



Photometric Test Report



SUNBAR2000FC

126K lumens RGBW LED graphic strobe batten
with interchangeable lenses

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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:

19183 lm

Peak candela output:

32405 cd



PRODUCT NAME:

SUNBAR2000FC

MEASURAMENT CONDITIONS:

Beam angle:

With Lens

Target:

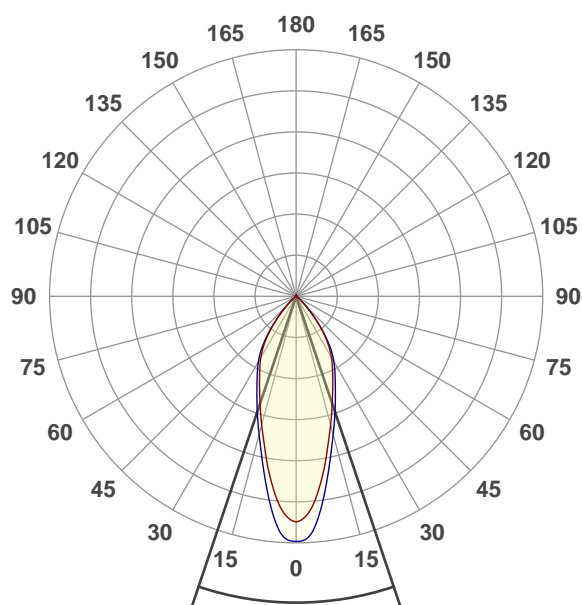
Full On

Operator:

Paolo Carvone

Date and time:

17/05/2021 16:27:50

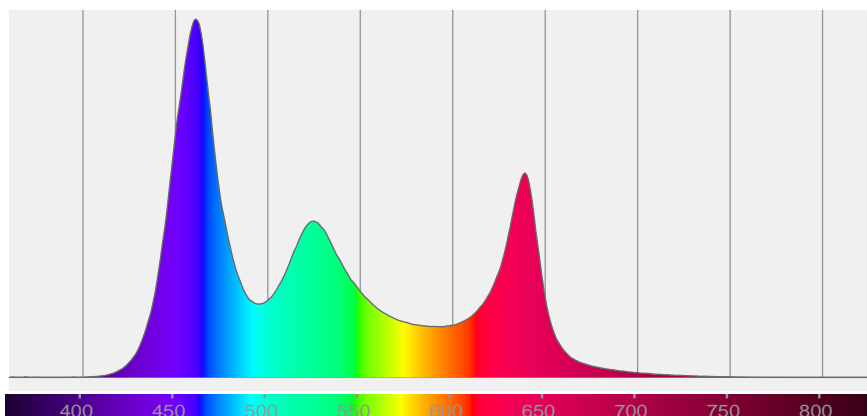


Beam angle 50%: 37,2°

Field angle 10%: 83,8°

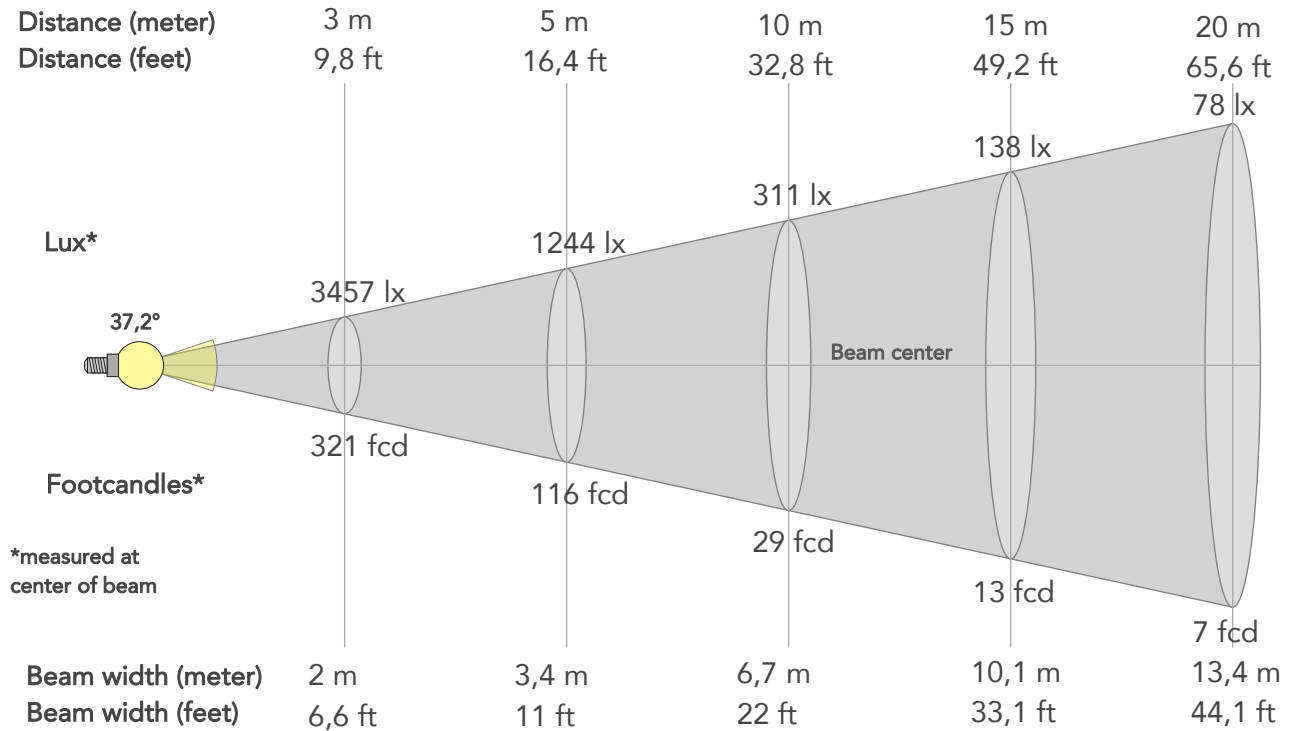
Cut off angle 2.5%: 97,8°

Spectra



BEAM DETAILS

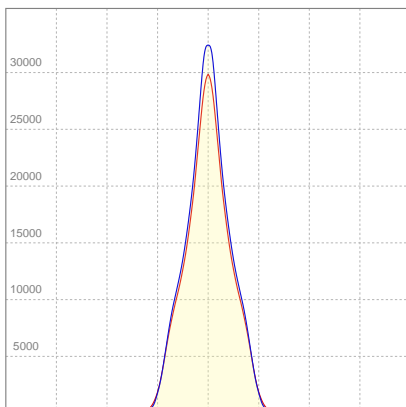
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
37,2°	83,8°	97,8°	100,0%	96,6%



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	31110lx	7778lx	3457lx	1944lx	1244lx	553lx	311lx	138lx	78lx	50lx	35lx	19lx	12lx
Footcand.	2890fcd	723fcd	321fcd	181fcd	116fcd	51fcd	29fcd	13fcd	7fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,7m	1,3m	2m	2,7m	3,4m	5m	6,7m	10,1m	13,4m	16,8m	20,2m	26,9m	33,6m
Beam wid.	2,2ft	4,4ft	6,6ft	8,8ft	11ft	16,5ft	22ft	33,1ft	44,1ft	55,1ft	66,1ft	88,2ft	110,2ft

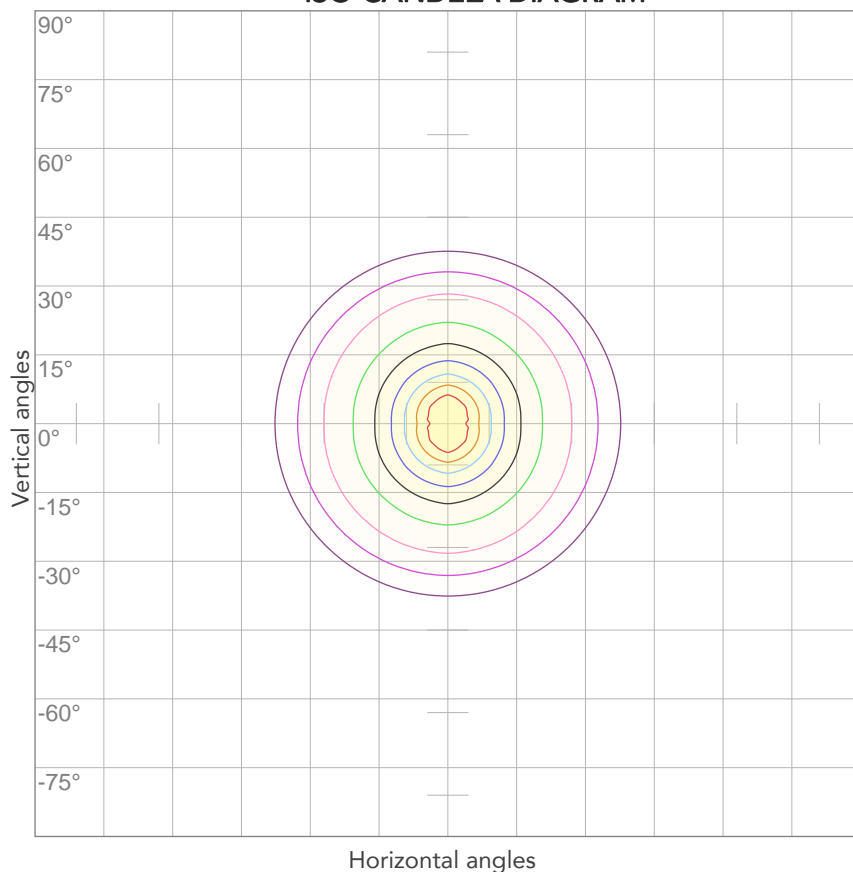
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	2,73A	605,9W	32lm/W
Power FC			
0,98			

ISO CANDELA DIAGRAM



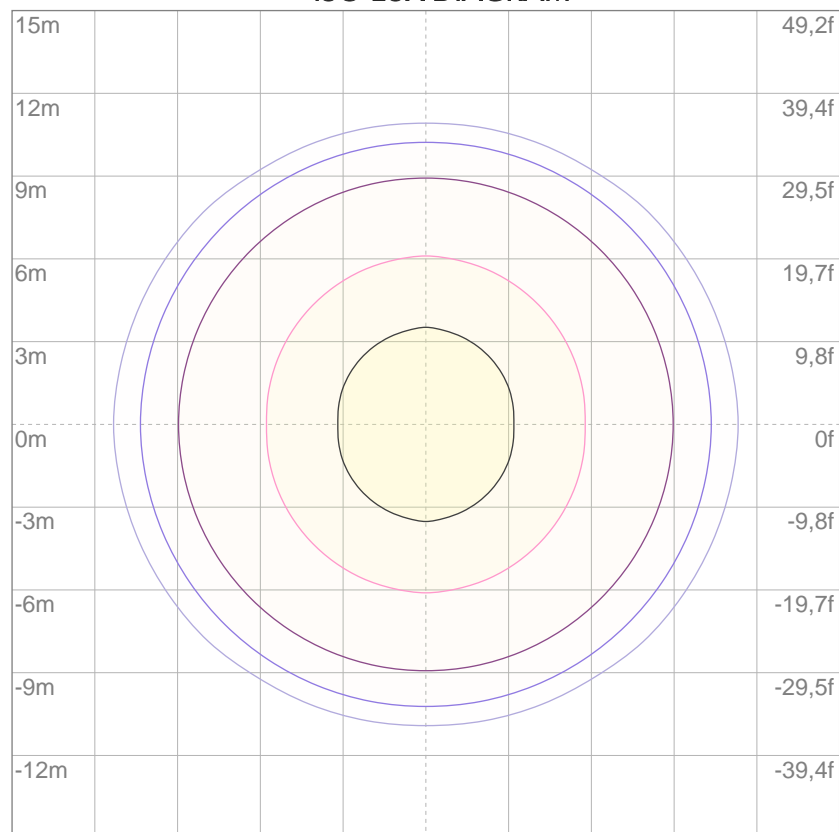
10%	3111 cd
20%	6222 cd
30%	9333 cd
40%	12444 cd
50%	15555 cd
60%	18666 cd
70%	21777 cd
80%	24888 cd

Conditions:

Number of c-planes: 4

Candela at center: 31110 cd

ISO LUX DIAGRAM



3%	9,33 lx
5%	15,6 lx
10%	31,1 lx
30%	93,3 lx
50%	156 lx

Conditions:

Number of c-planes: 4

Lux at center: 311 lx

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

Total lumen output:

25774 lm

Peak candela output:

9081 cd



PRODUCT NAME:

SUNBAR2000FC

MEASURAMENT CONDITIONS:

Beam angle:

Without Lens

Target:

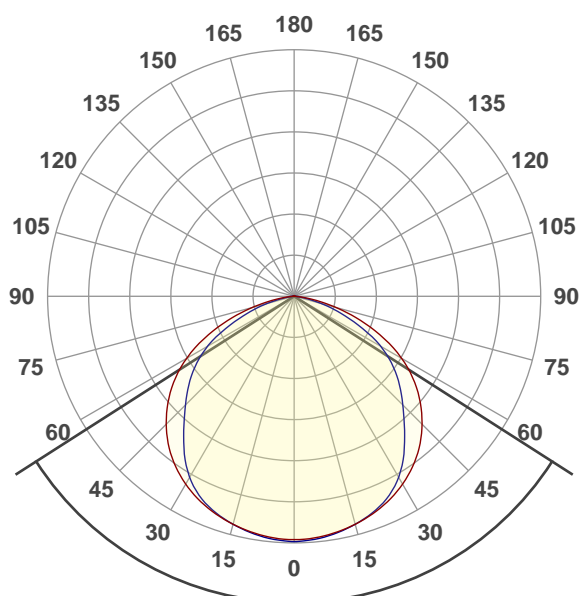
Full On

Operator:

Paolo Carvone

Date and time:

17/05/2021 16:39:32

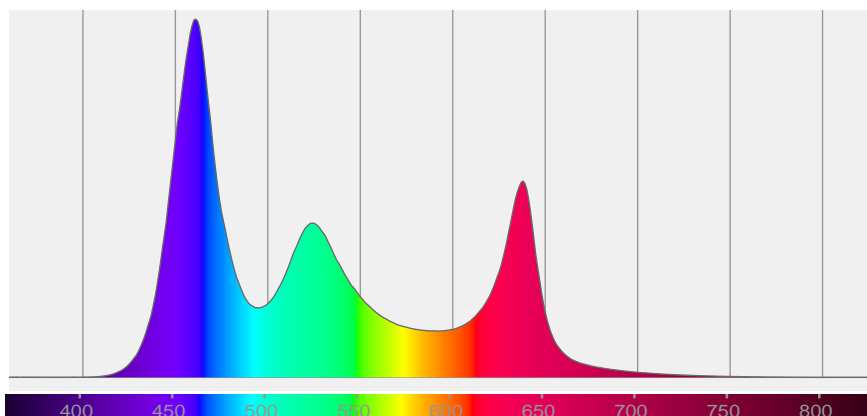


Beam angle 50%: 114,7°

Field angle 10%: 155°

Cut off angle 2.5%: 166,5°

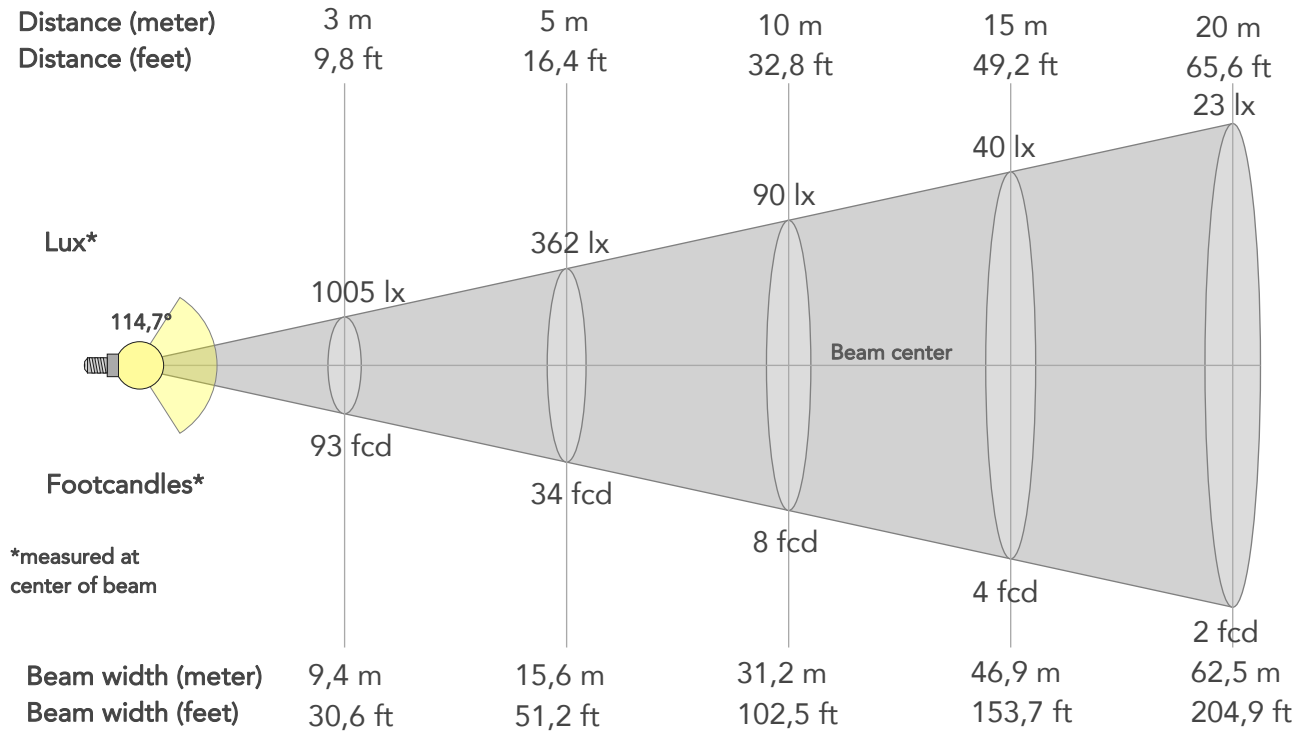
Spectra



BEAM DETAILS



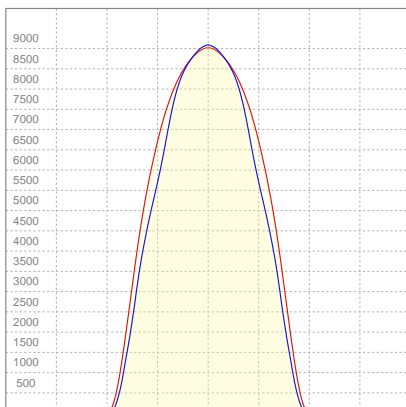
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
114,7°	155°	166,5°	81,2%	54,9%



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	9045lx	2261lx	1005lx	565lx	362lx	161lx	90lx	40lx	23lx	14lx	10lx	6lx	4lx
Footcand.	840fcd	210fcd	93fcd	53fcd	34fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	3,1m	6,2m	9,4m	12,5m	15,6m	23,4m	31,2m	46,9m	62,5m	78,1m	93,7m	125m	156,2m
Beam wid.	10,3ft	20,6ft	30,6ft	40,9ft	51,2ft	76,9ft	102,5ft	153,7ft	204,9ft	256,2ft	307,4ft	409,9ft	512,3ft

LINEAR DISTRIBUTION DIAGRAM

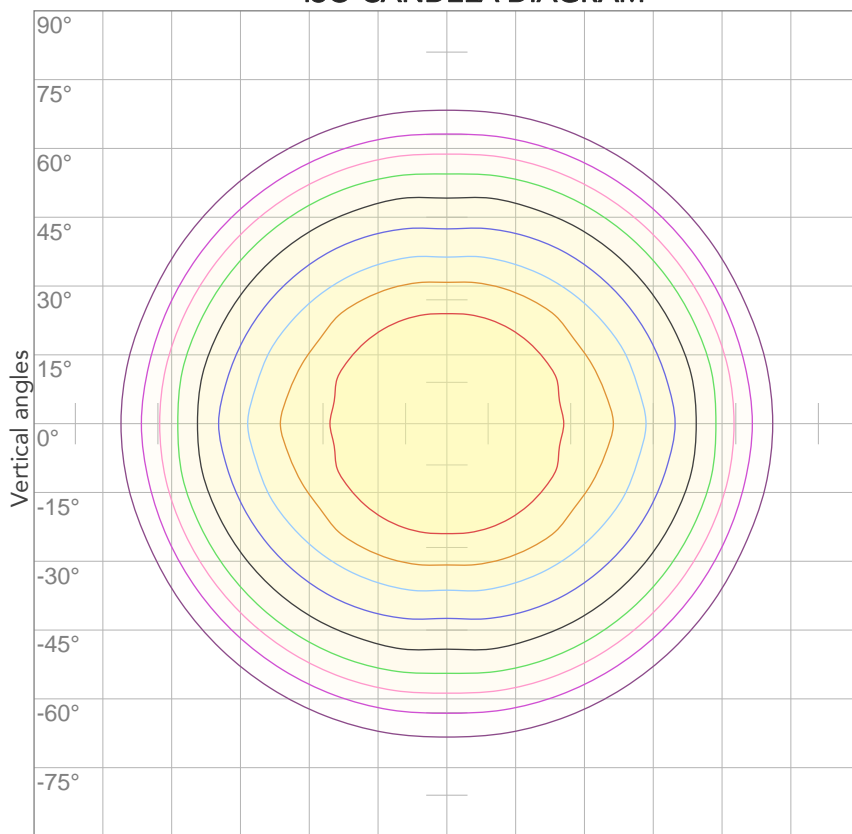


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	2,77A	609,3W	42lm/W

Power FC
0,98

ISO CANDELA DIAGRAM



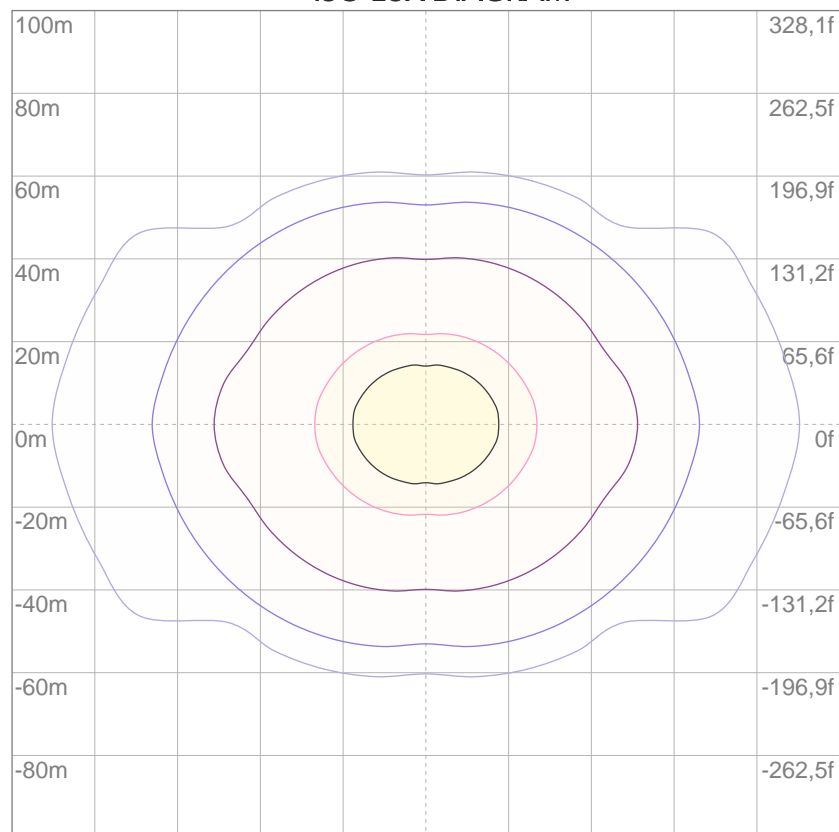
10%	905 cd
20%	1809 cd
30%	2714 cd
40%	3618 cd
50%	4523 cd
60%	5427 cd
70%	6332 cd
80%	7236 cd

Conditions:

Number of c-planes: 4

Candela at center: 9045 cd

ISO LUX DIAGRAM



3%	2,71 lx
5%	4,52 lx
10%	9,05 lx
30%	27,1 lx
50%	45,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 90,5 lx

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

Mounting height: 10 meters (33 feet)

Total lumen output:

3848 lm

Peak candela output:

10829 cd



PRODUCT NAME:

SUNBAR2000FC

MEASURAMENT CONDITIONS:

Beam angle:

With Lens

Target:

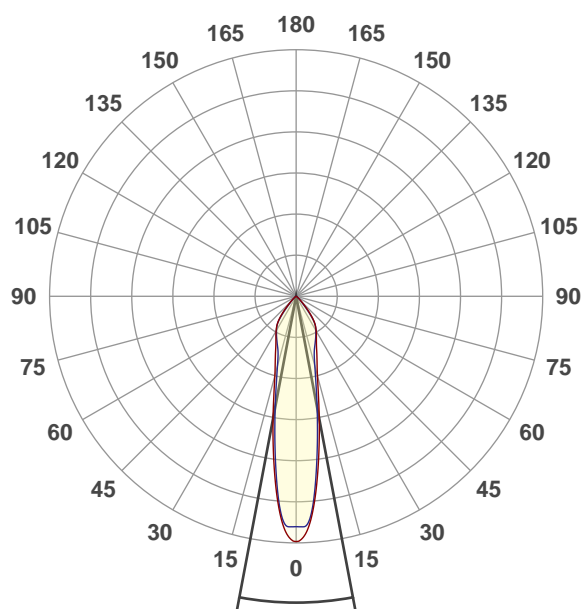
Red

Operator:

Paolo Carvone

Date and time:

17/05/2021 16:12:19

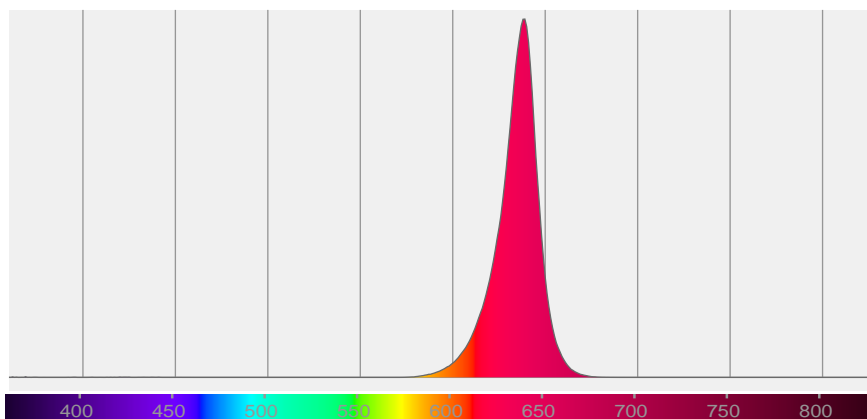


Beam angle 50%: 21,4°

Field angle 10%: 75,6°

Cut off angle 2.5%: 91,8°

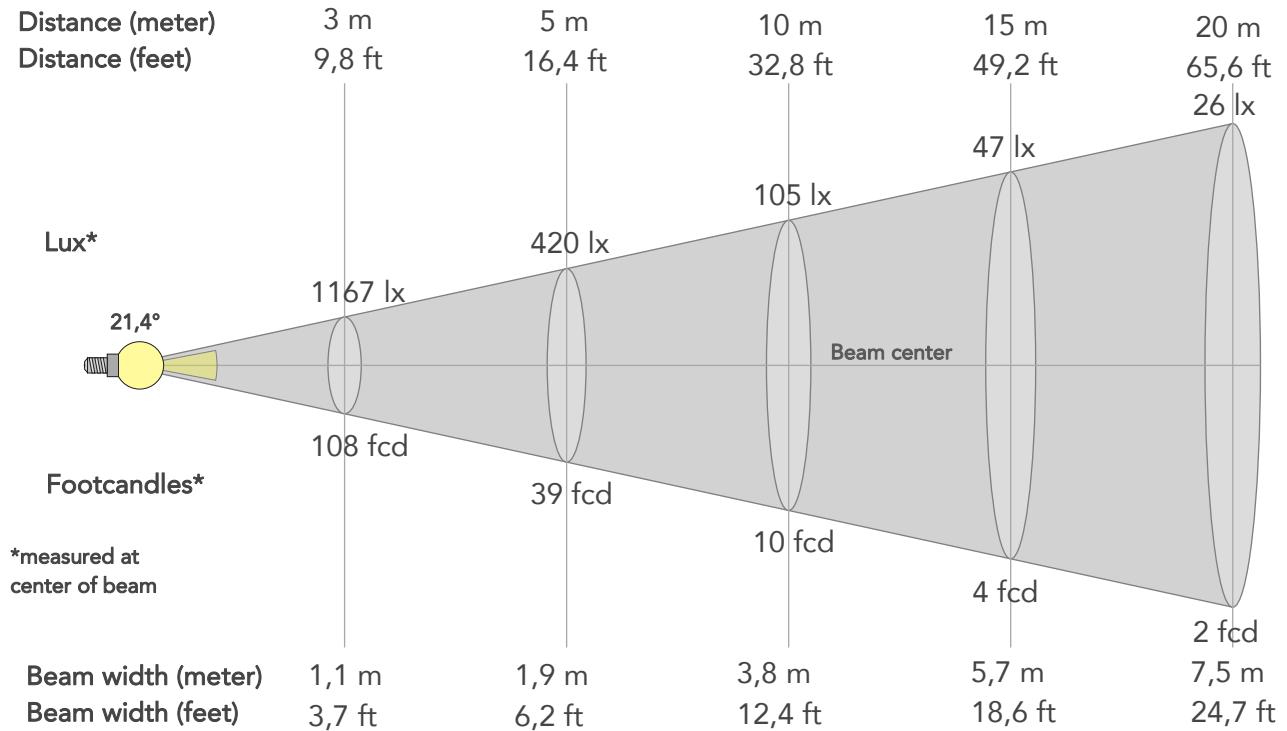
Spectra



BEAM DETAILS



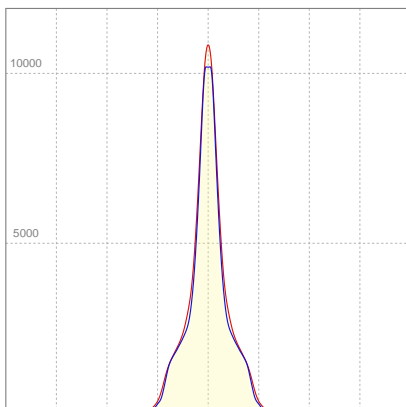
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,4°	75,6°	91,8°	99,7%	96,2%



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	10505lx	2626lx	1167lx	657lx	420lx	187lx	105lx	47lx	26lx	17lx	12lx	7lx	4lx
Footcand.	976fcd	244fcd	108fcd	61fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,5m	9,4m	11,3m	15,1m	18,9m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,2ft	9,3ft	12,4ft	18,6ft	24,7ft	30,9ft	37,1ft	49,5ft	61,9ft

LINEAR DISTRIBUTION DIAGRAM

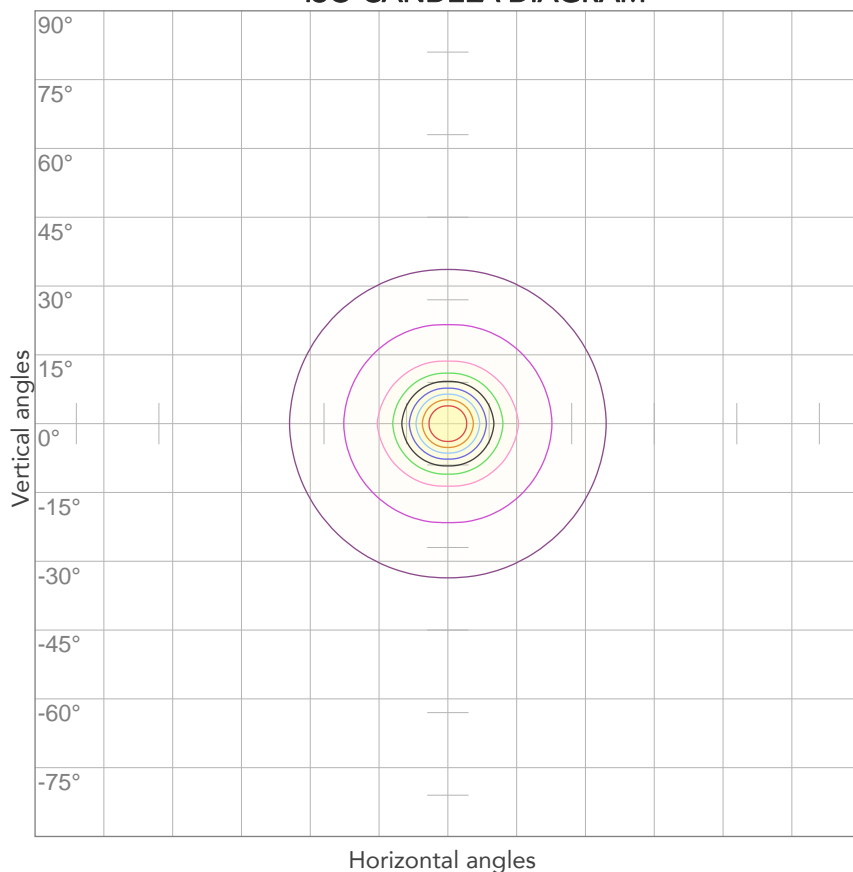


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,07A	223,3W	17lm/W

Power FC
0,92

ISO CANDELA DIAGRAM



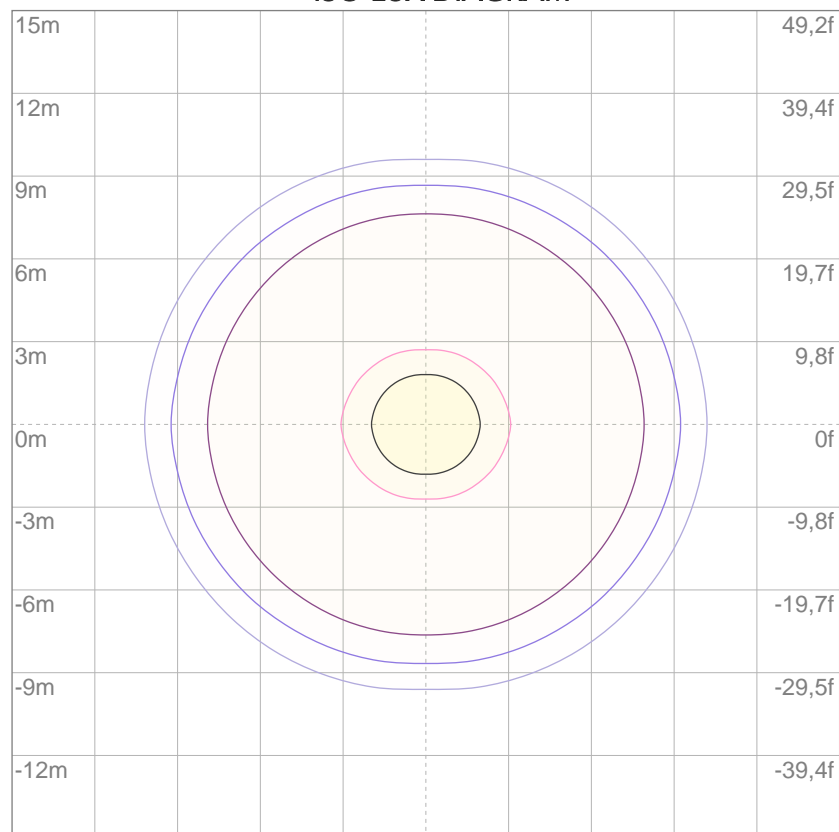
10%	1051 cd
20%	2101 cd
30%	3152 cd
40%	4202 cd
50%	5253 cd
60%	6303 cd
70%	7354 cd
80%	8404 cd

Conditions:

Number of c-planes: 4

Candela at center: 10505 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 4

Lux at center: 105 lx

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

Total lumen output:

4653 lm

Peak candela output:

1597 cd



PRODUCT NAME:

SUNBAR2000FC

MEASURAMENT CONDITIONS:

Beam angle:

Without Lens

Target:

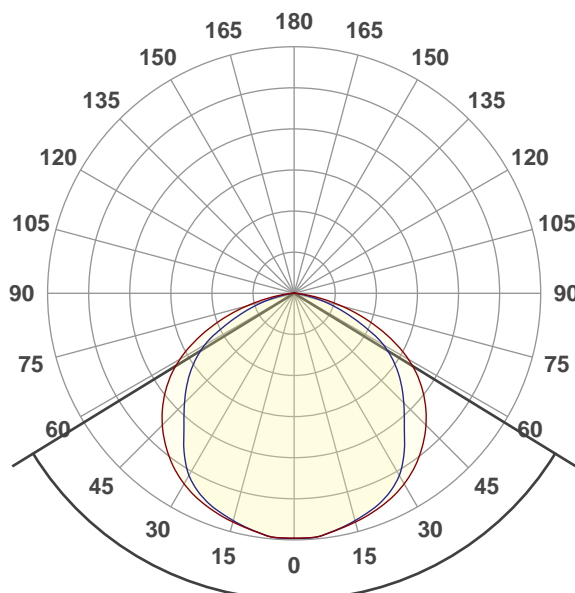
Red

Operator:

Paolo Carvone

Date and time:

17/05/2021 16:43:47

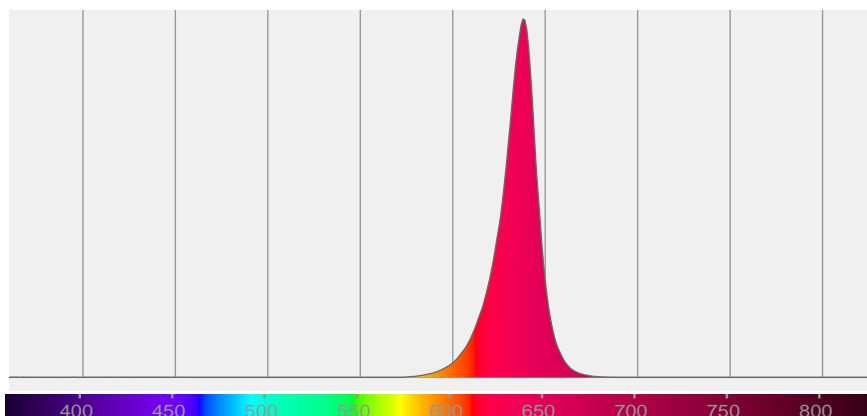


Beam angle 50%: 116,9°

Field angle 10%: 156°

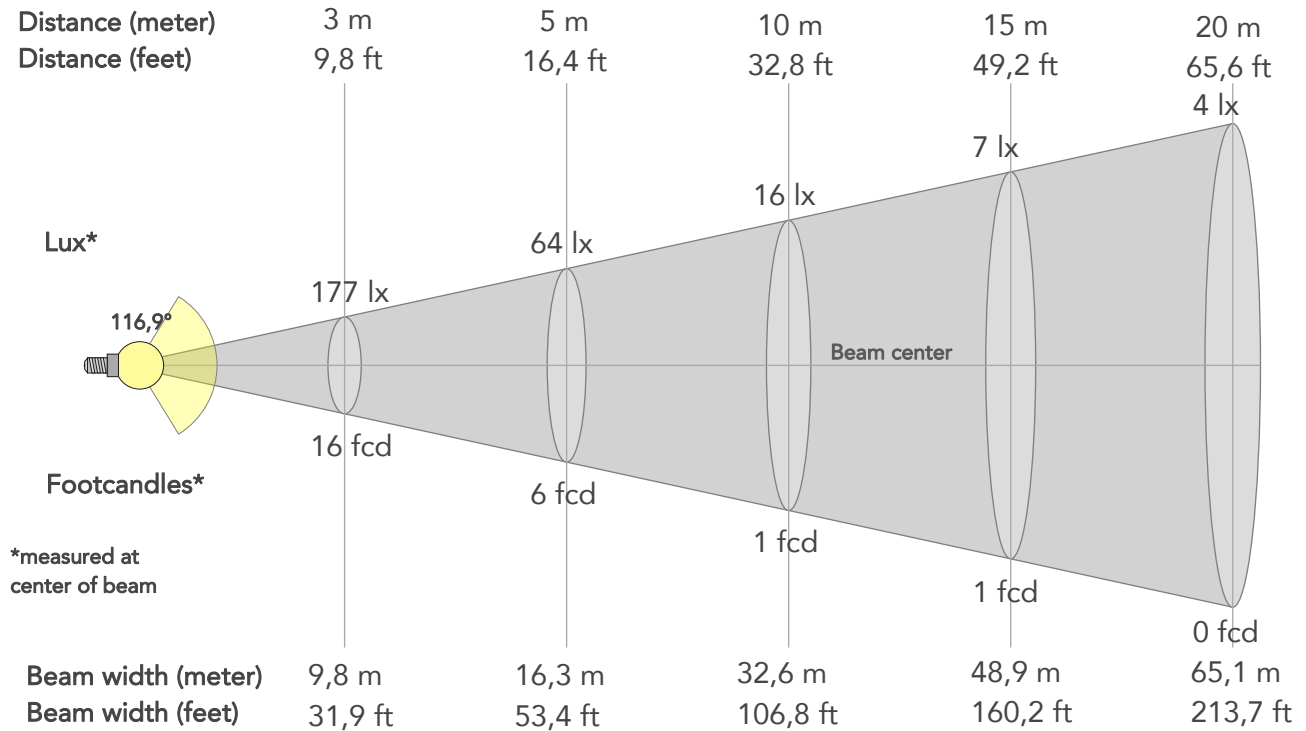
Cut off angle 2.5%: 167°

Spectra



BEAM DETAILS

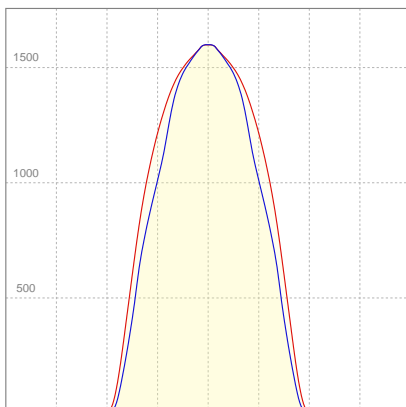
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116,9°	156°	167°	80,4%	53,9%



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	1596lx	399lx	177lx	100lx	64lx	28lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	148fcd	37fcd	16fcd	9fcd	6fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,3m	6,5m	9,8m	13m	16,3m	24,4m	32,6m	48,9m	65,1m	81,4m	97,7m	130,3m	162,8m
Beam wid.	10,7ft	21,5ft	31,9ft	42,7ft	53,4ft	80,1ft	106,8ft	160,2ft	213,7ft	267,1ft	320,5ft	427,3ft	534,1ft

LINEAR DISTRIBUTION DIAGRAM

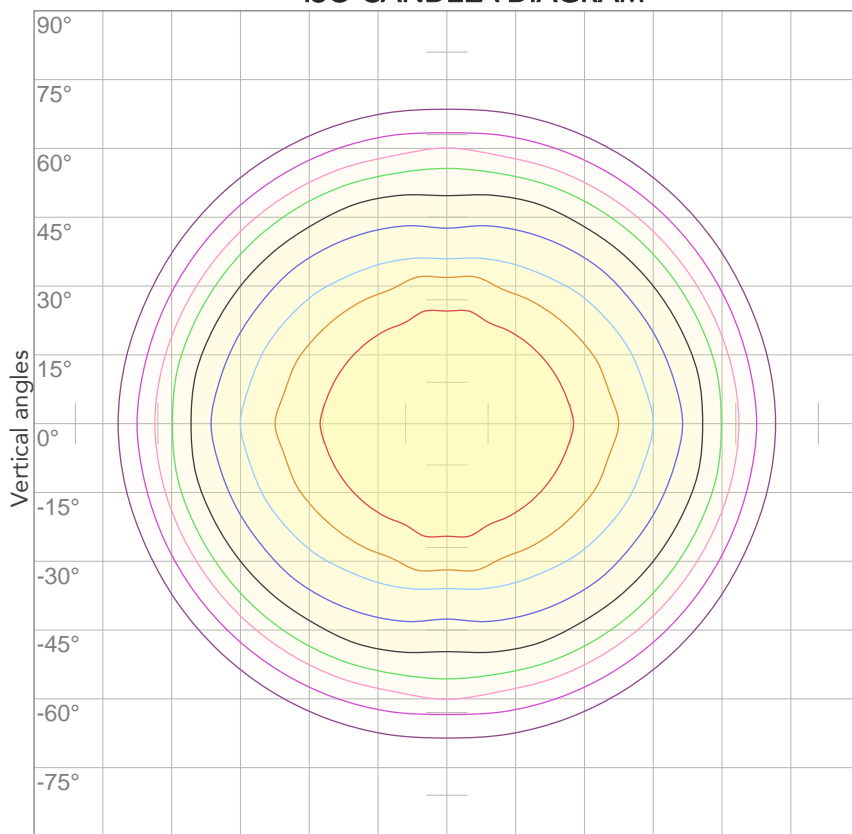


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,07A	223,2W	21lm/W

Power FC
0,92

ISO CANDELA DIAGRAM



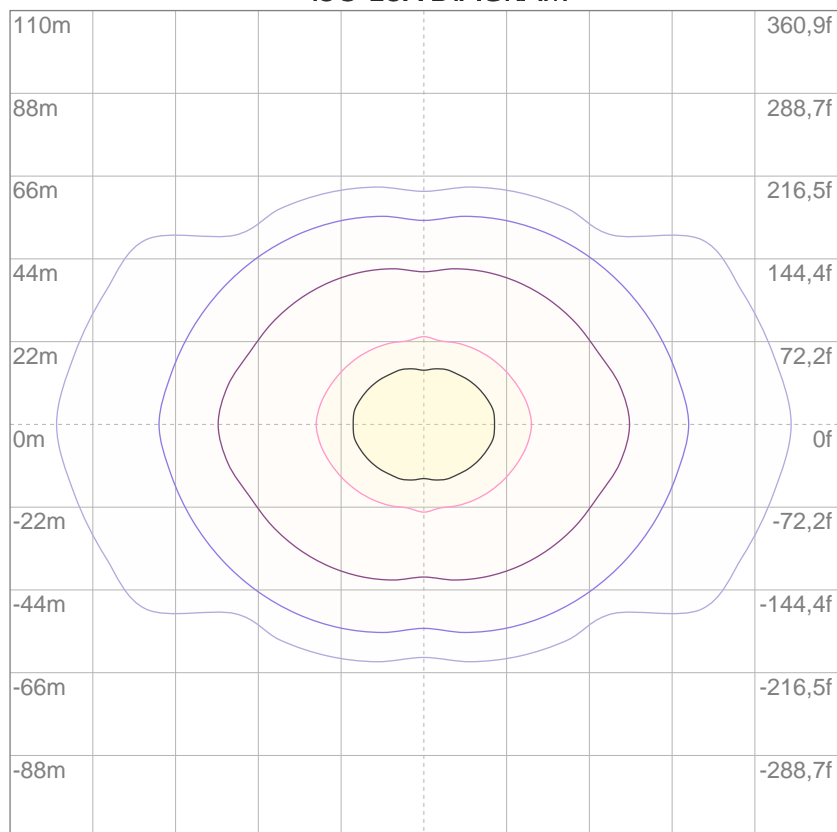
10%	160 cd
20%	319 cd
30%	479 cd
40%	639 cd
50%	798 cd
60%	958 cd
70%	1117 cd
80%	1277 cd

Conditions:

Number of c-planes: 4

Candela at center: 1596 cd

ISO LUX DIAGRAM



3%	0,479 lx
5%	0,798 lx
10%	1,60 lx
30%	4,79 lx
50%	7,98 lx

Conditions:

Number of c-planes: 4

Lux at center: 16,0 lx

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

Mounting height: 10 meters (33 feet)

Total lumen output:

11944 lm

Peak candela output:

13047 cd



PRODUCT NAME:

SUNBAR2000FC

MEASURAMENT CONDITIONS:

Beam angle:

With Lens

Target:

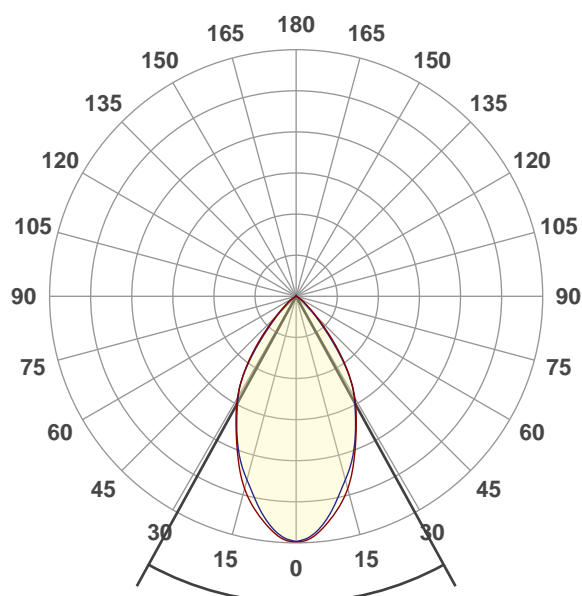
Green

Operator:

Paolo Carvone

Date and time:

17/05/2021 16:14:19

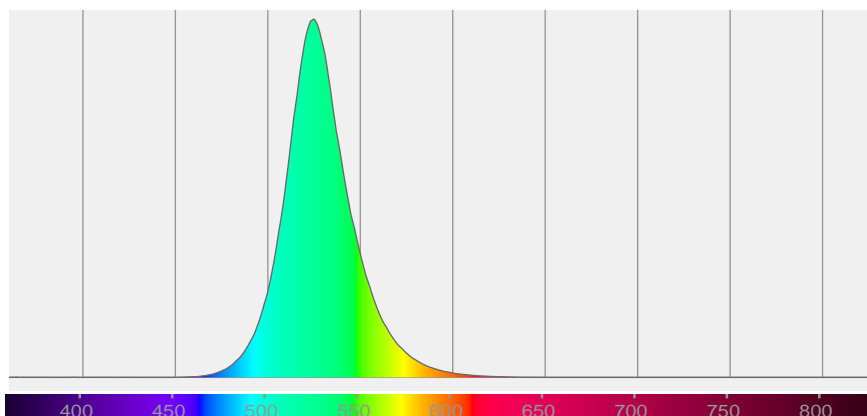


Beam angle 50%: 57,6°

Field angle 10%: 91,5°

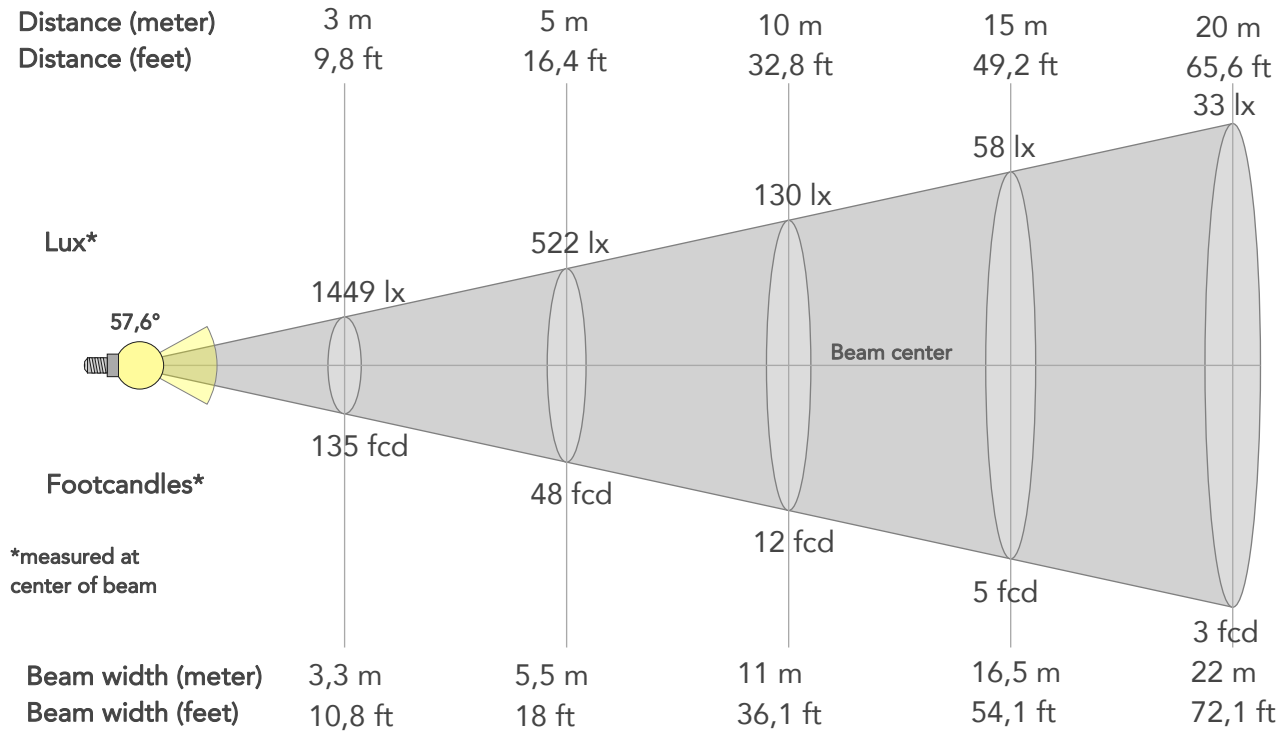
Cut off angle 2.5%: 110,9°

Spectra



BEAM DETAILS

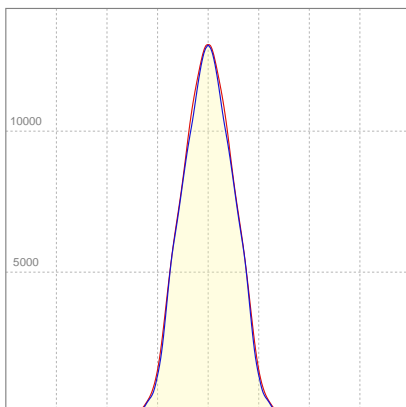
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,6°	91,5°	110,9°	99,1%	93,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	13039lx	3260lx	1449lx	815lx	522lx	232lx	130lx	58lx	33lx	21lx	14lx	8lx	5lx
Footcand.	1211fcd	303fcd	135fcd	76fcd	48fcd	22fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	11m	16,5m	22m	27,5m	33m	44m	55m
Beam wid.	3,6ft	7,3ft	10,8ft	14,4ft	18ft	27ft	36,1ft	54,1ft	72,1ft	90,2ft	108,2ft	144,3ft	180,3ft

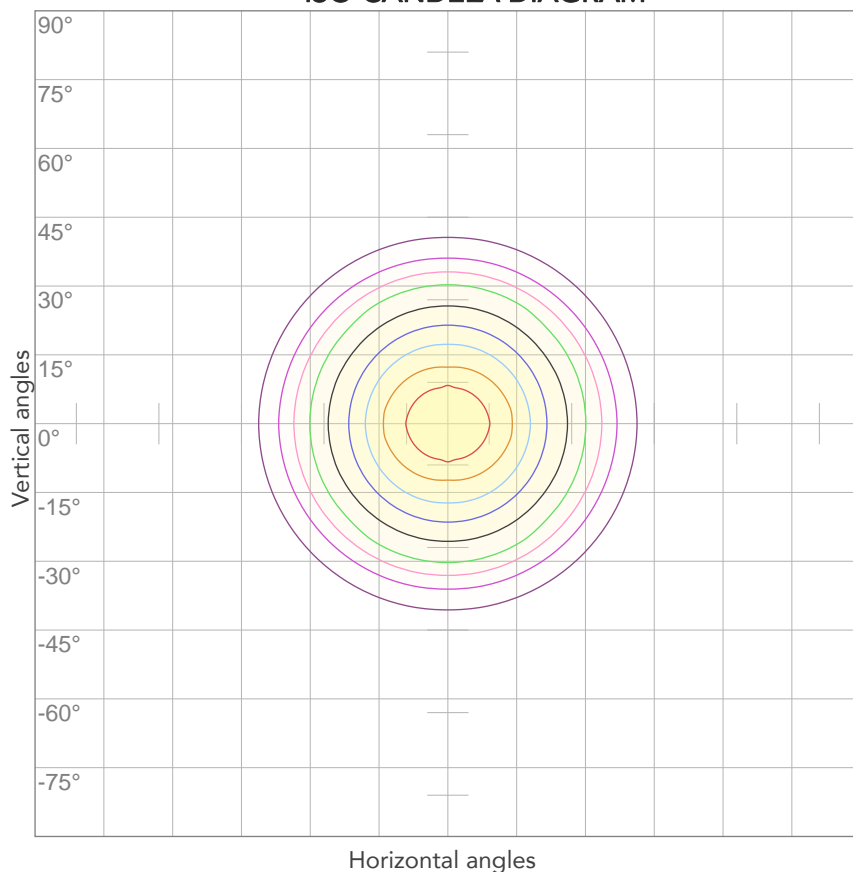
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,34A	283,3W	42lm/W
Power FC			
0,94			

ISO CANDELA DIAGRAM



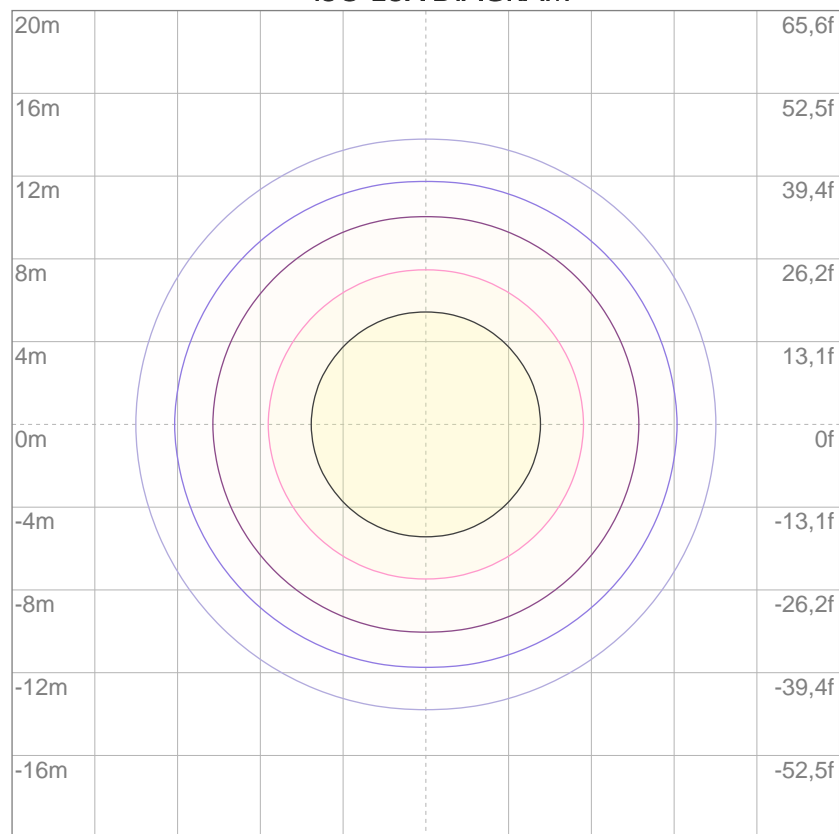
10%	1304 cd
20%	2608 cd
30%	3912 cd
40%	5216 cd
50%	6520 cd
60%	7823 cd
70%	9127 cd
80%	10431 cd

Conditions:

Number of c-planes: 4

Candela at center: 13039 cd

ISO LUX DIAGRAM



3%	3,91 lx
5%	6,52 lx
10%	13,0 lx
30%	39,1 lx
50%	65,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 130 lx

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

Total lumen output:

15530 lm

Peak candela output:

5228 cd



PRODUCT NAME:

SUNBAR2000FC

MEASURAMENT CONDITIONS:

Beam angle:

Without Lens

Target:

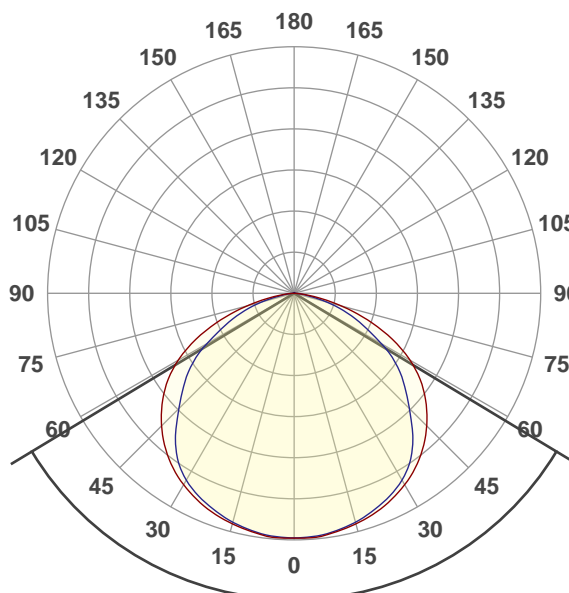
Green

Operator:

Paolo Carvone

Date and time:

17/05/2021 16:45:12

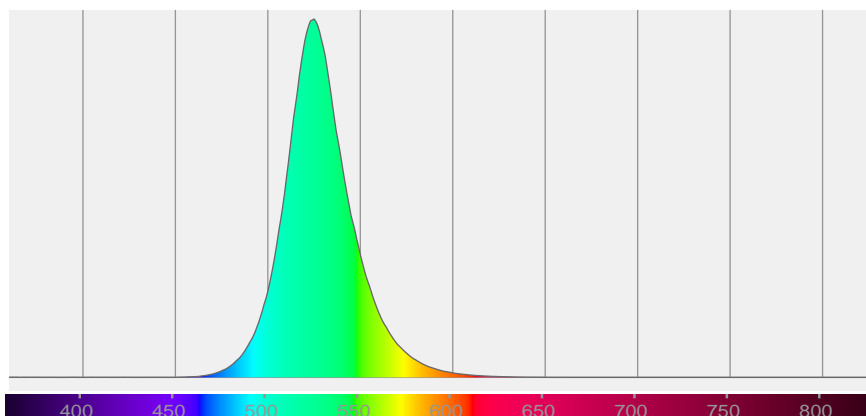


Beam angle 50%: 117,8°

Field angle 10%: 156,9°

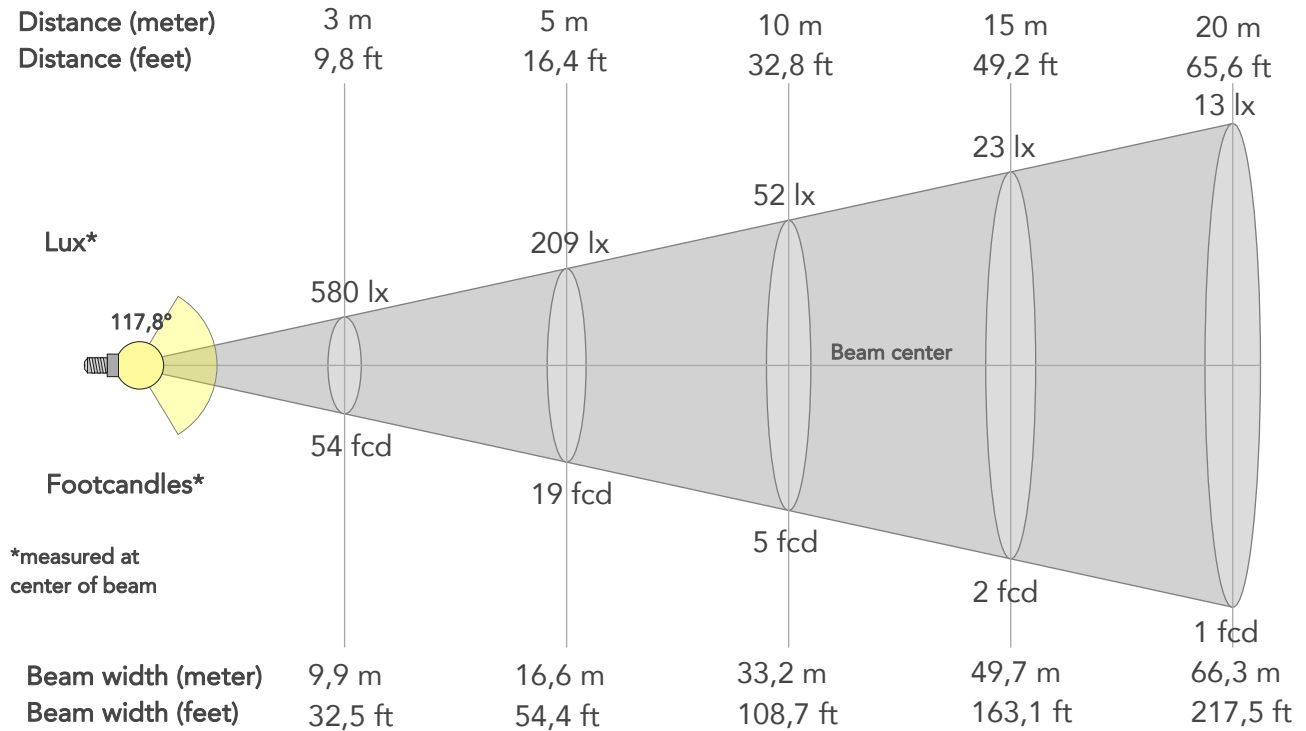
Cut off angle 2.5%: 169°

Spectra



BEAM DETAILS

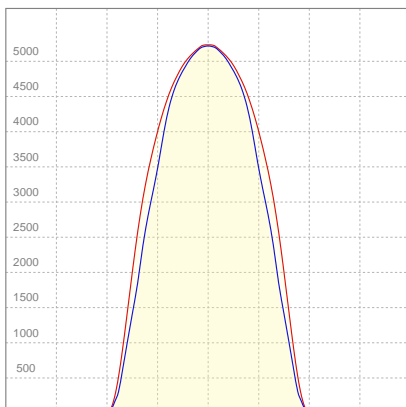
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
117,8°	156,9°	169°	80,3%	53,9%



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	5222lx	1305lx	580lx	326lx	209lx	93lx	52lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	485fcd	121fcd	54fcd	30fcd	19fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	3,3m	6,6m	9,9m	13,3m	16,6m	24,9m	33,2m	49,7m	66,3m	82,9m	99,5m	132,6m	165,8m
Beam wid.	10,9ft	21,9ft	32,5ft	43,4ft	54,4ft	81,6ft	108,7ft	163,1ft	217,5ft	271,9ft	326,2ft	435ft	543,7ft

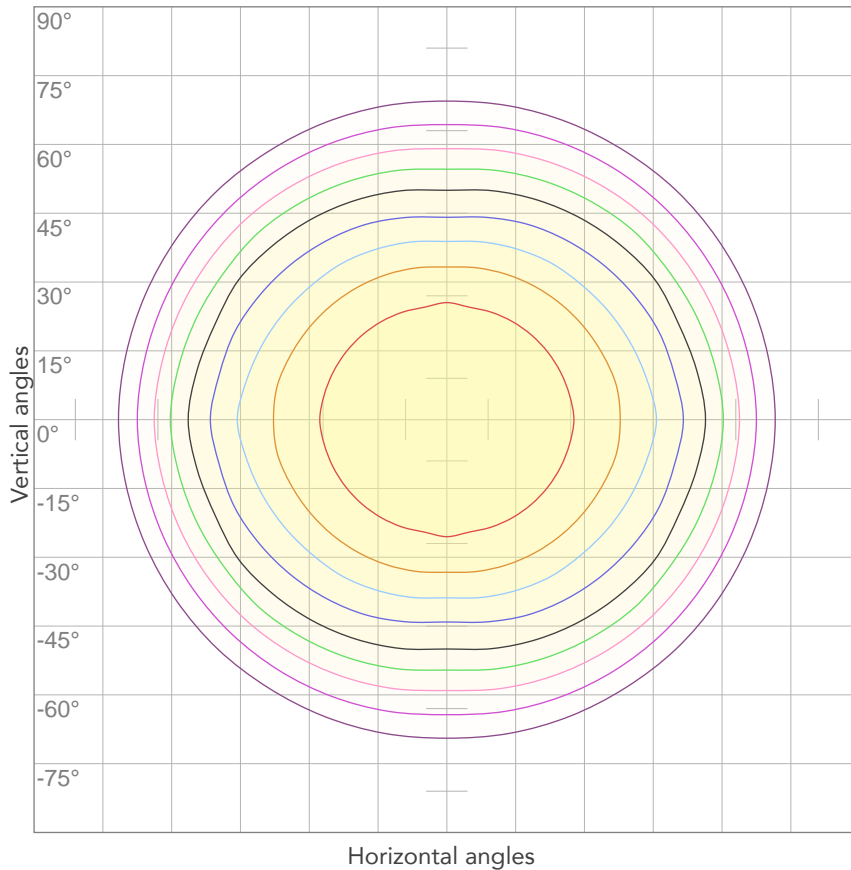
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,33A	283,6W	55lm/W
Power FC			
0,94			

ISO CANDELA DIAGRAM



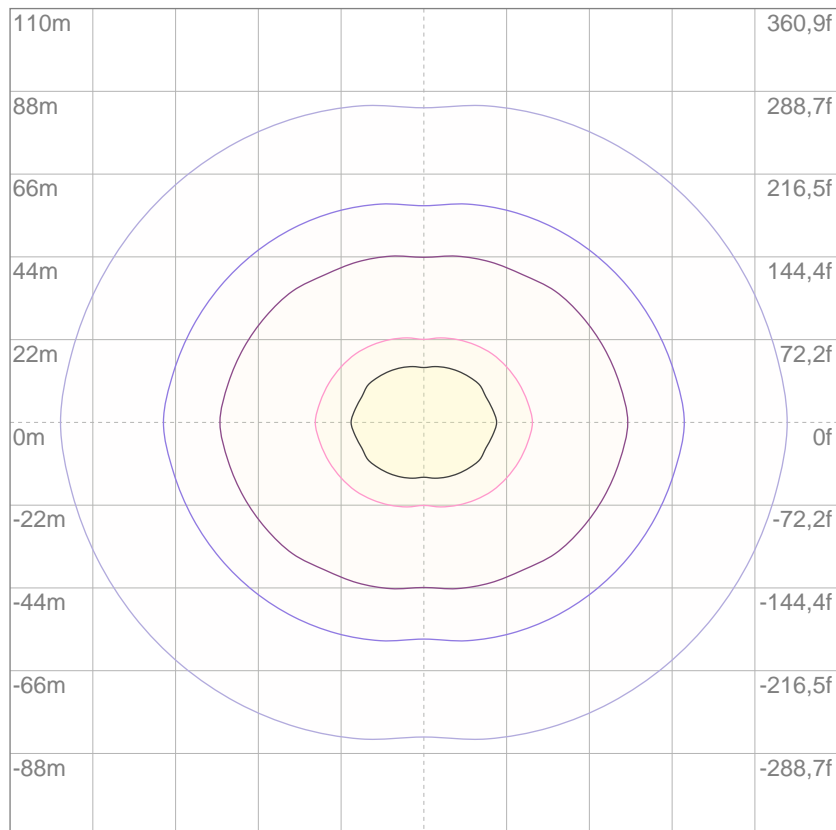
10%	522 cd
20%	1044 cd
30%	1566 cd
40%	2089 cd
50%	2611 cd
60%	3133 cd
70%	3655 cd
80%	4177 cd

Conditions:

Number of c-planes: 4

Candela at center: 5222 cd

ISO LUX DIAGRAM



3%	1,57 lx
5%	2,61 lx
10%	5,22 lx
30%	15,7 lx
50%	26,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 52,2 lx

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

Total lumen output:

2621 lm

Peak candela output:

2991 cd



PRODUCT NAME:

SUNBAR2000FC

MEASURAMENT CONDITIONS:

Beam angle:

With Lens

Target:

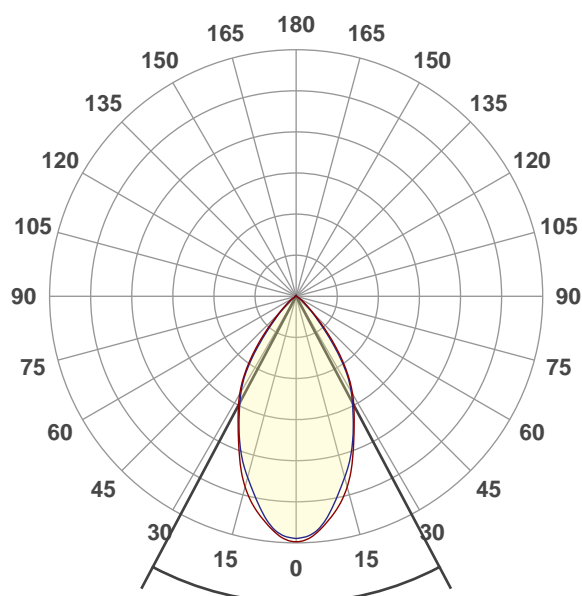
Blue

Operator:

Paolo Carvone

Date and time:

17/05/2021 16:16:20

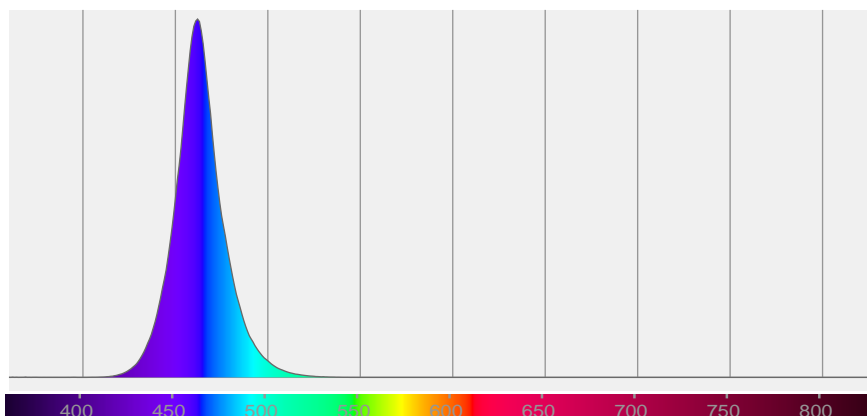


Beam angle 50%: 55,8°

Field angle 10%: 89,8°

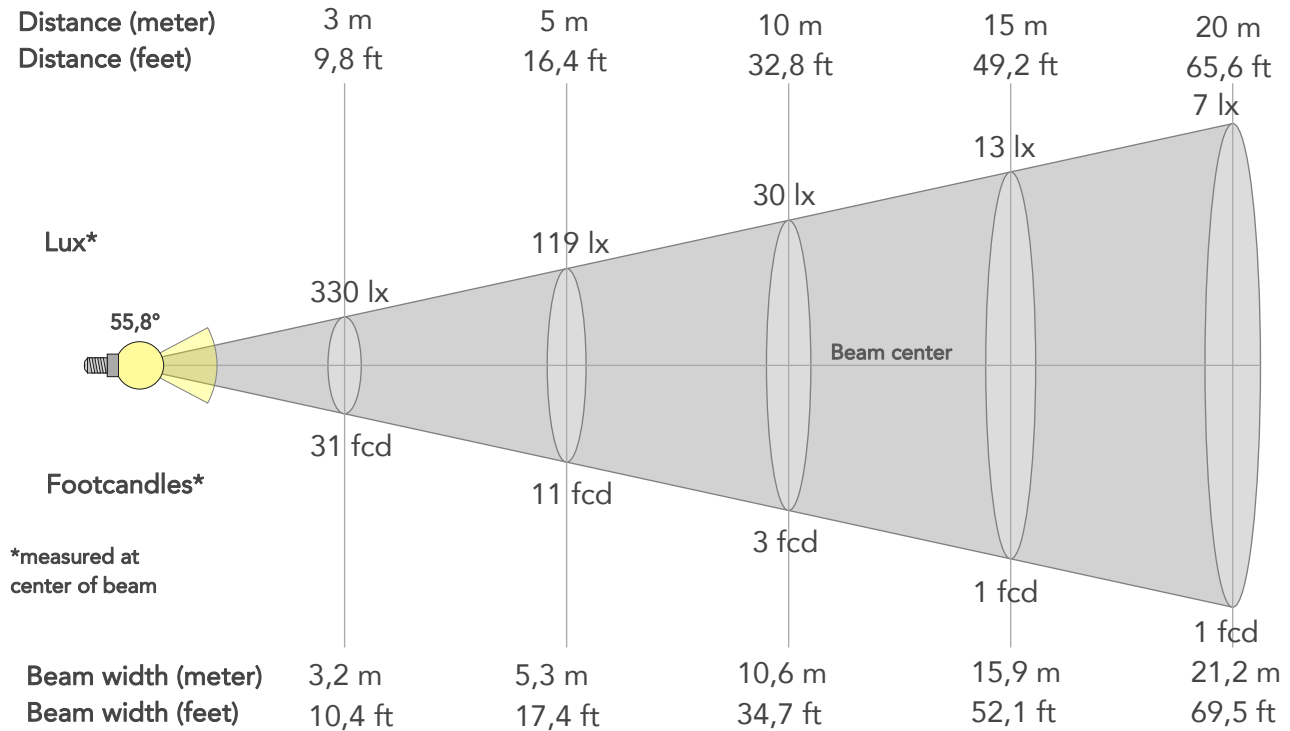
Cut off angle 2.5%: 109,4°

Spectra



BEAM DETAILS

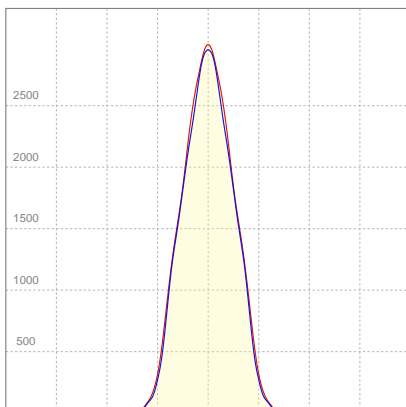
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,8°	89,8°	109,4°	99,2%	93,6%



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	2972lx	743lx	330lx	186lx	119lx	53lx	30lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	276fcd	69fcd	31fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,1m	3,2m	4,2m	5,3m	7,9m	10,6m	15,9m	21,2m	26,5m	31,8m	42,4m	52,9m
Beam wid.	3,5ft	7ft	10,4ft	13,9ft	17,4ft	26,1ft	34,7ft	52,1ft	69,5ft	86,8ft	104,2ft	138,9ft	173,7ft

LINEAR DISTRIBUTION DIAGRAM

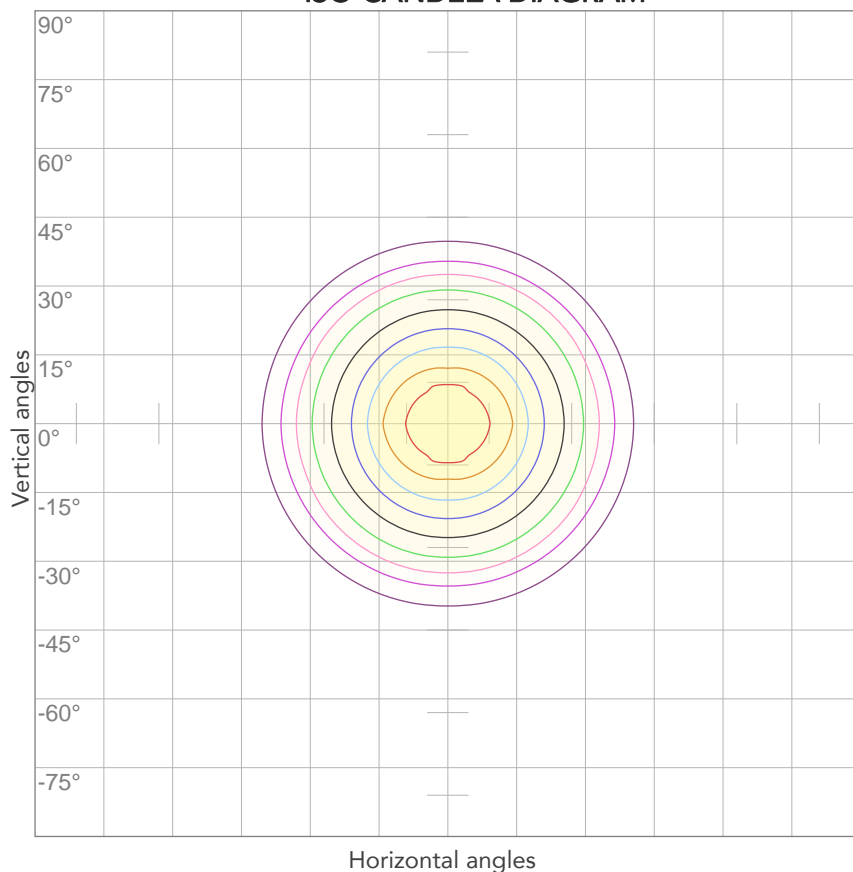


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	1,34A	286,9W	9lm/W

Power FC
0,94

ISO CANDELA DIAGRAM



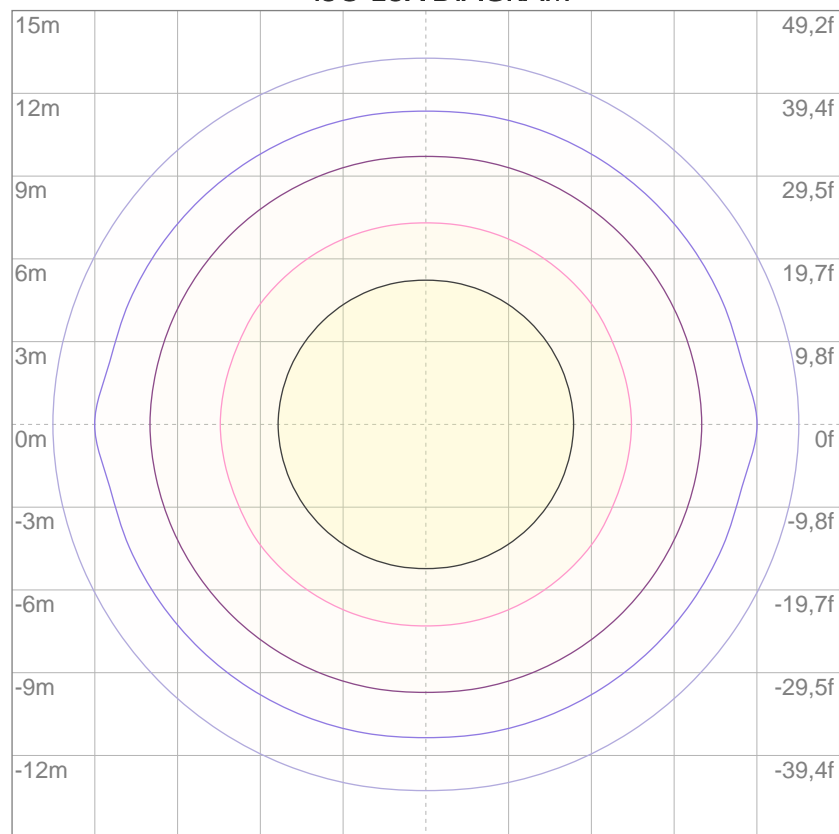
10%	297 cd
20%	594 cd
30%	892 cd
40%	1189 cd
50%	1486 cd
60%	1783 cd
70%	2080 cd
80%	2378 cd

Conditions:

Number of c-planes: 4

Candela at center: 2972 cd

ISO LUX DIAGRAM



3%	0,892 lx
5%	1,49 lx
10%	2,97 lx
30%	8,92 lx
50%	14,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 29,7 lx

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

Total lumen output:

3468 lm

Peak candela output:

1191 cd



PRODUCT NAME:

SUNBAR2000FC

MEASURAMENT CONDITIONS:

Beam angle:

Without Lens

Target:

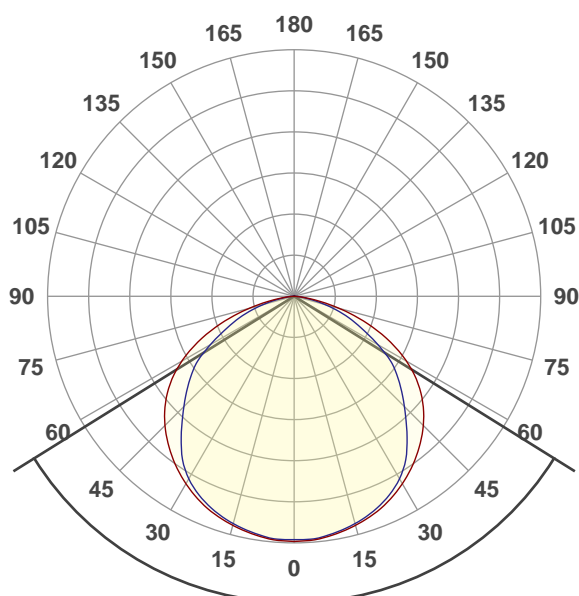
Blue

Operator:

Paolo Carvone

Date and time:

17/05/2021 16:48:33

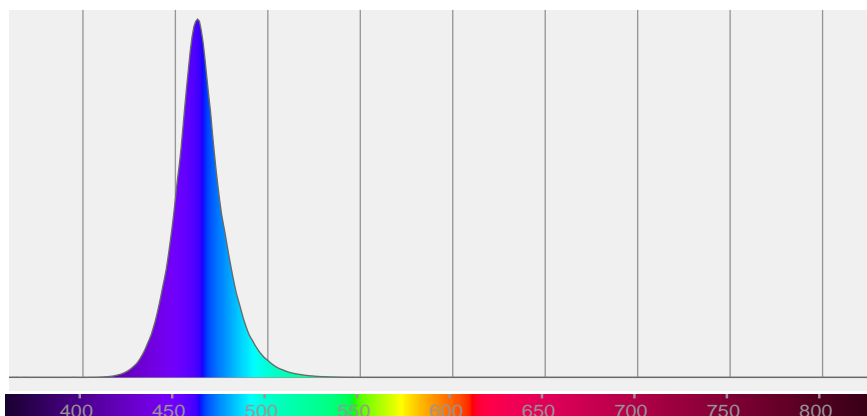


Beam angle 50%: 116,1°

Field angle 10%: 156,4°

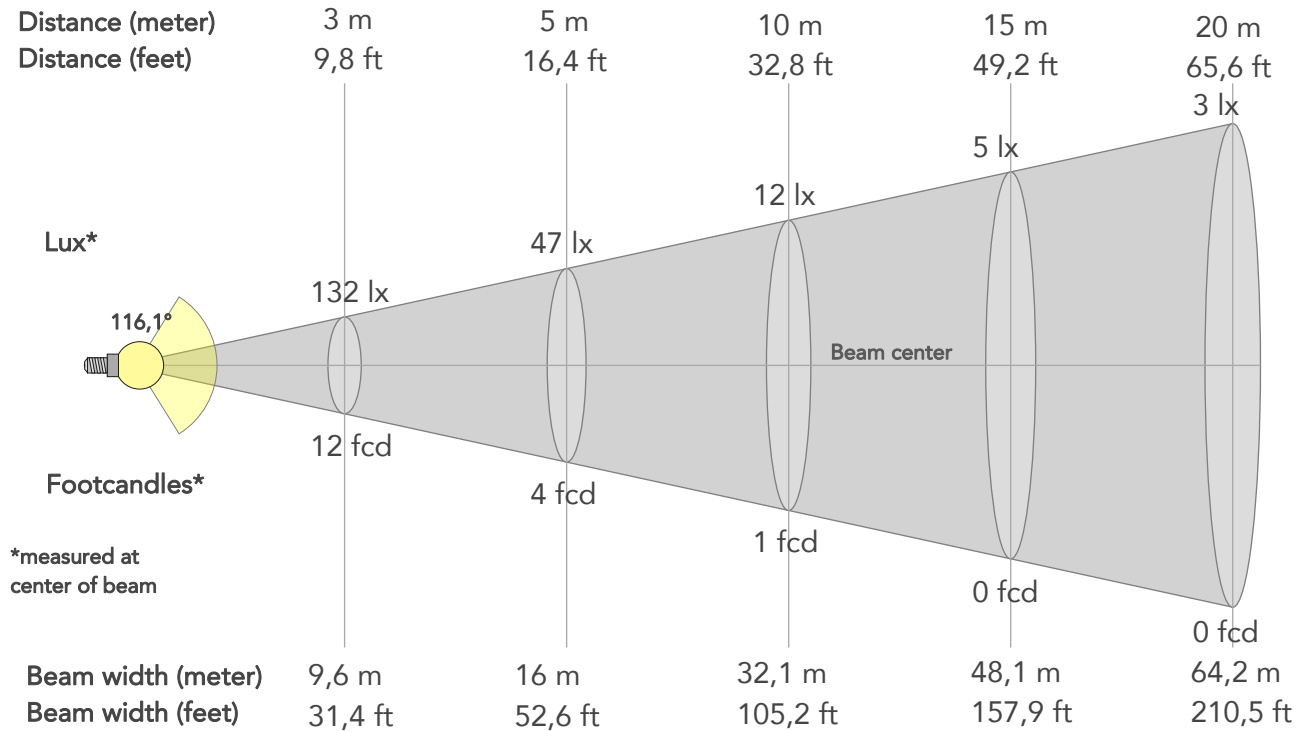
Cut off angle 2.5%: 169,1°

Spectra



BEAM DETAILS

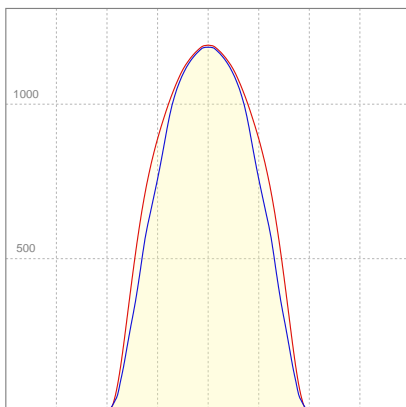
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116,1°	156,4°	169,1°	79,8%	53,8%



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	1187lx	297lx	132lx	74lx	47lx	21lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	110fcd	28fcd	12fcd	7fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,2m	6,4m	9,6m	12,8m	16m	24,1m	32,1m	48,1m	64,2m	80,2m	96,3m	128,3m	160,4m
Beam wid.	10,6ft	21,2ft	31,4ft	42ft	52,6ft	78,9ft	105,2ft	157,9ft	210,5ft	263,1ft	315,7ft	420,9ft	526,2ft

LINEAR DISTRIBUTION DIAGRAM

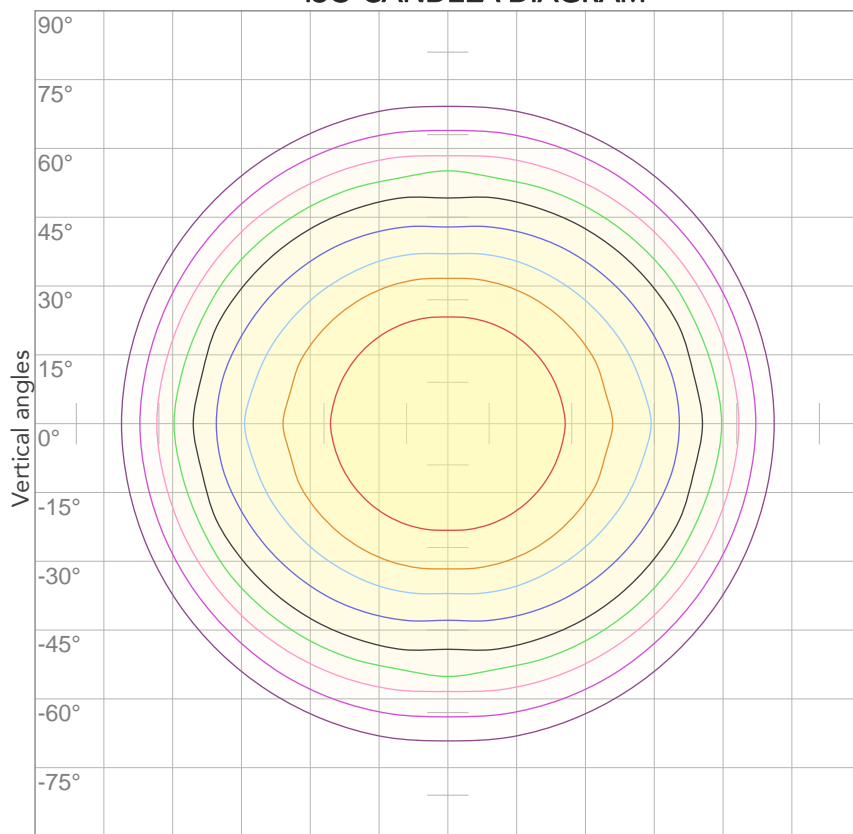


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	1,33A	285,7W	12lm/W

Power FC
0,94

ISO CANDELA DIAGRAM



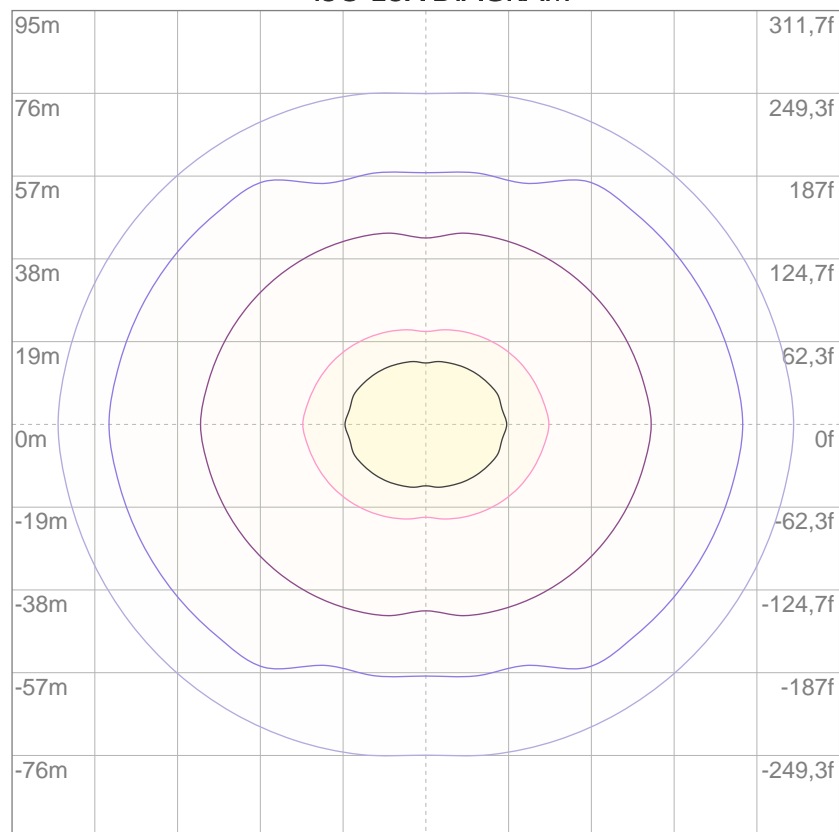
10%	119 cd
20%	237 cd
30%	356 cd
40%	475 cd
50%	593 cd
60%	712 cd
70%	831 cd
80%	949 cd

Conditions:

Number of c-planes: 4

Candela at center: 1187 cd

ISO LUX DIAGRAM



3%	0,356 lx
5%	0,593 lx
10%	1,19 lx
30%	3,56 lx
50%	5,93 lx

Conditions:

Number of c-planes: 4

Lux at center: 11,9 lx

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

Mounting height: 10 meters (33 feet)

Total lumen output:

17015 lm

Peak candela output:

29666 cd



PRODUCT NAME:

SUNBAR2000FC

MEASURAMENT CONDITIONS:

Beam angle:

With Lens

Target:

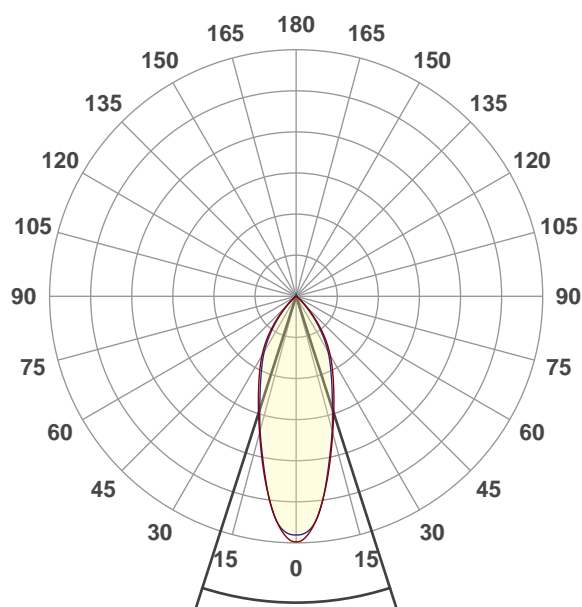
White

Operator:

Paolo Carvone

Date and time:

17/05/2021 16:18:46

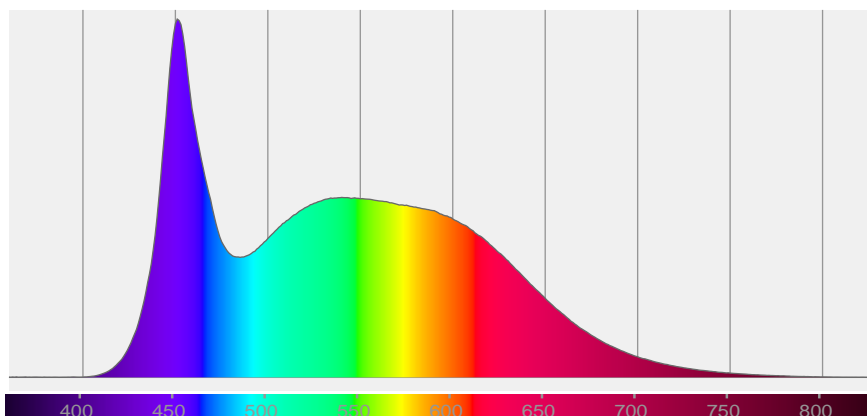


Beam angle 50%: 35,7°

Field angle 10%: 82,1°

Cut off angle 2.5%: 98°

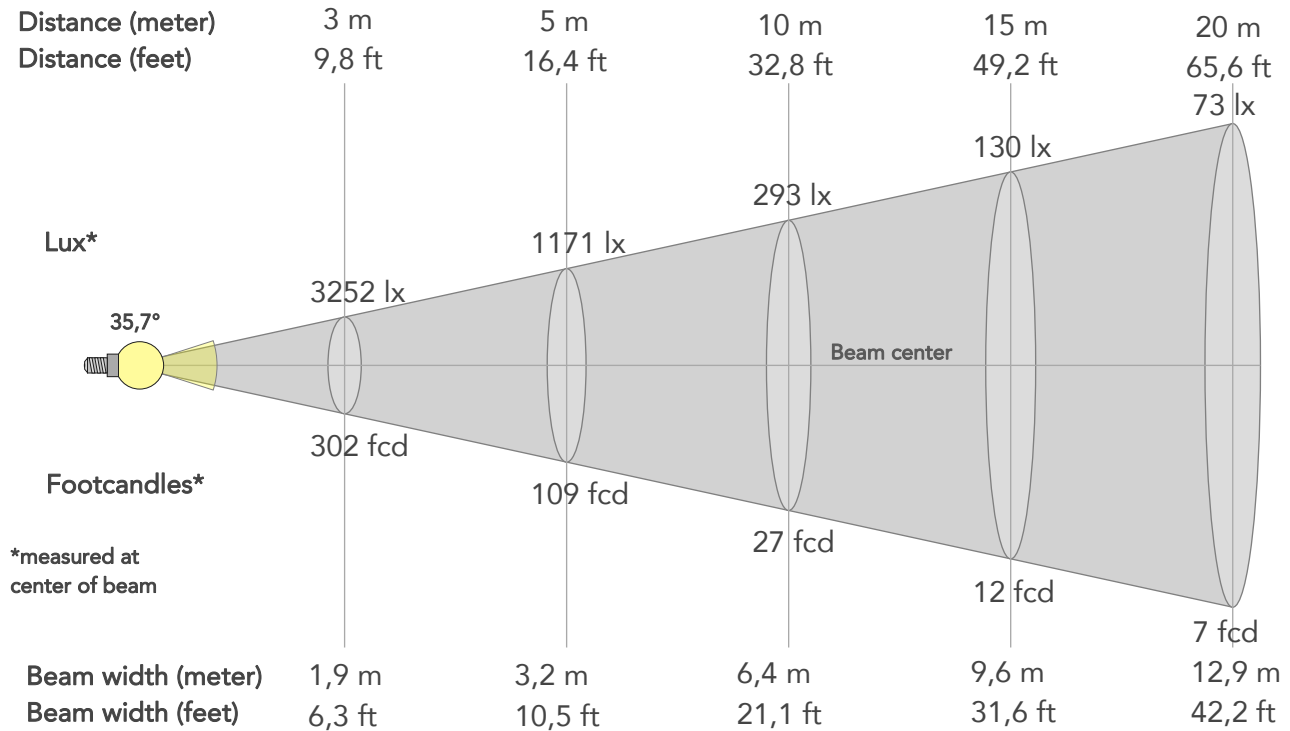
Spectra



BEAM DETAILS



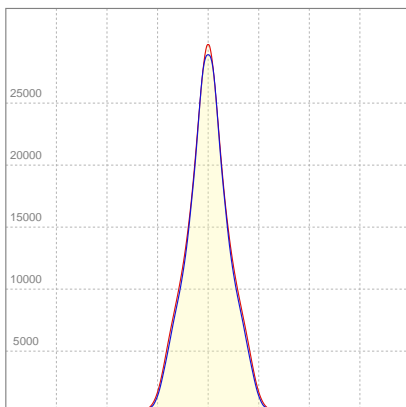
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,7°	82,1°	98°	99,5%	95,5%



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	29266lx	7316lx	3252lx	1829lx	1171lx	520lx	293lx	130lx	73lx	47lx	33lx	18lx	12lx
Footcand.	2719fcd	680fcd	302fcd	170fcd	109fcd	48fcd	27fcd	12fcd	7fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,6m	1,3m	1,9m	2,6m	3,2m	4,8m	6,4m	9,6m	12,9m	16,1m	19,3m	25,7m	32,2m
Beam wid.	2,1ft	4,2ft	6,3ft	8,4ft	10,5ft	15,8ft	21,1ft	31,6ft	42,2ft	52,7ft	63,3ft	84,4ft	105,5ft

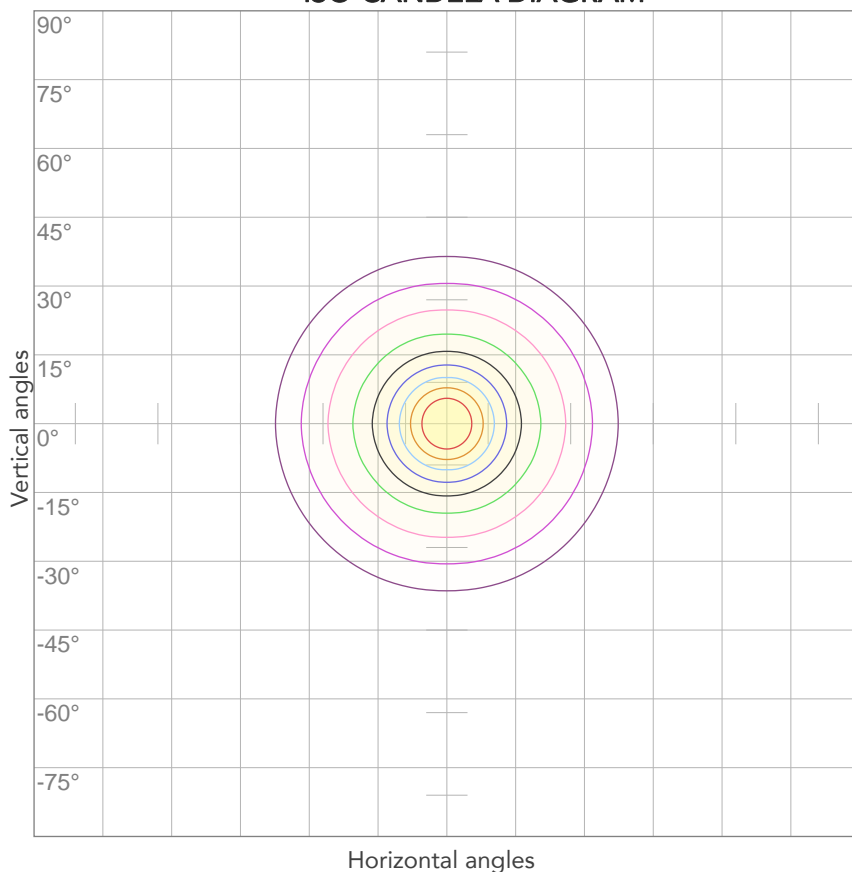
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	1,29A	275,9W	62lm/W
Power FC			
0,94			

ISO CANDELA DIAGRAM



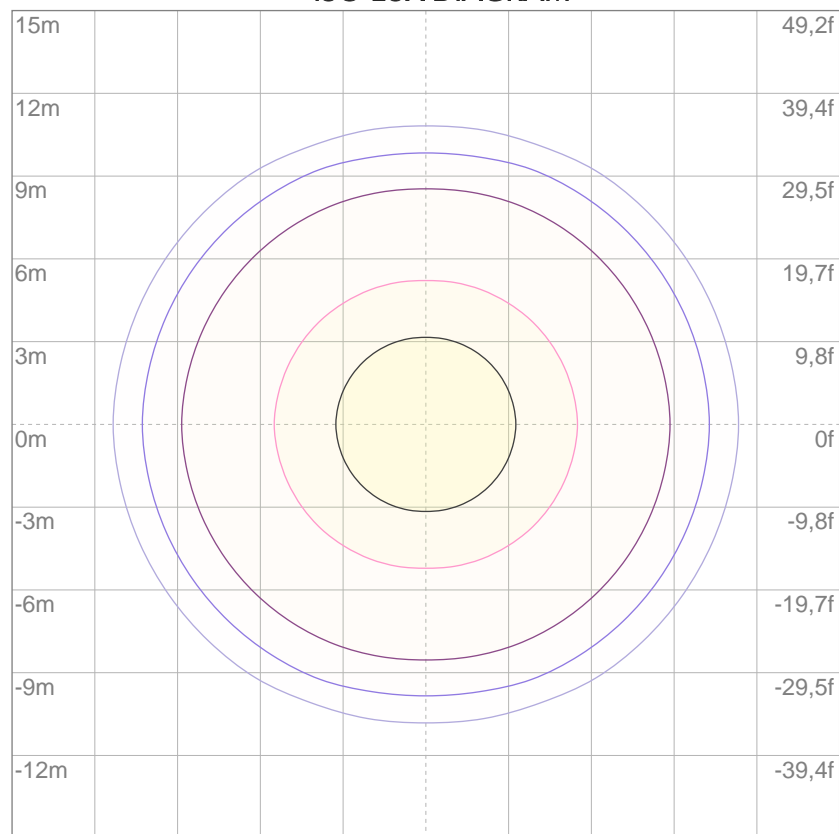
10%	2927 cd
20%	5853 cd
30%	8780 cd
40%	11706 cd
50%	14633 cd
60%	17560 cd
70%	20486 cd
80%	23413 cd

Conditions:

Number of c-planes: 4

Candela at center: 29266 cd

ISO LUX DIAGRAM



3%	8,78 lx
5%	14,6 lx
10%	29,3 lx
30%	87,8 lx
50%	146 lx

Conditions:

Number of c-planes: 4

Lux at center: 293 lx

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

Total lumen output:

20431 lm

Peak candela output:

7399 cd



PRODUCT NAME:

SUNBAR2000FC

MEASURAMENT CONDITIONS:

Beam angle:

Without Lens

Target:

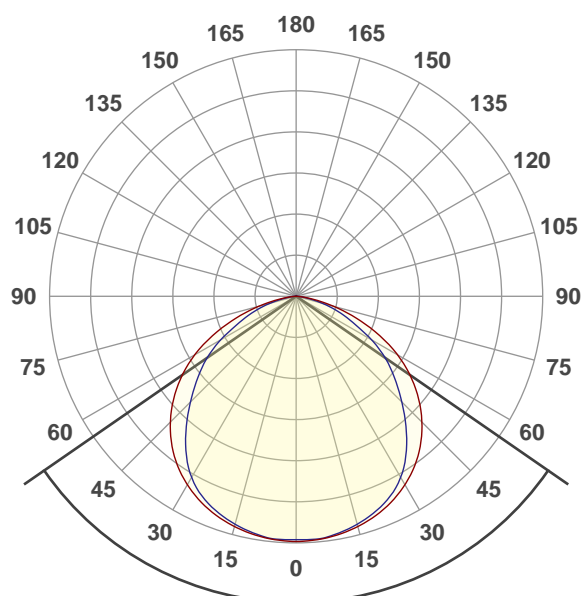
White

Operator:

Paolo Carvone

Date and time:

17/05/2021 16:51:26

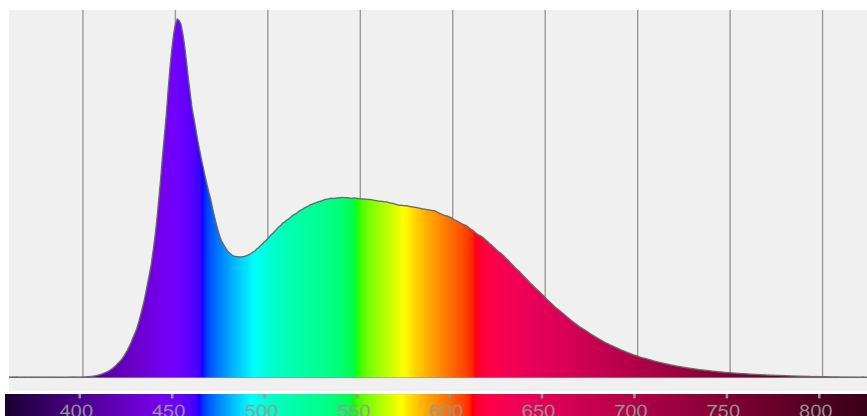


Beam angle 50%: 110,7°

Field angle 10%: 154,1°

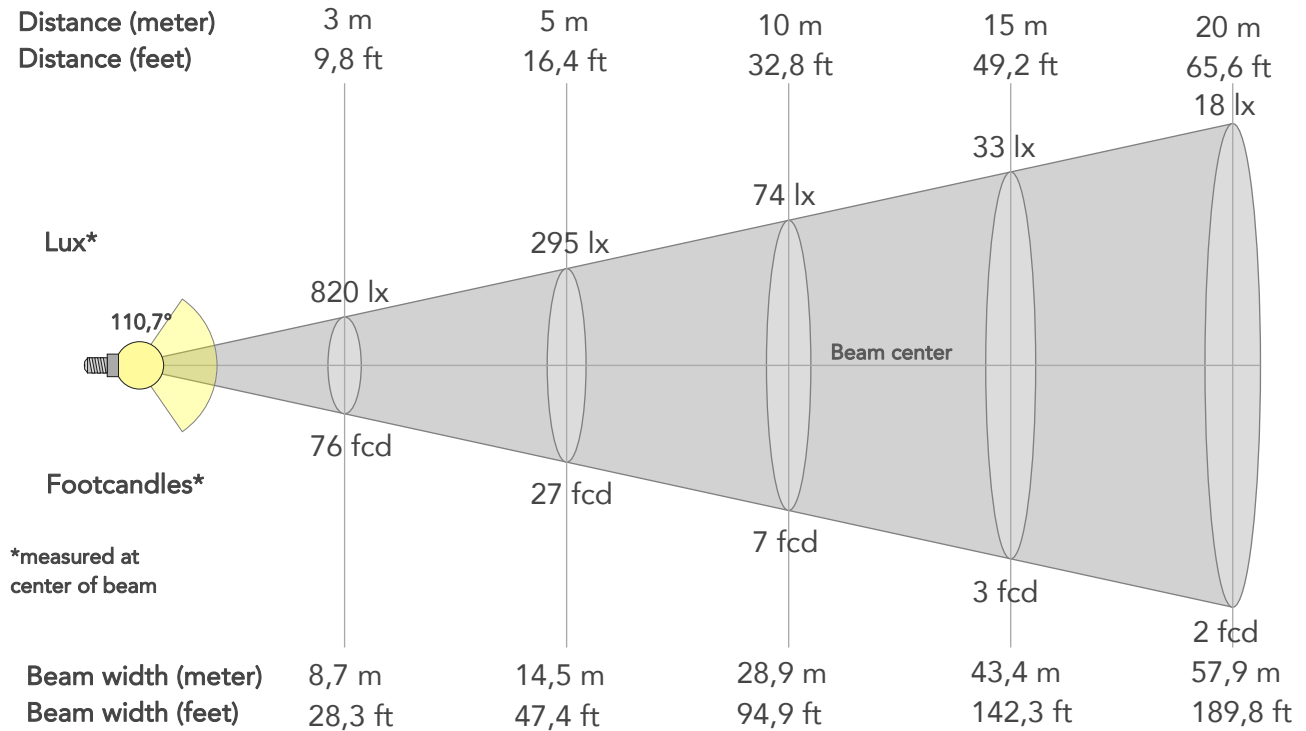
Cut off angle 2.5%: 167,7°

Spectra



BEAM DETAILS

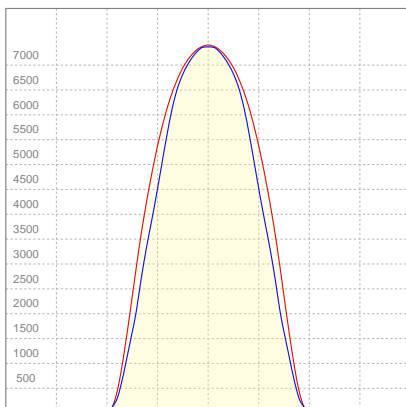
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
110,7°	154,1°	167,7°	82,0%	56,4%



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	7378lx	1845lx	820lx	461lx	295lx	131lx	74lx	33lx	18lx	12lx	8lx	5lx	3lx
Footcand.	685fcd	171fcd	76fcd	43fcd	27fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	2,9m	5,8m	8,7m	11,6m	14,5m	21,7m	28,9m	43,4m	57,9m	72,3m	86,8m	115,7m	144,6m
Beam wid.	9,5ft	19,1ft	28,3ft	37,9ft	47,4ft	71,2ft	94,9ft	142,3ft	189,8ft	237,2ft	284,6ft	379,5ft	474,4ft

LINEAR DISTRIBUTION DIAGRAM

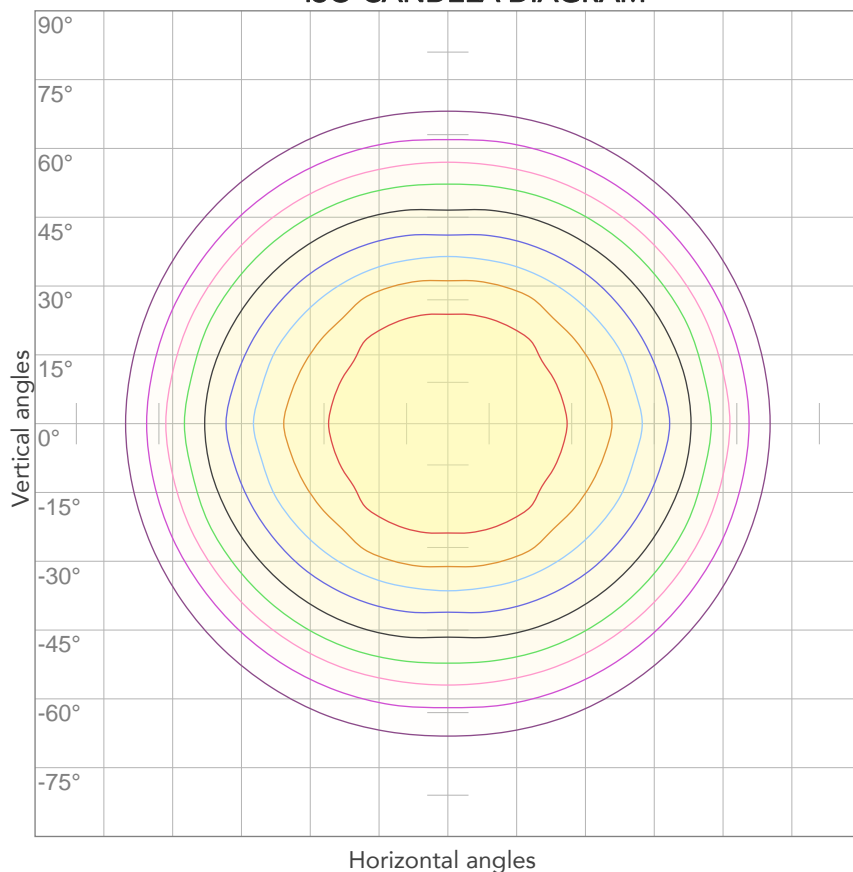


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
229V	1,29A	275,6W	74lm/W

Power FC
0,94

ISO CANDELA DIAGRAM



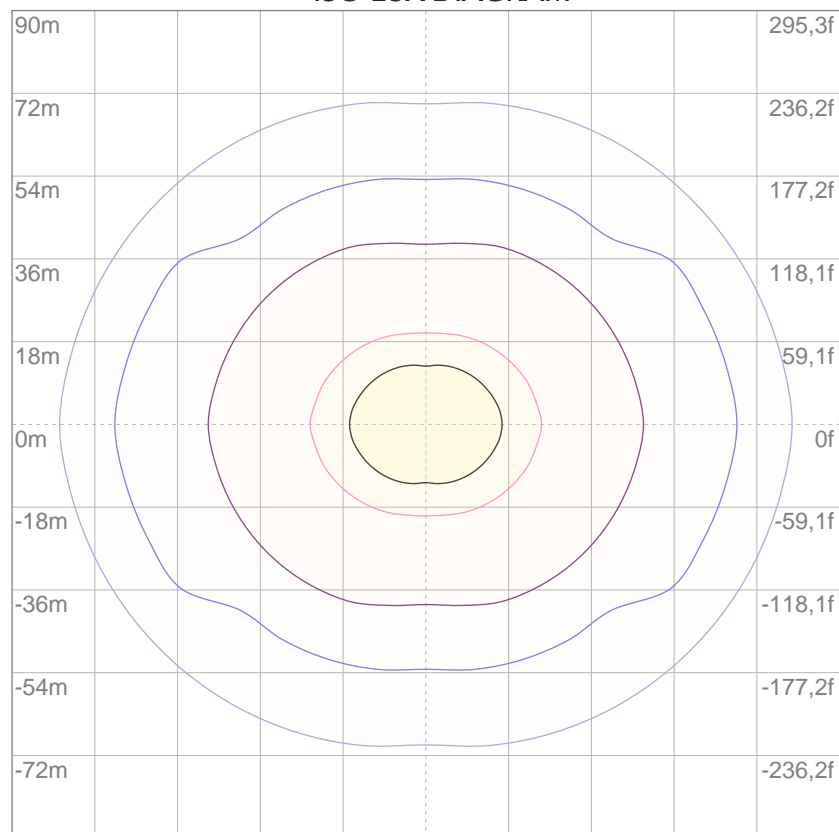
10%	738 cd
20%	1476 cd
30%	2213 cd
40%	2951 cd
50%	3689 cd
60%	4427 cd
70%	5165 cd
80%	5903 cd

Conditions:

Number of c-planes: 4

Candela at center: 7378 cd

ISO LUX DIAGRAM



3%	2,21 lx
5%	3,69 lx
10%	7,38 lx
30%	22,1 lx
50%	36,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 73,8 lx

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