

Photometric Test Report



ARCSPOTMFC

IP66 Spot featuring 4600 lumen
with 19 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:

4624 lm

Peak candela output:

80025 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

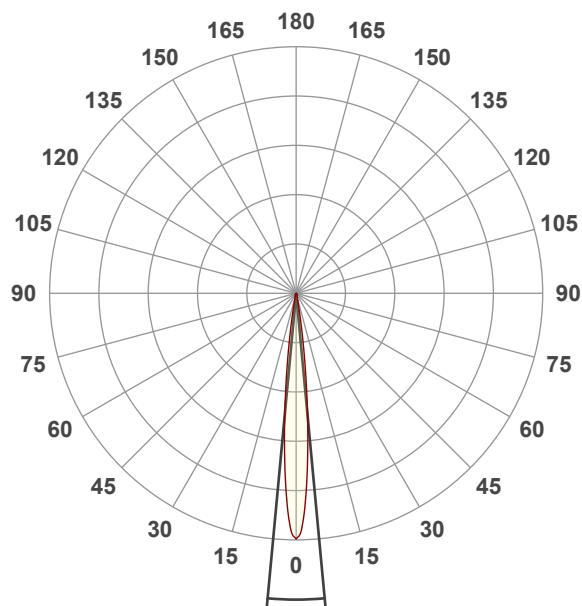
Full On

Operator:

Salvatore Giglio

Date and time:

08/02/2024 16:50:04

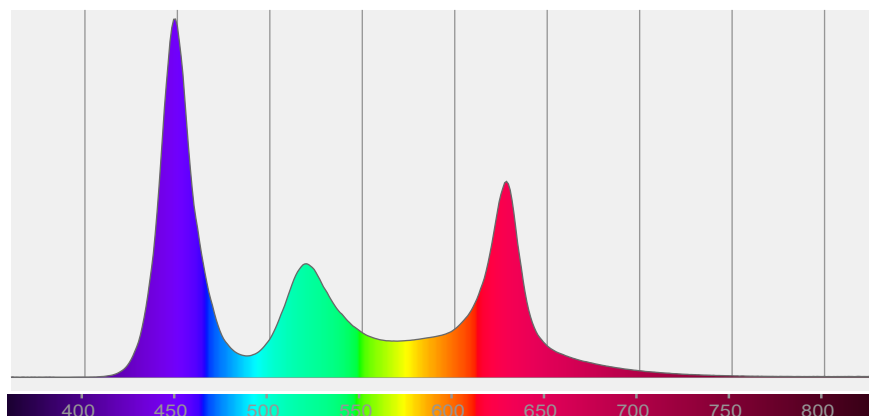


Beam angle 50%: 10,7°

Field angle 10%: 19,3°

Cut off angle 2.5%: 26,1°

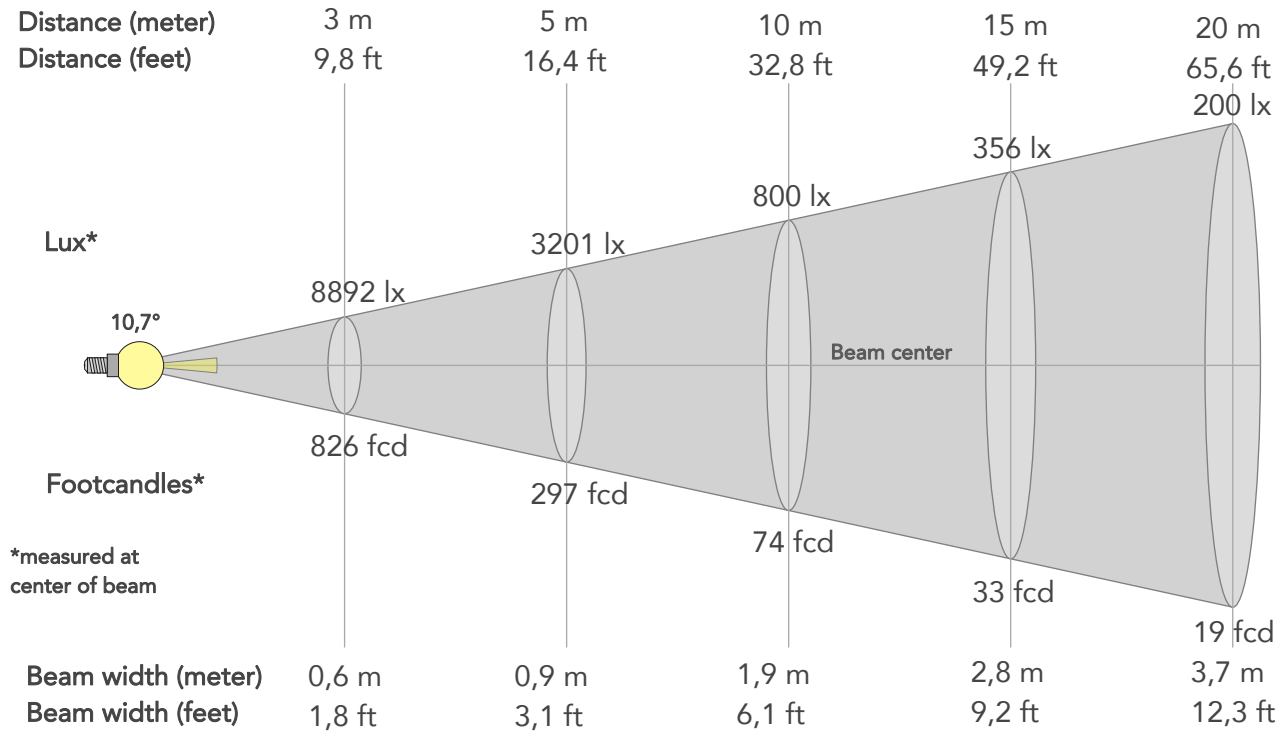
Spectra



BEAM DETAILS



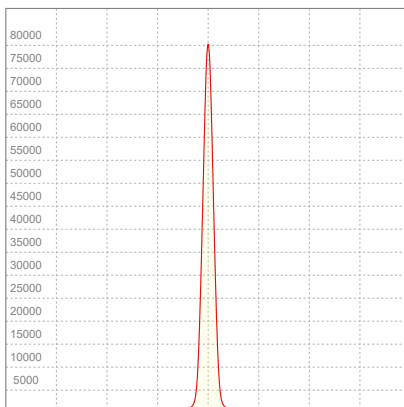
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,7°	19,3°	26,1°	89,3%	84,8%



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	80025lx	20006lx	8892lx	5002lx	3201lx	1423lx	800lx	356lx	200lx	128lx	89lx	50lx	32lx
Footcand.	7435fcd	1859fcd	826fcd	465fcd	297fcd	132fcd	74fcd	33fcd	19fcd	12fcd	8fcd	5fcd	3fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,9m	2,8m	3,7m	4,7m	5,6m	7,5m	9,4m
Beam wid.	0,6ft	1,2ft	1,8ft	2,5ft	3,1ft	4,6ft	6,1ft	9,2ft	12,3ft	15,3ft	18,4ft	24,5ft	30,7ft

LINEAR DISTRIBUTION DIAGRAM

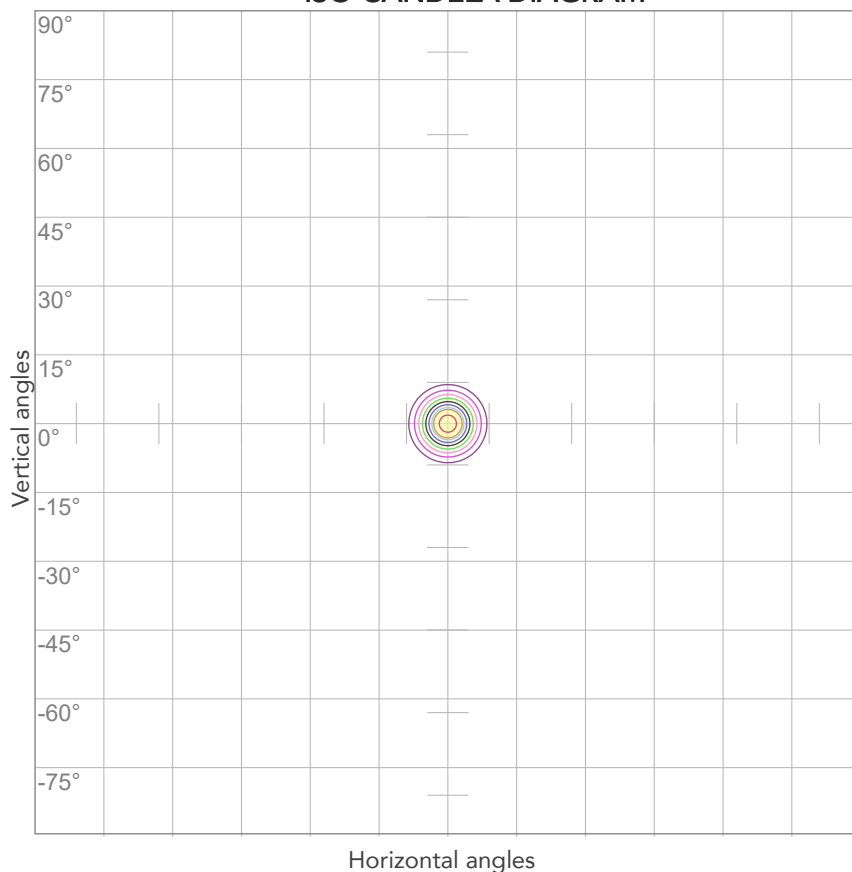


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,381A	79,5W	0,92	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



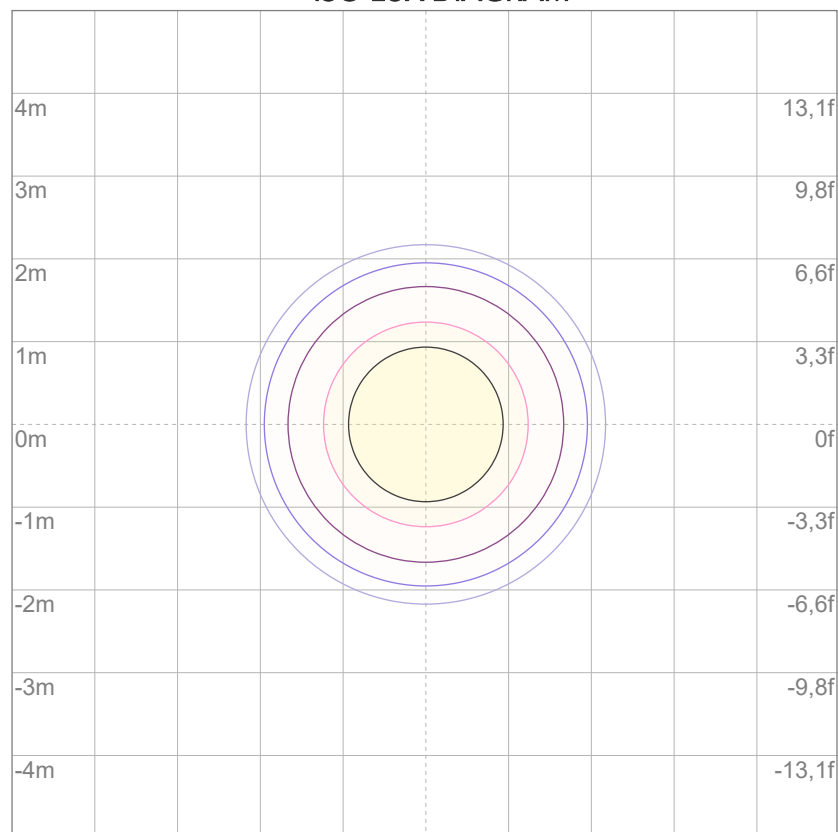
10%	8003 cd
20%	16005 cd
30%	24008 cd
40%	32010 cd
50%	40013 cd
60%	48015 cd
70%	56018 cd
80%	64020 cd

Conditions:

Number of c-planes: 2

Candela at center: 80025 cd

ISO LUX DIAGRAM



3%	24,0 lx
5%	40,0 lx
10%	80,0 lx
30%	240 lx
50%	400 lx

Conditions:

Number of c-planes: 2

Lux at center: 800 lx

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



Total lumen output:

3636 lm

Peak candela output:

14888 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

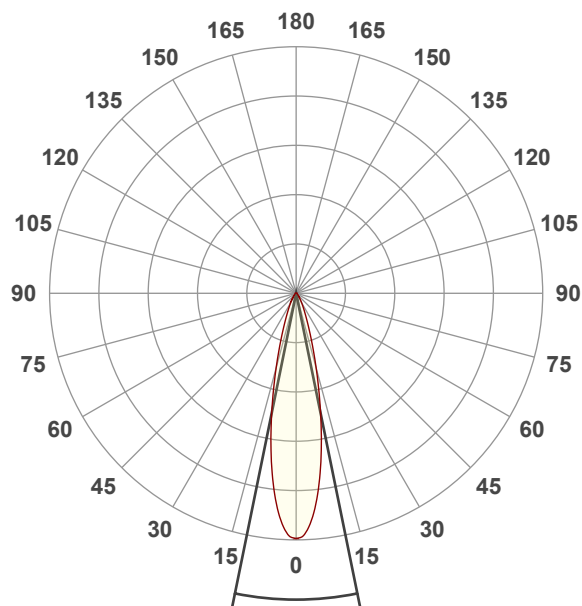
Full On

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:42:06

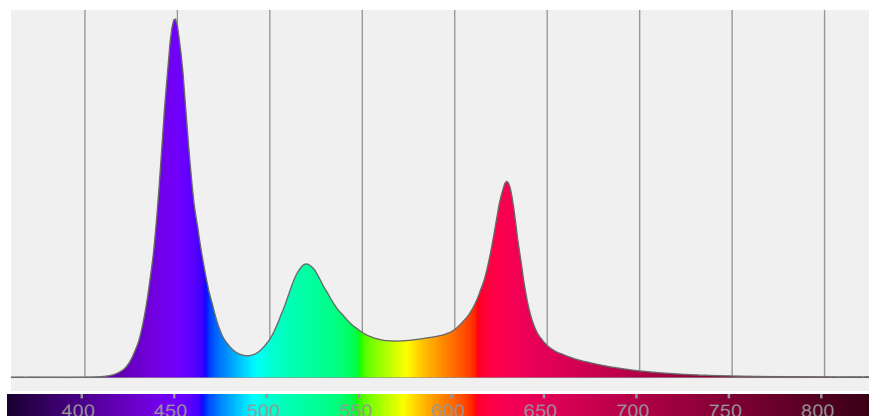


Beam angle 50%: 23,1°

Field angle 10%: 46,2°

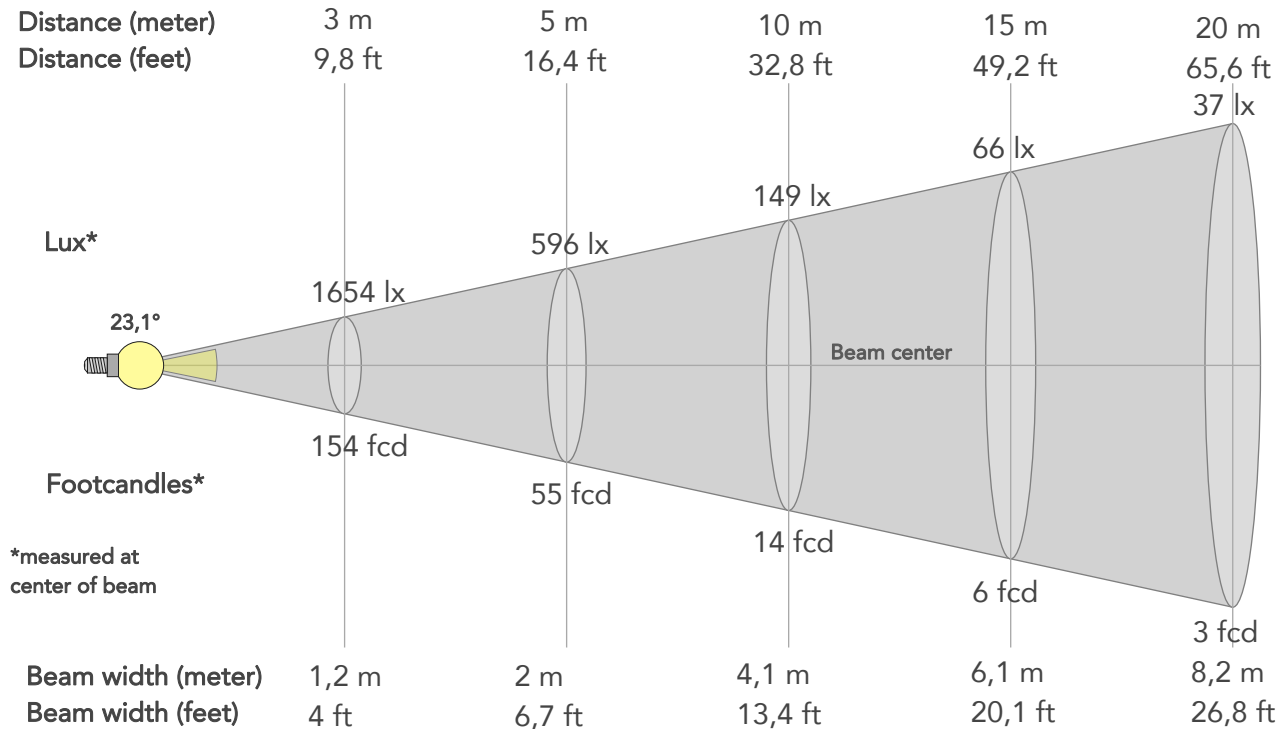
Cut off angle 2.5%: 72,1°

Spectra



BEAM DETAILS

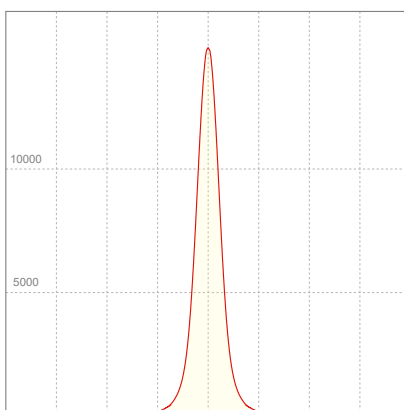
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,2°	72,1°	96,4%	91,8%



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	14888lx	3722lx	1654lx	930lx	596lx	265lx	149lx	66lx	37lx	24lx	17lx	9lx	6lx
Footcand.	1383fcd	346fcd	154fcd	86fcd	55fcd	25fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,2m	16,3m	20,4m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,4ft	20,1ft	26,8ft	33,4ft	40,1ft	53,5ft	66,9ft

LINEAR DISTRIBUTION DIAGRAM

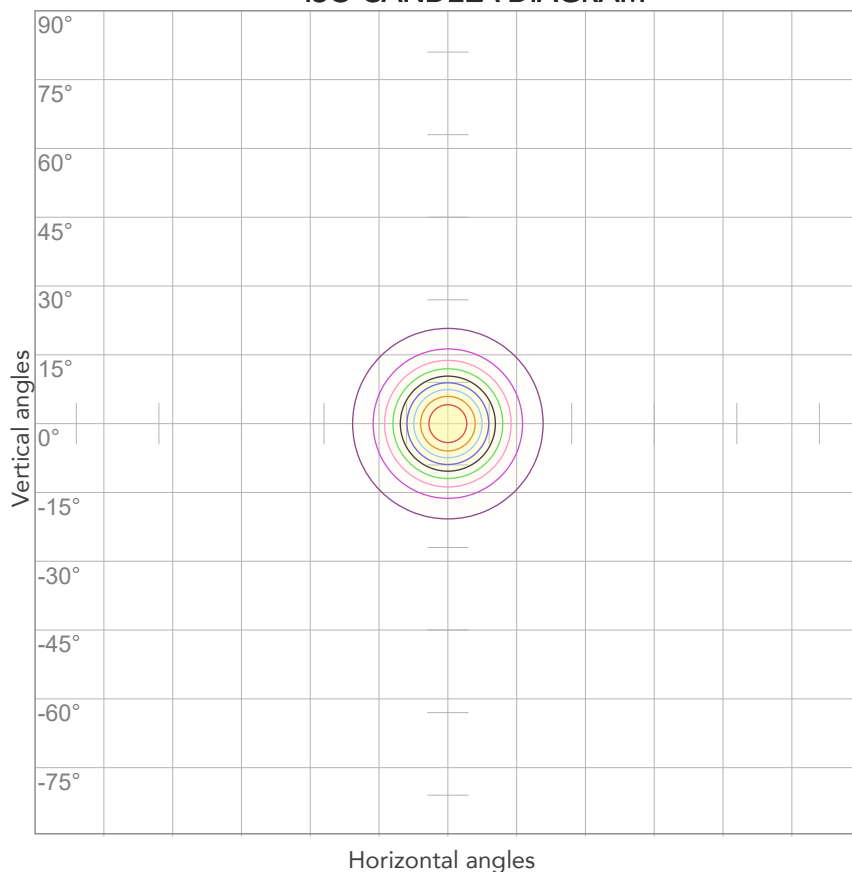


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,384A	79,2W	0,92	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



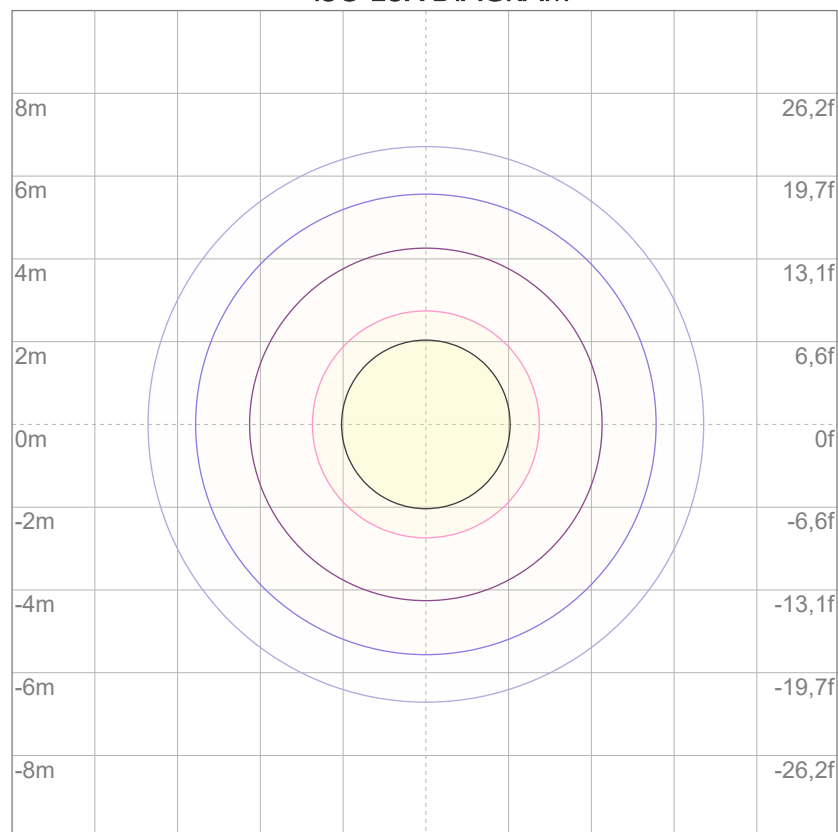
10%	1489 cd
20%	2978 cd
30%	4466 cd
40%	5955 cd
50%	7444 cd
60%	8933 cd
70%	10421 cd
80%	11910 cd

Conditions:

Number of c-planes: 2

Candela at center: 14888 cd

ISO LUX DIAGRAM



3%	4,47 lx
5%	7,44 lx
10%	14,9 lx
30%	44,7 lx
50%	74,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 149 lx

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



Total lumen output:

3617 lm

Peak candela output:

4814 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

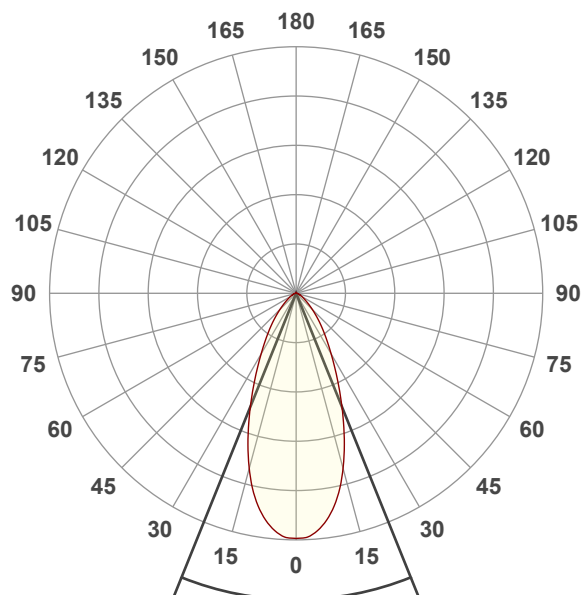
Full On

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:08:25

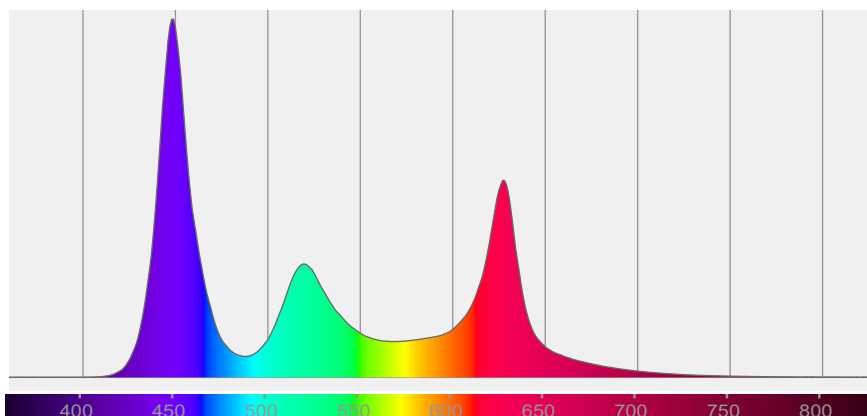


Beam angle 50%: 43,9°

Field angle 10%: 88,5°

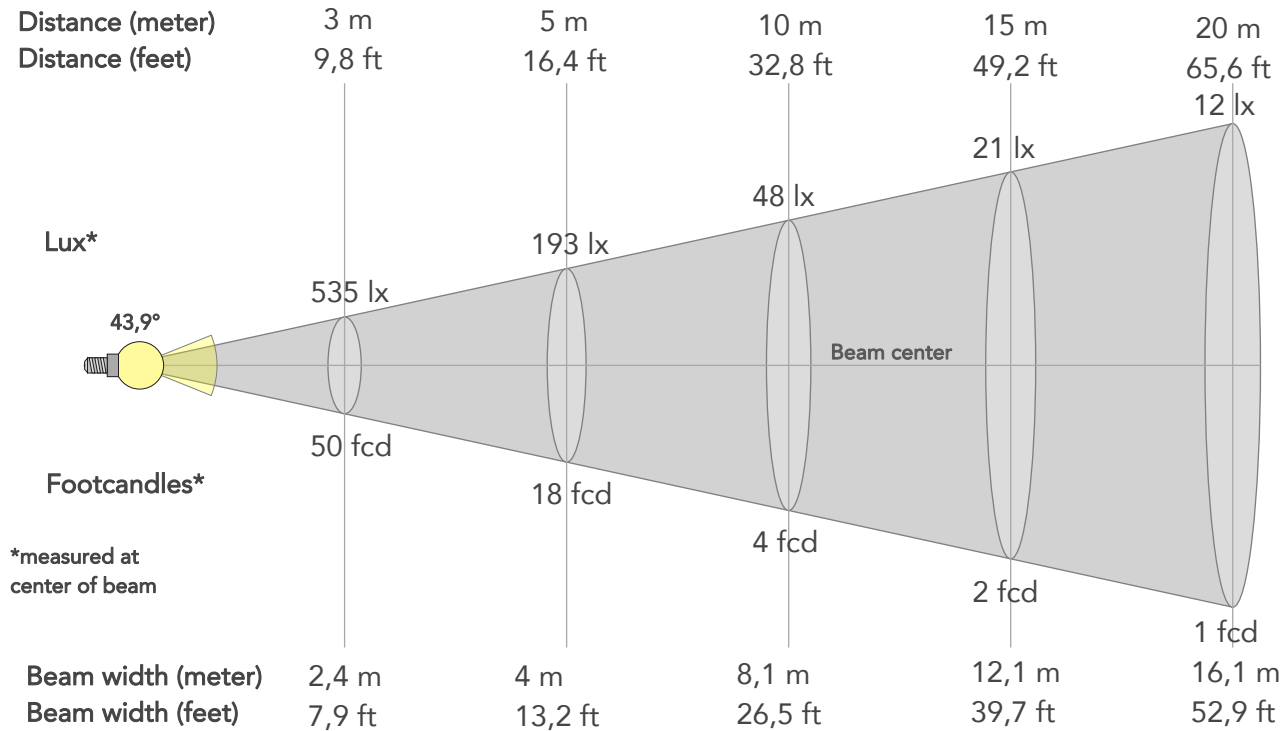
Cut off angle 2.5%: 123,5°

Spectra



BEAM DETAILS

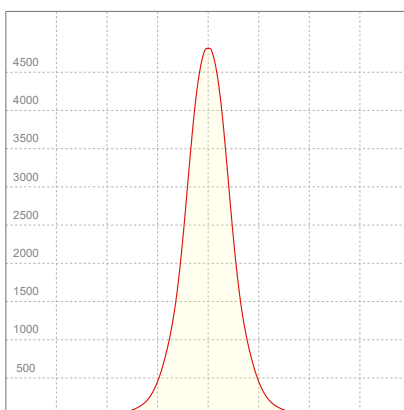
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,9°	88,5°	123,5°	95,7%	86,6%



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	4814lx	1204lx	535lx	301lx	193lx	86lx	48lx	21lx	12lx	8lx	5lx	3lx	2lx
Footcand.	447fcd	112fcd	50fcd	28fcd	18fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6,1m	8,1m	12,1m	16,1m	20,2m	24,2m	32,3m	40,3m
Beam wid.	2,7ft	5,3ft	7,9ft	10,6ft	13,2ft	19,9ft	26,5ft	39,7ft	52,9ft	66,2ft	79,4ft	105,9ft	132,3ft

LINEAR DISTRIBUTION DIAGRAM

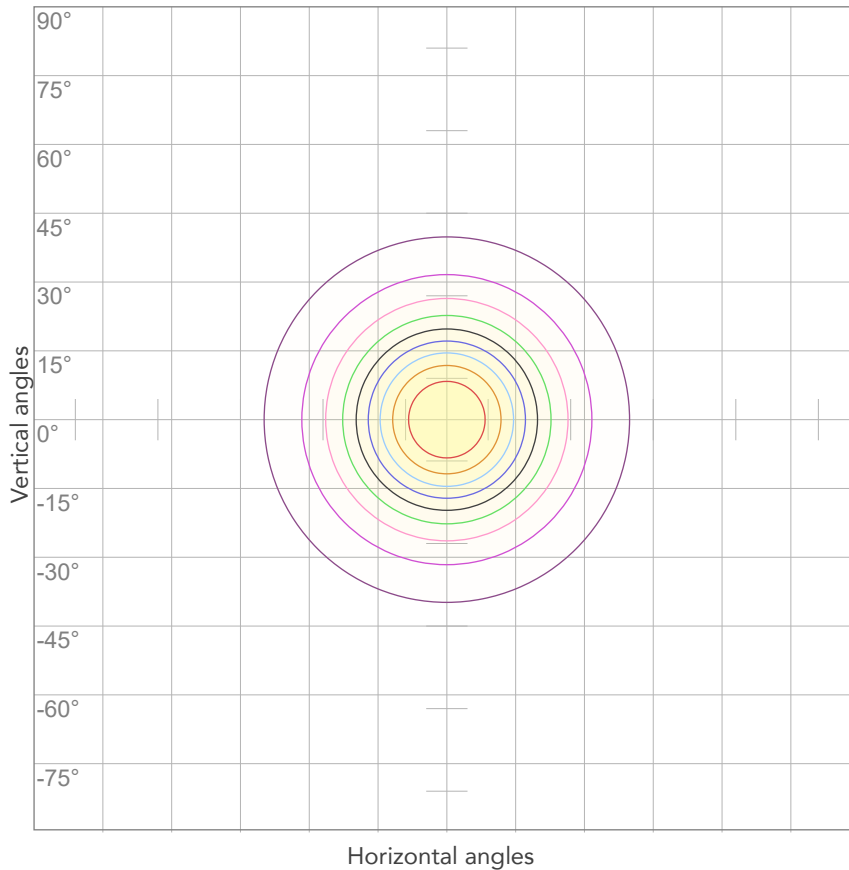


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,385A	79,8W	0,92	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



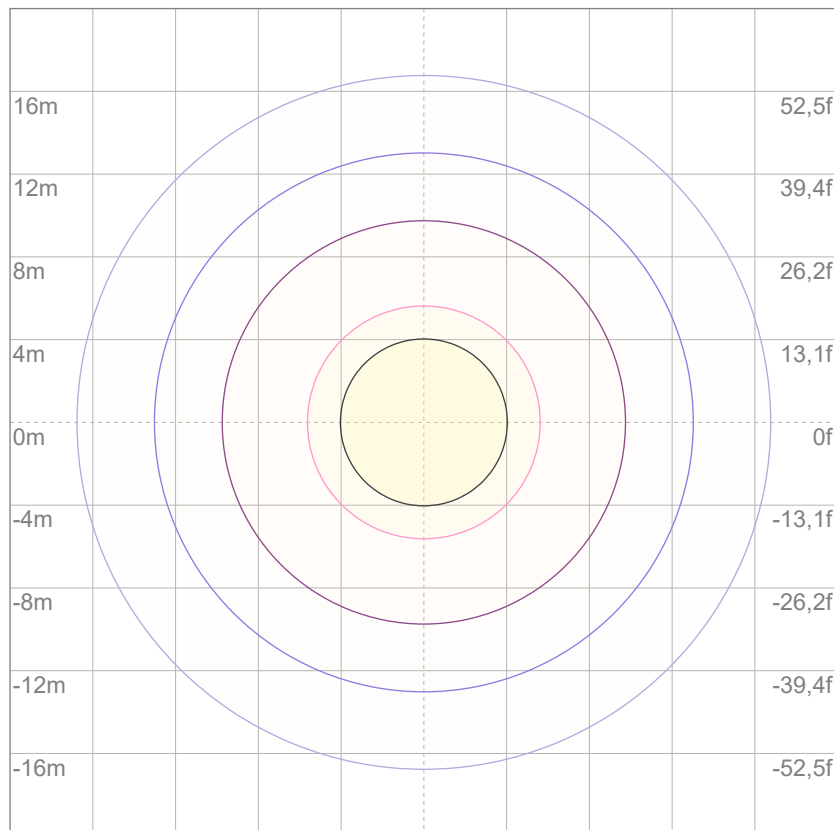
10%	481 cd
20%	963 cd
30%	1444 cd
40%	1926 cd
50%	2407 cd
60%	2888 cd
70%	3370 cd
80%	3851 cd

Conditions:

Number of c-planes: 2

Candela at center: 4814 cd

ISO LUX DIAGRAM



3%	1,44 lx
5%	2,41 lx
10%	4,81 lx
30%	14,4 lx
50%	24,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 48,1 lx

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



Total lumen output:

3584 lm

Peak candela output:

3175 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

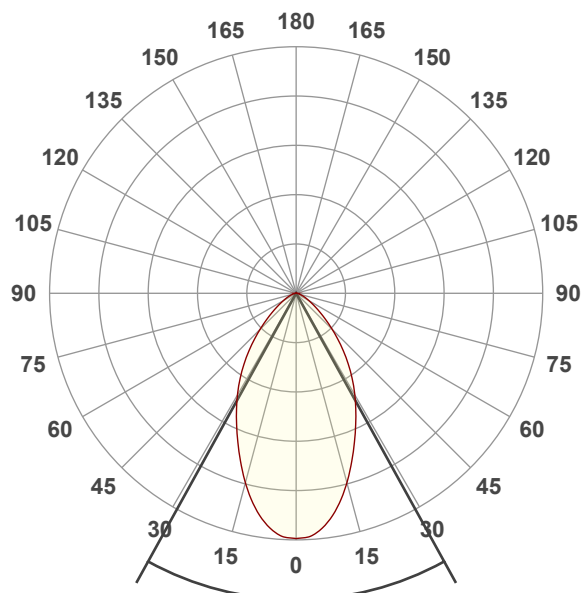
Full On

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:49:21

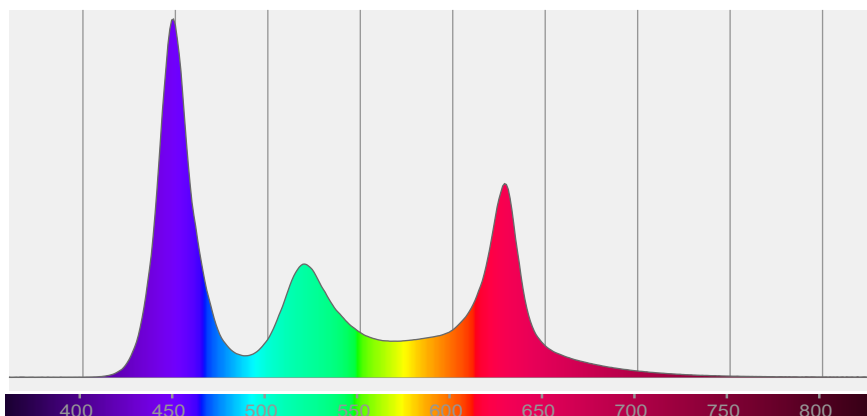


Beam angle 50%: 57,8°

Field angle 10%: 108,2°

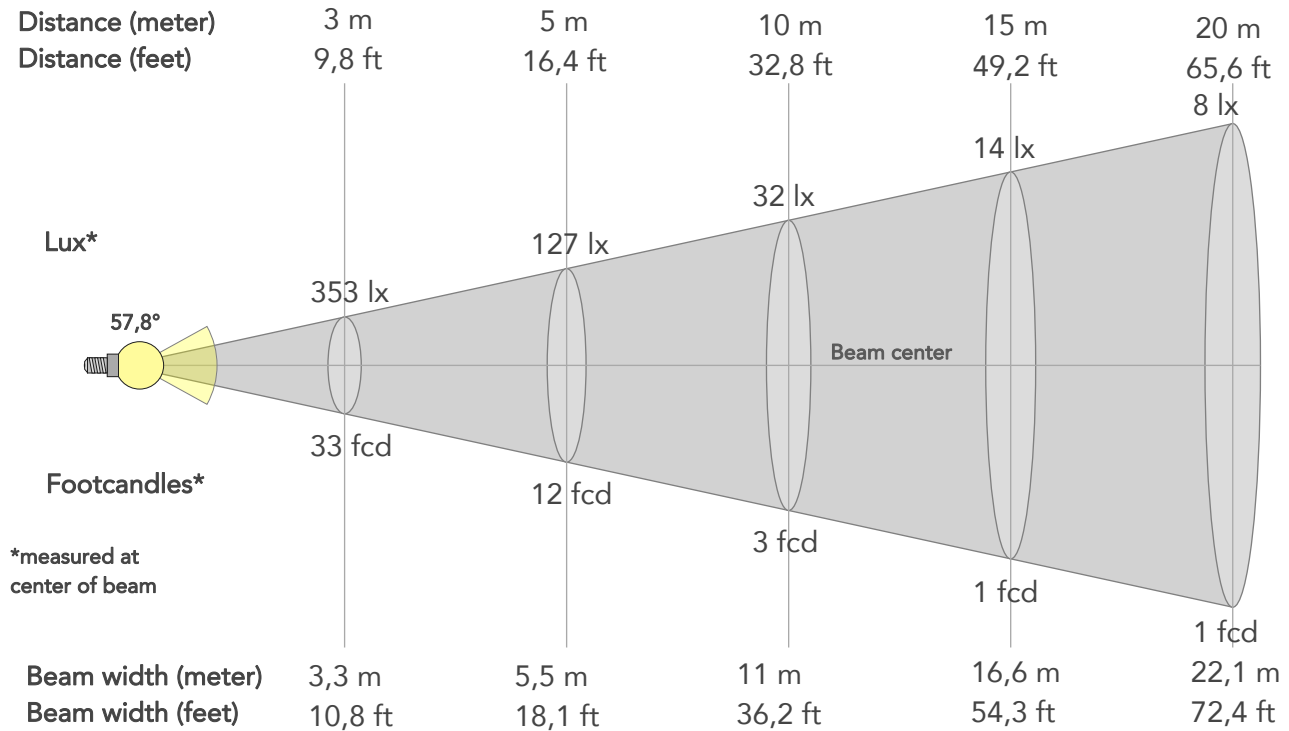
Cut off angle 2.5%: 140,4°

Spectra



BEAM DETAILS

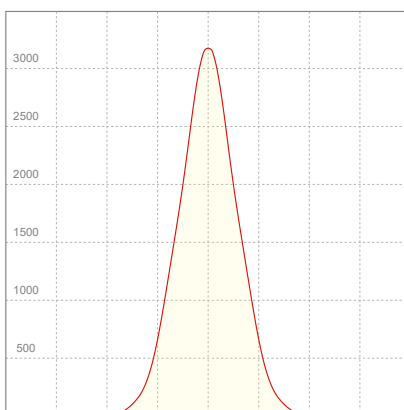
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,8°	108,2°	140,4°	94,3%	80,6%



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	3175lx	794lx	353lx	198lx	127lx	56lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	295fcd	74fcd	33fcd	18fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11m	16,6m	22,1m	27,6m	33,1m	44,2m	55,2m
Beam wid.	3,6ft	7,3ft	10,8ft	14,5ft	18,1ft	27,2ft	36,2ft	54,3ft	72,4ft	90,5ft	108,6ft	144,8ft	181ft

LINEAR DISTRIBUTION DIAGRAM

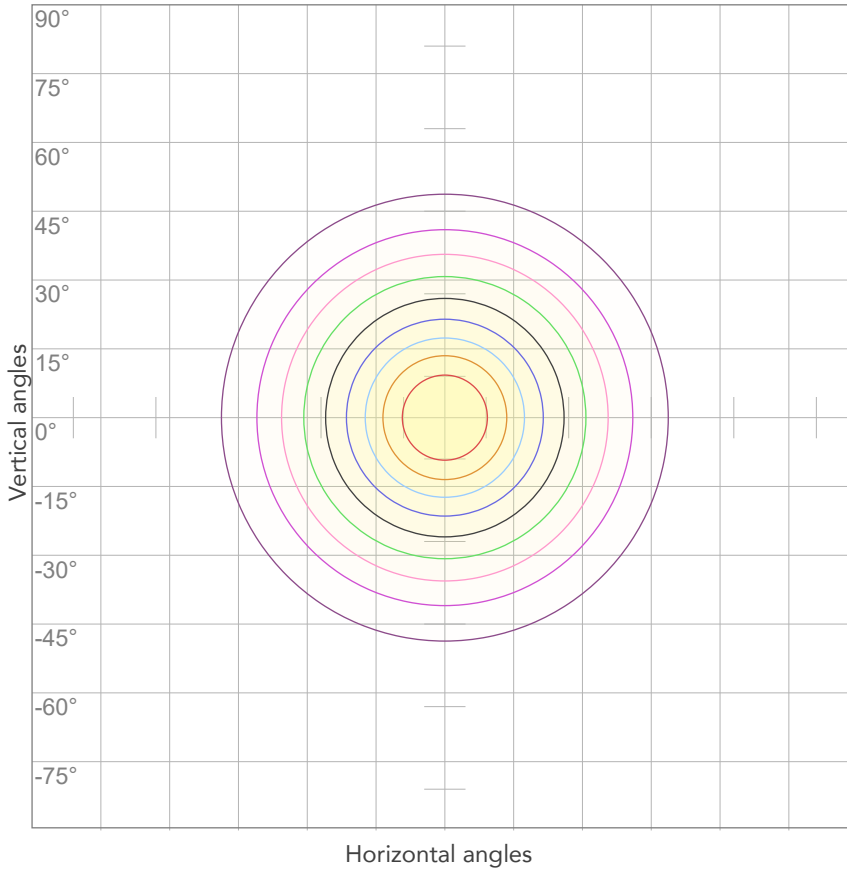


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,384A	79,1W	0,92	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



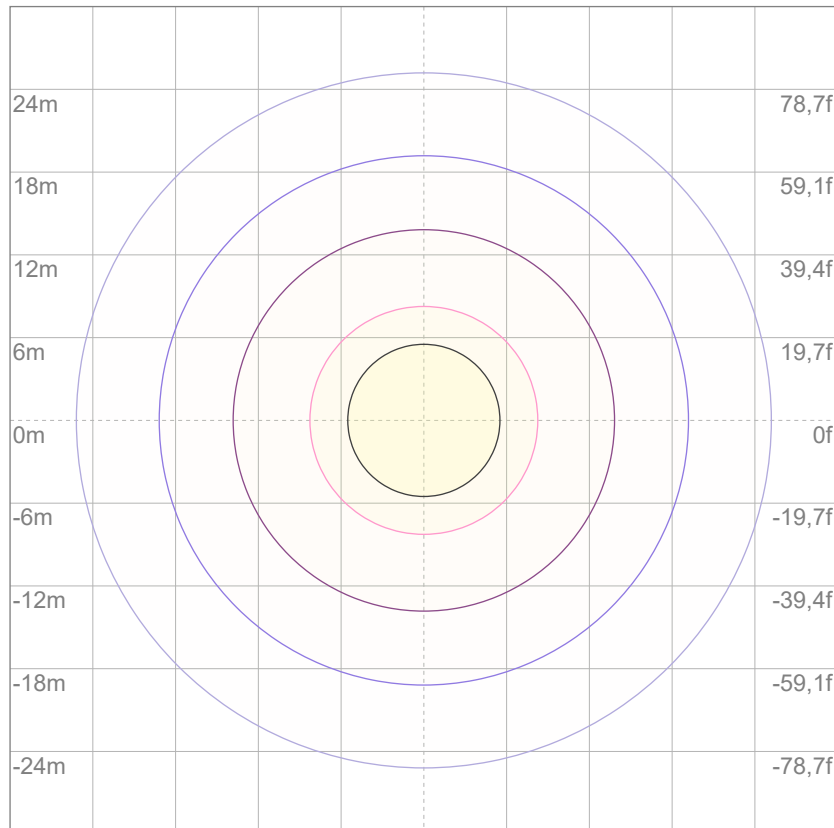
10%	318 cd
20%	635 cd
30%	953 cd
40%	1270 cd
50%	1588 cd
60%	1905 cd
70%	2223 cd
80%	2540 cd

Conditions:

Number of c-planes: 2

Candela at center: 3175 cd

ISO LUX DIAGRAM



3%	0,953 lx
5%	1,59 lx
10%	3,18 lx
30%	9,53 lx
50%	15,9 lx

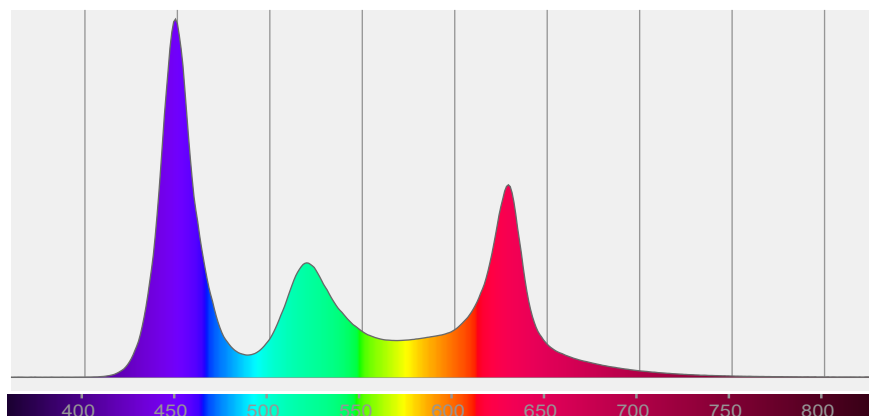
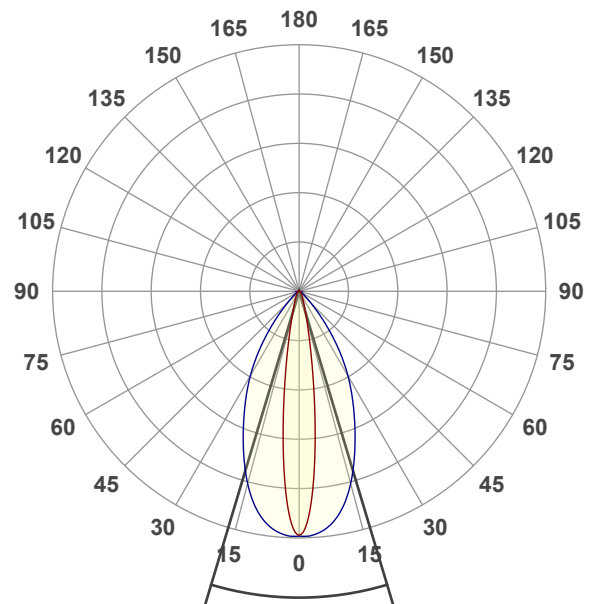
Conditions:

Number of c-planes: 2

Lux at center: 31,8 lx

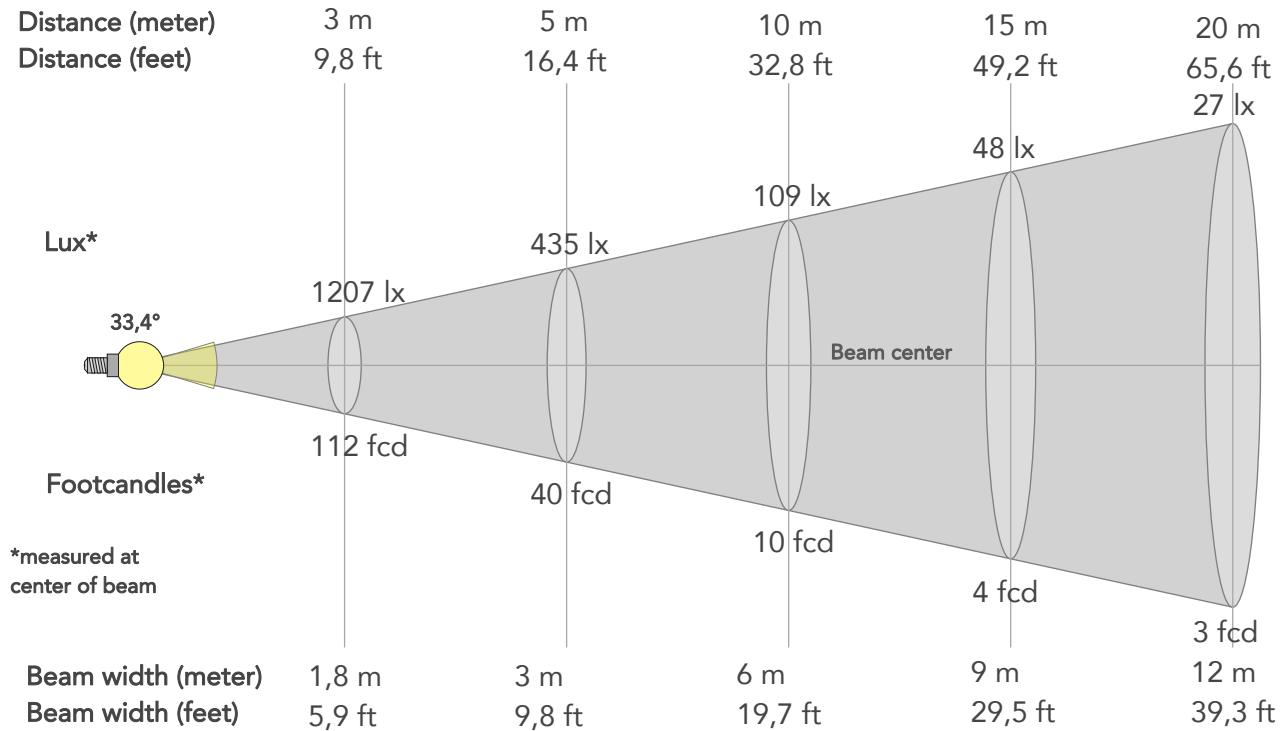
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

10899 cd



BEAM DETAILS

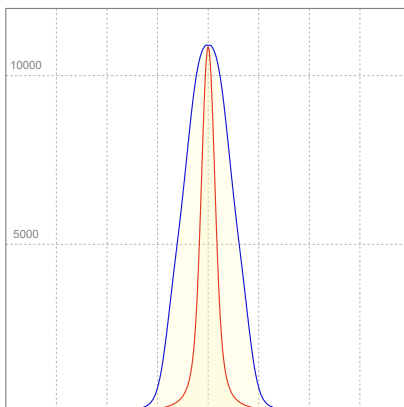
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,8°	83°	97,7%	92,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	10863lx	2716lx	1207lx	679lx	435lx	193lx	109lx	48lx	27lx	17lx	12lx	7lx	4lx
Footcand.	1009fcd	252fcd	112fcd	63fcd	40fcd	18fcd	10fcd	4fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,3ft	49,2ft	59ft	78,7ft	98,4ft

LINEAR DISTRIBUTION DIAGRAM

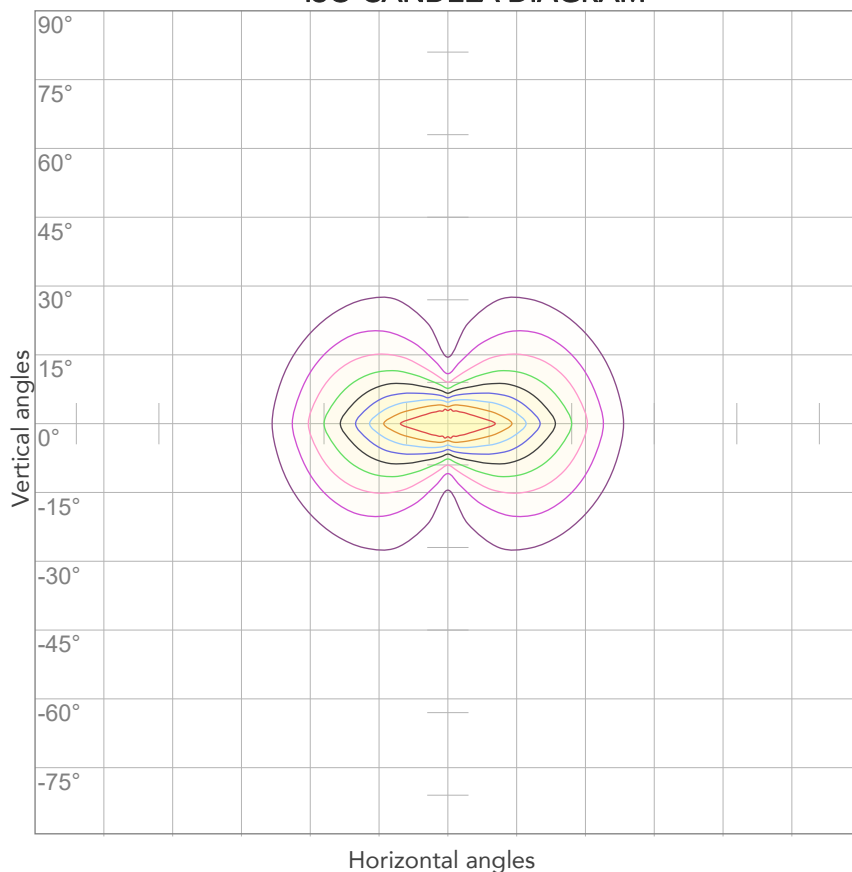


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,379A	78,5W	0,92	66lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



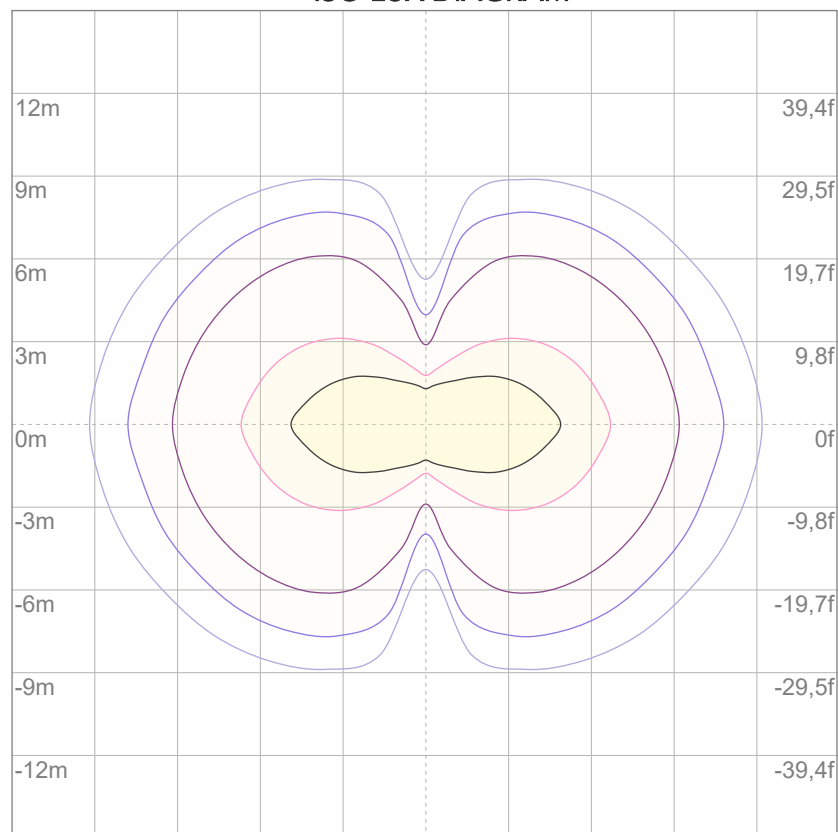
10%	1086 cd
20%	2173 cd
30%	3259 cd
40%	4345 cd
50%	5431 cd
60%	6518 cd
70%	7604 cd
80%	8690 cd

Conditions:

Number of c-planes: 4

Candela at center: 10863 cd

ISO LUX DIAGRAM



3%	3,26 lx
5%	5,43 lx
10%	10,9 lx
30%	32,6 lx
50%	54,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 109 lx

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



Total lumen output:

3888 lm

Peak candela output:

5520 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30° x 60° Filter

Target:

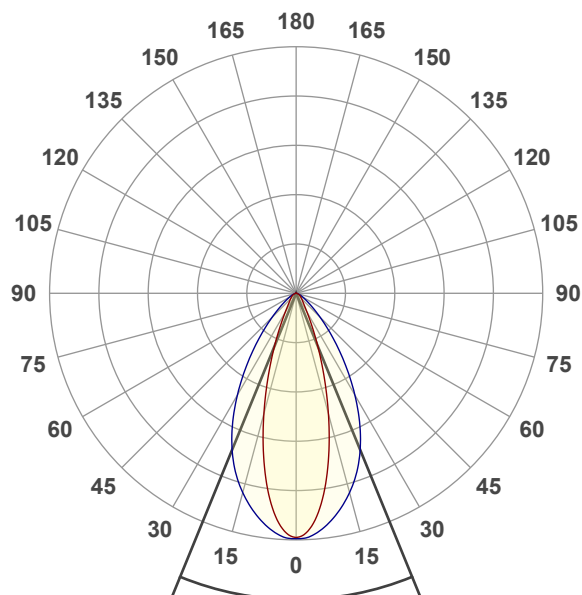
Full On

Operator:

Salvatore Giglio

Date and time:

08/02/2024 18:22:58

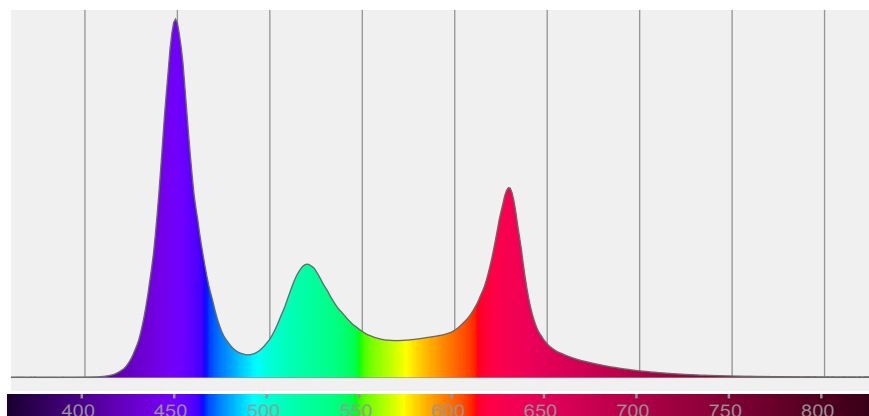


Beam angle 50%: 44,5°

Field angle 10%: 77,3°

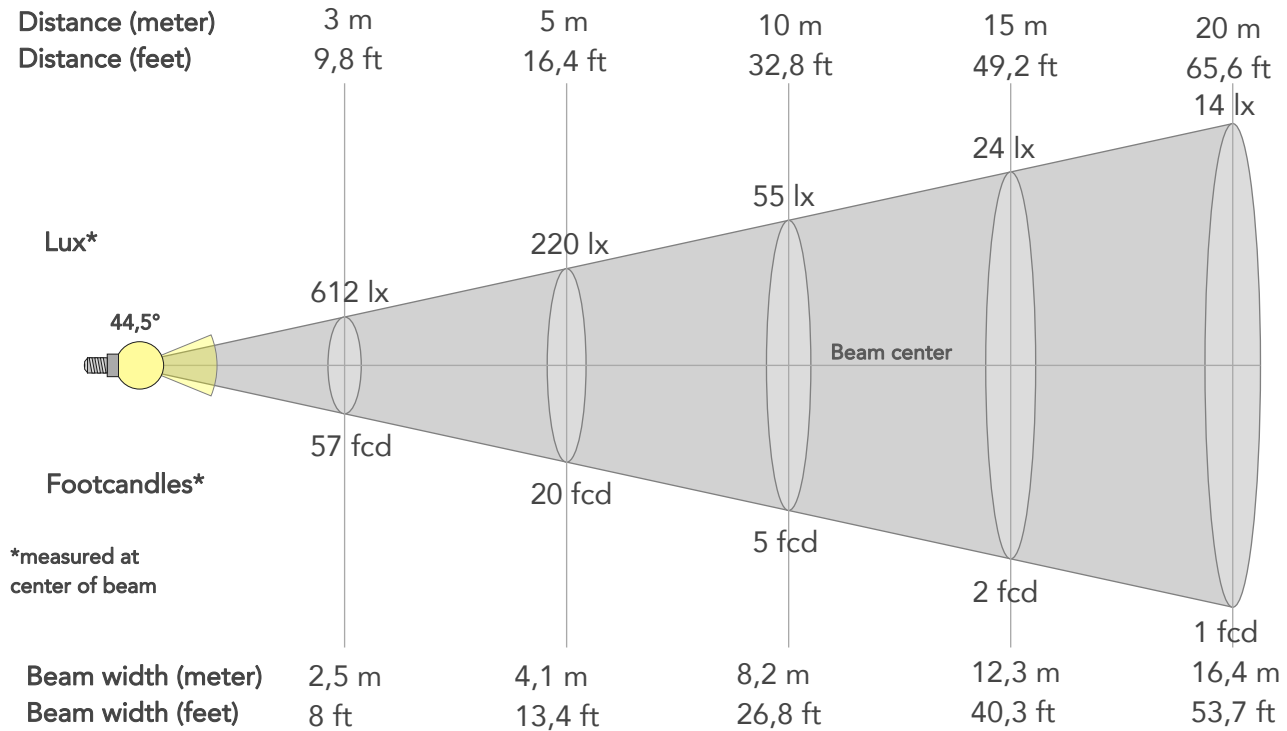
Cut off angle 2.5%: 113,6°

Spectra



BEAM DETAILS

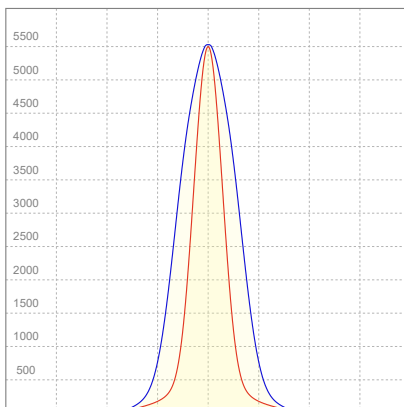
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,5°	77,3°	113,6°	96,3%	87,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5508lx	1377lx	612lx	344lx	220lx	98lx	55lx	24lx	14lx	9lx	6lx	3lx	2lx
Footcand.	512fcd	128fcd	57fcd	32fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,1m	8,2m	12,3m	16,4m	20,5m	24,5m	32,7m	40,9m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20,1ft	26,8ft	40,3ft	53,7ft	67,1ft	80,5ft	107,4ft	134,2ft

LINEAR DISTRIBUTION DIAGRAM

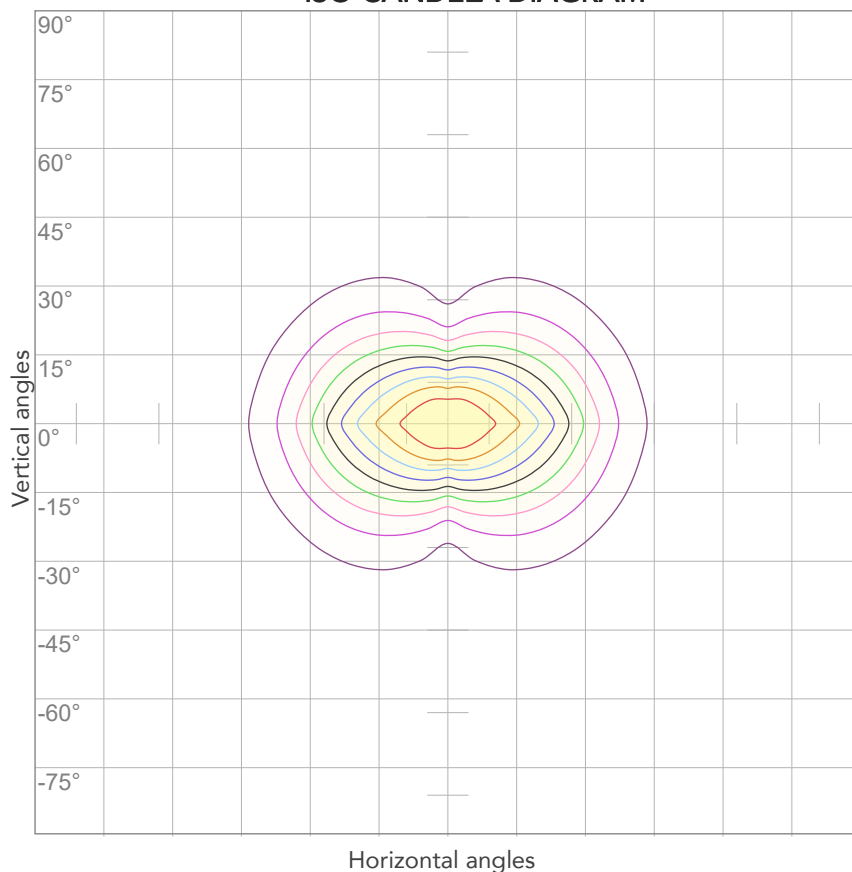


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,380A	78,3W	0,92	50lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



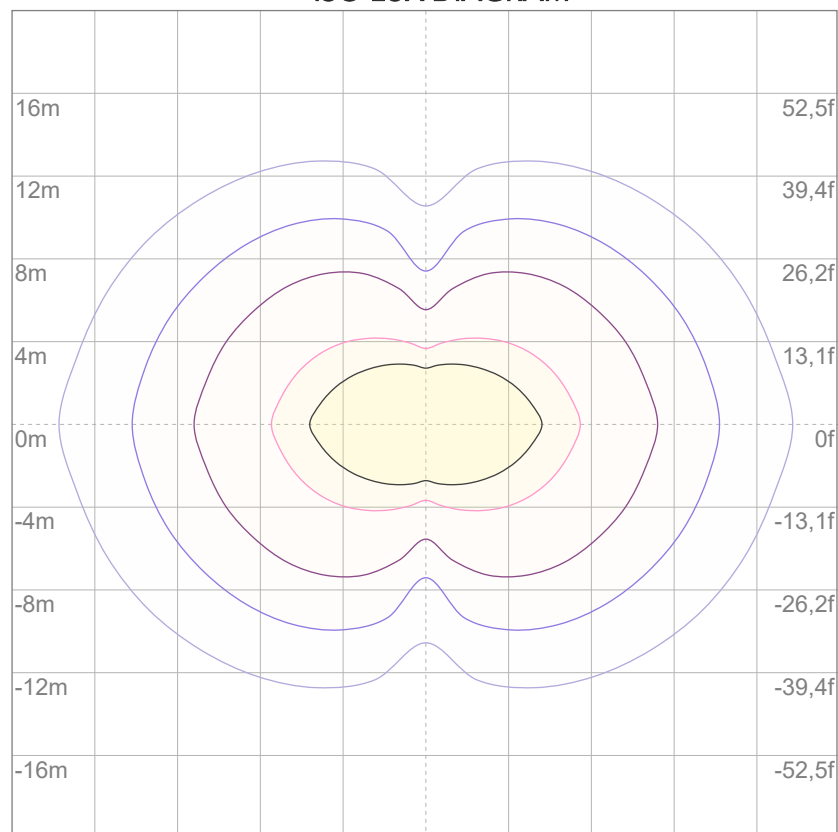
10%	551 cd
20%	1102 cd
30%	1652 cd
40%	2203 cd
50%	2754 cd
60%	3305 cd
70%	3855 cd
80%	4406 cd

Conditions:

Number of c-planes: 4

Candela at center: 5508 cd

ISO LUX DIAGRAM



3%	1,65 lx
5%	2,75 lx
10%	5,51 lx
30%	16,5 lx
50%	27,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 55,1 lx

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



Total lumen output:

1119 lm

Peak candela output:

19597 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

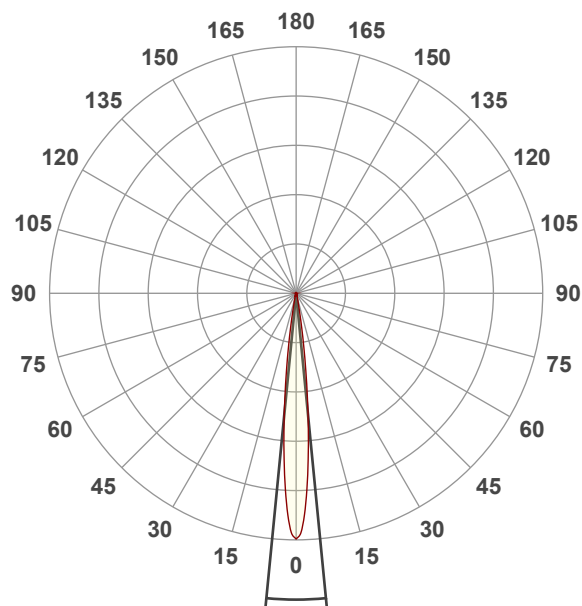
Red

Operator:

Giacomo Matteo

Date and time:

10/02/2024 11:24:59

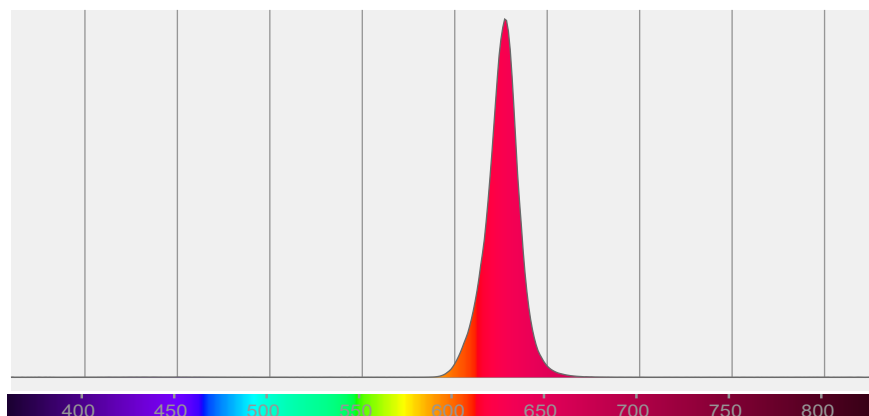


Beam angle 50%: 11,2°

Field angle 10%: 20°

Cut off angle 2.5%: 27,9°

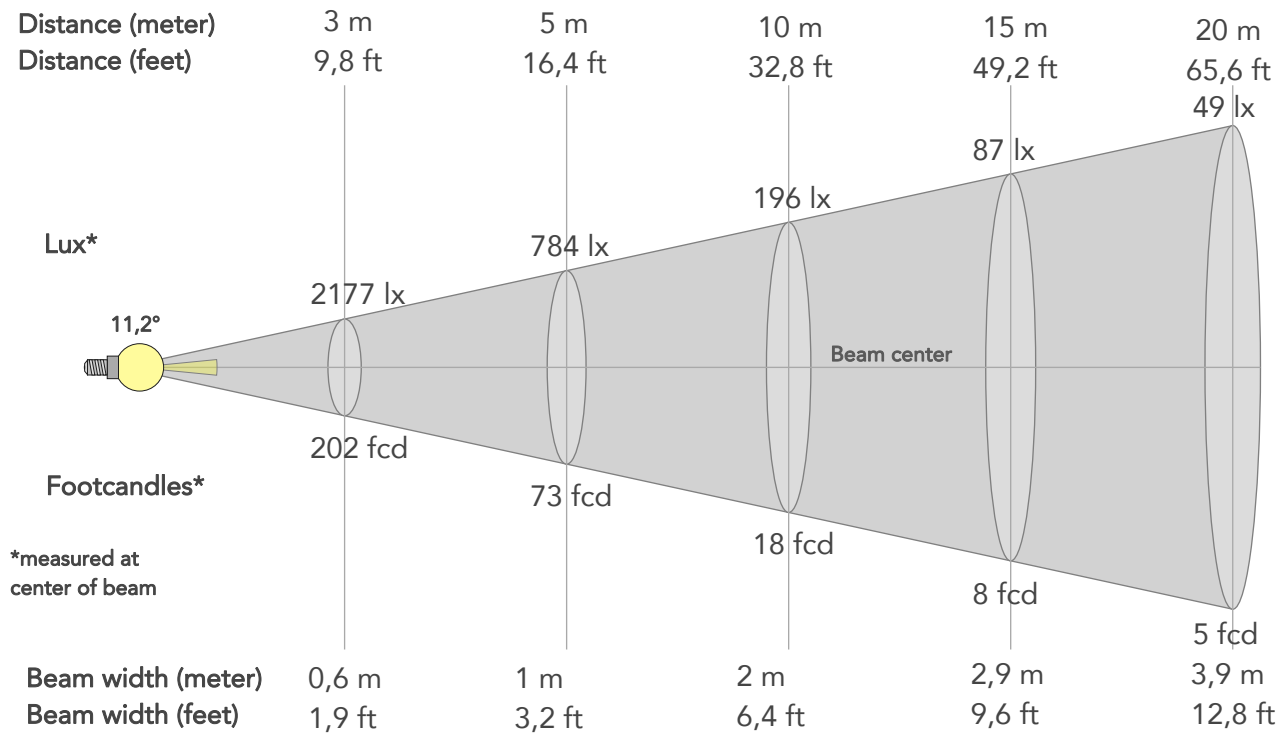
Spectra



BEAM DETAILS



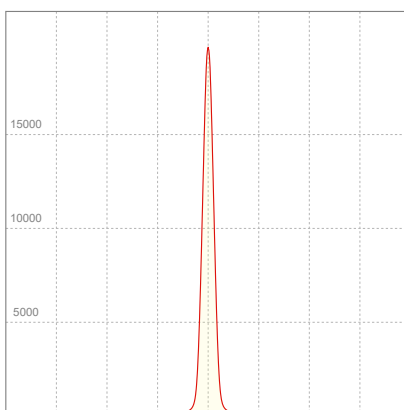
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,2°	20°	27,9°	95,7%	91,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	19597lx	4899lx	2177lx	1225lx	784lx	348lx	196lx	87lx	49lx	31lx	22lx	12lx	8lx
Footcand.	1821fcd	455fcd	202fcd	114fcd	73fcd	32fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	2,9m	3,9m	4,9m	5,9m	7,8m	9,8m
Beam wid.	0,6ft	1,3ft	1,9ft	2,6ft	3,2ft	4,8ft	6,4ft	9,6ft	12,8ft	16ft	19,2ft	25,6ft	32ft

LINEAR DISTRIBUTION DIAGRAM

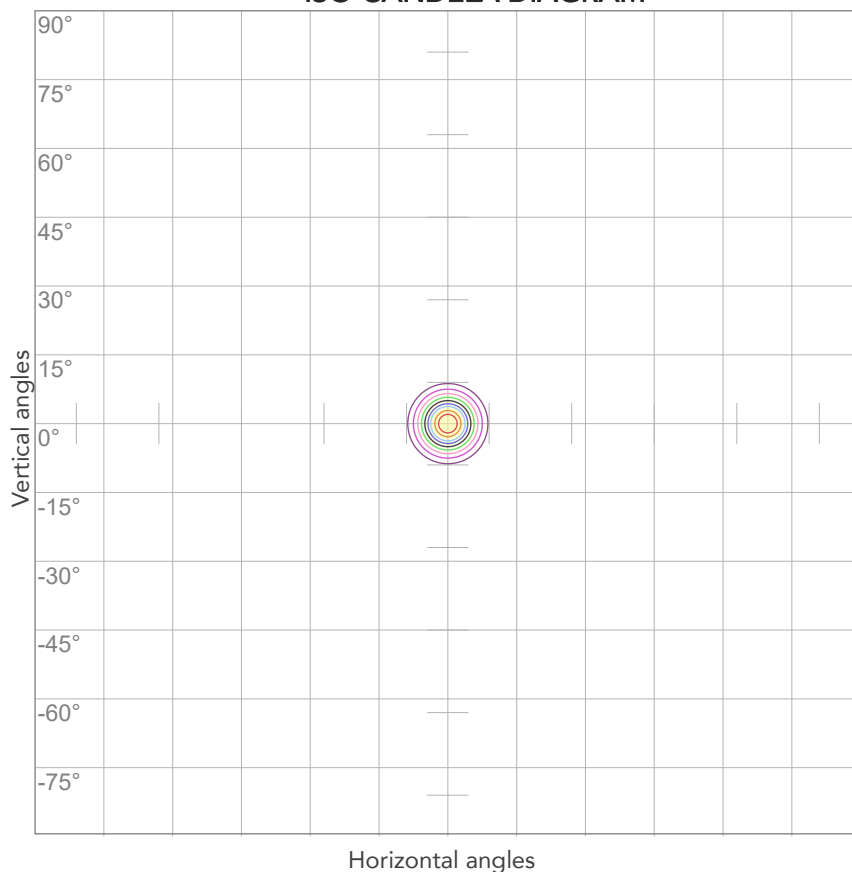


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,156A	27,9W	0,79	40lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



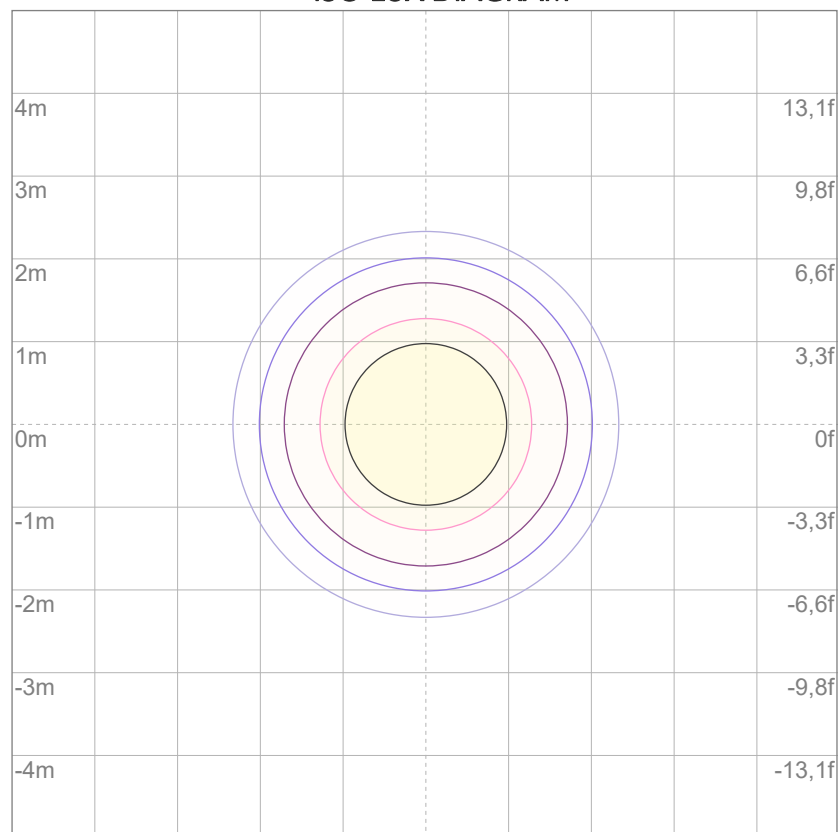
10%	1960 cd
20%	3919 cd
30%	5879 cd
40%	7839 cd
50%	9799 cd
60%	11758 cd
70%	13718 cd
80%	15678 cd

Conditions:

Number of c-planes: 2

Candela at center: 19597 cd

ISO LUX DIAGRAM



3%	5,88 lx
5%	9,80 lx
10%	19,6 lx
30%	58,8 lx
50%	98,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 196 lx

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



Total lumen output:

973 lm

Peak candela output:

3914 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

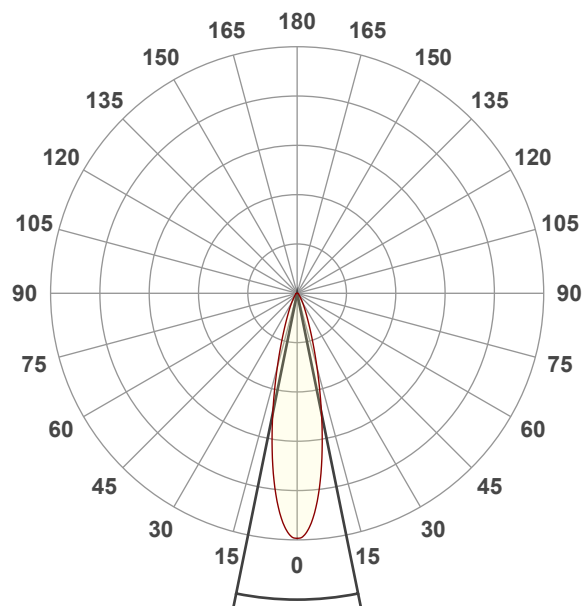
Red

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:43:39

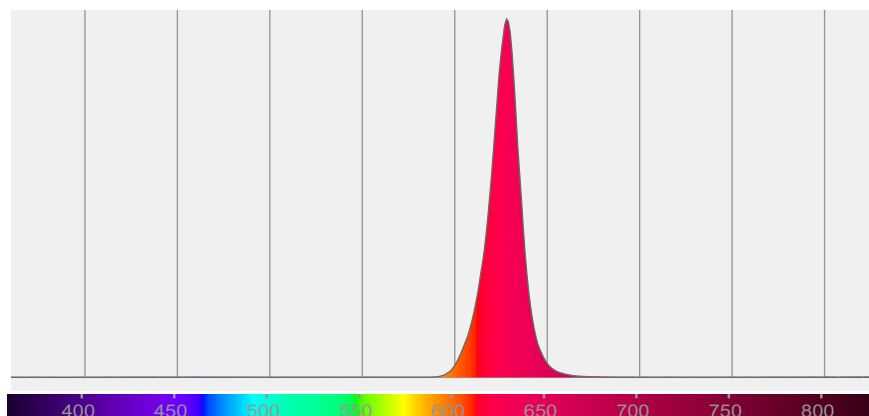


Beam angle 50%: 23°

Field angle 10%: 46°

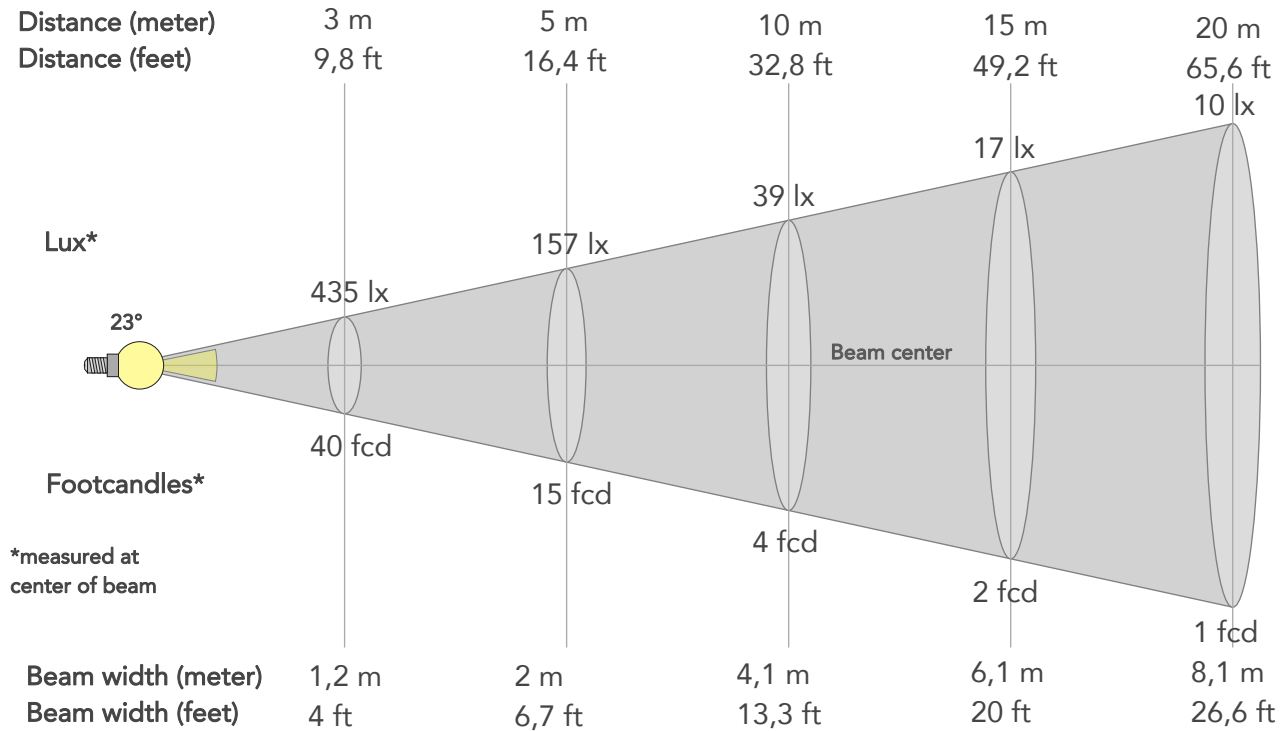
Cut off angle 2.5%: 72,3°

Spectra



BEAM DETAILS

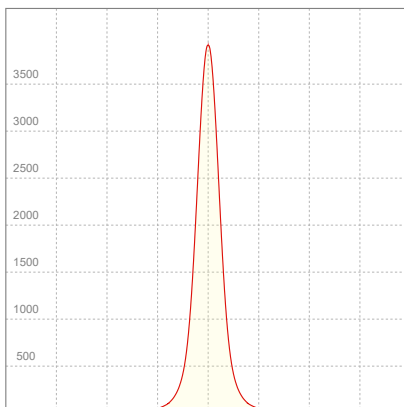
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	46°	72,3°	94,7%	89,9%



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	3914lx	978lx	435lx	245lx	157lx	70lx	39lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	364fcd	91fcd	40fcd	23fcd	15fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,2m	12,2m	16,2m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,6ft	33,3ft	40ft	53,3ft	66,6ft

LINEAR DISTRIBUTION DIAGRAM

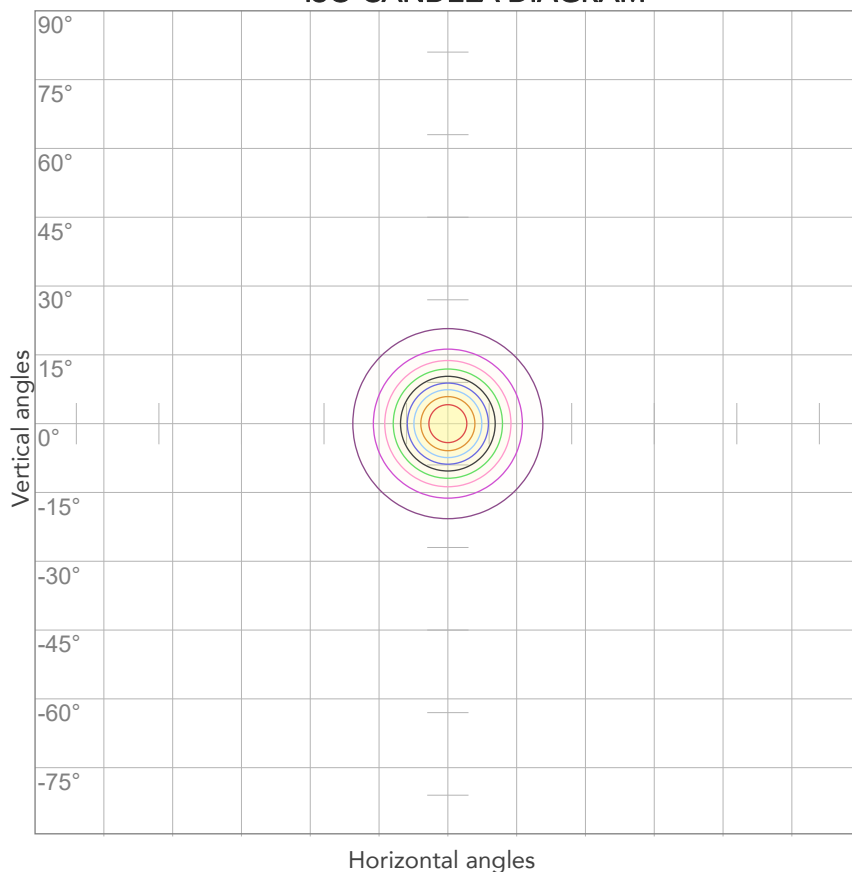


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,156A	27,7W	0,79	35lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



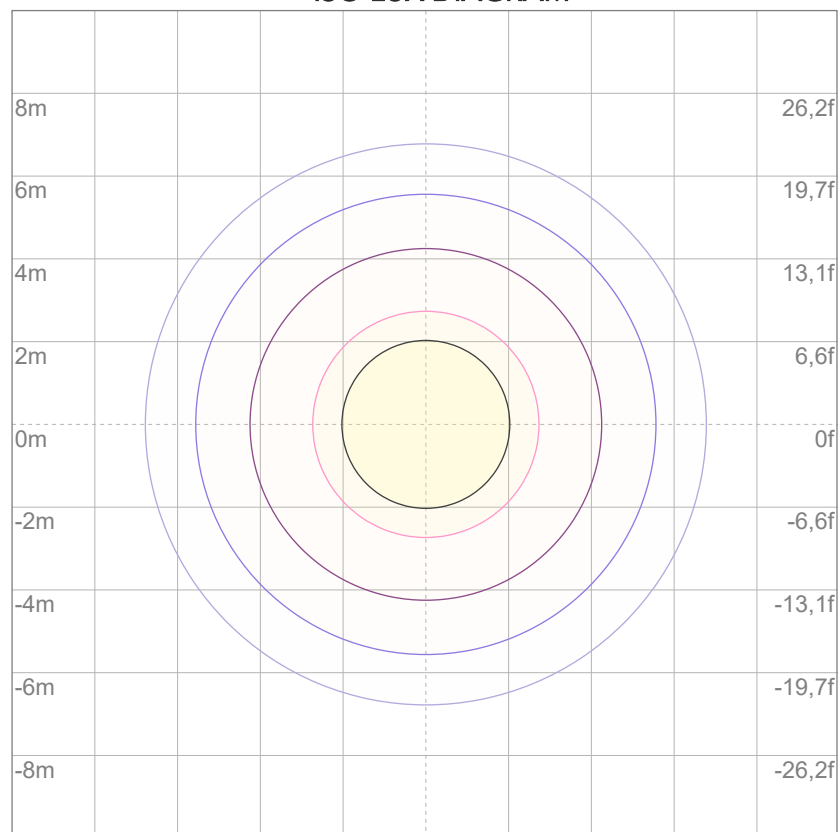
10%	391 cd
20%	783 cd
30%	1174 cd
40%	1566 cd
50%	1957 cd
60%	2348 cd
70%	2740 cd
80%	3131 cd

Conditions:

Number of c-planes: 2

Candela at center: 3914 cd

ISO LUX DIAGRAM



3%	1,17 lx
5%	1,96 lx
10%	3,91 lx
30%	11,7 lx
50%	19,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 39,1 lx

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



Total lumen output:

966 lm

Peak candela output:

1302 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

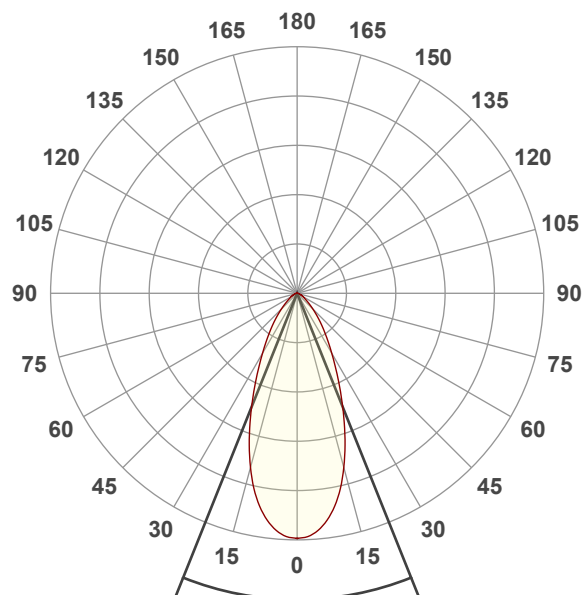
Red

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:09:50

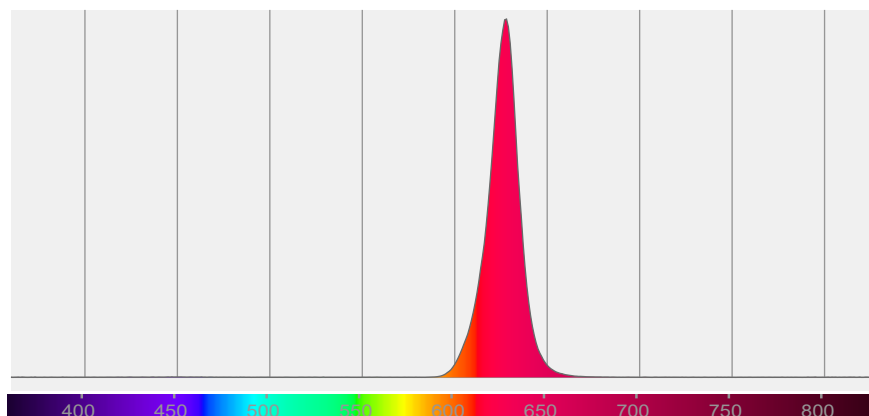


Beam angle 50%: 43,7°

Field angle 10%: 87,8°

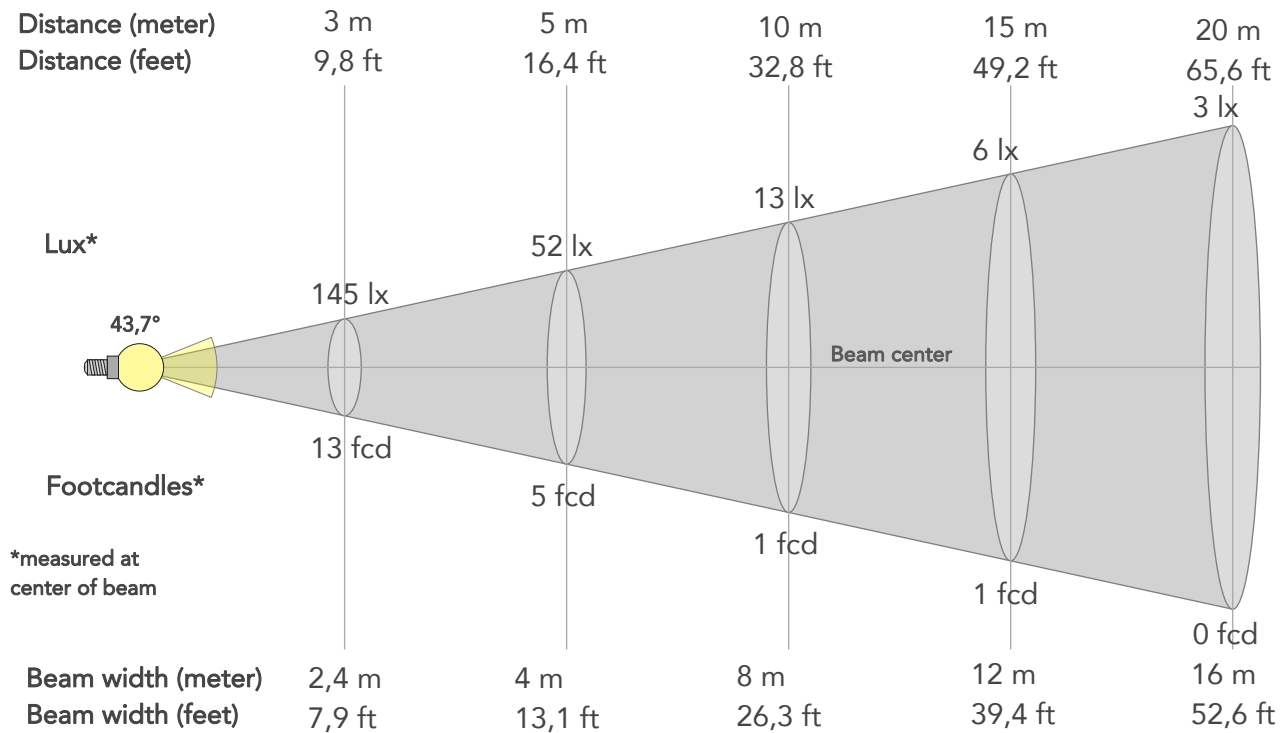
Cut off angle 2.5%: 122,8°

Spectra



BEAM DETAILS

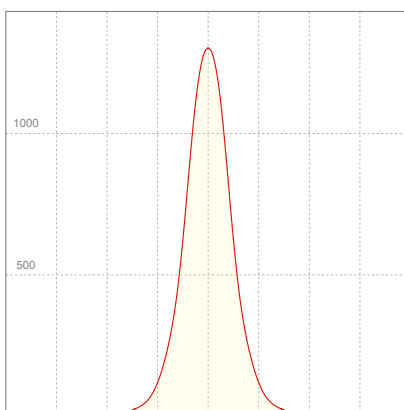
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,7°	87,8°	122,8°	95,8%	86,8%



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	1302lx	325lx	145lx	81lx	52lx	23lx	13lx	6lx	3lx	2lx	1lx	1lx	1lx
Footcand.	121fcd	30fcd	13fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12m	16m	20m	24,1m	32,1m	40,1m
Beam wid.	2,6ft	5,3ft	7,9ft	10,5ft	13,1ft	19,7ft	26,3ft	39,4ft	52,6ft	65,7ft	78,9ft	105,2ft	131,5ft

LINEAR DISTRIBUTION DIAGRAM

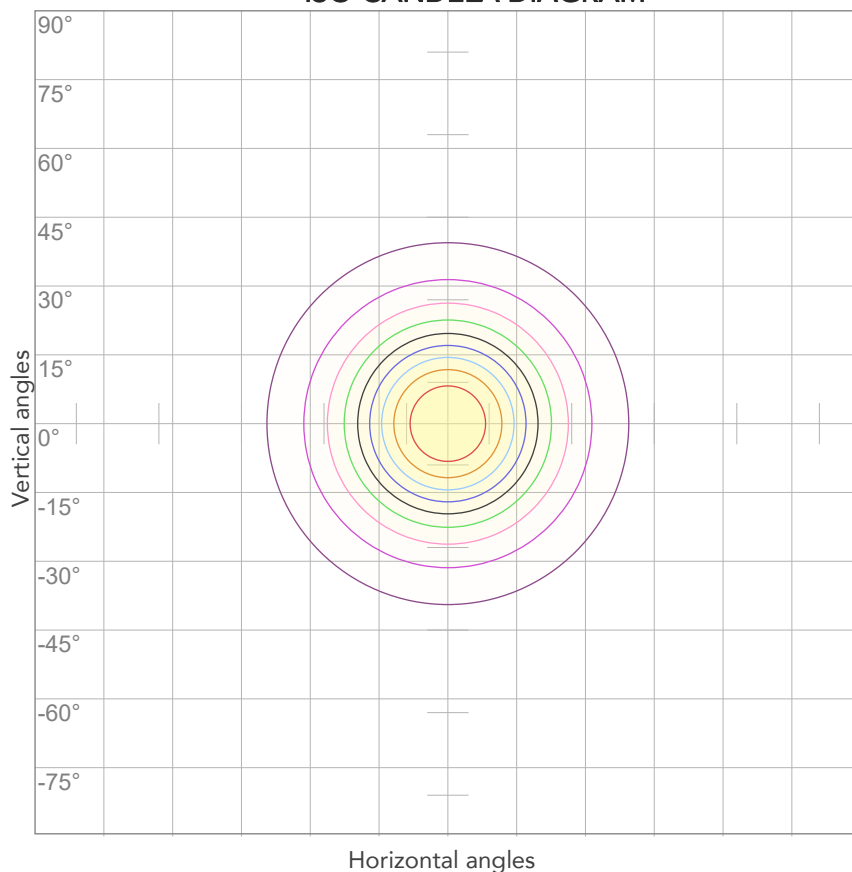


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,157A	27,9W	0,79	35lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



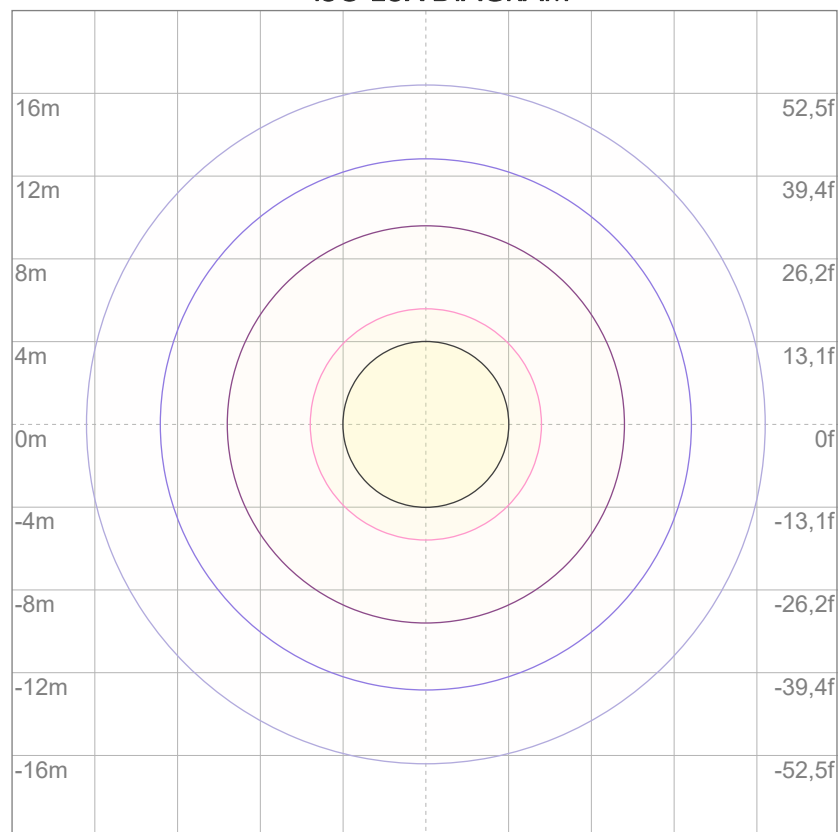
10%	130 cd
20%	260 cd
30%	391 cd
40%	521 cd
50%	651 cd
60%	781 cd
70%	911 cd
80%	1041 cd

Conditions:

Number of c-planes: 2

Candela at center: 1302 cd

ISO LUX DIAGRAM



3%	0,391 lx
5%	0,651 lx
10%	1,30 lx
30%	3,91 lx
50%	6,51 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,0 lx

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



Total lumen output:

935 lm

Peak candela output:

832 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

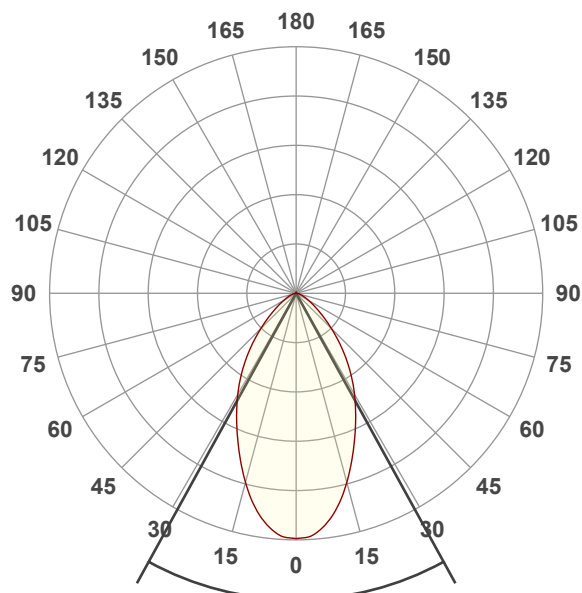
Red

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:50:45

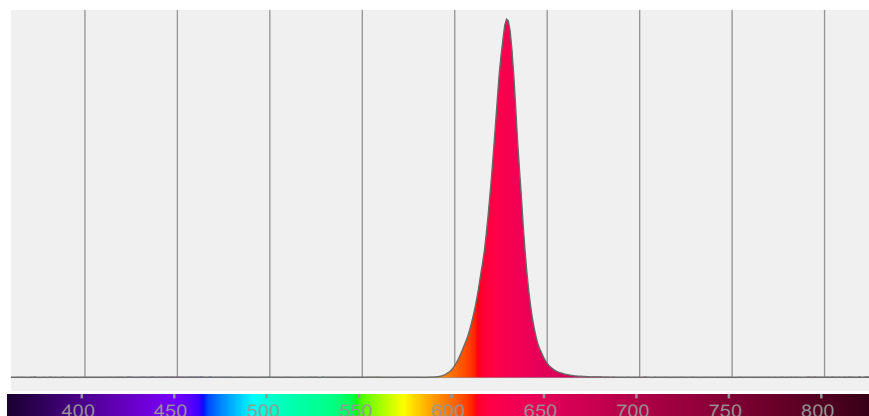


Beam angle 50%: 57,5°

Field angle 10%: 107,7°

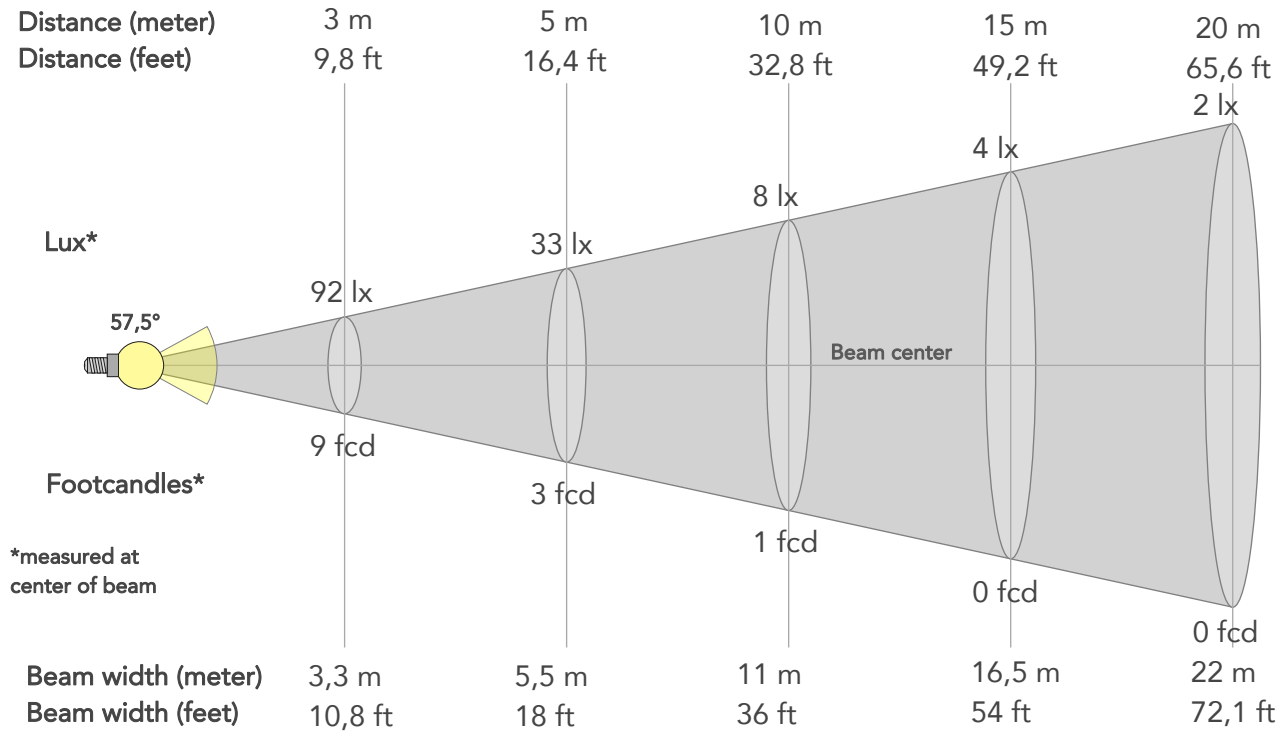
Cut off angle 2.5%: 140,6°

Spectra



BEAM DETAILS

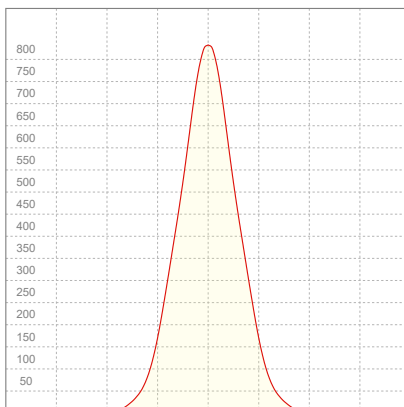
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,5°	107,7°	140,6°	93,9%	80,5%



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	832lx	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	3,3m	4,4m	5,5m	8,2m	11m	16,5m	22m	27,5m	33m	43,9m	54,9m
Beam wid.	3,6ft	7,2ft	10,8ft	14,4ft	18ft	27ft	36ft	54ft	72,1ft	90,1ft	108,1ft	144,1ft	180,1ft

LINEAR DISTRIBUTION DIAGRAM

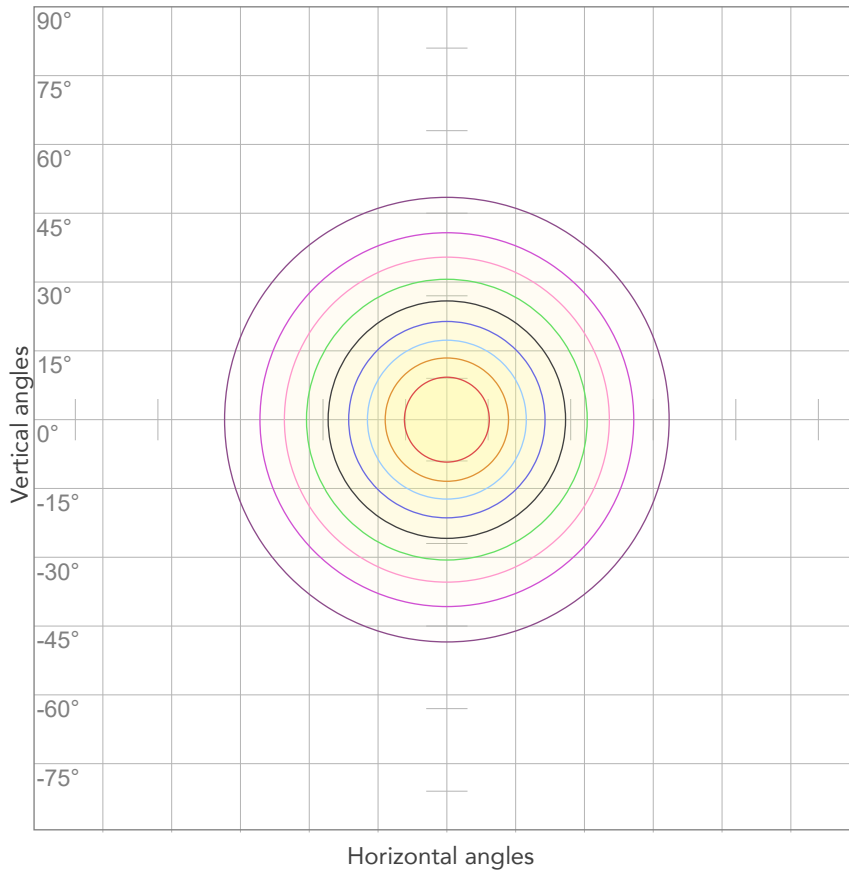


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,156A	27,7W	0,79	34lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



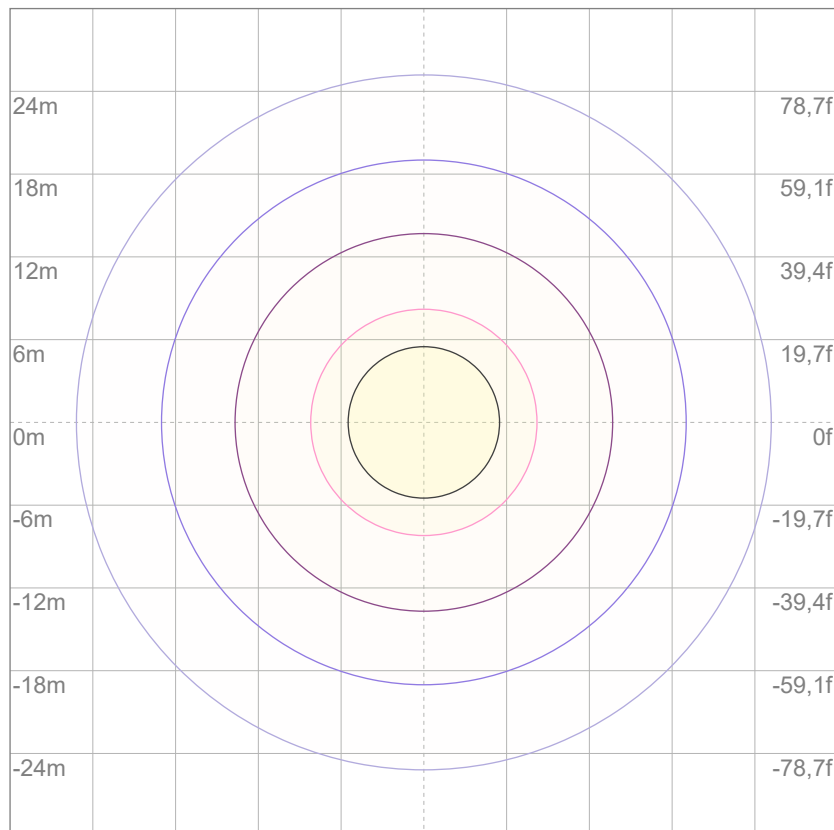
10%	83 cd
20%	166 cd
30%	250 cd
40%	333 cd
50%	416 cd
60%	499 cd
70%	582 cd
80%	666 cd

Conditions:

Number of c-planes: 2

Candela at center: 832 cd

ISO LUX DIAGRAM



3%	0,250 lx
5%	0,416 lx
10%	0,832 lx
30%	2,50 lx
50%	4,16 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,32 lx

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



Total lumen output:

1282 lm

Peak candela output:

2670 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60° Filter

Target:

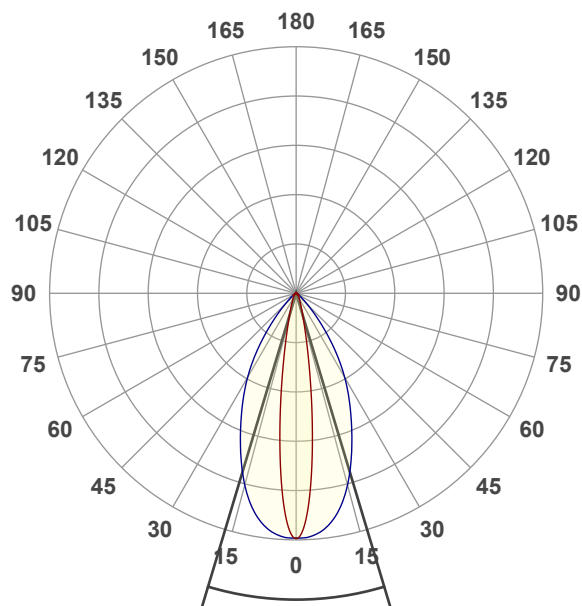
Red

Operator:

Salvatore Giglio

Date and time:

09/02/2024 10:34:27

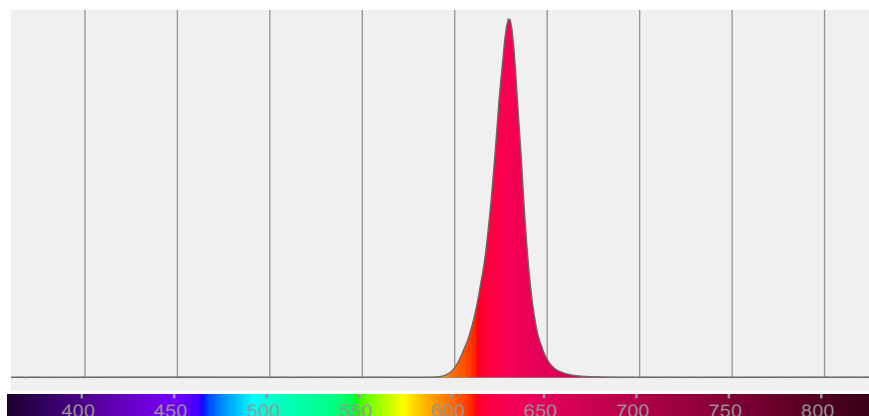


Beam angle 50%: 33,4°

Field angle 10%: 58,8°

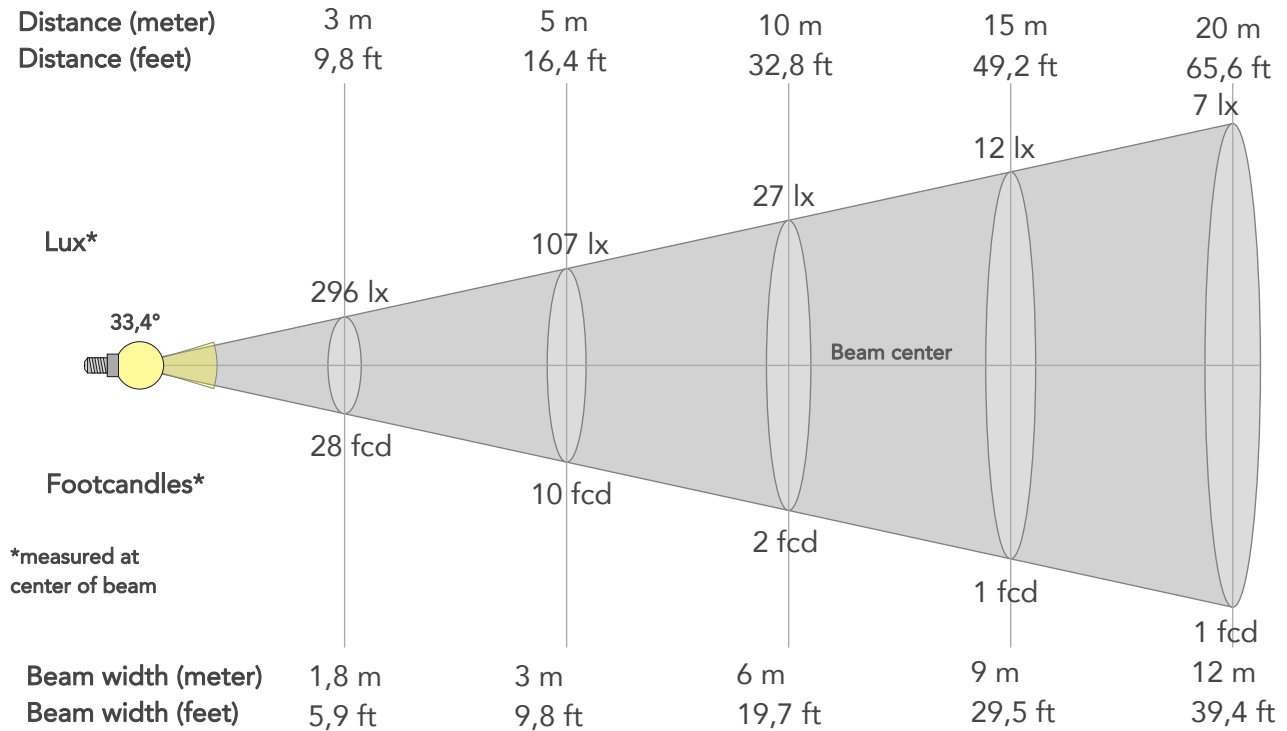
Cut off angle 2.5%: 83,4°

Spectra



BEAM DETAILS

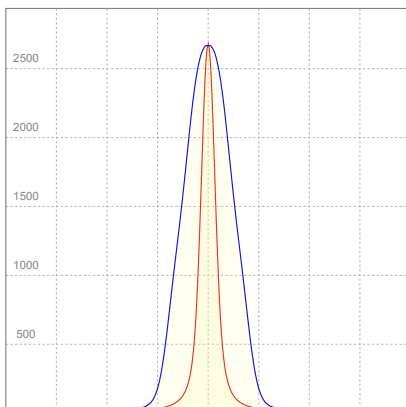
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,8°	83,4°	97,2%	92,0%



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	2668lx	667lx	296lx	167lx	107lx	47lx	27lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	248fcd	62fcd	28fcd	15fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,4ft	49,2ft	59,1ft	78,8ft	98,5ft

LINEAR DISTRIBUTION DIAGRAM

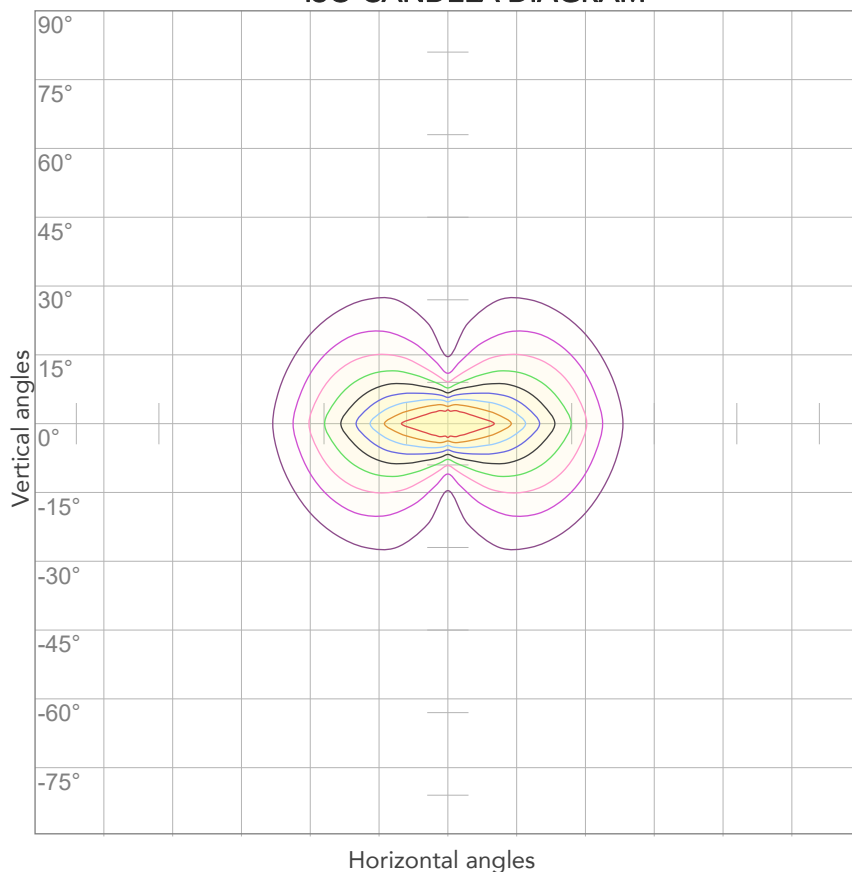


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,155A	27,4W	0,78	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



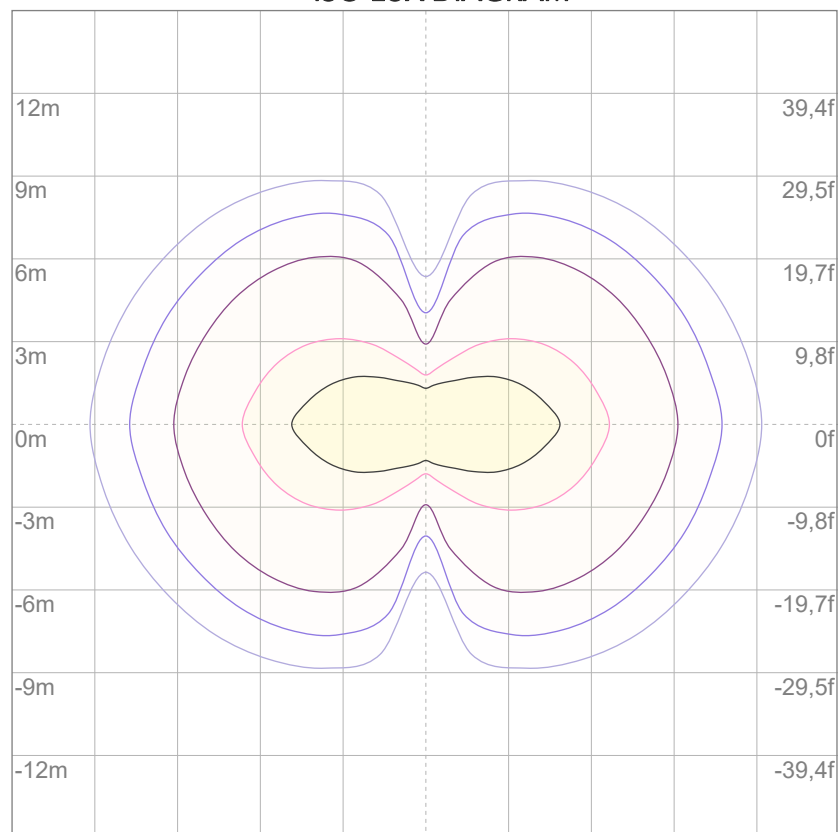
10%	267 cd
20%	534 cd
30%	800 cd
40%	1067 cd
50%	1334 cd
60%	1601 cd
70%	1868 cd
80%	2134 cd

Conditions:

Number of c-planes: 4

Candela at center: 2668 cd

ISO LUX DIAGRAM



3%	0,800 lx
5%	1,33 lx
10%	2,67 lx
30%	8,00 lx
50%	13,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 26,7 lx

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



Total lumen output:

1033 lm

Peak candela output:

1471 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

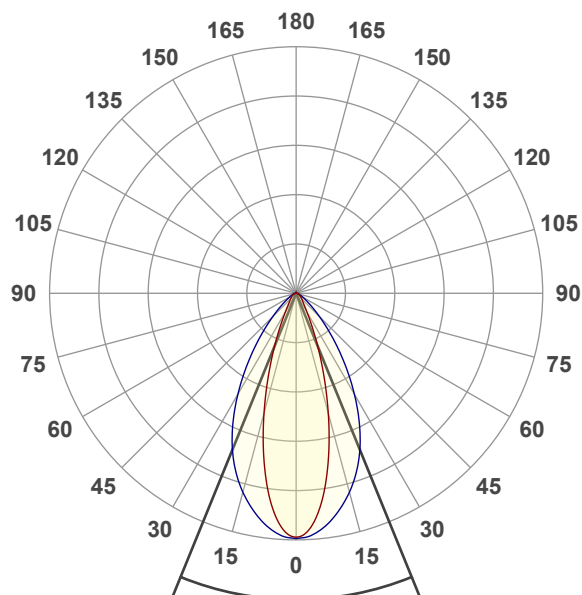
Red

Operator:

Salvatore Giglio

Date and time:

08/02/2024 18:14:49

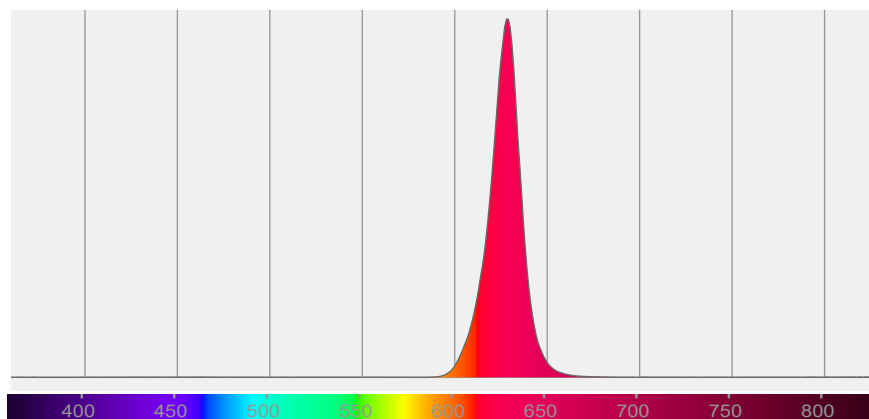


Beam angle 50%: 44,3°

Field angle 10%: 76,8°

Cut off angle 2.5%: 113,3°

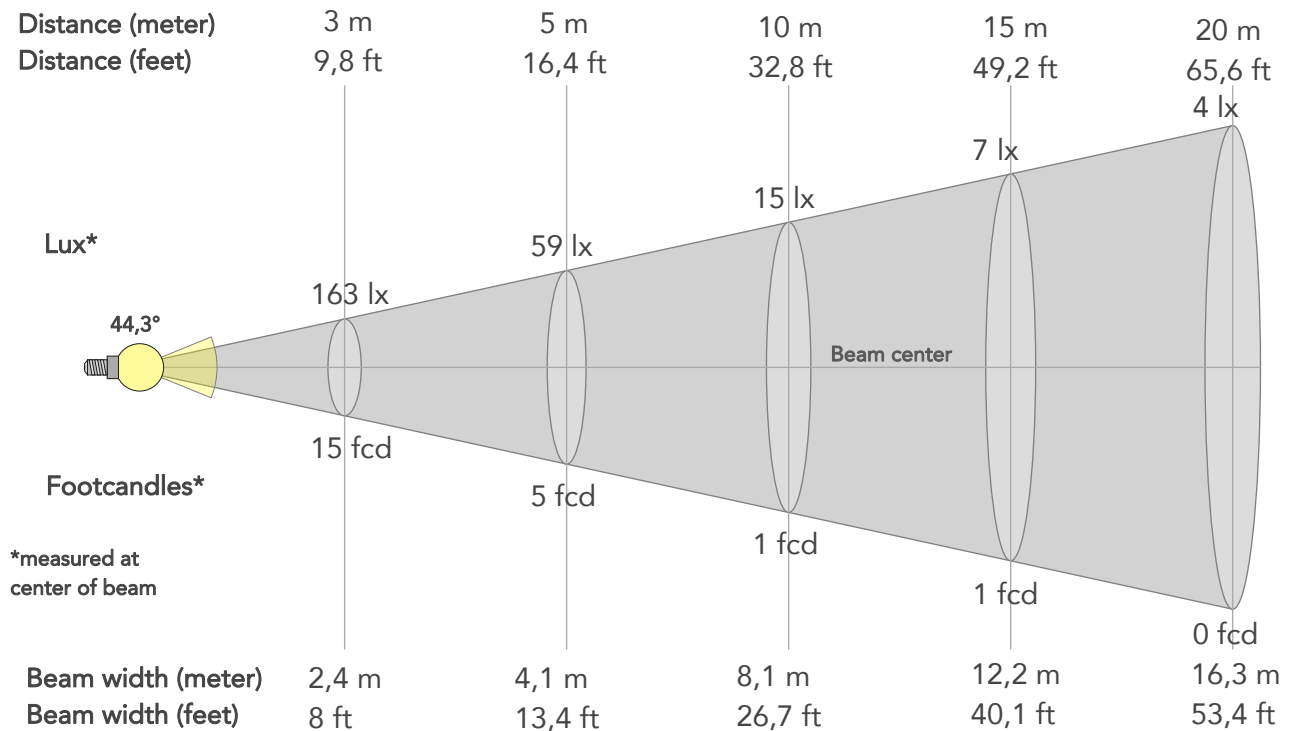
Spectra



BEAM DETAILS



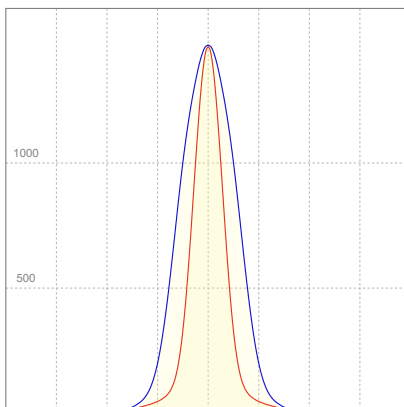
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,3°	76,8°	113,3°	95,8%	87,4%



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	1467lx	367lx	163lx	92lx	59lx	26lx	15lx	7lx	4lx	2lx	2lx	1lx	1lx
Footcand.	136fcd	34fcd	15fcd	9fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,4m	24,4m	32,6m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20ft	26,7ft	40,1ft	53,4ft	66,8ft	80,2ft	106,9ft	133,6ft

LINEAR DISTRIBUTION DIAGRAM

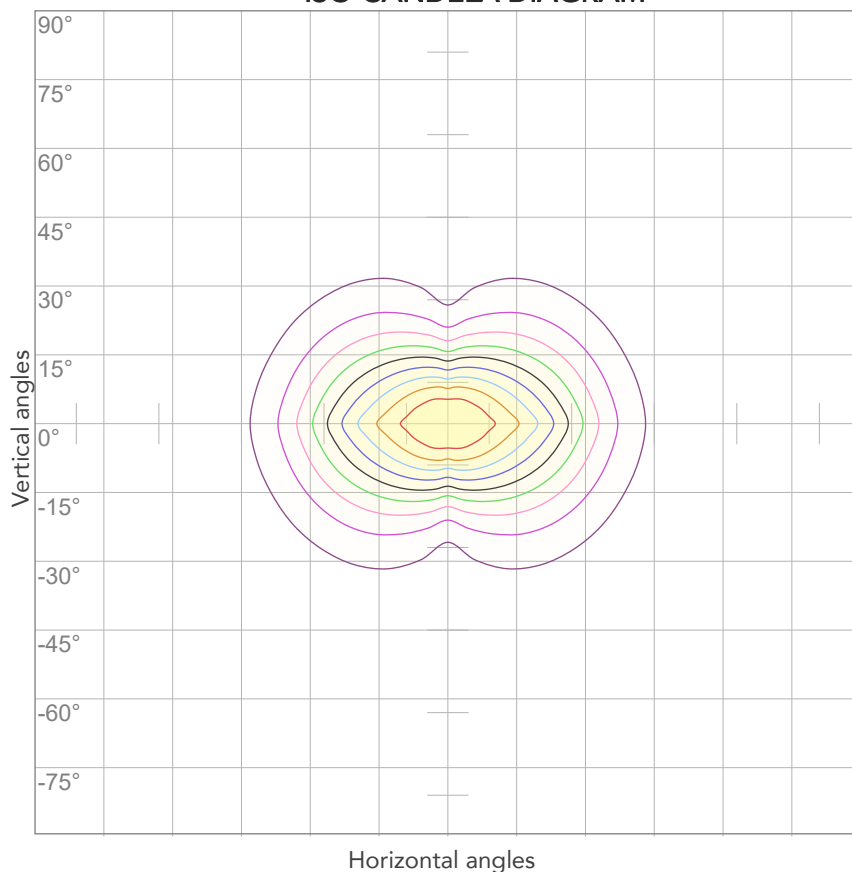


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,155A	27,6W	0,79	37lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



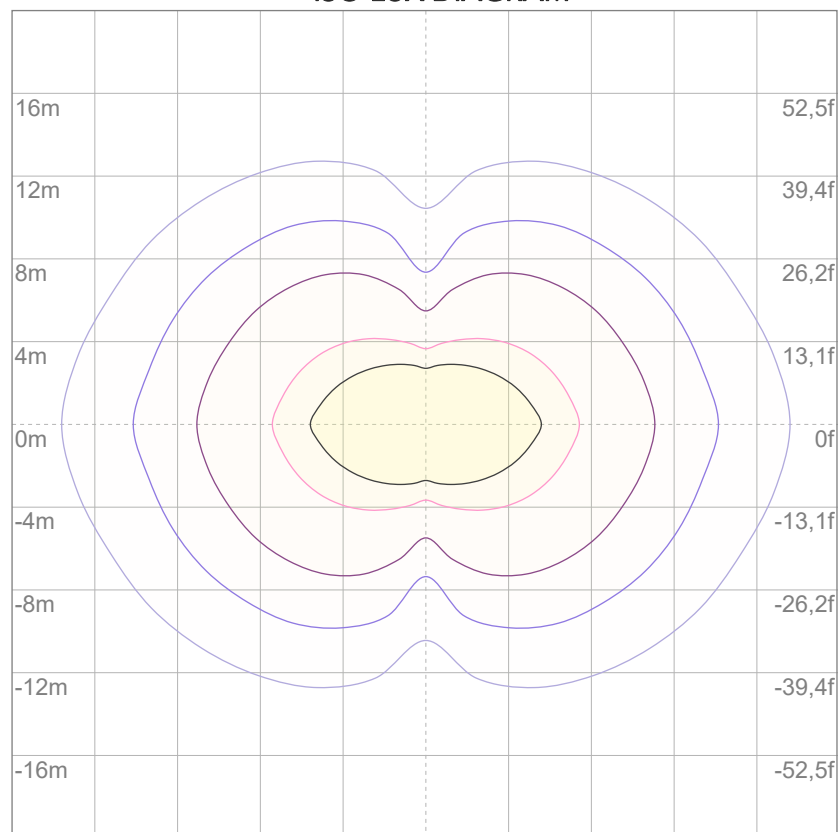
10%	147 cd
20%	293 cd
30%	440 cd
40%	587 cd
50%	734 cd
60%	880 cd
70%	1027 cd
80%	1174 cd

Conditions:

Number of c-planes: 4

Candela at center: 1467 cd

ISO LUX DIAGRAM



3%	0,440 lx
5%	0,734 lx
10%	1,47 lx
30%	4,40 lx
50%	7,34 lx

Conditions:

Number of c-planes: 4

Lux at center: 14,7 lx

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



Total lumen output:

2455 lm

Peak candela output:

49696 cd

PRODUCT NAME:

ARCSPOTMFC

MEASUREMENT CONDITIONS:

Beam angle:

10°

Target:

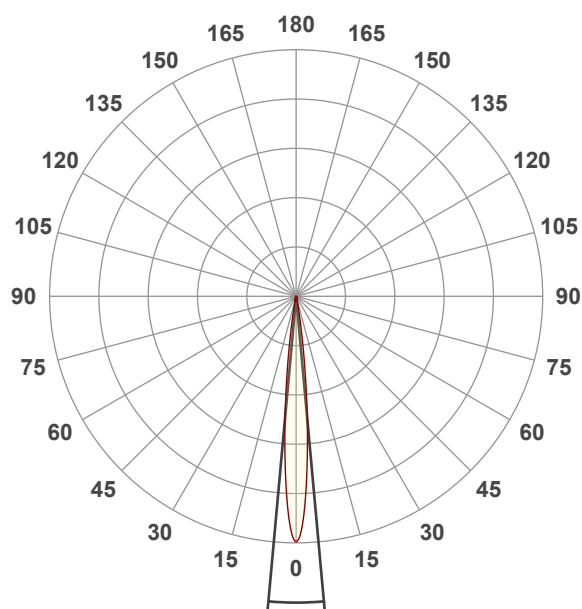
Green

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:07:22

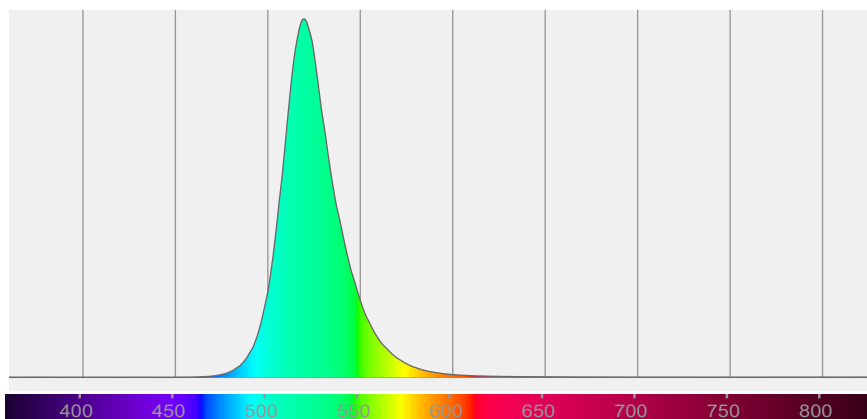


Beam angle 50%: 10,4°

Field angle 10%: 18,7°

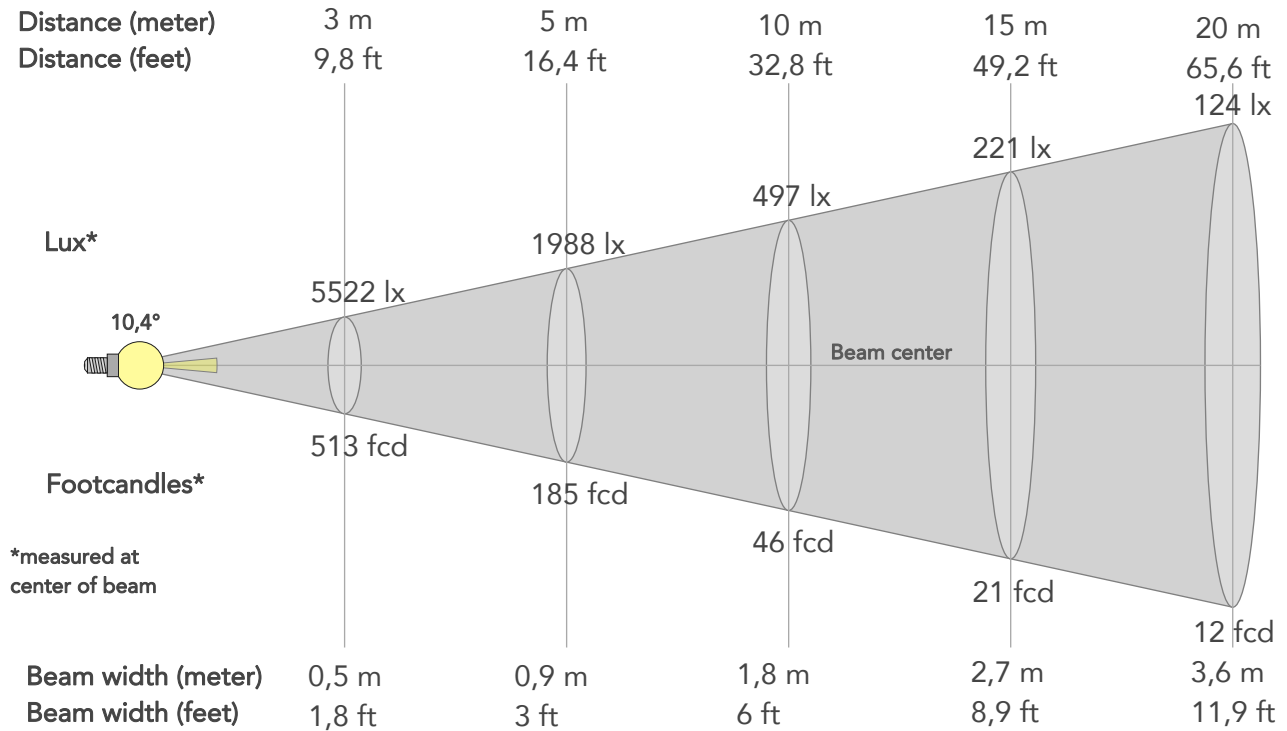
Cut off angle 2.5%: 25,2°

Spectra



BEAM DETAILS

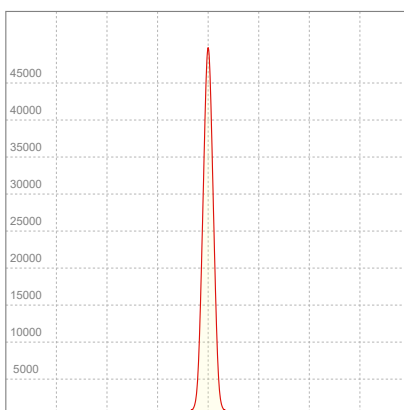
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,7°	25,2°	95,6%	92,2%



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	49696lx	12424lx	5522lx	3106lx	1988lx	883lx	497lx	221lx	124lx	80lx	55lx	31lx	20lx
Footcand.	4617fcd	1154fcd	513fcd	289fcd	185fcd	82fcd	46fcd	21fcd	12fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,5m	7,3m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	8,9ft	11,9ft	14,9ft	17,9ft	23,9ft	29,8ft

LINEAR DISTRIBUTION DIAGRAM

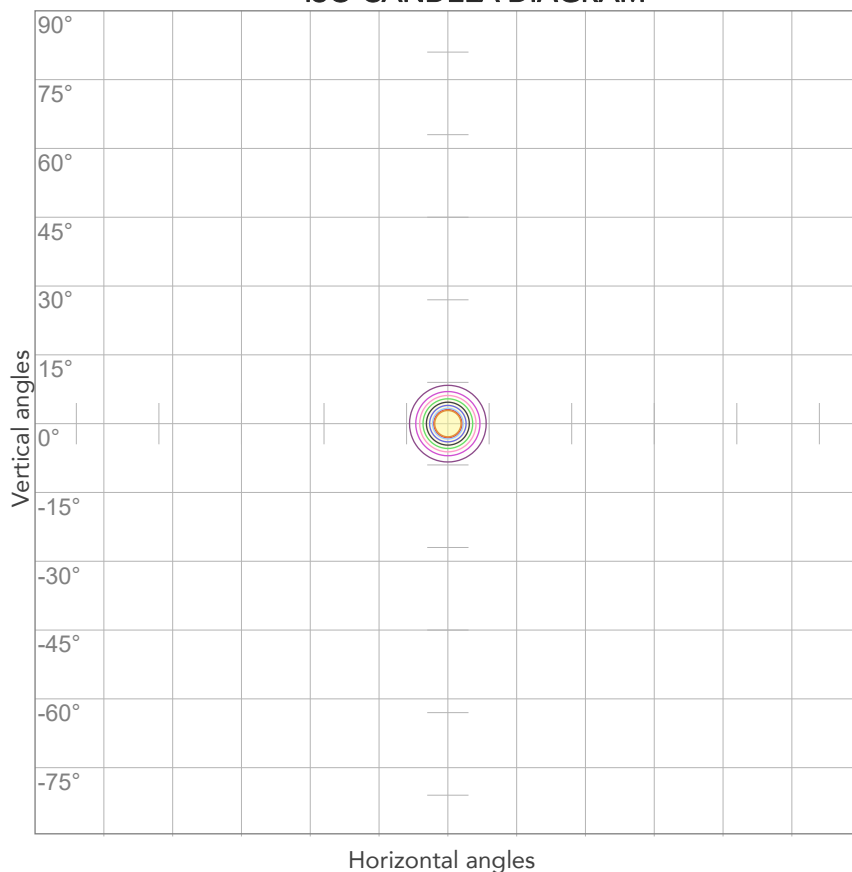


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,182A	34,0W	0,83	72lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



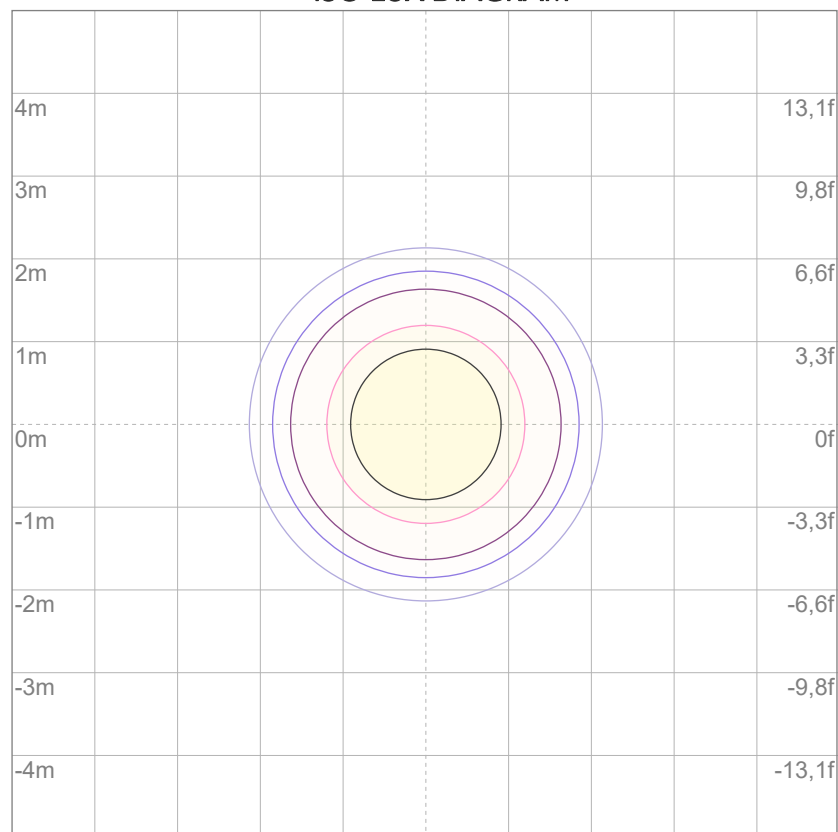
10%	4970 cd
20%	9939 cd
30%	14909 cd
40%	19878 cd
50%	24848 cd
60%	29818 cd
70%	34787 cd
80%	39757 cd

Conditions:

Number of c-planes: 2

Candela at center: 49696 cd

ISO LUX DIAGRAM



3%	14,9 lx
5%	24,8 lx
10%	49,7 lx
30%	149 lx
50%	248 lx

Conditions:

Number of c-planes: 2

Lux at center: 497 lx

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



Total lumen output:

2176 lm

Peak candela output:

9011 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

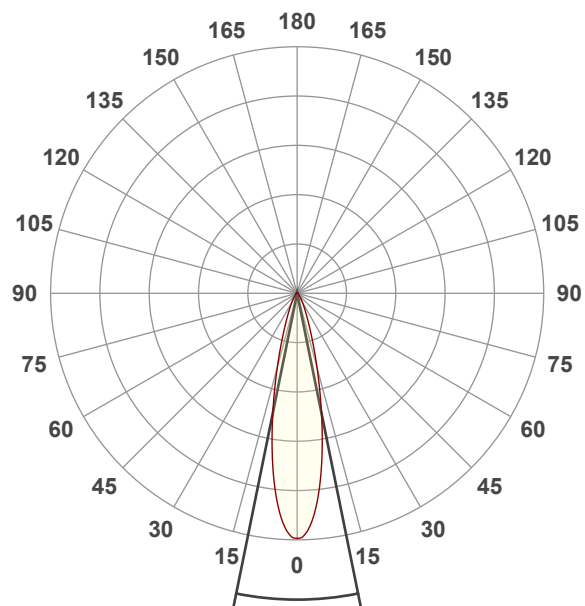
Green

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:45:21

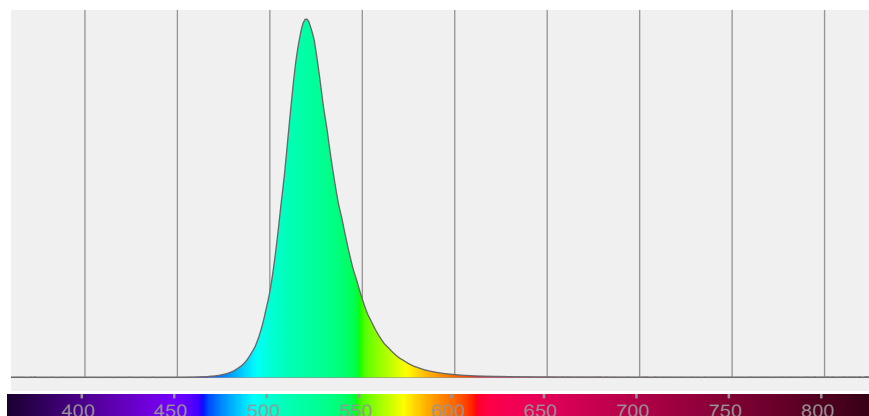


Beam angle 50%: 22,9°

Field angle 10%: 45,9°

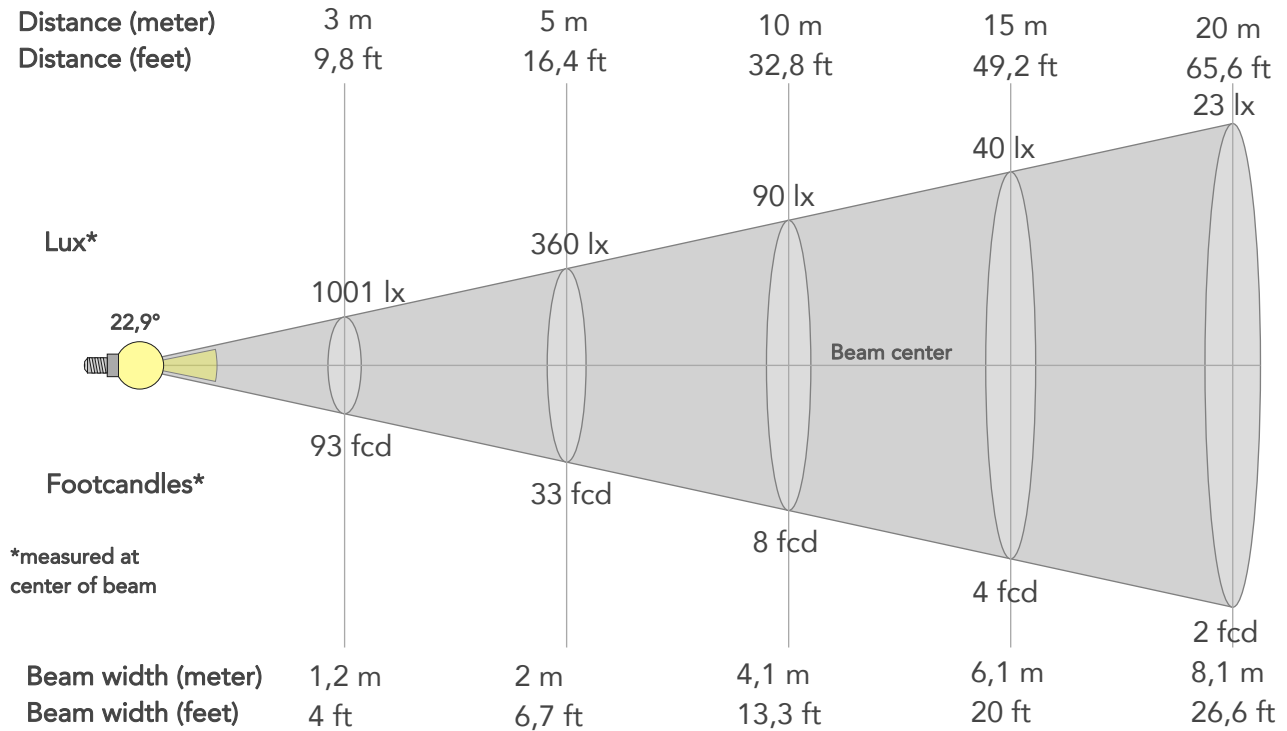
Cut off angle 2.5%: 71,9°

Spectra



BEAM DETAILS

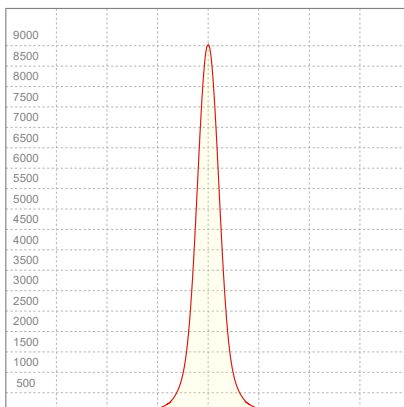
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,9°	45,9°	71,9°	96,7%	92,1%



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	9011lx	2253lx	1001lx	563lx	360lx	160lx	90lx	40lx	23lx	14lx	10lx	6lx	4lx
Footcand.	837fcd	209fcd	93fcd	52fcd	33fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,1m	12,2m	16,2m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,6ft	33,3ft	39,9ft	53,3ft	66,6ft

LINEAR DISTRIBUTION DIAGRAM

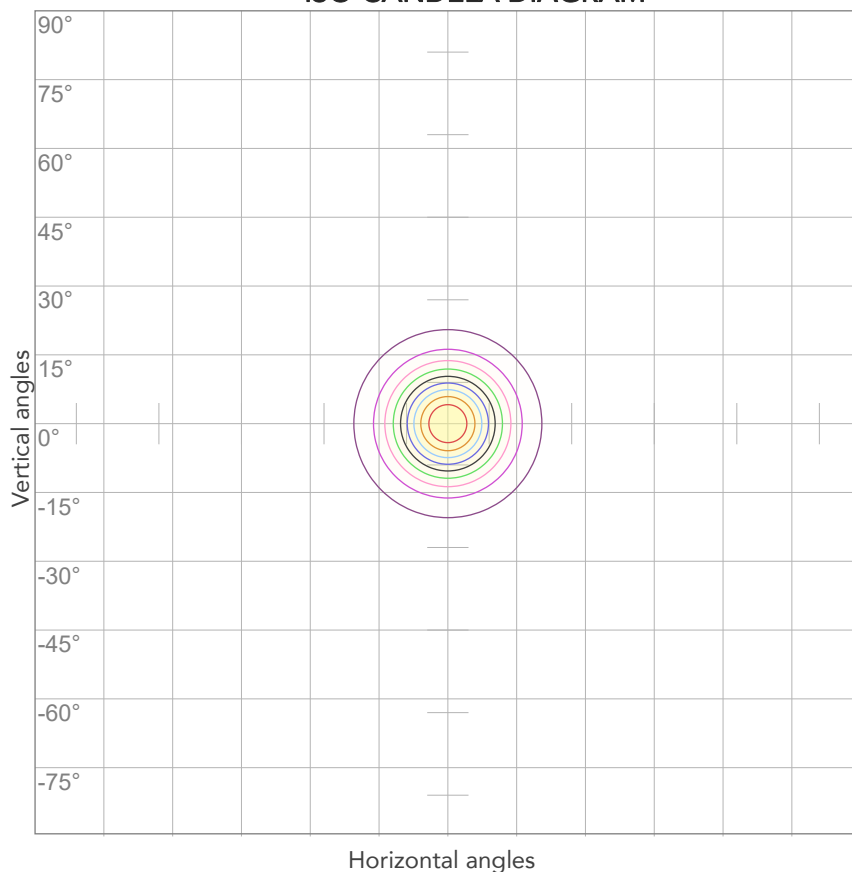


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	0,183A	33,9W	0,83	64lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



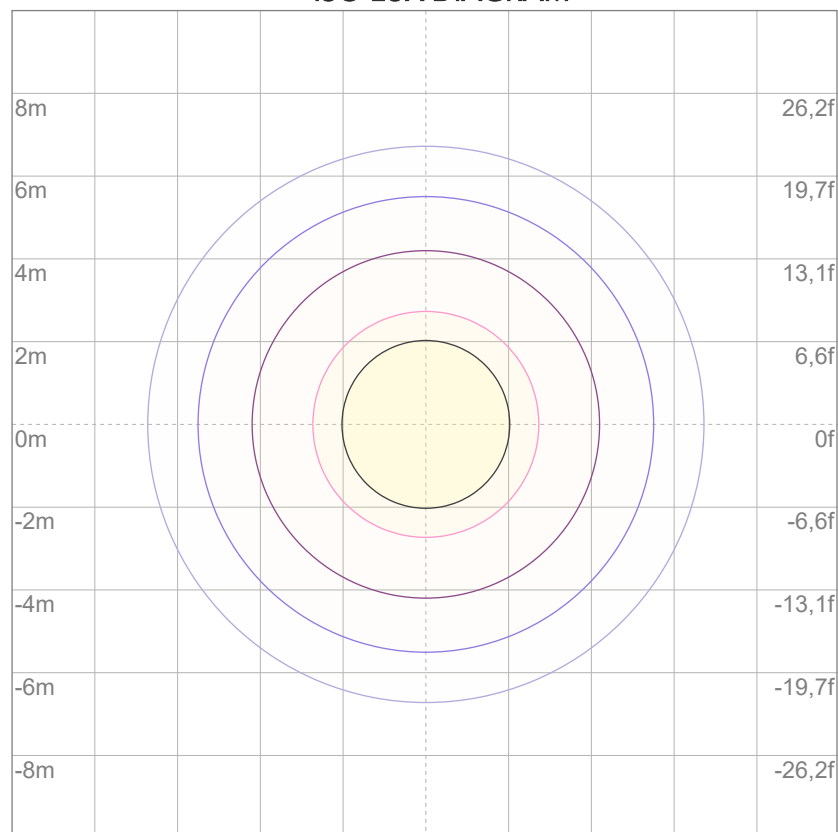
10%	901 cd
20%	1802 cd
30%	2703 cd
40%	3605 cd
50%	4506 cd
60%	5407 cd
70%	6308 cd
80%	7209 cd

Conditions:

Number of c-planes: 2

Candela at center: 9011 cd

ISO LUX DIAGRAM



3%	2,70 lx
5%	4,51 lx
10%	9,01 lx
30%	27,0 lx
50%	45,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 90,1 lx

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



Total lumen output:

2168 lm

Peak candela output:

2881 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

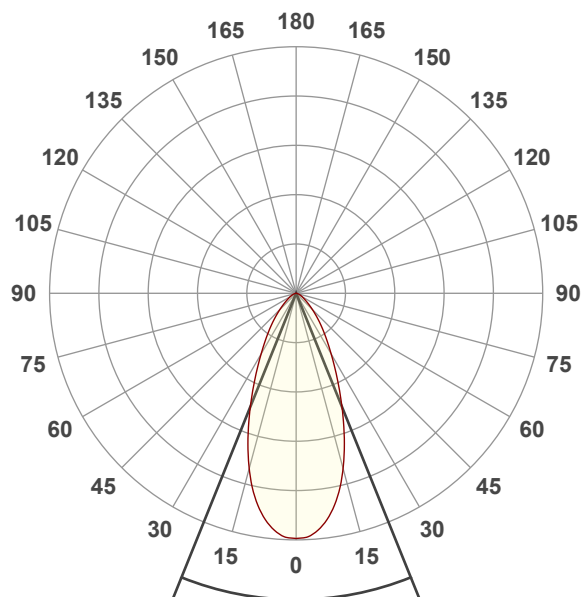
Green

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:14:59

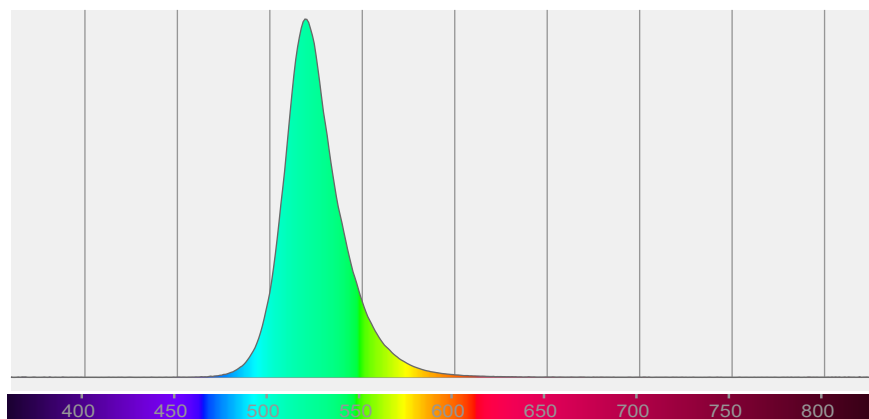


Beam angle 50%: 44°

Field angle 10%: 88,6°

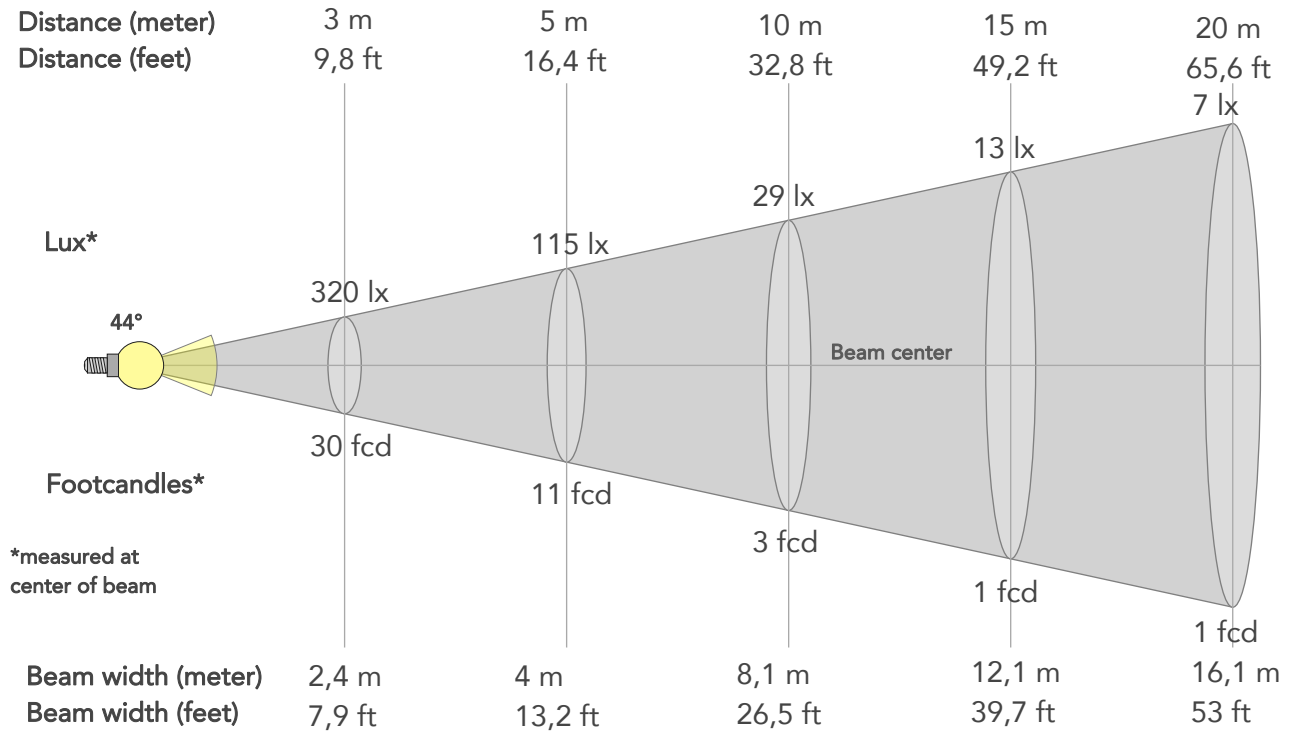
Cut off angle 2.5%: 123,8°

Spectra



BEAM DETAILS

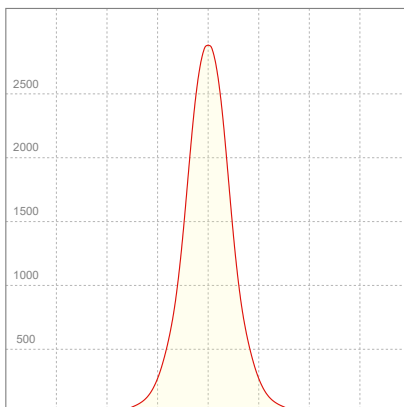
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44°	88,6°	123,8°	95,7%	86,5%



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	2881lx	720lx	320lx	180lx	115lx	51lx	29lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	268fcd	67fcd	30fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6,1m	8,1m	12,1m	16,1m	20,2m	24,2m	32,3m	40,4m
Beam wid.	2,7ft	5,3ft	7,9ft	10,6ft	13,2ft	19,9ft	26,5ft	39,7ft	53ft	66,2ft	79,4ft	105,9ft	132,4ft

LINEAR DISTRIBUTION DIAGRAM

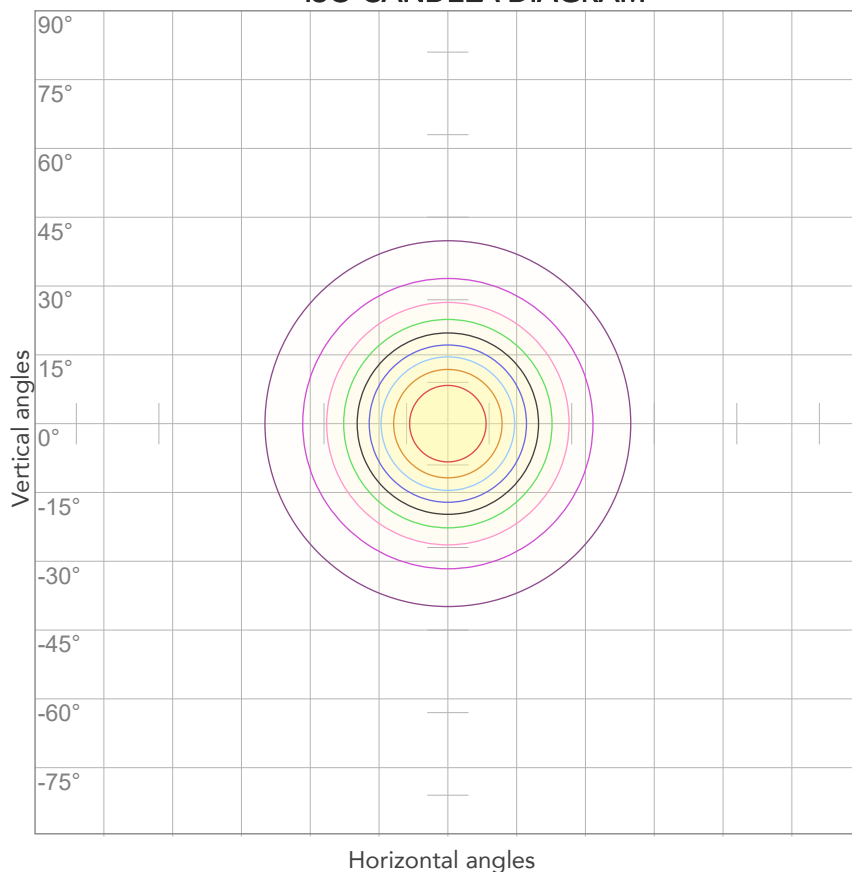


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,184A	34,1W	0,82	64lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



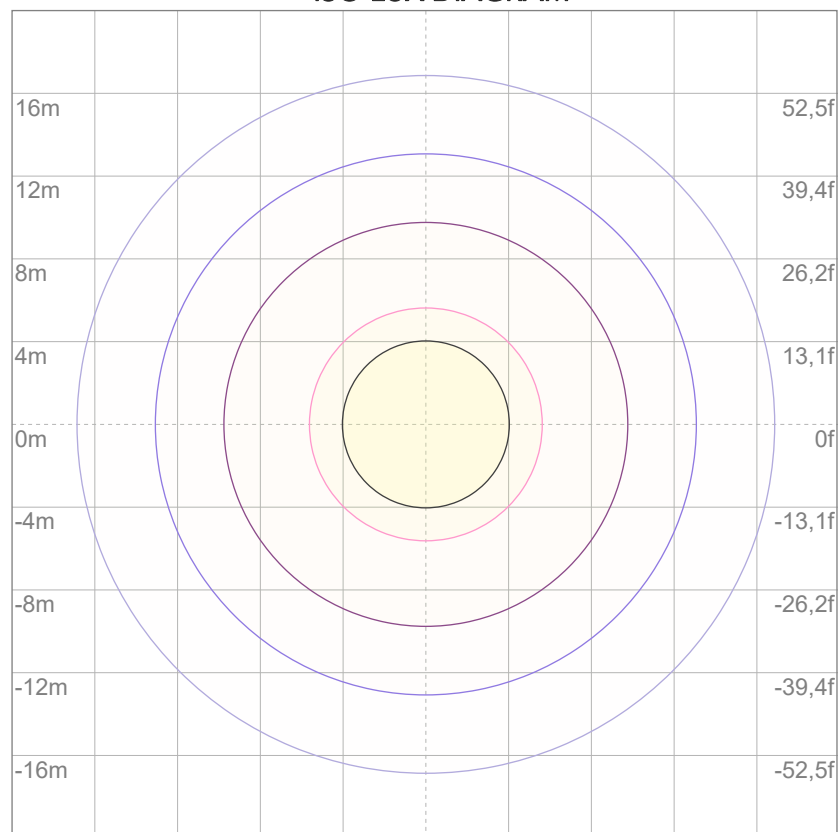
10%	288 cd
20%	576 cd
30%	864 cd
40%	1152 cd
50%	1440 cd
60%	1728 cd
70%	2016 cd
80%	2305 cd

Conditions:

Number of c-planes: 2

Candela at center: 2881 cd

ISO LUX DIAGRAM



3%	0,864 lx
5%	1,44 lx
10%	2,88 lx
30%	8,64 lx
50%	14,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 28,8 lx

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



Total lumen output:

2165 lm

Peak candela output:

1915 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

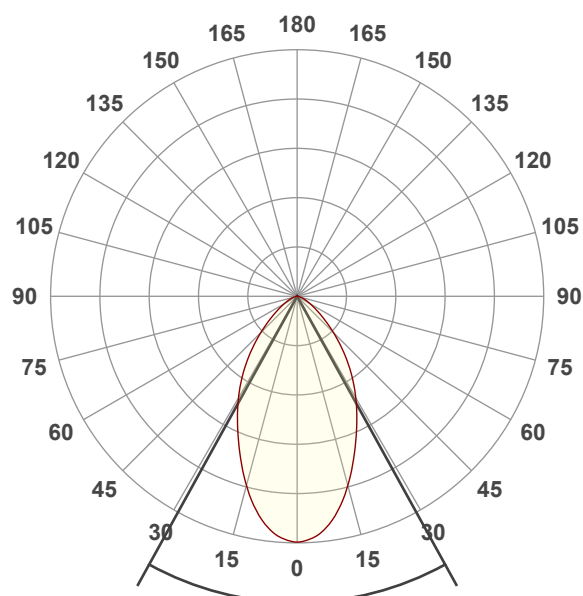
Green

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:52:17

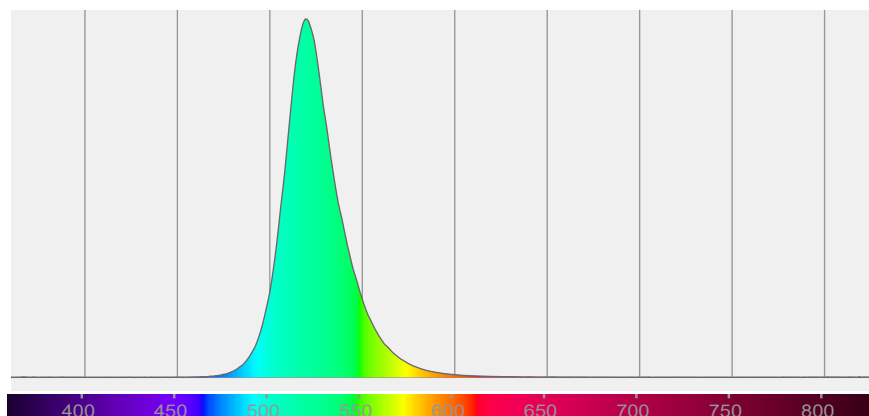


Beam angle 50%: 57,8°

Field angle 10%: 108,6°

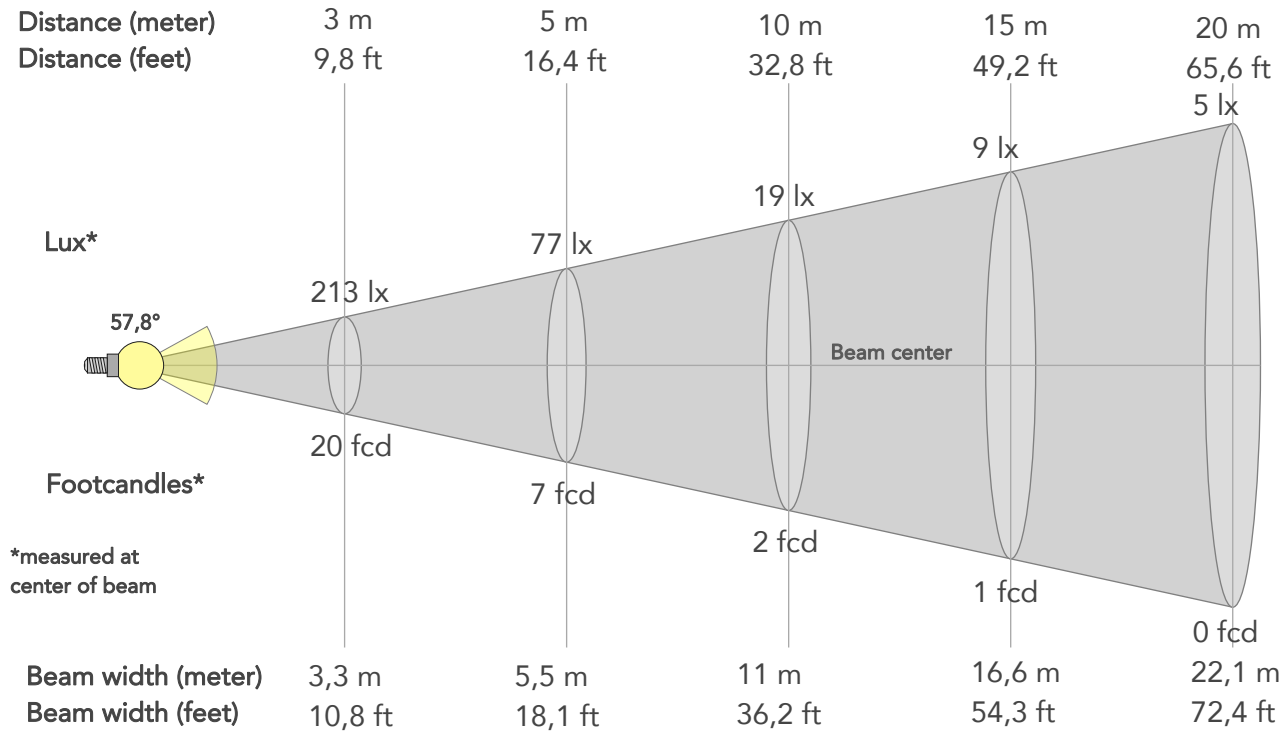
Cut off angle 2.5%: 140,5°

Spectra



BEAM DETAILS

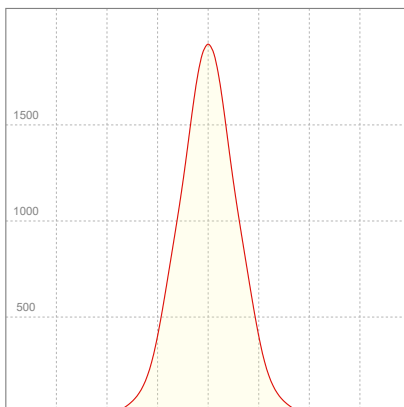
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,8°	108,6°	140,5°	94,3%	80,5%



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	1915lx	479lx	213lx	120lx	77lx	34lx	19lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	178fcd	44fcd	20fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11m	16,6m	22,1m	27,6m	33,1m	44,1m	55,2m
Beam wid.	3,6ft	7,3ft	10,8ft	14,5ft	18,1ft	27,1ft	36,2ft	54,3ft	72,4ft	90,5ft	108,6ft	144,8ft	181ft

LINEAR DISTRIBUTION DIAGRAM

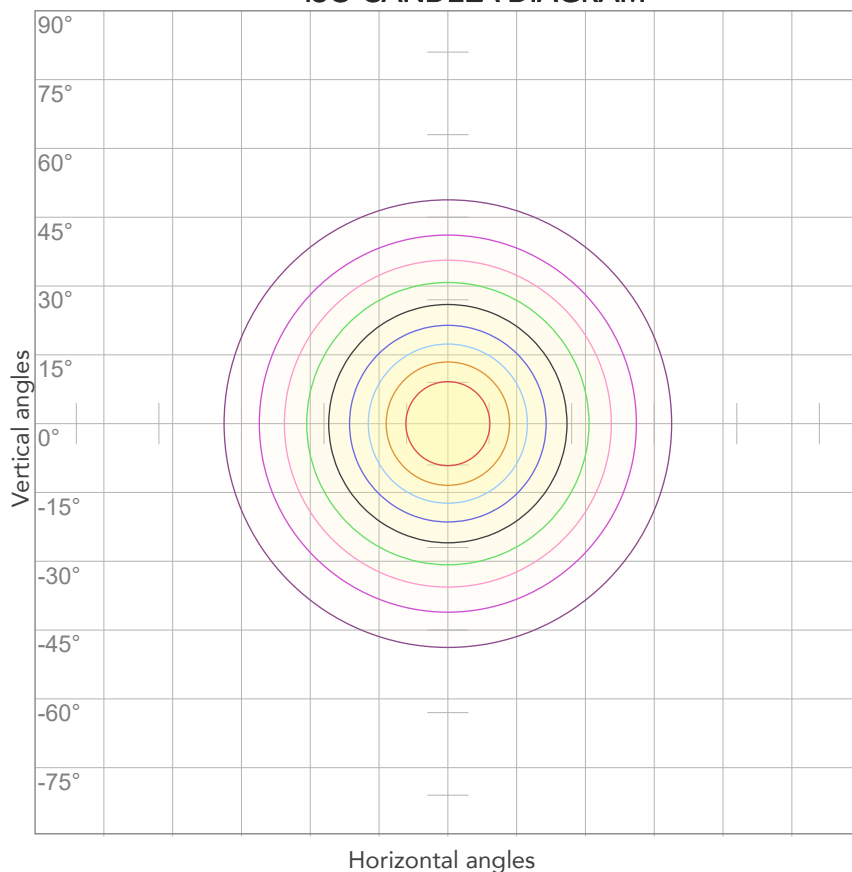


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,183A	33,8W	0,82	64lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



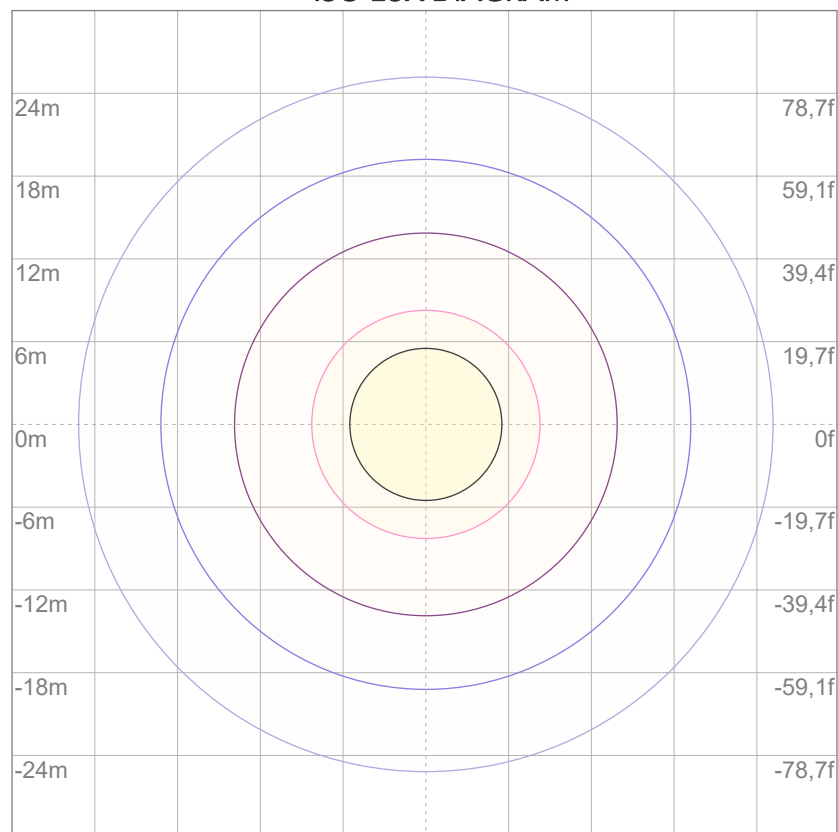
10%	191 cd
20%	383 cd
30%	574 cd
40%	766 cd
50%	957 cd
60%	1149 cd
70%	1340 cd
80%	1532 cd

Conditions:

Number of c-planes: 2

Candela at center: 1915 cd

ISO LUX DIAGRAM



3%	0,574 lx
5%	0,957 lx
10%	1,91 lx
30%	5,74 lx
50%	9,57 lx

Conditions:

Number of c-planes: 2

Lux at center: 19,1 lx

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



3182 lm

6635 cd

PRODUCT NAME:
ARCSPOTMFC

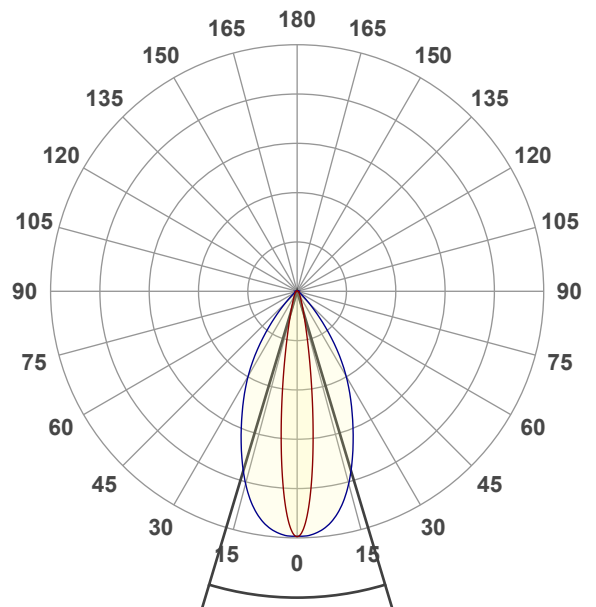
MEASUREMENT CONDITIONS:

Beam angle:
10° + 10°x60° Filter

Target:
Green

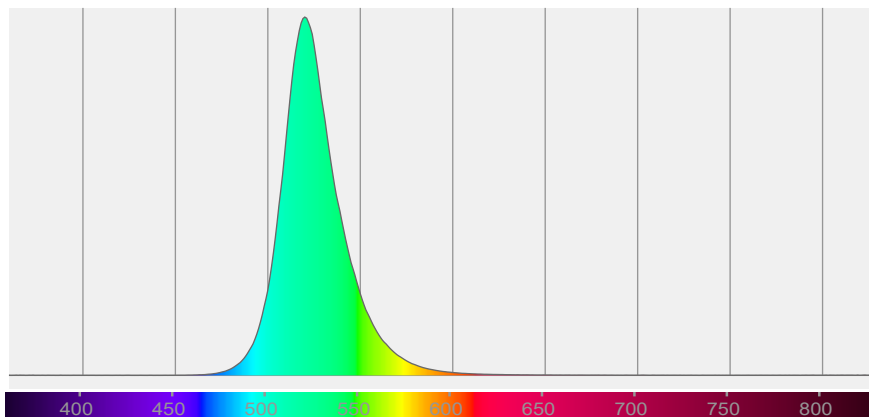
Operator:
Salvatore Giglio

Date and time:
09/02/2024 10:37:57



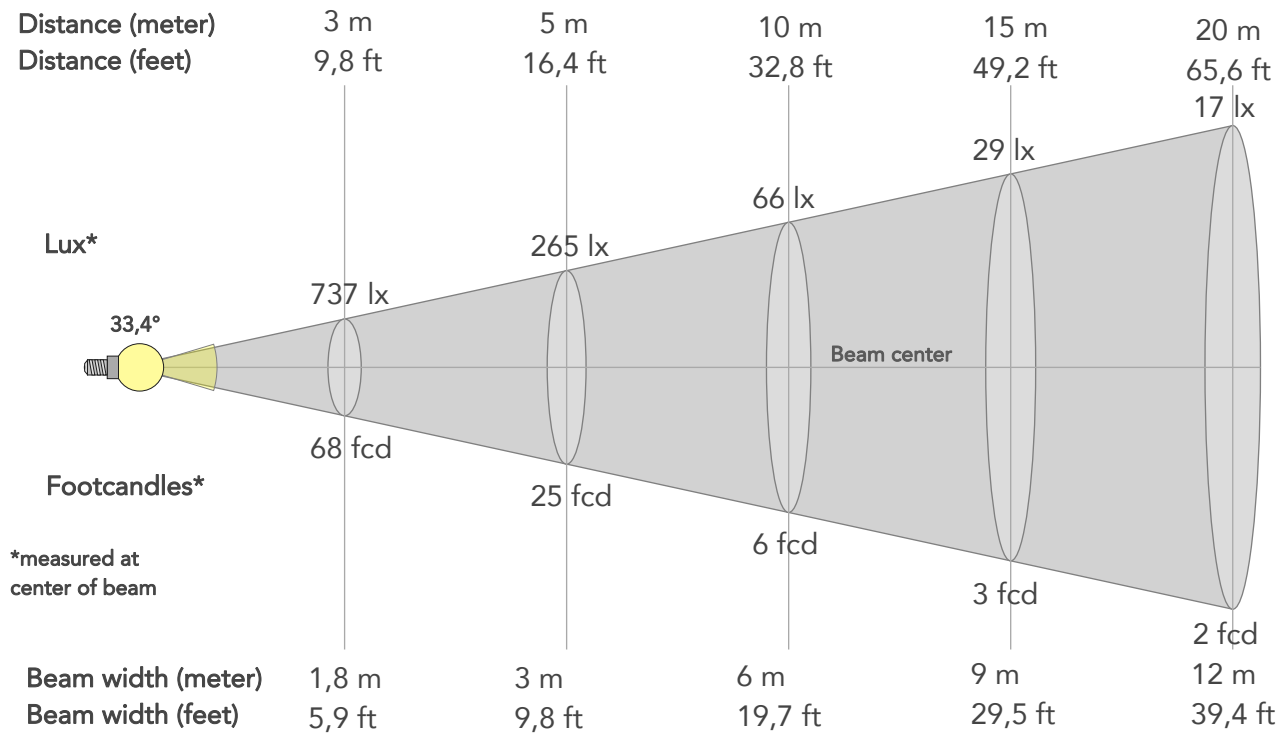
Beam angle 50%: 33,4°
Field angle 10%: 58,7°
Cut off angle 2.5%: 83°

Spectra



BEAM DETAILS

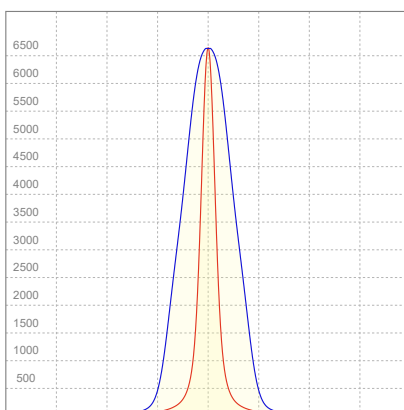
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,7°	83°	97,7%	92,5%



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	6632lx	1658lx	737lx	415lx	265lx	118lx	66lx	29lx	17lx	11lx	7lx	4lx	3lx
Footcand.	616fcd	154fcd	68fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,4ft	49,2ft	59ft	78,7ft	98,4ft

LINEAR DISTRIBUTION DIAGRAM

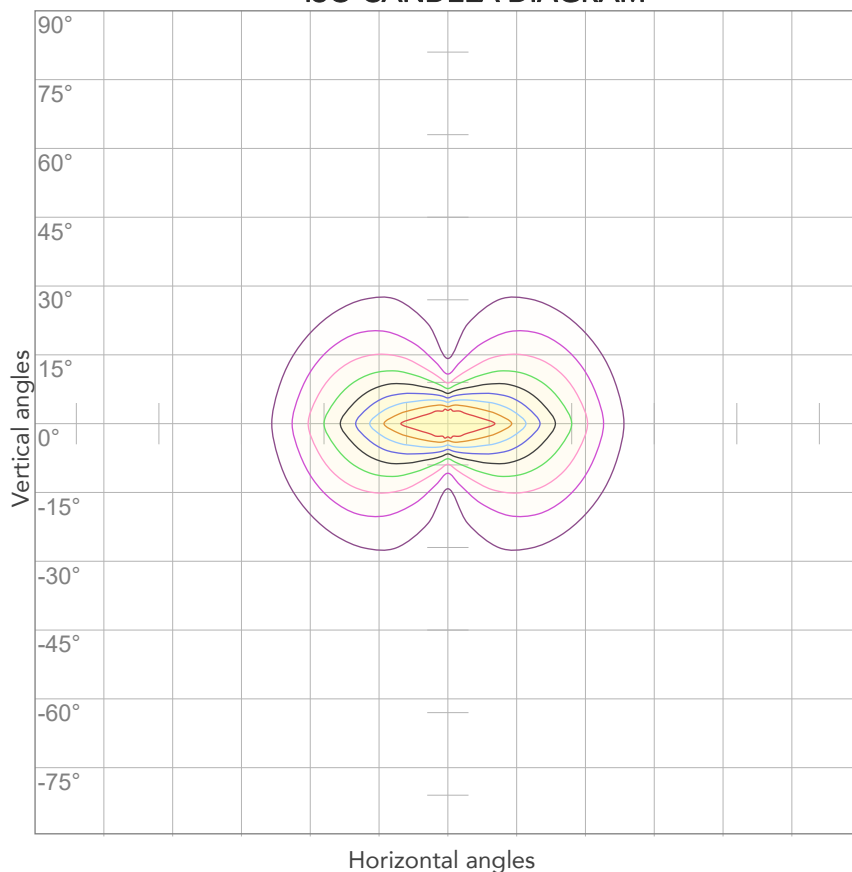


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,181A	33,4W	0,82	95lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



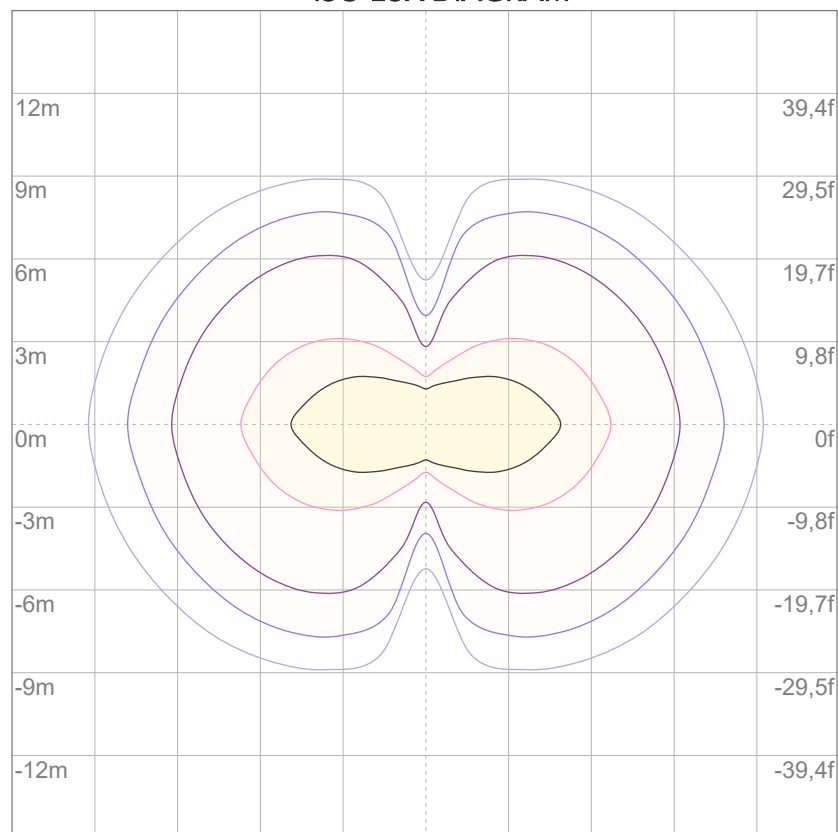
10%	663 cd
20%	1326 cd
30%	1990 cd
40%	2653 cd
50%	3316 cd
60%	3979 cd
70%	4643 cd
80%	5306 cd

Conditions:

Number of c-planes: 4

Candela at center: 6632 cd

ISO LUX DIAGRAM



3%	1,99 lx
5%	3,32 lx
10%	6,63 lx
30%	19,9 lx
50%	33,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 66,3 lx

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



Total lumen output:

2409 lm

Peak candela output:

3407 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

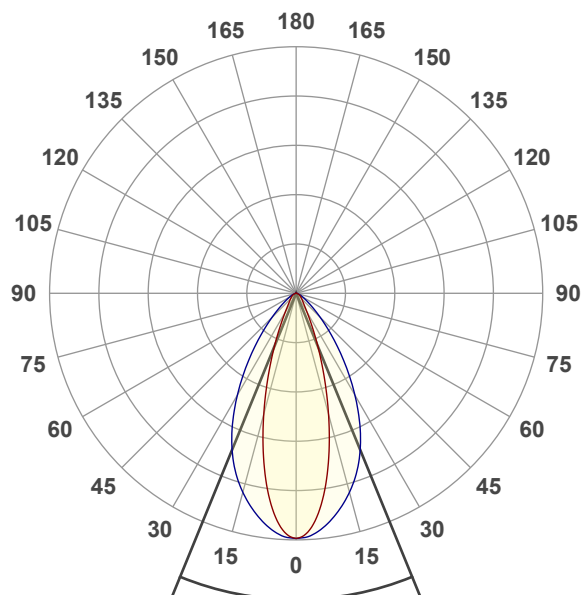
Green

Operator:

Salvatore Giglio

Date and time:

08/02/2024 18:17:36

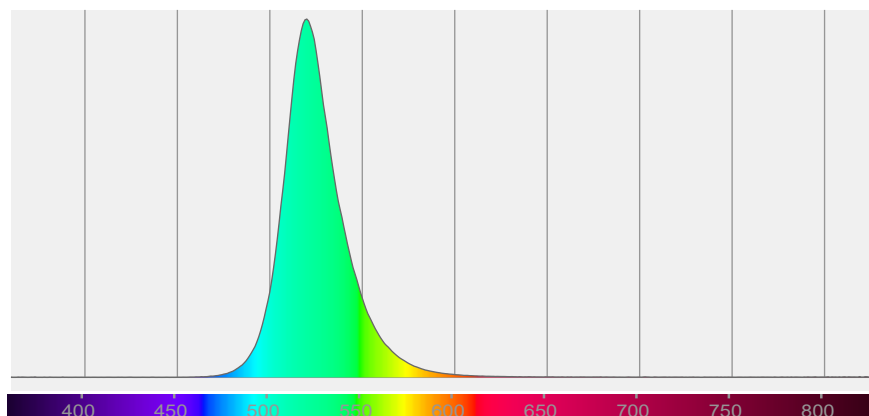


Beam angle 50%: 44,5°

Field angle 10%: 77,3°

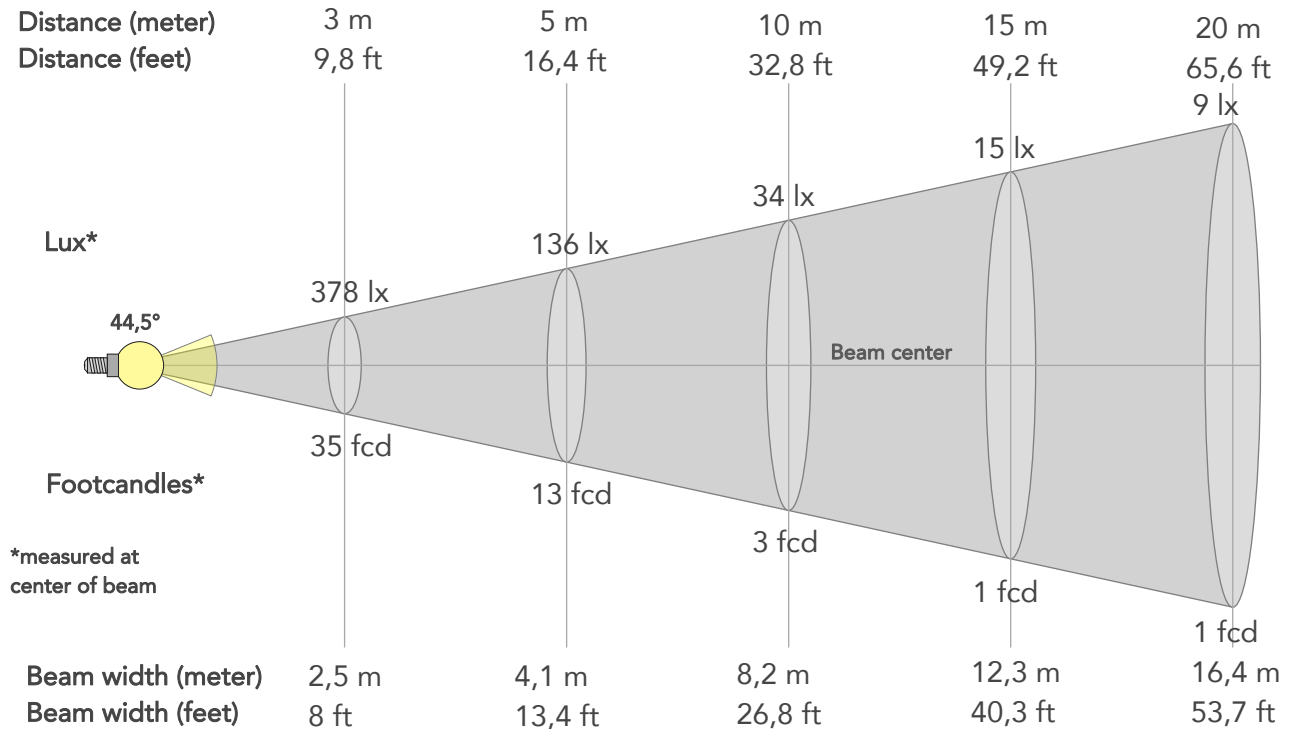
Cut off angle 2.5%: 114°

Spectra



BEAM DETAILS

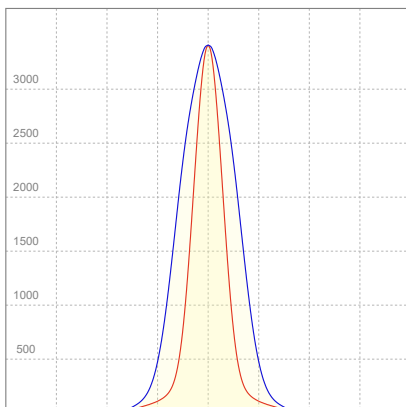
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,5°	77,3°	114°	96,2%	87,6%



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	3405lx	851lx	378lx	213lx	136lx	61lx	34lx	15lx	9lx	5lx	4lx	2lx	1lx
Footcand.	316fcd	79fcd	35fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,1m	8,2m	12,3m	16,4m	20,5m	24,6m	32,7m	40,9m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20,1ft	26,8ft	40,3ft	53,7ft	67,1ft	80,5ft	107,4ft	134,2ft

LINEAR DISTRIBUTION DIAGRAM

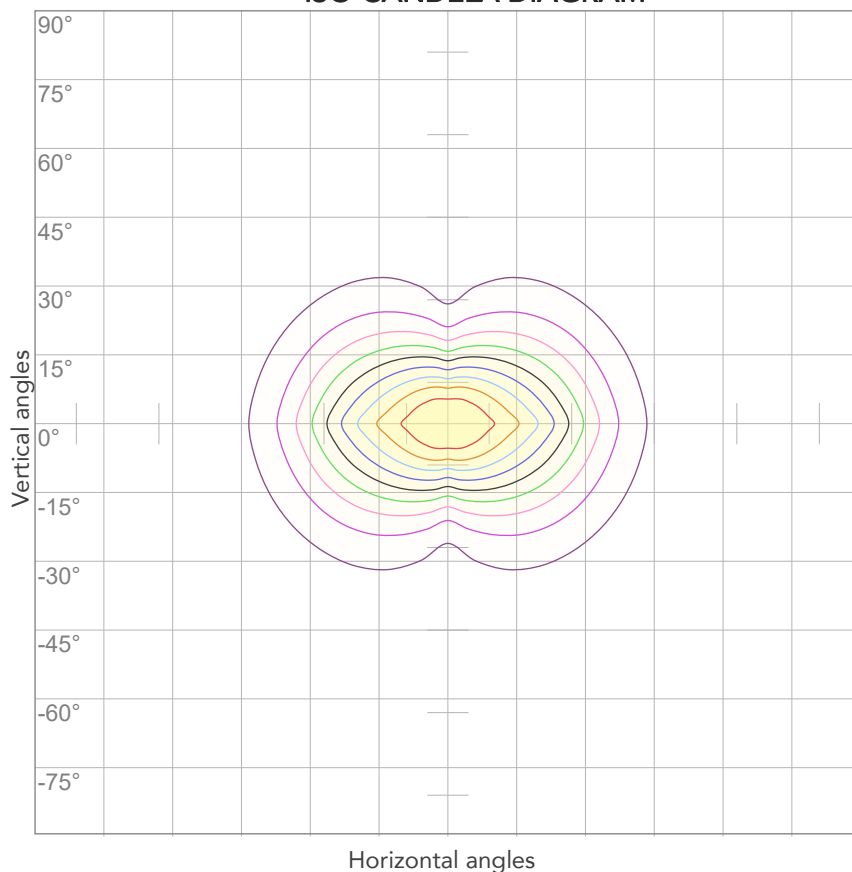


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,182A	33,8W	0,83	71lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



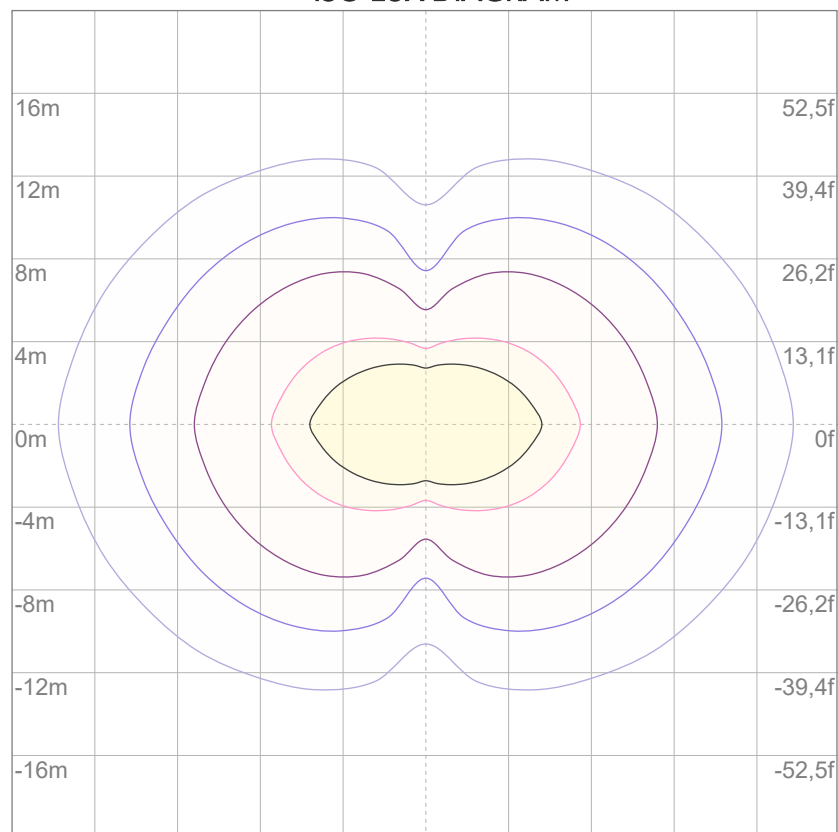
10%	341 cd
20%	681 cd
30%	1022 cd
40%	1362 cd
50%	1703 cd
60%	2043 cd
70%	2384 cd
80%	2724 cd

Conditions:

Number of c-planes: 4

Candela at center: 3405 cd

ISO LUX DIAGRAM



3%	1,02 lx
5%	1,70 lx
10%	3,41 lx
30%	10,2 lx
50%	17,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 34,1 lx

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



Total lumen output:

560 lm

Peak candela output:

9053 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

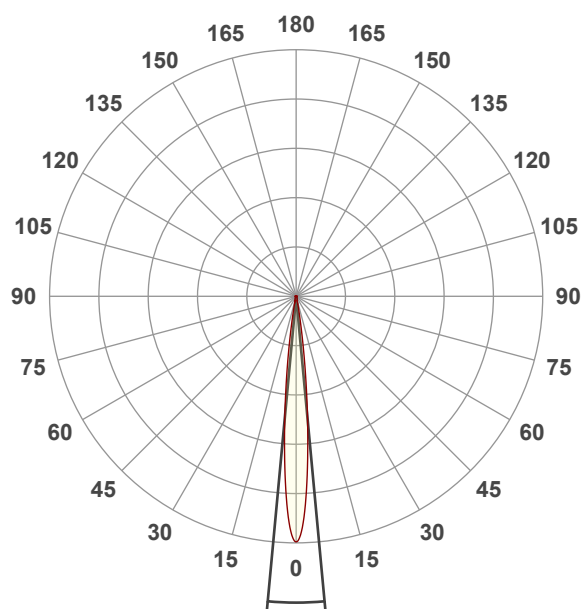
Blue

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:09:01

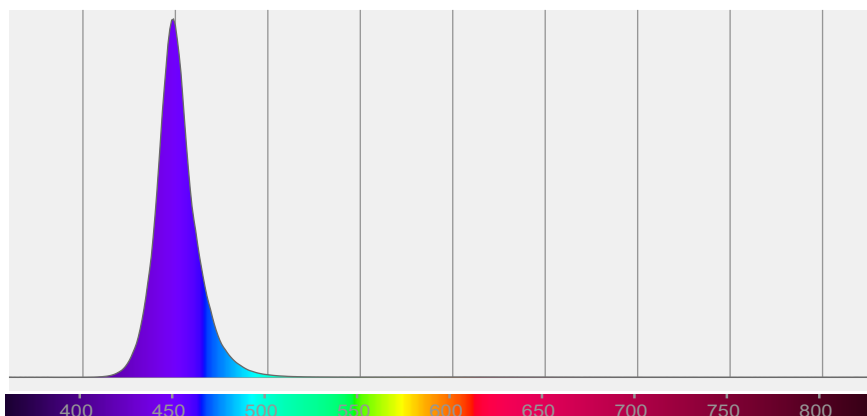


Beam angle 50%: 10,6°

Field angle 10%: 19,2°

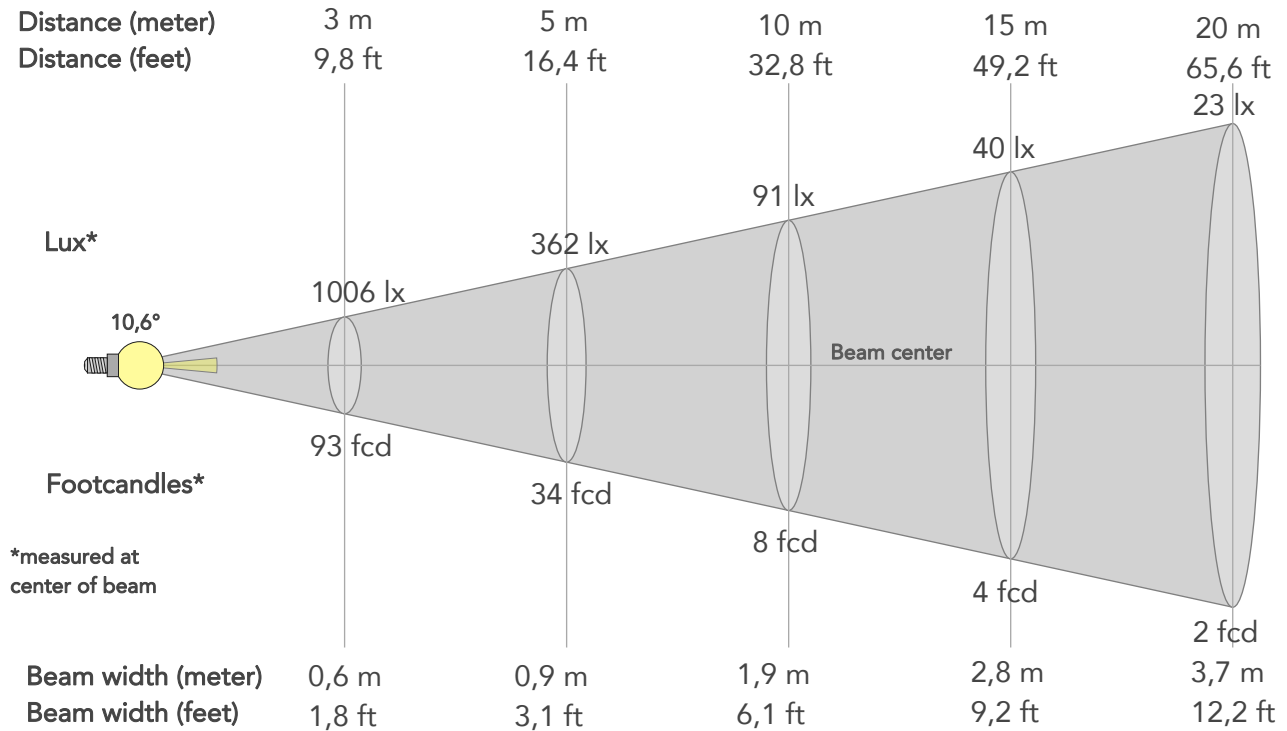
Cut off angle 2.5%: 26,1°

Spectra



BEAM DETAILS

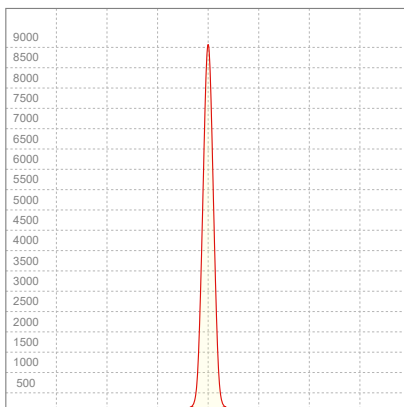
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,6°	19,2°	26,1°	88,5%	81,9%



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	9053lx	2263lx	1006lx	566lx	362lx	161lx	91lx	40lx	23lx	14lx	10lx	6lx	4lx
Footcand.	841fcd	210fcd	93fcd	53fcd	34fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,9m	2,8m	3,7m	4,7m	5,6m	7,5m	9,3m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3,1ft	4,6ft	6,1ft	9,2ft	12,2ft	15,3ft	18,3ft	24,5ft	30,6ft

LINEAR DISTRIBUTION DIAGRAM

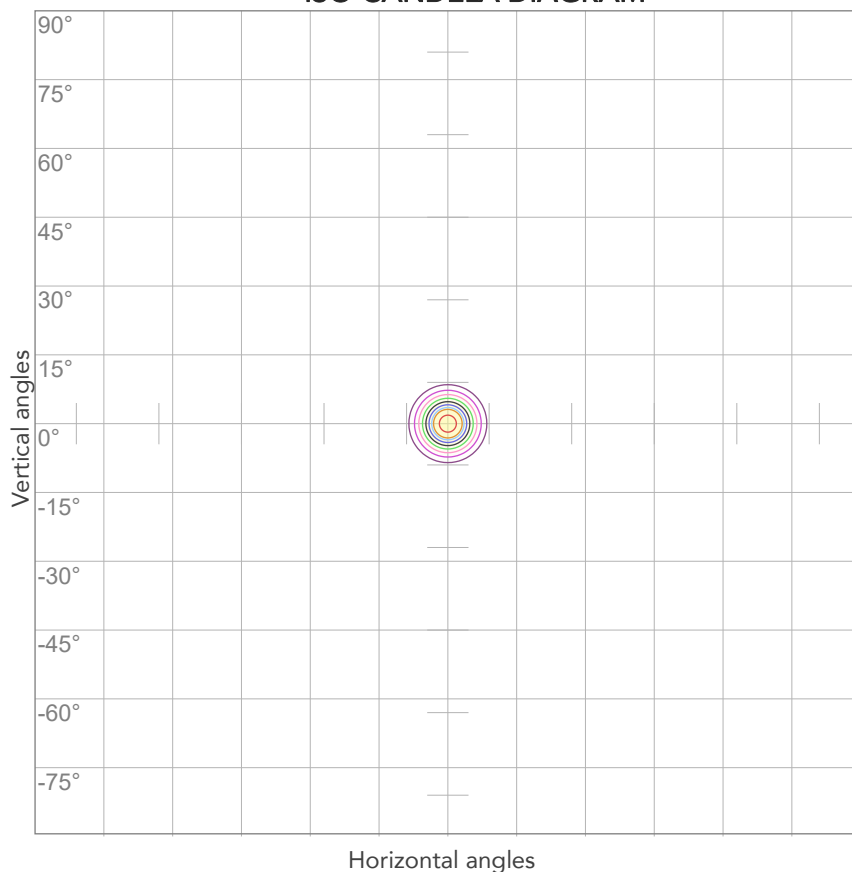


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,189A	35,6W	0,83	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



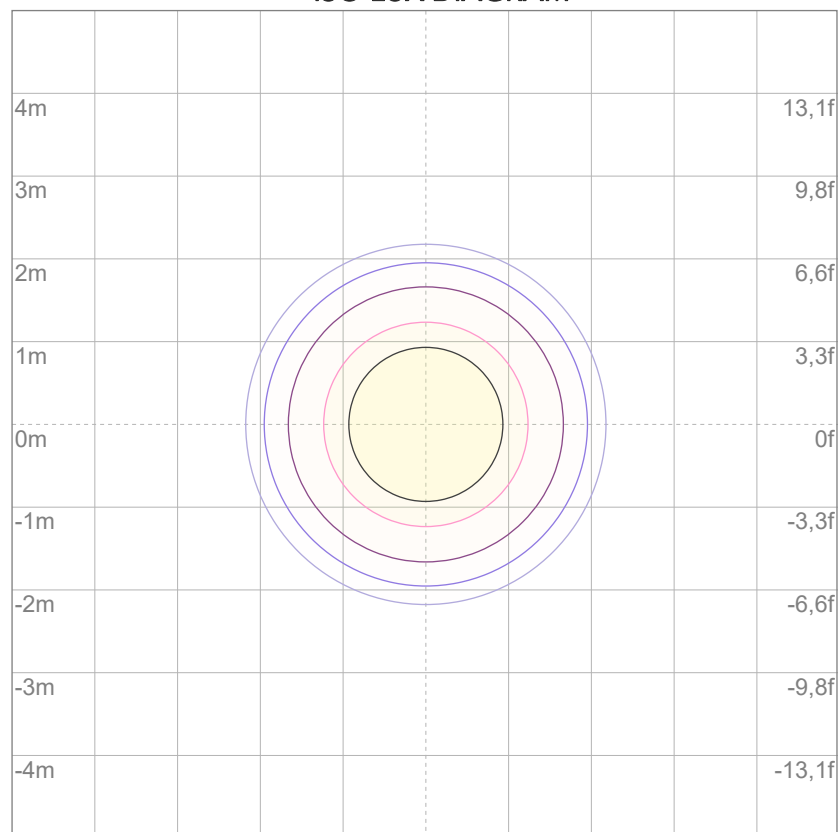
10%	905 cd
20%	1811 cd
30%	2716 cd
40%	3621 cd
50%	4527 cd
60%	5432 cd
70%	6337 cd
80%	7242 cd

Conditions:

Number of c-planes: 2

Candela at center: 9053 cd

ISO LUX DIAGRAM



3%	2,72 lx
5%	4,53 lx
10%	9,05 lx
30%	27,2 lx
50%	45,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 90,5 lx

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



Total lumen output:

460 lm

Peak candela output:

1651 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

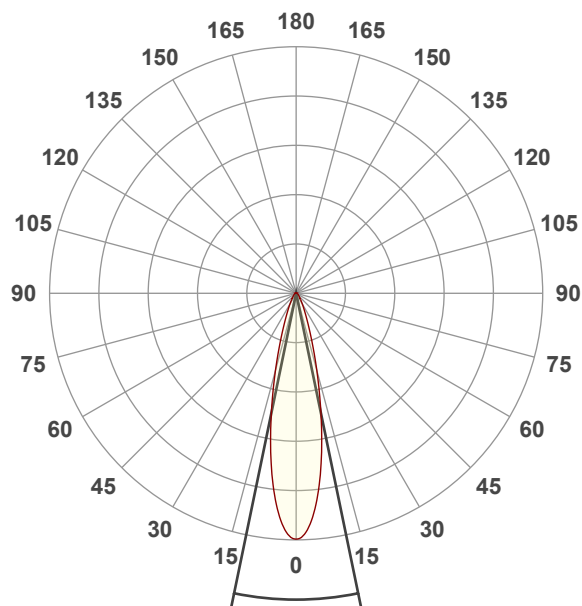
Blue

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:46:47

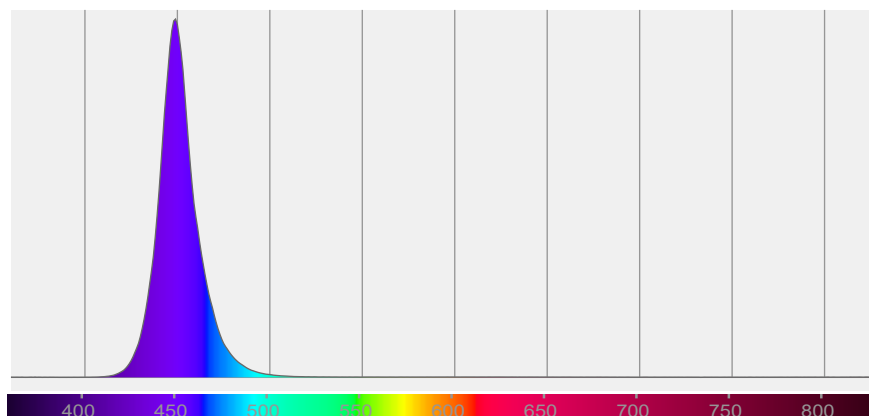


Beam angle 50%: 23,4°

Field angle 10%: 47,1°

Cut off angle 2.5%: 77,8°

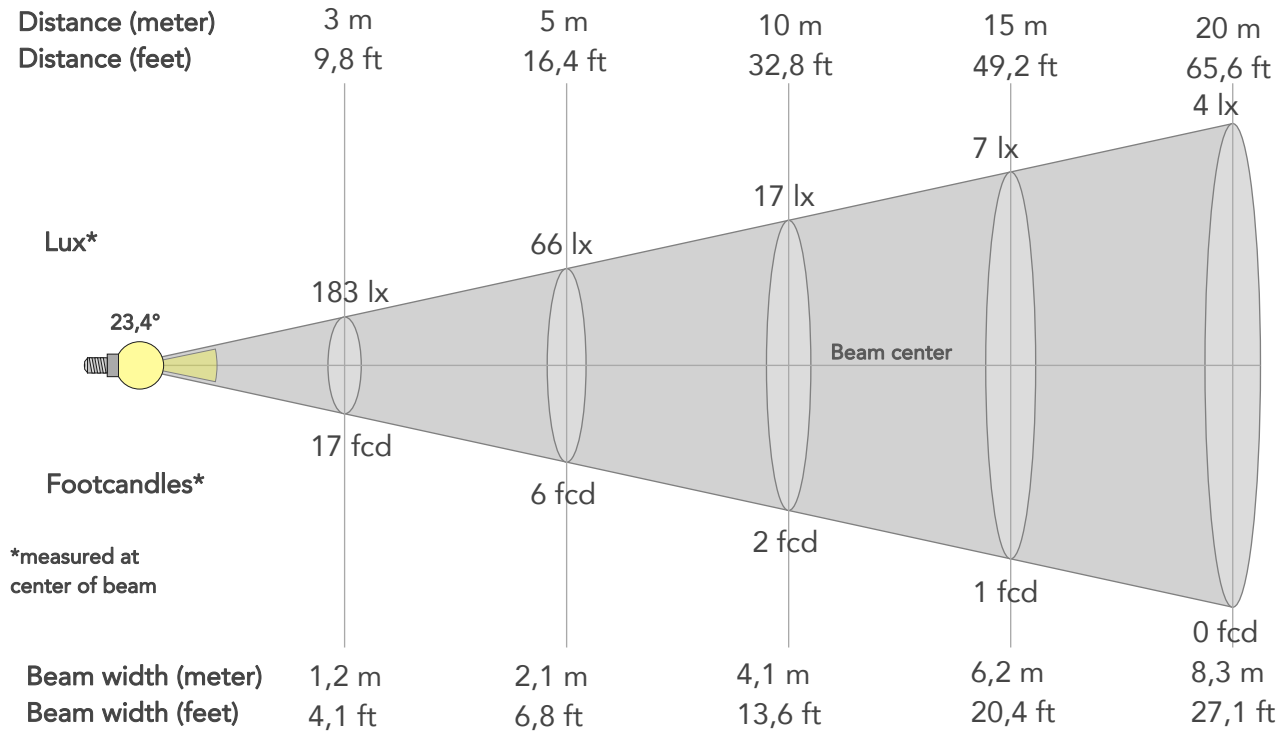
Spectra



BEAM DETAILS



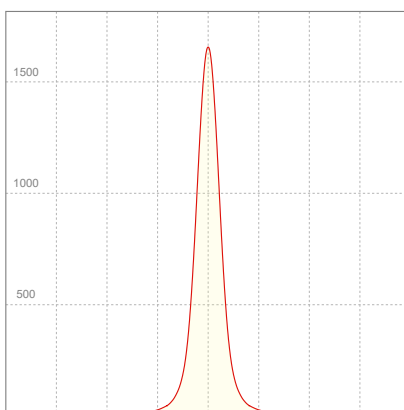
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,1°	77,8°	90,1%	84,2%



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	1651lx	413lx	183lx	103lx	66lx	29lx	17lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	153fcd	38fcd	17fcd	10fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	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	16,5m	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	67,8ft

LINEAR DISTRIBUTION DIAGRAM

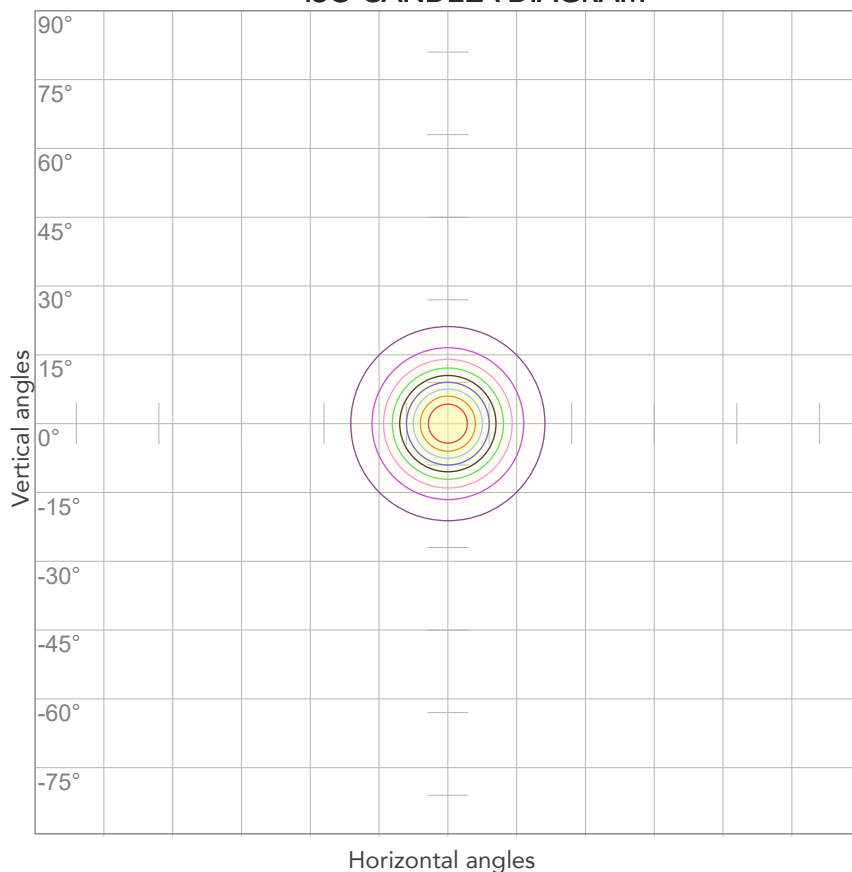


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,190A	35,7W	0,84	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



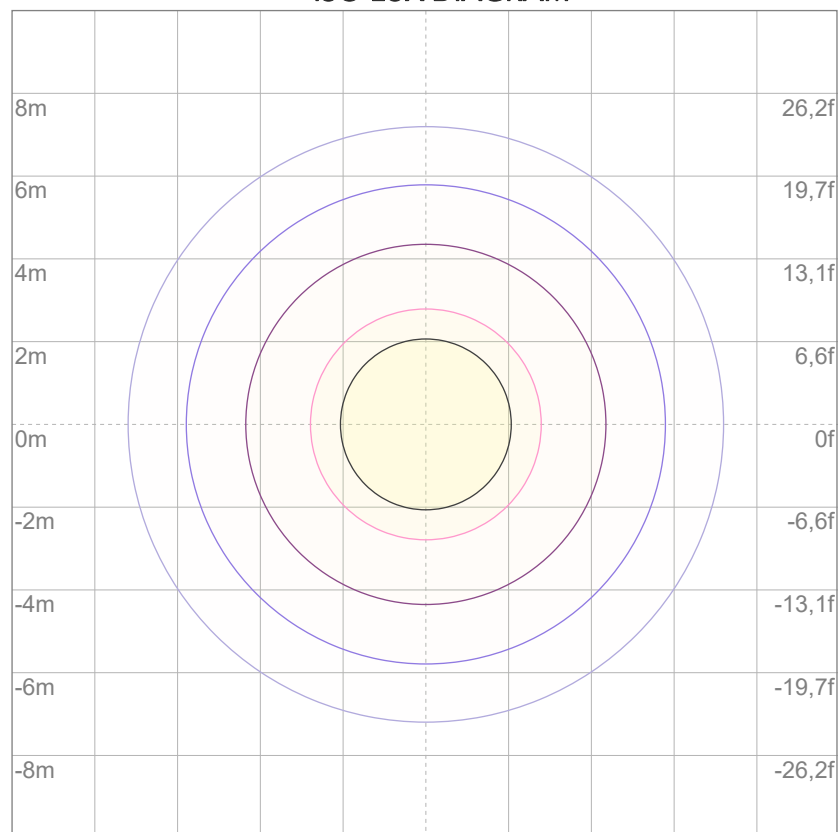
10%	165 cd
20%	330 cd
30%	495 cd
40%	660 cd
50%	825 cd
60%	991 cd
70%	1156 cd
80%	1321 cd

Conditions:

Number of c-planes: 2

Candela at center: 1651 cd

ISO LUX DIAGRAM



3%	0,495 lx
5%	0,825 lx
10%	1,65 lx
30%	4,95 lx
50%	8,25 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,5 lx

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



Total lumen output:

415 lm

Peak candela output:

526 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

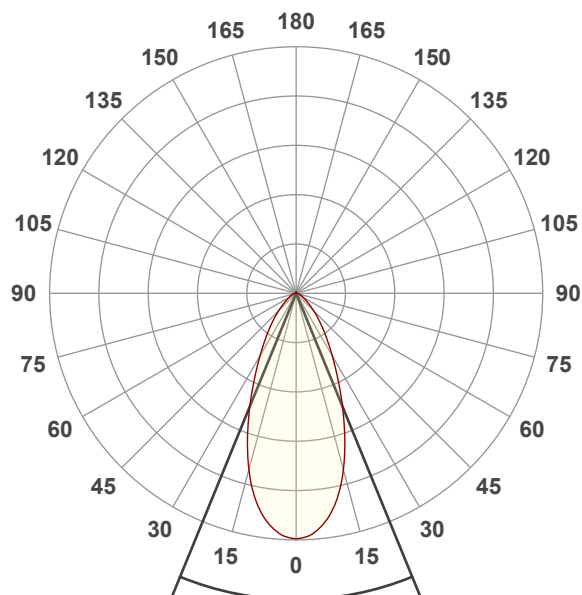
Blue

Operator:

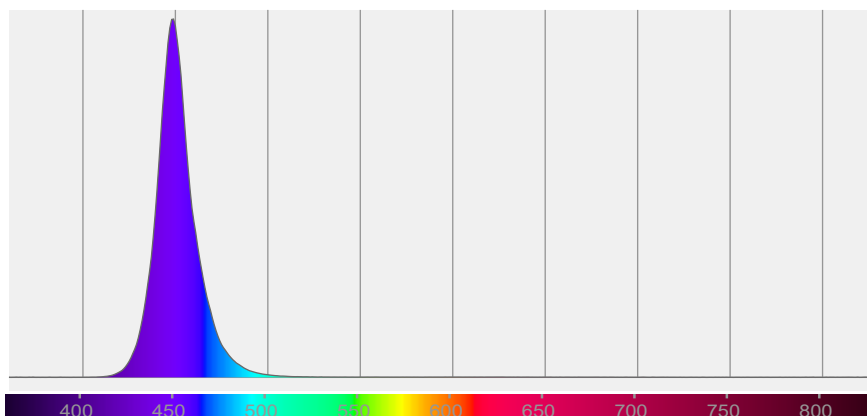
Salvatore Giglio

Date and time:

09/02/2024 09:16:43



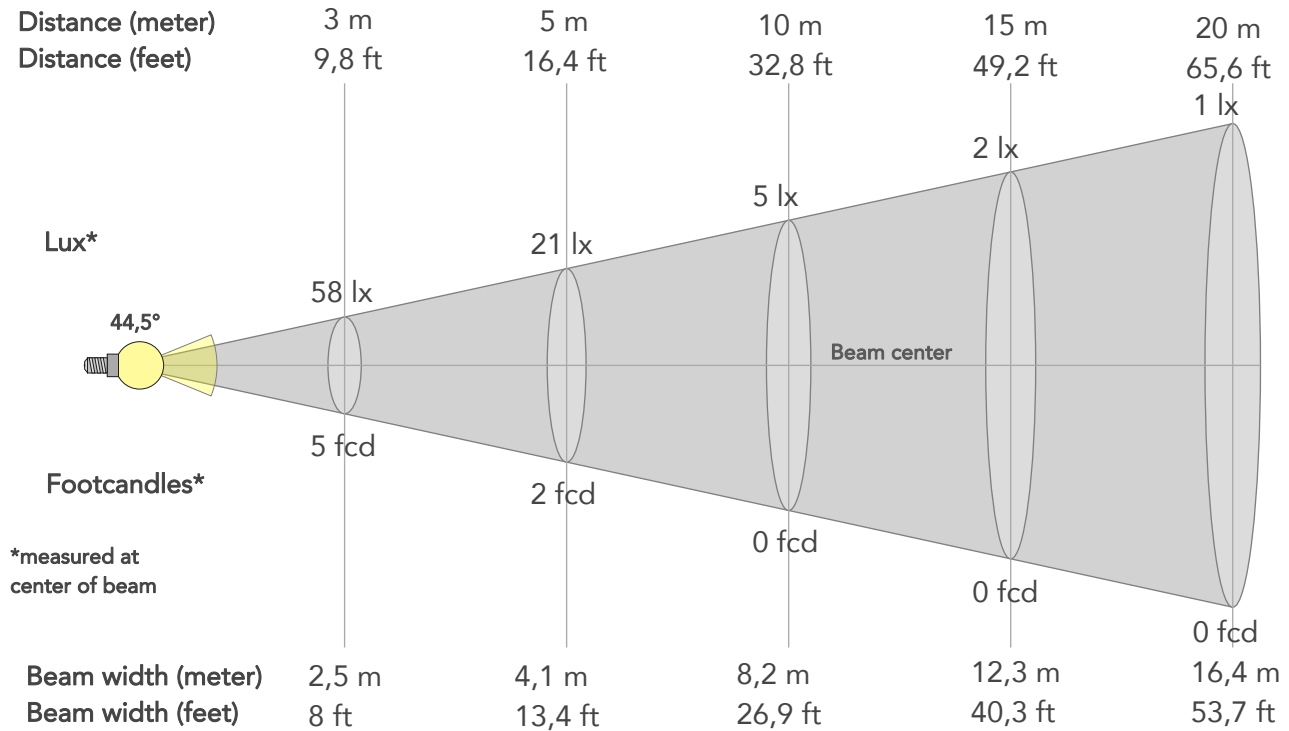
Spectra



BEAM DETAILS



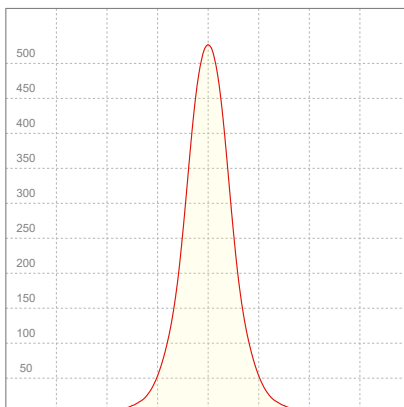
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,5°	90,4°	128,5°	93,9%	84,3%



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	526lx	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	6,1m	8,2m	12,3m	16,4m	20,5m	24,6m	32,8m	40,9m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20,1ft	26,9ft	40,3ft	53,7ft	67,1ft	80,6ft	107,4ft	134,3ft

LINEAR DISTRIBUTION DIAGRAM

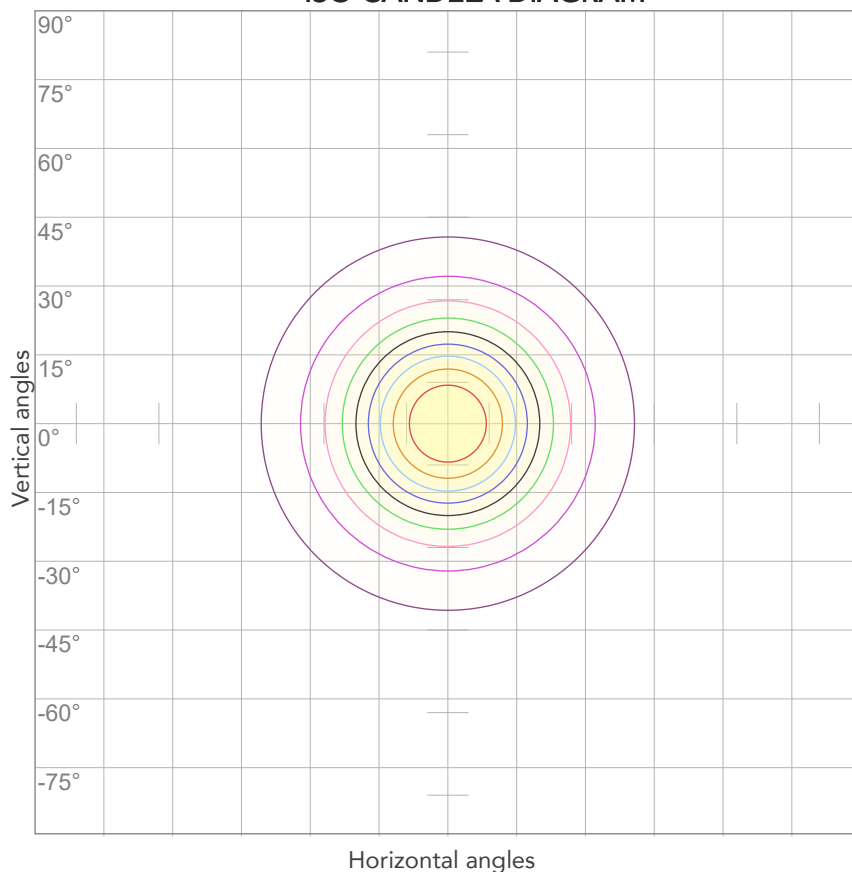


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,191A	35,6W	0,83	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



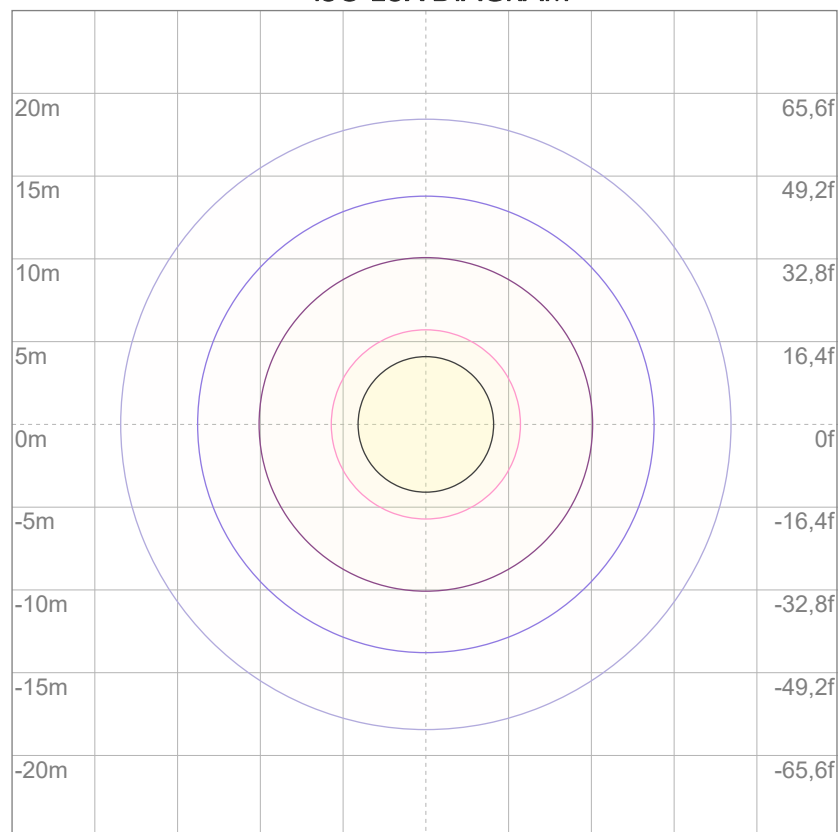
10%	53 cd
20%	105 cd
30%	158 cd
40%	210 cd
50%	263 cd
60%	316 cd
70%	368 cd
80%	421 cd

Conditions:

Number of c-planes: 2

Candela at center: 526 cd

ISO LUX DIAGRAM



3%	0,158 lx
5%	0,263 lx
10%	0,526 lx
30%	1,58 lx
50%	2,63 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,26 lx

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



Total lumen output:

417 lm

Peak candela output:

352 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

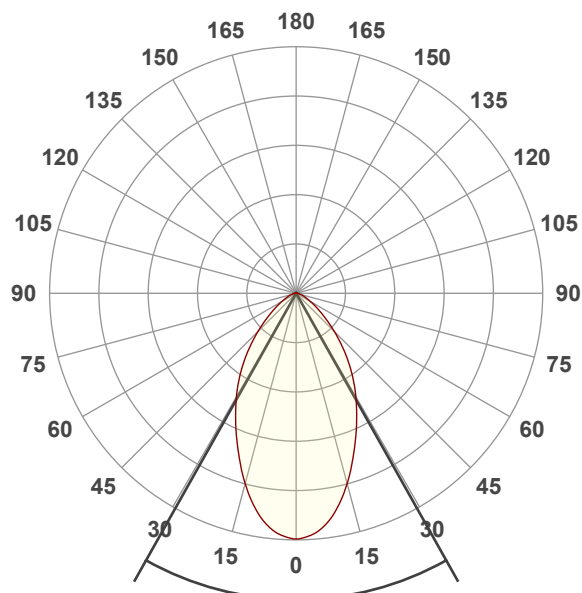
Blue

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:53:56

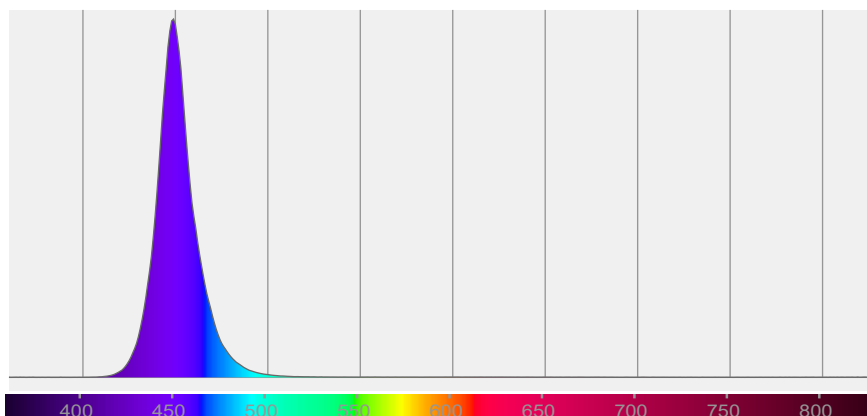


Beam angle 50%: 58,7°

Field angle 10%: 110,8°

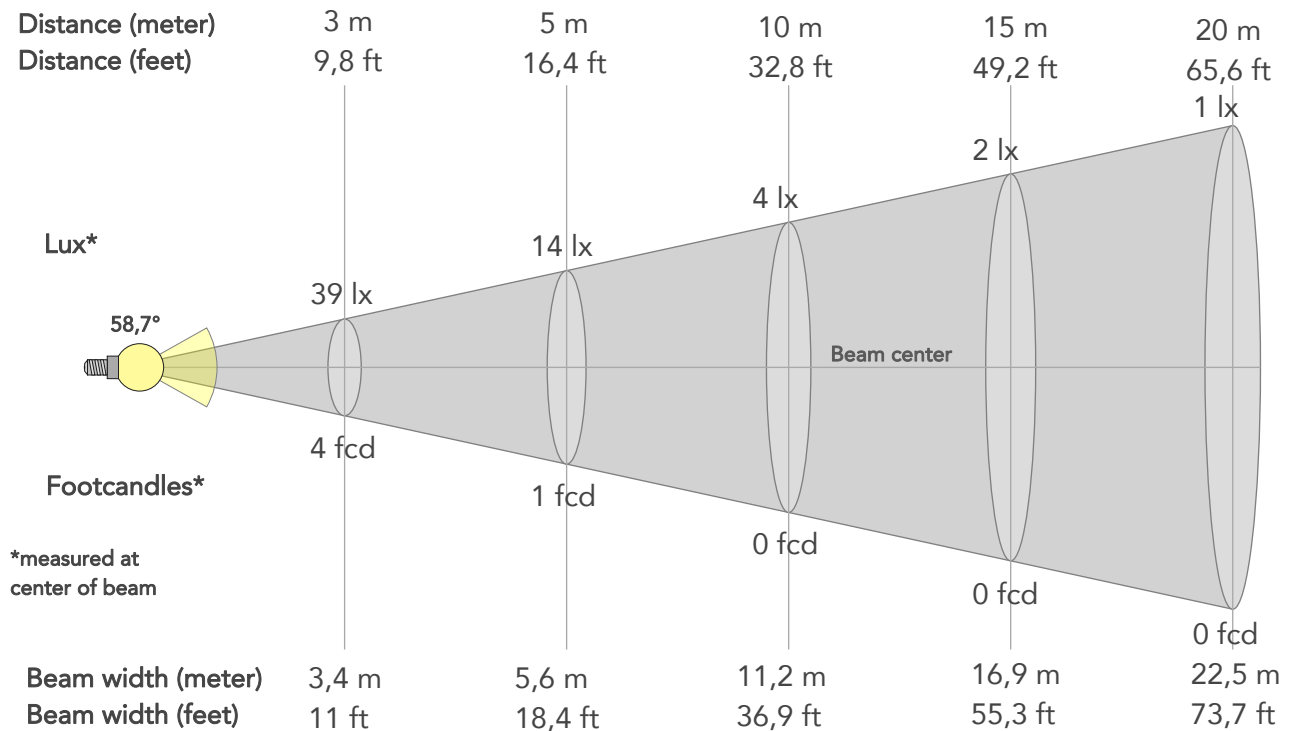
Cut off angle 2.5%: 145,3°

Spectra



BEAM DETAILS

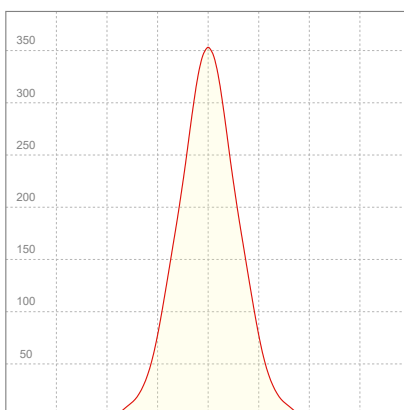
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,7°	110,8°	145,3°	92,4%	78,2%



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	352lx	88lx	39lx	22lx	14lx	6lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	33fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,4m	4,5m	5,6m	8,4m	11,2m	16,9m	22,5m	28,1m	33,7m	45m	56,2m
Beam wid.	3,7ft	7,4ft	11ft	14,7ft	18,4ft	27,7ft	36,9ft	55,3ft	73,7ft	92,2ft	110,6ft	147,5ft	184,3ft

LINEAR DISTRIBUTION DIAGRAM

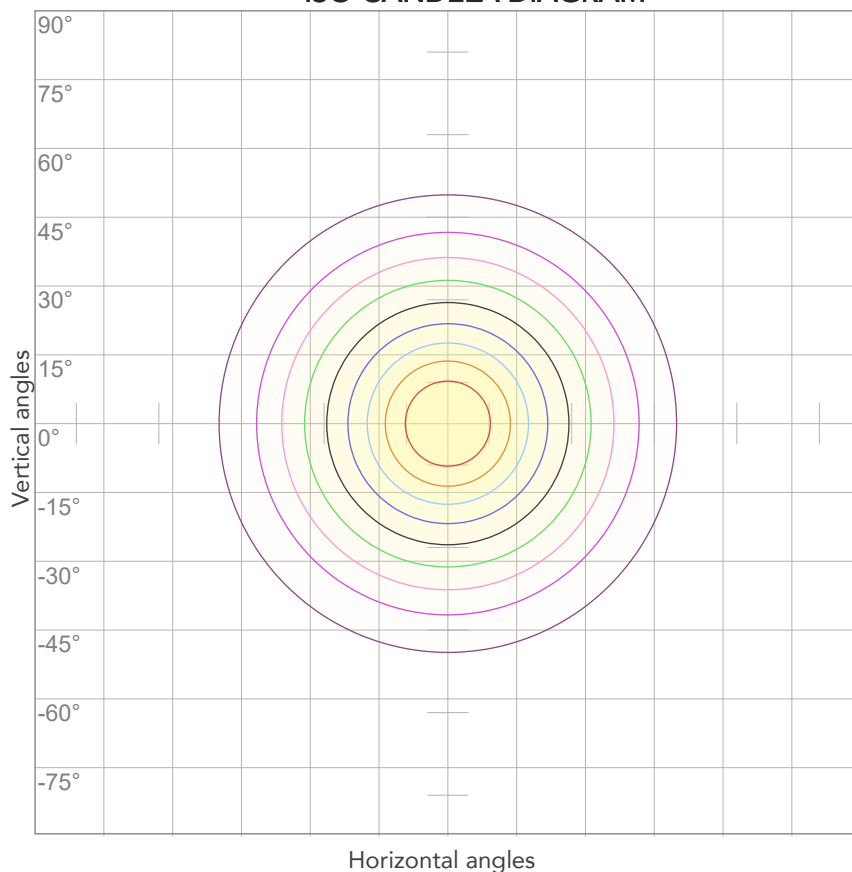


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,190A	35,5W	0,83	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



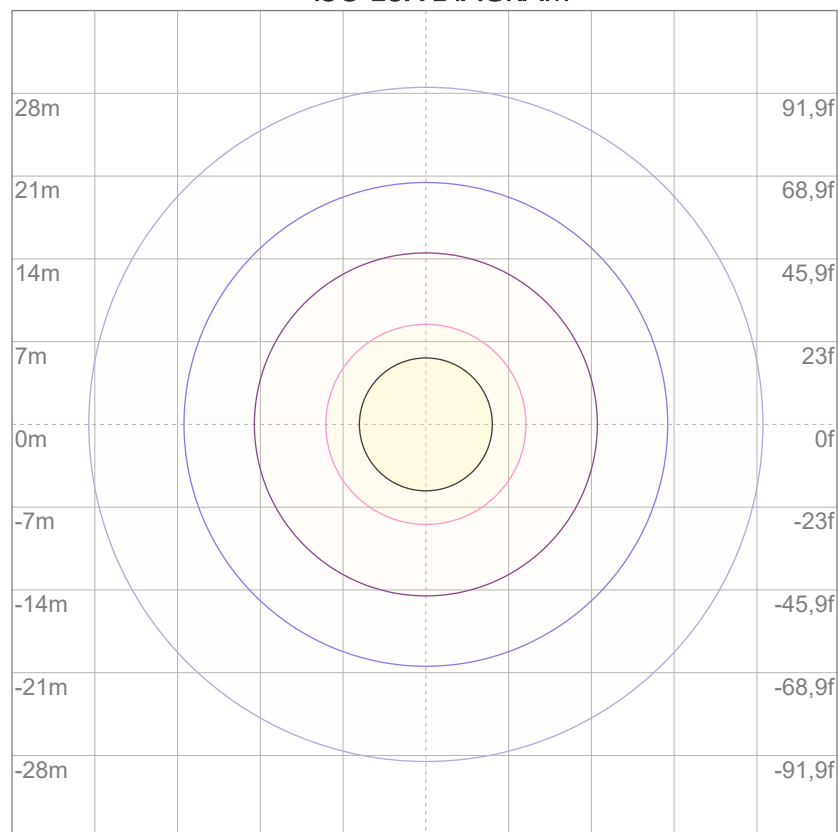
10%	35 cd
20%	70 cd
30%	106 cd
40%	141 cd
50%	176 cd
60%	211 cd
70%	247 cd
80%	282 cd

Conditions:

Number of c-planes: 2

Candela at center: 352 cd

ISO LUX DIAGRAM



3%	0,106 lx
5%	0,176 lx
10%	0,352 lx
30%	1,06 lx
50%	1,76 lx

Conditions:

Number of c-planes: 2

Lux at center: 3,52 lx

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



Total lumen output:

625 lm

Peak candela output:

1221 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60° Filter

Target:

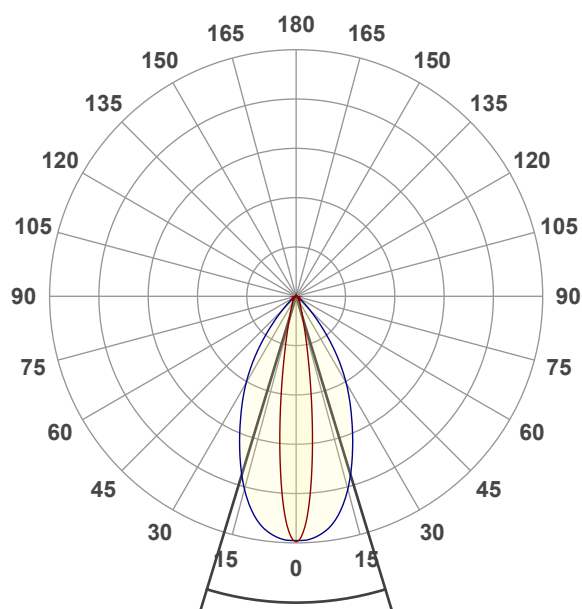
Blue

Operator:

Salvatore Giglio

Date and time:

09/02/2024 10:41:06

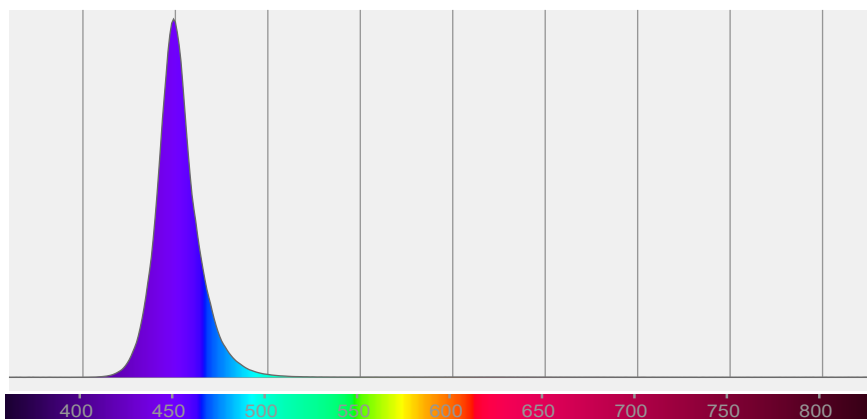


Beam angle 50%: 33,9°

Field angle 10%: 60°

Cut off angle 2.5%: 88,3°

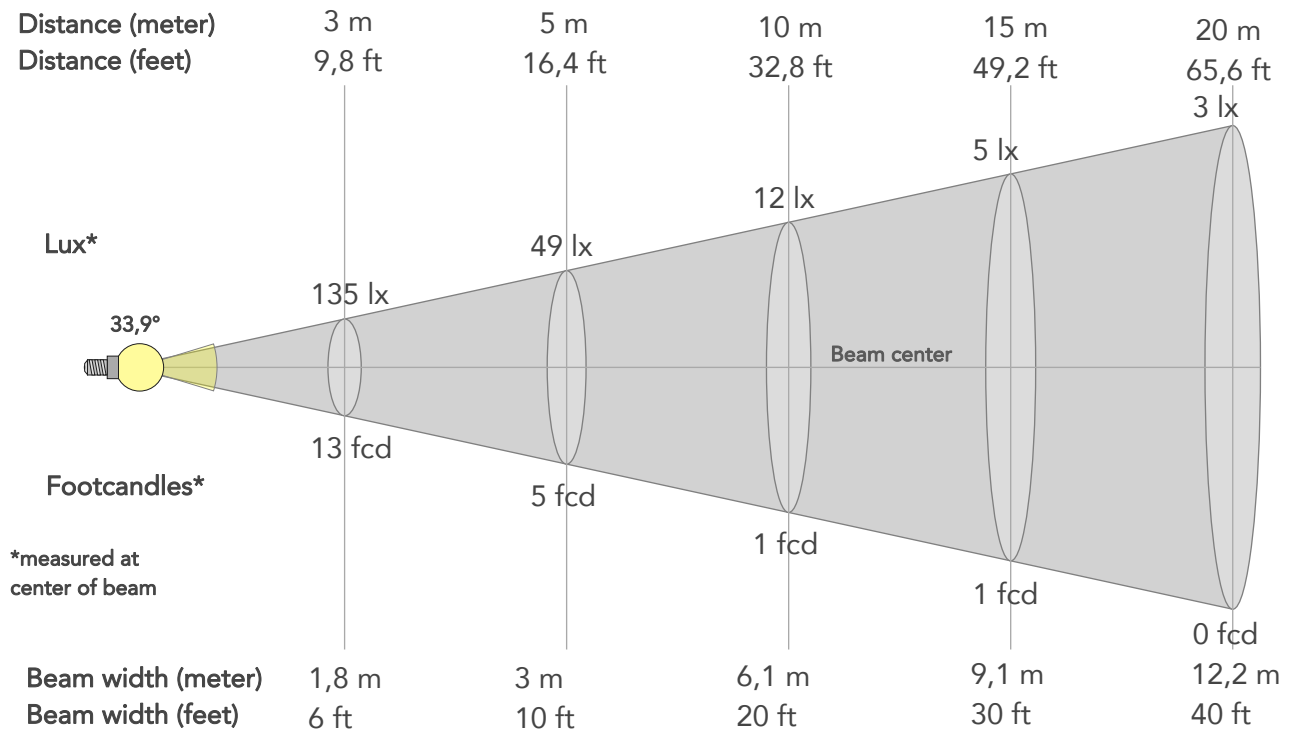
Spectra



BEAM DETAILS



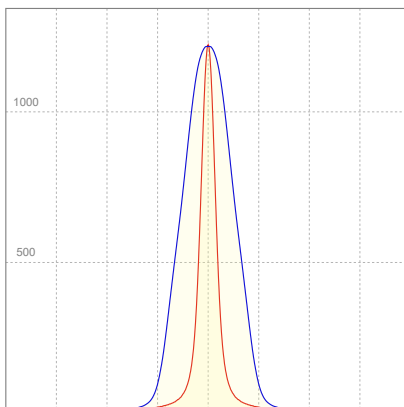
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,9°	60°	88,3°	95,1%	89,1%



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	1219lx	305lx	135lx	76lx	49lx	22lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	113fcd	28fcd	13fcd	7fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,6m	6,1m	9,1m	12,2m	15,2m	18,3m	24,4m	30,5m
Beam wid.	2ft	4ft	6ft	8ft	10ft	15ft	20ft	30ft	40ft	50ft	60ft	79,9ft	99,9ft

LINEAR DISTRIBUTION DIAGRAM

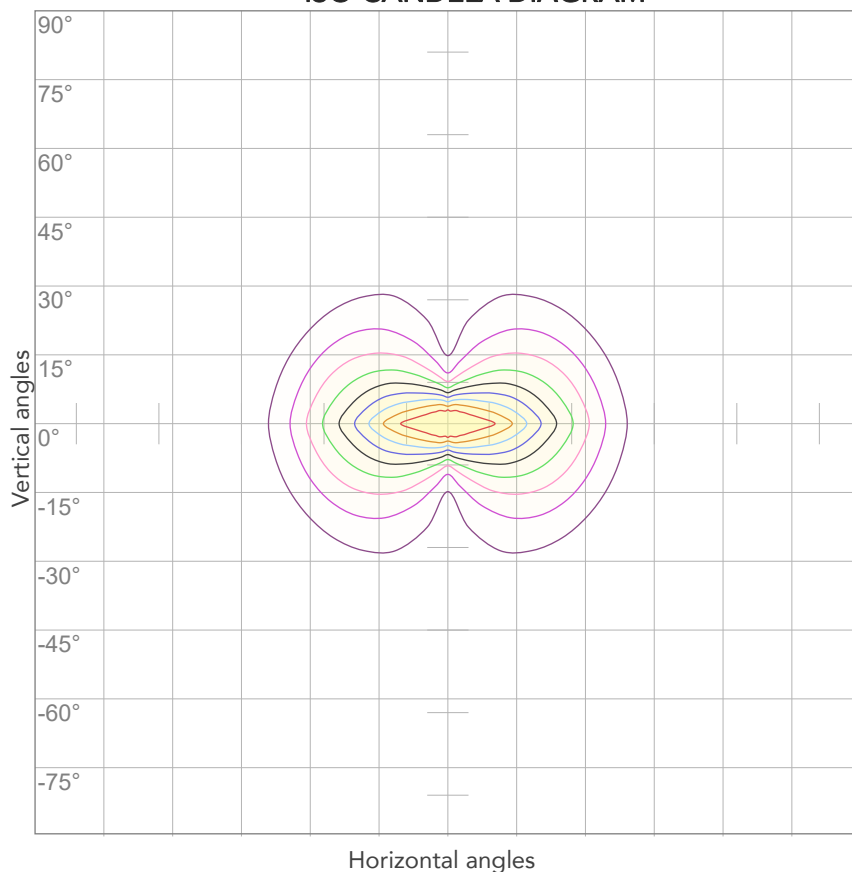


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,189A	35,5W	0,83	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



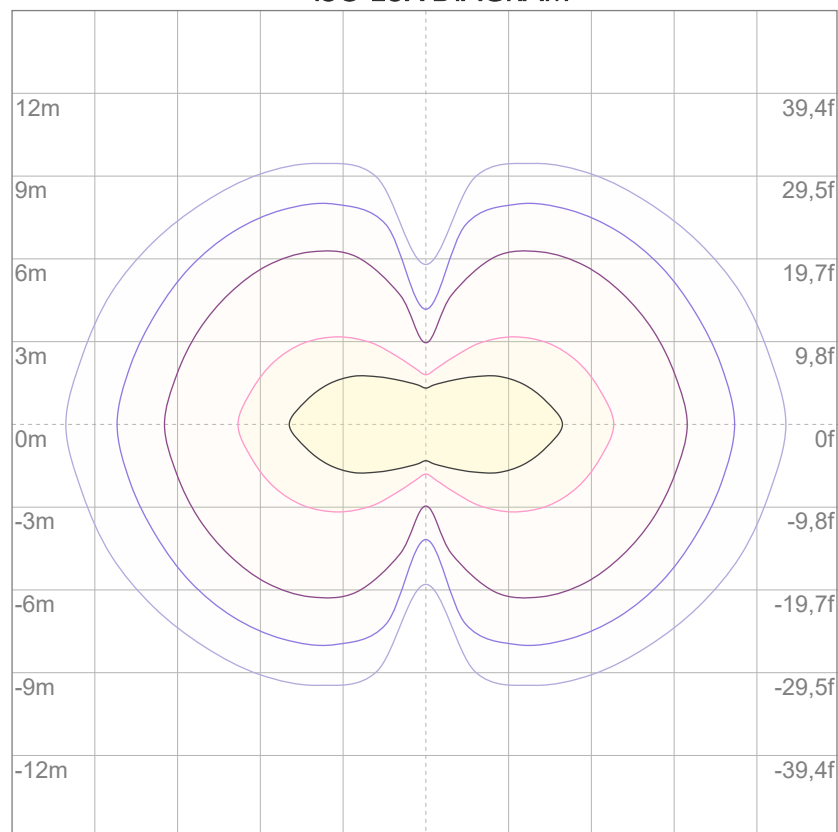
10%	122 cd
20%	244 cd
30%	366 cd
40%	488 cd
50%	609 cd
60%	731 cd
70%	853 cd
80%	975 cd

Conditions:

Number of c-planes: 4

Candela at center: 1219 cd

ISO LUX DIAGRAM



3%	0,366 lx
5%	0,609 lx
10%	1,22 lx
30%	3,66 lx
50%	6,09 lx

Conditions:

Number of c-planes: 4

Lux at center: 12,2 lx

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



Total lumen output:

469 lm

Peak candela output:

627 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

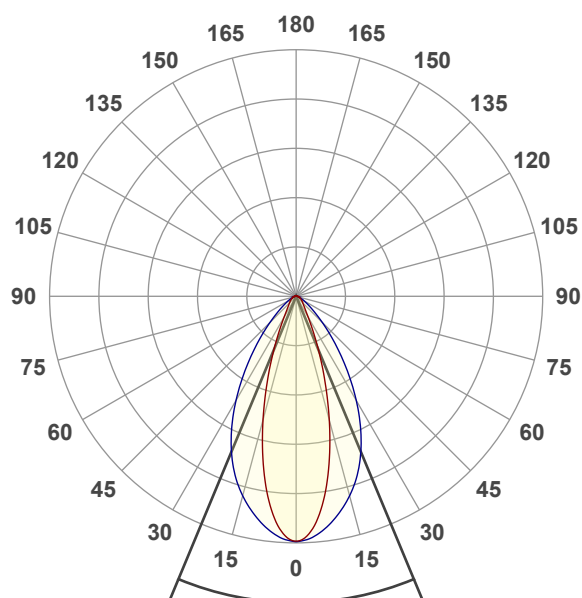
Blue

Operator:

Salvatore Giglio

Date and time:

08/02/2024 18:20:16

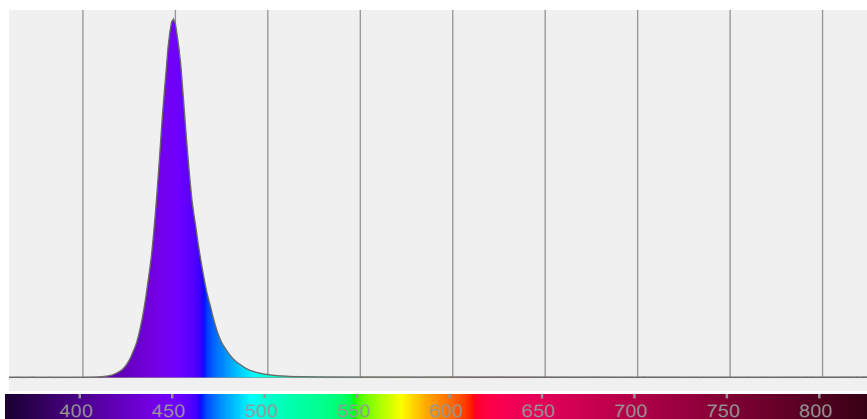


Beam angle 50%: 45,2°

Field angle 10%: 79,2°

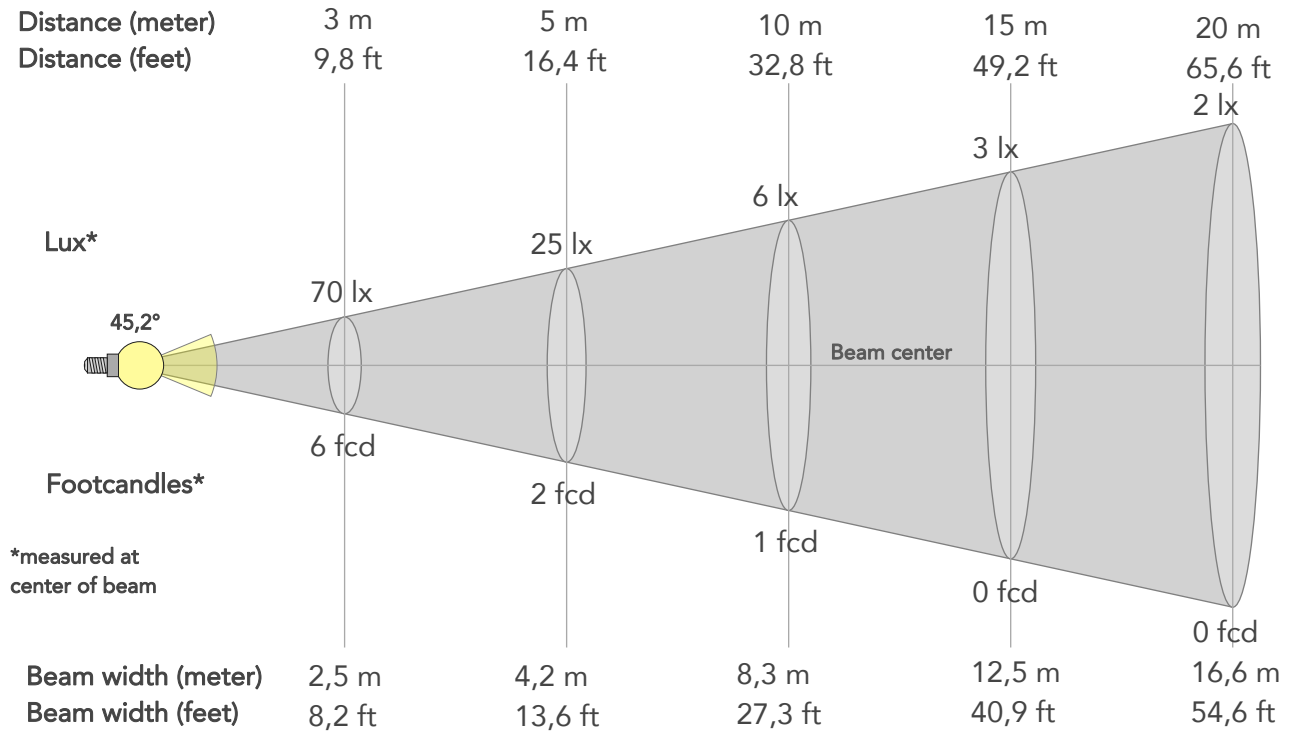
Cut off angle 2.5%: 121,7°

Spectra



BEAM DETAILS

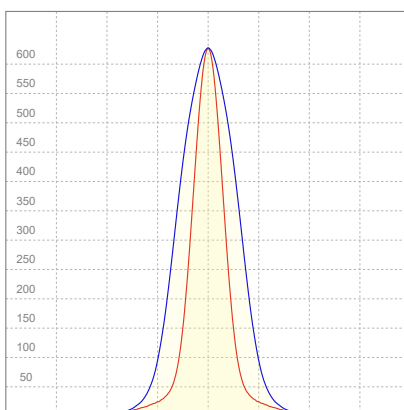
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	79,2°	121,7°	94,2%	84,9%



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	627lx	157lx	70lx	39lx	25lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	58fcd	15fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	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	25m	33,3m	41,6m
Beam wid.	2,7ft	5,5ft	8,2ft	10,9ft	13,6ft	20,5ft	27,3ft	40,9ft	54,6ft	68,2ft	81,9ft	109,2ft	136,5ft

LINEAR DISTRIBUTION DIAGRAM

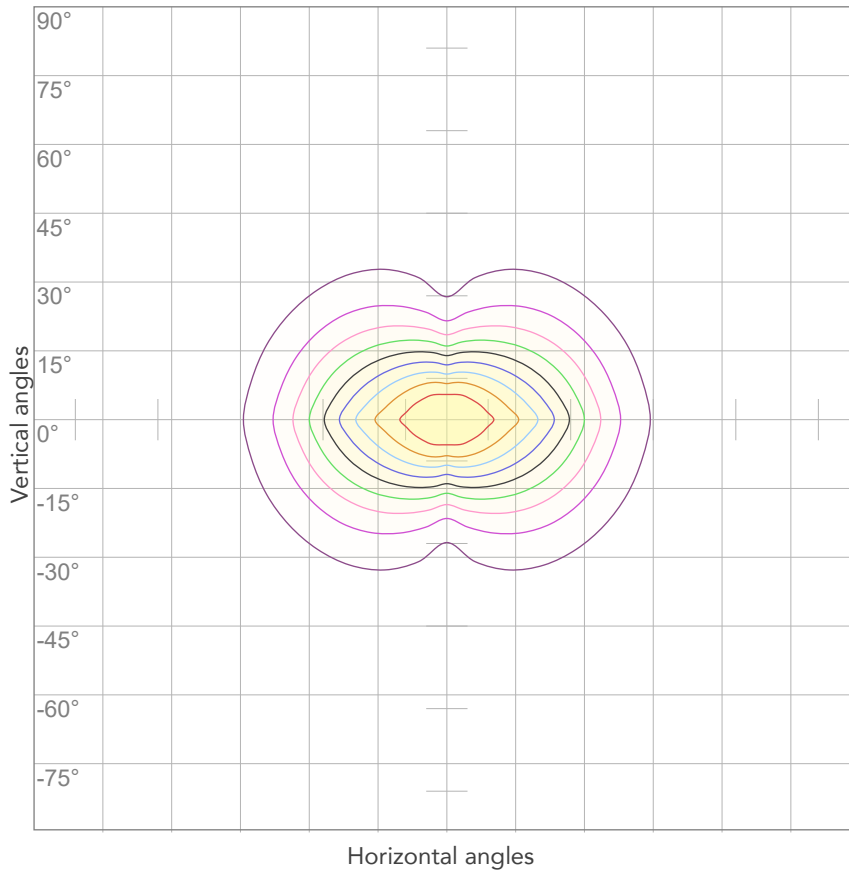


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,189A	35,6W	0,84	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



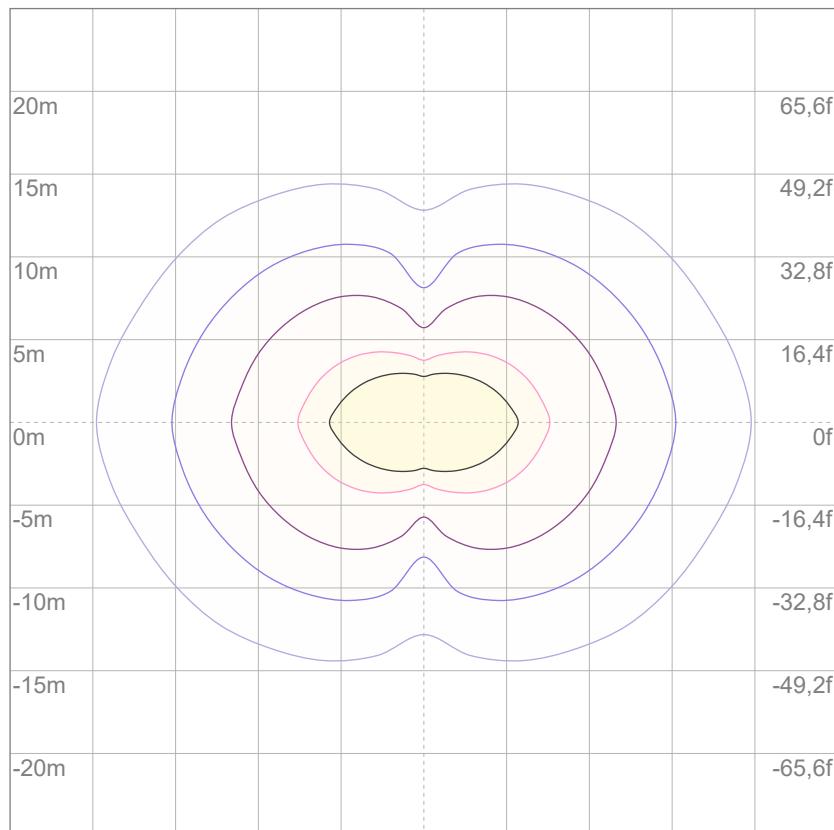
10%	63 cd
20%	125 cd
30%	188 cd
40%	251 cd
50%	313 cd
60%	376 cd
70%	439 cd
80%	501 cd

Conditions:

Number of c-planes: 4

Candela at center: 627 cd

ISO LUX DIAGRAM



3%	0,188 lx
5%	0,313 lx
10%	0,627 lx
30%	1,88 lx
50%	3,13 lx

Conditions:

Number of c-planes: 4

Lux at center: 6,27 lx

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



Total lumen output:

2965 lm

Peak candela output:

58937 cd

Light quality:

CRI: 83,6

Color temperature:

2891 K

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

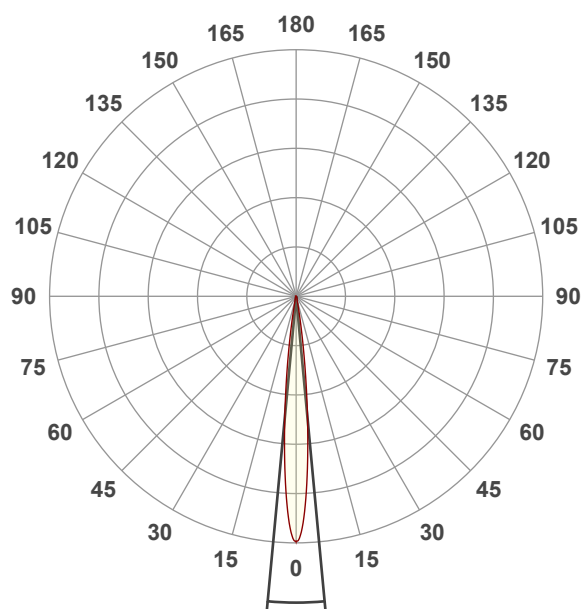
White

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:10:44

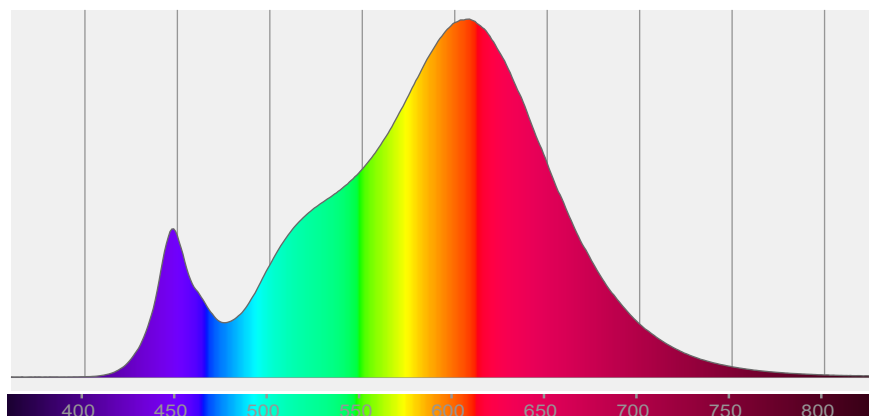


Beam angle 50%: 10,7°

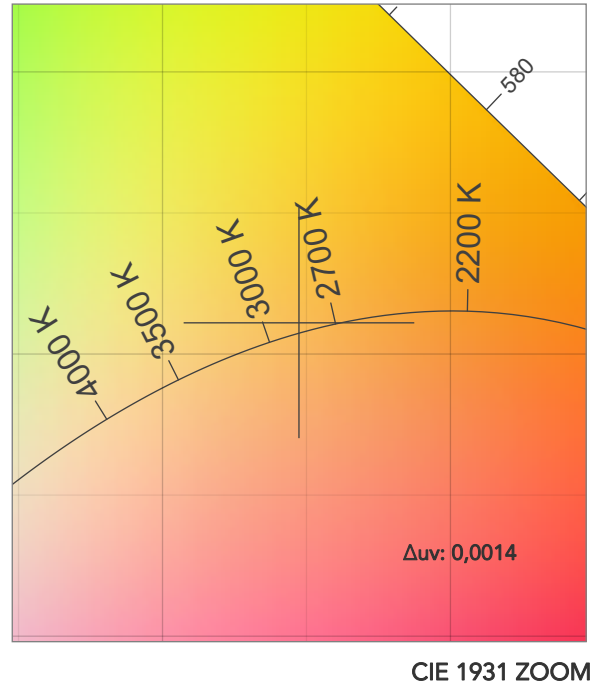
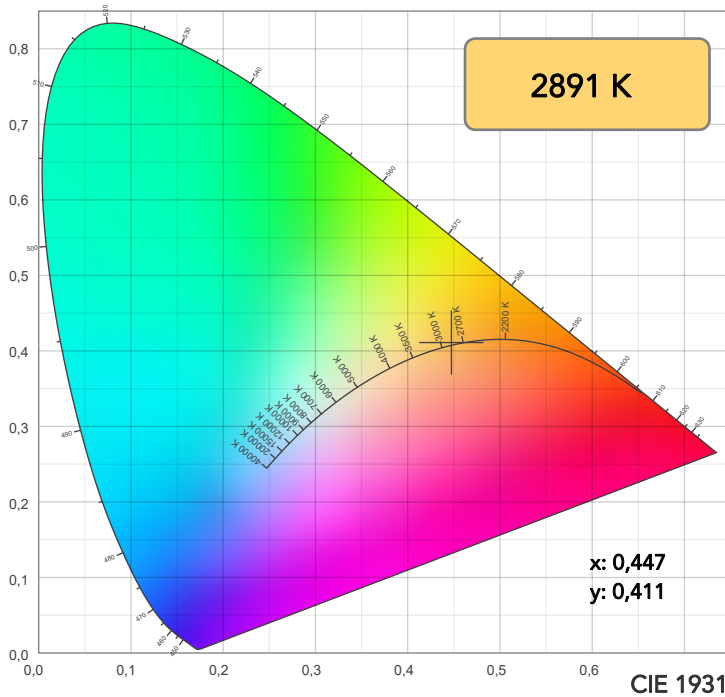
Field angle 10%: 19,2°

Cut off angle 2.5%: 25,7°

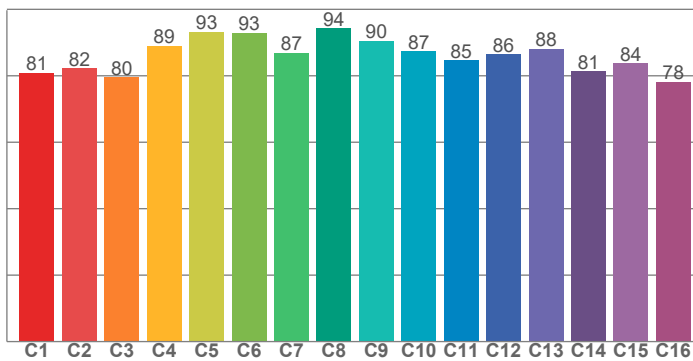
Spectra



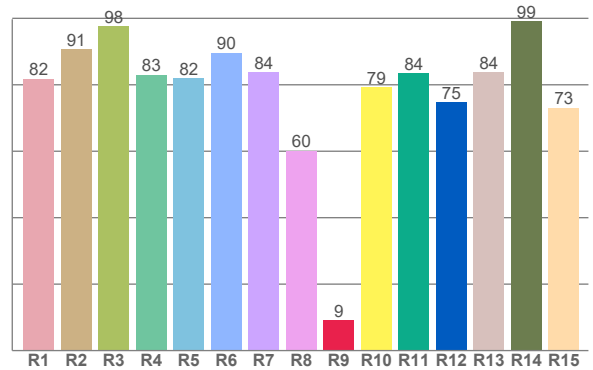
COLOR DETAILS



TM30: 86,1



CRI: 83,6 (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
81,8	90,7	97,6	83,1	82,1	89,6	83,8	60,1	9,2	79,3	83,5	74,7	83,9	99,1	73,1

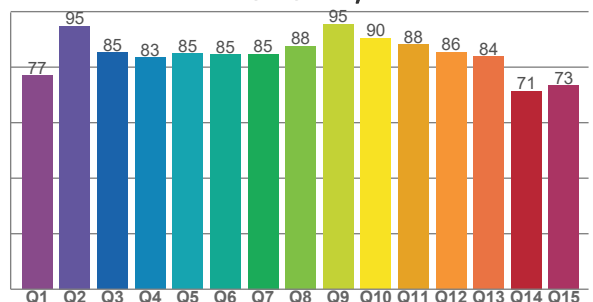
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,8	82,3	79,6	89,1	93,2	92,9	86,8	94,3	90,5	87,4	84,7	86,4	88,1	81,4	83,8	78,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,0	94,9	85,3	83,5	84,9	84,5	84,8	87,6	95,4	90,4	88,2	85,5	83,8	71,4	73,3

CQS: 83,2



COLOR PARAMETERS

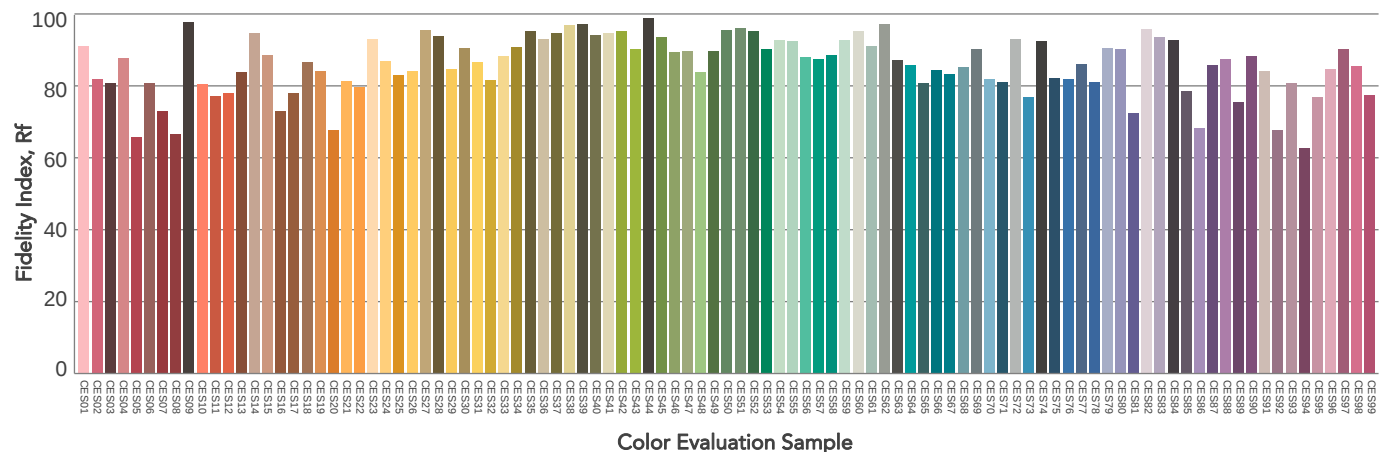
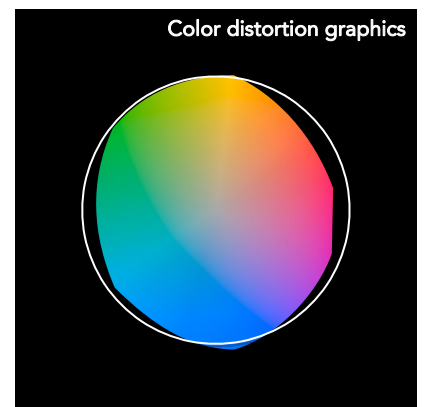
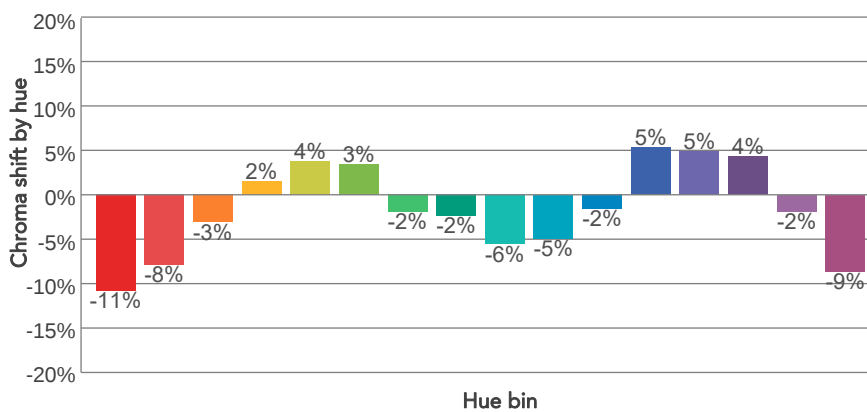
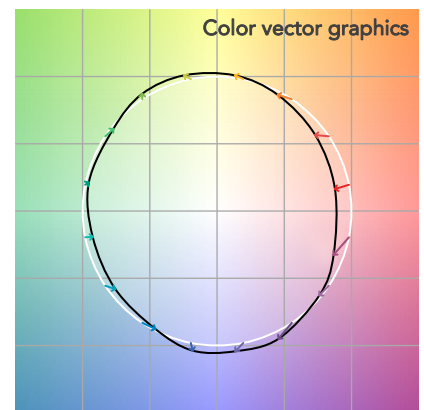
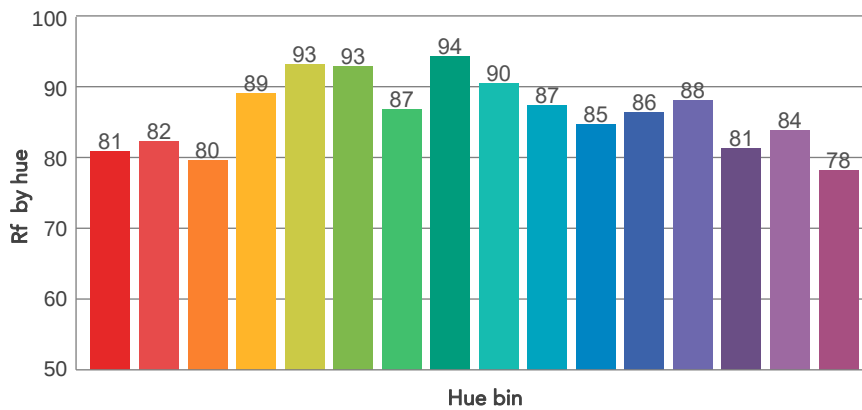
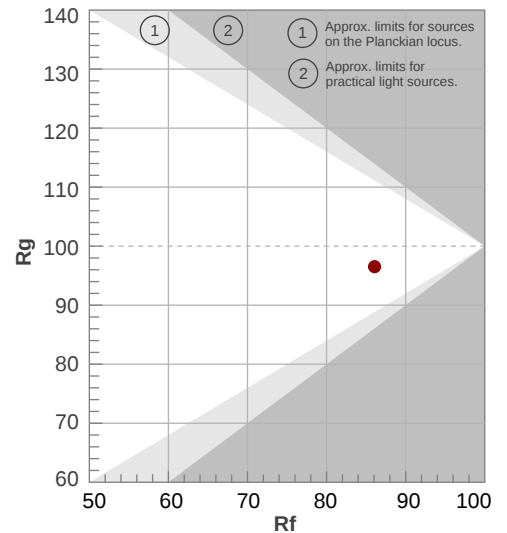
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2891 K	83,6	9,2	86,1	96,5	83,2	69	0,447	0,411	0,0014

TM30 DETAILS

Rf 86,1
Fidelity index Rf

Rg 96,5
Gammut index

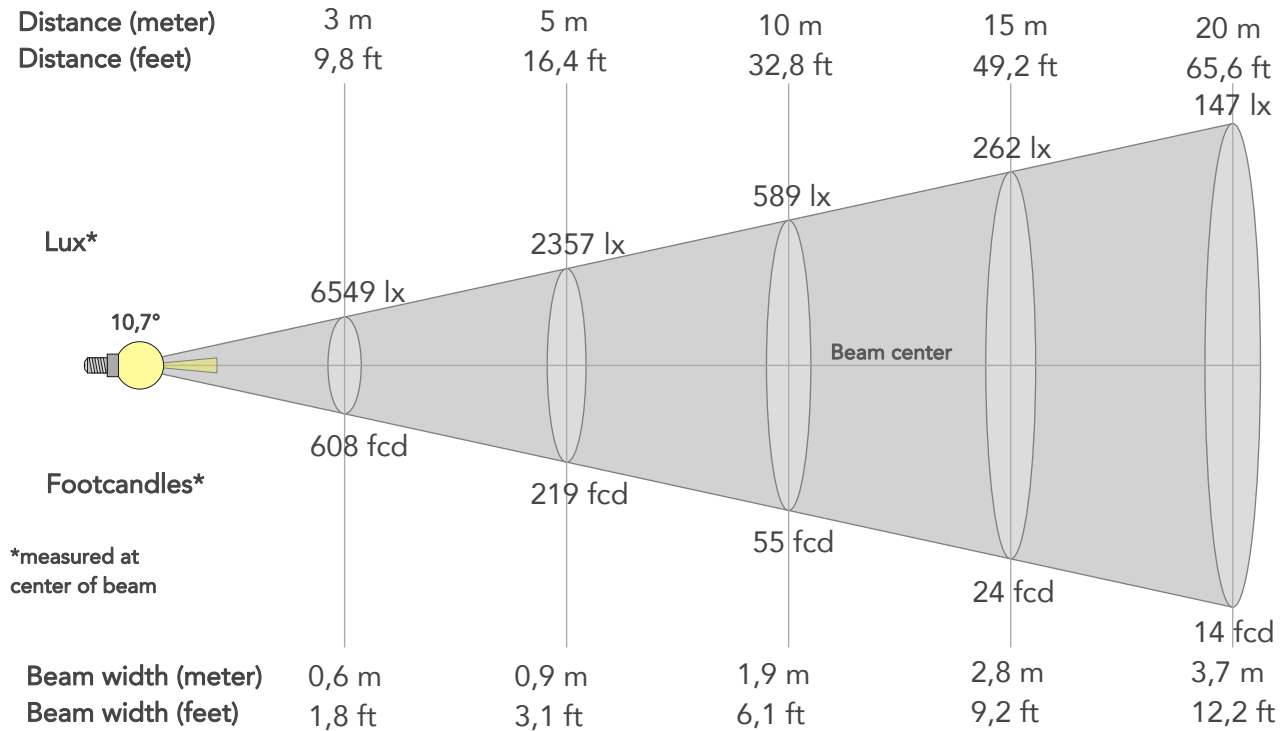
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	89	2%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-2%	-2%
9	90	-6%	1%
10	87	-5%	6%
11	85	-2%	11%
12	86	5%	2%
13	88	5%	-7%
14	81	4%	-15%
15	84	-2%	-10%
16	78	-9%	-15%



BEAM DETAILS



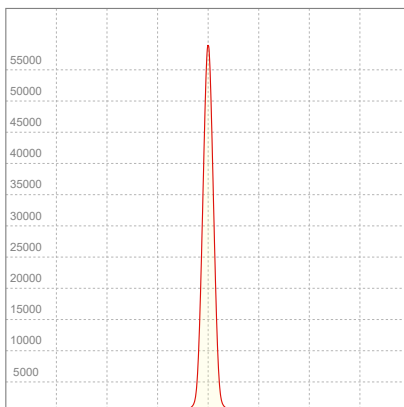
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,7°	19,2°	25,7°	97,5%	94,3%



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	58937lx	14734lx	6549lx	3684lx	2357lx	1048lx	589lx	262lx	147lx	94lx	65lx	37lx	24lx
Footcand.	5475fcd	1369fcd	608fcd	342fcd	219fcd	97fcd	55fcd	24fcd	14fcd	9fcd	6fcd	3fcd	2fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,9m	2,8m	3,7m	4,7m	5,6m	7,5m	9,3m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3,1ft	4,6ft	6,1ft	9,2ft	12,2ft	15,3ft	18,4ft	24,5ft	30,6ft

LINEAR DISTRIBUTION DIAGRAM

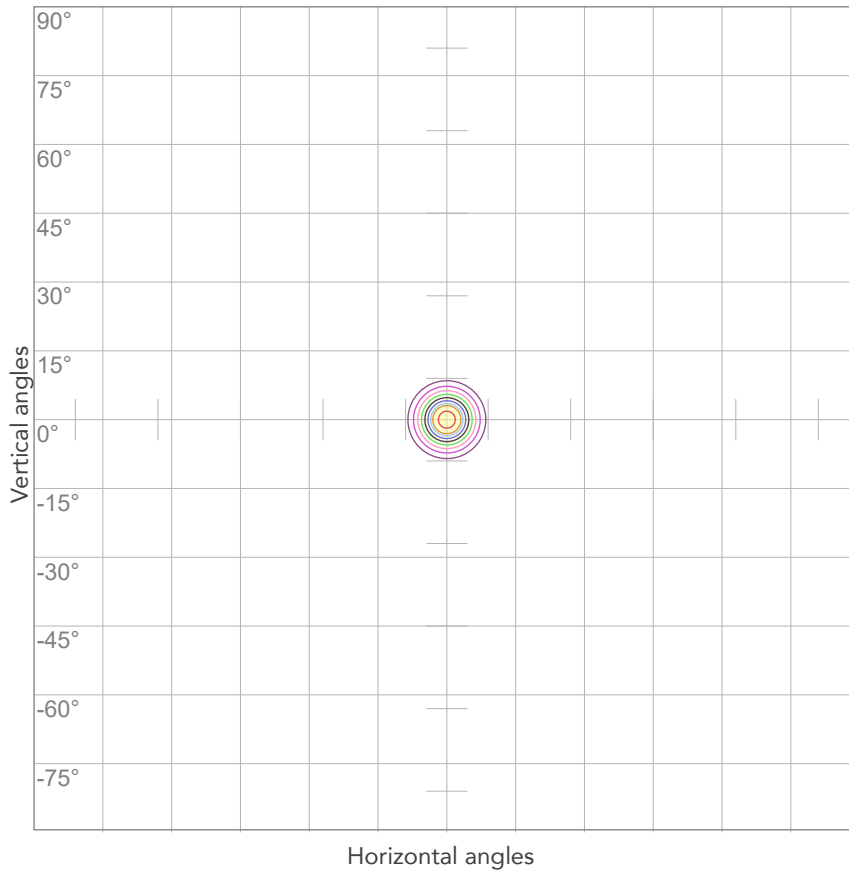


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,228A	44,7W	0,87	66lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



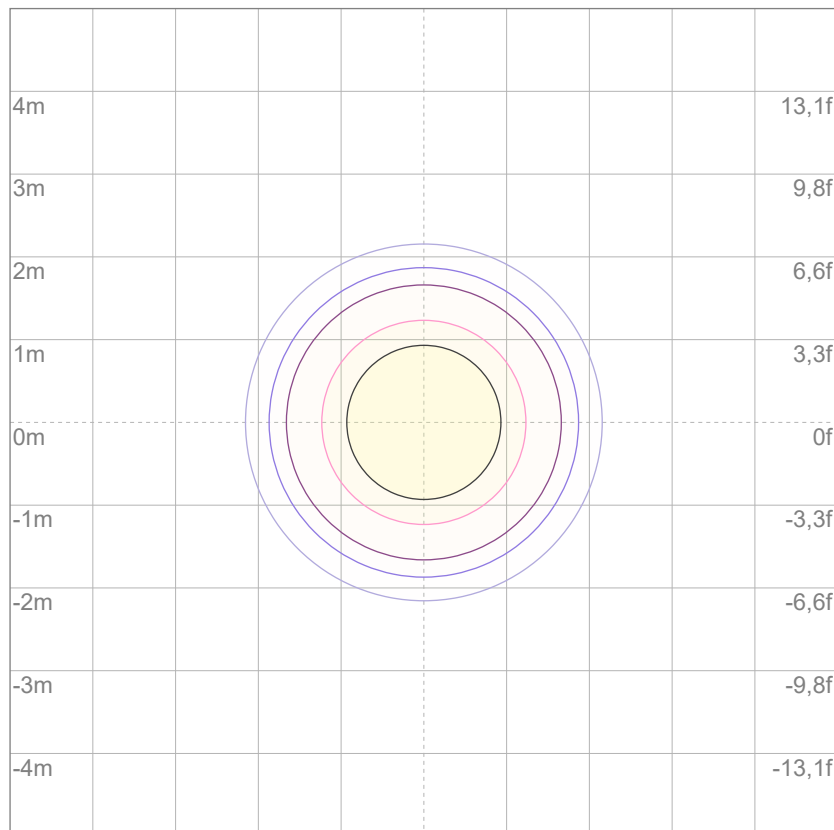
10%	5894 cd
20%	11787 cd
30%	17681 cd
40%	23575 cd
50%	29468 cd
60%	35362 cd
70%	41256 cd
80%	47149 cd

Conditions:

Number of c-planes: 2

Candela at center: 58937 cd

ISO LUX DIAGRAM



3%	17,7 lx
5%	29,5 lx
10%	58,9 lx
30%	177 lx
50%	295 lx

Conditions:

Number of c-planes: 2

Lux at center: 589 lx

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



Total lumen output:

2707 lm

Peak candela output:

11239 cd

Light quality:

CRI: 83,6

Color temperature:

2890 K

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

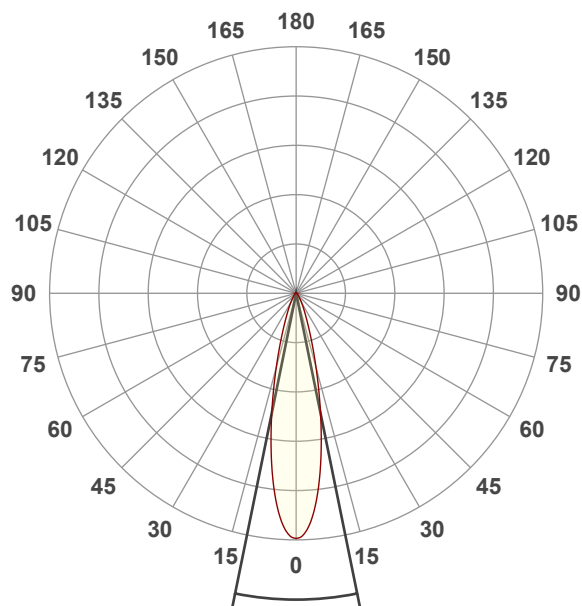
White

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:26:14

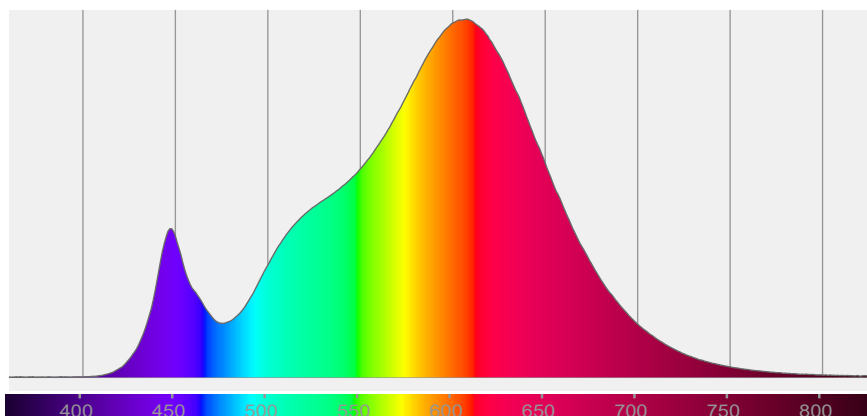


Beam angle 50%: 23°

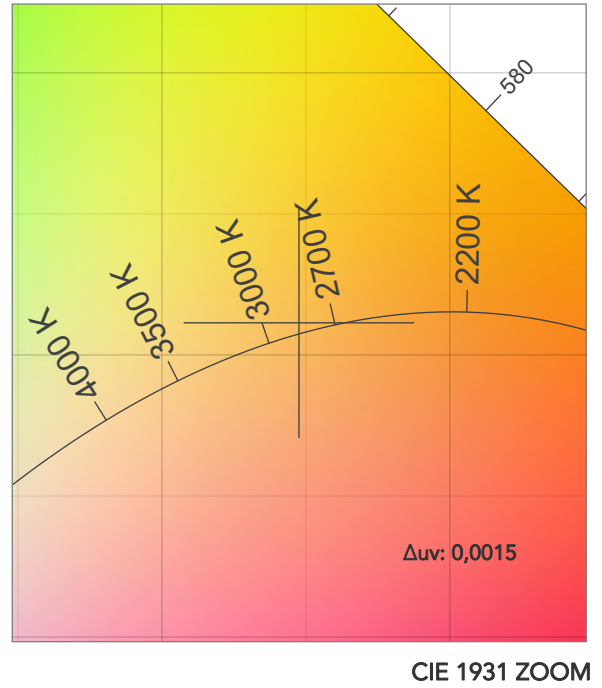
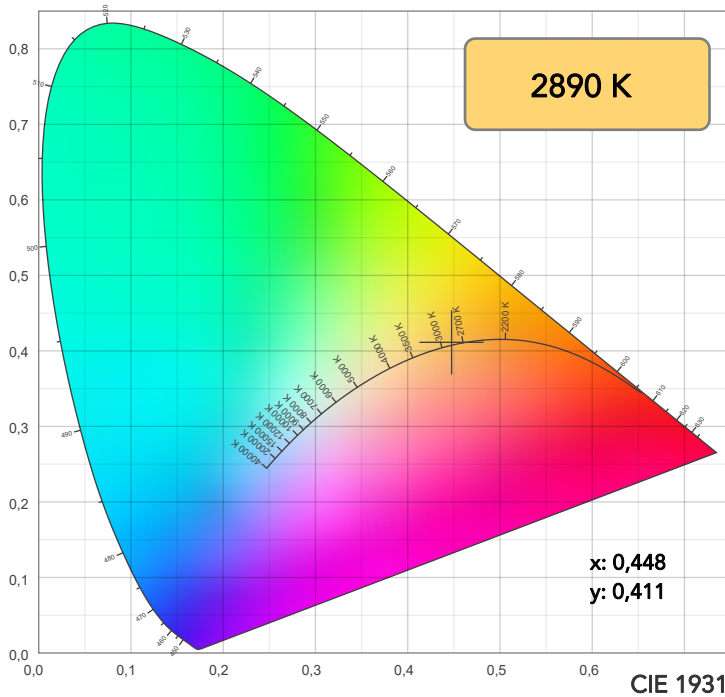
Field angle 10%: 46°

Cut off angle 2.5%: 72,1°

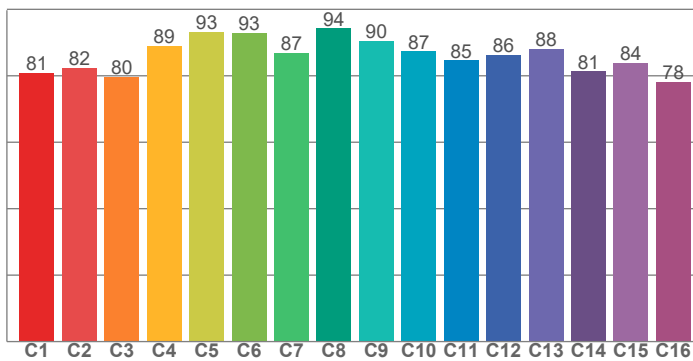
Spectra



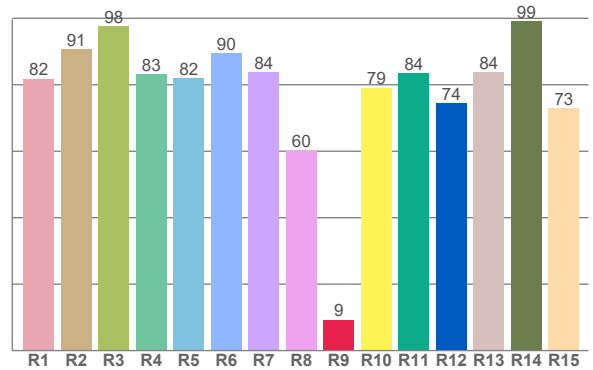
COLOR DETAILS



TM30: 86,1



CRI: 83,6 (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
81,8	90,6	97,6	83,1	82,0	89,6	83,9	60,2	9,2	79,1	83,6	74,5	83,8	99,1	73,0

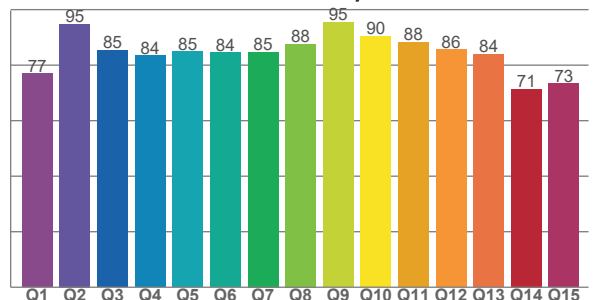
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,8	82,3	79,6	89,1	93,2	92,9	86,8	94,3	90,5	87,4	84,6	86,4	88,1	81,4	83,8	78,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,0	94,9	85,3	83,5	84,9	84,5	84,8	87,6	95,5	90,4	88,2	85,6	83,9	71,4	73,3

CQS: 83,2



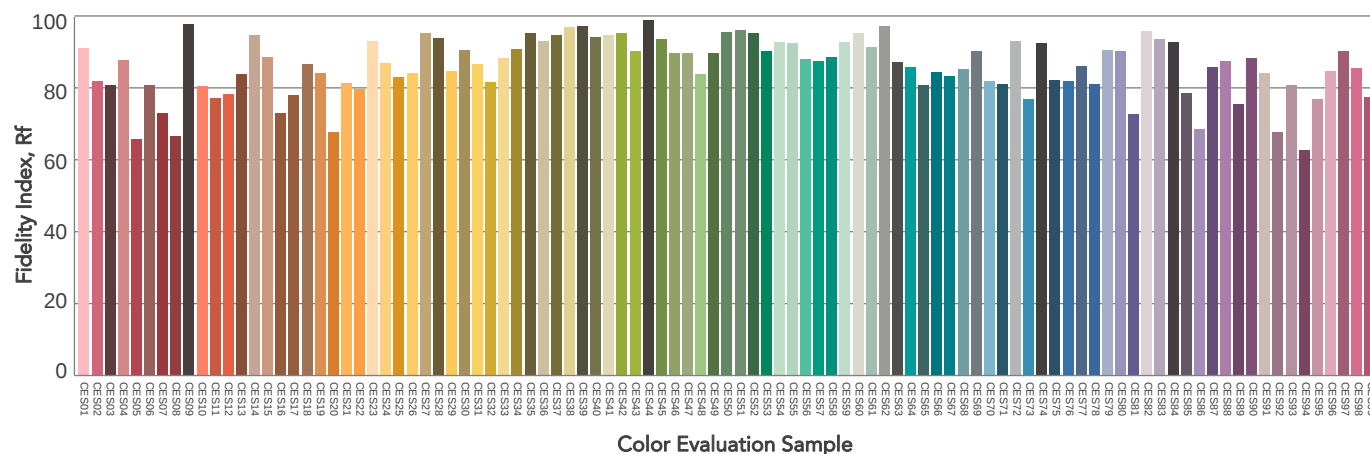
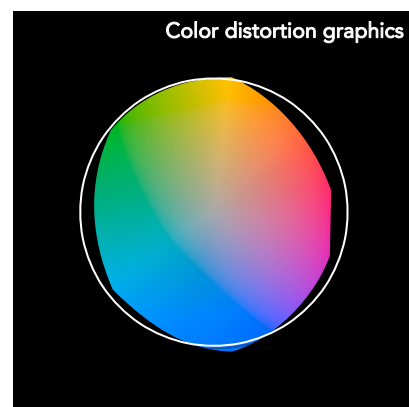
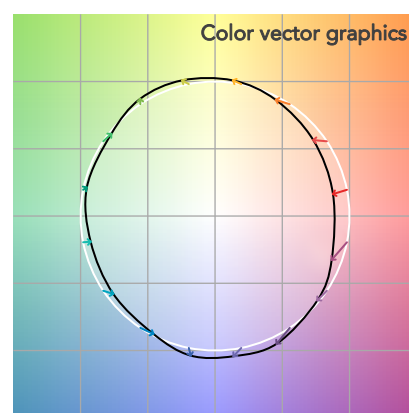
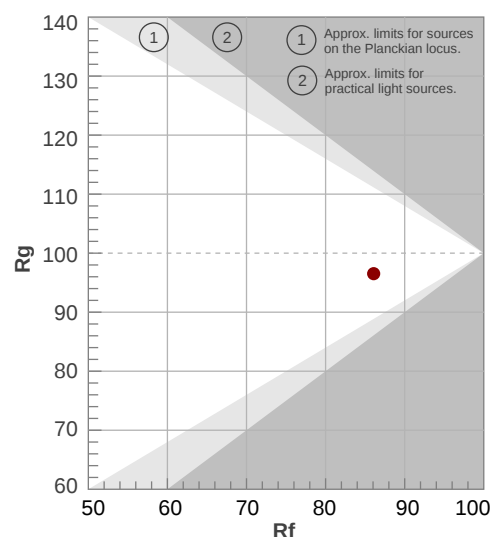
COLOR PARAMETERS

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
2890 K	83,6	9,2	86,1	96,5	83,2	69	0,448	0,411	0,0015

Fidelity index R_f

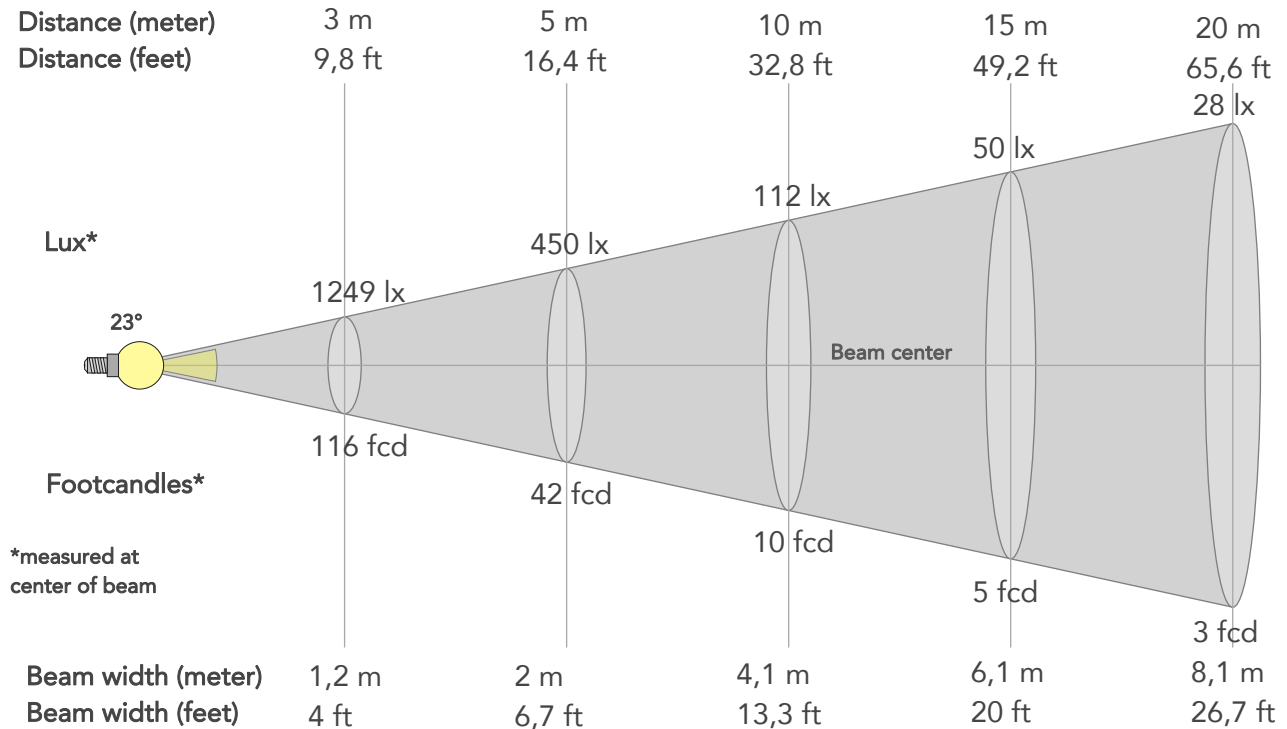
Gammut index

		Graphic shifts (%)	
Hue Bin	R_i	Chroma	Hue
1	81	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	89	1%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-2%	-2%
9	90	-6%	1%
10	87	-5%	6%
11	85	-2%	11%
12	86	5%	2%
13	88	5%	-7%
14	81	4%	-15%
15	84	-2%	-10%
16	78	-9%	-15%



BEAM DETAILS

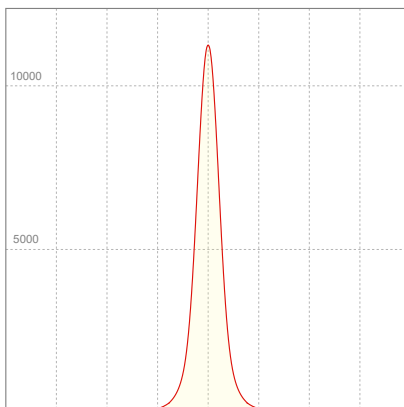
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	46°	72,1°	97,2%	92,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	11239lx	2810lx	1249lx	702lx	450lx	200lx	112lx	50lx	28lx	18lx	12lx	7lx	4lx
Footcand.	1044fcd	261fcd	116fcd	65fcd	42fcd	19fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,2m	12,2m	16,3m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,7ft	33,3ft	40ft	53,4ft	66,7ft

LINEAR DISTRIBUTION DIAGRAM

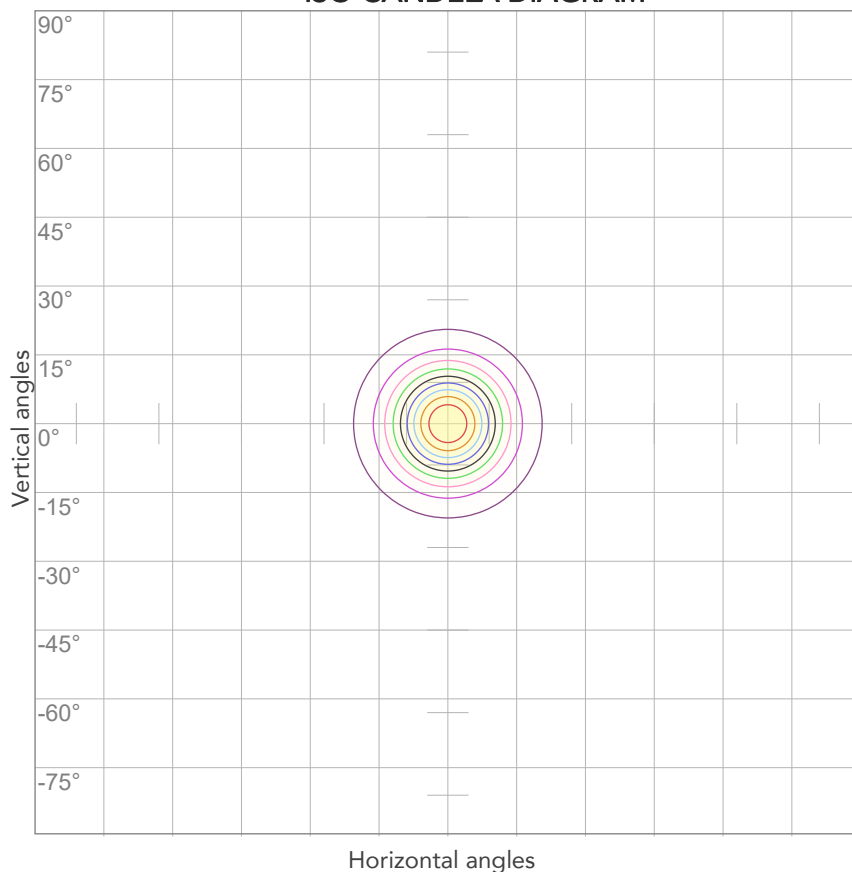


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,229A	44,8W	0,86	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



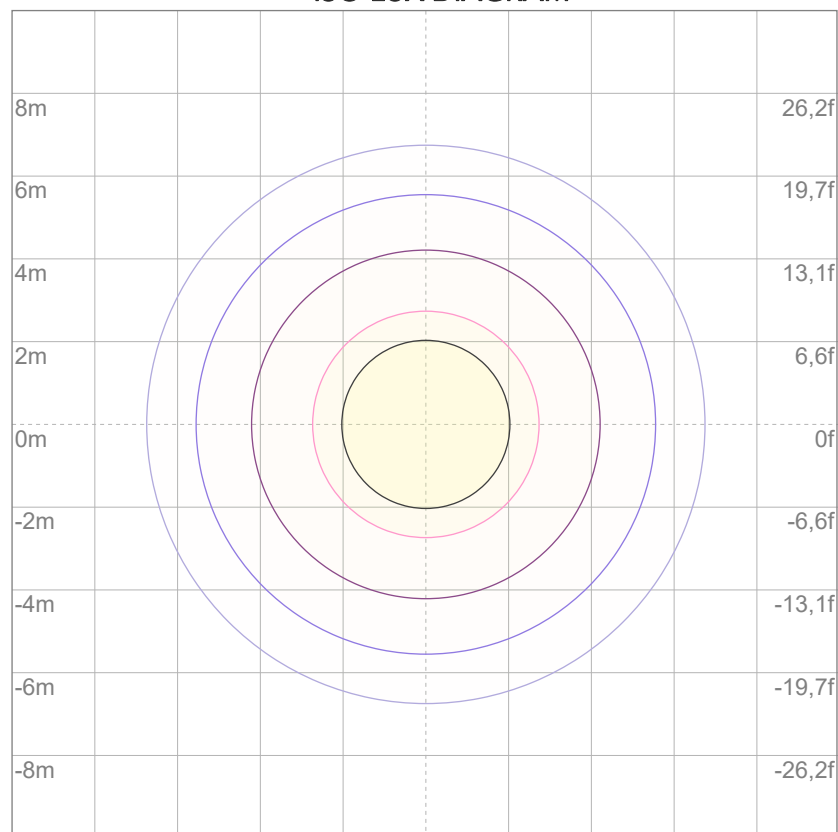
10%	1124 cd
20%	2248 cd
30%	3372 cd
40%	4496 cd
50%	5620 cd
60%	6744 cd
70%	7868 cd
80%	8992 cd

Conditions:

Number of c-planes: 2

Candela at center: 11239 cd

ISO LUX DIAGRAM



3%	3,37 lx
5%	5,62 lx
10%	11,2 lx
30%	33,7 lx
50%	56,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 112 lx

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



Total lumen output:

2679 lm

Peak candela output:

3594 cd

Light quality:

CRI: 83,6

Color temperature:

2896 K

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

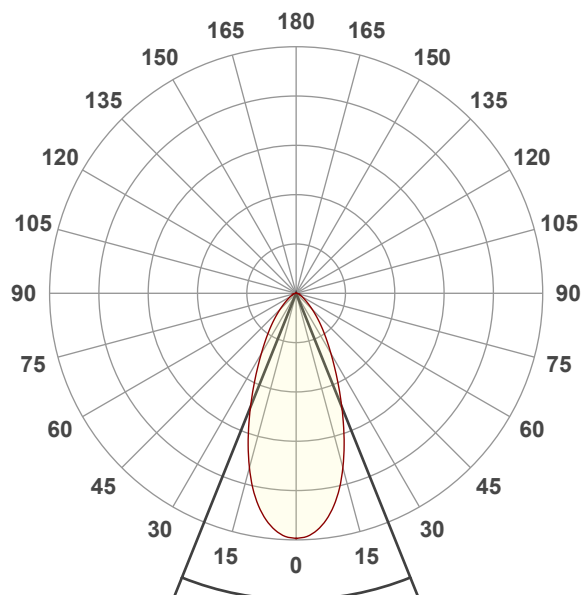
White

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:18:37

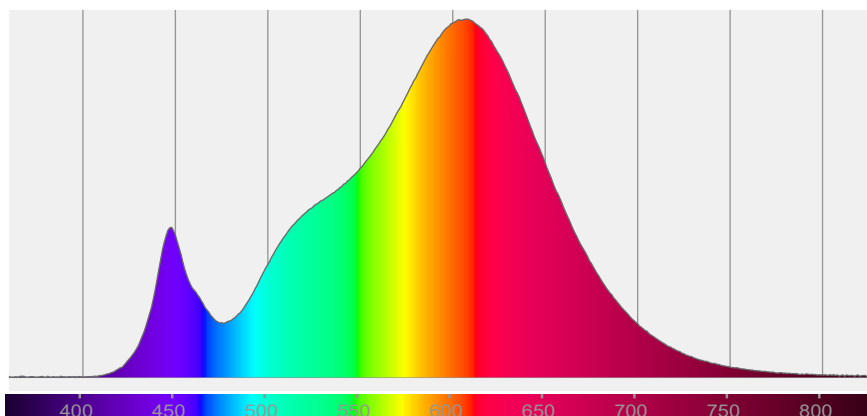


Beam angle 50%: 43,8°

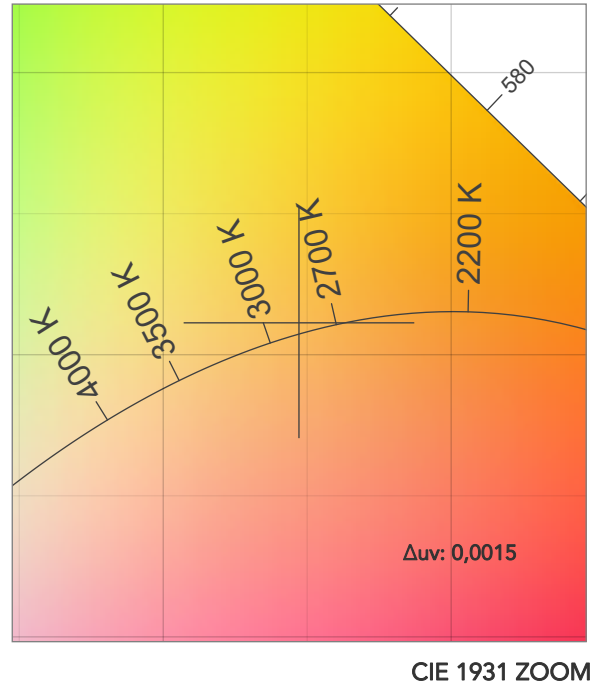
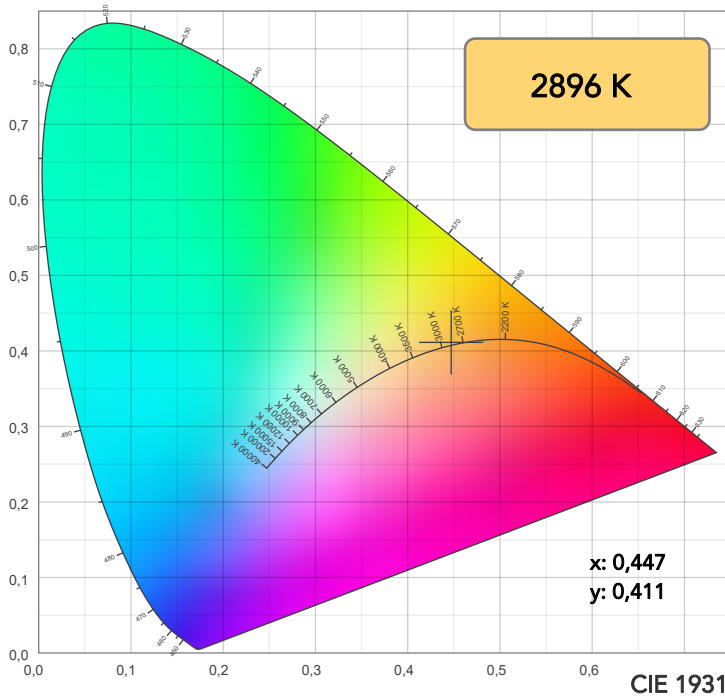
Field angle 10%: 88,3°

Cut off angle 2.5%: 123,3°

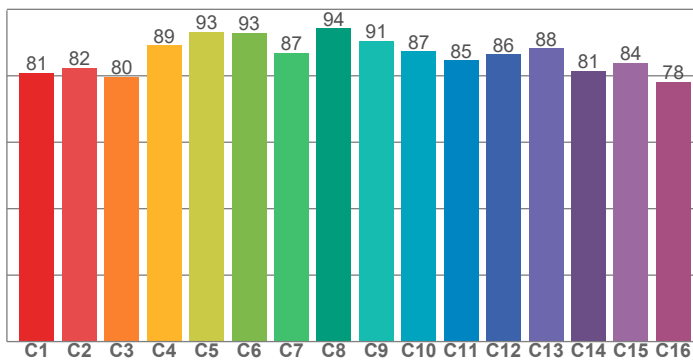
Spectra



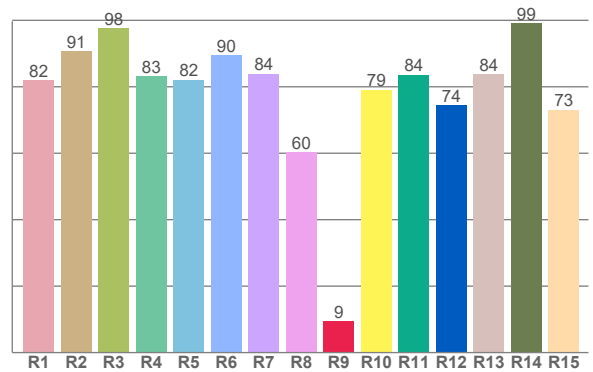
COLOR DETAILS



TM30: 86,1



CRI: 83,6 (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
81,9	90,6	97,6	83,2	82,1	89,6	83,9	60,3	9,4	79,2	83,7	74,5	83,9	99,1	73,1

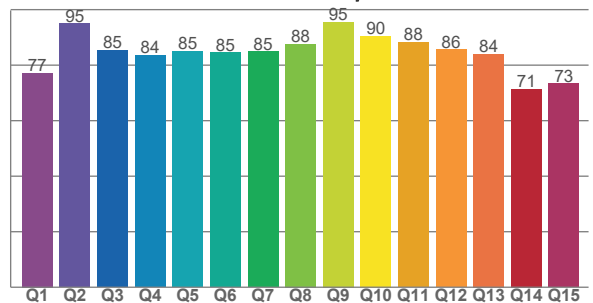
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,9	82,4	79,7	89,1	93,2	92,9	86,9	94,3	90,5	87,4	84,6	86,4	88,2	81,4	83,8	78,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,1	94,9	85,3	83,6	85,0	84,5	84,8	87,7	95,5	90,4	88,3	85,6	84,0	71,5	73,4

CQS: 83,3



COLOR PARAMETERS

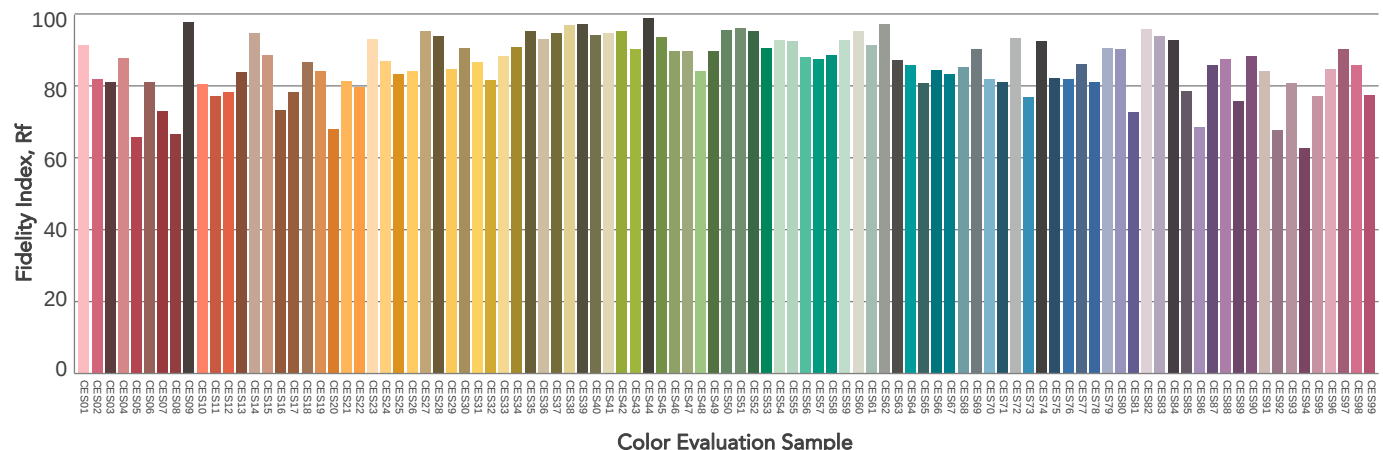
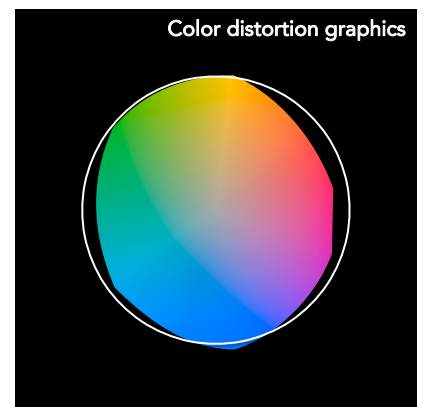
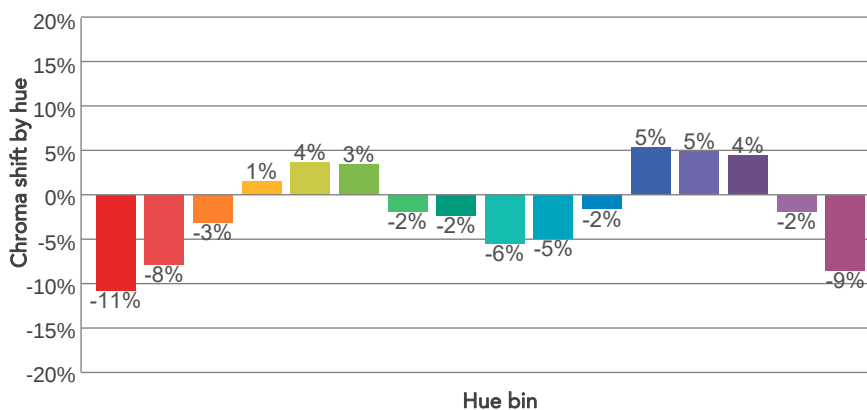
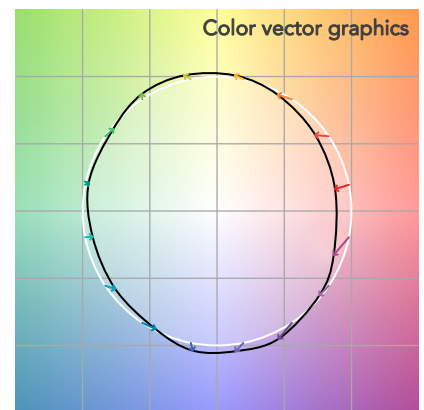
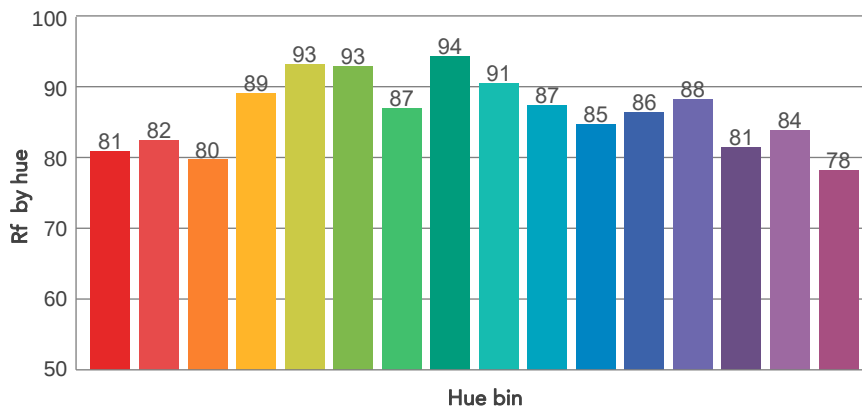
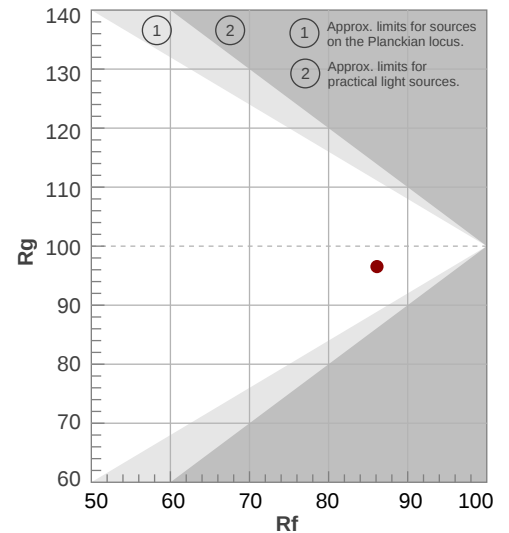
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2896 K	83,6	9,4	86,1	96,5	83,3	69	0,447	0,411	0,0015

TM30 DETAILS

Rf 86,1
Fidelity index Rf

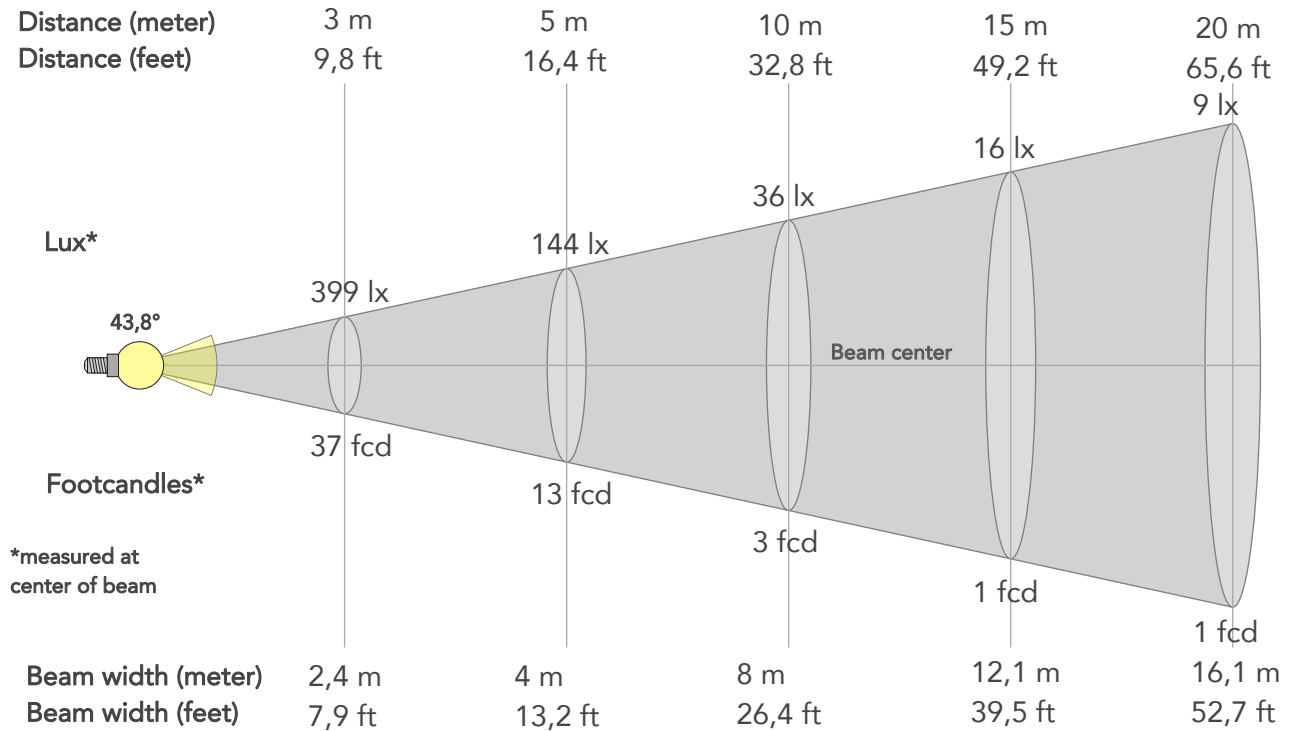
Rg 96,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	89	1%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-2%	-2%
9	91	-6%	1%
10	87	-5%	6%
11	85	-2%	11%
12	86	5%	3%
13	88	5%	-7%
14	81	4%	-15%
15	84	-2%	-10%
16	78	-9%	-15%



BEAM DETAILS

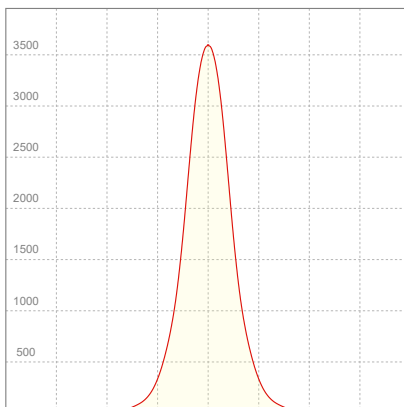
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	88,3°	123,3°	95,9%	86,8%



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	3594lx	898lx	399lx	225lx	144lx	64lx	36lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	334fcd	83fcd	37fcd	21fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12,1m	16,1m	20,1m	24,1m	32,1m	40,2m
Beam wid.	2,7ft	5,3ft	7,9ft	10,5ft	13,2ft	19,8ft	26,4ft	39,5ft	52,7ft	65,9ft	79,1ft	105,4ft	131,8ft

LINEAR DISTRIBUTION DIAGRAM

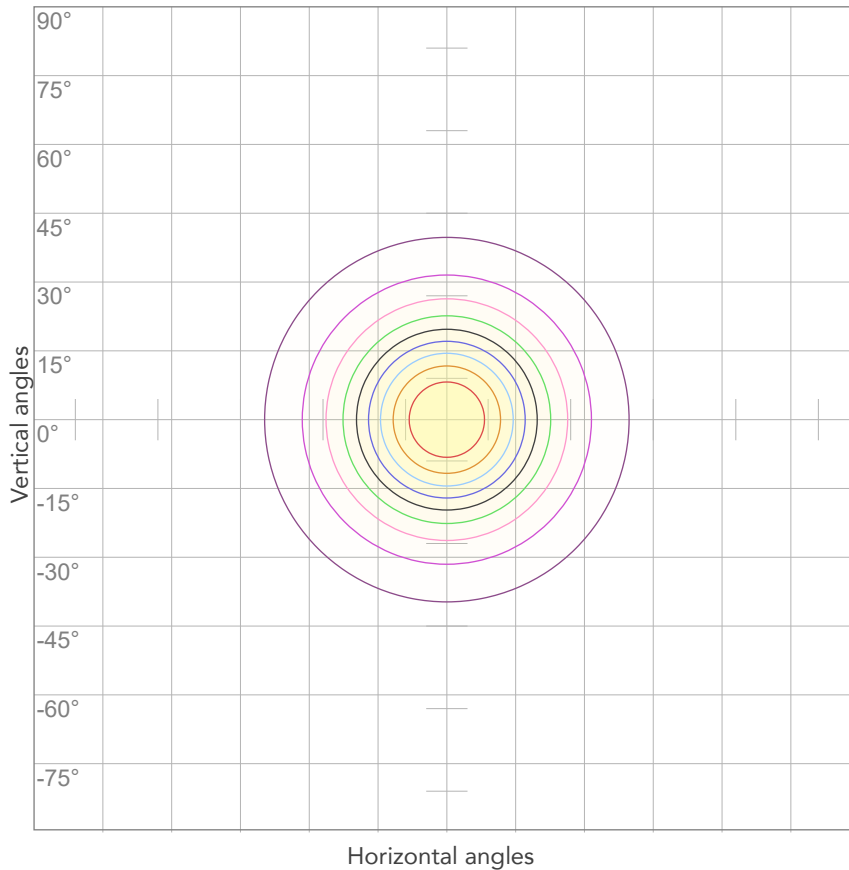


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,230A	45,1W	0,87	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



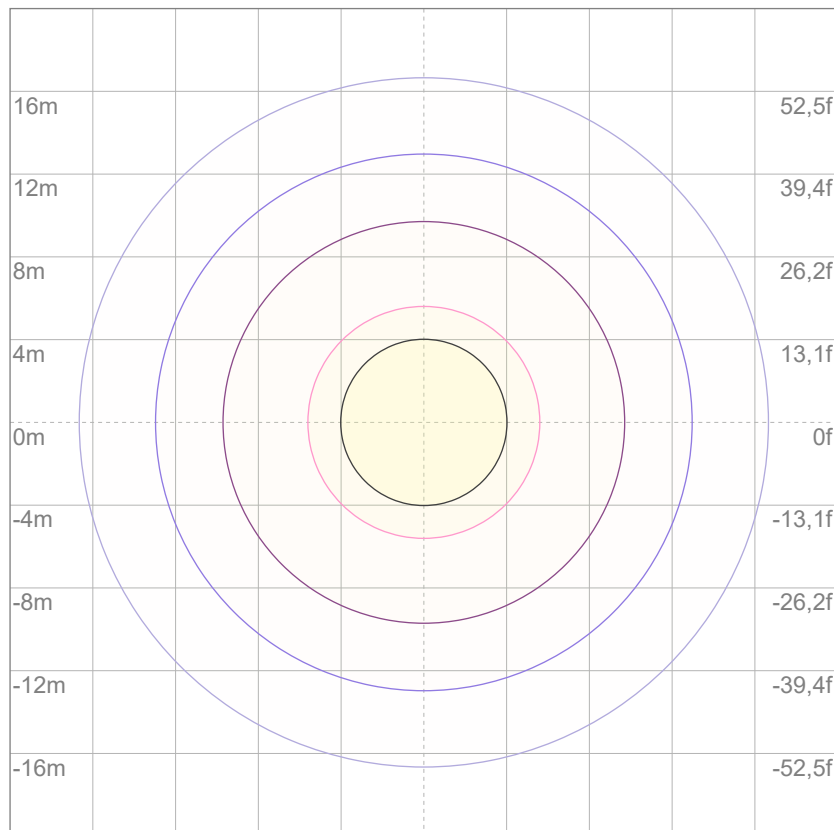
10%	359 cd
20%	719 cd
30%	1078 cd
40%	1437 cd
50%	1797 cd
60%	2156 cd
70%	2515 cd
80%	2875 cd

Conditions:

Number of c-planes: 2

Candela at center: 3594 cd

ISO LUX DIAGRAM



3%	1,08 lx
5%	1,80 lx
10%	3,59 lx
30%	10,8 lx
50%	18,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 35,9 lx

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



Total lumen output:

2716 lm

Peak candela output:

2402 cd

Light quality:

CRI: 83,7

Color temperature:

2898 K

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

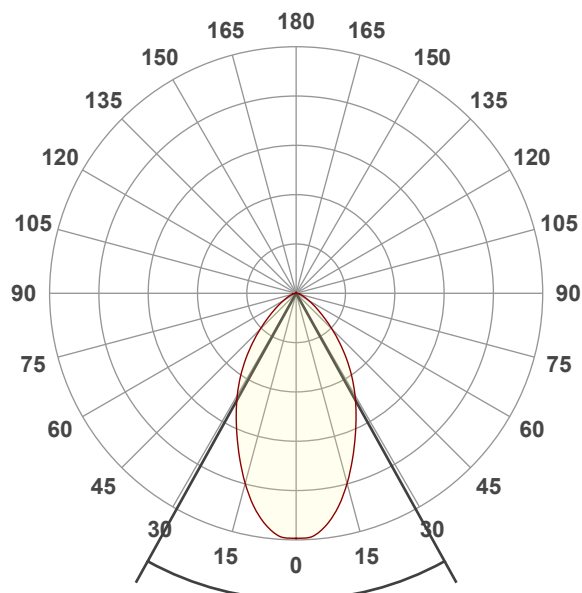
White

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:48:04

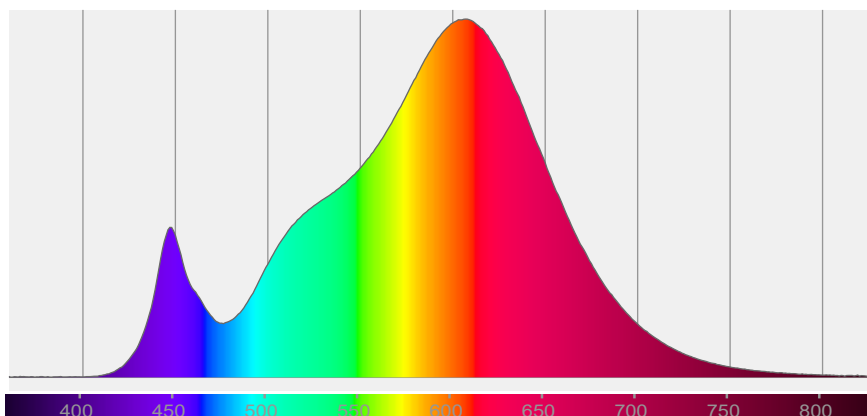


Beam angle 50%: 58°

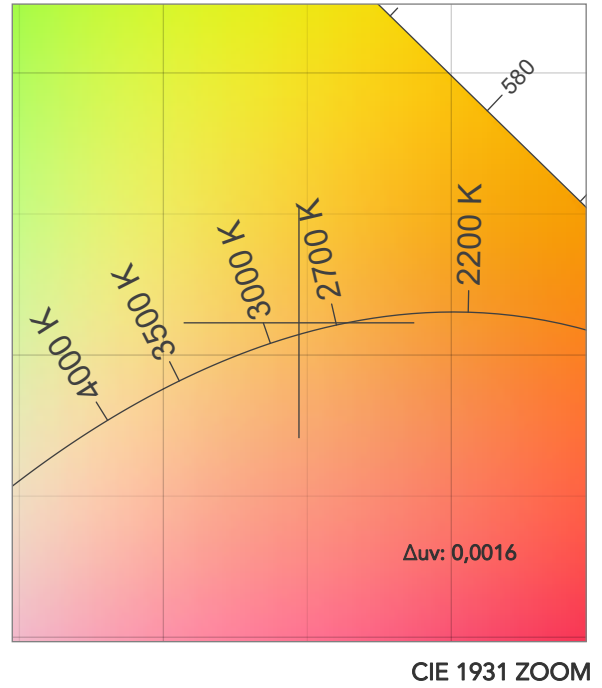
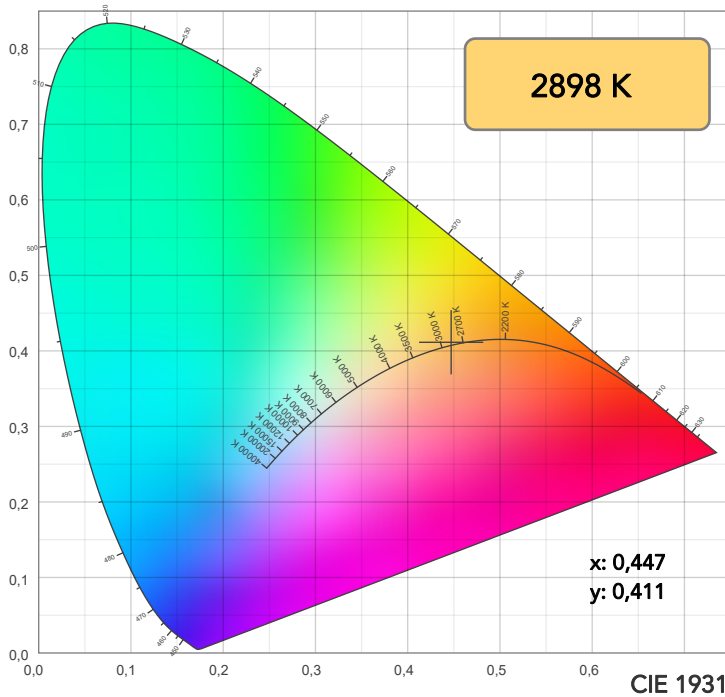
Field angle 10%: 108,4°

Cut off angle 2.5%: 140,2°

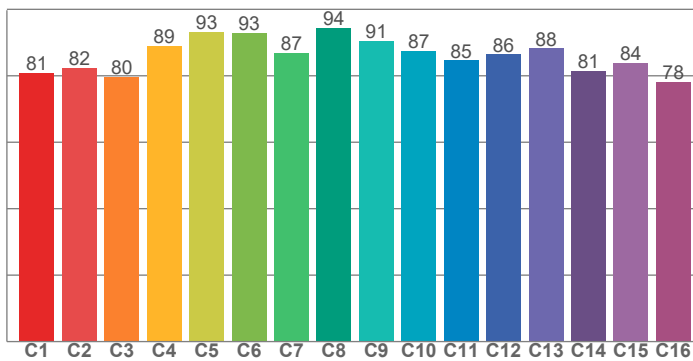
Spectra



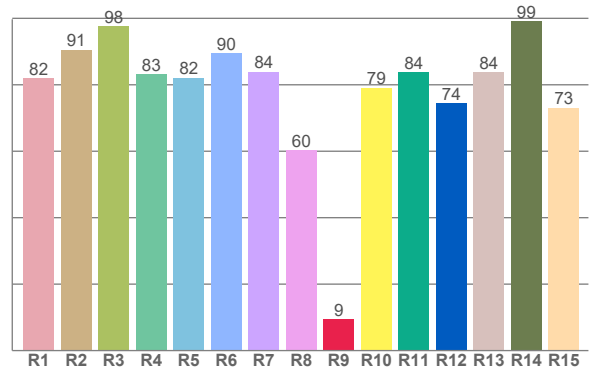
COLOR DETAILS



TM30: 86,1



CRI: 83,7 (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
81,9	90,6	97,7	83,2	82,1	89,5	84,0	60,3	9,4	79,1	83,7	74,4	83,8	99,1	73,1

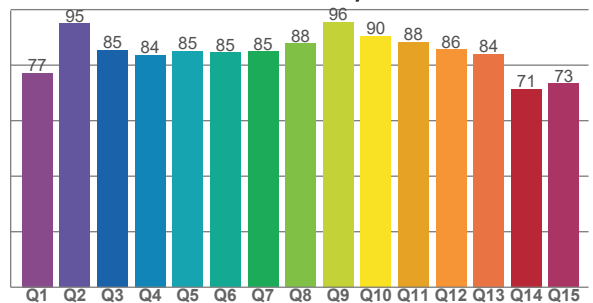
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,9	82,4	79,7	89,1	93,2	92,9	86,9	94,3	90,5	87,4	84,7	86,4	88,2	81,4	83,8	78,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,1	94,9	85,4	83,6	85,0	84,5	84,9	87,7	95,5	90,4	88,3	85,7	84,0	71,5	73,4

CQS: 83,3



COLOR PARAMETERS

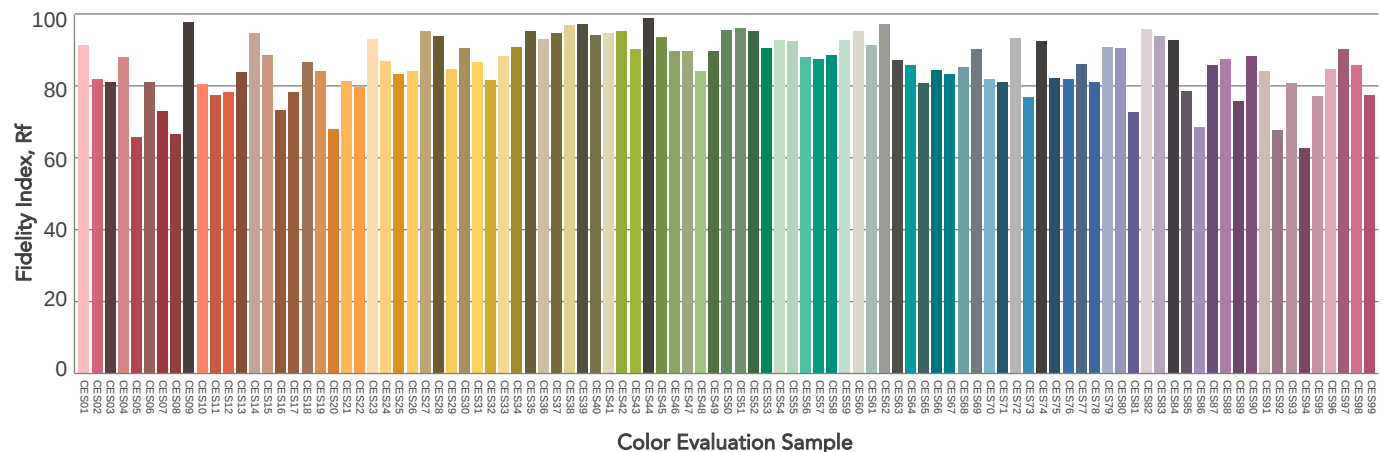
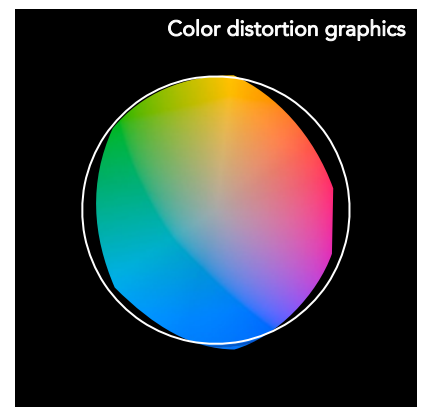
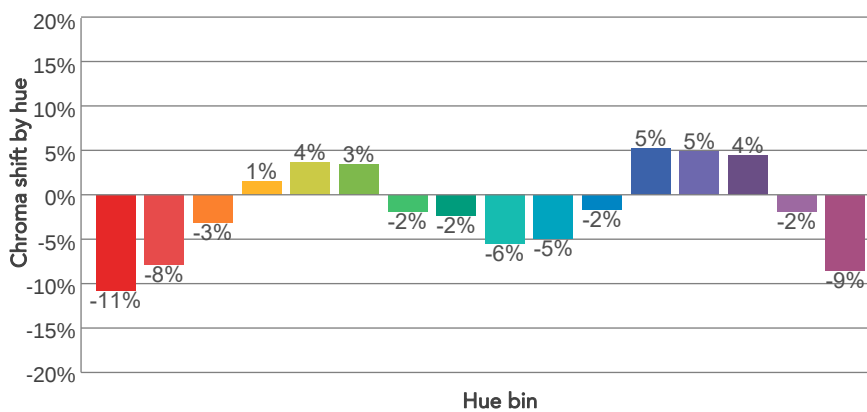
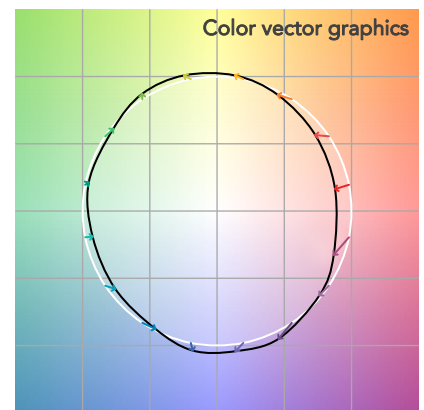
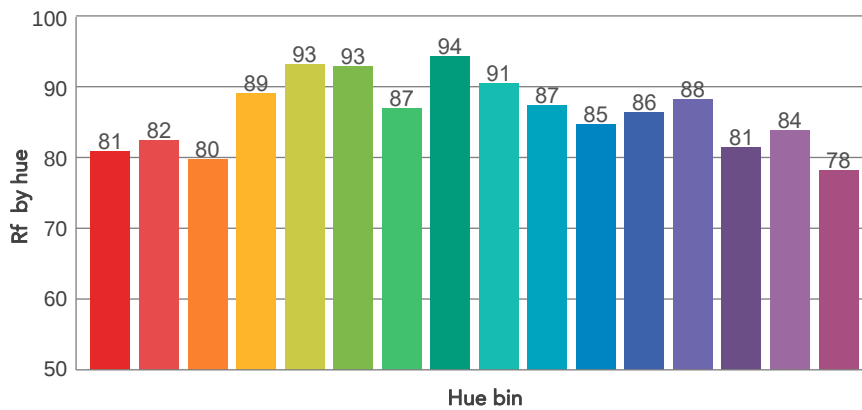
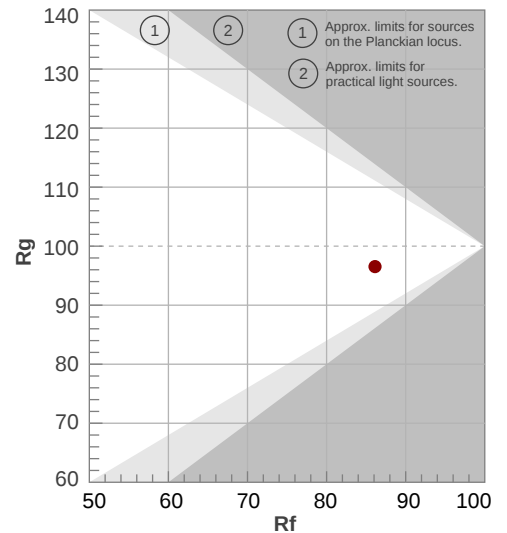
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2898 K	83,7	9,4	86,1	96,5	83,3	69	0,447	0,411	0,0016

TM30 DETAILS

Rf 86,1
Fidelity index Rf

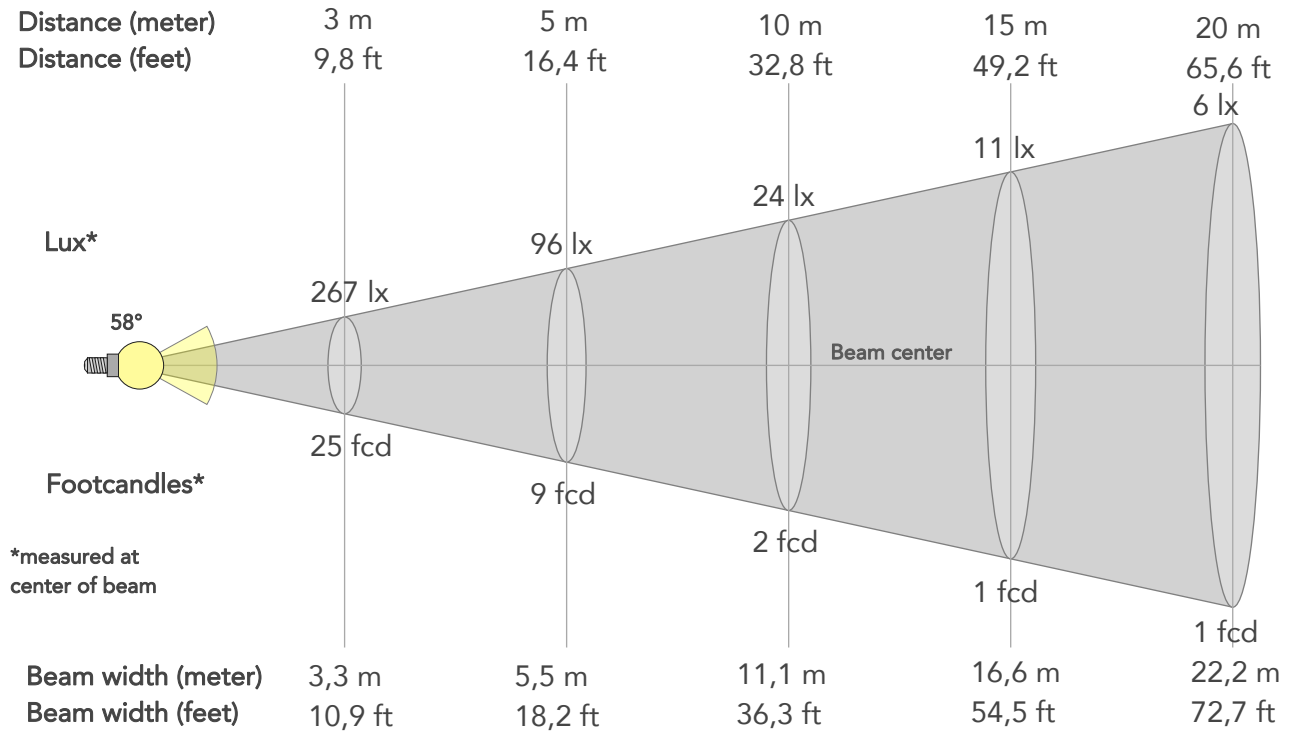
Rg 96,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	89	1%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-2%	-2%
9	91	-6%	1%
10	87	-5%	6%
11	85	-2%	11%
12	86	5%	3%
13	88	5%	-7%
14	81	4%	-15%
15	84	-2%	-10%
16	78	-9%	-15%



BEAM DETAILS

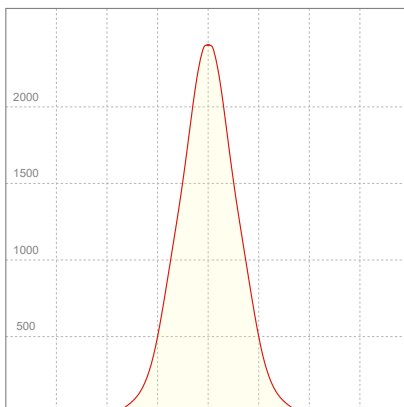
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58°	108,4°	140,2°	94,4%	80,7%



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	2402lx	601lx	267lx	150lx	96lx	43lx	24lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	223fcd	56fcd	25fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11,1m	16,6m	22,2m	27,7m	33,2m	44,3m	55,4m
Beam wid.	3,7ft	7,3ft	10,9ft	14,5ft	18,2ft	27,3ft	36,3ft	54,5ft	72,7ft	90,9ft	109ft	145,4ft	181,7ft

LINEAR DISTRIBUTION DIAGRAM

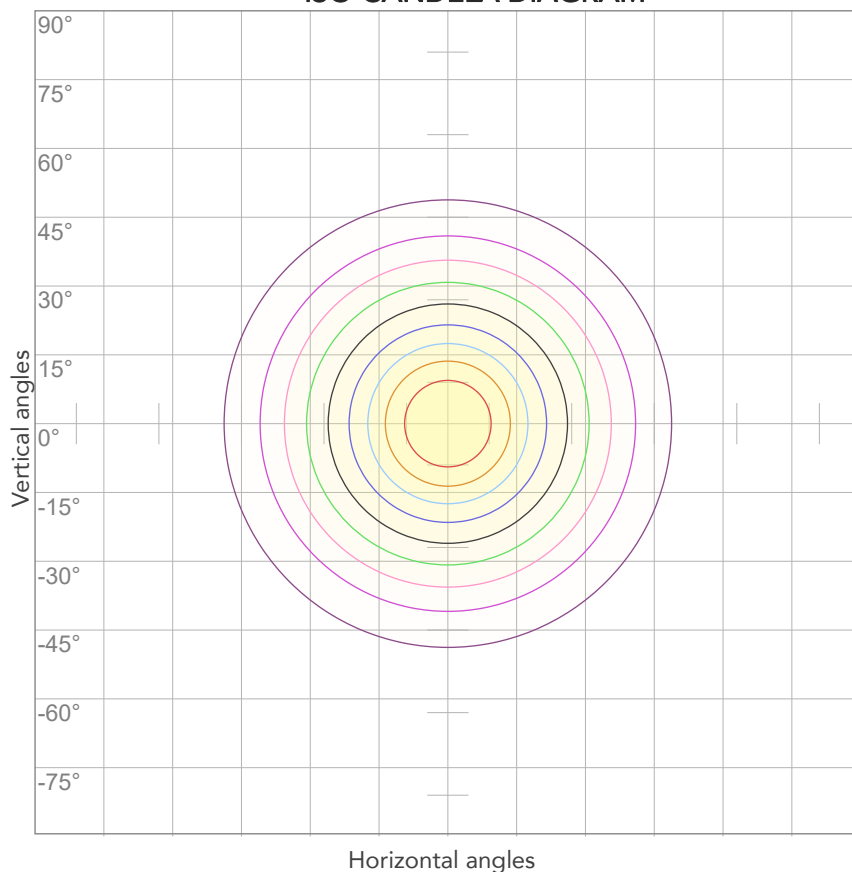


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,231A	44,9W	0,86	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



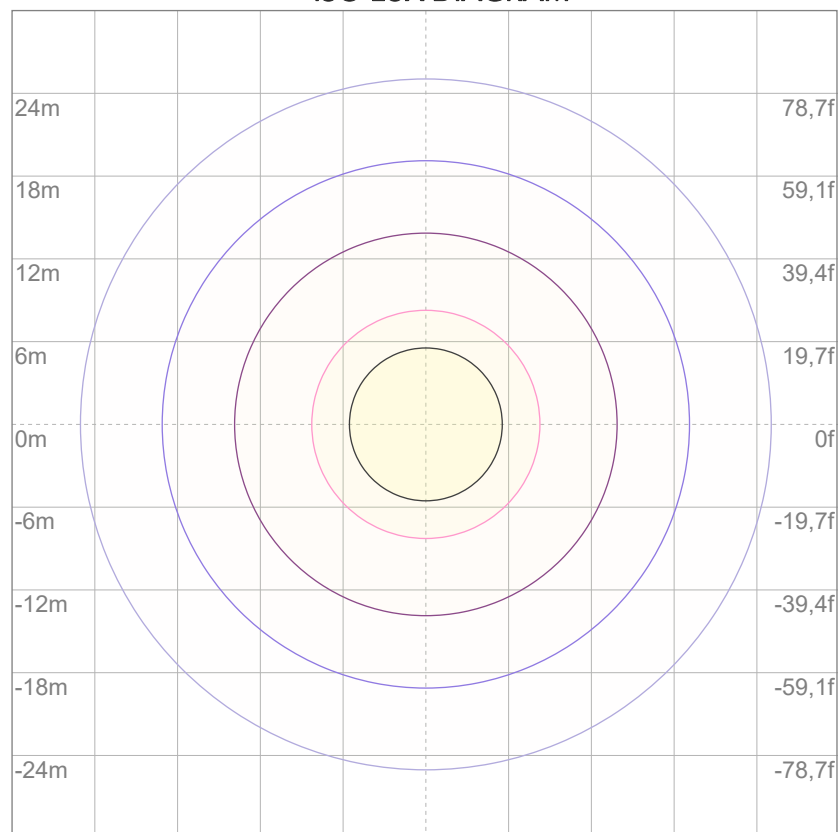
10%	240 cd
20%	480 cd
30%	721 cd
40%	961 cd
50%	1201 cd
60%	1441 cd
70%	1682 cd
80%	1922 cd

Conditions:

Number of c-planes: 2

Candela at center: 2402 cd

ISO LUX DIAGRAM



3%	0,721 lx
5%	1,20 lx
10%	2,40 lx
30%	7,21 lx
50%	12,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 24,0 lx

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



Total lumen output:

3875 lm

Peak candela output:

8110 cd

Light quality:

CRI: 83,5

Color temperature:

2882 K

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60° Filter

Target:

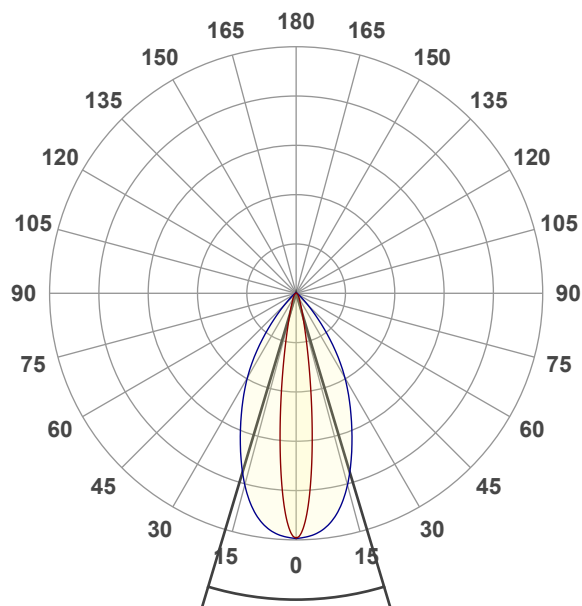
White

Operator:

Salvatore Giglio

Date and time:

09/02/2024 10:44:22

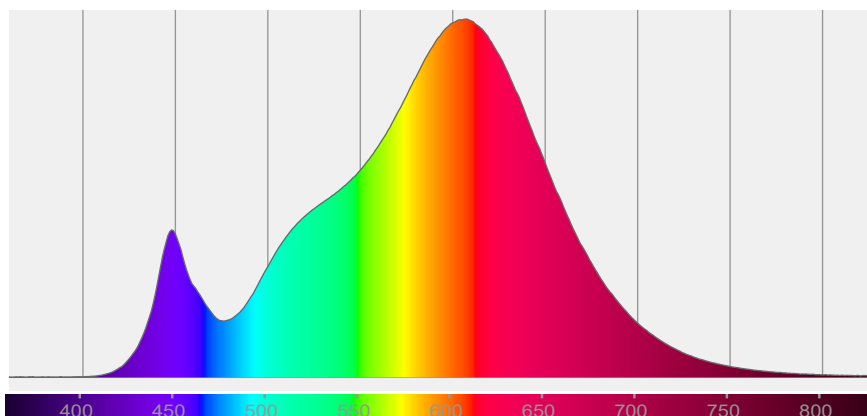


Beam angle 50%: 33,4°

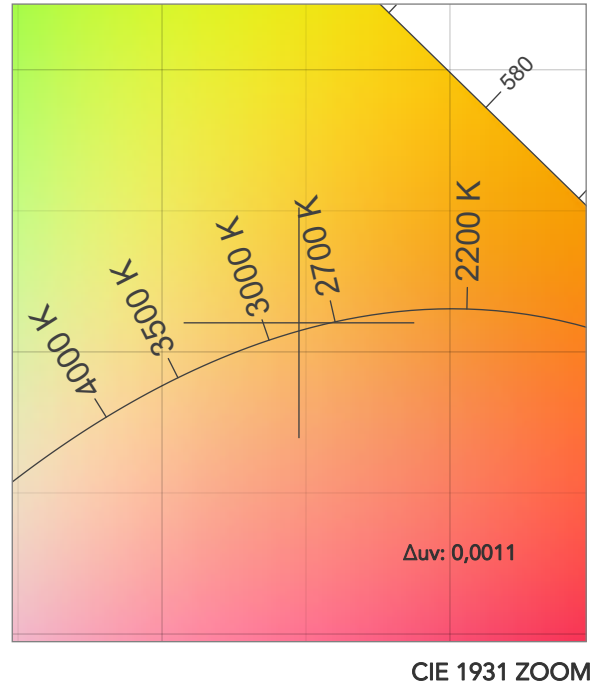
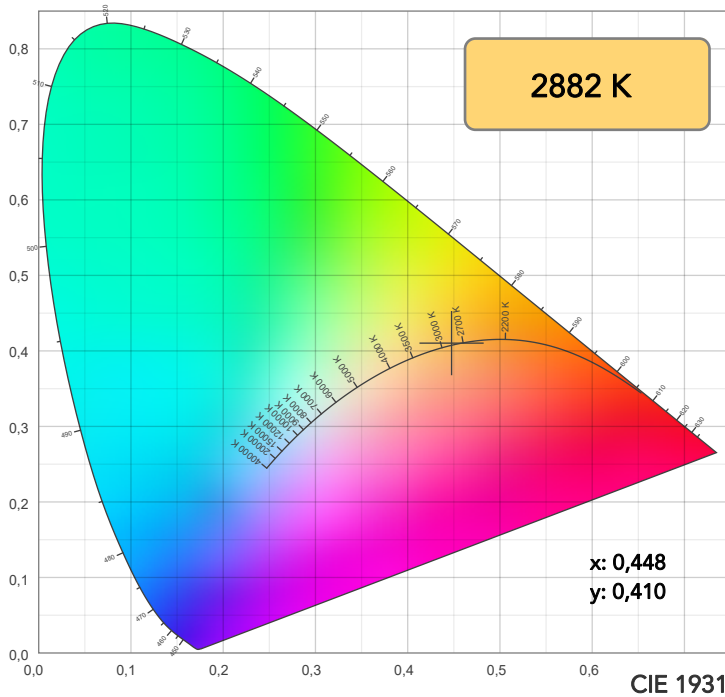
Field angle 10%: 58,7°

Cut off angle 2.5%: 82,9°

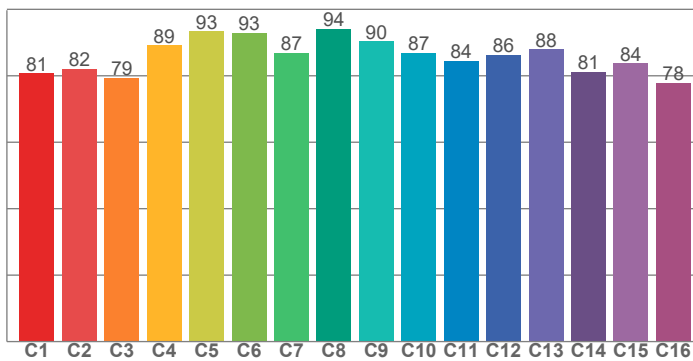
Spectra



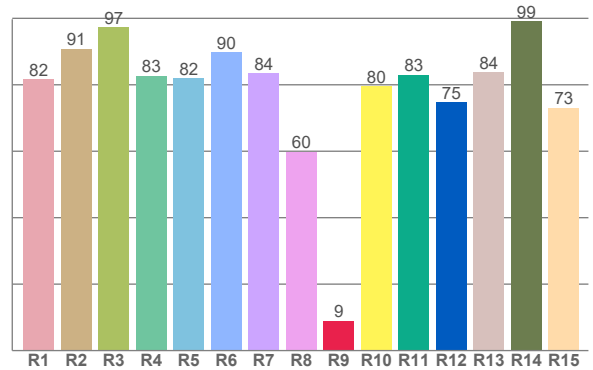
COLOR DETAILS



TM30: 86,0



CRI: 83,5 (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
81,8	90,8	97,4	82,7	82,0	89,8	83,5	59,8	9,0	79,6	83,0	74,8	83,9	99,1	73,1

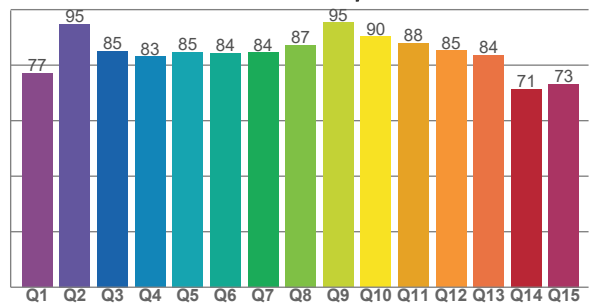
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,7	82,1	79,4	89,1	93,3	92,9	86,9	94,1	90,3	86,9	84,4	86,3	88,0	81,2	83,8	77,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,0	94,8	85,1	83,0	84,7	84,4	84,5	87,2	95,3	90,3	87,9	85,2	83,6	71,4	73,3

CQS: 83,0



COLOR PARAMETERS

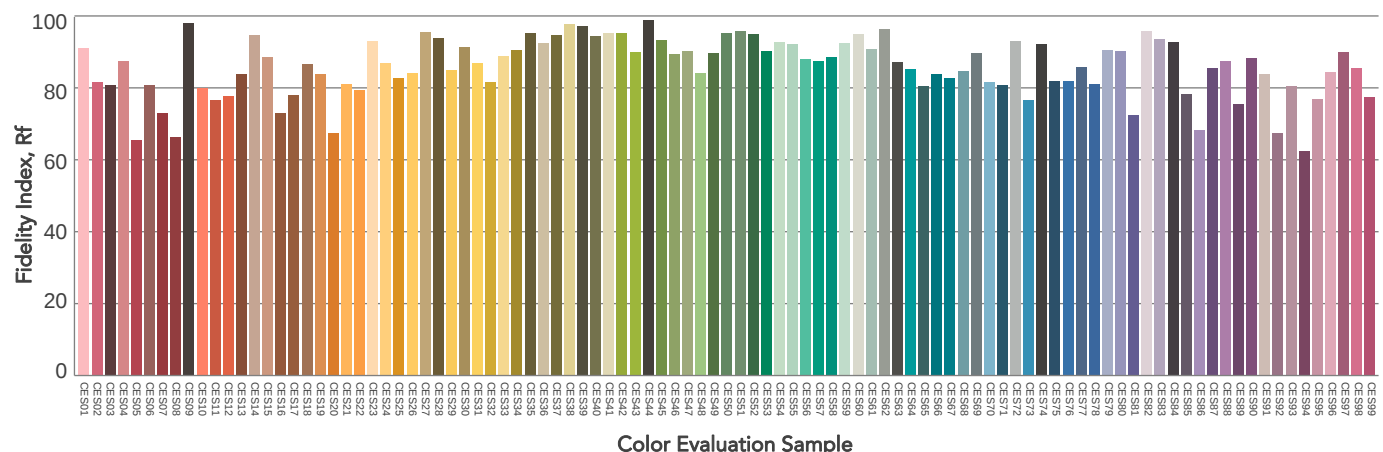
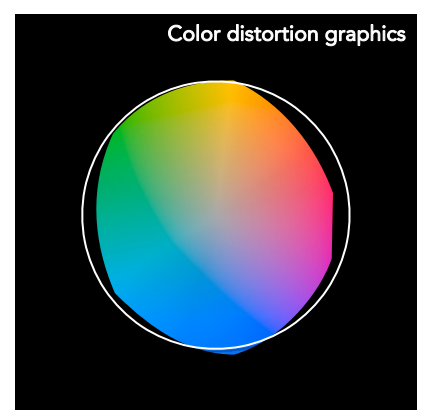
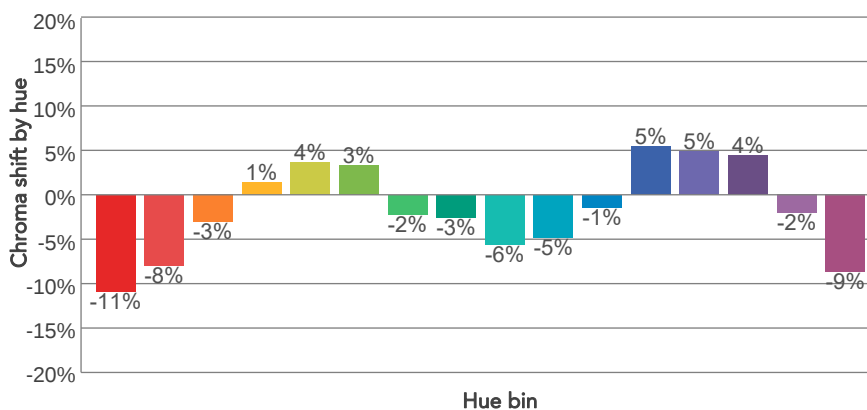
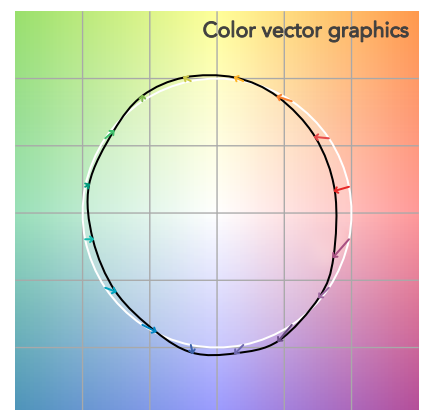
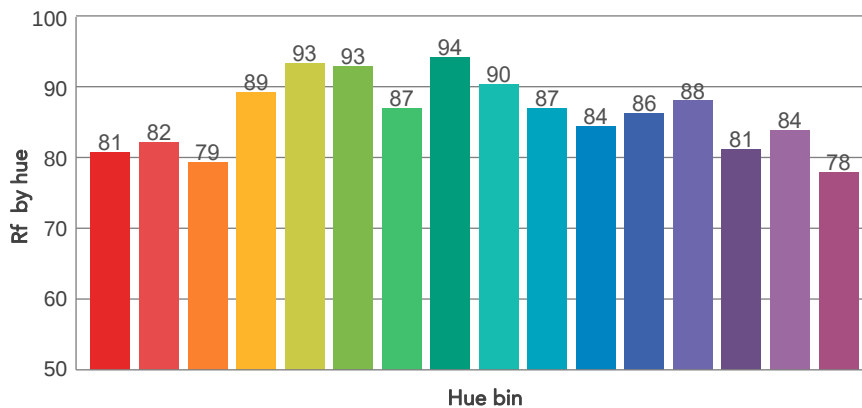
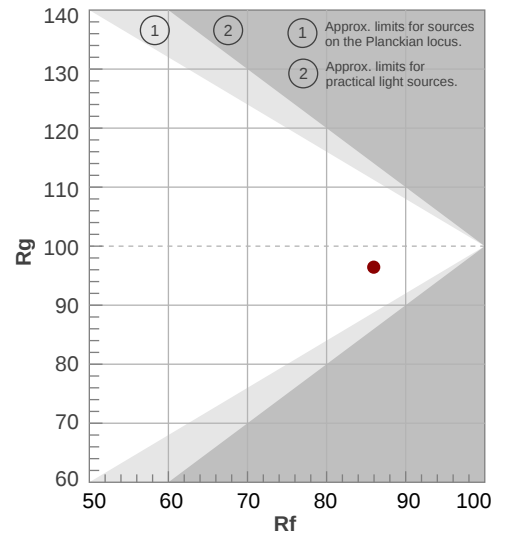
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2882 K	83,5	9,0	86,0	96,4	83,0	69	0,448	0,410	0,0011

TM30 DETAILS

Rf 86,0
Fidelity index Rf

Rg 96,4
Gammut index

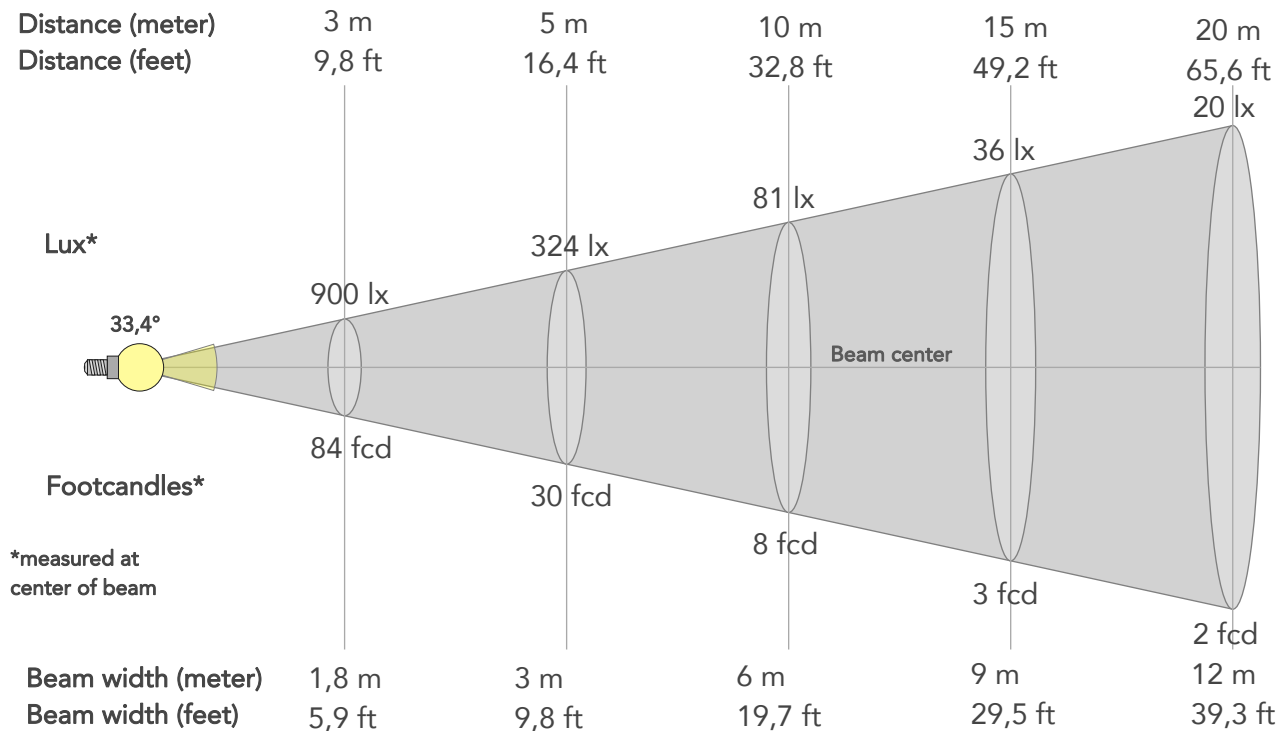
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	82	-8%	7%
3	79	-3%	11%
4	89	1%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-3%	-2%
9	90	-6%	1%
10	87	-5%	7%
11	84	-1%	11%
12	86	5%	2%
13	88	5%	-7%
14	81	4%	-15%
15	84	-2%	-10%
16	78	-9%	-15%



BEAM DETAILS



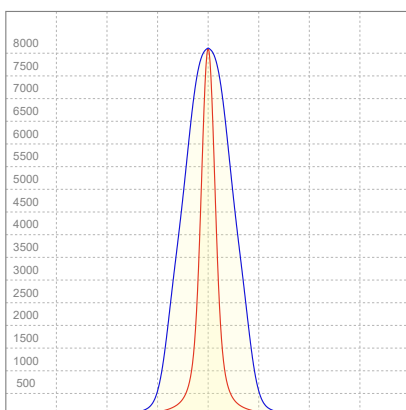
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,7°	82,9°	97,6%	92,5%



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	8098lx	2024lx	900lx	506lx	324lx	144lx	81lx	36lx	20lx	13lx	9lx	5lx	3lx
Footcand.	752fcd	188fcd	84fcd	47fcd	30fcd	13fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,7ft	19,7ft	29,5ft	39,3ft	49,2ft	59ft	78,7ft	98,3ft

LINEAR DISTRIBUTION DIAGRAM

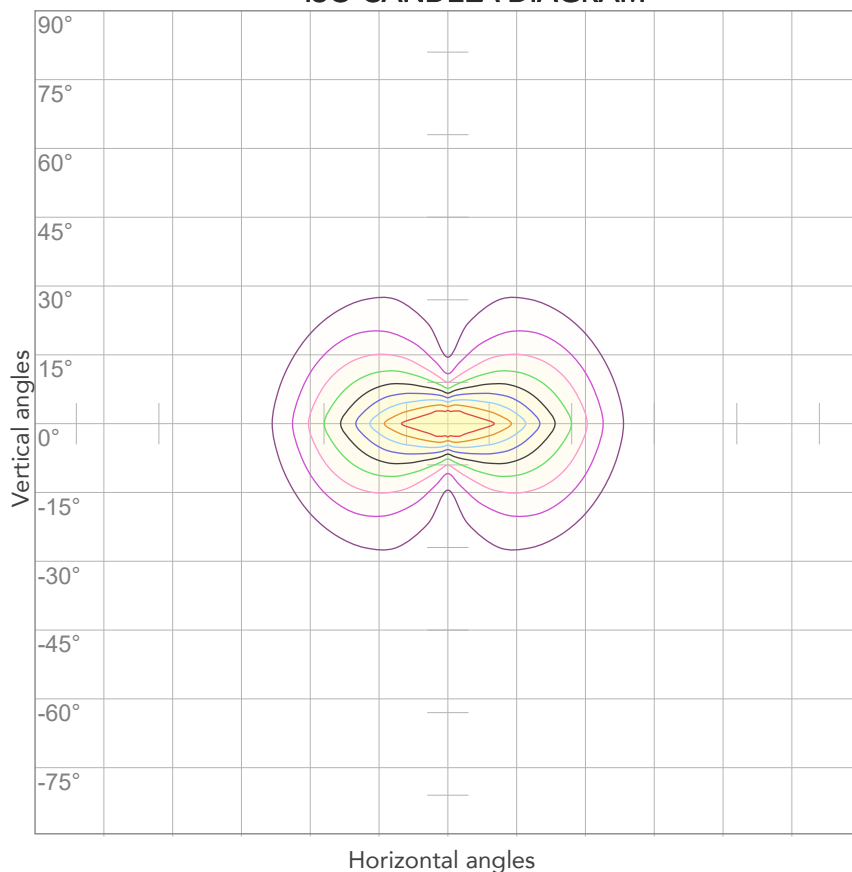


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,226A	43,8W	0,86	89lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



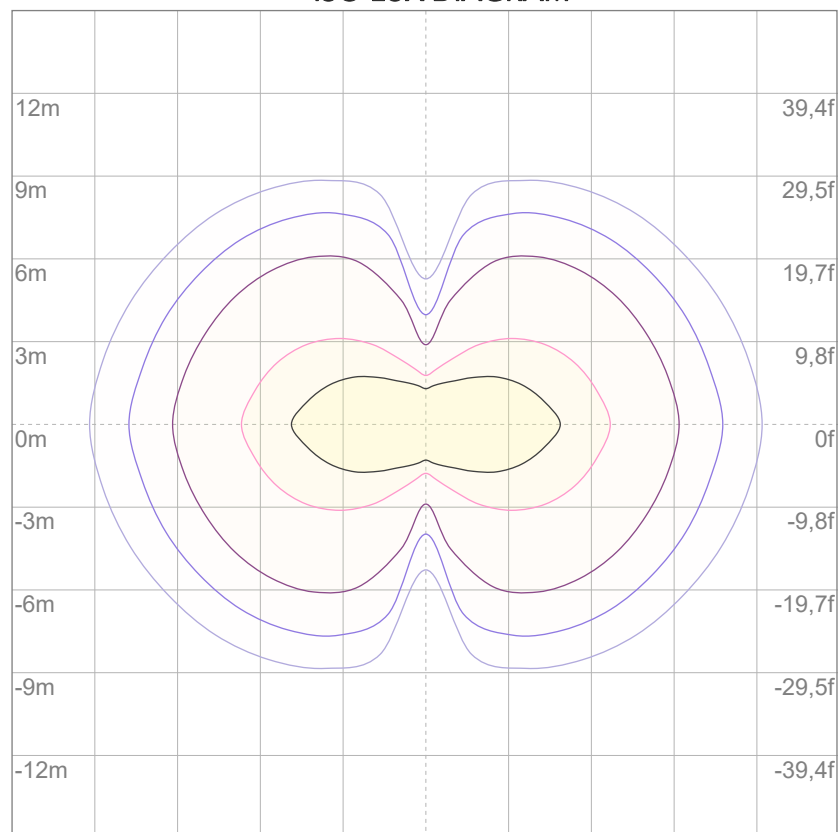
10%	810 cd
20%	1620 cd
30%	2429 cd
40%	3239 cd
50%	4049 cd
60%	4859 cd
70%	5669 cd
80%	6478 cd

Conditions:

Number of c-planes: 4

Candela at center: 8098 cd

ISO LUX DIAGRAM



3%	2,43 lx
5%	4,05 lx
10%	8,10 lx
30%	24,3 lx
50%	40,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 81,0 lx

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



Total lumen output:

2998 lm

Peak candela output:

4265 cd

Light quality:

CRI: 83,6

Color temperature:

2891 K

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

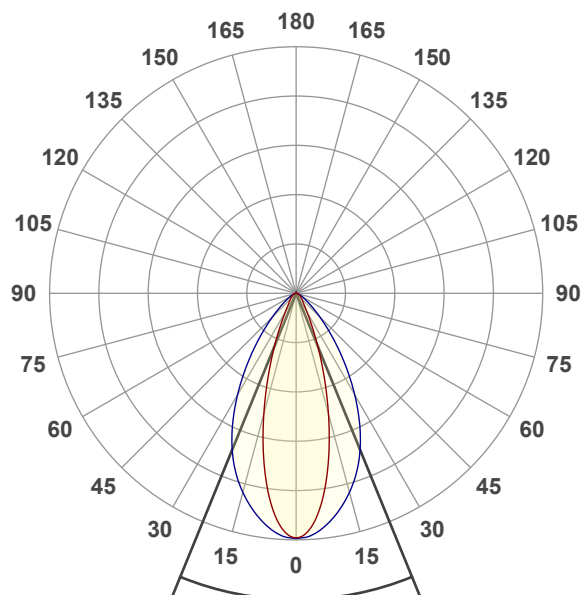
White

Operator:

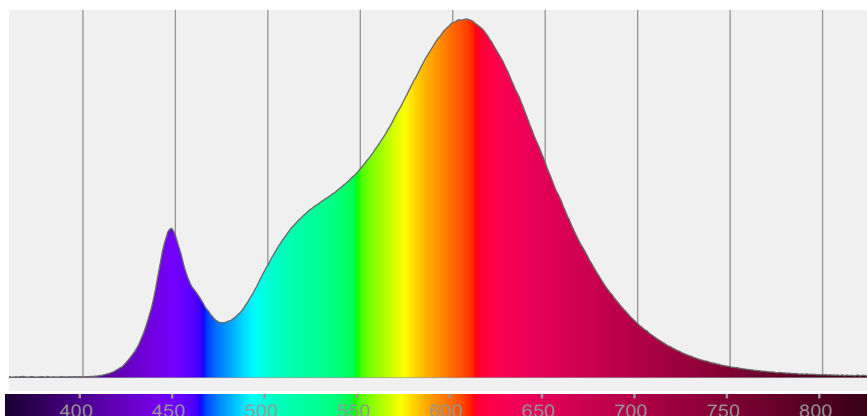
Salvatore Giglio

Date and time:

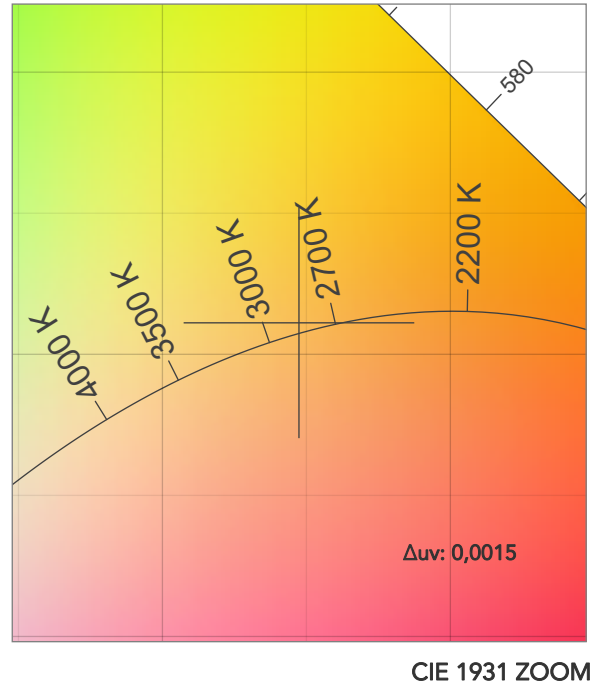
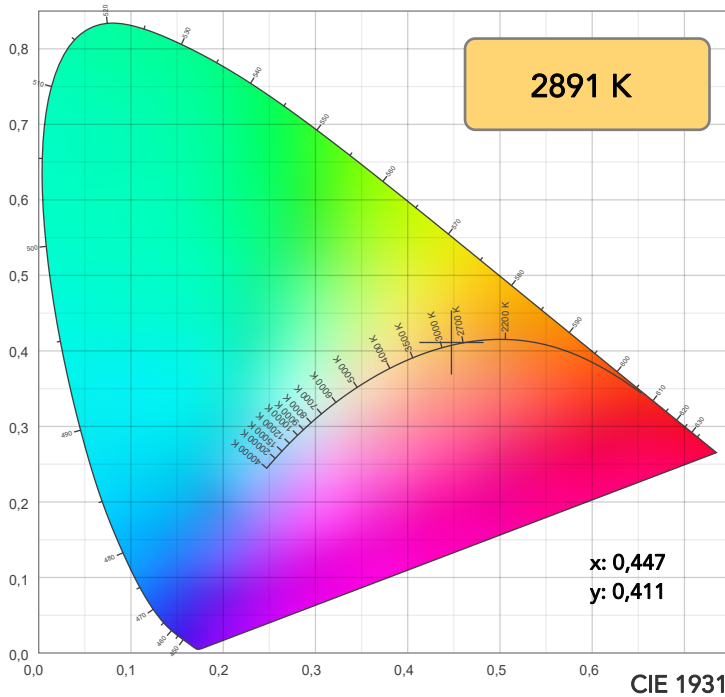
08/02/2024 18:11:10



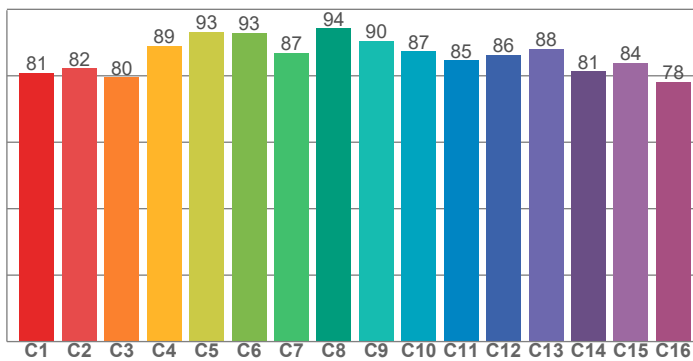
Spectra



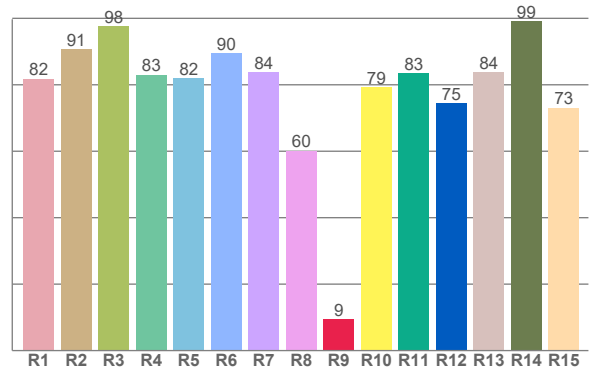
COLOR DETAILS



TM30: 86,1



CRI: 83,6 (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
81,8	90,7	97,6	83,1	82,0	89,6	83,8	60,2	9,3	79,2	83,5	74,5	83,8	99,1	73,1

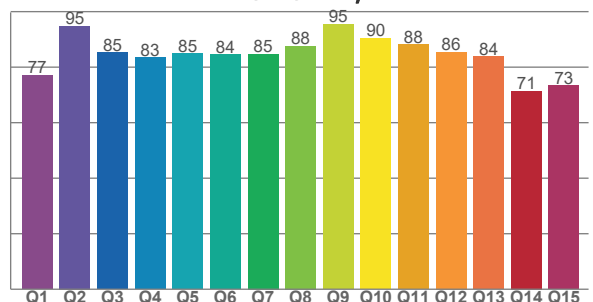
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,8	82,3	79,6	89,1	93,2	92,9	86,9	94,3	90,5	87,3	84,6	86,4	88,1	81,4	83,8	78,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,1	94,9	85,3	83,4	84,9	84,5	84,7	87,6	95,4	90,4	88,2	85,5	83,9	71,4	73,3

CQS: 83,2



COLOR PARAMETERS

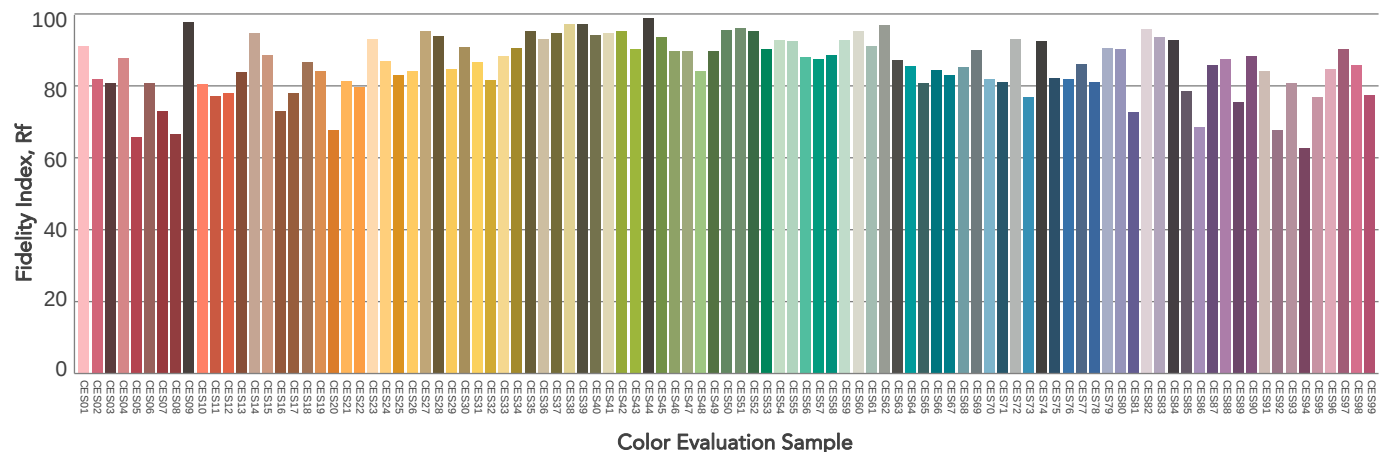
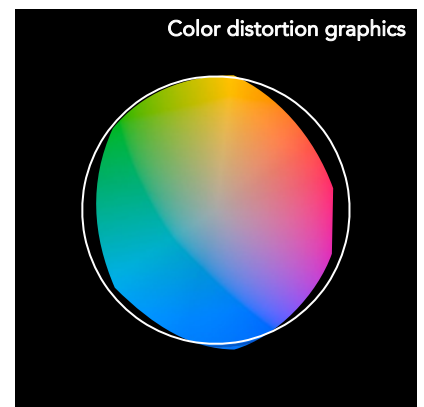
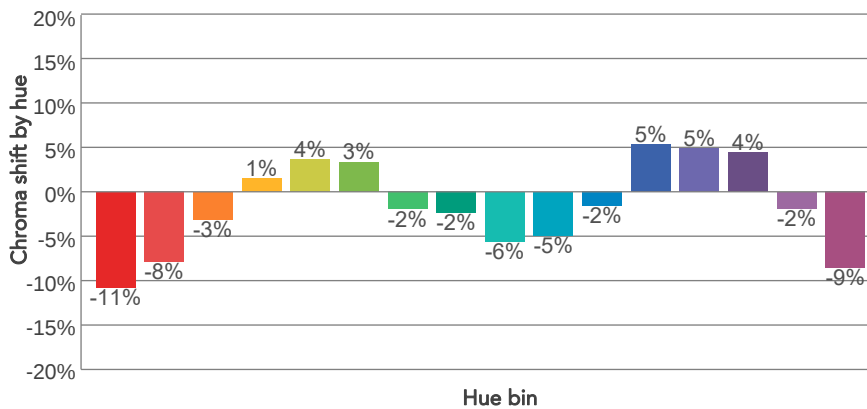
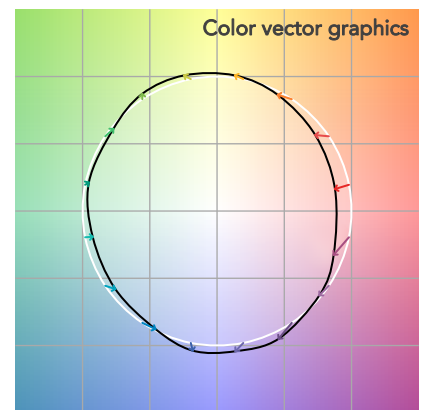
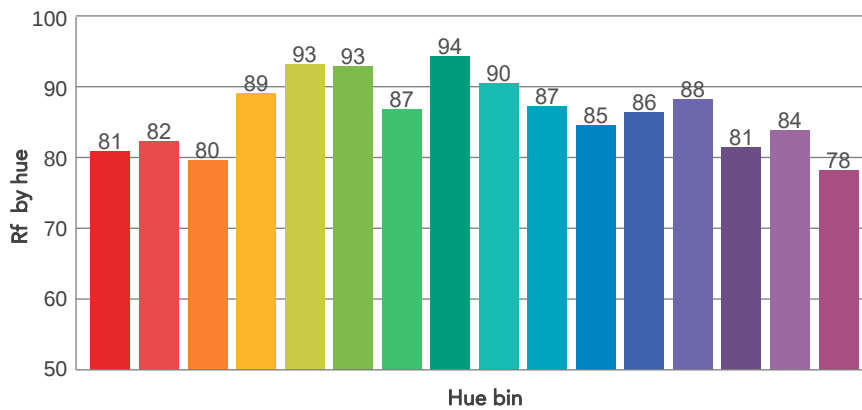
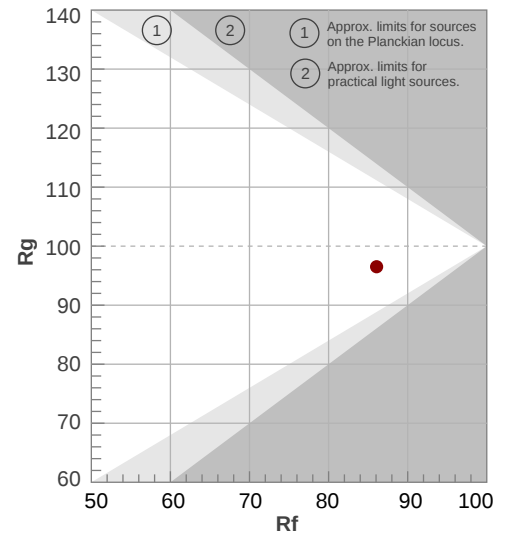
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2891 K	83,6	9,3	86,1	96,5	83,2	69	0,447	0,411	0,0015

TM30 DETAILS

Rf 86,1
Fidelity index Rf

Rg 96,5
Gammut index

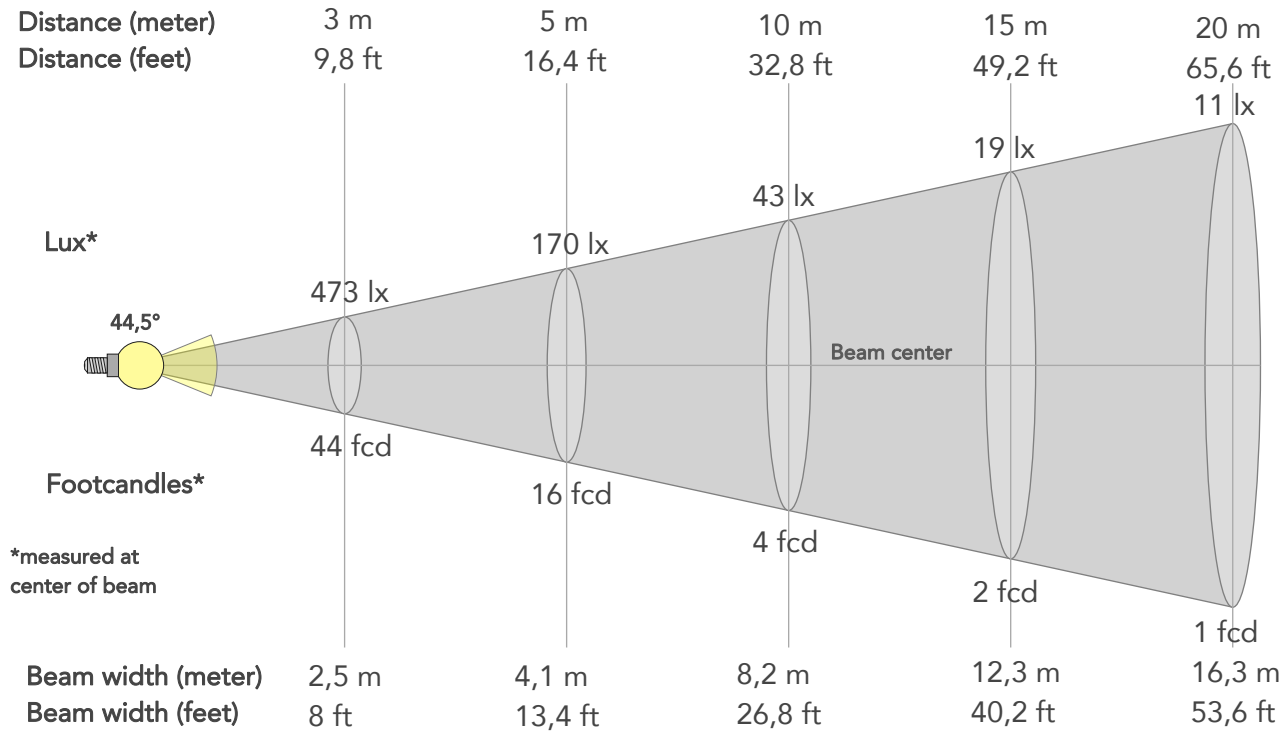
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	89	1%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-2%	-2%
9	90	-6%	1%
10	87	-5%	6%
11	85	-2%	11%
12	86	5%	2%
13	88	5%	-7%
14	81	4%	-15%
15	84	-2%	-10%
16	78	-9%	-15%



BEAM DETAILS



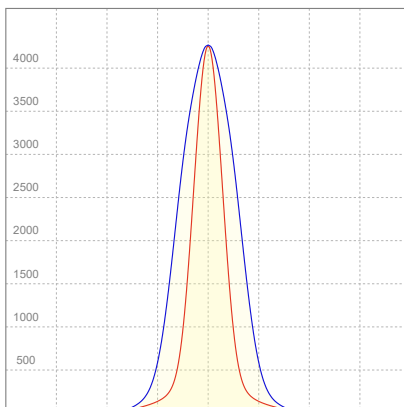
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,5°	77,1°	113,3°	96,3%	87,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4260lx	1065lx	473lx	266lx	170lx	76lx	43lx	19lx	11lx	7lx	5lx	3lx	2lx
Footcand.	396fcd	99fcd	44fcd	25fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,1m	8,2m	12,3m	16,3m	20,4m	24,5m	32,7m	40,9m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20,1ft	26,8ft	40,2ft	53,6ft	67ft	80,4ft	107,2ft	134ft

LINEAR DISTRIBUTION DIAGRAM

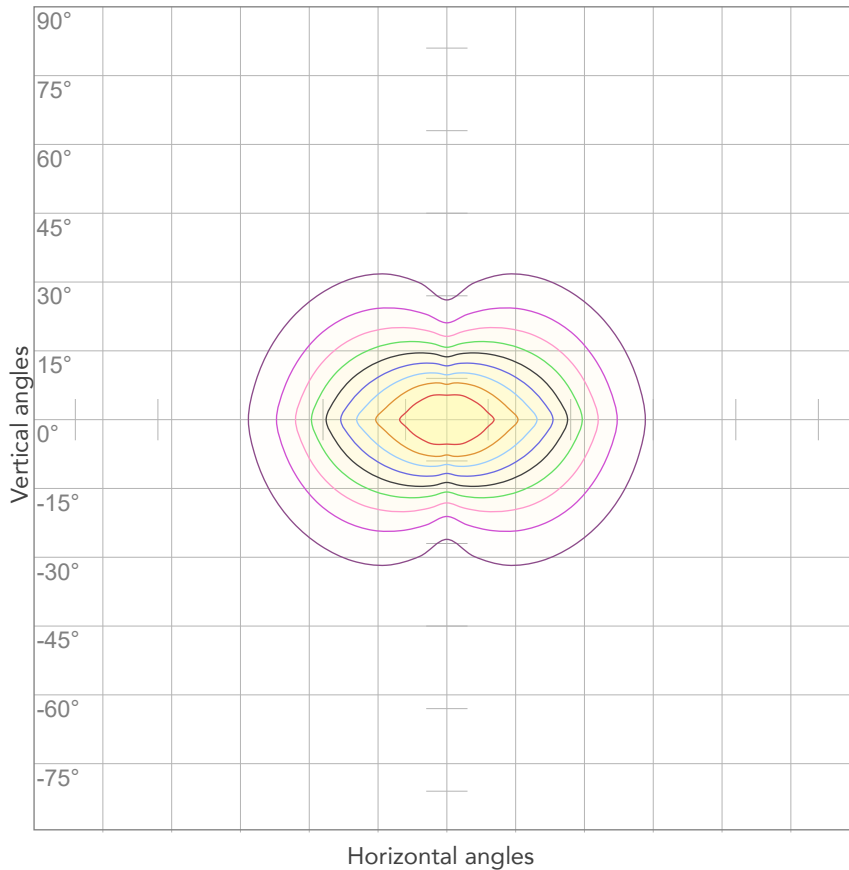


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,229A	44,8W	0,87	67lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



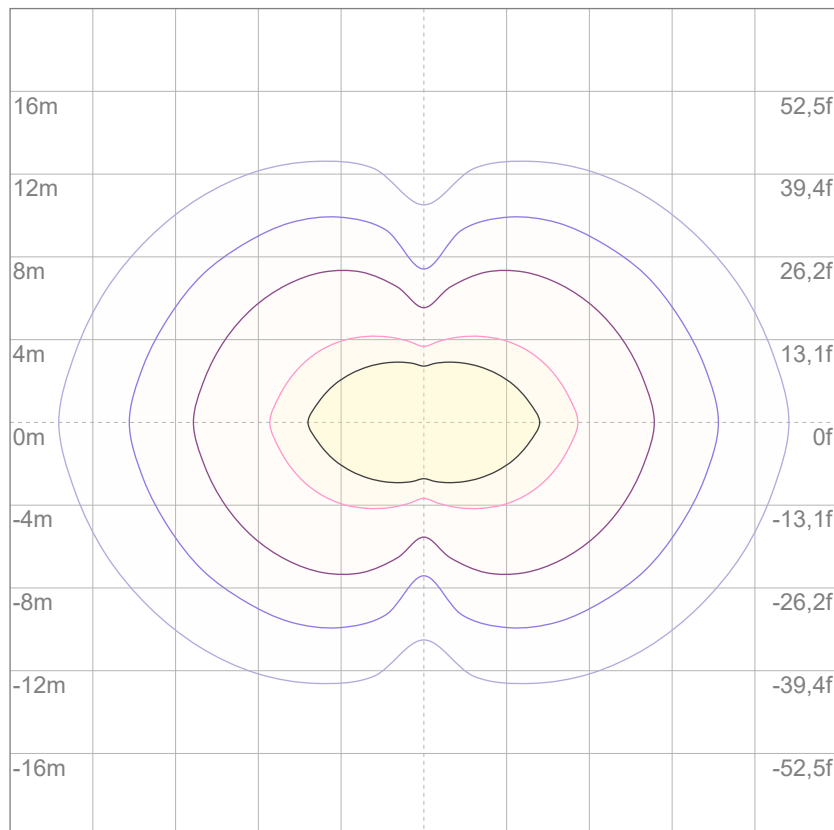
10%	426 cd
20%	852 cd
30%	1278 cd
40%	1704 cd
50%	2130 cd
60%	2556 cd
70%	2982 cd
80%	3408 cd

Conditions:

Number of c-planes: 4

Candela at center: 4260 cd

ISO LUX DIAGRAM



3%	1,28 lx
5%	2,13 lx
10%	4,26 lx
30%	12,8 lx
50%	21,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 42,6 lx

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