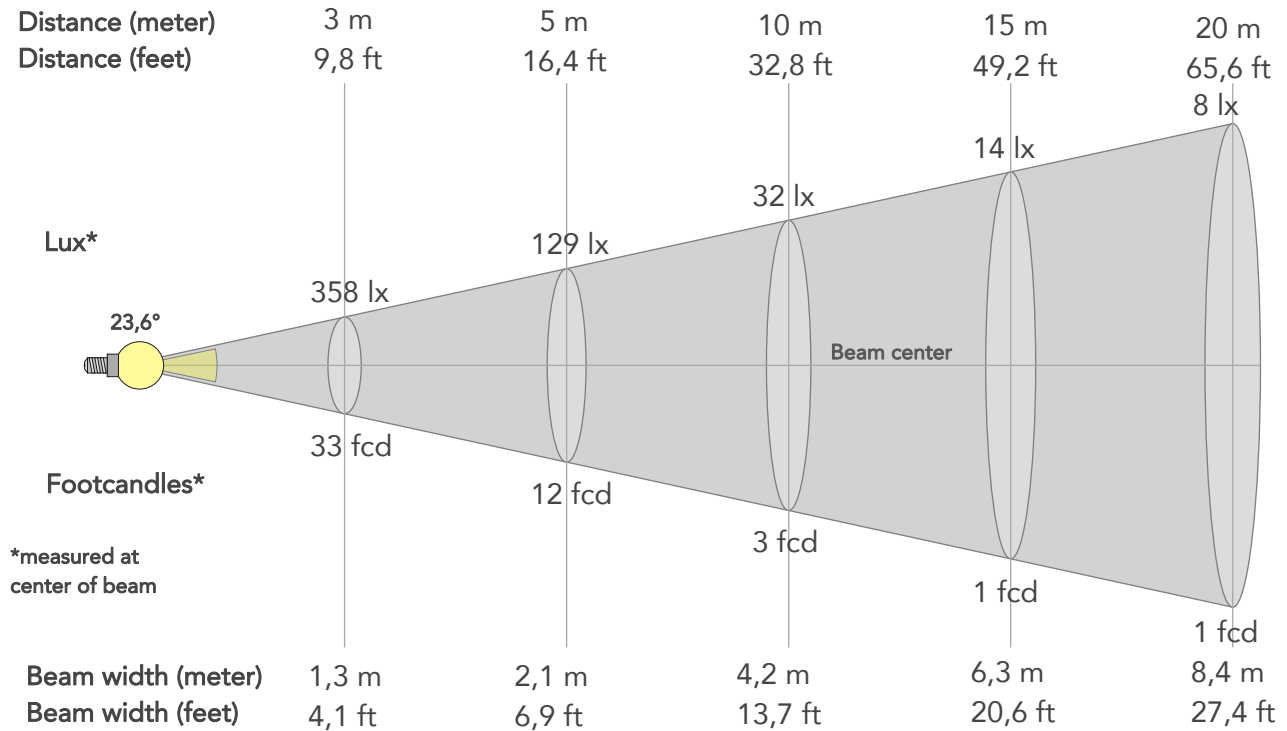
Cut off angle 2.5%: 72°

Spectra



BEAM DETAILS

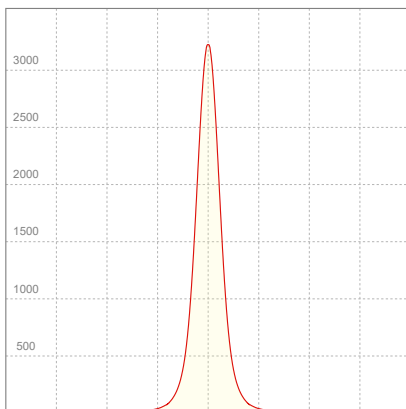
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,6°	47,7°	72°	96,9%	92,7%



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	3219lx	805lx	358lx	201lx	129lx	57lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	299fcd	75fcd	33fcd	19fcd	12fcd	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	8,4m	10,5m	12,6m	16,7m	20,9m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,9ft	10,3ft	13,7ft	20,6ft	27,4ft	34,3ft	41,2ft	54,9ft	68,6ft

LINEAR DISTRIBUTION DIAGRAM

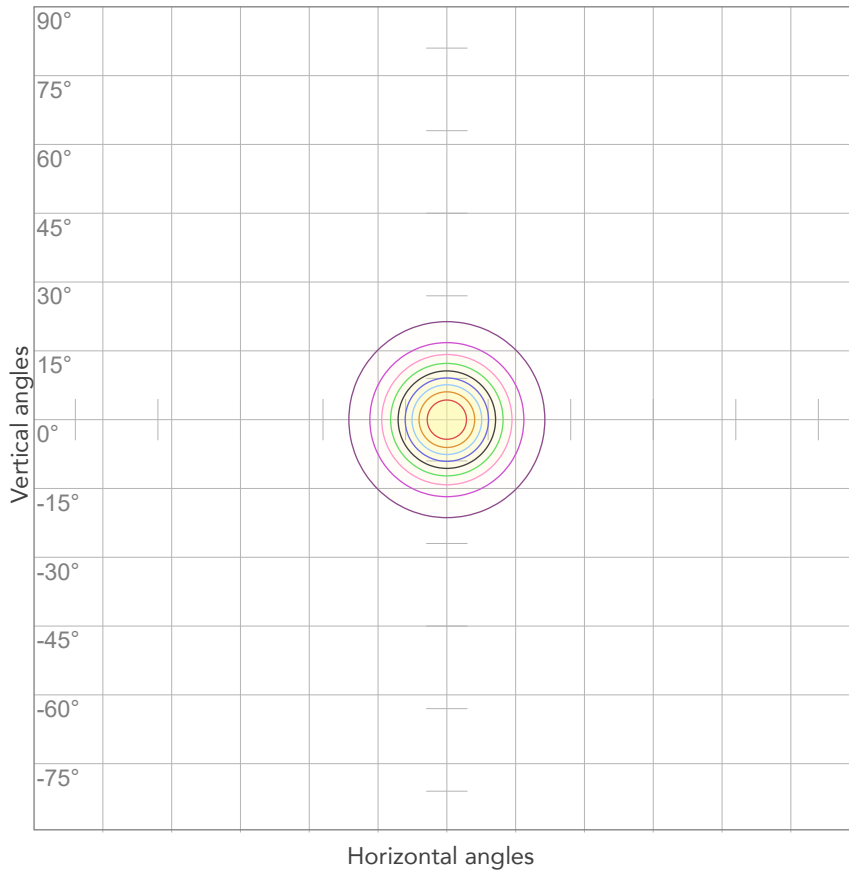


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,089A	13,6W	0,68	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



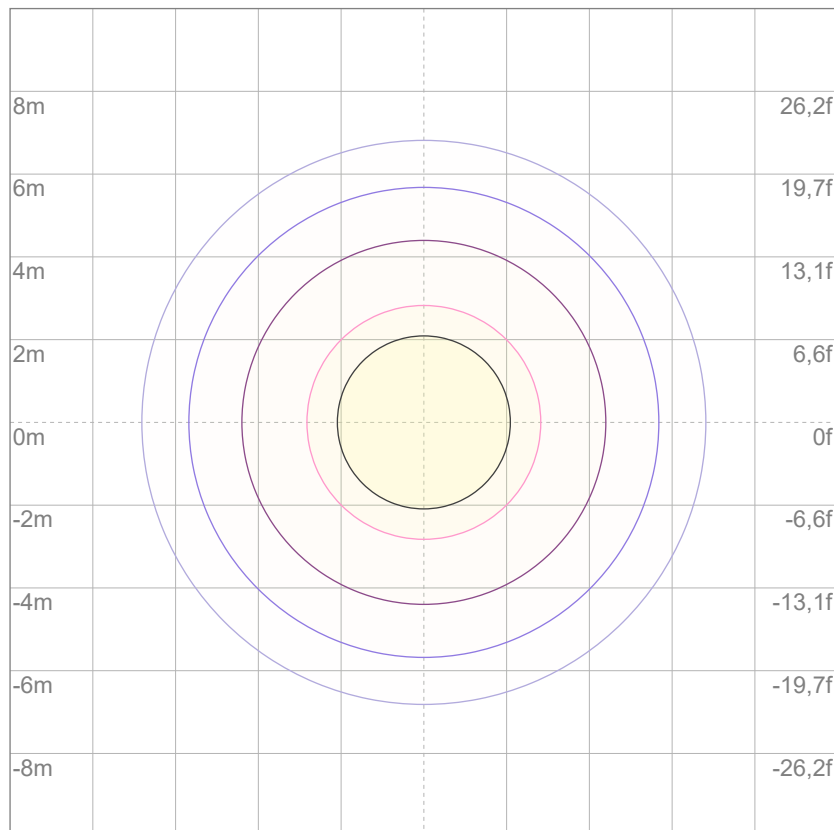
10%	322 cd
20%	644 cd
30%	966 cd
40%	1288 cd
50%	1609 cd
60%	1931 cd
70%	2253 cd
80%	2575 cd

Conditions:

Number of c-planes: 2

Candela at center: 3219 cd

ISO LUX DIAGRAM



3%	0,966 lx
5%	1,61 lx
10%	3,22 lx
30%	9,66 lx
50%	16,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 32,2 lx

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



Total lumen output:

755 lm

Peak candela output:

942 cd

PRODUCT NAME:

ARCSPOTSFC

MEASUREMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

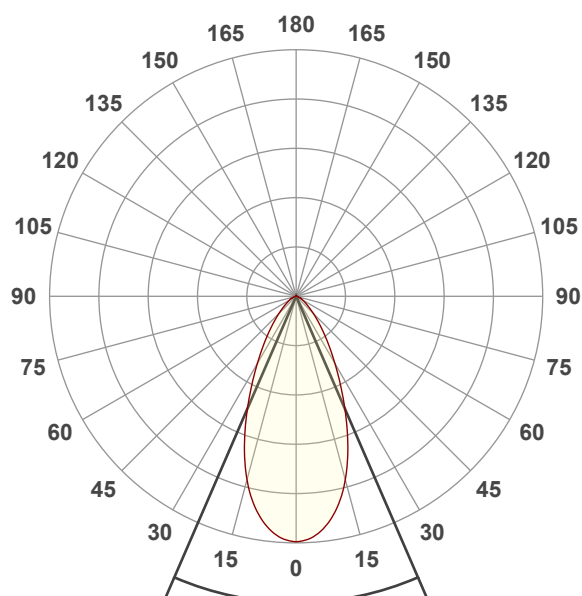
Green

Operator:

Giacomo Matteo

Date and time:

09/02/2024 13:30:05

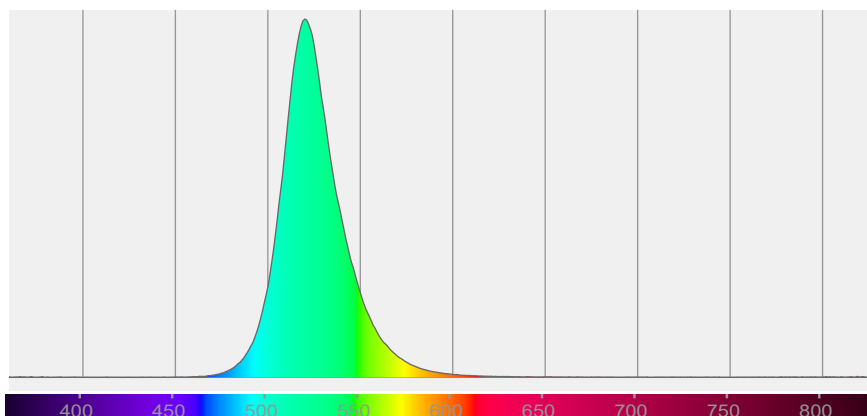


Beam angle 50%: 46,9°

Field angle 10%: 90°

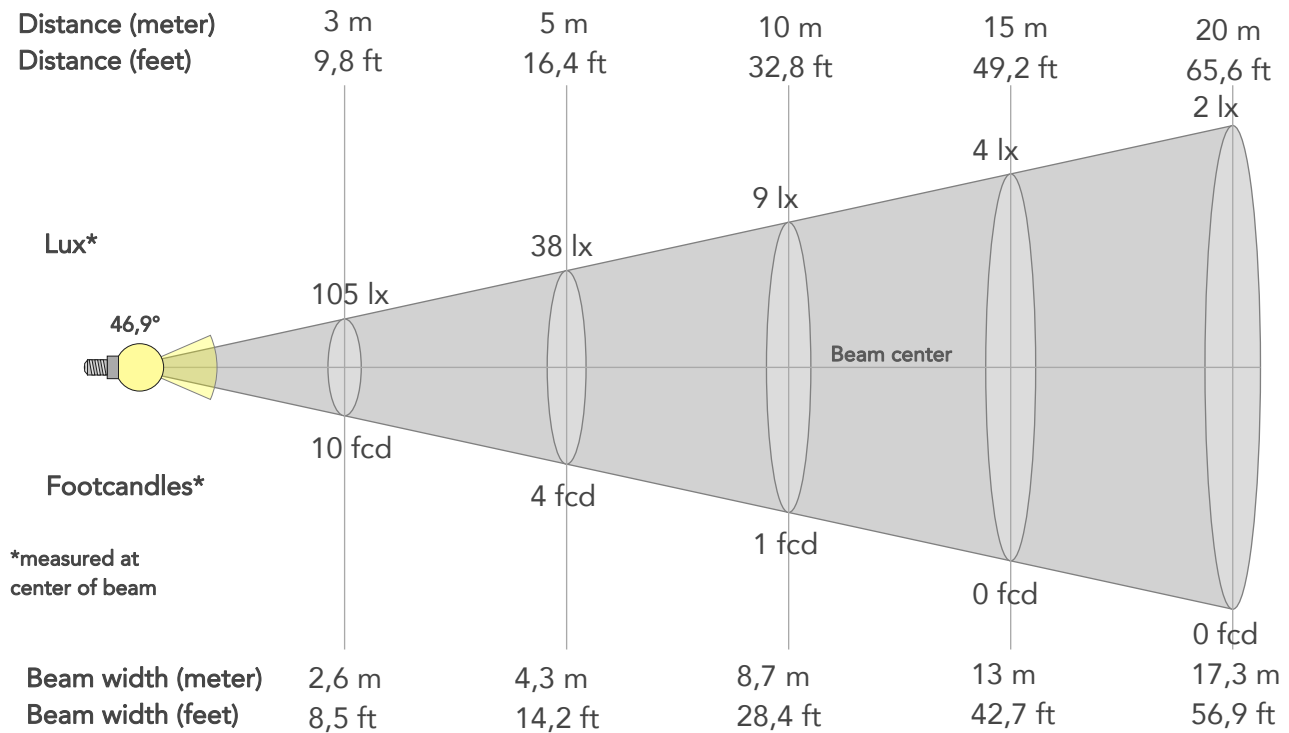
Cut off angle 2.5%: 125,9°

Spectra



BEAM DETAILS

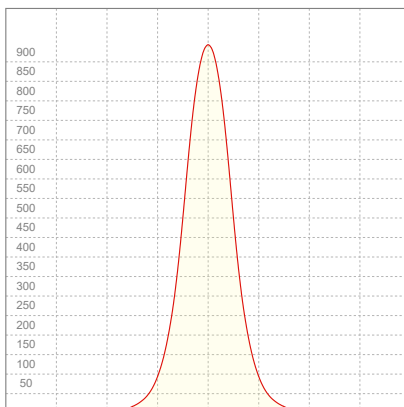
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46,9°	90°	125,9°	95,9%	86,7%



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	942lx	236lx	105lx	59lx	38lx	17lx	9lx	4lx	2lx	2lx	1lx	1lx	0lx
Footcand.	88fcd	22fcd	10fcd	5fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,7m	2,6m	3,5m	4,3m	6,5m	8,7m	13m	17,3m	21,7m	26m	34,7m	43,3m
Beam wid.	2,9ft	5,7ft	8,5ft	11,4ft	14,2ft	21,3ft	28,4ft	42,7ft	56,9ft	71,1ft	85,3ft	113,7ft	142,2ft

LINEAR DISTRIBUTION DIAGRAM

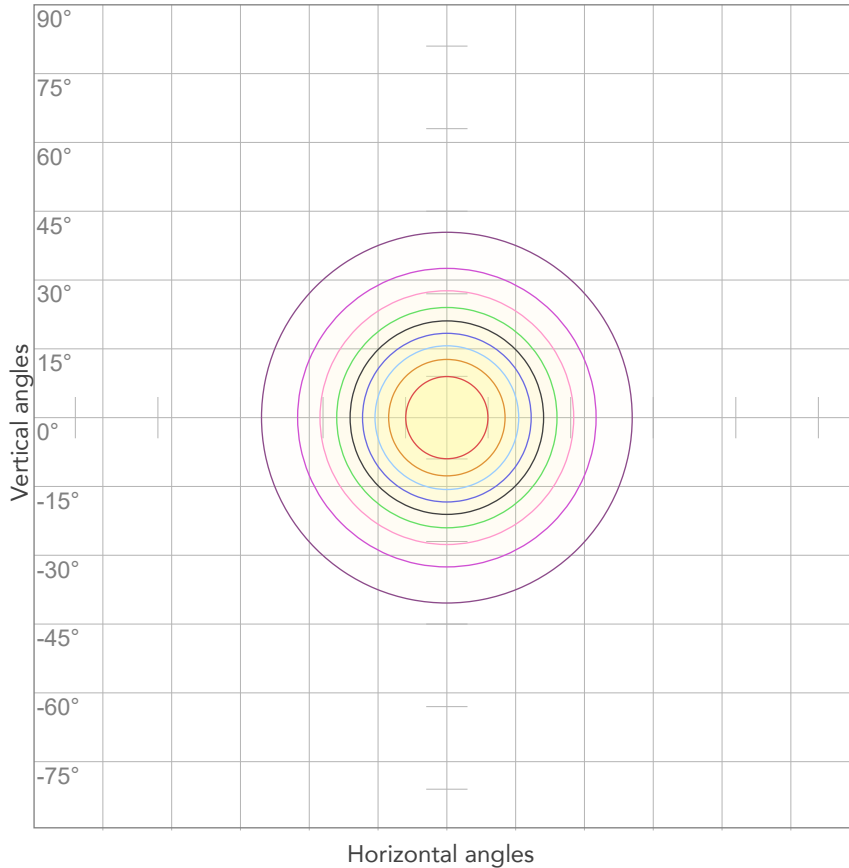


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,088A	13,4W	0,67	56lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



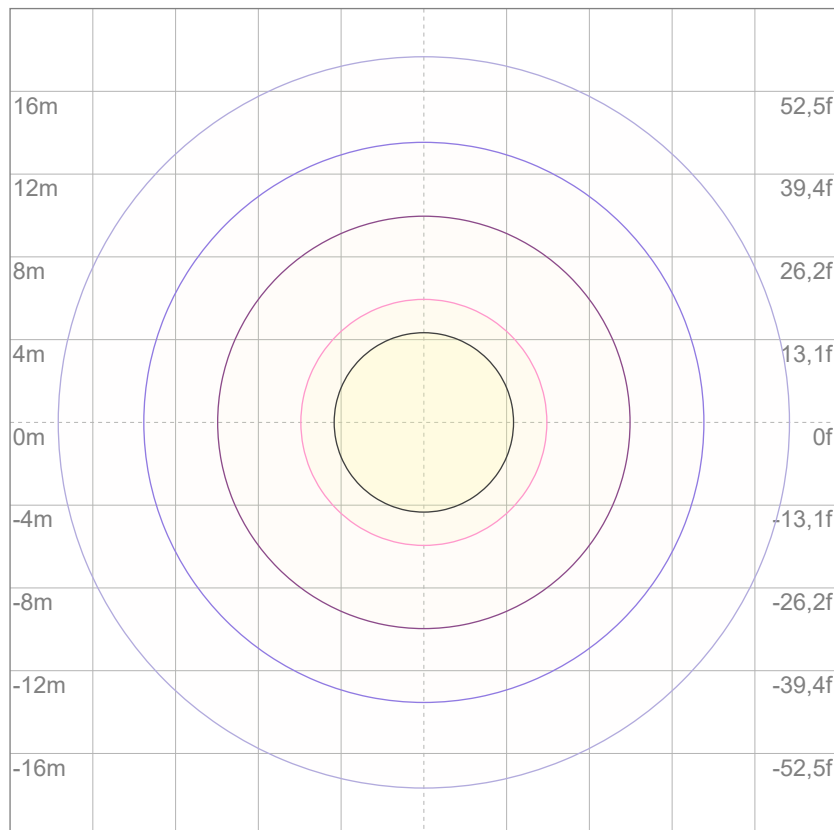
10%	94 cd
20%	188 cd
30%	283 cd
40%	377 cd
50%	471 cd
60%	565 cd
70%	660 cd
80%	754 cd

Conditions:

Number of c-planes: 2

Candela at center: 942 cd

ISO LUX DIAGRAM



3%	0,283 lx
5%	0,471 lx
10%	0,942 lx
30%	2,83 lx
50%	4,71 lx

Conditions:

Number of c-planes: 2

Lux at center: 9,42 lx

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



Total lumen output:

767 lm

Peak candela output:

701 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

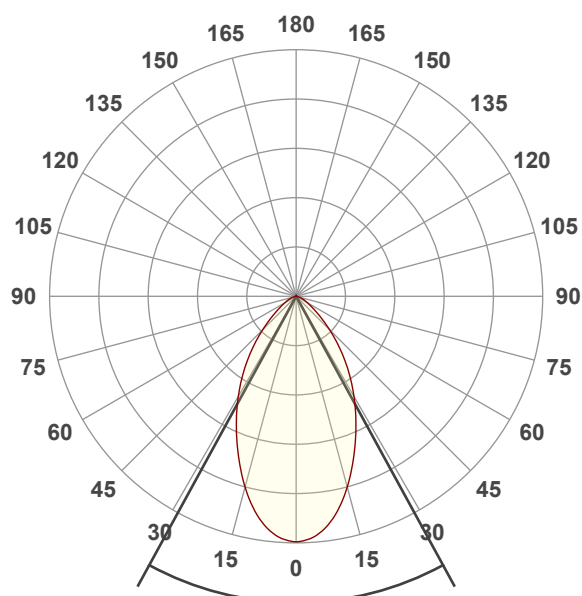
Green

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:22:52

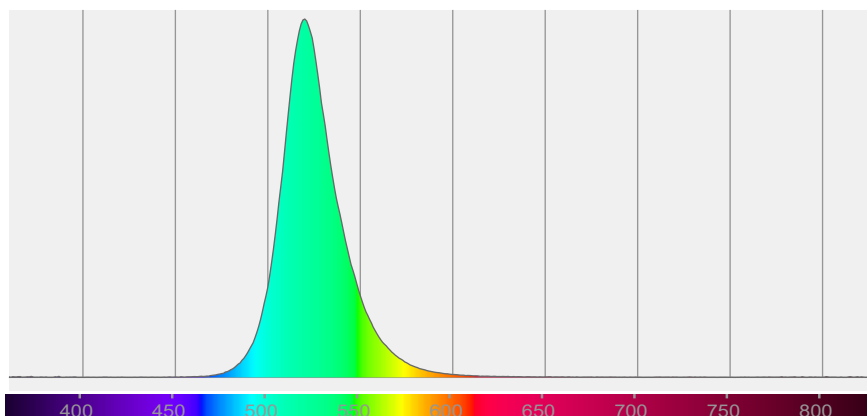


Beam angle 50%: 57,3°

Field angle 10%: 105,5°

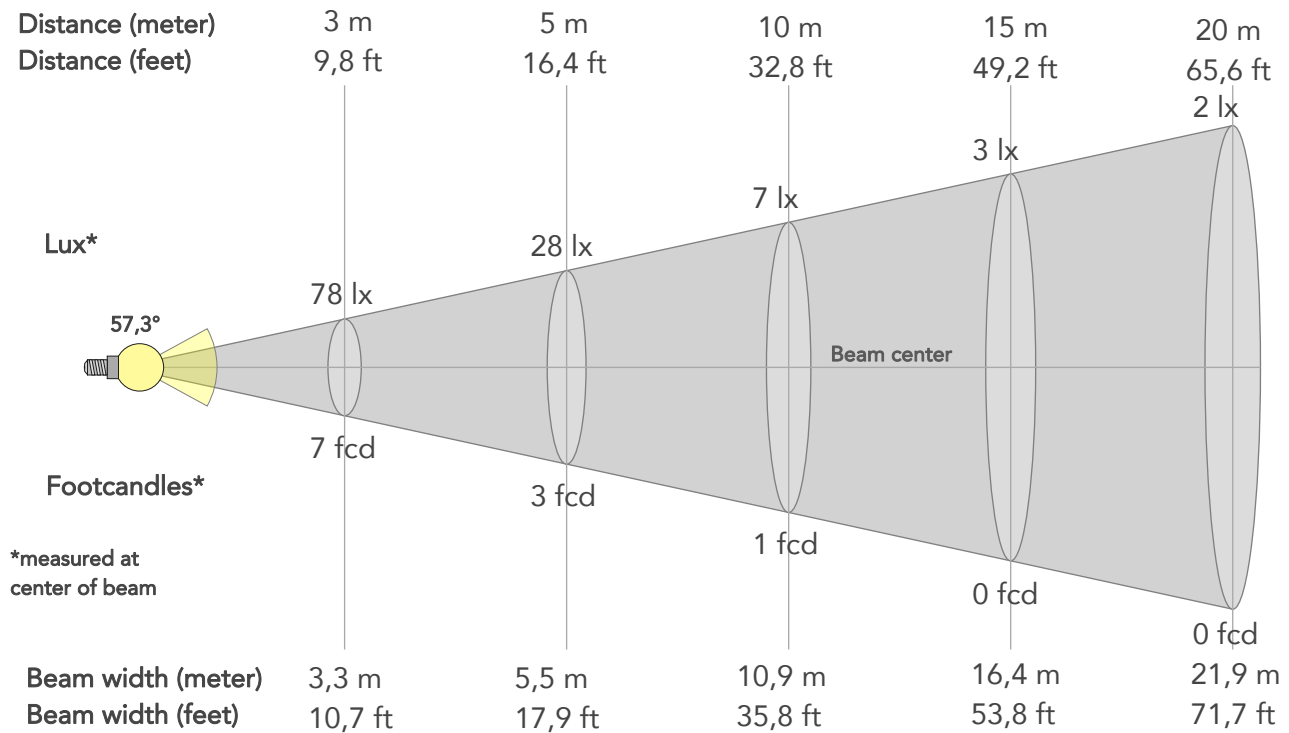
Cut off angle 2.5%: 138,6°

Spectra



BEAM DETAILS

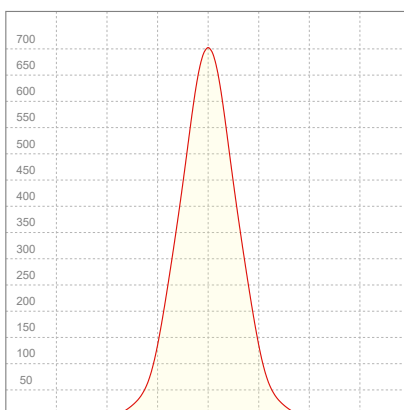
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,3°	105,5°	138,6°	94,8%	82,1%



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	701lx	175lx	78lx	44lx	28lx	12lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	65fcd	16fcd	7fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,9m	27,3m	32,8m	43,7m	54,6m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,9ft	35,8ft	53,8ft	71,7ft	89,6ft	107,5ft	143,4ft	179,2ft

LINEAR DISTRIBUTION DIAGRAM

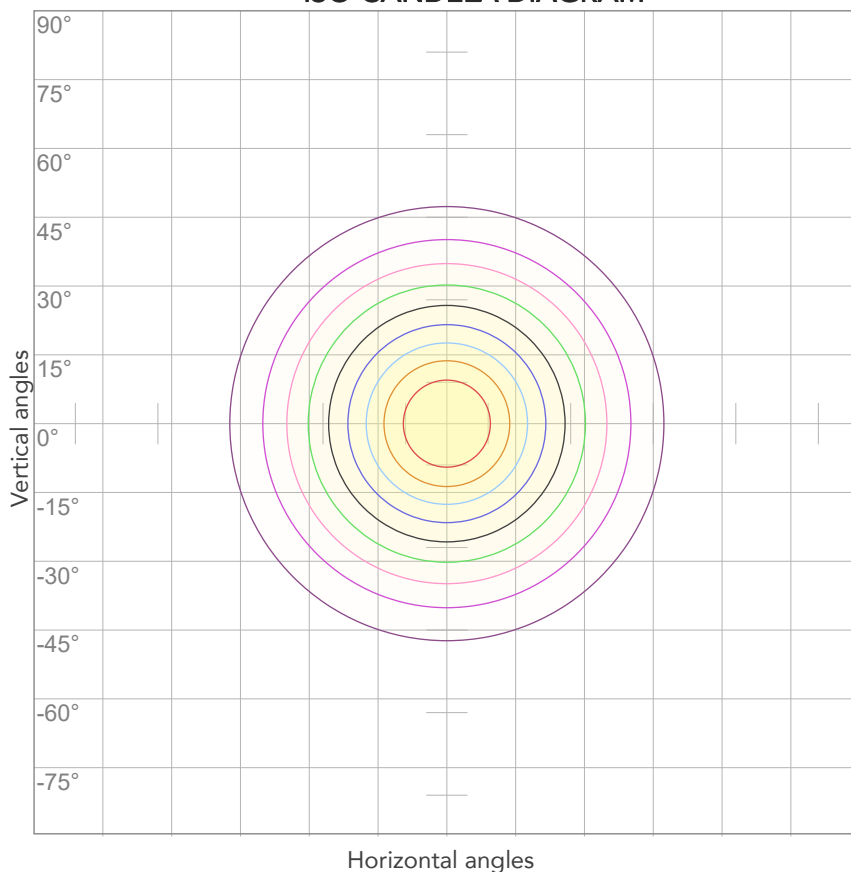


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,088A	13,6W	0,67	56lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



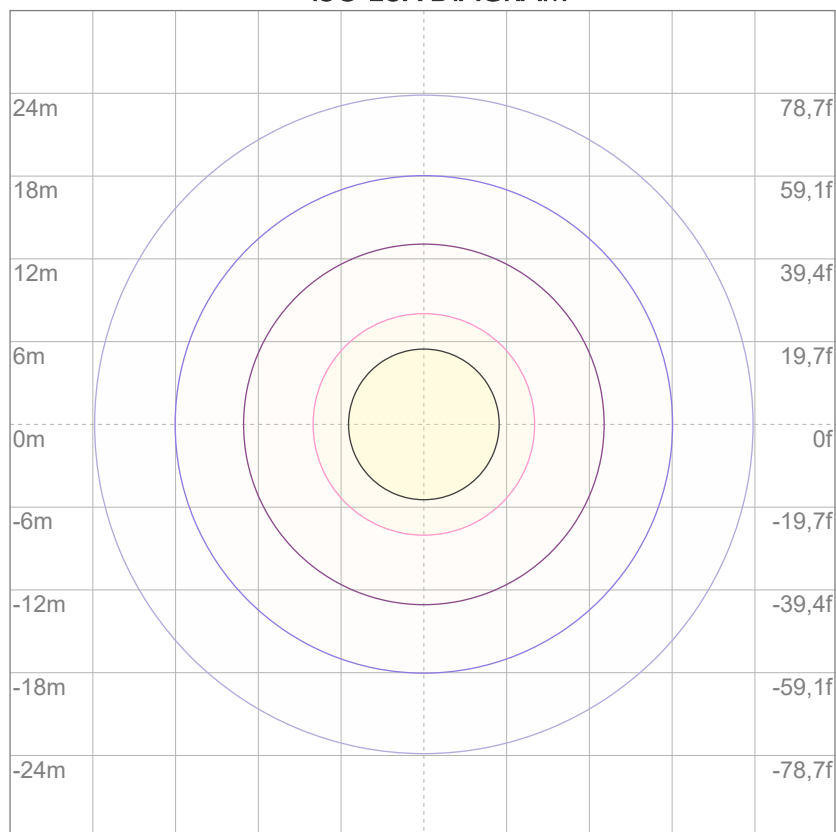
10%	70 cd
20%	140 cd
30%	210 cd
40%	280 cd
50%	351 cd
60%	421 cd
70%	491 cd
80%	561 cd

Conditions:

Number of c-planes: 2

Candela at center: 701 cd

ISO LUX DIAGRAM



3%	0,210 lx
5%	0,351 lx
10%	0,701 lx
30%	2,10 lx
50%	3,51 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,01 lx

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



Total lumen output:

869 lm

Peak candela output:

2526 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° +10°x 60° Filter

Target:

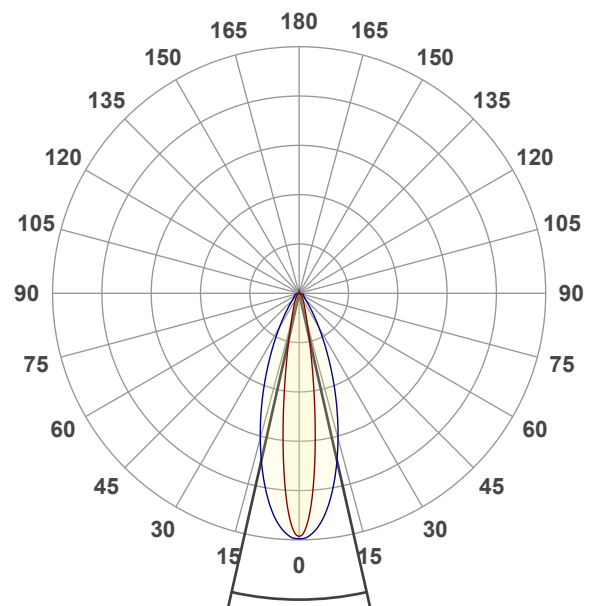
Green

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:41:22

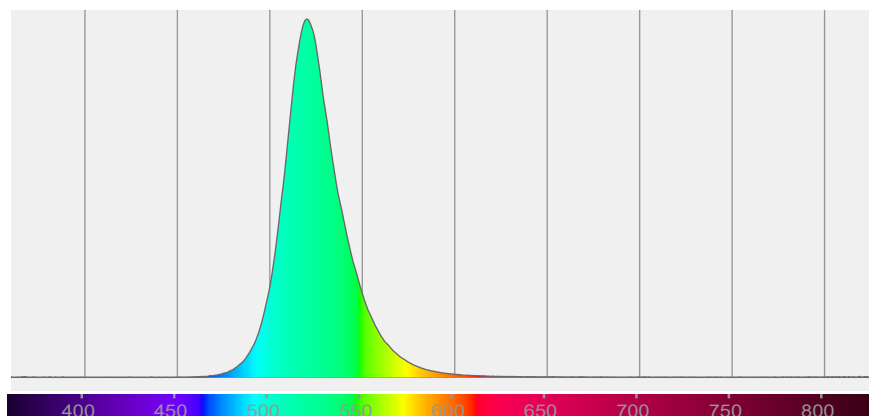


Beam angle 50%: 25,5°

Field angle 10%: 51,3°

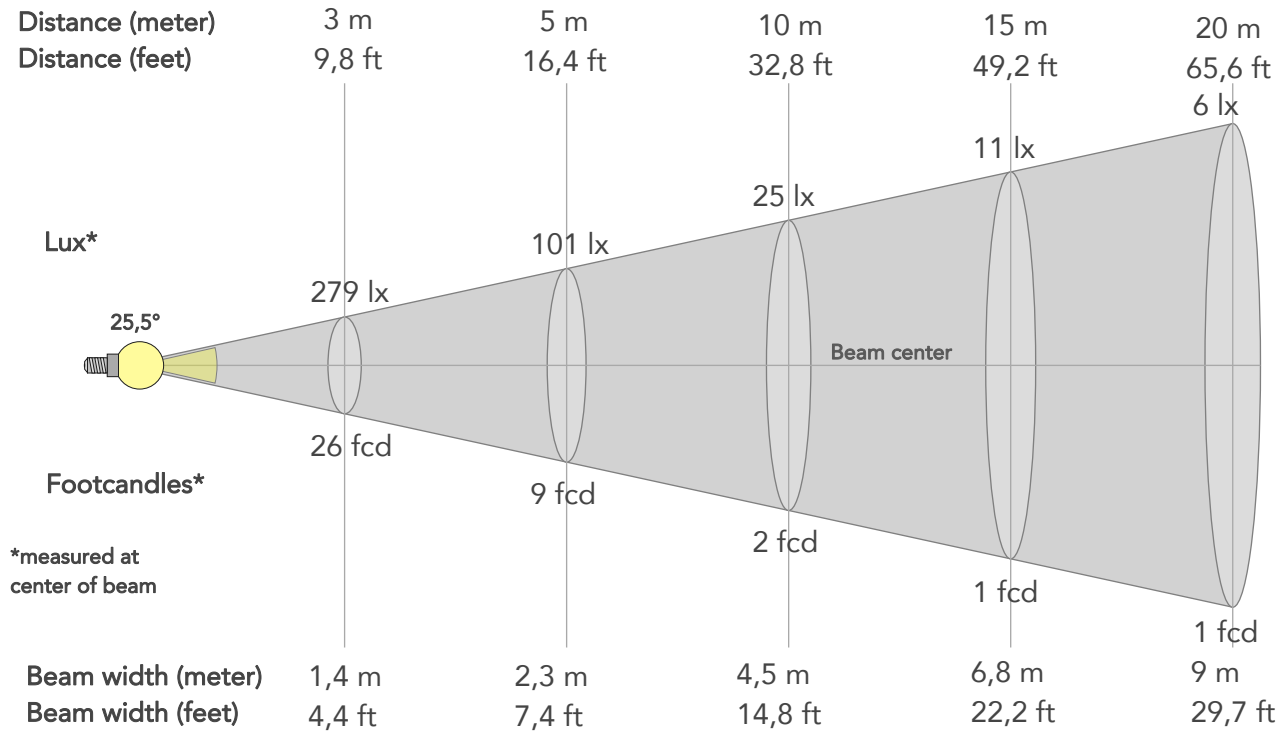
Cut off angle 2.5%: 87°

Spectra



BEAM DETAILS

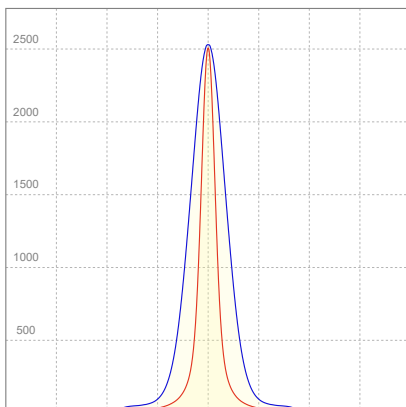
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25,5°	51,3°	87°	93,0%	86,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2515lx	629lx	279lx	157lx	101lx	45lx	25lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	234fcd	58fcd	26fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	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	22,2ft	29,7ft	37,1ft	44,5ft	59,3ft	74,1ft

LINEAR DISTRIBUTION DIAGRAM

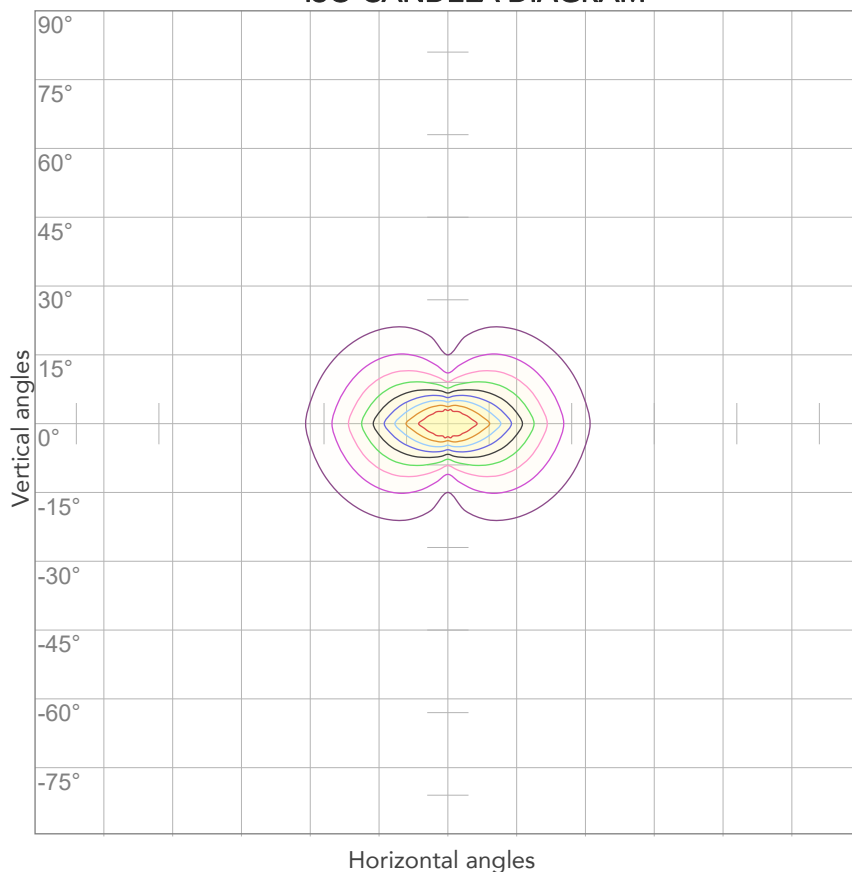


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,089A	13,5W	0,68	64lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



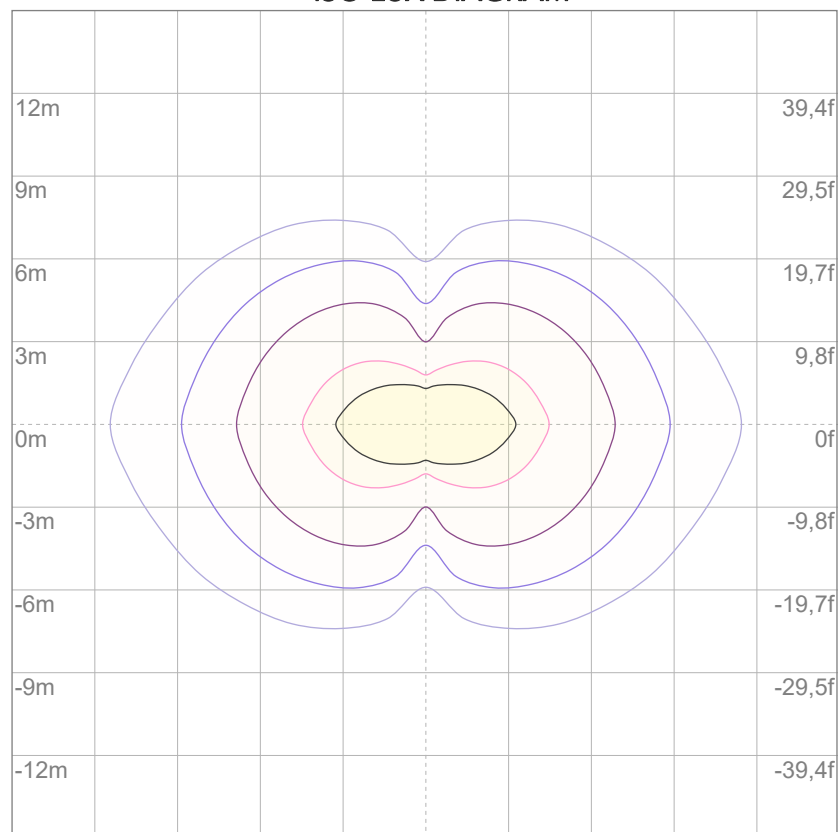
10%	252 cd
20%	503 cd
30%	755 cd
40%	1006 cd
50%	1258 cd
60%	1509 cd
70%	1761 cd
80%	2012 cd

Conditions:

Number of c-planes: 4

Candela at center: 2515 cd

ISO LUX DIAGRAM



3%	0,755 lx
5%	1,26 lx
10%	2,52 lx
30%	7,55 lx
50%	12,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 25,2 lx

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



Total lumen output:

859 lm

Peak candela output:

1215 cd

PRODUCT NAME:

ARCSPOTSFC

MEASUREMENT CONDITIONS:

Beam angle:

10° +30°x 60° Filter

Target:

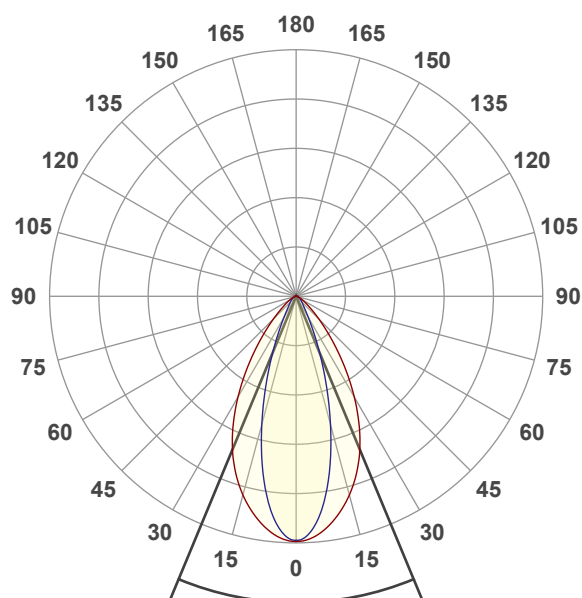
Green

Operator:

Giacomo Matteo

Date and time:

10/02/2024 09:08:23

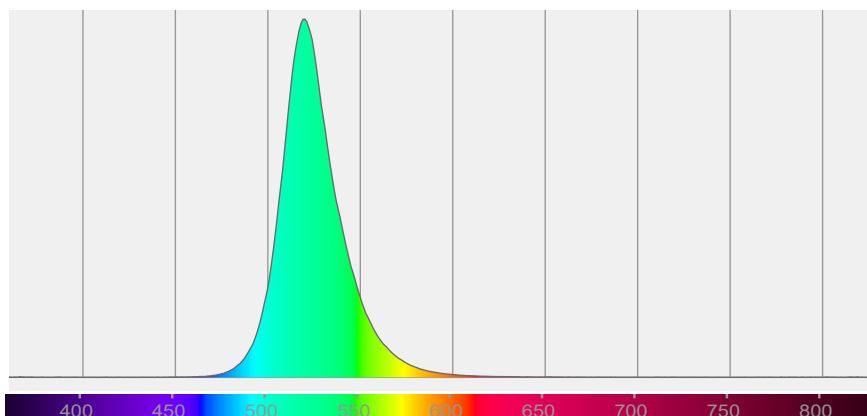


Beam angle 50%: 45,1°

Field angle 10%: 77,6°

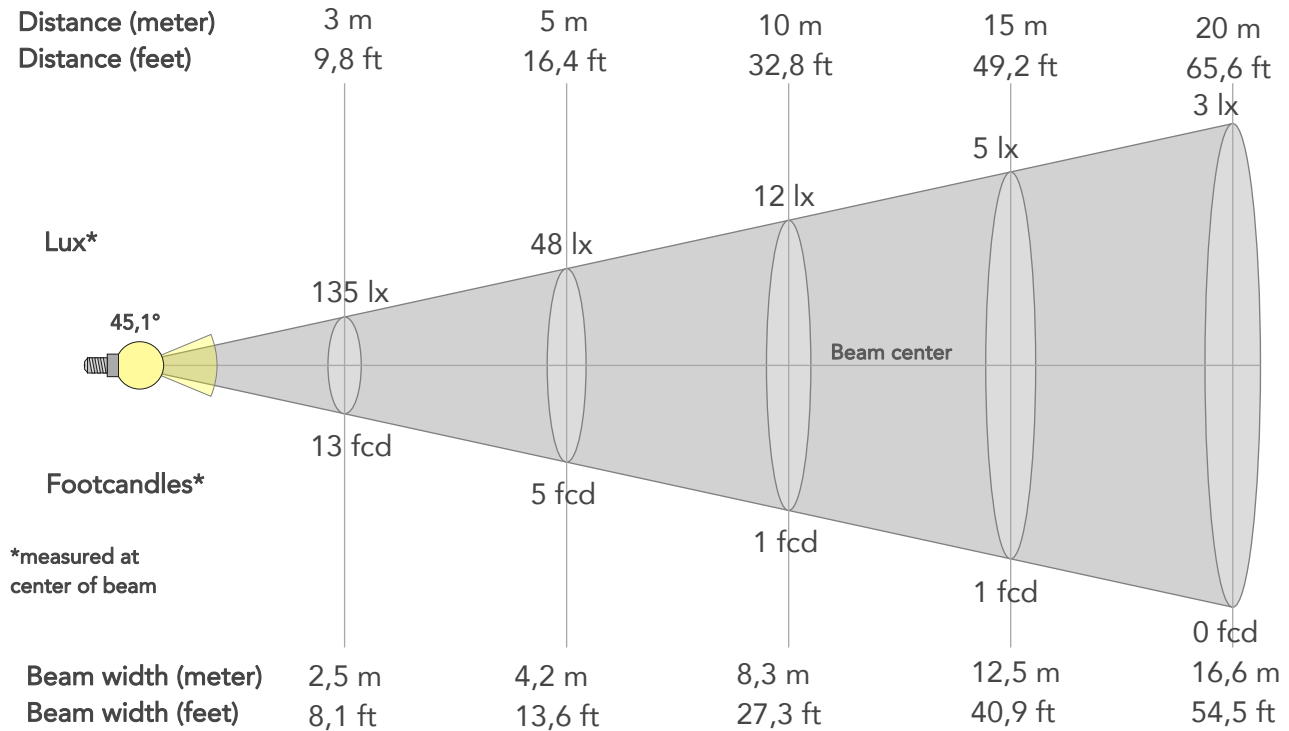
Cut off angle 2.5%: 113,6°

Spectra



BEAM DETAILS

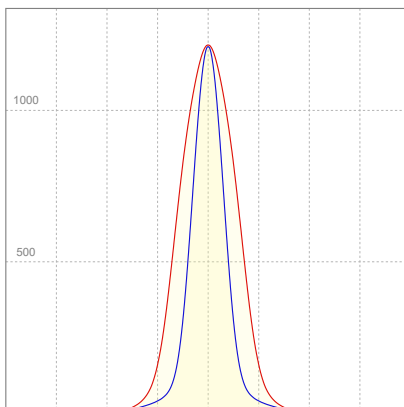
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,1°	77,6°	113,6°	96,6%	88,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1212lx	303lx	135lx	76lx	48lx	22lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	113fcd	28fcd	13fcd	7fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,2m	8,3m	12,5m	16,6m	20,8m	24,9m	33,2m	41,5m
Beam wid.	2,7ft	5,5ft	8,1ft	10,9ft	13,6ft	20,4ft	27,3ft	40,9ft	54,5ft	68,1ft	81,8ft	109ft	136,3ft

LINEAR DISTRIBUTION DIAGRAM

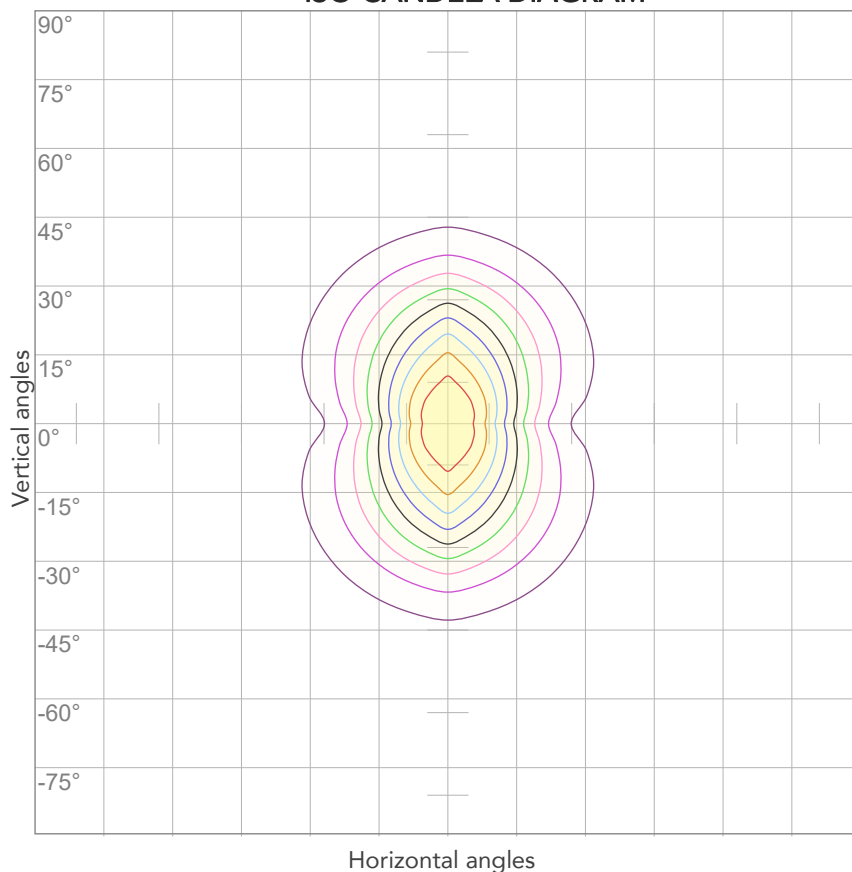


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,090A	13,7W	0,68	63lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



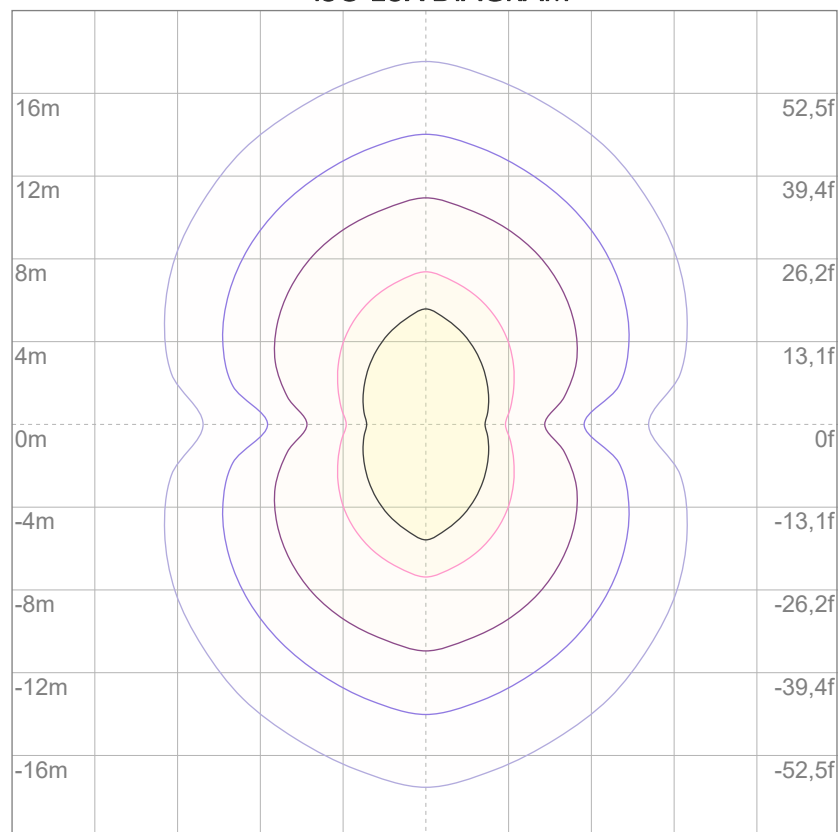
10%	121 cd
20%	242 cd
30%	364 cd
40%	485 cd
50%	606 cd
60%	727 cd
70%	848 cd
80%	969 cd

Conditions:

Number of c-planes: 4

Candela at center: 1212 cd

ISO LUX DIAGRAM



3%	0,364 lx
5%	0,606 lx
10%	1,21 lx
30%	3,64 lx
50%	6,06 lx

Conditions:

Number of c-planes: 4

Lux at center: 12,1 lx

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



Total lumen output:

217 lm

Peak candela output:

2713 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

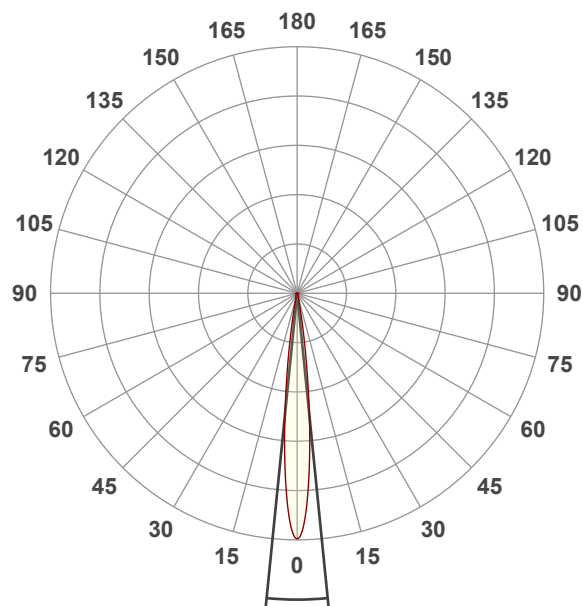
Blue

Operator:

Giacomo Matteo

Date and time:

09/02/2024 13:03:24

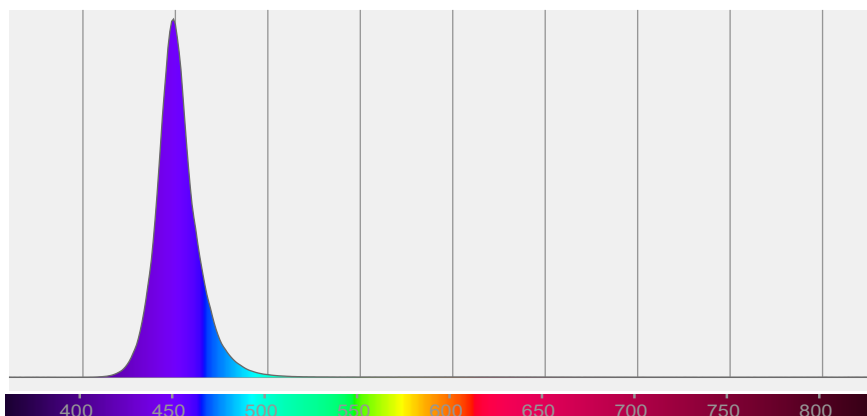


Beam angle 50%: 11,4°

Field angle 10%: 20,2°

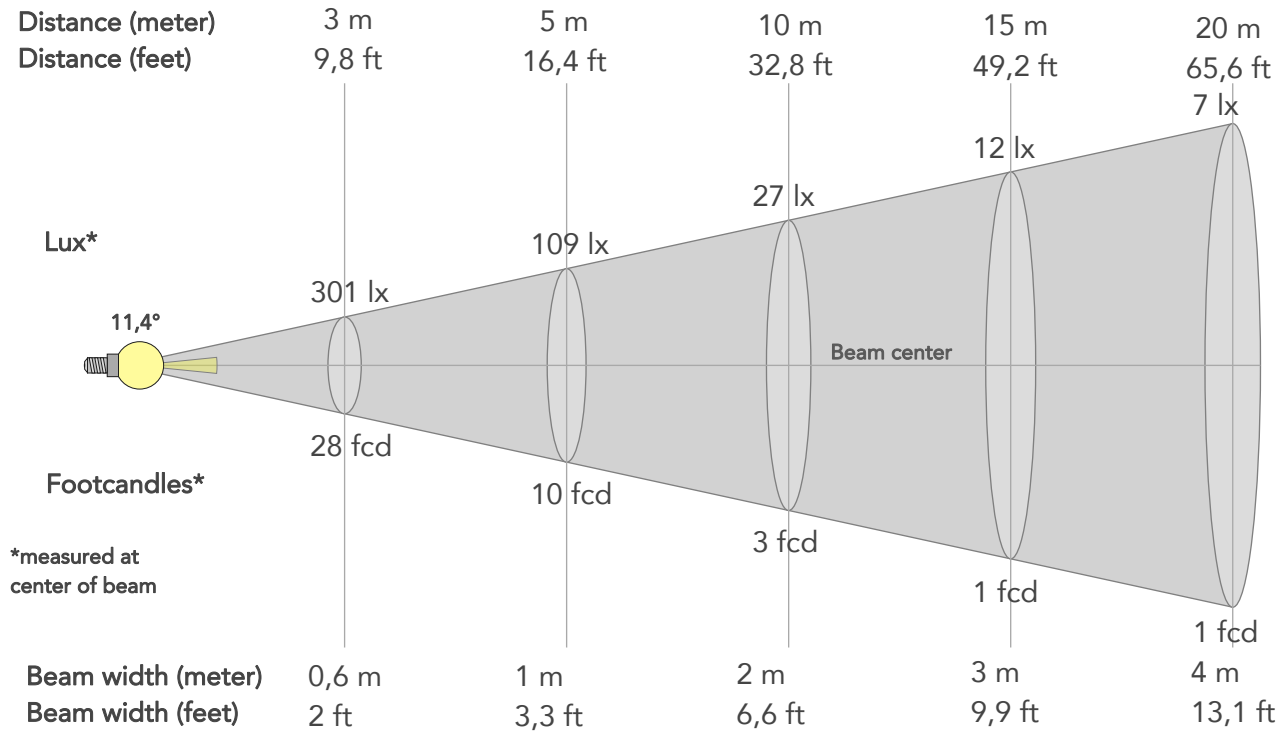
Cut off angle 2.5%: 29,7°

Spectra



BEAM DETAILS

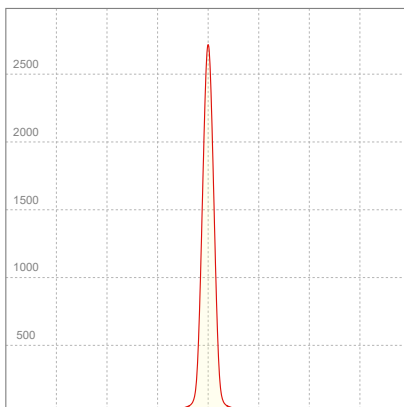
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,4°	20,2°	29,7°	83,2%	74,9%



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	2713lx	678lx	301lx	170lx	109lx	48lx	27lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	252fcd	63fcd	28fcd	16fcd	10fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	3m	4m	5m	6m	8m	10m
Beam wid.	0,7ft	1,3ft	2ft	2,6ft	3,3ft	4,9ft	6,6ft	9,9ft	13,1ft	16,4ft	19,7ft	26,3ft	32,9ft

LINEAR DISTRIBUTION DIAGRAM

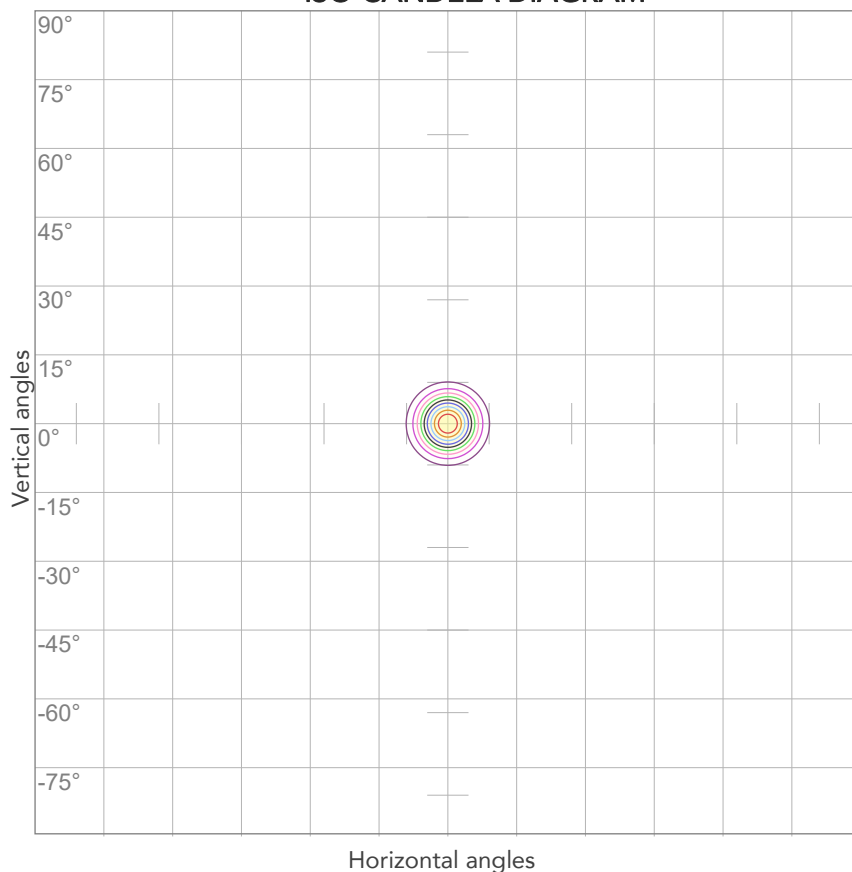


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,091A	14,0W	0,69	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



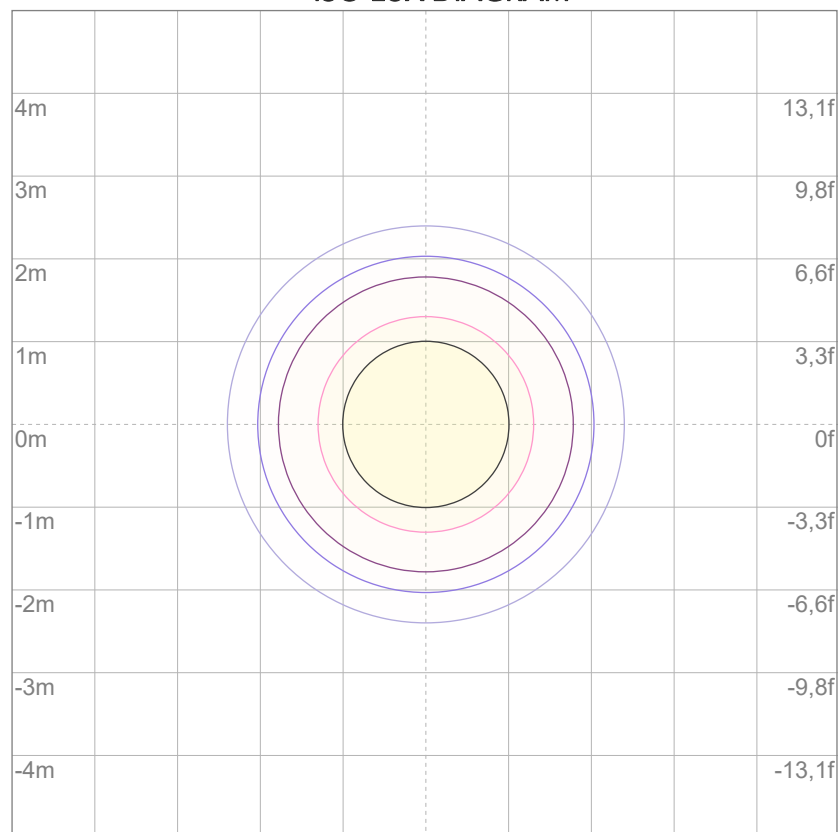
10%	271 cd
20%	543 cd
30%	814 cd
40%	1085 cd
50%	1357 cd
60%	1628 cd
70%	1899 cd
80%	2171 cd

Conditions:

Number of c-planes: 2

Candela at center: 2713 cd

ISO LUX DIAGRAM



3%	0,814 lx
5%	1,36 lx
10%	2,71 lx
30%	8,14 lx
50%	13,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 27,1 lx

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



Total lumen output:

161 lm

Peak candela output:

576 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

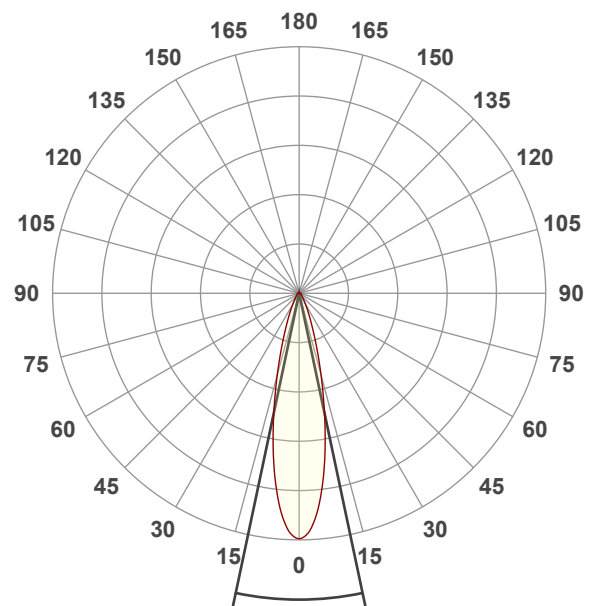
Blue

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:13:35

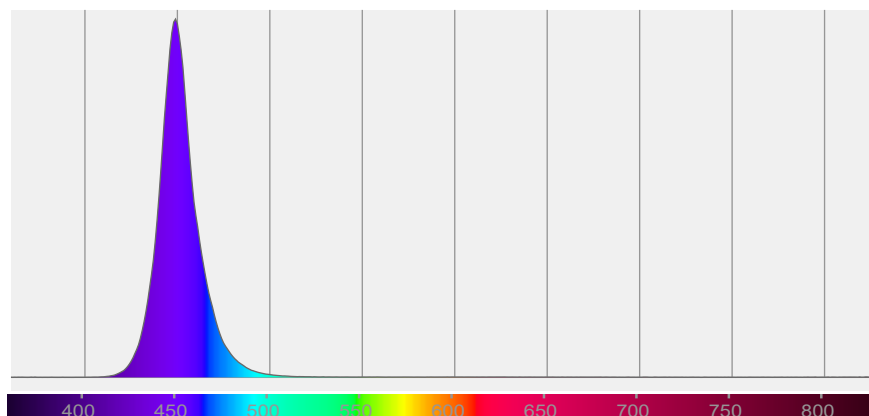


Beam angle 50%: 23,9°

Field angle 10%: 48,7°

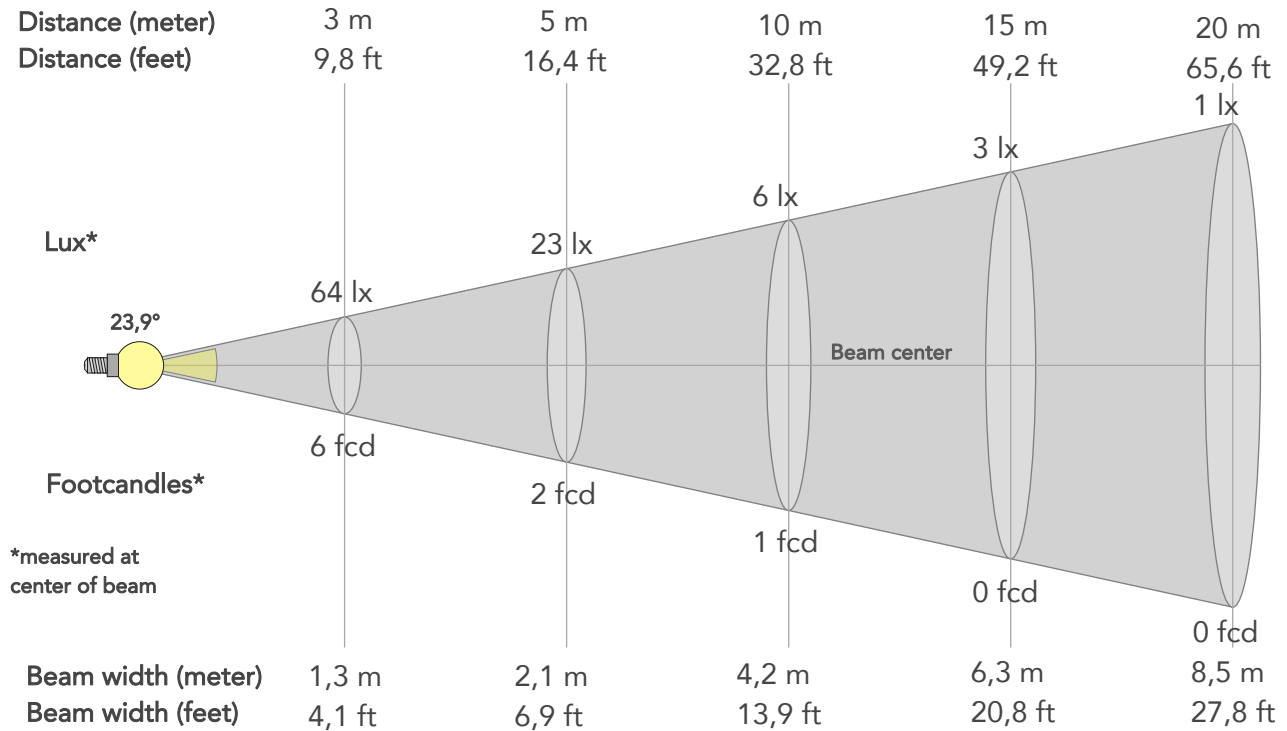
Cut off angle 2.5%: 77°

Spectra



BEAM DETAILS

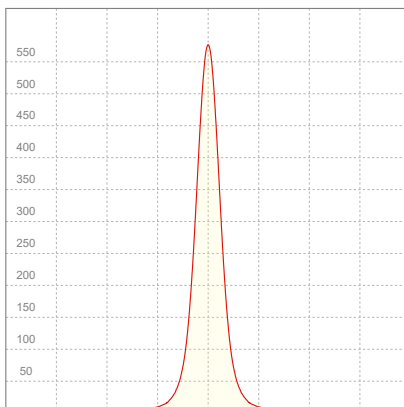
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,9°	48,7°	77°	93,4%	87,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	576lx	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.	0,4m	0,8m	1,3m	1,7m	2,1m	3,2m	4,2m	6,3m	8,5m	10,6m	12,7m	16,9m	21,2m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,9ft	10,4ft	13,9ft	20,8ft	27,8ft	34,7ft	41,7ft	55,5ft	69,4ft

LINEAR DISTRIBUTION DIAGRAM

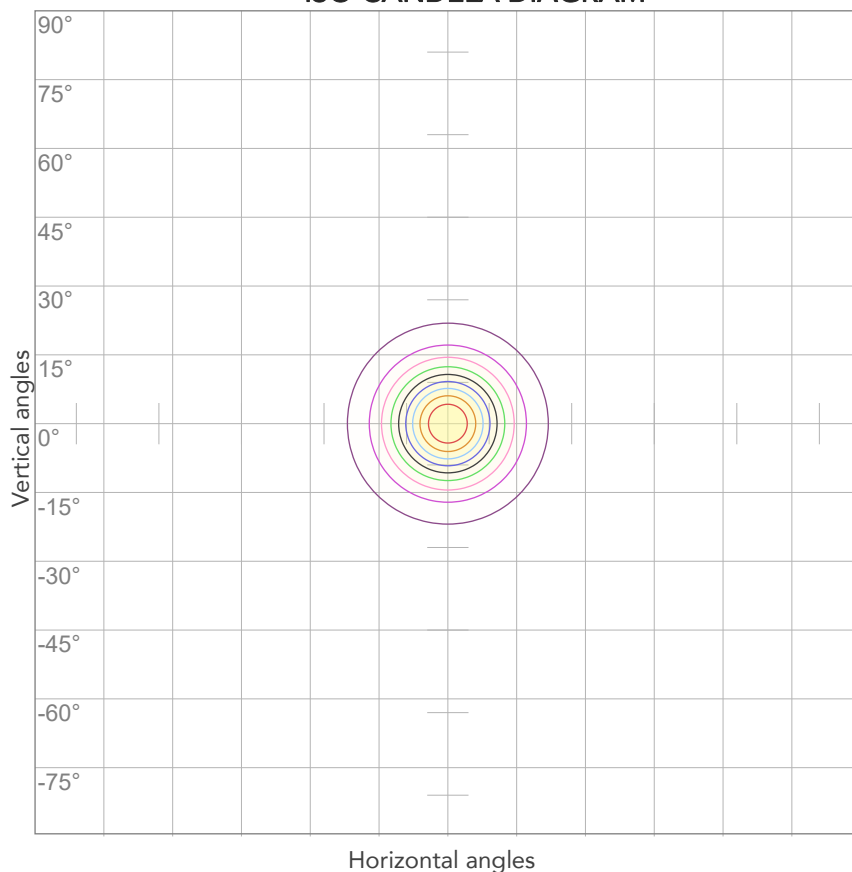


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,090A	14,0W	0,69	11lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



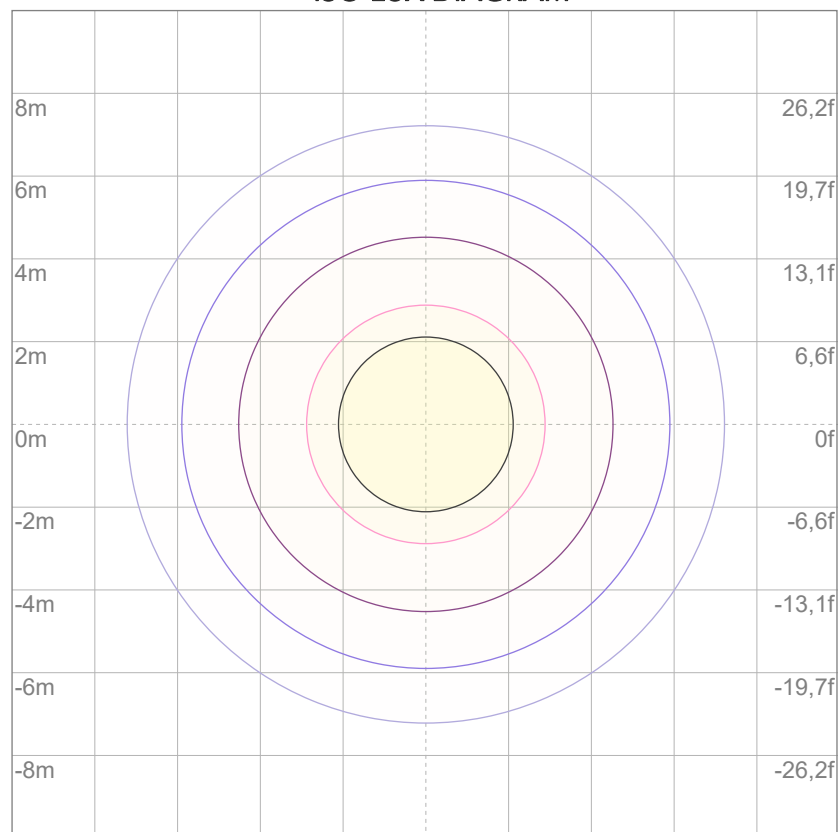
10%	58 cd
20%	115 cd
30%	173 cd
40%	230 cd
50%	288 cd
60%	346 cd
70%	403 cd
80%	461 cd

Conditions:

Number of c-planes: 2

Candela at center: 576 cd

ISO LUX DIAGRAM



3%	0,173 lx
5%	0,288 lx
10%	0,576 lx
30%	1,73 lx
50%	2,88 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,76 lx

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



Total lumen output:

144 lm

Peak candela output:

169 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

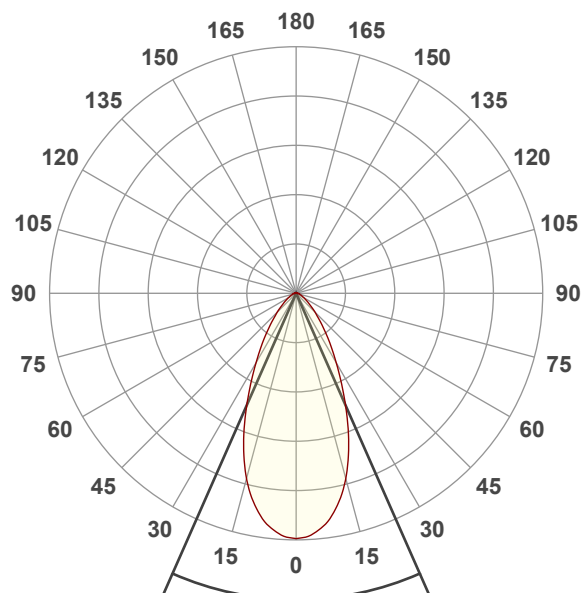
Blue

Operator:

Giacomo Matteo

Date and time:

09/02/2024 13:31:32

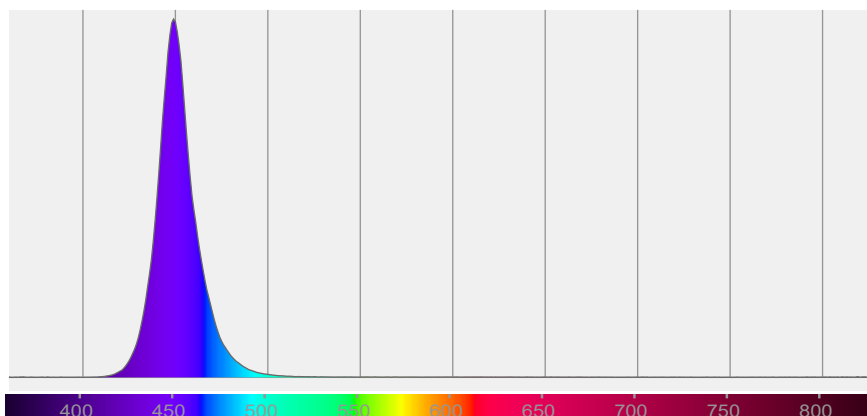


Beam angle 50%: 47,6°

Field angle 10%: 92,5°

Cut off angle 2.5%: 132,4°

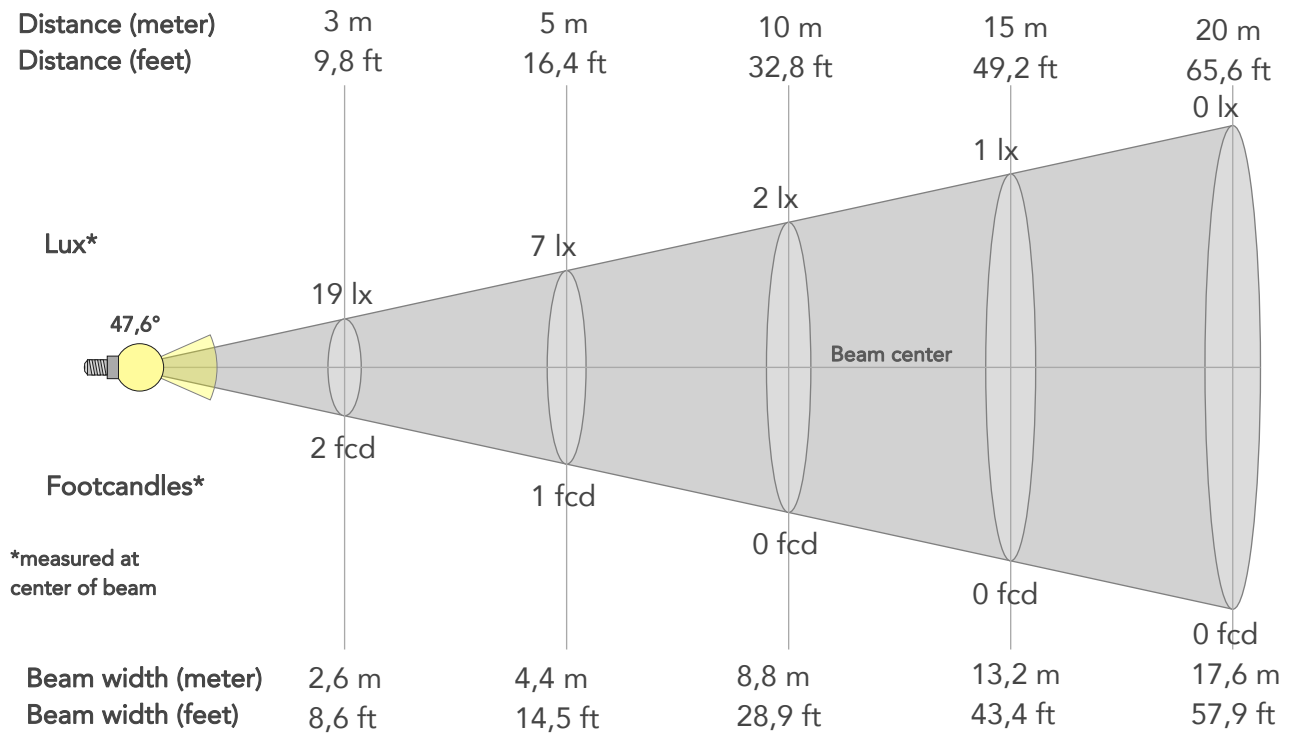
Spectra



BEAM DETAILS



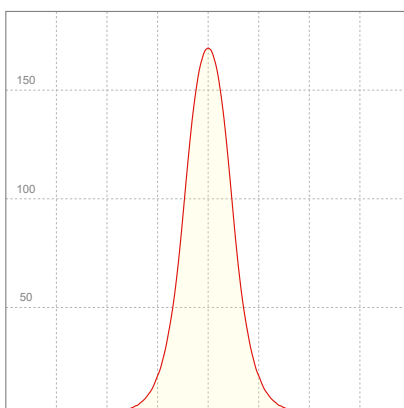
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47,6°	92,5°	132,4°	93,5%	83,6%



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	169lx	42lx	19lx	11lx	7lx	3lx	2lx	1lx	0lx	0lx	0lx	0lx	0lx
Footcand.	16fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,6m	3,5m	4,4m	6,6m	8,8m	13,2m	17,6m	22,1m	26,5m	35,3m	44,1m
Beam wid.	2,9ft	5,8ft	8,6ft	11,6ft	14,5ft	21,7ft	28,9ft	43,4ft	57,9ft	72,3ft	86,8ft	115,8ft	144,7ft

LINEAR DISTRIBUTION DIAGRAM

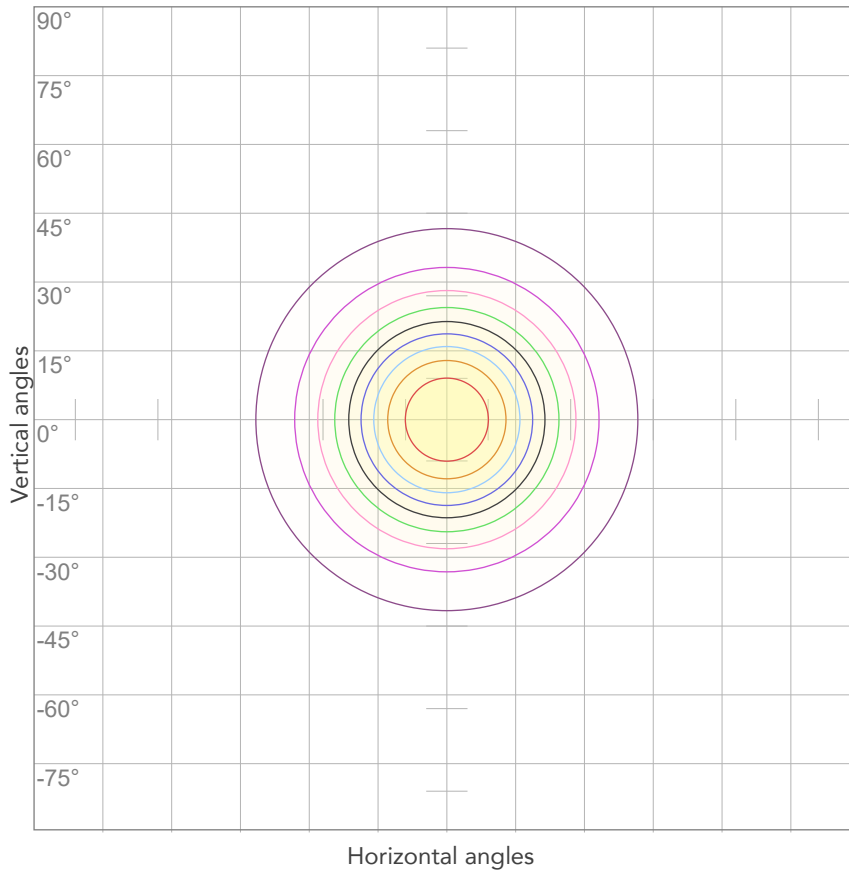


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,089A	14,0W	0,69	10lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



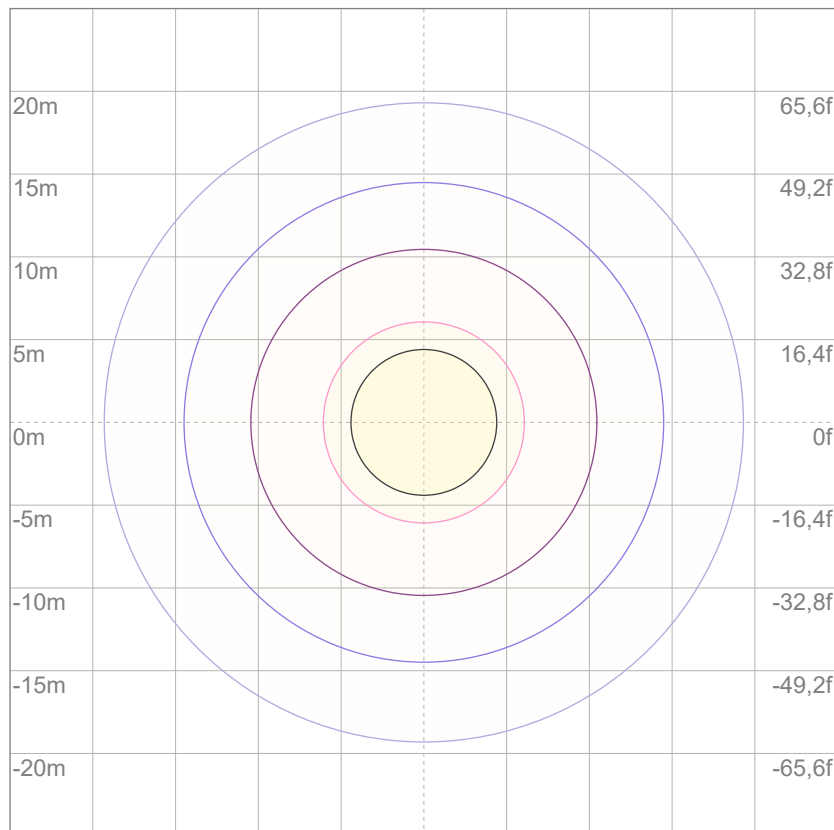
10%	17 cd
20%	34 cd
30%	51 cd
40%	68 cd
50%	85 cd
60%	102 cd
70%	118 cd
80%	135 cd

Conditions:

Number of c-planes: 2

Candela at center: 169 cd

ISO LUX DIAGRAM



3%	50,8m lx
5%	84,6m lx
10%	0,169 lx
30%	0,508 lx
50%	0,846 lx

Conditions:

Number of c-planes: 2

Lux at center: 1,69 lx

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



Total lumen output:

145 lm

Peak candela output:

125 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

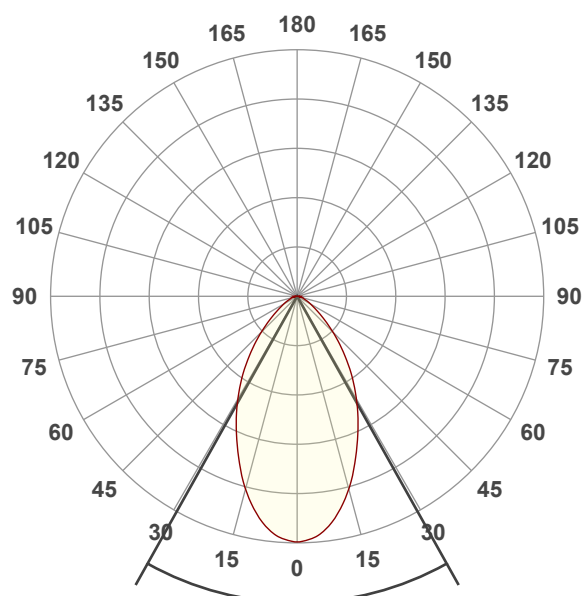
Blue

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:24:11

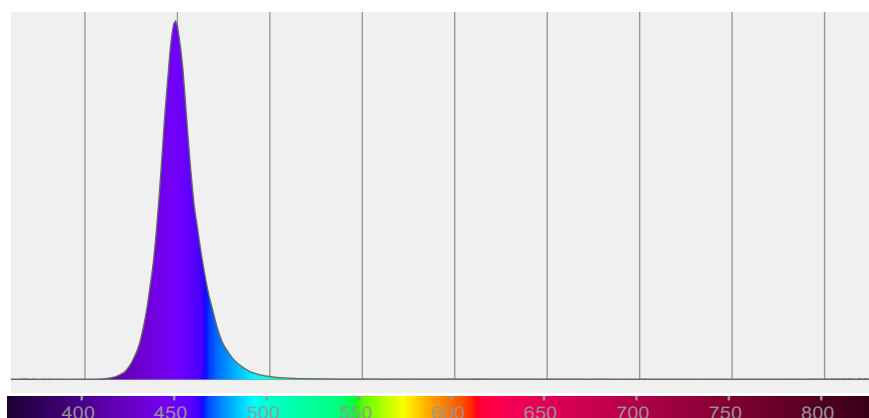


Beam angle 50%: 58,5°

Field angle 10%: 108,2°

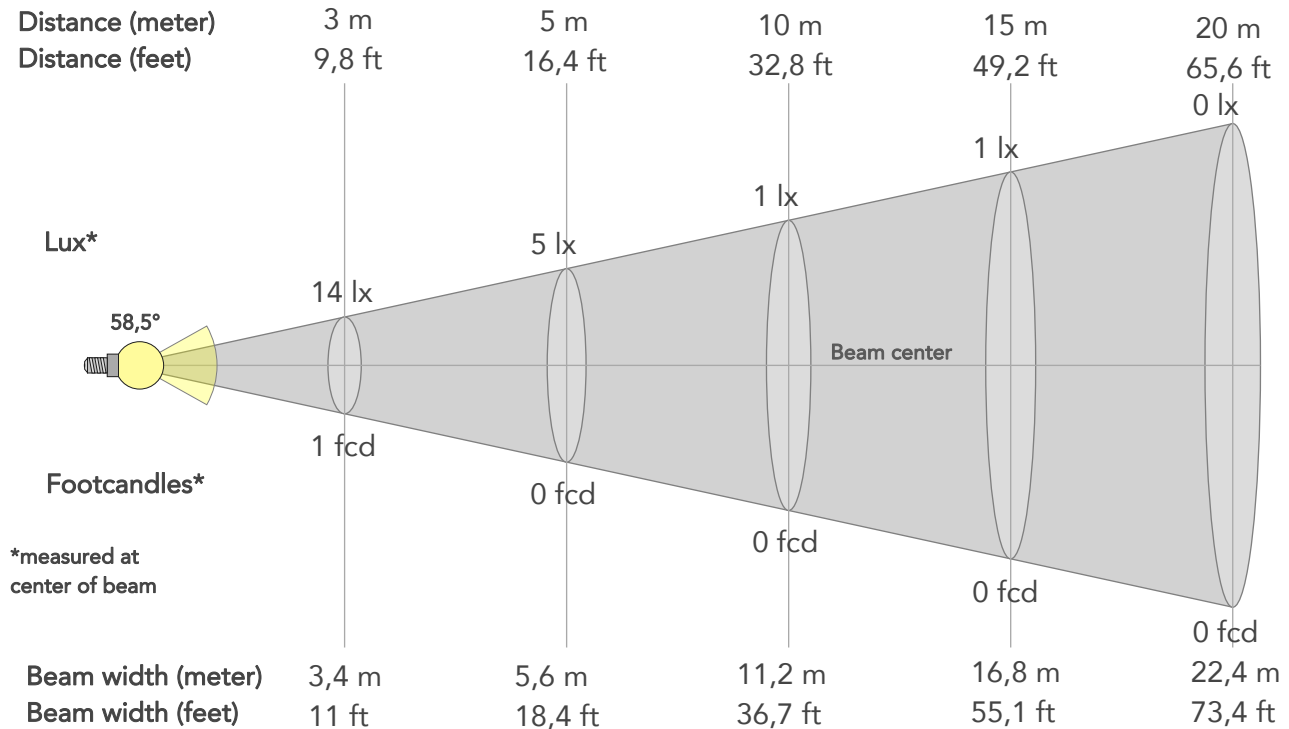
Cut off angle 2.5%: 145,5°

Spectra



BEAM DETAILS

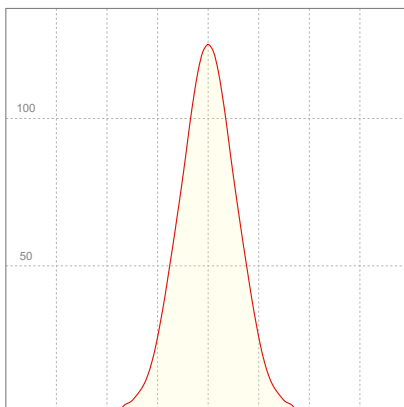
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,5°	108,2°	145,5°	92,6%	79,2%



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	125lx	31lx	14lx	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.	1,1m	2,2m	3,4m	4,5m	5,6m	8,4m	11,2m	16,8m	22,4m	28m	33,6m	44,8m	56m
Beam wid.	3,7ft	7,4ft	11ft	14,7ft	18,4ft	27,5ft	36,7ft	55,1ft	73,4ft	91,8ft	110,1ft	146,8ft	183,5ft

LINEAR DISTRIBUTION DIAGRAM

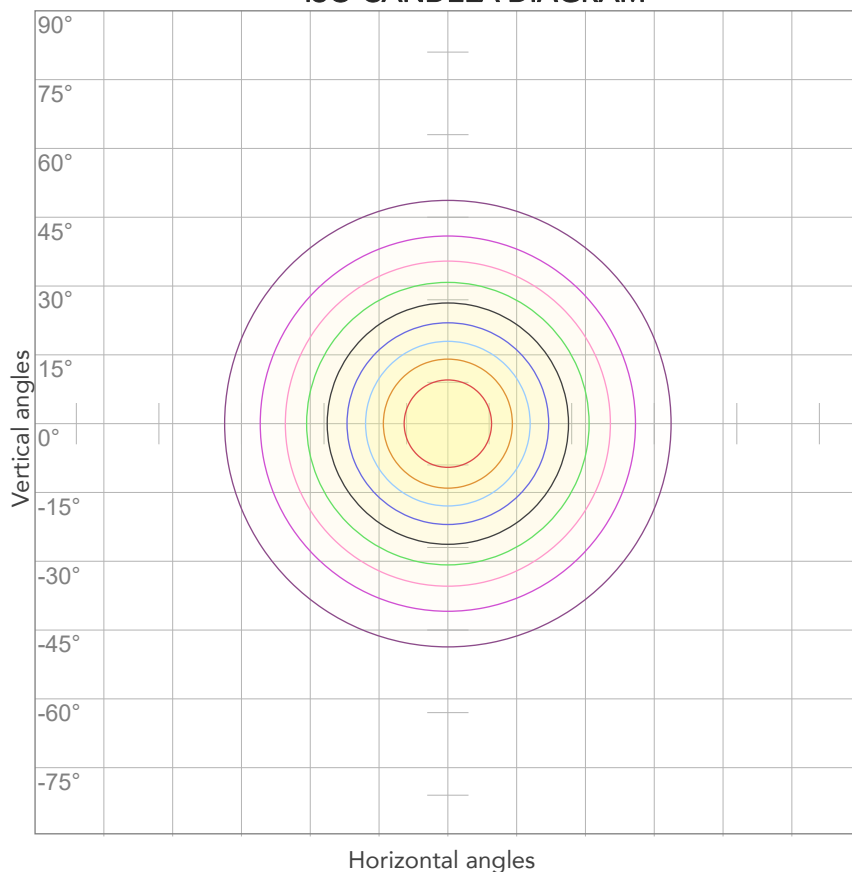


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,090A	14,0W	0,69	10lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



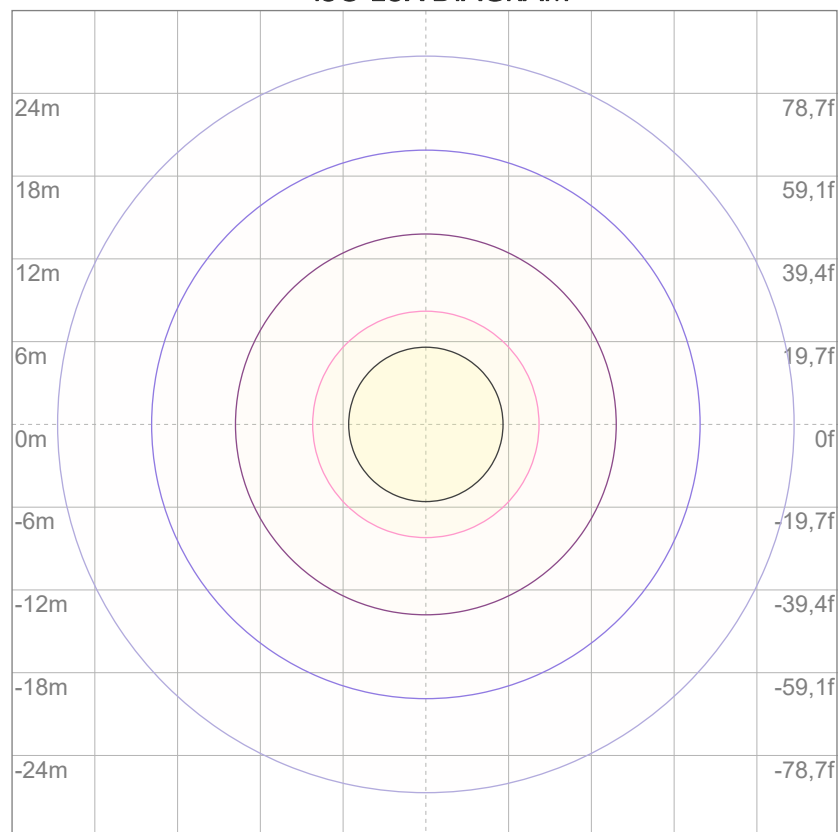
10%	12 cd
20%	25 cd
30%	37 cd
40%	50 cd
50%	62 cd
60%	75 cd
70%	87 cd
80%	100 cd

Conditions:

Number of c-planes: 2

Candela at center: 125 cd

ISO LUX DIAGRAM



3%	37,5m lx
5%	62,4m lx
10%	0,125 lx
30%	0,375 lx
50%	0,624 lx

Conditions:

Number of c-planes: 2

Lux at center: 1,25 lx

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



Total lumen output:

172 lm

Peak candela output:

457 cd

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° +10°x 60° Filter

Target:

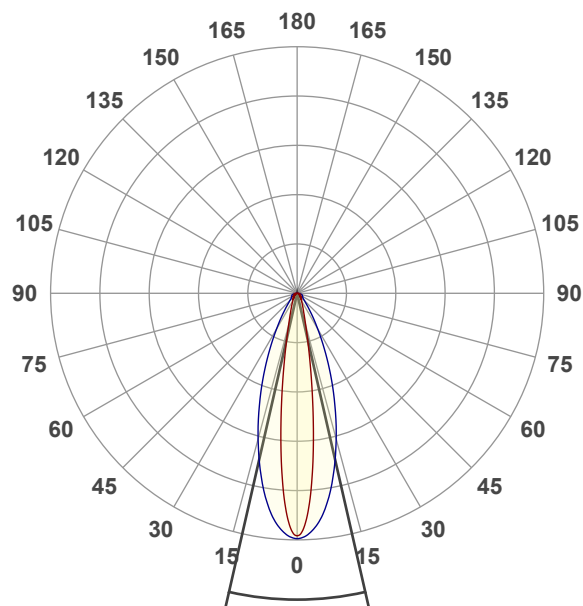
Blue

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:44:28

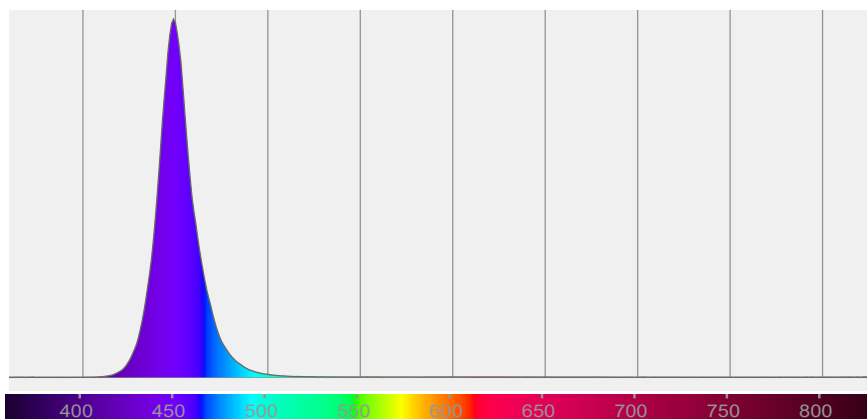


Beam angle 50%: 25,7°

Field angle 10%: 52,4°

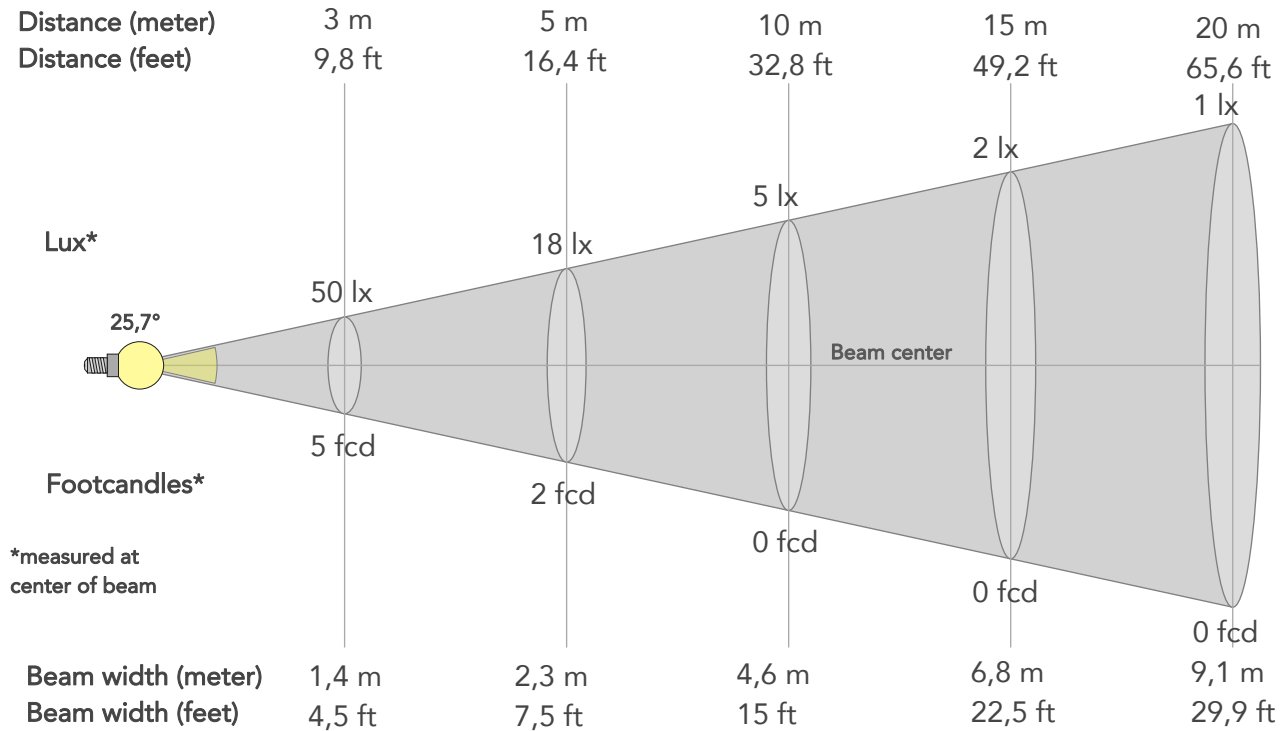
Cut off angle 2.5%: 98,6°

Spectra



BEAM DETAILS

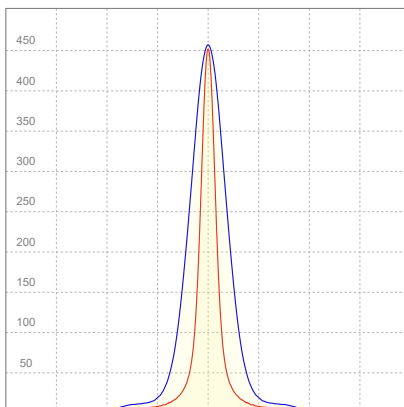
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25,7°	52,4°	98,6°	88,9%	81,1%



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	454lx	114lx	50lx	28lx	18lx	8lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	42fcd	11fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	0,9m	1,4m	1,8m	2,3m	3,4m	4,6m	6,8m	9,1m	11,4m	13,7m	18,3m	22,8m
Beam wid.	1,5ft	3ft	4,5ft	6ft	7,5ft	11,2ft	15ft	22,5ft	29,9ft	37,4ft	44,9ft	59,9ft	74,8ft

LINEAR DISTRIBUTION DIAGRAM

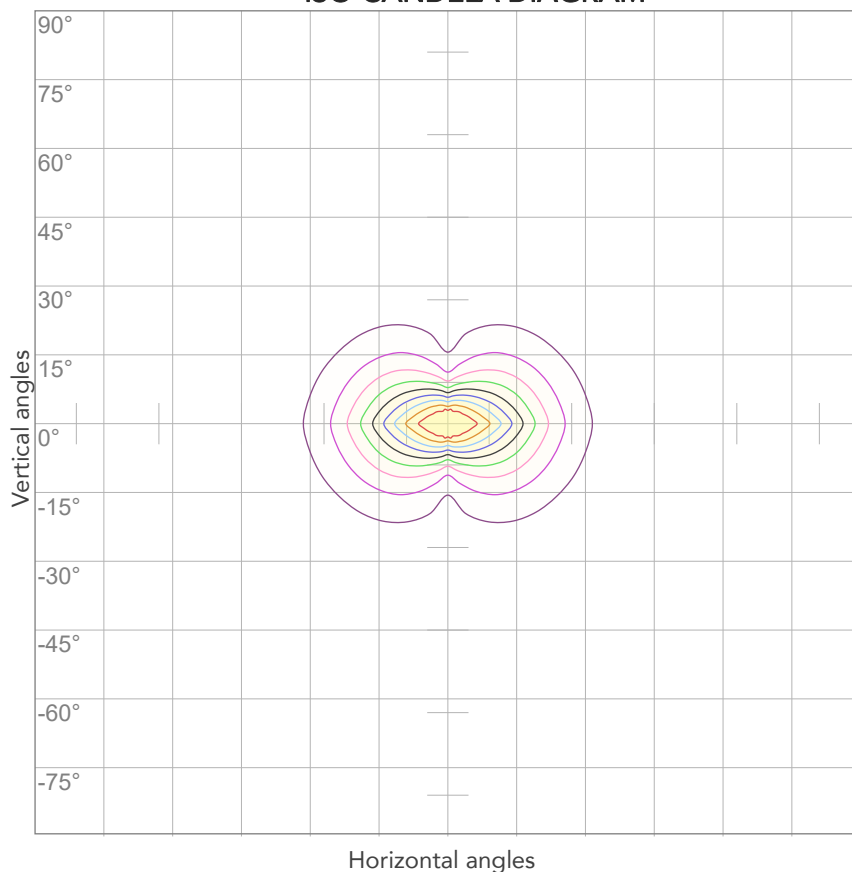


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,090A	14,0W	0,69	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



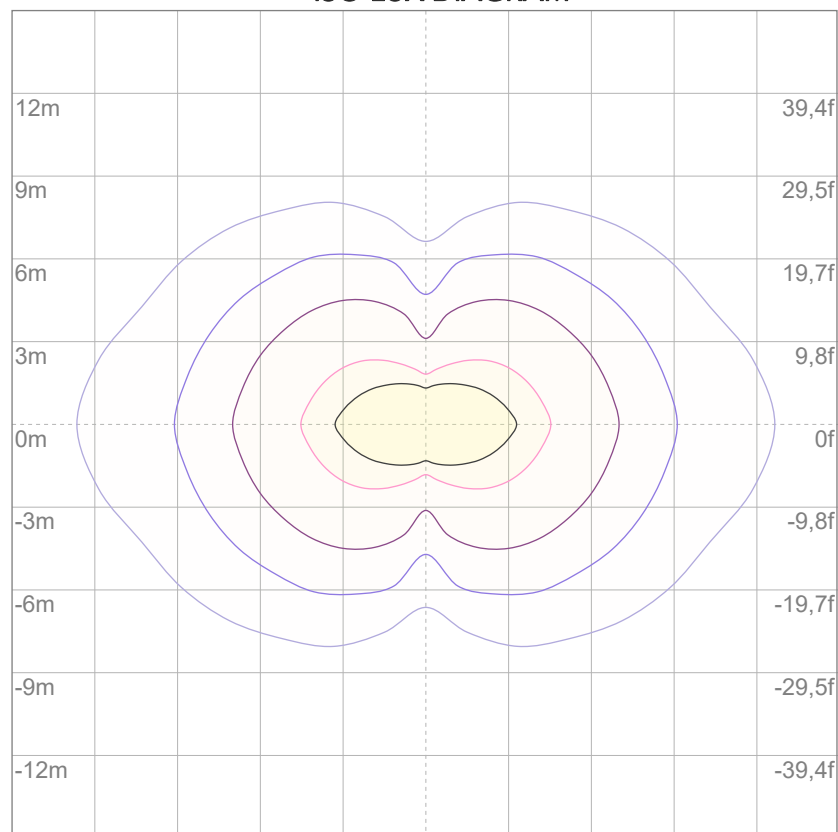
10%	45 cd
20%	91 cd
30%	136 cd
40%	182 cd
50%	227 cd
60%	272 cd
70%	318 cd
80%	363 cd

Conditions:

Number of c-planes: 4

Candela at center: 454 cd

ISO LUX DIAGRAM



3%	0,136 lx
5%	0,227 lx
10%	0,454 lx
30%	1,36 lx
50%	2,27 lx

Conditions:

Number of c-planes: 4

Lux at center: 4,54 lx

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



Total lumen output:

161 lm

Peak candela output:

215 cd

PRODUCT NAME:

ARCSPOTSFC

MEASUREMENT CONDITIONS:

Beam angle:

10° +30°x 60° Filter

Target:

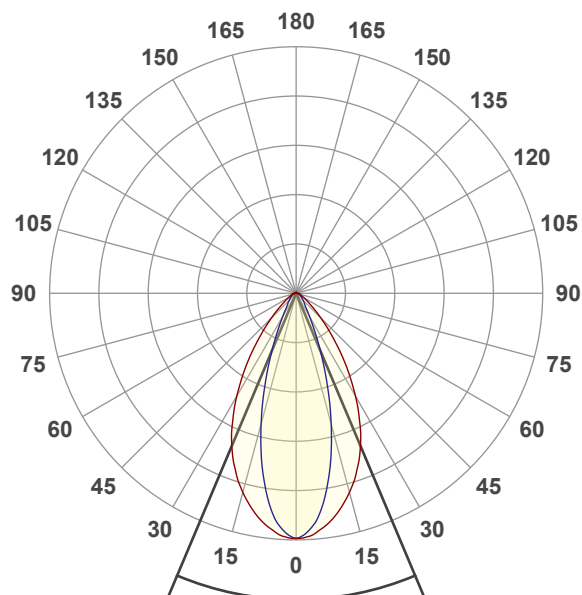
Blue

Operator:

Giacomo Matteo

Date and time:

10/02/2024 09:10:44

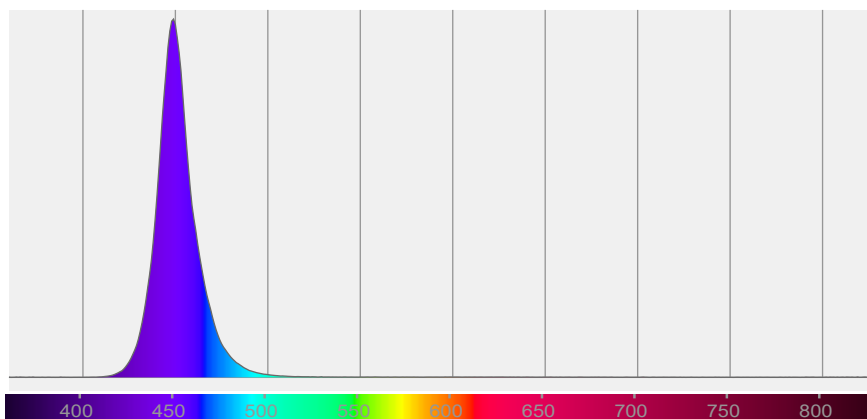


Beam angle 50%: 45,7°

Field angle 10%: 79,5°

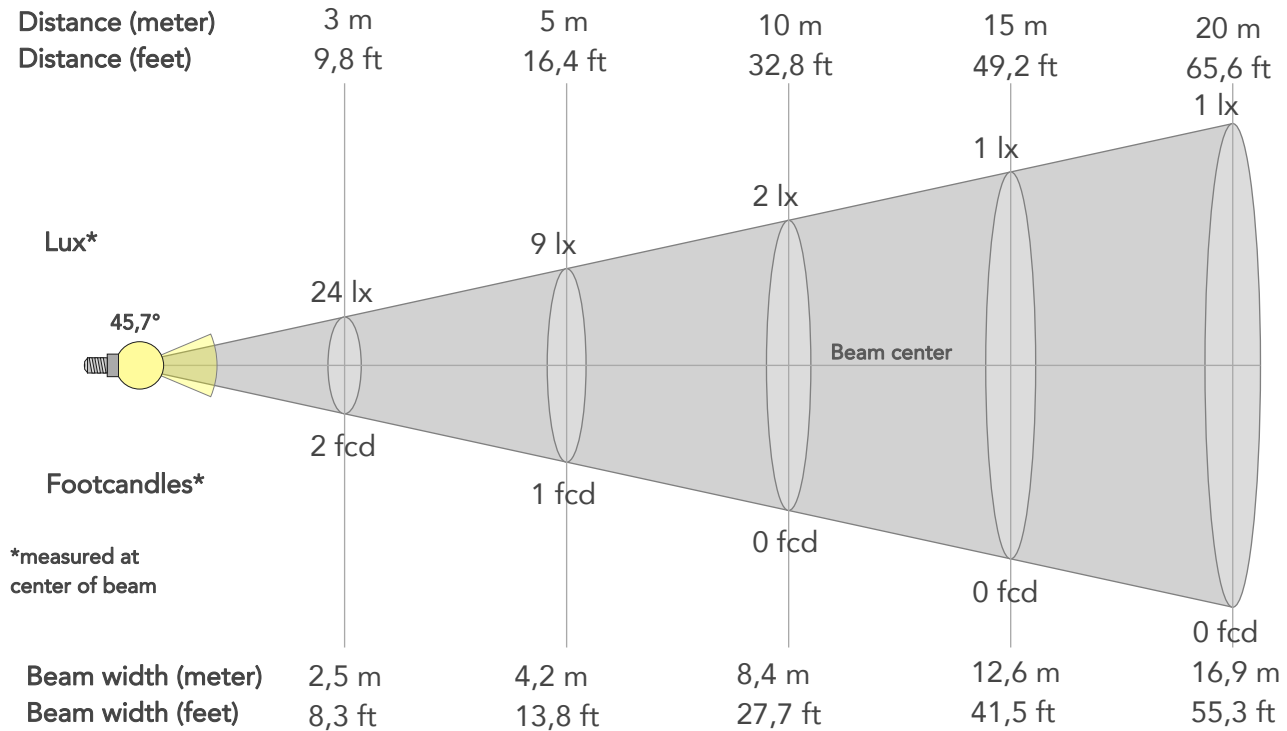
Cut off angle 2.5%: 123,1°

Spectra



BEAM DETAILS

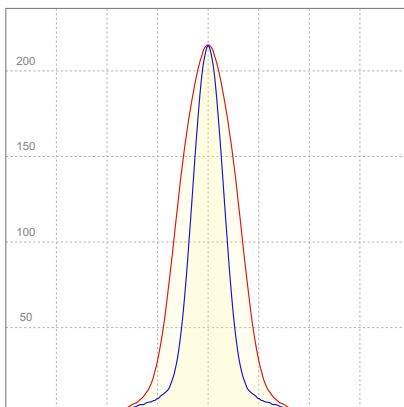
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,7°	79,5°	123,1°	94,6%	85,6%



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	215lx	54lx	24lx	13lx	9lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	20fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,9m	21,1m	25,3m	33,7m	42,2m
Beam wid.	2,8ft	5,6ft	8,3ft	11ft	13,8ft	20,7ft	27,7ft	41,5ft	55,3ft	69,1ft	83ft	110,6ft	138,3ft

LINEAR DISTRIBUTION DIAGRAM

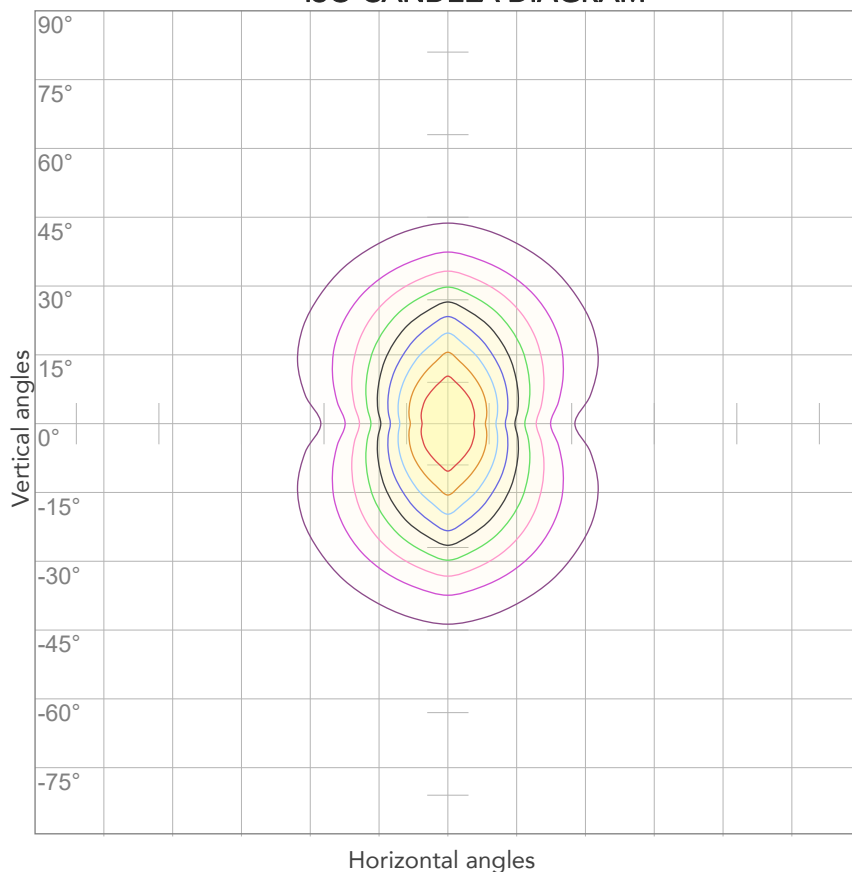


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,091A	14,0W	0,68	11lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



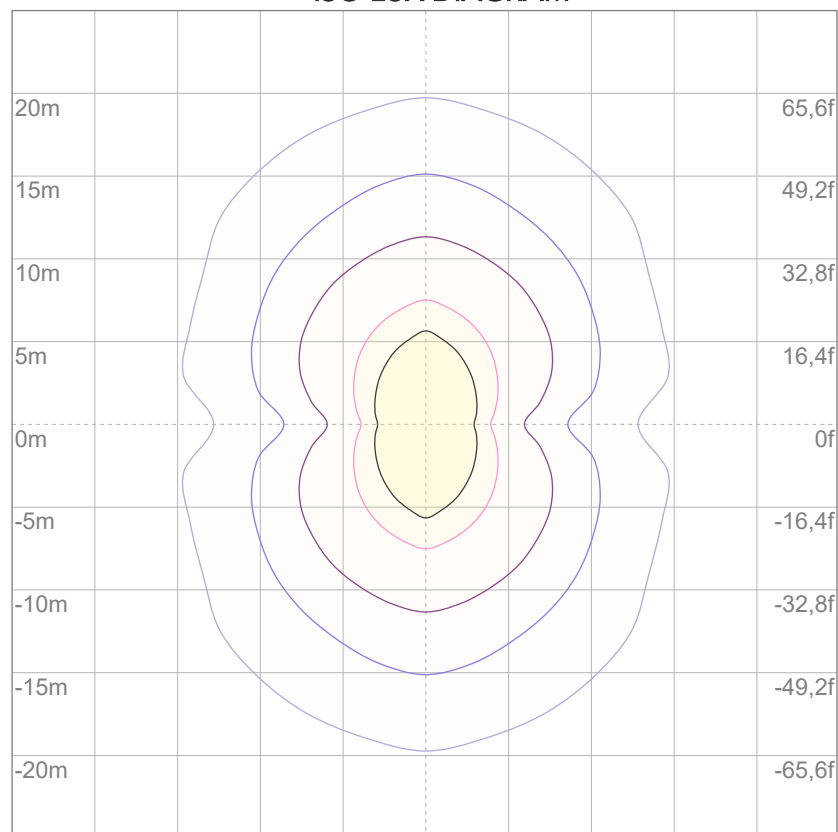
10%	21 cd
20%	43 cd
30%	64 cd
40%	86 cd
50%	107 cd
60%	129 cd
70%	150 cd
80%	172 cd

Conditions:

Number of c-planes: 4

Candela at center: 215 cd

ISO LUX DIAGRAM



3%	64,4m lx
5%	0,107 lx
10%	0,215 lx
30%	0,644 lx
50%	1,07 lx

Conditions:

Number of c-planes: 4

Lux at center: 2,15 lx

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



Total lumen output:

983 lm

Peak candela output:

19480 cd

Light quality:

CRI: 83,3

Color temperature:

2902 K

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

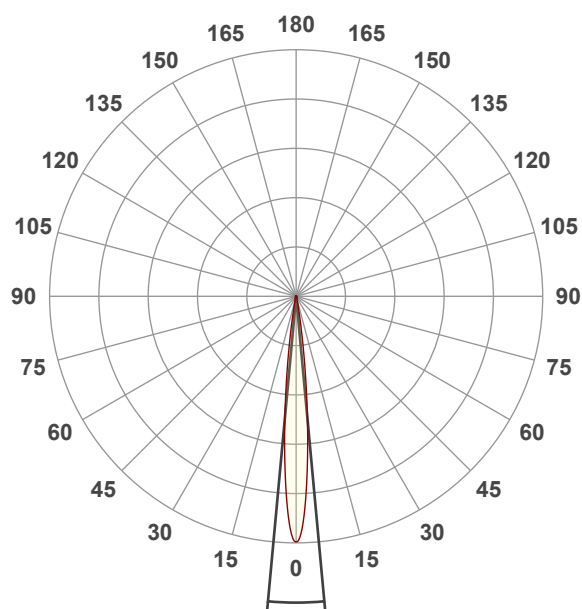
White

Operator:

Giacomo Matteo

Date and time:

09/02/2024 13:01:49

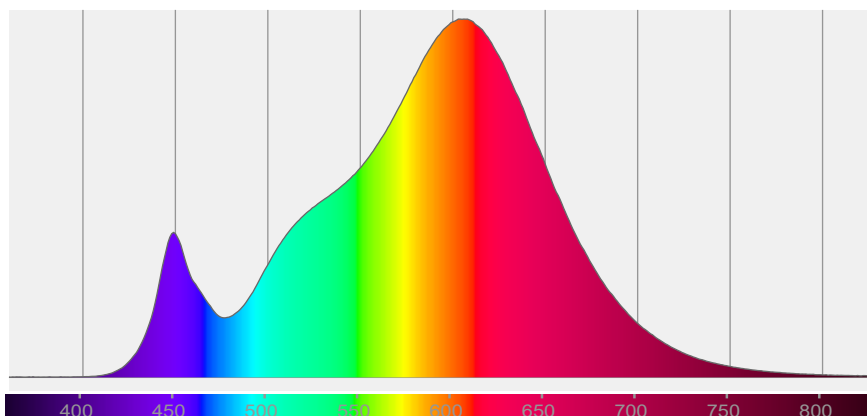


Beam angle 50%: 10,6°

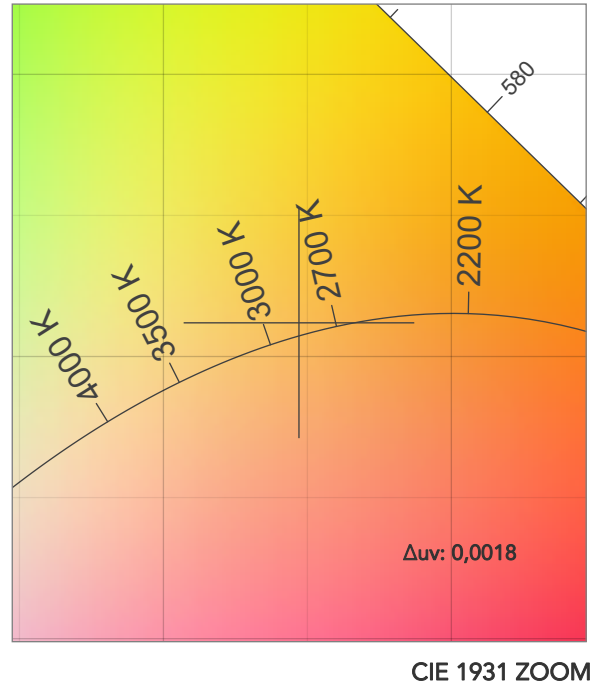
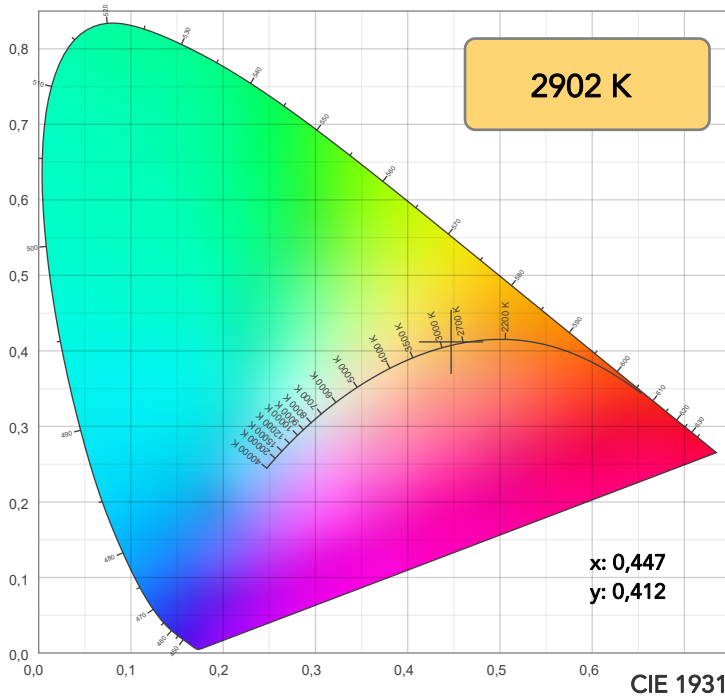
Field angle 10%: 19,1°

Cut off angle 2.5%: 26,6°

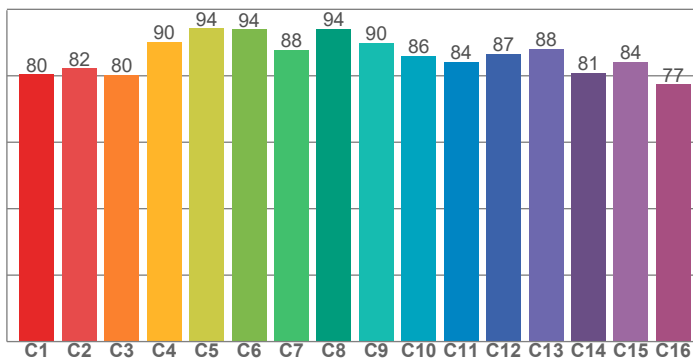
Spectra



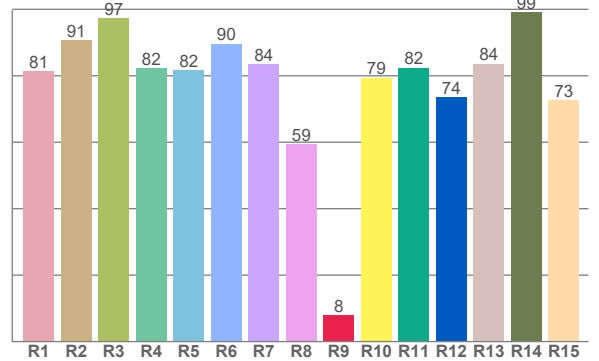
COLOR DETAILS



TM30: 86,1



CRI: 83,3 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81,4	90,8	97,4	82,3	81,6	89,6	83,6	59,5	7,9	79,4	82,5	73,6	83,6	99,1	72,6

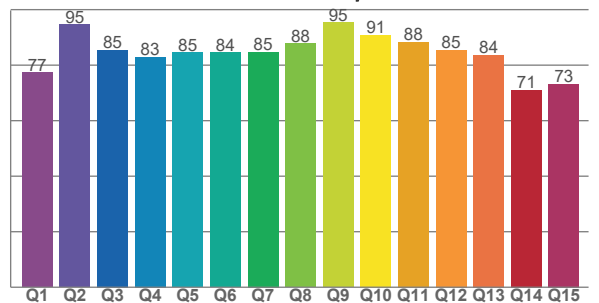
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,4	82,2	80,2	90,2	94,2	94,0	87,8	94,2	89,9	85,9	84,2	86,5	88,1	80,9	84,1	77,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,3	94,6	85,4	82,9	84,5	84,5	84,7	87,8	95,3	90,8	88,3	85,5	83,7	71,1	73,3

CQS: 83,1



COLOR PARAMETERS

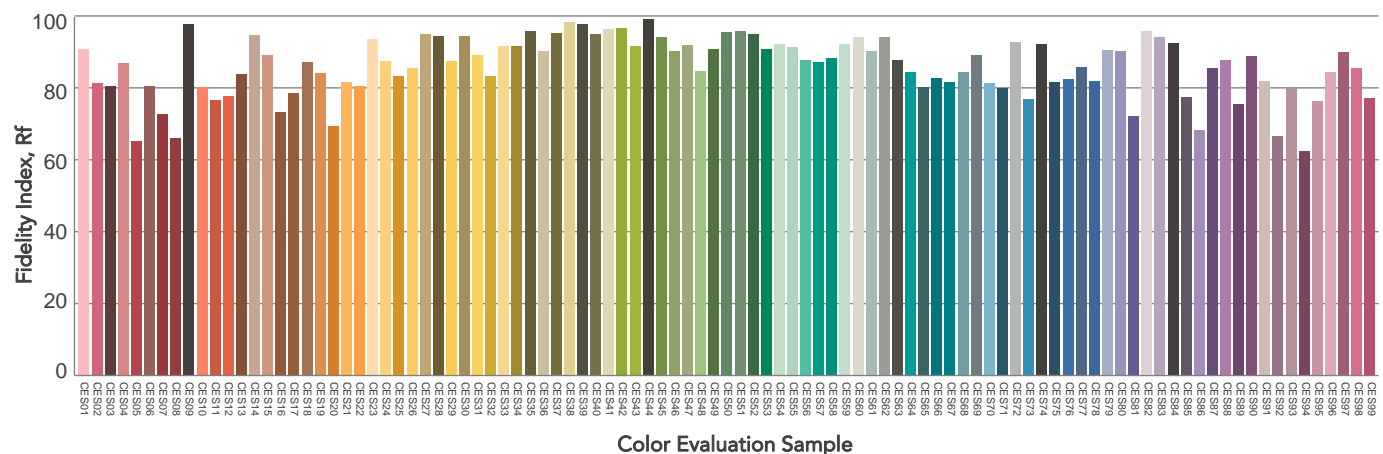
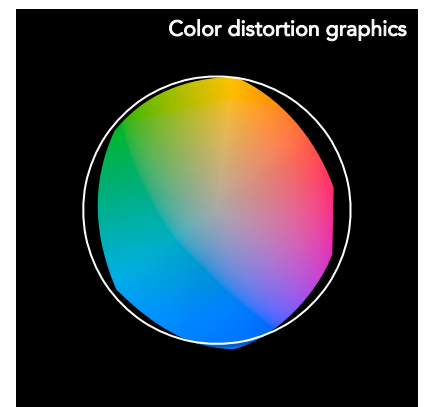
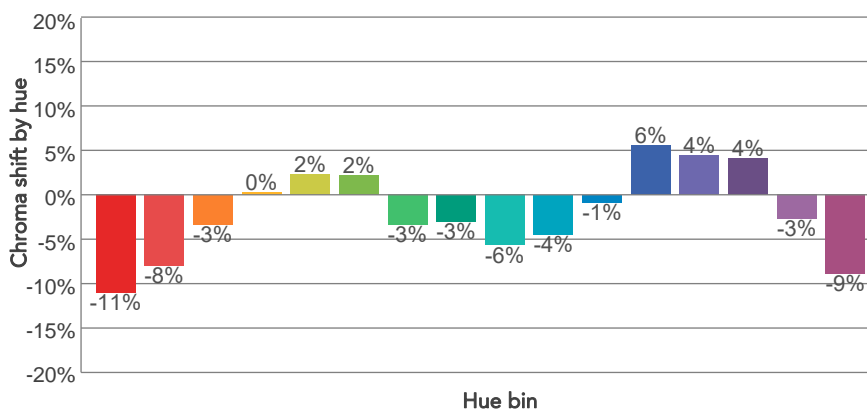
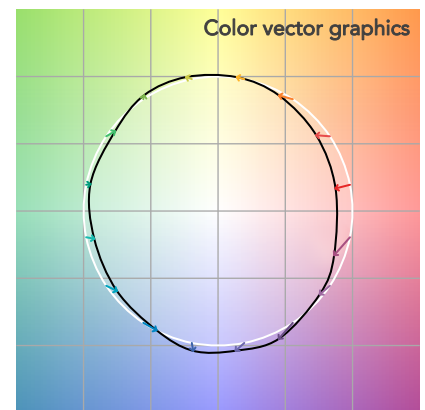
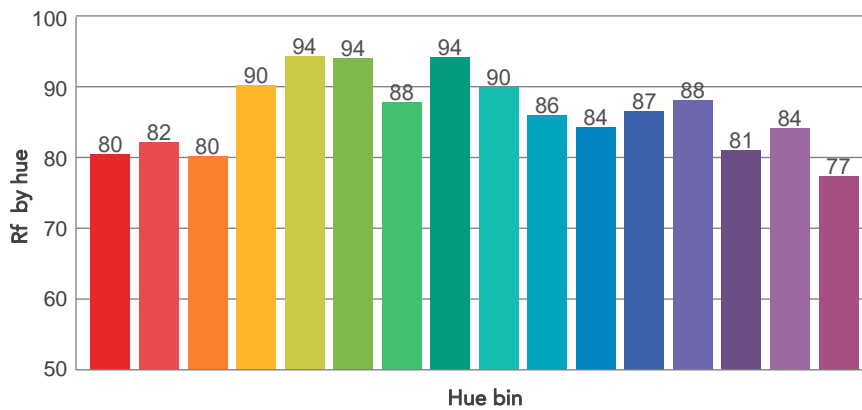
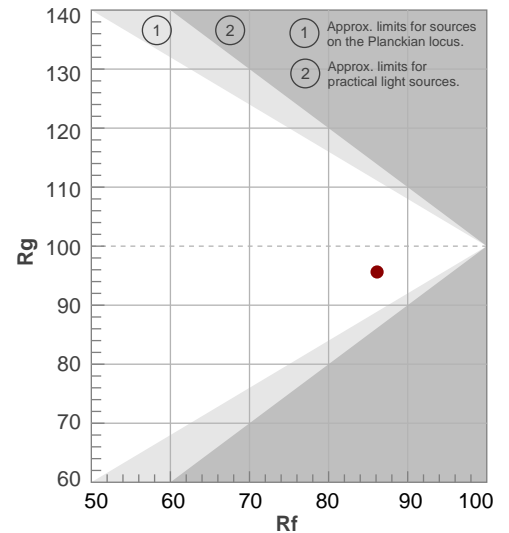
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2902 K	83,3	7,9	86,1	95,6	83,1	69	0,447	0,412	0,0018

TM30 DETAILS

Rf 86,1
Fidelity index Rf

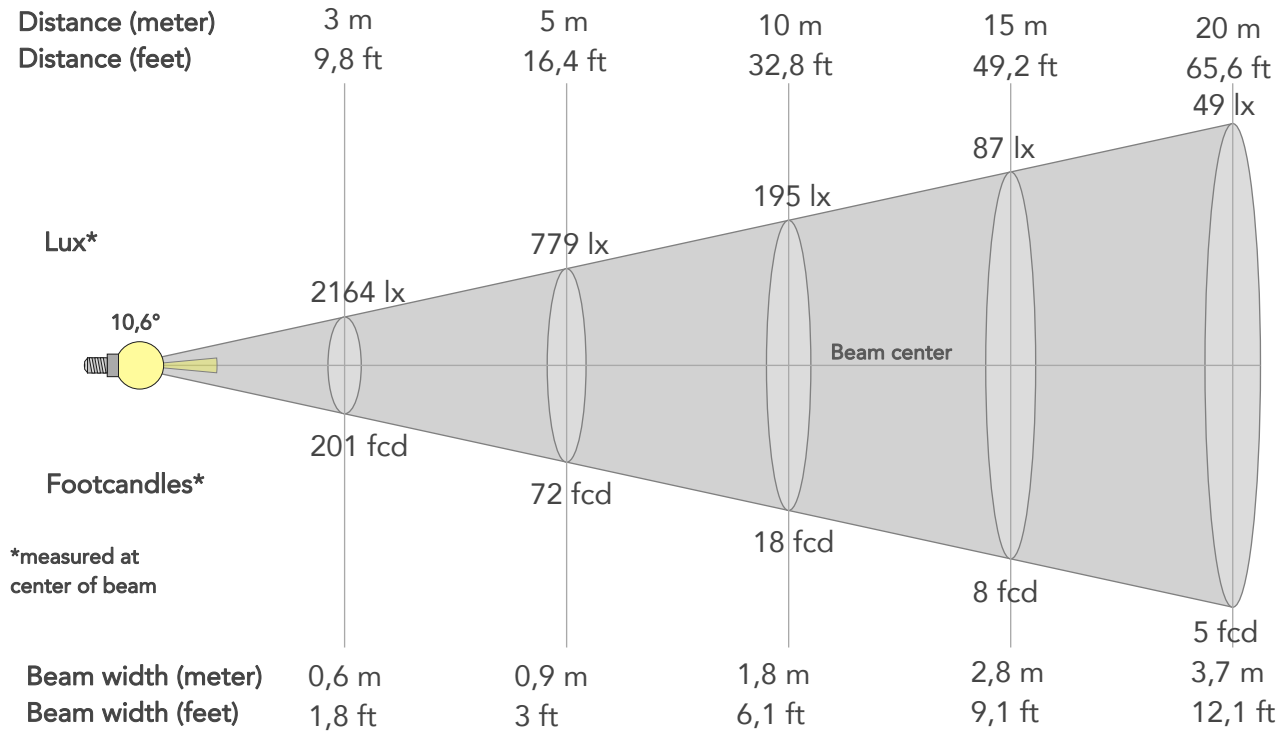
Rg 95,6
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	80	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	90	0%	6%
5	94	2%	4%
6	94	2%	-2%
7	88	-3%	-7%
8	94	-3%	-1%
9	90	-6%	2%
10	86	-4%	8%
11	84	-1%	11%
12	87	6%	2%
13	88	4%	-7%
14	81	4%	-15%
15	84	-3%	-9%
16	77	-9%	-15%



BEAM DETAILS

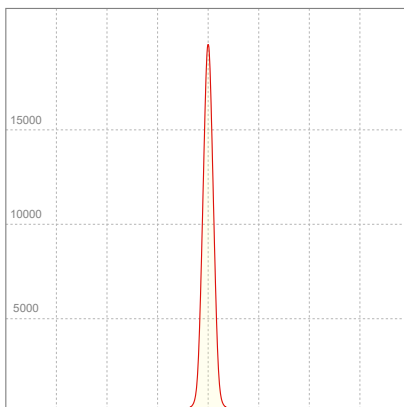
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,6°	19,1°	26,6°	97,7%	94,8%



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	19480lx	4870lx	2164lx	1217lx	779lx	346lx	195lx	87lx	49lx	31lx	22lx	12lx	8lx
Footcand.	1810fcd	452fcd	201fcd	113fcd	72fcd	32fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,8m	2,8m	3,7m	4,6m	5,5m	7,4m	9,2m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6,1ft	9,1ft	12,1ft	15,2ft	18,2ft	24,2ft	30,3ft

LINEAR DISTRIBUTION DIAGRAM

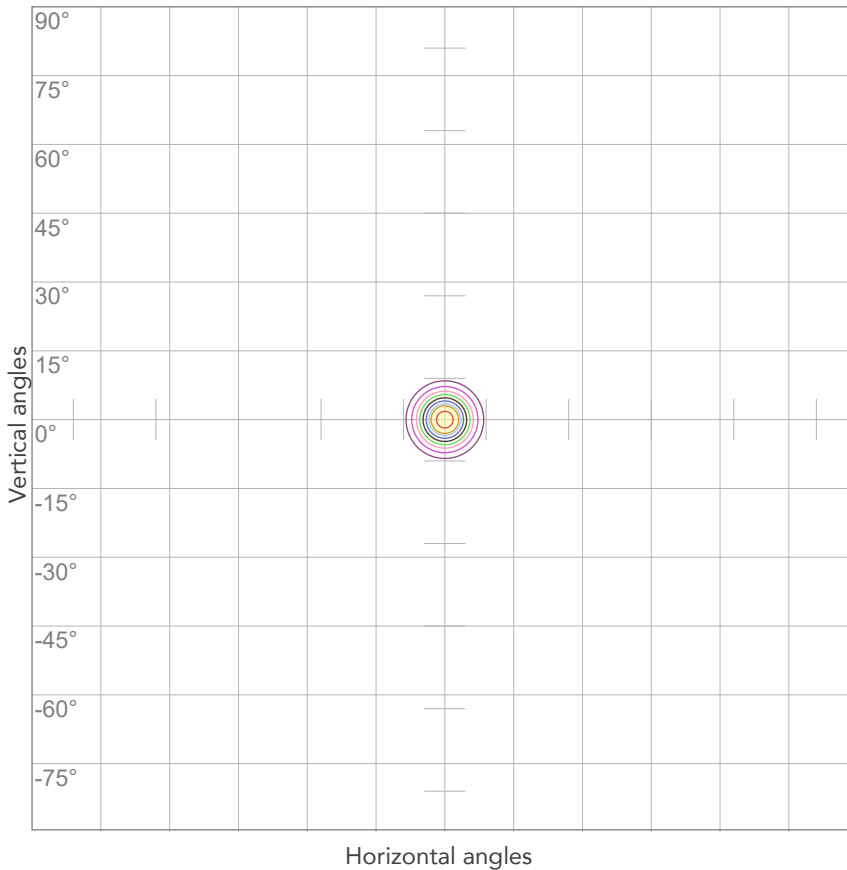


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,102A	17,7W	0,77	56lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



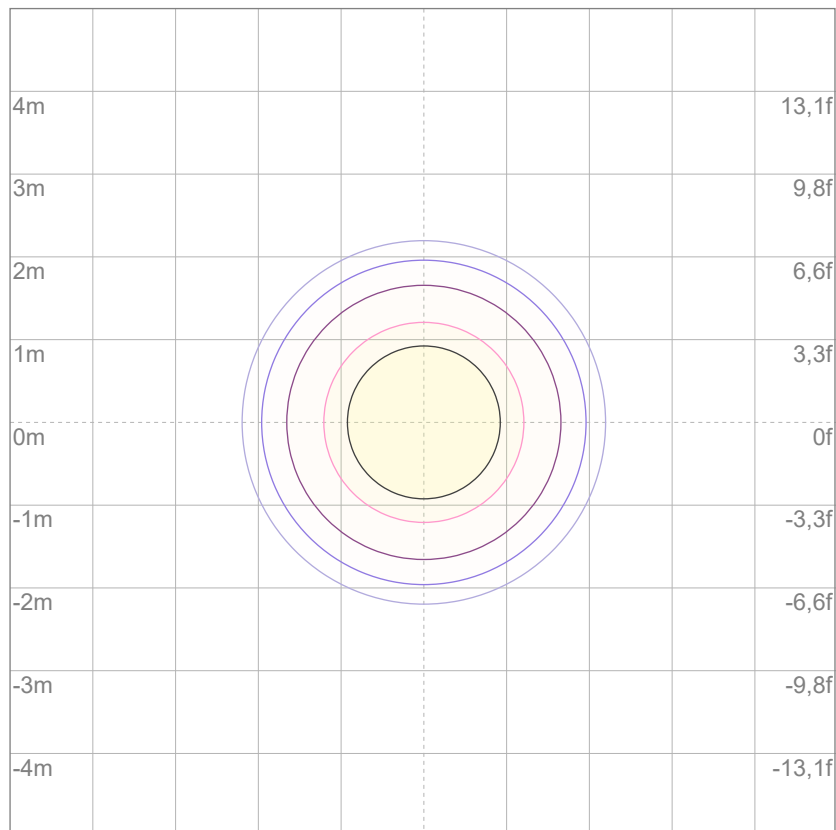
10%	1948 cd
20%	3896 cd
30%	5844 cd
40%	7792 cd
50%	9740 cd
60%	11688 cd
70%	13636 cd
80%	15584 cd

Conditions:

Number of c-planes: 2

Candela at center: 19480 cd

ISO LUX DIAGRAM



3%	5,84 lx
5%	9,74 lx
10%	19,5 lx
30%	58,4 lx
50%	97,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 195 lx

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



Total lumen output:

939 lm

Peak candela output:

3866 cd

Light quality:

CRI: 83,2

Color temperature:

2898 K

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

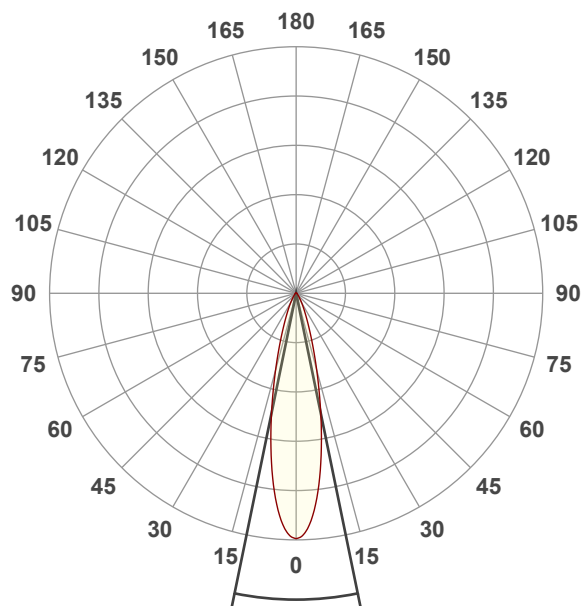
White

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:14:54

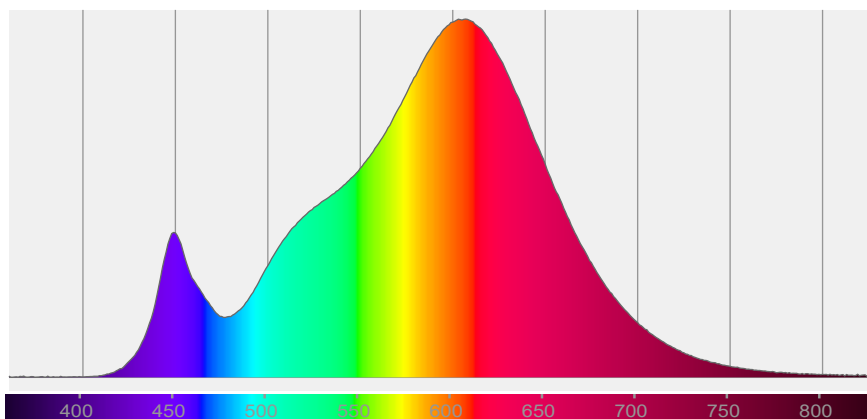


Beam angle 50%: 23,2°

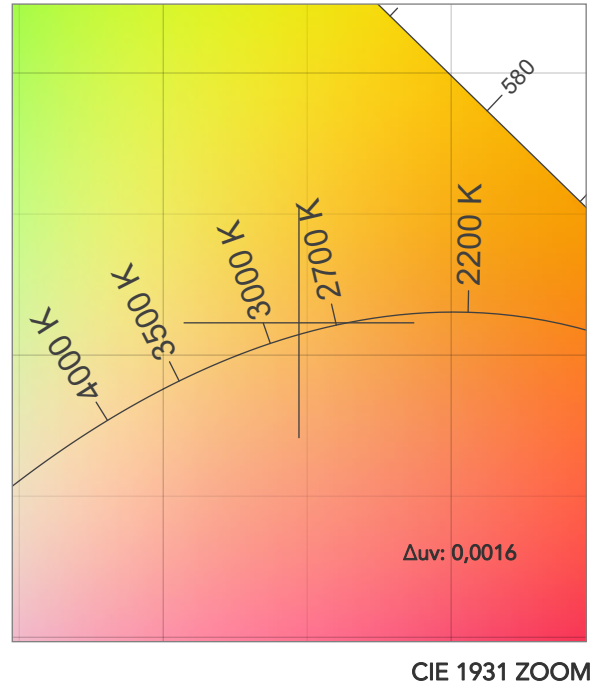
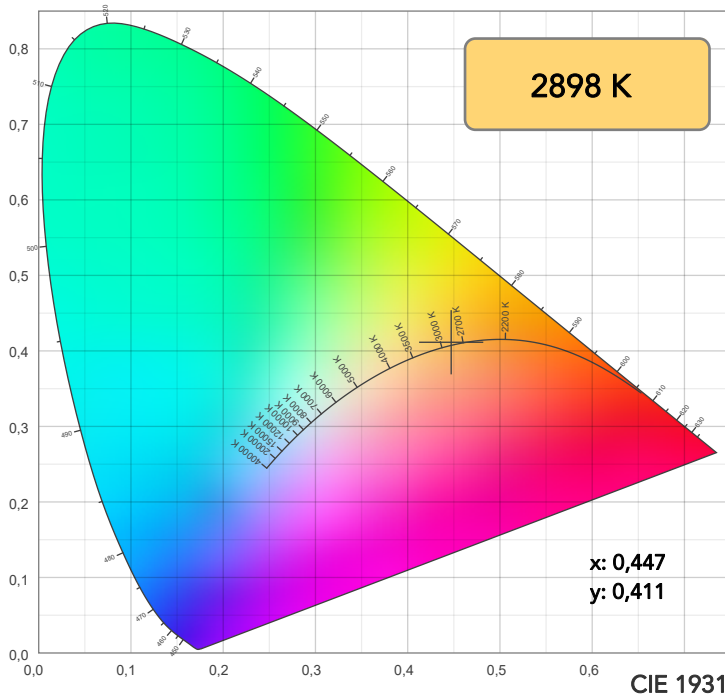
Field angle 10%: 47°

Cut off angle 2.5%: 71,1°

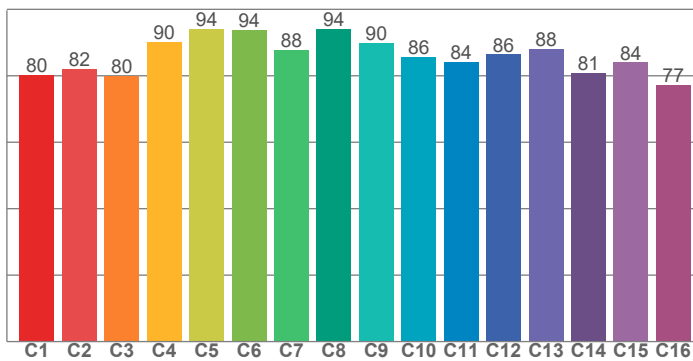
Spectra



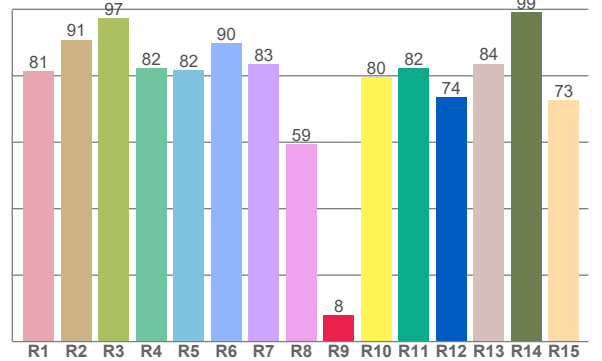
COLOR DETAILS



TM30: 86,0



CRI: 83,2 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81,4	90,8	97,3	82,2	81,6	89,7	83,5	59,4	8,0	79,5	82,3	73,6	83,6	99,1	72,7

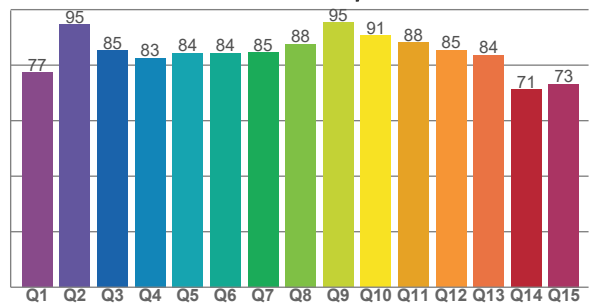
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,4	82,1	80,1	90,2	94,2	93,9	87,7	94,1	89,9	85,7	84,1	86,4	88,0	80,9	84,1	77,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,3	94,6	85,2	82,7	84,4	84,4	84,5	87,6	95,3	90,7	88,1	85,3	83,6	71,1	73,3

CQS: 83,1



COLOR PARAMETERS

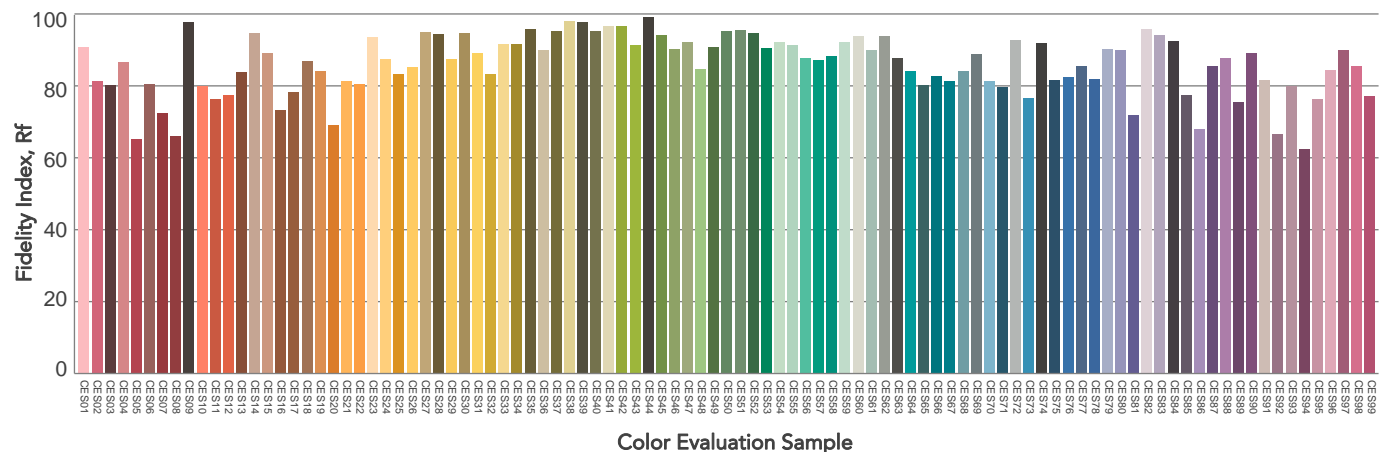
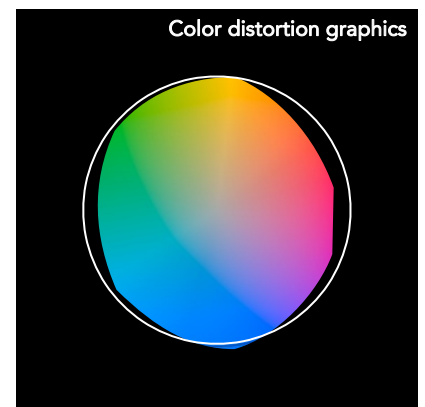
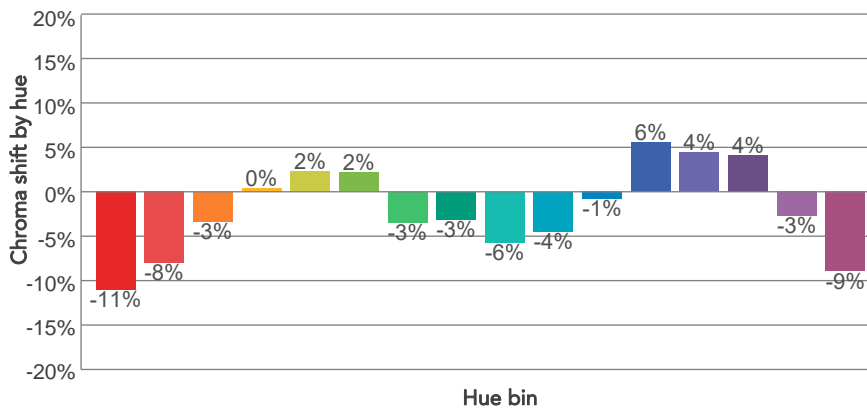
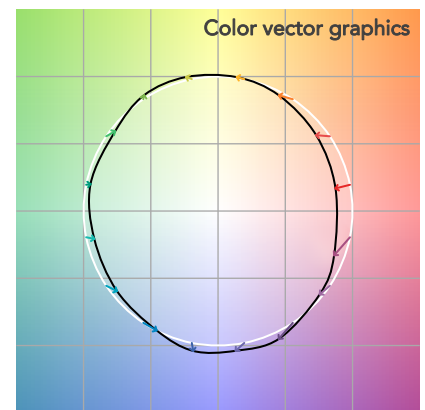
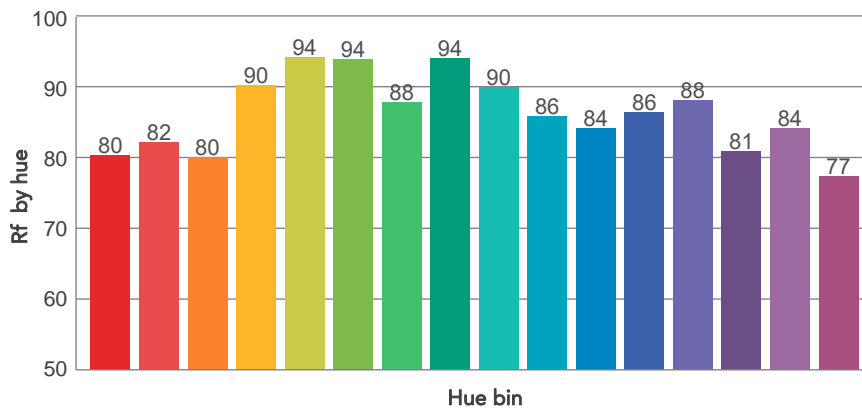
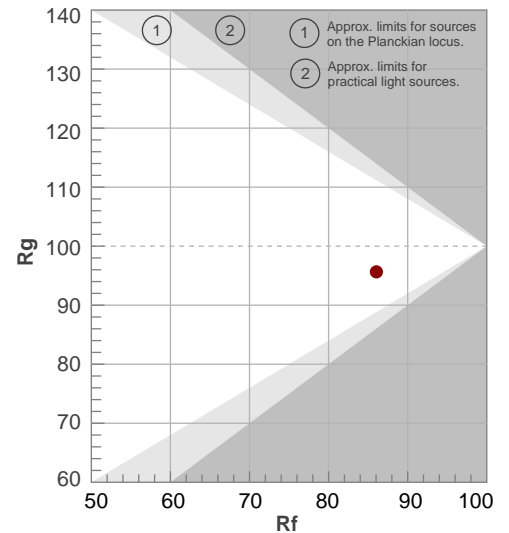
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2898 K	83,2	8,0	86,0	95,6	83,1	69	0,447	0,411	0,0016

TM30 DETAILS

Rf 86,0
Fidelity index Rf

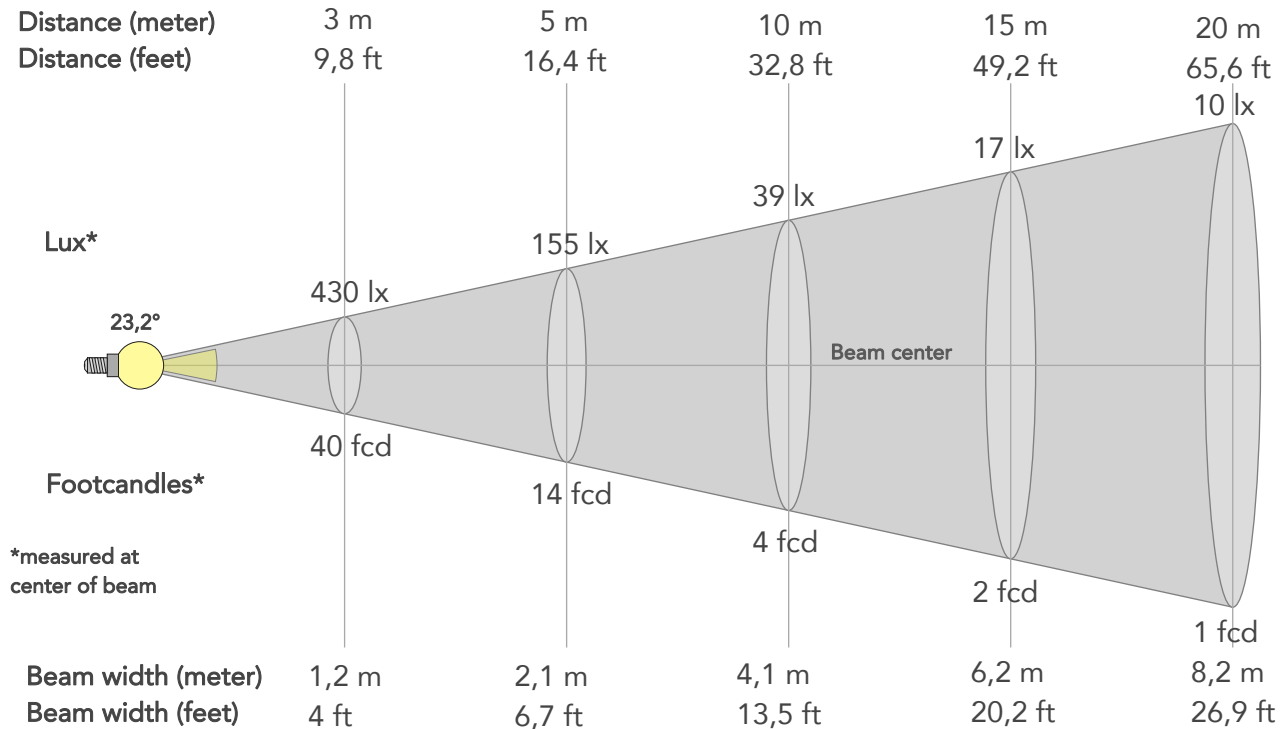
Rg 95,6
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	80	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	90	0%	6%
5	94	2%	4%
6	94	2%	-2%
7	88	-3%	-7%
8	94	-3%	-1%
9	90	-6%	2%
10	86	-4%	8%
11	84	-1%	11%
12	86	6%	2%
13	88	4%	-7%
14	81	4%	-15%
15	84	-3%	-10%
16	77	-9%	-15%



BEAM DETAILS

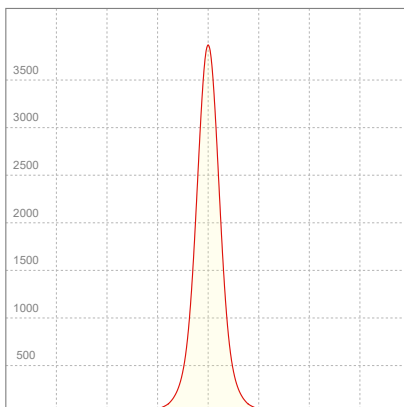
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,2°	47°	71,1°	97,6%	93,5%



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	3866lx	966lx	430lx	242lx	155lx	69lx	39lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	359fcd	90fcd	40fcd	22fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2,1m	3,1m	4,1m	6,2m	8,2m	10,3m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,5ft	20,2ft	26,9ft	33,7ft	40,4ft	53,9ft	67,3ft

LINEAR DISTRIBUTION DIAGRAM

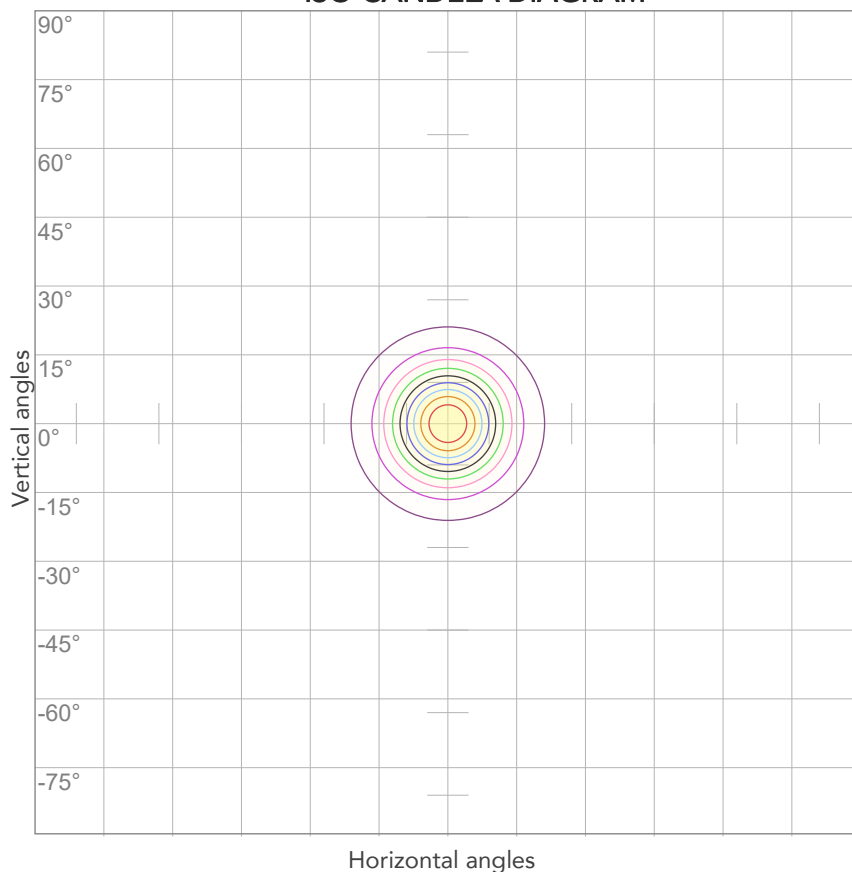


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,100A	17,5W	0,77	54lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



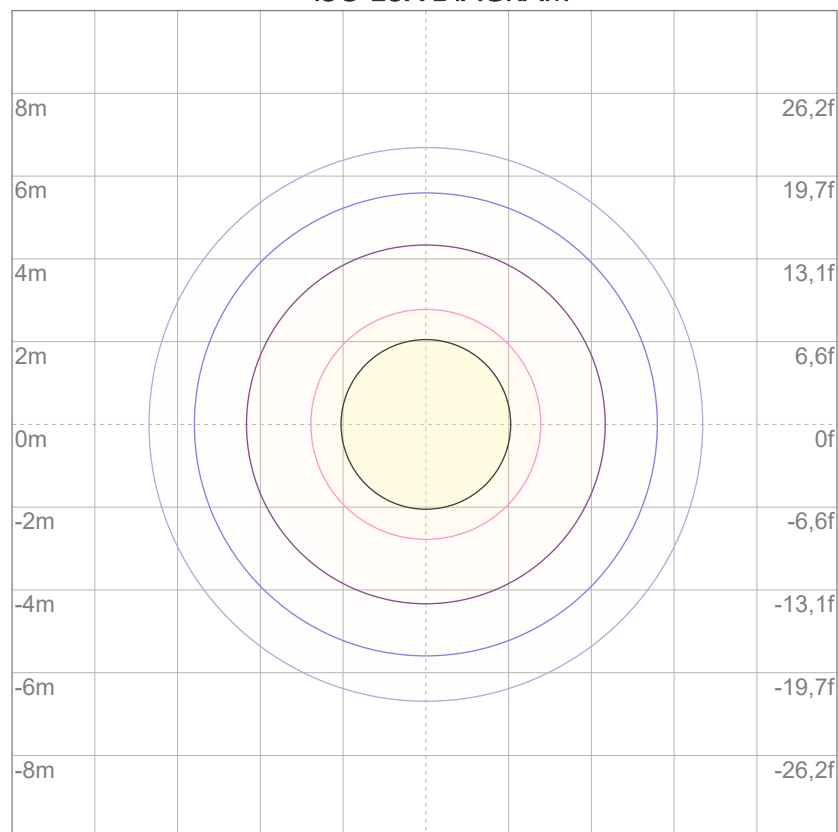
10%	387 cd
20%	773 cd
30%	1160 cd
40%	1546 cd
50%	1933 cd
60%	2319 cd
70%	2706 cd
80%	3092 cd

Conditions:

Number of c-planes: 2

Candela at center: 3866 cd

ISO LUX DIAGRAM



3%	1,16 lx
5%	1,93 lx
10%	3,87 lx
30%	11,6 lx
50%	19,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 38,7 lx

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



Total lumen output:

880 lm

Peak candela output:

1113 cd

Light quality:

CRI: 83,2

Color temperature:

2905 K

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

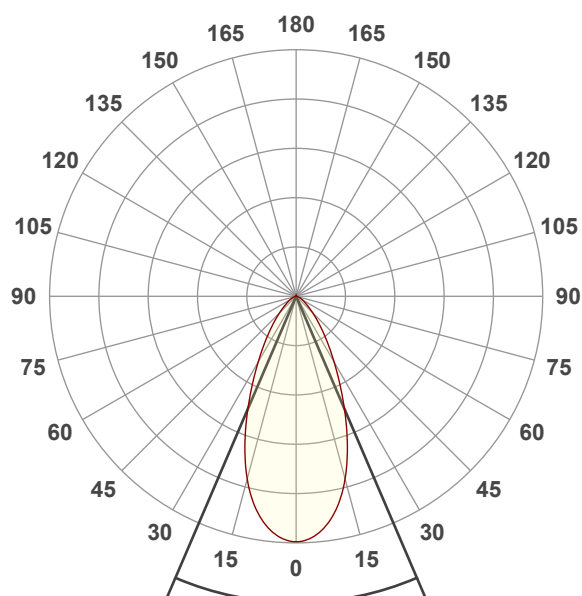
White

Operator:

Giacomo Matteo

Date and time:

09/02/2024 13:32:55

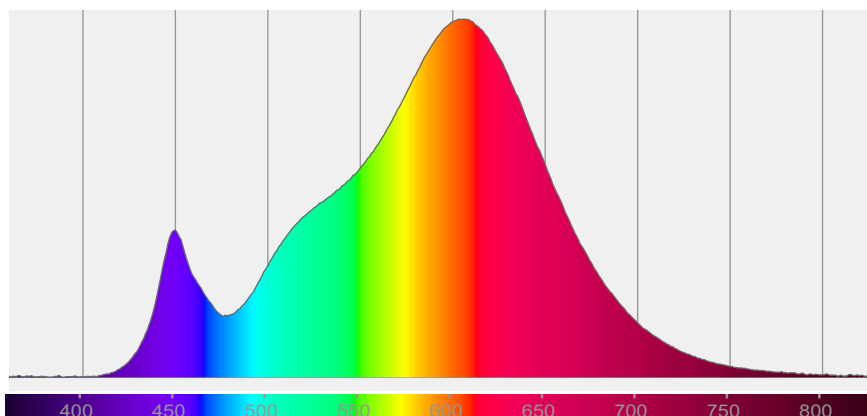


Beam angle 50%: 46,4°

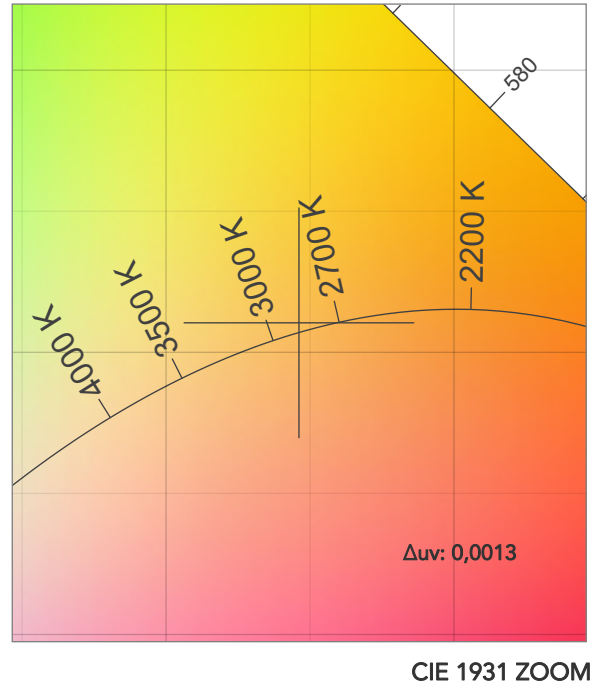
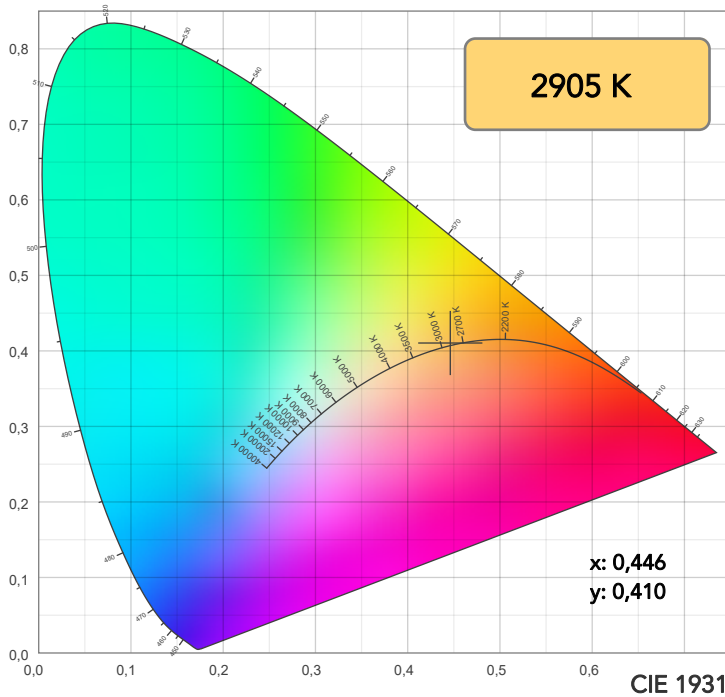
Field angle 10%: 89,1°

Cut off angle 2.5%: 125,4°

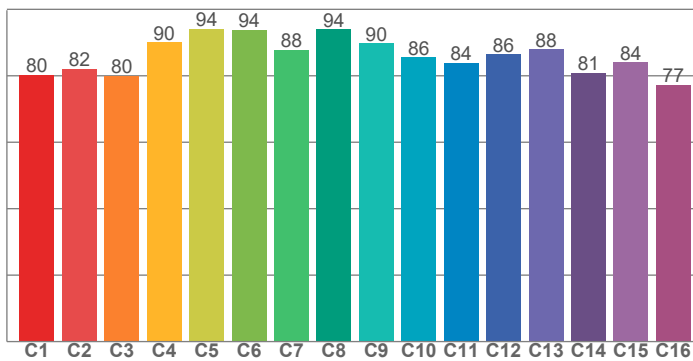
Spectra



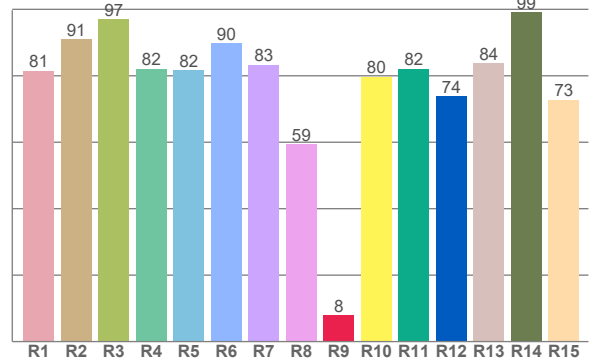
COLOR DETAILS



TM30: 86,0



CRI: 83,2 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81,5	91,0	97,1	82,1	81,7	89,8	83,3	59,3	7,9	79,7	82,1	73,7	83,7	99,0	72,8

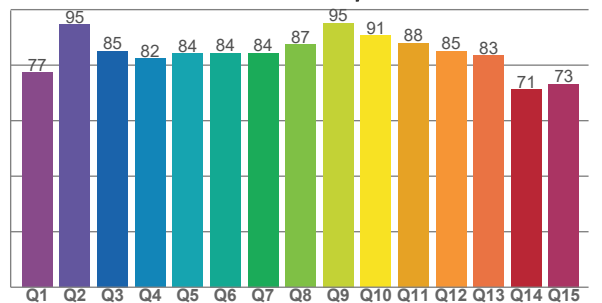
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,3	82,0	79,9	90,1	94,1	93,8	87,7	93,9	89,8	85,5	84,0	86,4	88,0	80,8	84,1	77,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,4	94,6	85,0	82,4	84,2	84,4	84,4	87,4	95,3	90,6	87,9	85,1	83,4	71,2	73,3

CQS: 83,0



COLOR PARAMETERS

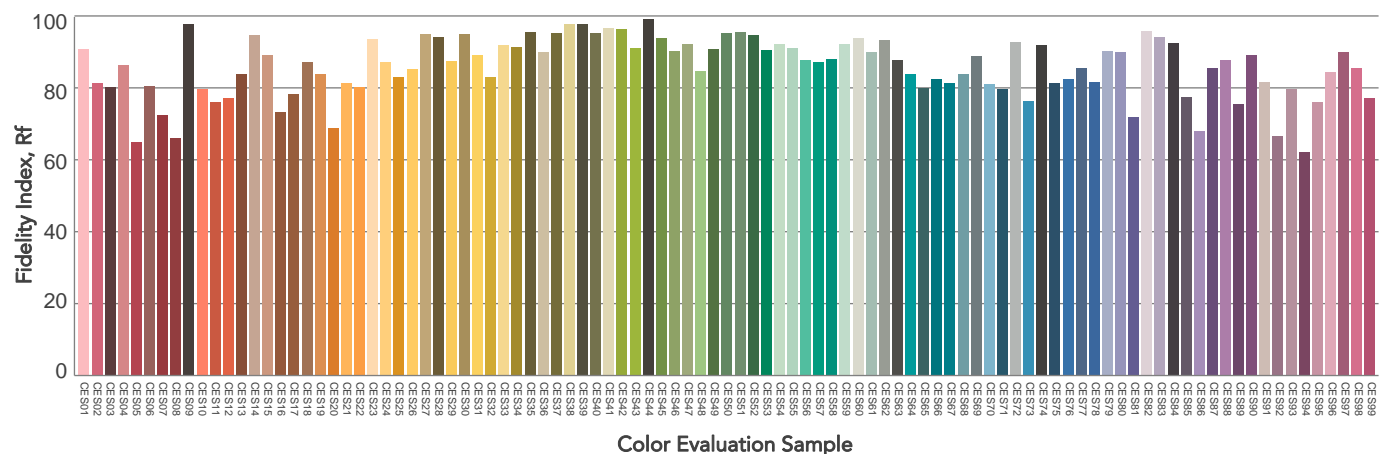
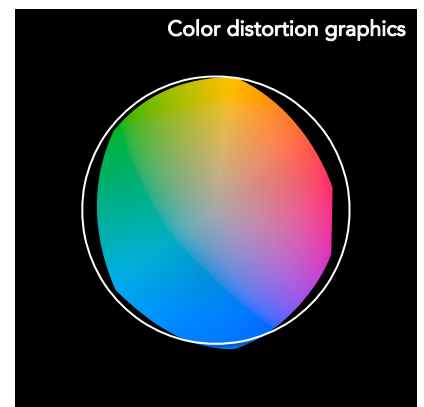
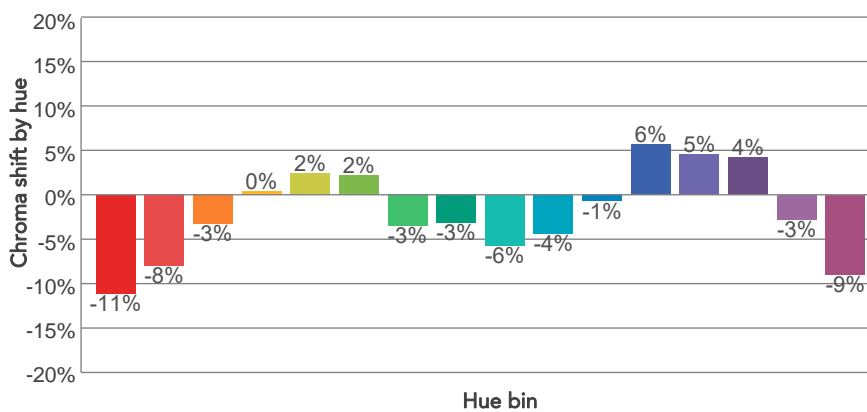
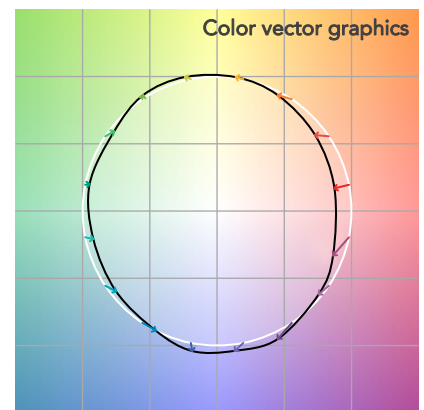
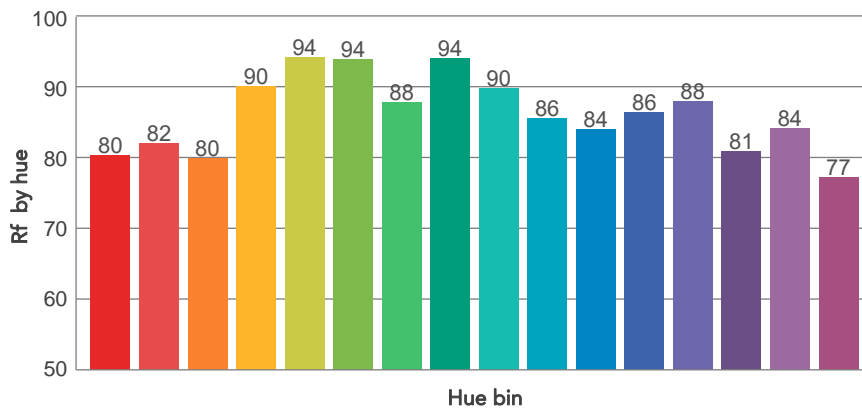
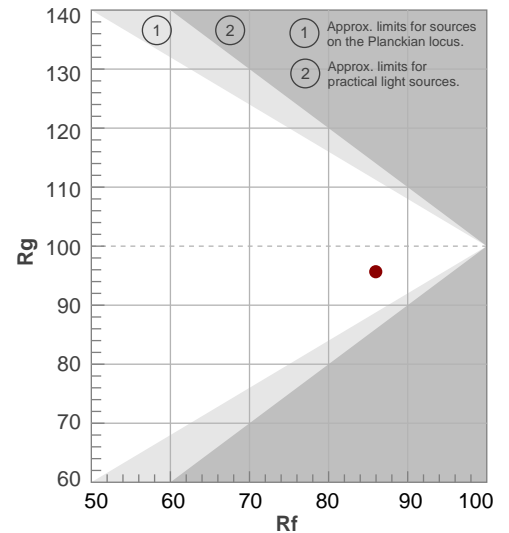
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2905 K	83,2	7,9	86,0	95,7	83,0	69	0,446	0,410	0,0013

TM30 DETAILS

Rf 86,0
Fidelity index Rf

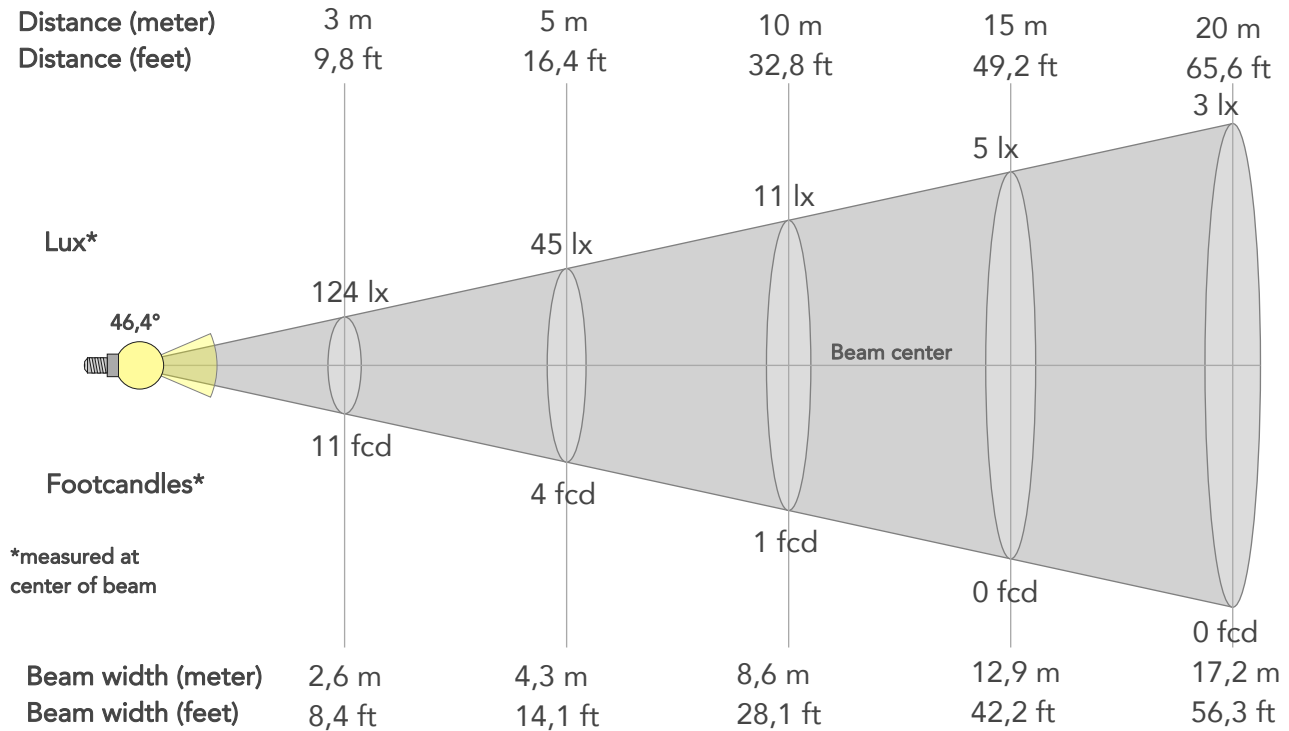
Rg 95,7
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	80	-11%	0%
2	82	-8%	6%
3	80	-3%	10%
4	90	0%	6%
5	94	2%	4%
6	94	2%	-2%
7	88	-3%	-7%
8	94	-3%	-1%
9	90	-6%	2%
10	86	-4%	8%
11	84	-1%	11%
12	86	6%	2%
13	88	5%	-7%
14	81	4%	-15%
15	84	-3%	-9%
16	77	-9%	-16%



BEAM DETAILS

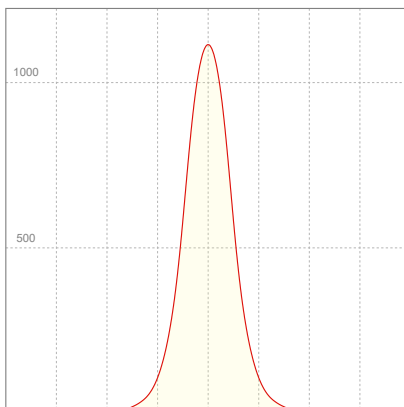
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46,4°	89,1°	125,4°	95,7%	86,7%



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	1113lx	278lx	124lx	70lx	45lx	20lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	103fcd	26fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,7m	2,6m	3,4m	4,3m	6,4m	8,6m	12,9m	17,2m	21,4m	25,7m	34,3m	42,9m
Beam wid.	2,8ft	5,7ft	8,4ft	11,2ft	14,1ft	21,1ft	28,1ft	42,2ft	56,3ft	70,3ft	84,4ft	112,5ft	140,7ft

LINEAR DISTRIBUTION DIAGRAM

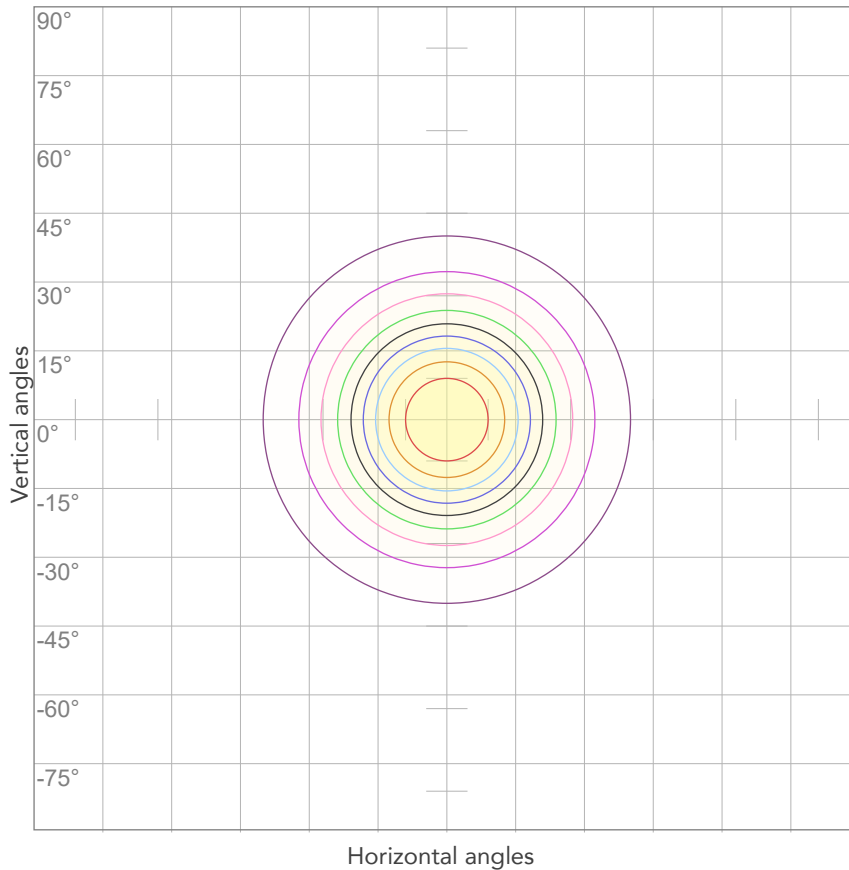


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,100A	17,4W	0,77	51lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



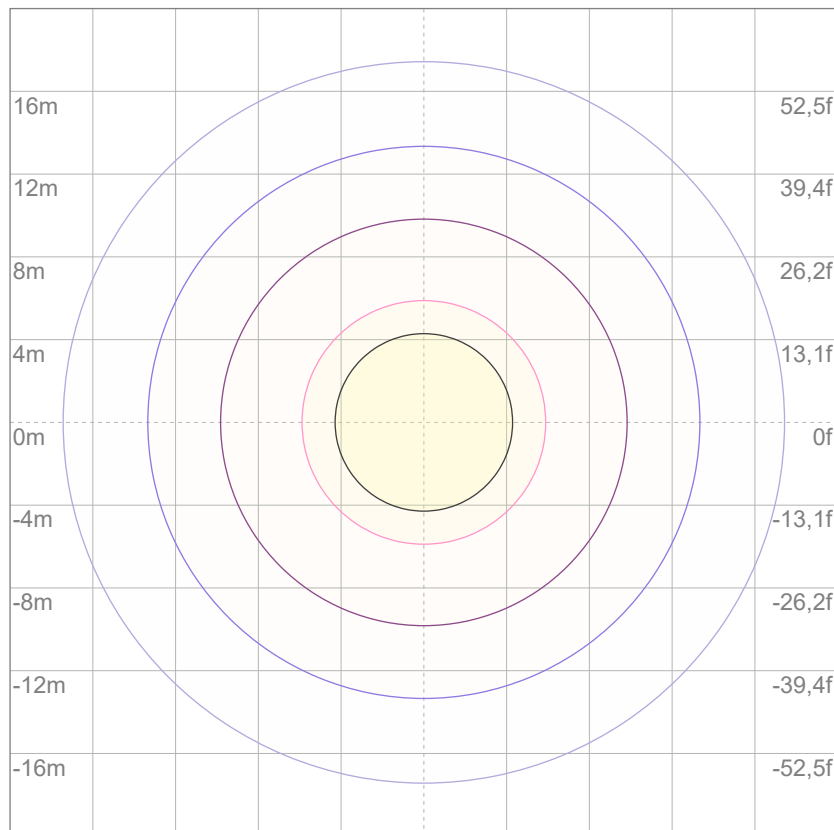
10%	111 cd
20%	223 cd
30%	334 cd
40%	445 cd
50%	556 cd
60%	668 cd
70%	779 cd
80%	890 cd

Conditions:

Number of c-planes: 2

Candela at center: 1113 cd

ISO LUX DIAGRAM



3%	0,334 lx
5%	0,556 lx
10%	1,11 lx
30%	3,34 lx
50%	5,56 lx

Conditions:

Number of c-planes: 2

Lux at center: 11,1 lx

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



Total lumen output:

894 lm

Peak candela output:

831 cd

Light quality:

CRI: 83,3

Color temperature:

2907 K

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

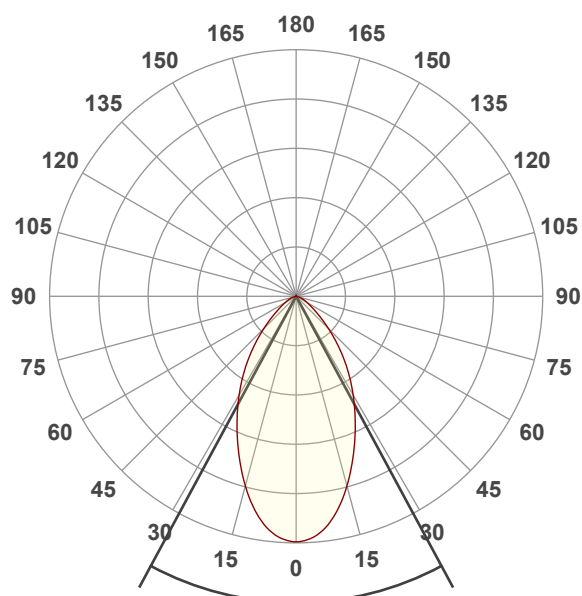
White

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:25:48

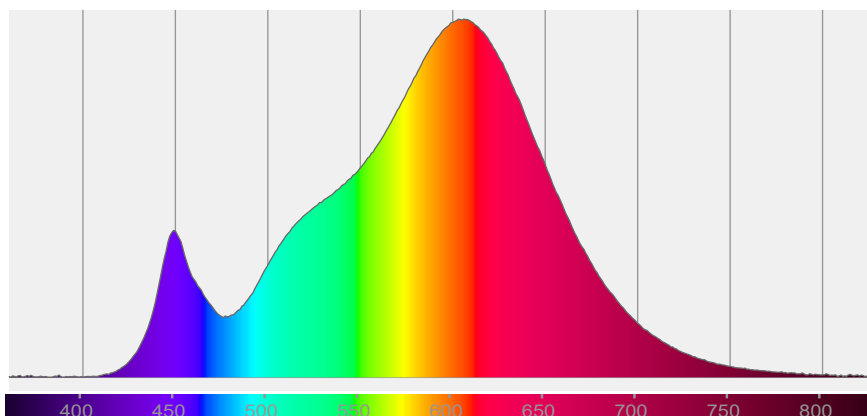


Beam angle 50%: 56,6°

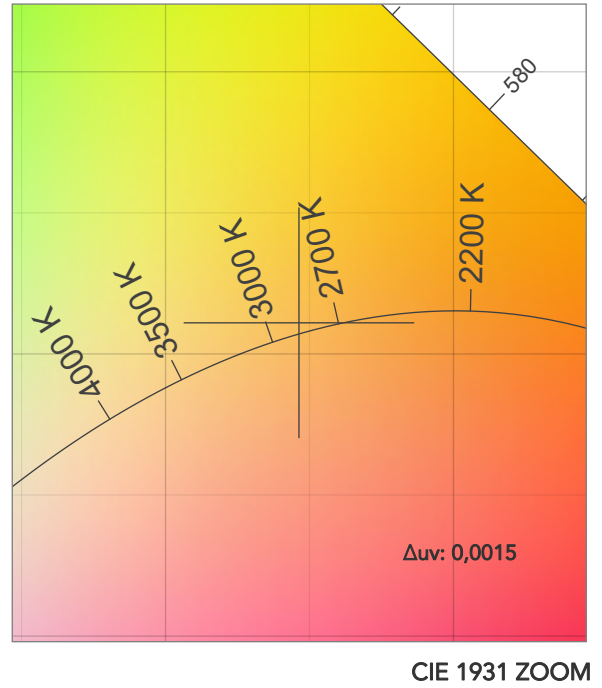
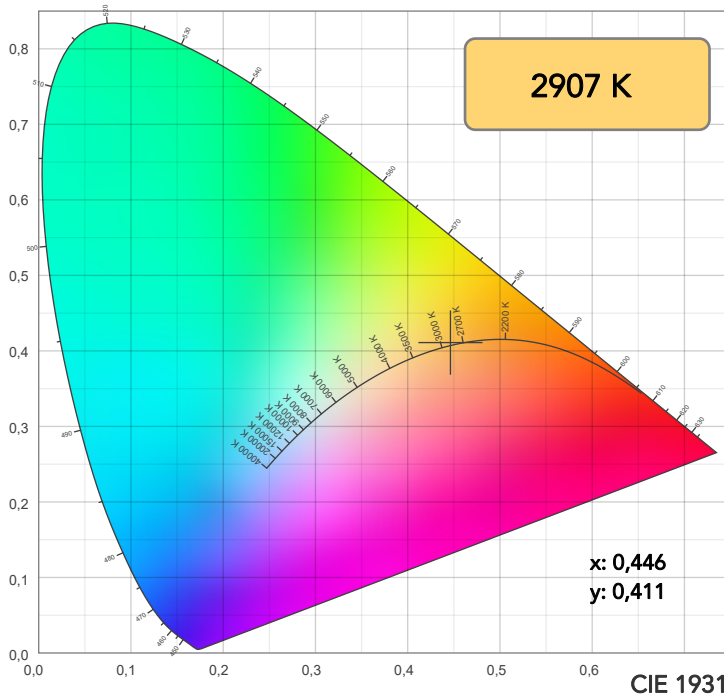
Field angle 10%: 104,5°

Cut off angle 2.5%: 137,9°

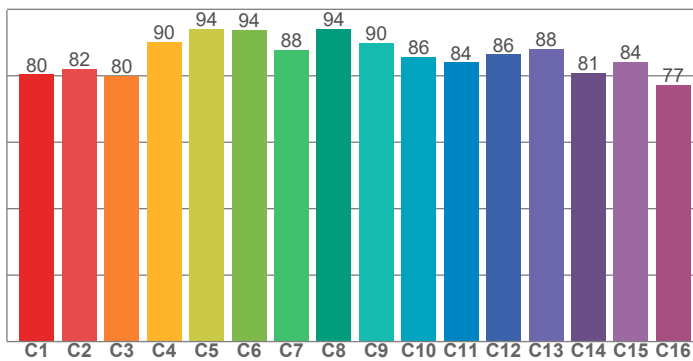
Spectra



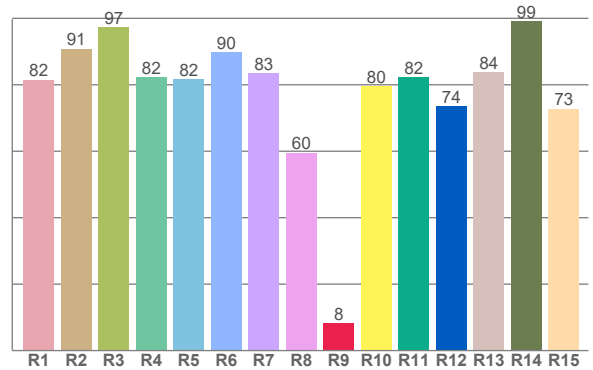
COLOR DETAILS



TM30: 86,1



CRI: 83,3 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81,5	90,9	97,3	82,3	81,7	89,7	83,5	59,5	8,2	79,6	82,3	73,6	83,7	99,1	72,8

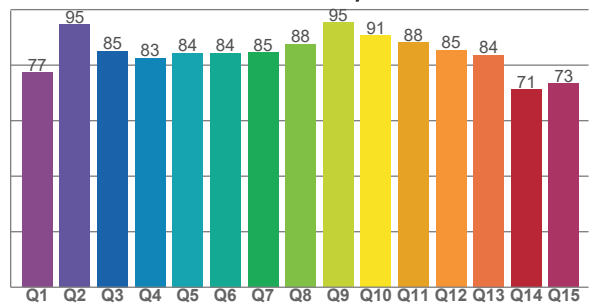
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,4	82,2	80,1	90,1	94,2	93,9	87,8	94,1	89,9	85,7	84,1	86,4	88,1	80,9	84,1	77,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,4	94,6	85,2	82,6	84,4	84,5	84,6	87,6	95,3	90,7	88,1	85,3	83,6	71,2	73,3

CQS: 83,1



COLOR PARAMETERS

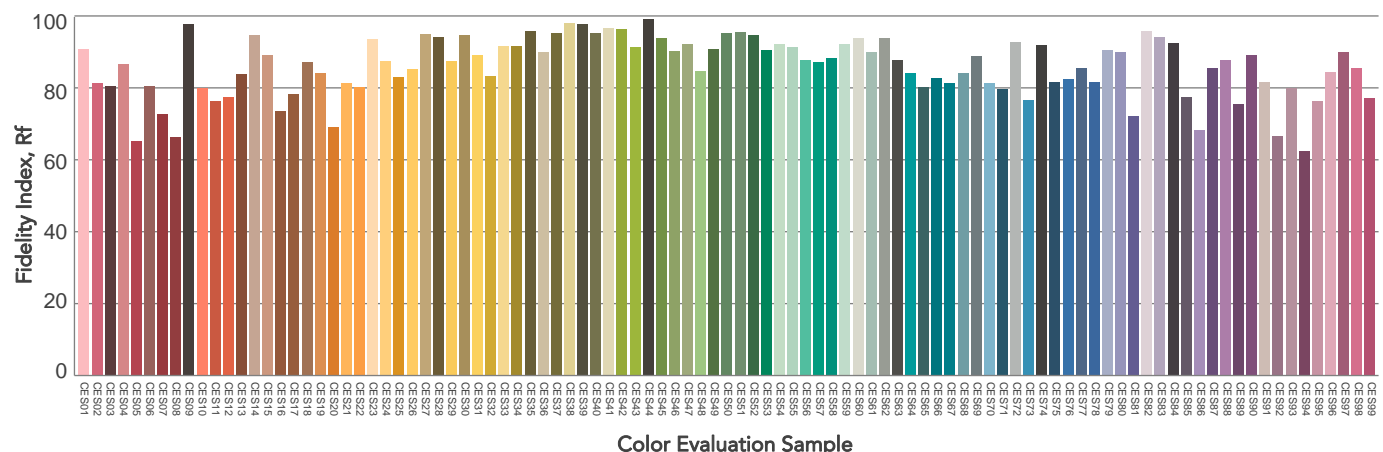
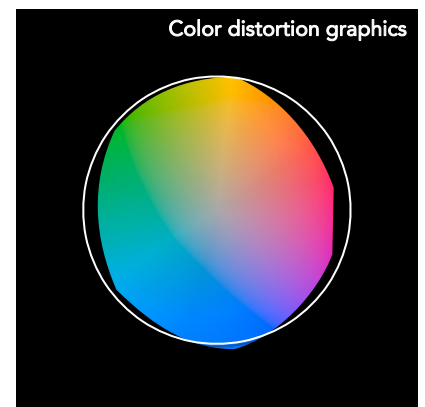
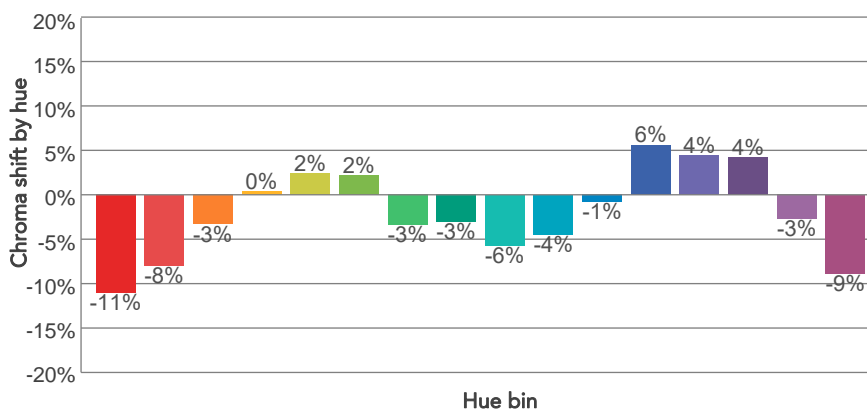
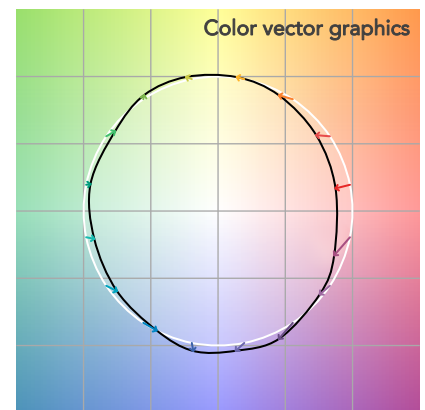
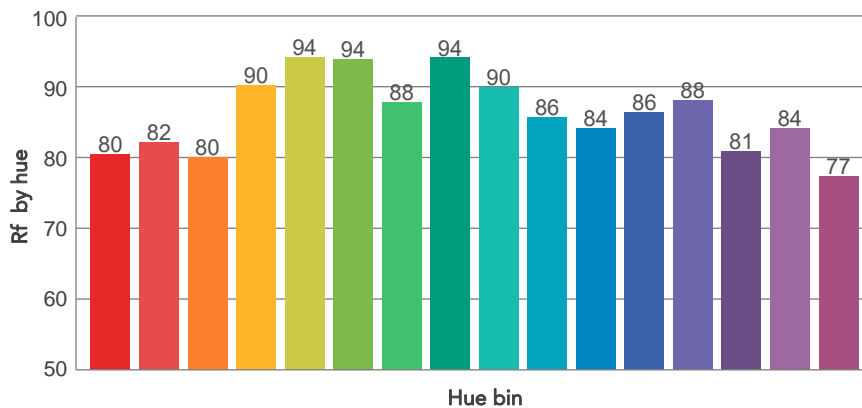
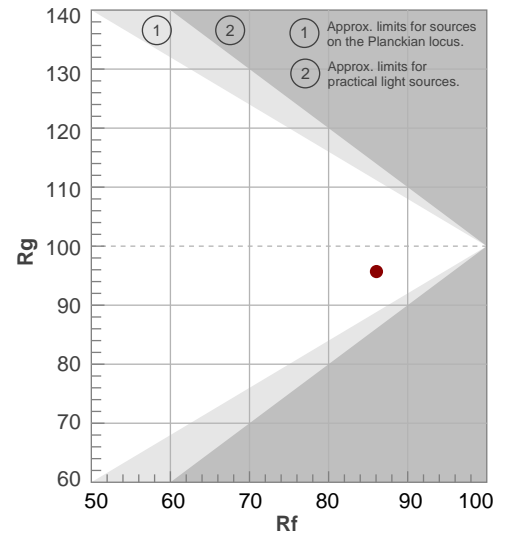
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2907 K	83,3	8,2	86,1	95,7	83,1	70	0,446	0,411	0,0015

TM30 DETAILS

Rf 86,1
Fidelity index Rf

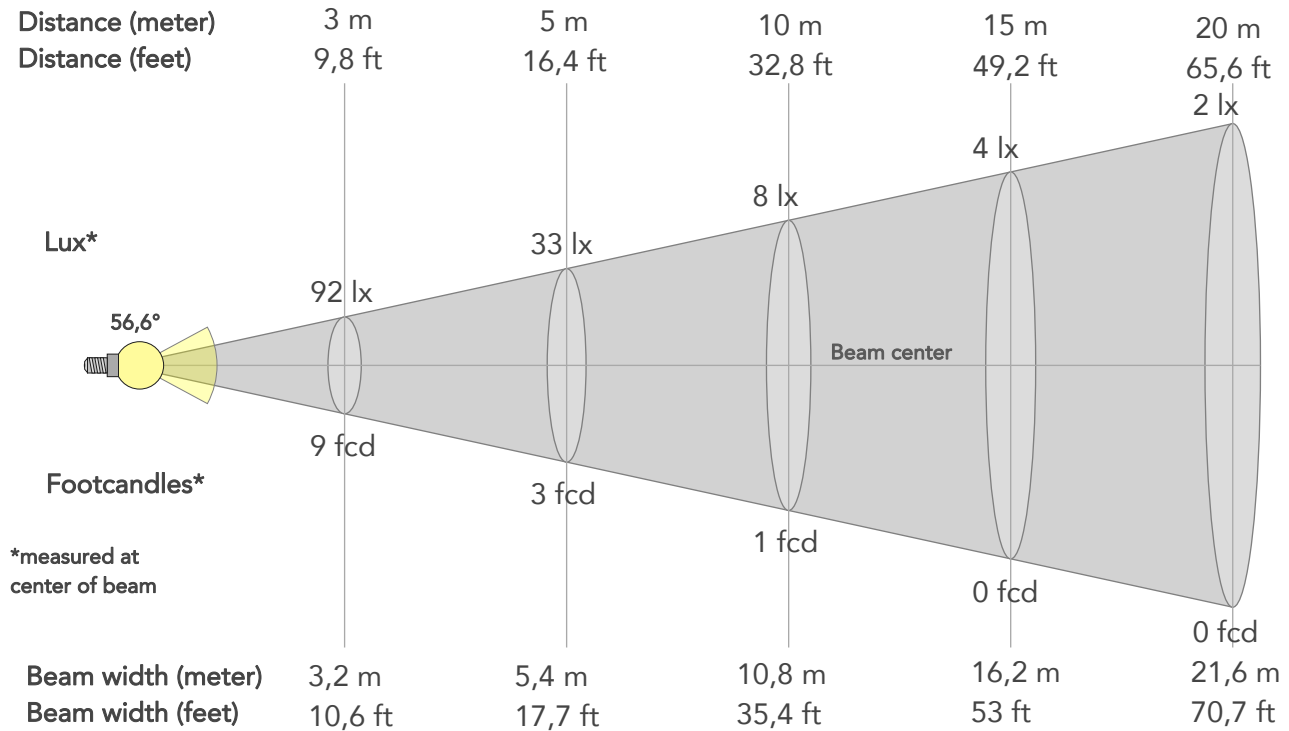
Rg 95,7
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	80	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	90	0%	6%
5	94	2%	4%
6	94	2%	-2%
7	88	-3%	-7%
8	94	-3%	-1%
9	90	-6%	2%
10	86	-4%	8%
11	84	-1%	11%
12	86	6%	2%
13	88	4%	-7%
14	81	4%	-15%
15	84	-3%	-9%
16	77	-9%	-15%



BEAM DETAILS

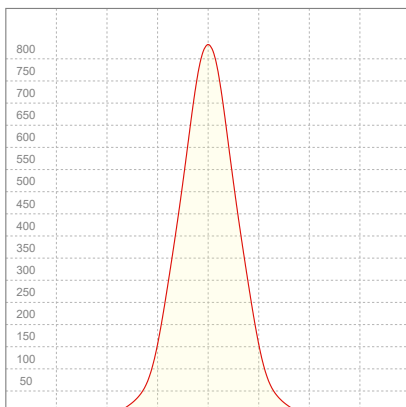
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,6°	104,5°	137,9°	94,9%	82,5%



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	831lx	208lx	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.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,6m	26,9m	32,3m	43,1m	53,9m
Beam wid.	3,6ft	7,1ft	10,6ft	14,1ft	17,7ft	26,5ft	35,4ft	53ft	70,7ft	88,4ft	106,1ft	141,4ft	176,8ft

LINEAR DISTRIBUTION DIAGRAM

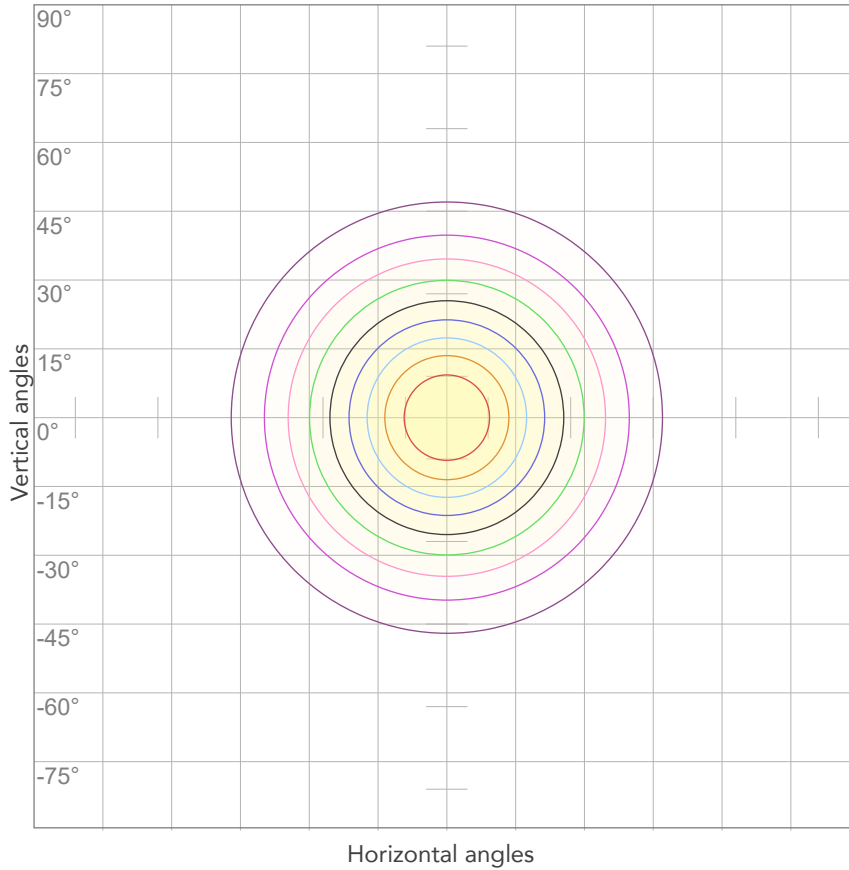


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,101A	17,5W	0,77	51lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



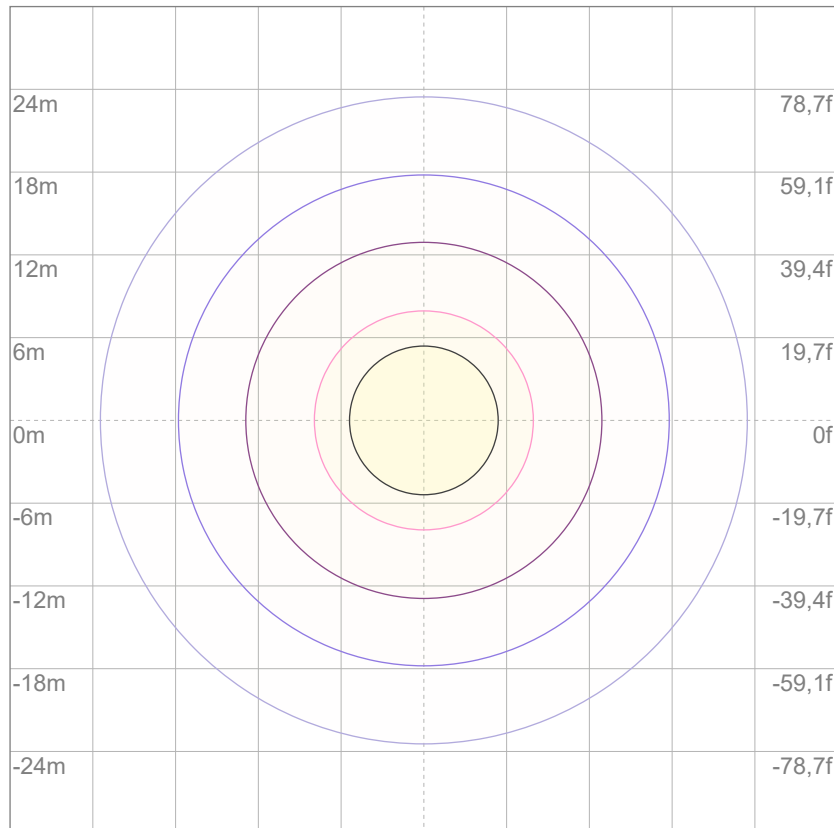
10%	83 cd
20%	166 cd
30%	249 cd
40%	332 cd
50%	415 cd
60%	498 cd
70%	581 cd
80%	665 cd

Conditions:

Number of c-planes: 2

Candela at center: 831 cd

ISO LUX DIAGRAM



3%	0,249 lx
5%	0,415 lx
10%	0,831 lx
30%	2,49 lx
50%	4,15 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,31 lx

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



Total lumen output:

1022 lm

Peak candela output:

3031 cd

Light quality:

CRI: 83,1

Color temperature:

2886 K

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° +10°x 60° Filter

Target:

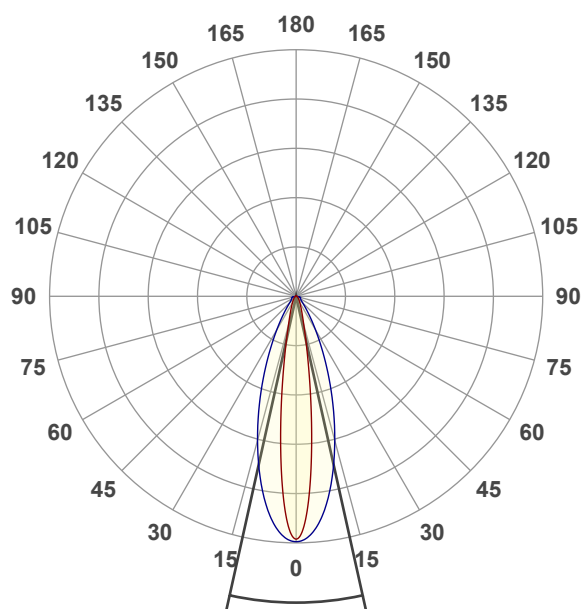
White

Operator:

Giacomo Matteo

Date and time:

09/02/2024 14:47:26

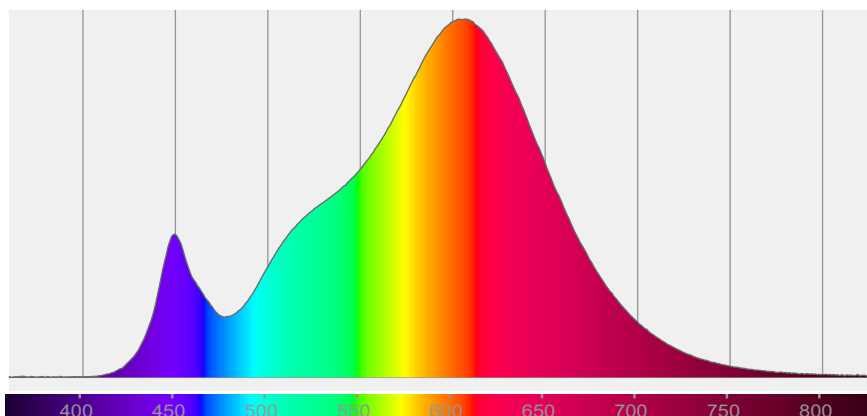


Beam angle 50%: 25,1°

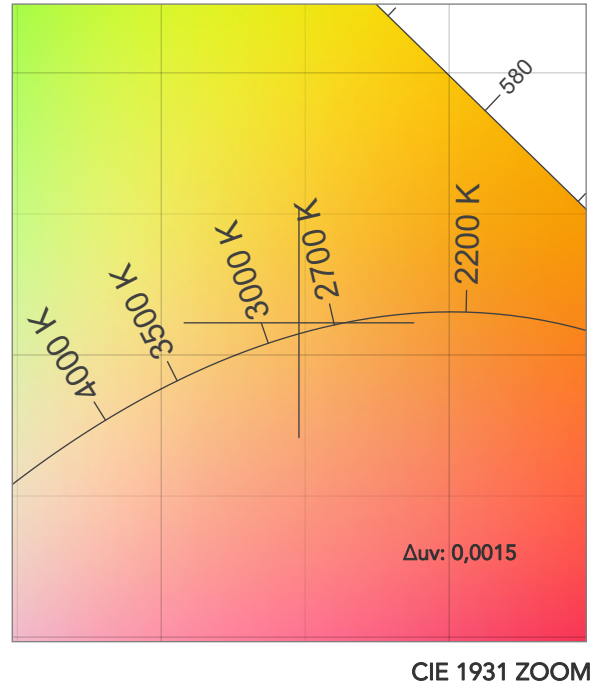
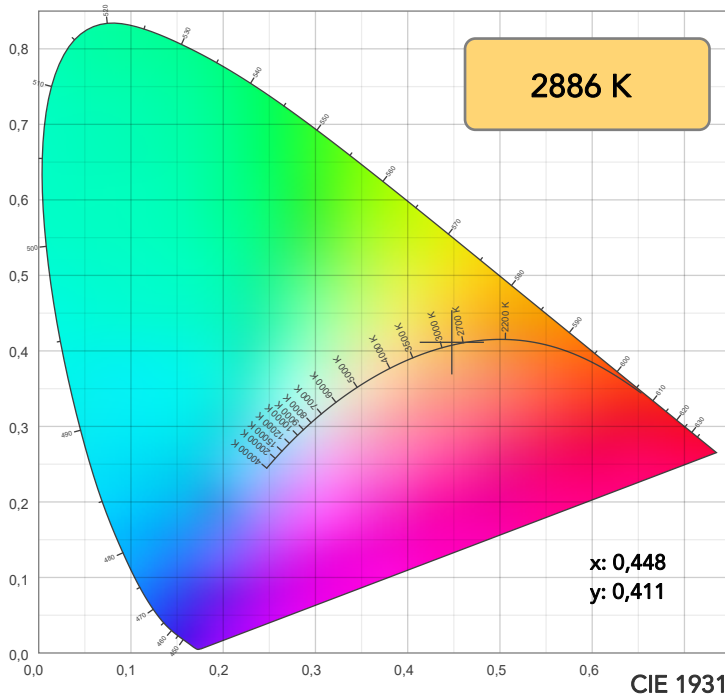
Field angle 10%: 50,7°

Cut off angle 2.5%: 86°

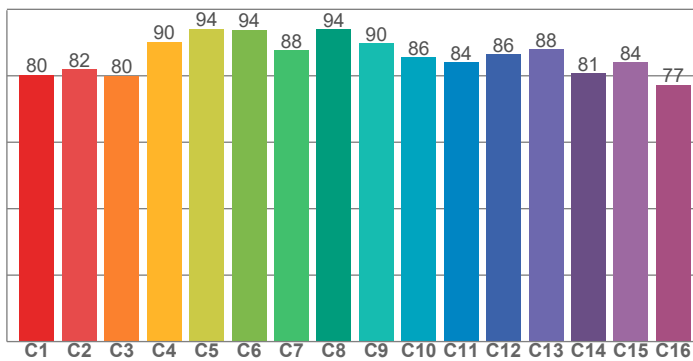
Spectra



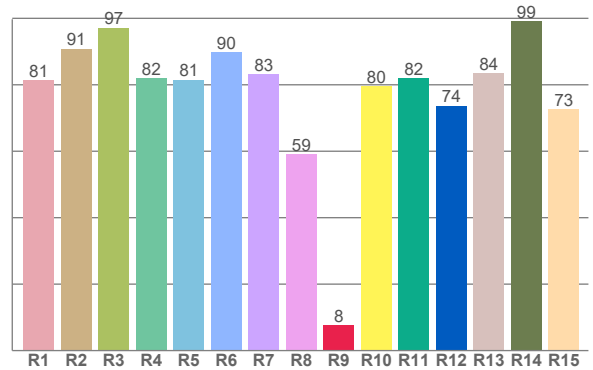
COLOR DETAILS



TM30: 86,0



CRI: 83,1 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81,3	90,9	97,1	81,9	81,5	89,7	83,3	59,2	7,7	79,6	82,0	73,7	83,6	99,0	72,6

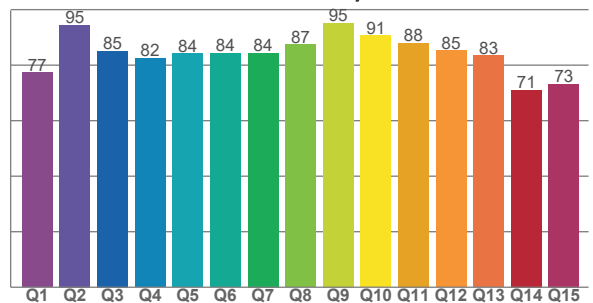
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,2	82,0	79,9	90,2	94,2	93,9	87,7	93,9	89,7	85,5	84,0	86,4	87,9	80,8	84,0	77,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,3	94,5	85,2	82,5	84,2	84,3	84,4	87,4	95,2	90,7	88,0	85,2	83,4	71,1	73,2

CQS: 83,0



COLOR PARAMETERS

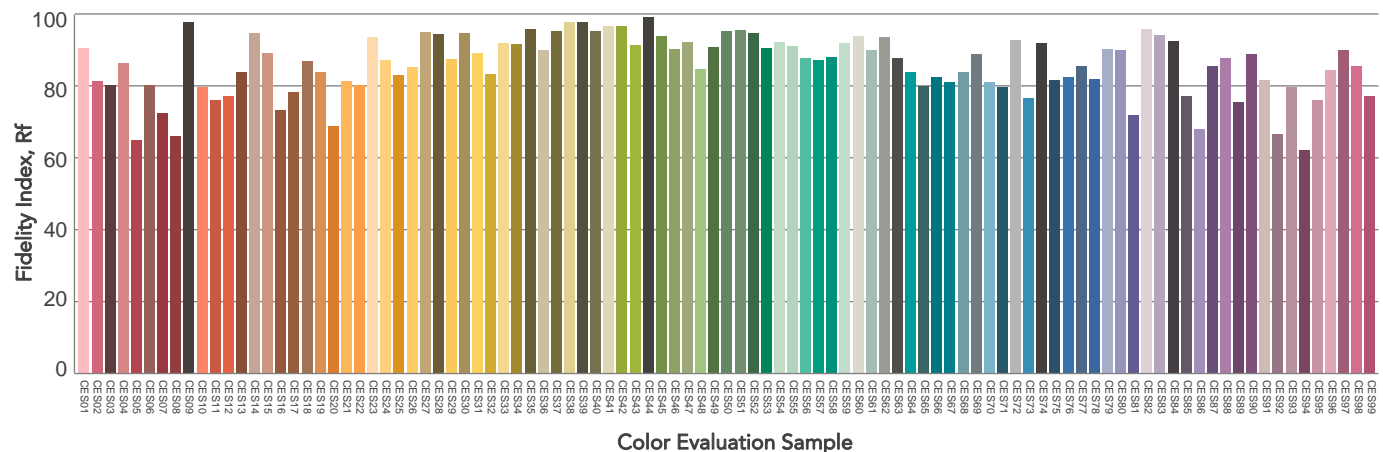
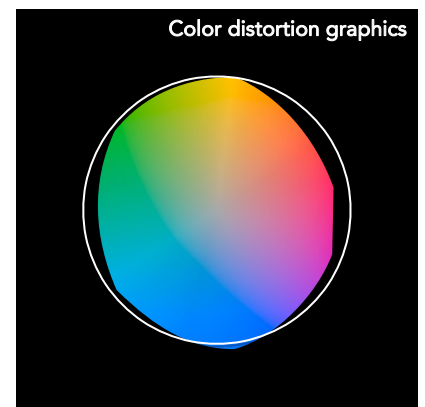
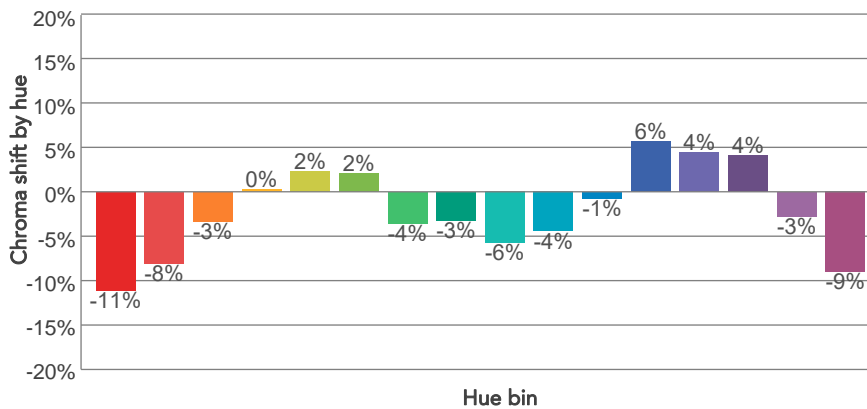
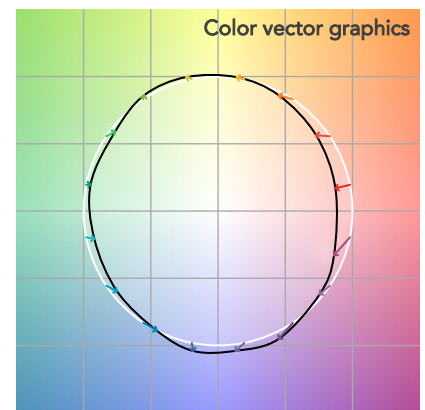
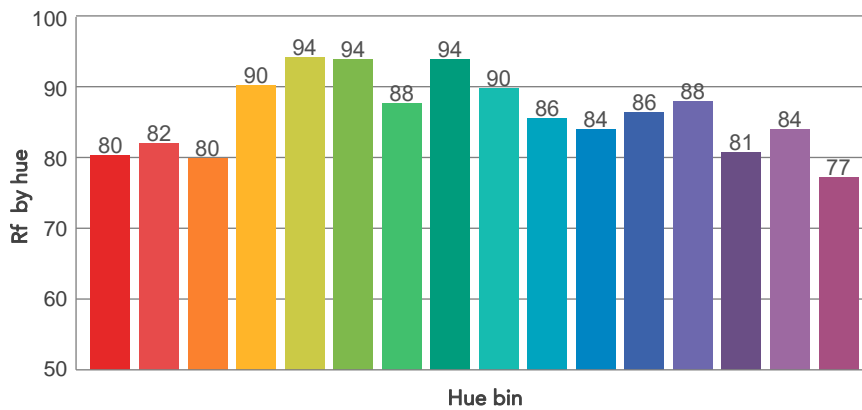
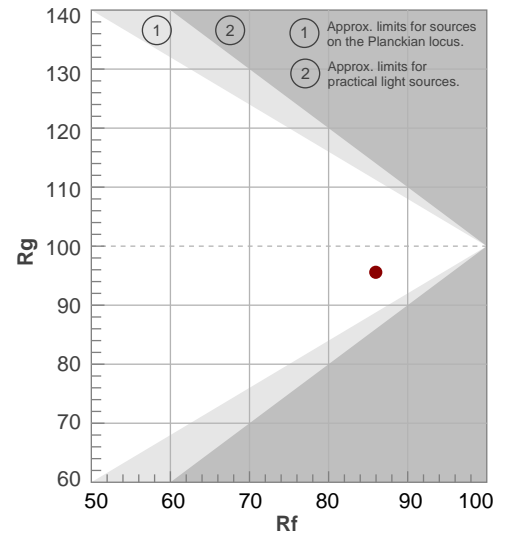
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2886 K	83,1	7,7	86,0	95,6	83,0	69	0,448	0,411	0,0015

TM30 DETAILS

Rf 86,0
Fidelity index Rf

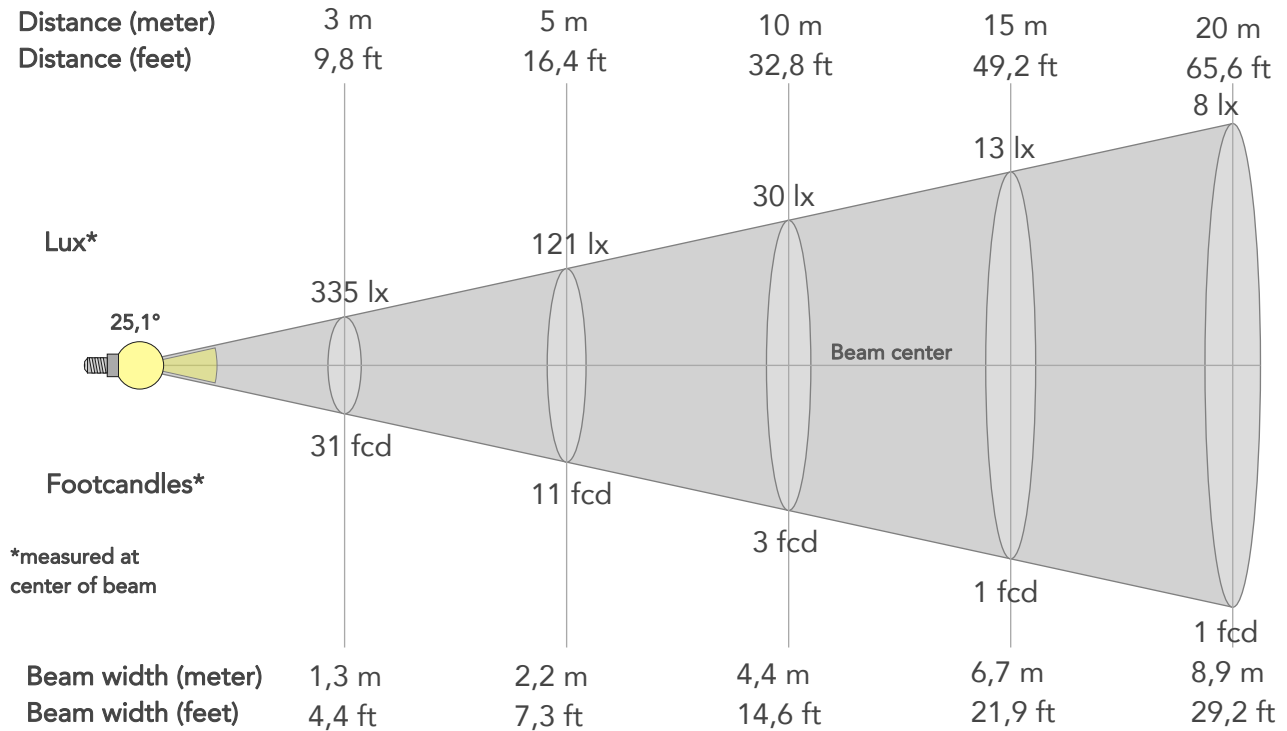
Rg 95,6
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	80	-11%	0%
2	82	-8%	6%
3	80	-3%	10%
4	90	0%	6%
5	94	2%	4%
6	94	2%	-2%
7	88	-4%	-7%
8	94	-3%	-1%
9	90	-6%	2%
10	86	-4%	8%
11	84	-1%	11%
12	86	6%	2%
13	88	4%	-8%
14	81	4%	-15%
15	84	-3%	-10%
16	77	-9%	-15%



BEAM DETAILS

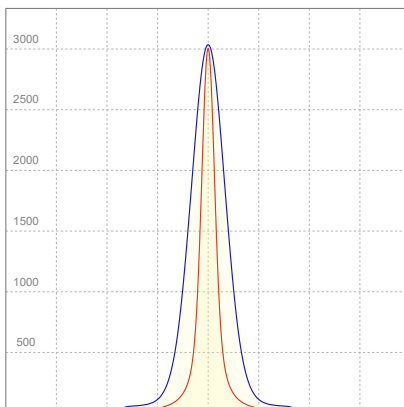
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25,1°	50,7°	86°	93,0%	86,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3016lx	754lx	335lx	189lx	121lx	54lx	30lx	13lx	8lx	5lx	3lx	2lx	1lx
Footcand.	280fcd	70fcd	31fcd	18fcd	11fcd	5fcd	3fcd	1fcd	1fcd	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	21,9ft	29,2ft	36,5ft	43,8ft	58,4ft	72,9ft

LINEAR DISTRIBUTION DIAGRAM

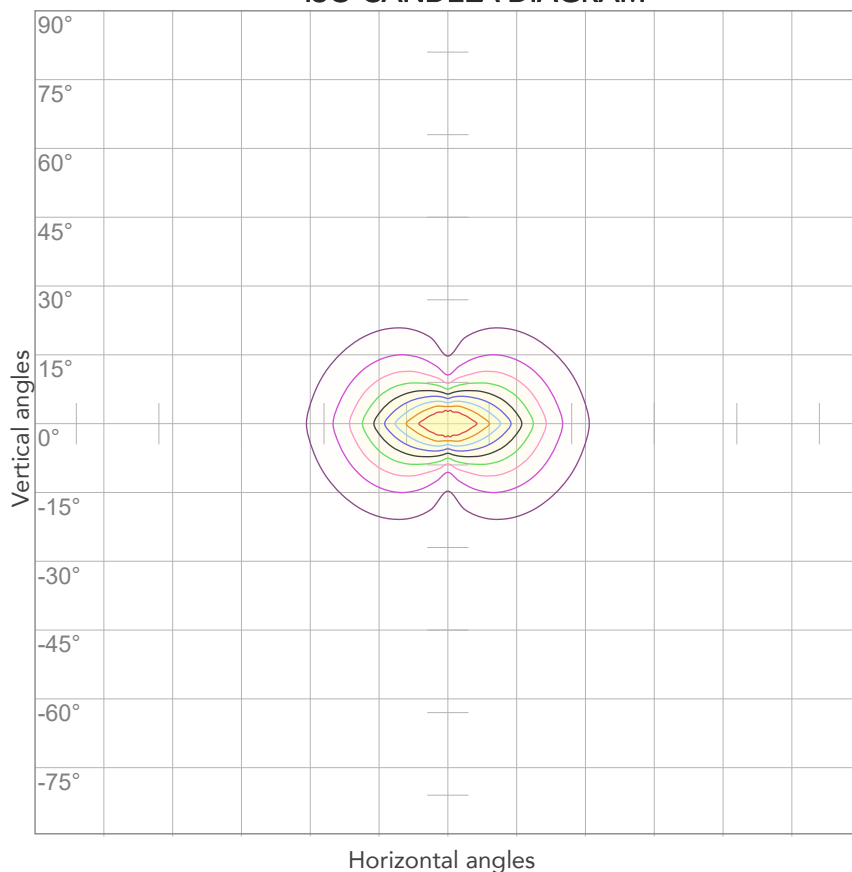


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,101A	17,4W	0,77	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



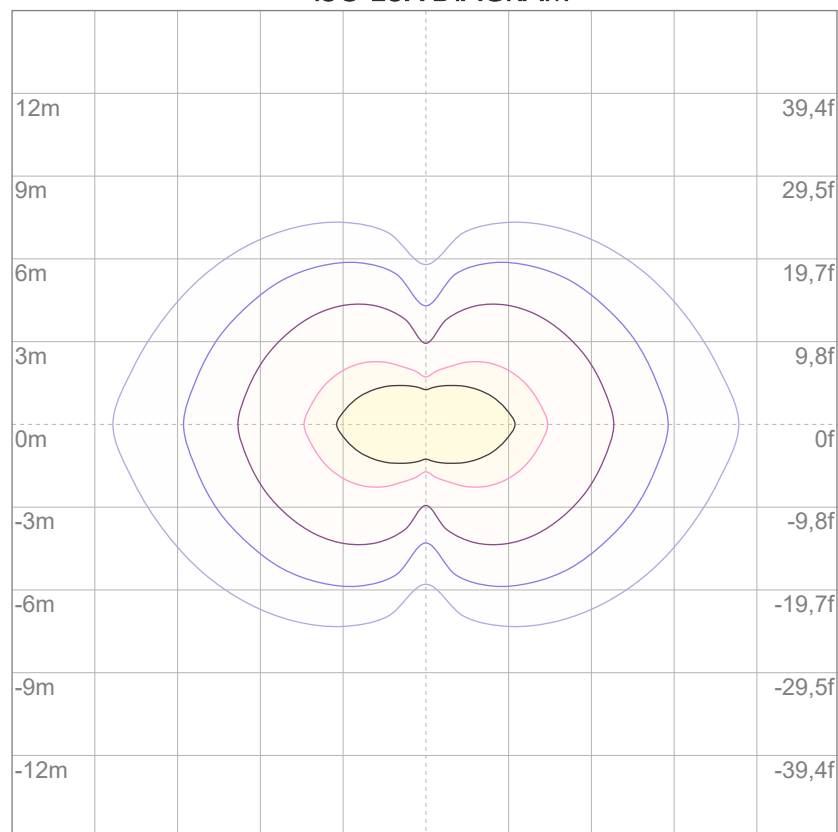
10%	302 cd
20%	603 cd
30%	905 cd
40%	1207 cd
50%	1508 cd
60%	1810 cd
70%	2111 cd
80%	2413 cd

Conditions:

Number of c-planes: 4

Candela at center: 3016 cd

ISO LUX DIAGRAM



3%	0,905 lx
5%	1,51 lx
10%	3,02 lx
30%	9,05 lx
50%	15,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 30,2 lx

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



Total lumen output:

1004 lm

Peak candela output:

1443 cd

Light quality:

CRI: 83,3

Color temperature:

2904 K

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

10° +30°x 60° Filter

Target:

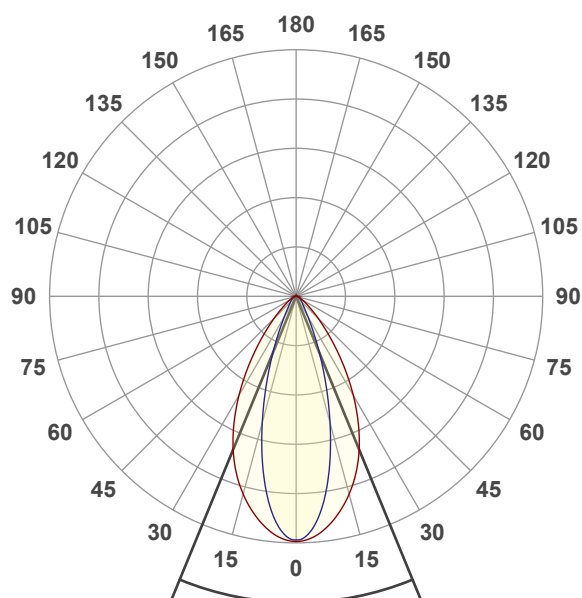
White

Operator:

Giacomo Matteo

Date and time:

10/02/2024 09:13:05

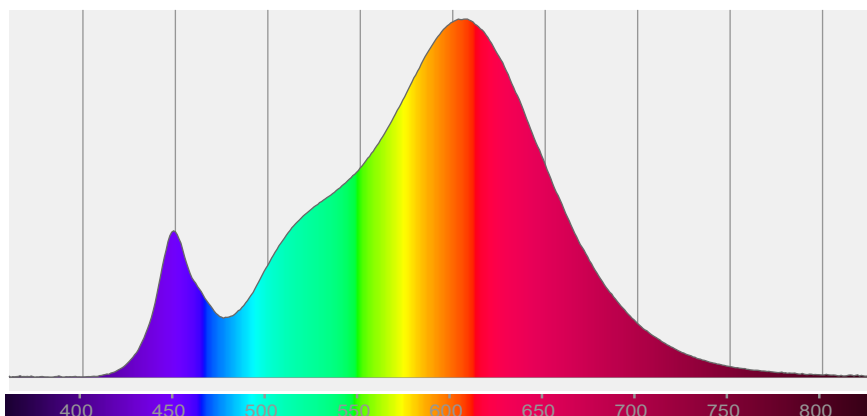


Beam angle 50%: 44,7°

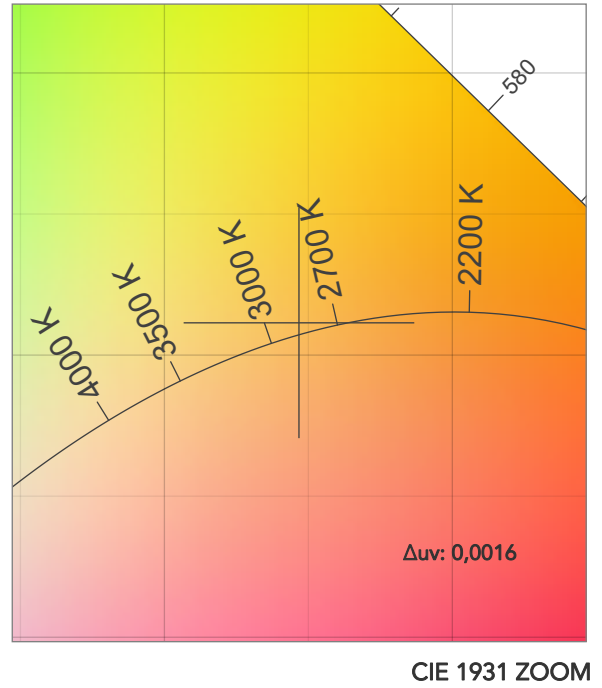
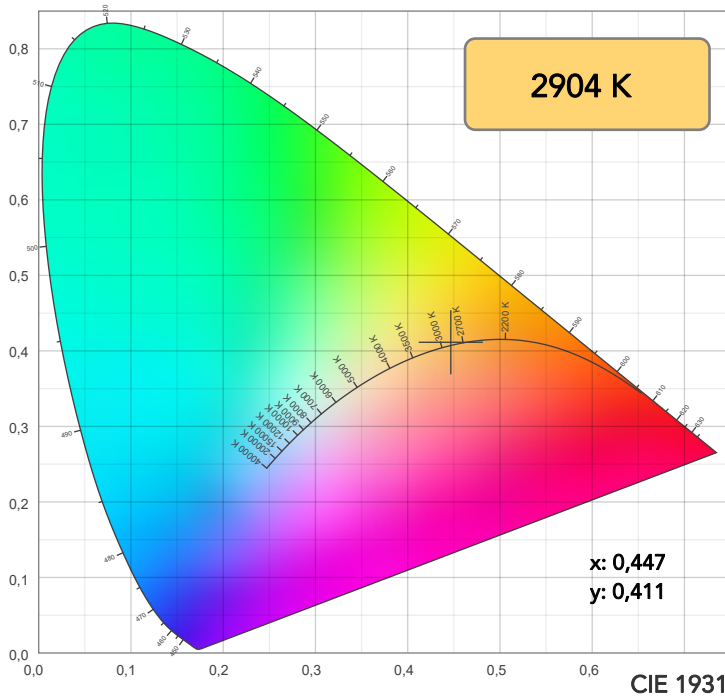
Field angle 10%: 77°

Cut off angle 2.5%: 113,3°

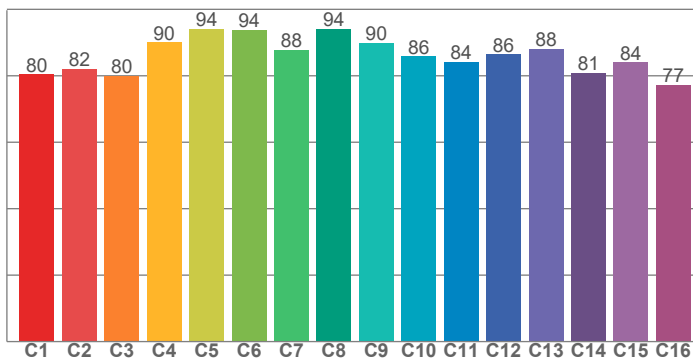
Spectra



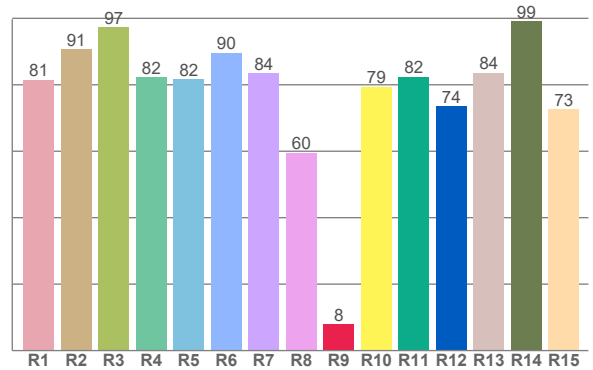
COLOR DETAILS



TM30: 86,1



CRI: 83,3 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81,5	90,8	97,3	82,3	81,6	89,6	83,5	59,5	8,0	79,4	82,4	73,5	83,6	99,1	72,7

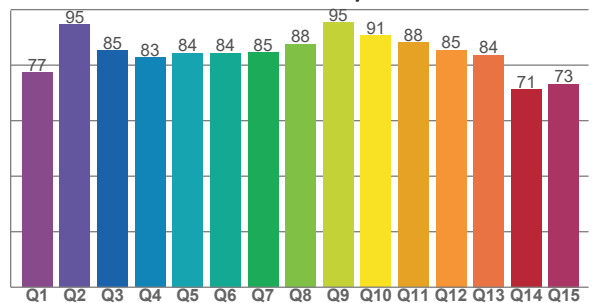
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,4	82,1	80,0	90,1	94,2	93,9	87,7	94,1	89,9	85,8	84,1	86,4	88,0	80,9	84,1	77,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,3	94,6	85,2	82,7	84,4	84,4	84,6	87,6	95,3	90,7	88,1	85,4	83,6	71,1	73,3

CQS: 83,1



COLOR PARAMETERS

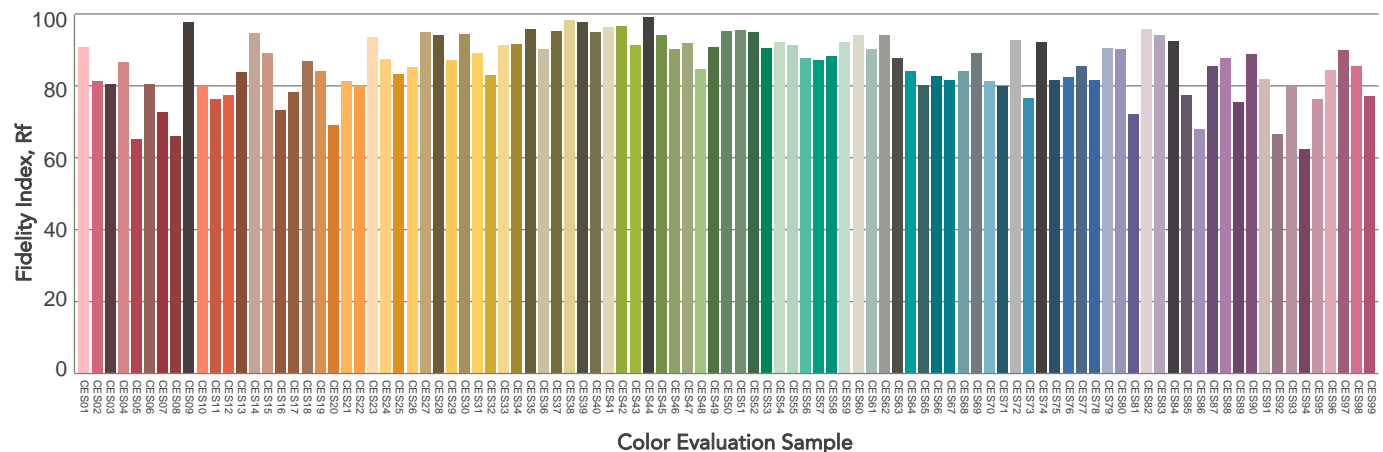
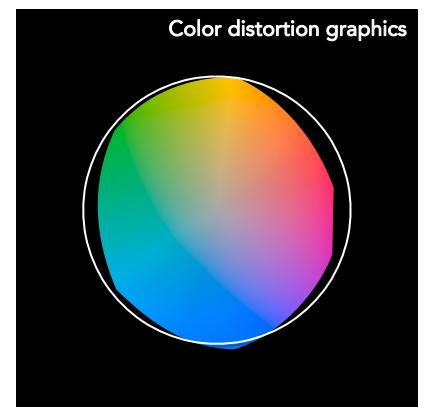
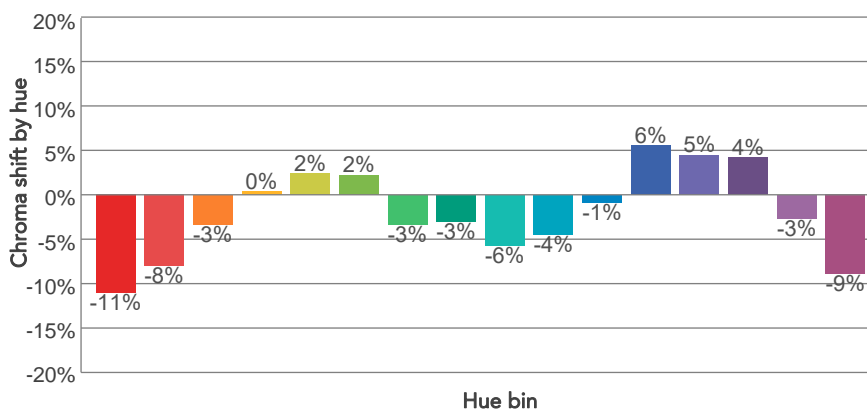
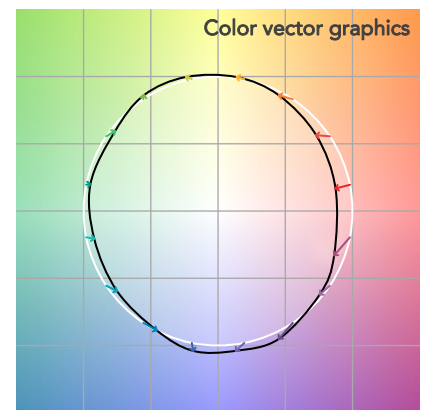
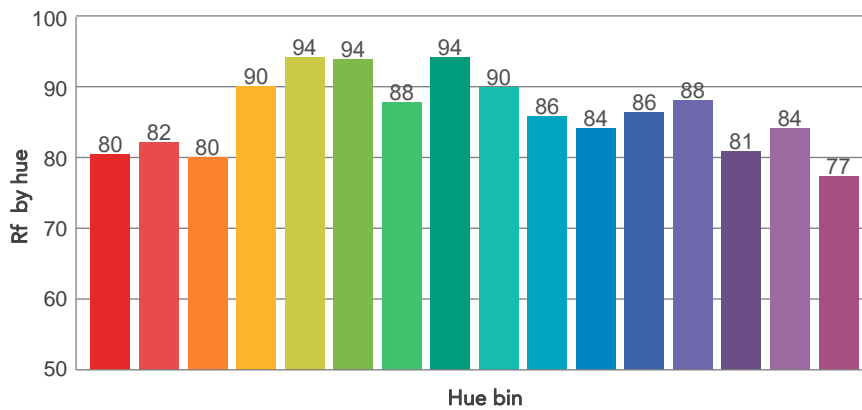
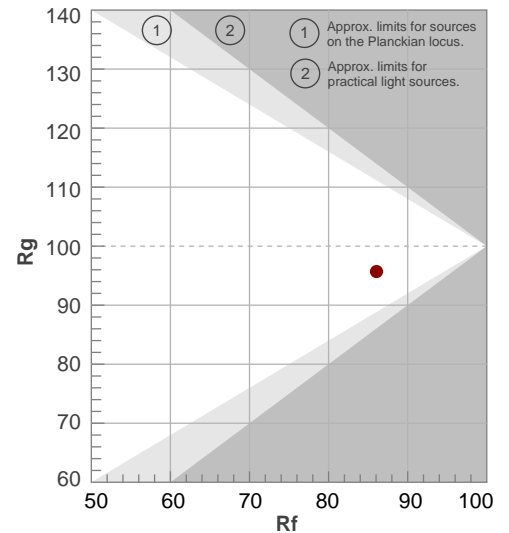
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2904 K	83,3	8,0	86,1	95,7	83,1	69	0,447	0,411	0,0016

TM30 DETAILS

Rf 86,1
Fidelity index Rf

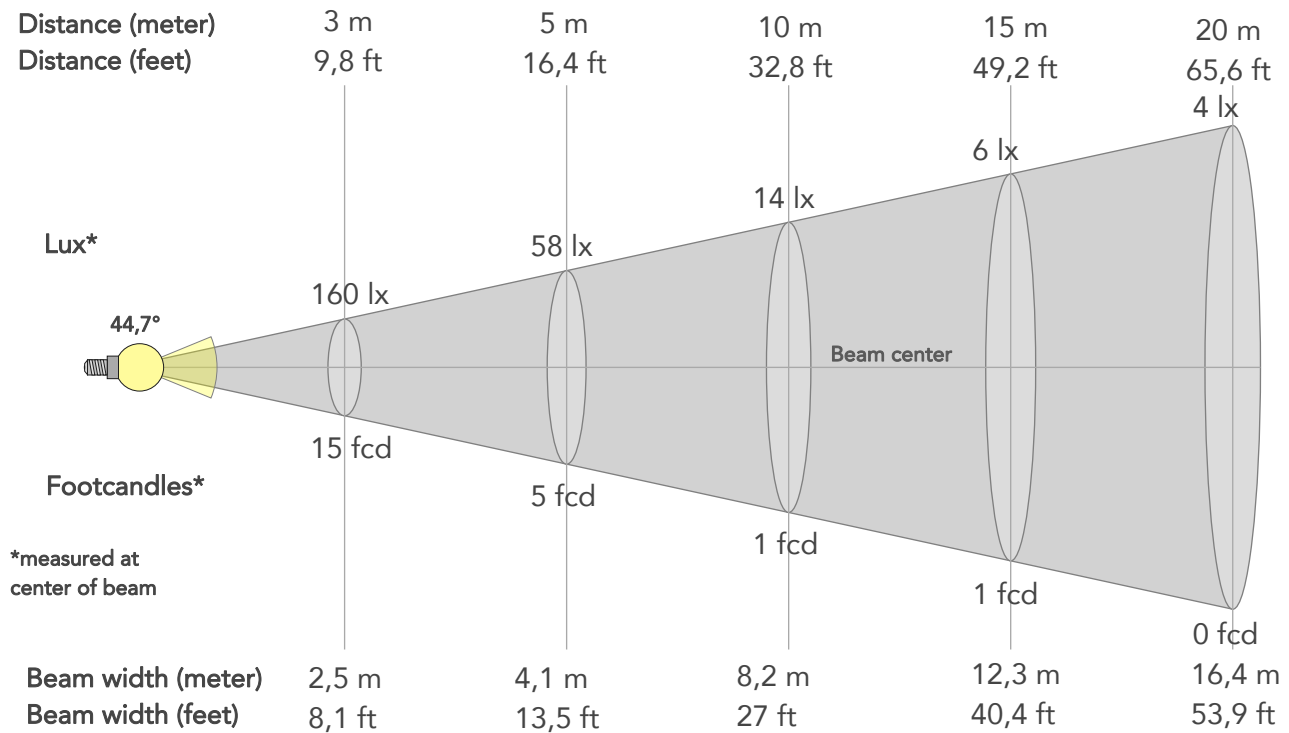
Rg 95,7
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	80	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	90	0%	6%
5	94	2%	4%
6	94	2%	-2%
7	88	-3%	-7%
8	94	-3%	-1%
9	90	-6%	2%
10	86	-4%	8%
11	84	-1%	11%
12	86	6%	2%
13	88	5%	-7%
14	81	4%	-15%
15	84	-3%	-10%
16	77	-9%	-15%



BEAM DETAILS

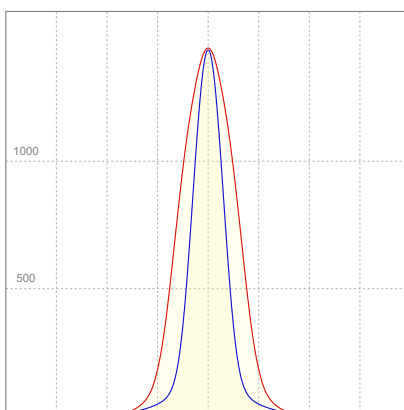
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,7°	77°	113,3°	96,6%	88,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1438lx	359lx	160lx	90lx	58lx	26lx	14lx	6lx	4lx	2lx	2lx	1lx	1lx
Footcand.	134fcd	33fcd	15fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,4m	20,5m	24,7m	32,9m	41,1m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,2ft	27ft	40,4ft	53,9ft	67,4ft	80,9ft	107,8ft	134,8ft

LINEAR DISTRIBUTION DIAGRAM

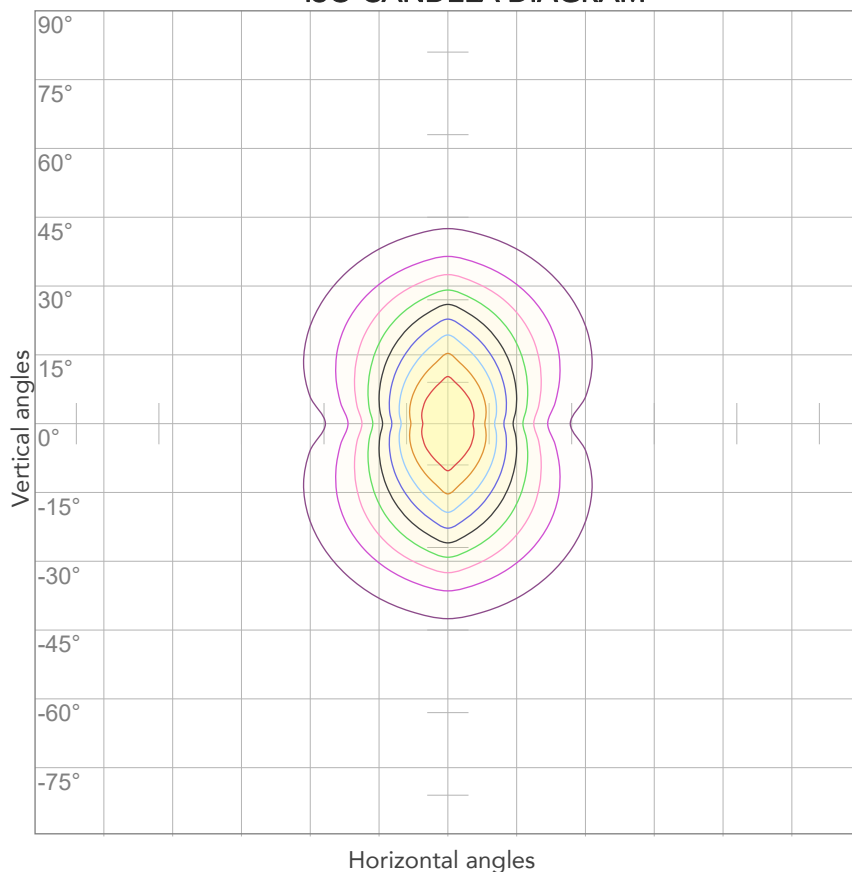


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,103A	17,7W	0,76	57lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



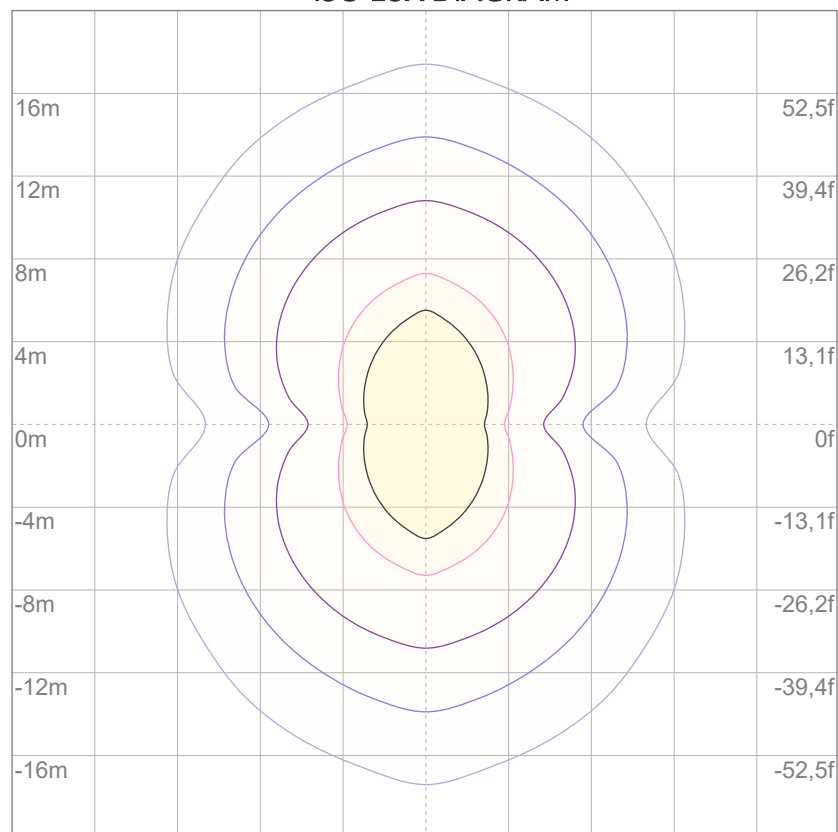
10%	144 cd
20%	288 cd
30%	431 cd
40%	575 cd
50%	719 cd
60%	863 cd
70%	1006 cd
80%	1150 cd

Conditions:

Number of c-planes: 4

Candela at center: 1438 cd

ISO LUX DIAGRAM



3%	0,431 lx
5%	0,719 lx
10%	1,44 lx
30%	4,31 lx
50%	7,19 lx

Conditions:

Number of c-planes: 4

Lux at center: 14,4 lx

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