



Photometric Test Report



JetWash19

19x20W RGBW moving wash light
with 4°- 52° zoom

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Color temperature 4000K

Beam angle Max Zoom 80

Beam angle Med Zoom 85

Beam angle Min Zoom 90

Color temperature 5600K

Beam angle Max Zoom 95

Beam angle Med Zoom 100

Beam angle Min Zoom 105

Color temperature 6000K

Beam angle Max Zoom 110

Beam angle Med Zoom 115

Beam angle Min Zoom 120

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 25°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:

5337 lm

Peak candela output:

17041 cd

PRODUCT NAME:

JETWASH19

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

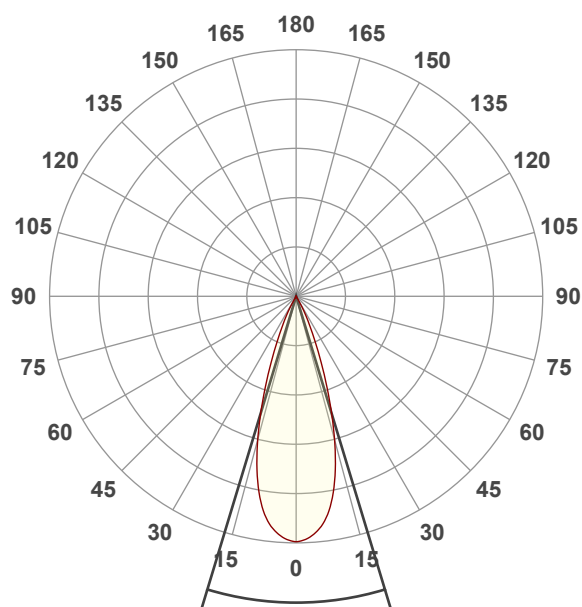
Full On

Operator:

Paolo Carvone

Date and time:

05/04/2022 14:42:04

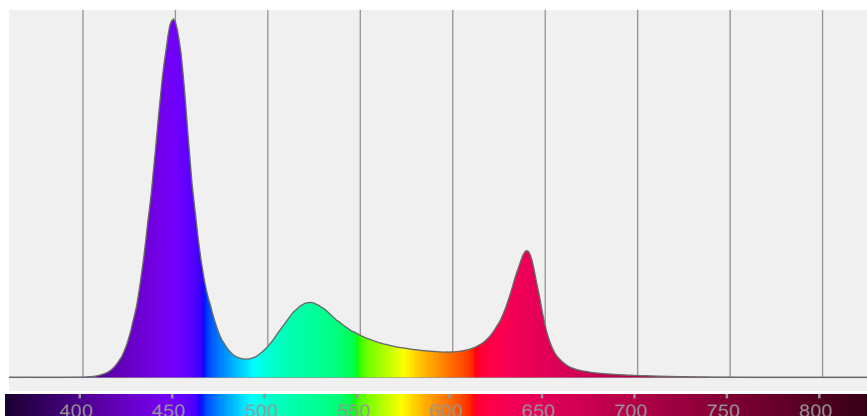


Beam angle 50%: 33,7°

Field angle 10%: 52,5°

Cut off angle 2.5%: 59,7°

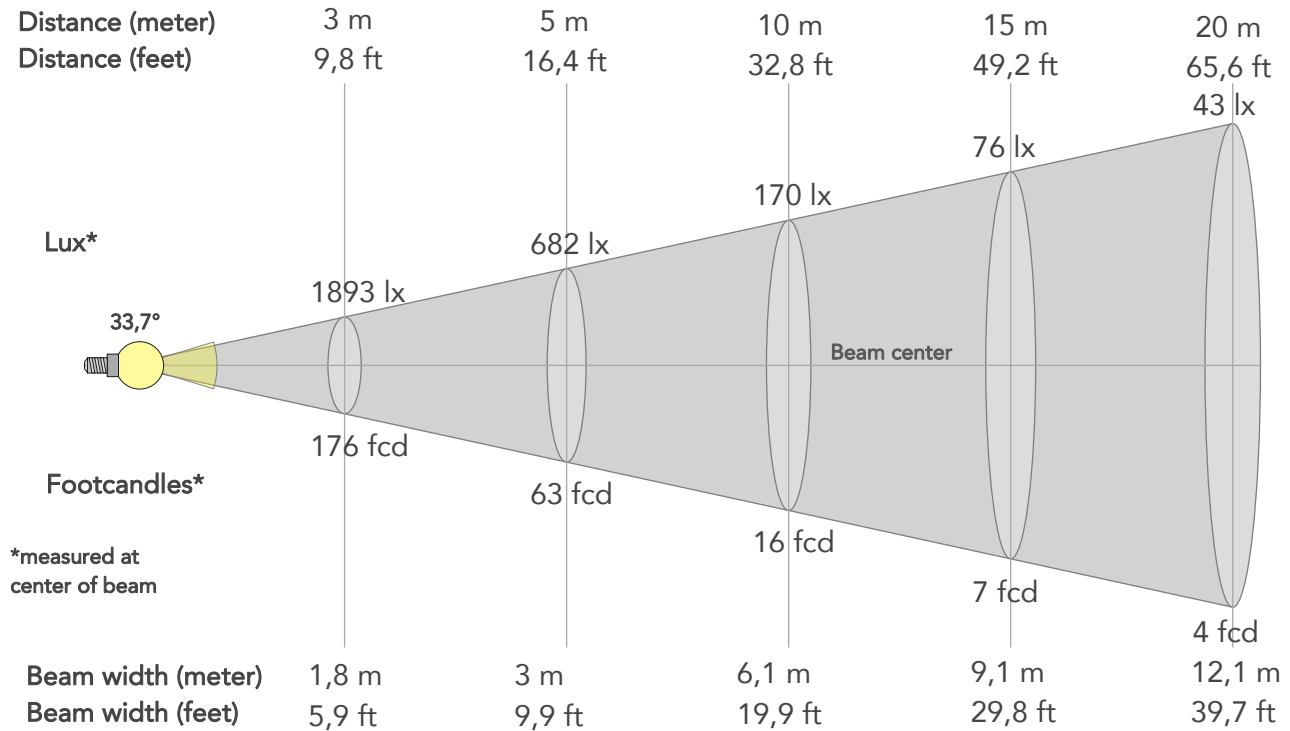
Spectra



BEAM DETAILS



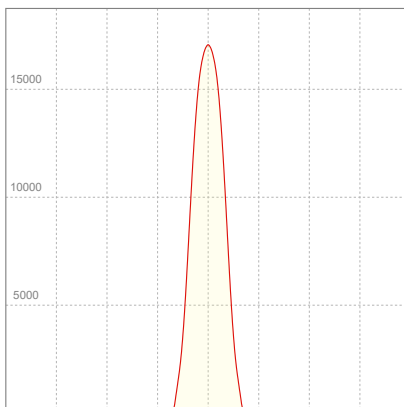
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,7°	52,5°	59,7°	100,0%	100,0%



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	17041lx	4260lx	1893lx	1065lx	682lx	303lx	170lx	76lx	43lx	27lx	19lx	11lx	7lx
Footcand.	1583fcd	396fcd	176fcd	99fcd	63fcd	28fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6,1m	9,1m	12,1m	15,1m	18,2m	24,2m	30,3m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,9ft	29,8ft	39,7ft	49,7ft	59,6ft	79,5ft	99,3ft

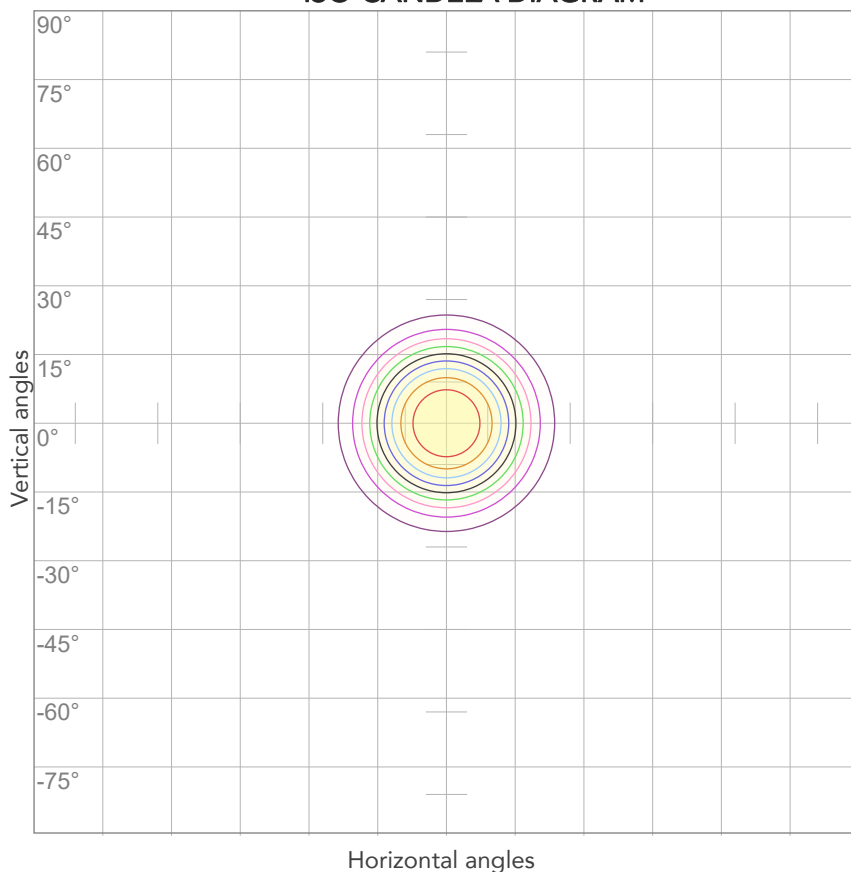
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,35A	295,1W	18lm/W
Power FC			
0,96			

ISO CANDELA DIAGRAM



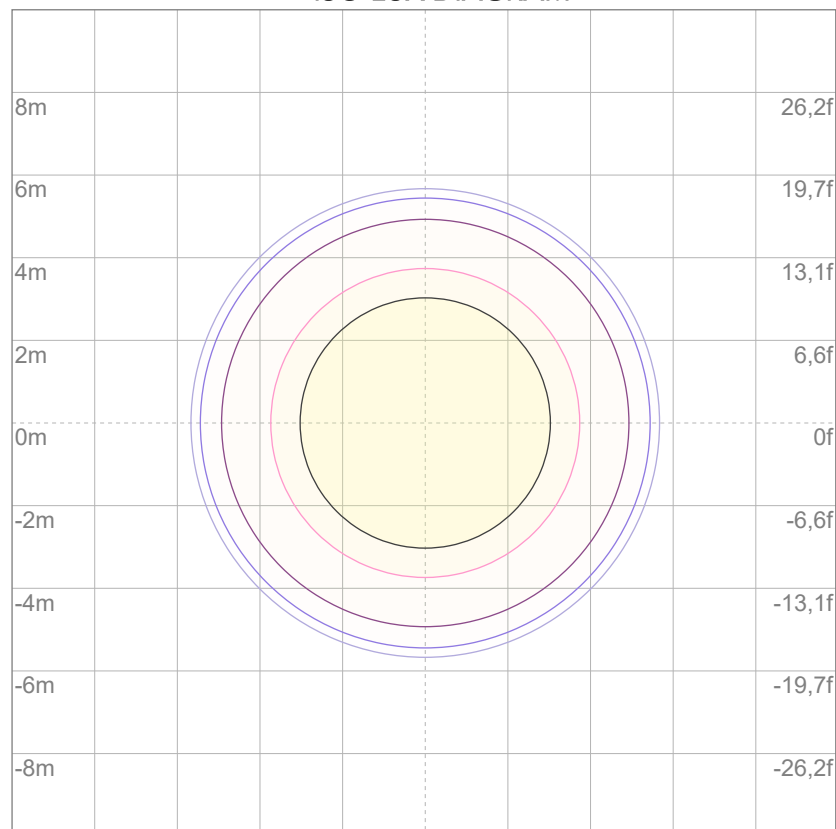
10%	1704 cd
20%	3408 cd
30%	5112 cd
40%	6816 cd
50%	8520 cd
60%	10225 cd
70%	11929 cd
80%	13633 cd

Conditions:

Number of c-planes: 2

Candela at center: 17041 cd

ISO LUX DIAGRAM



3%	5,11 lx
5%	8,52 lx
10%	17,0 lx
30%	51,1 lx
50%	85,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 170 lx

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



Total lumen output:

4475 lm

Peak candela output:

55551 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

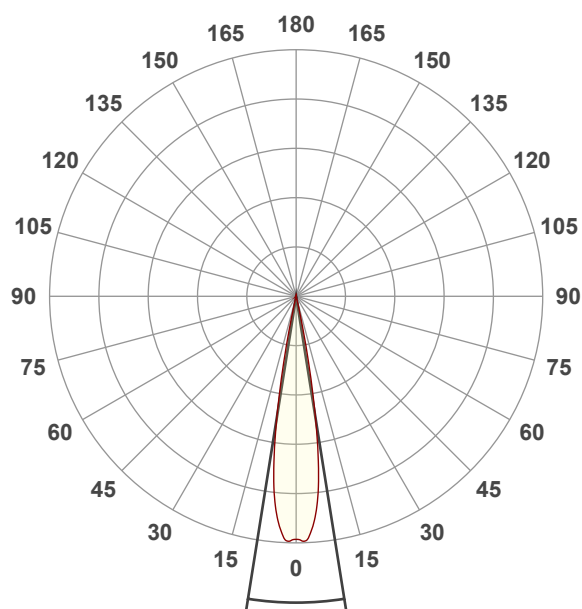
Full On

Operator:

Paolo Carvone

Date and time:

05/04/2022 14:43:52

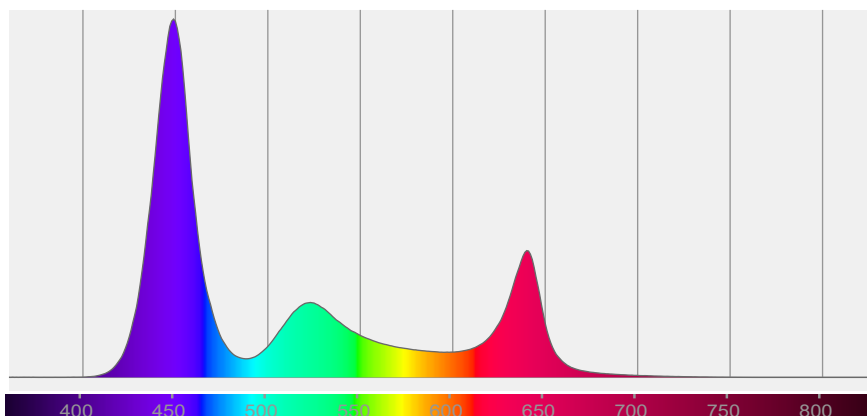


Beam angle 50%: 18,1°

Field angle 10%: 24,3°

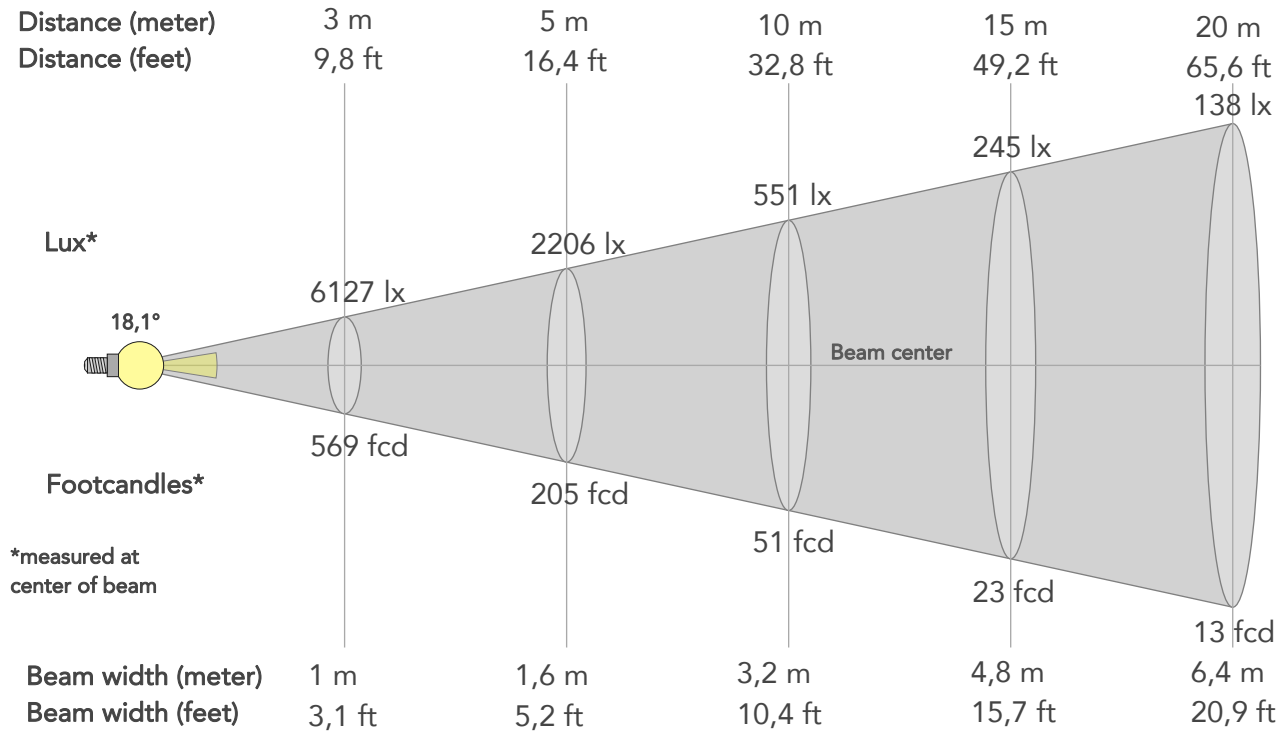
Cut off angle 2.5%: 26,5°

Spectra



BEAM DETAILS

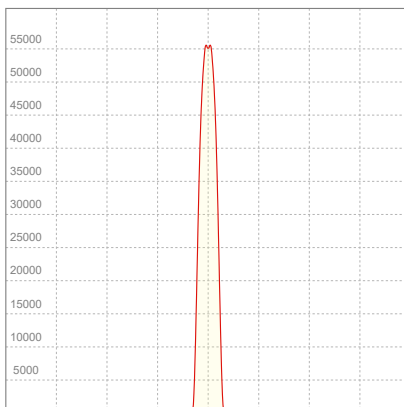
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,1°	24,3°	26,5°	100,0%	100,0%



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	55146lx	13787lx	6127lx	3447lx	2206lx	980lx	551lx	245lx	138lx	88lx	61lx	34lx	22lx
Footcand.	5123fcd	1281fcd	569fcd	320fcd	205fcd	91fcd	51fcd	23fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,8m	6,4m	8m	9,6m	12,7m	15,9m
Beam wid.	1,1ft	2,1ft	3,1ft	4,2ft	5,2ft	7,8ft	10,4ft	15,7ft	20,9ft	26,1ft	31,3ft	41,8ft	52,2ft

LINEAR DISTRIBUTION DIAGRAM

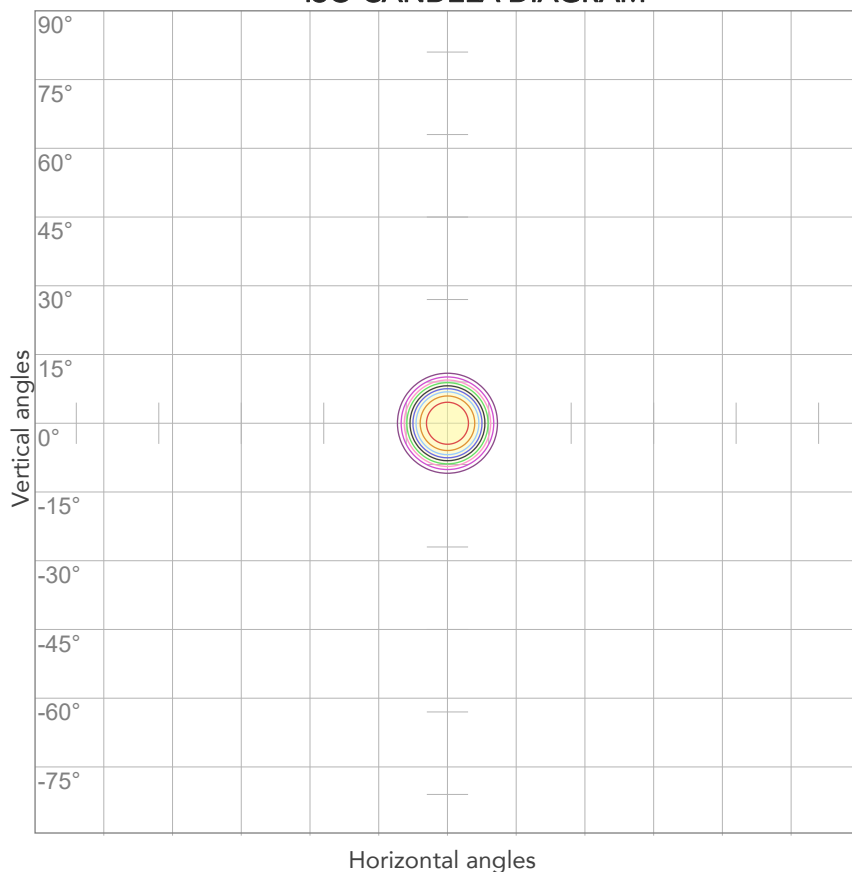


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	1,35A	294,5W	15lm/W

Power FC
0,96

ISO CANDELA DIAGRAM



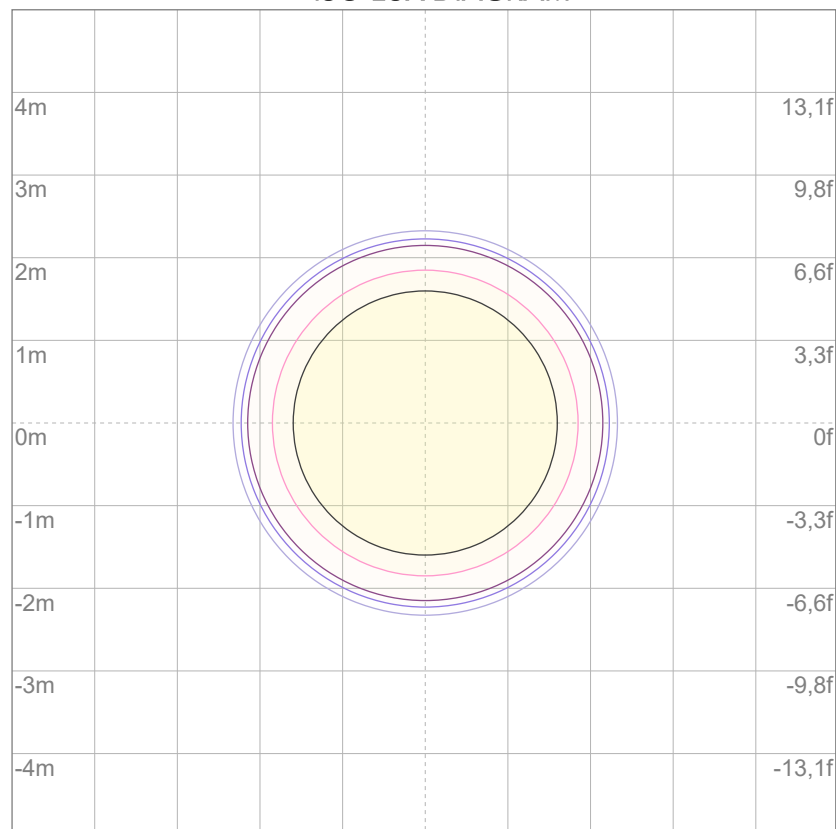
10%	5515 cd
20%	11029 cd
30%	16544 cd
40%	22059 cd
50%	27573 cd
60%	33088 cd
70%	38602 cd
80%	44117 cd

Conditions:

Number of c-planes: 2

Candela at center: 55146 cd

ISO LUX DIAGRAM



3%	16,5 lx
5%	27,6 lx
10%	55,1 lx
30%	165 lx
50%	276 lx

Conditions:

Number of c-planes: 2

Lux at center: 551 lx

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



Total lumen output:

3019 lm

Peak candela output:

594522 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

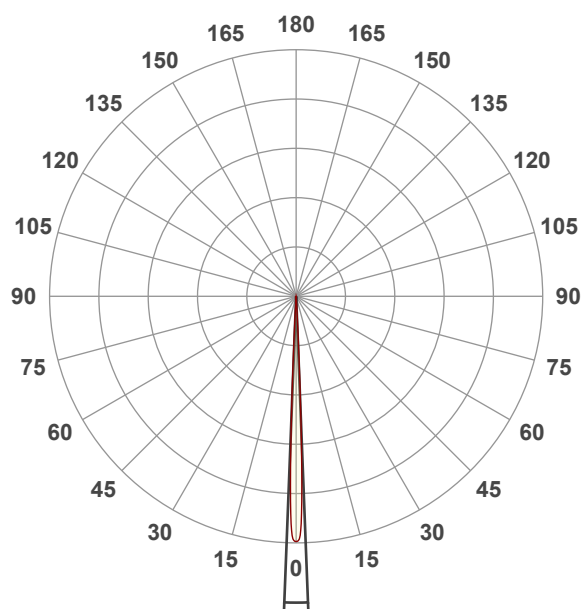
Full On

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:11:41

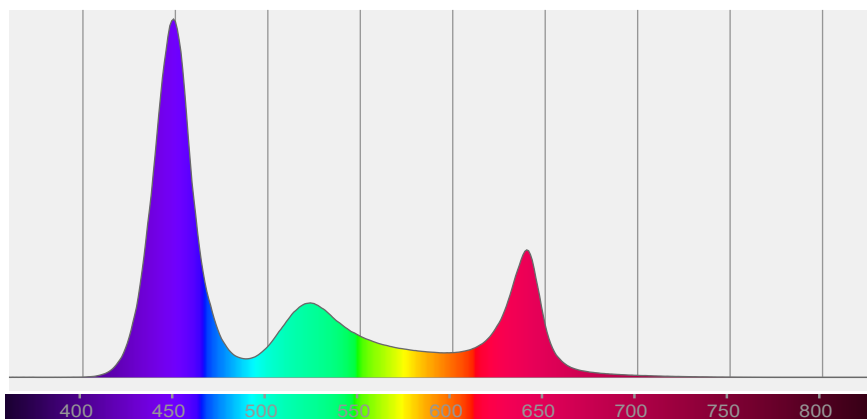


Beam angle 50%: 4,4°

Field angle 10%: 6,1°

Cut off angle 2.5%: 6,9°

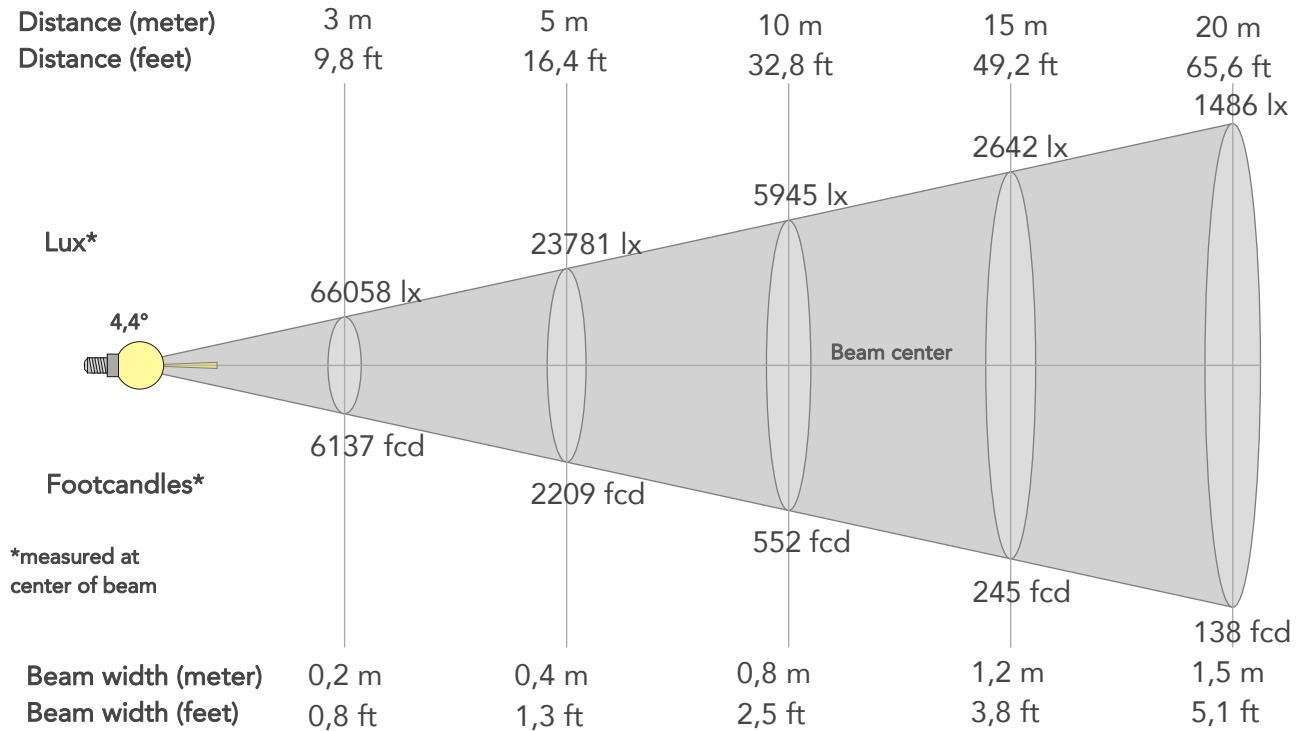
Spectra



BEAM DETAILS



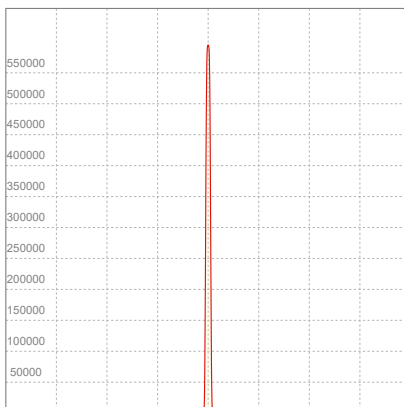
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,4°	6,1°	6,9°	100,0%	100,0%



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	594522lx	148631lx	66058lx	37158lx	23781lx	10569lx	5945lx	2642lx	1486lx	951lx	661lx	372lx	238lx
Footcand.	55233fcd	13808fcd	6137fcd	3452fcd	2209fcd	982fcd	552fcd	245fcd	138fcd	88fcd	61fcd	35fcd	22fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,5m	1,9m	2,3m	3,1m	3,9m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,5ft	3,8ft	5,1ft	6,3ft	7,6ft	10,1ft	12,7ft

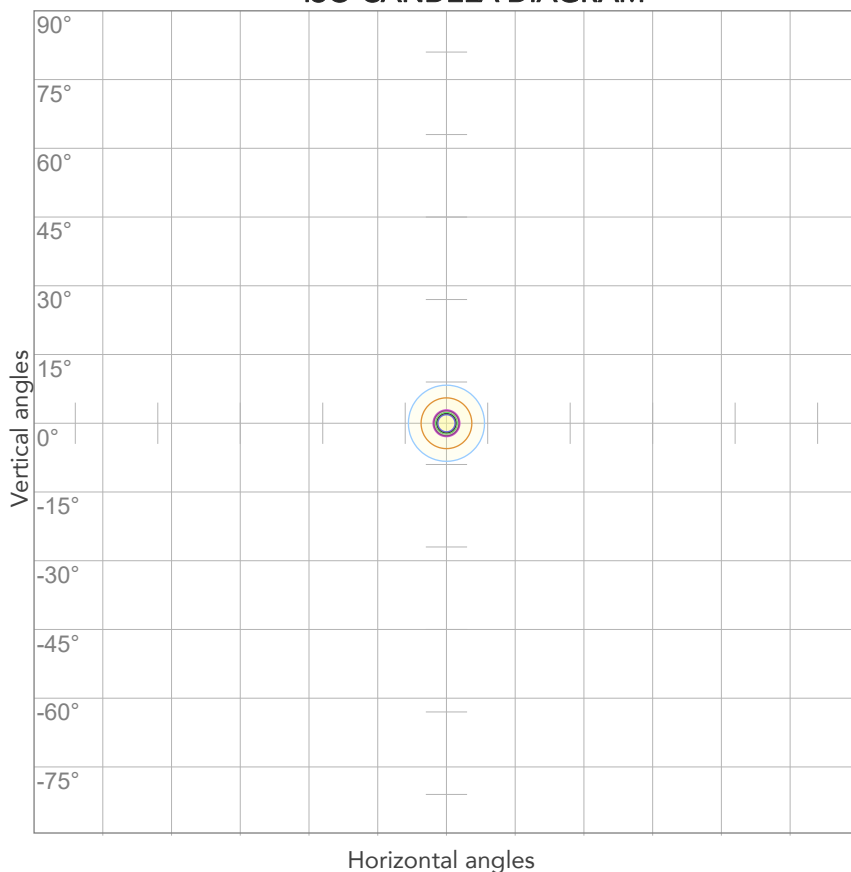
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,35A	294,8W	10lm/W
Power FC			
0,96			

ISO CANDELA DIAGRAM



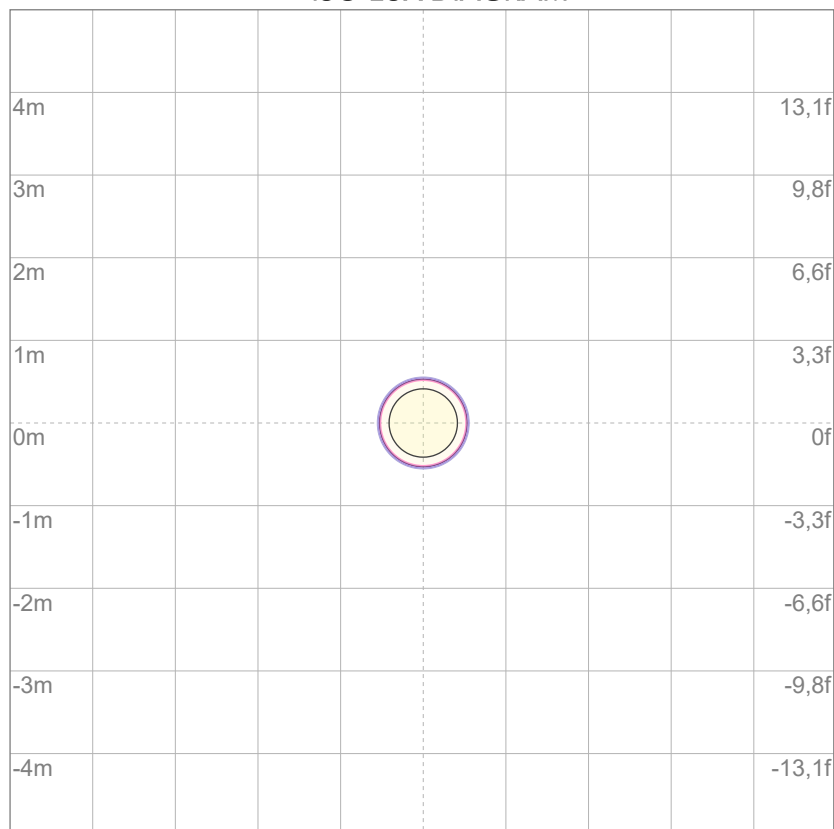
10%	59452 cd
20%	118904 cd
30%	178357 cd
40%	237809 cd
50%	297261 cd
60%	356713 cd
70%	416166 cd
80%	475618 cd

Conditions:

Number of c-planes: 2

Candela at center: 594522 cd

ISO LUX DIAGRAM



3%	178 lx
5%	297 lx
10%	595 lx
30%	1784 lx
50%	2973 lx

Conditions:

Number of c-planes: 2

Lux at center: 5945 lx

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



Total lumen output:

768 lm

Peak candela output:

2627 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

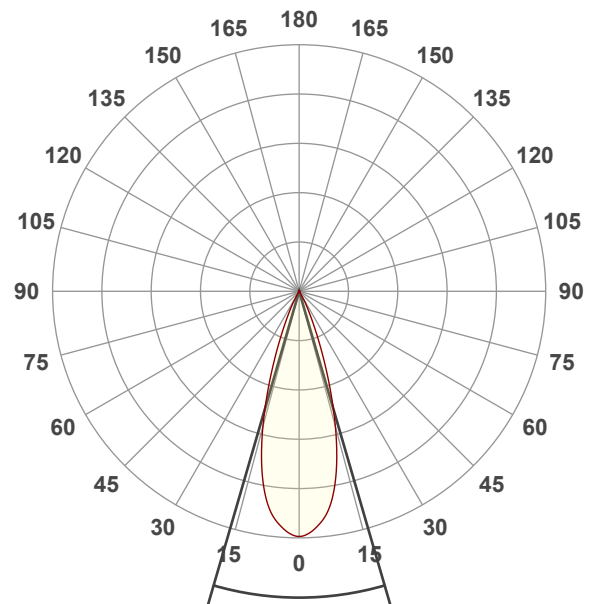
Red

Operator:

Paolo Carvone

Date and time:

05/04/2022 14:58:08

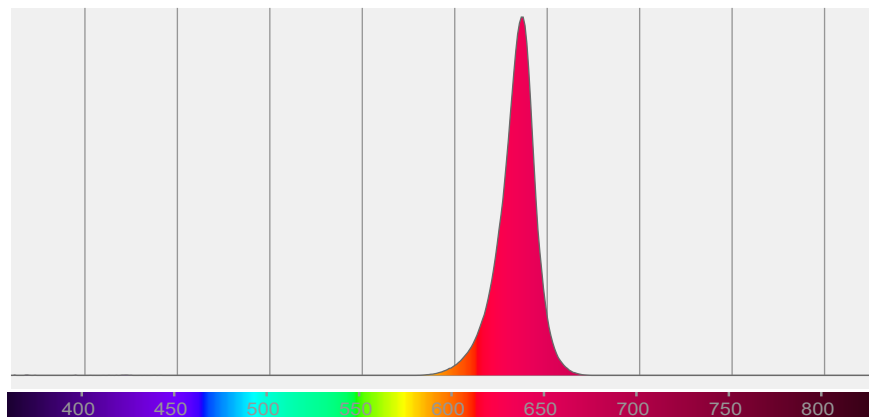


Beam angle 50%: 32,4°

Field angle 10%: 50,4°

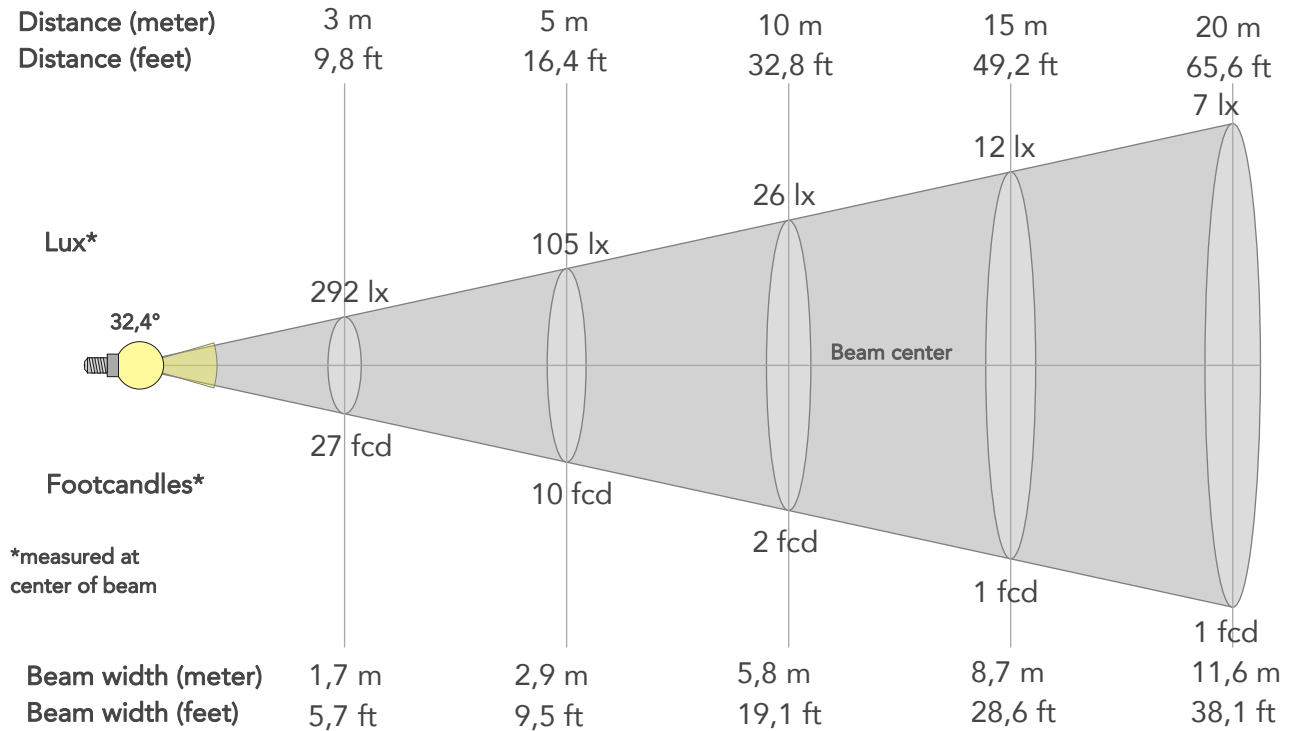
Cut off angle 2.5%: 58,9°

Spectra



BEAM DETAILS

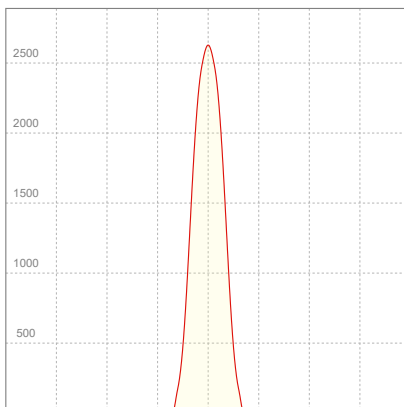
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,4°	50,4°	58,9°	100,0%	100,0%



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	2627lx	657lx	292lx	164lx	105lx	47lx	26lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	244fcd	61fcd	27fcd	15fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,7m	2,3m	2,9m	4,4m	5,8m	8,7m	11,6m	14,5m	17,4m	23,3m	29,1m
Beam wid.	1,9ft	3,8ft	5,7ft	7,6ft	9,5ft	14,3ft	19,1ft	28,6ft	38,1ft	47,7ft	57,2ft	76,3ft	95,4ft

LINEAR DISTRIBUTION DIAGRAM

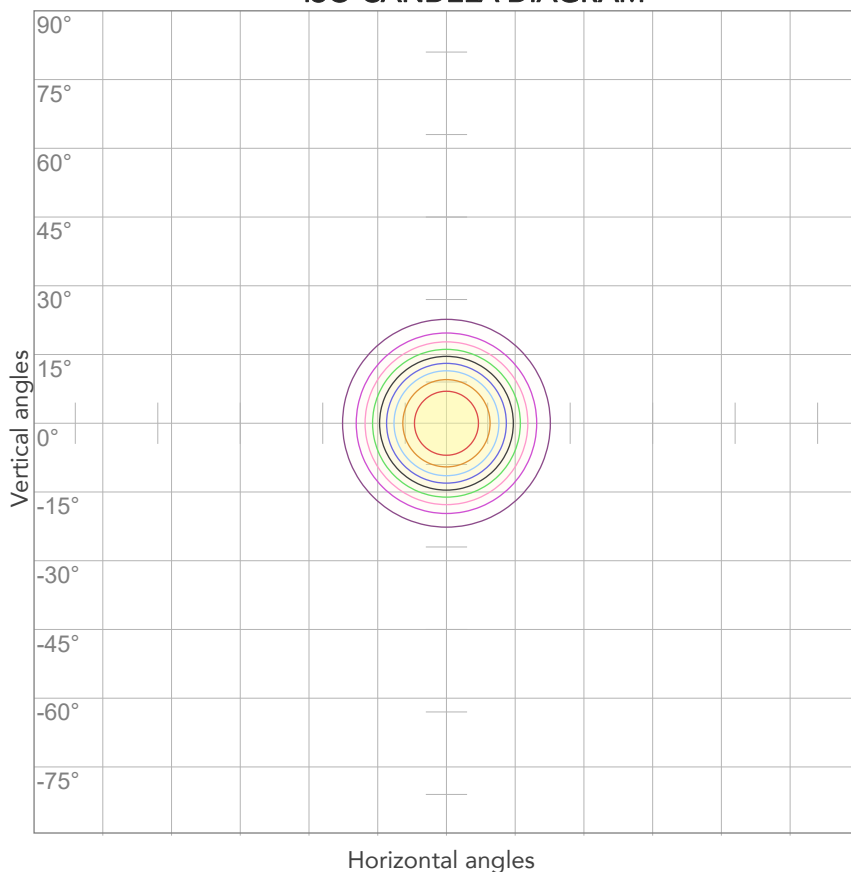


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,364A	63,7W	12lm/W

Power FC
0,77

ISO CANDELA DIAGRAM



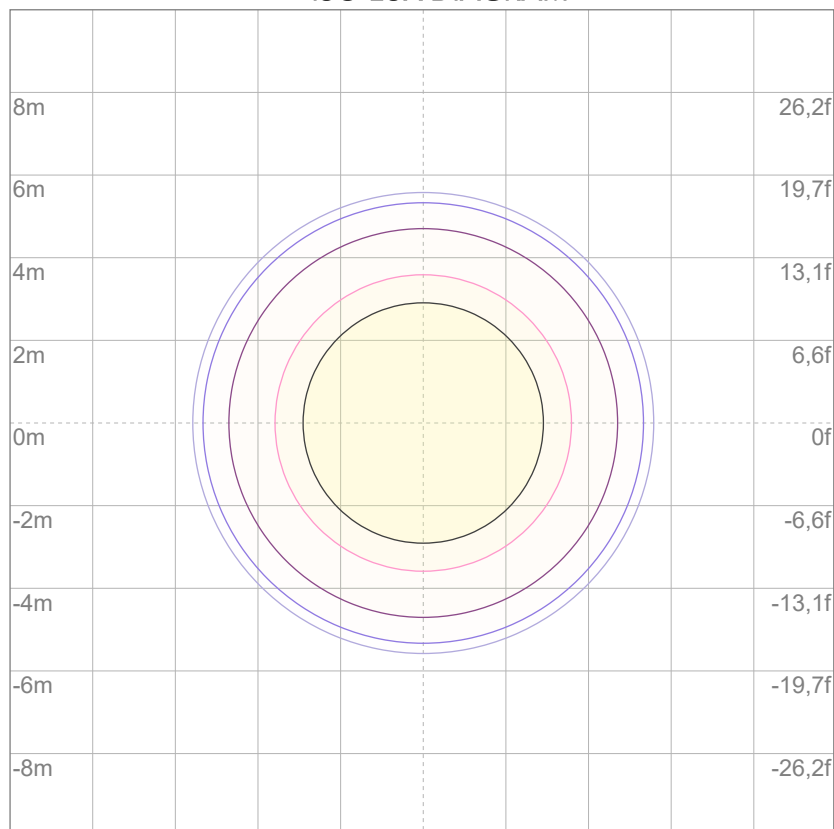
10%	263 cd
20%	525 cd
30%	788 cd
40%	1051 cd
50%	1314 cd
60%	1576 cd
70%	1839 cd
80%	2102 cd

Conditions:

Number of c-planes: 2

Candela at center: 2627 cd

ISO LUX DIAGRAM



3%	0,788 lx
5%	1,31 lx
10%	2,63 lx
30%	7,88 lx
50%	13,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 26,3 lx

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



Total lumen output:

661 lm

Peak candela output:

8464 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

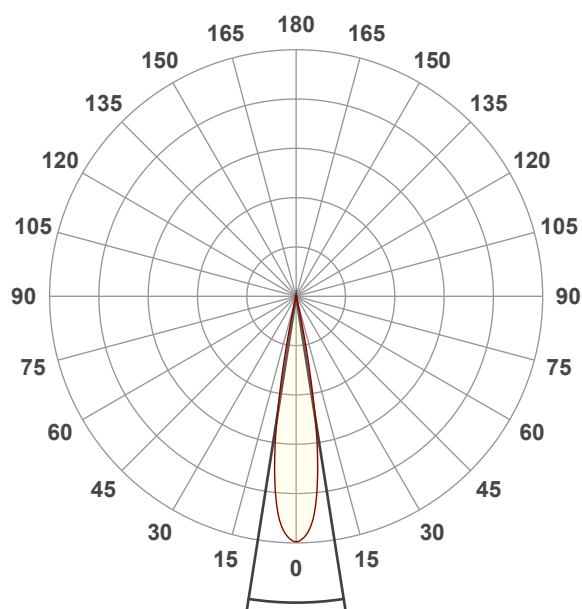
Red

Operator:

Paolo Carvone

Date and time:

05/04/2022 14:47:11

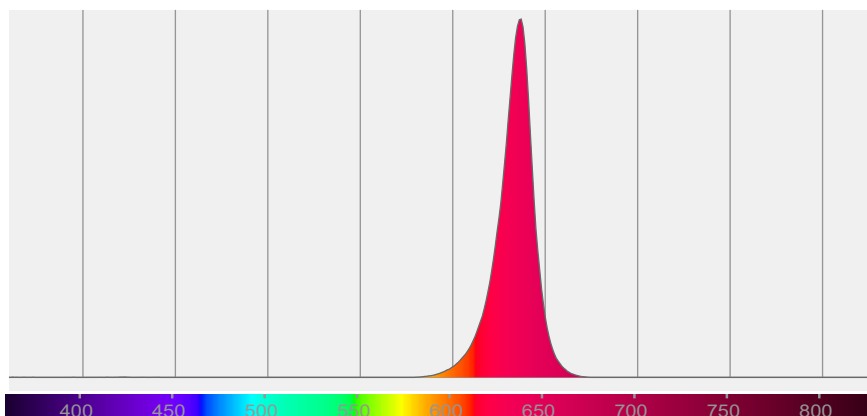


Beam angle 50%: 17,9°

Field angle 10%: 24,2°

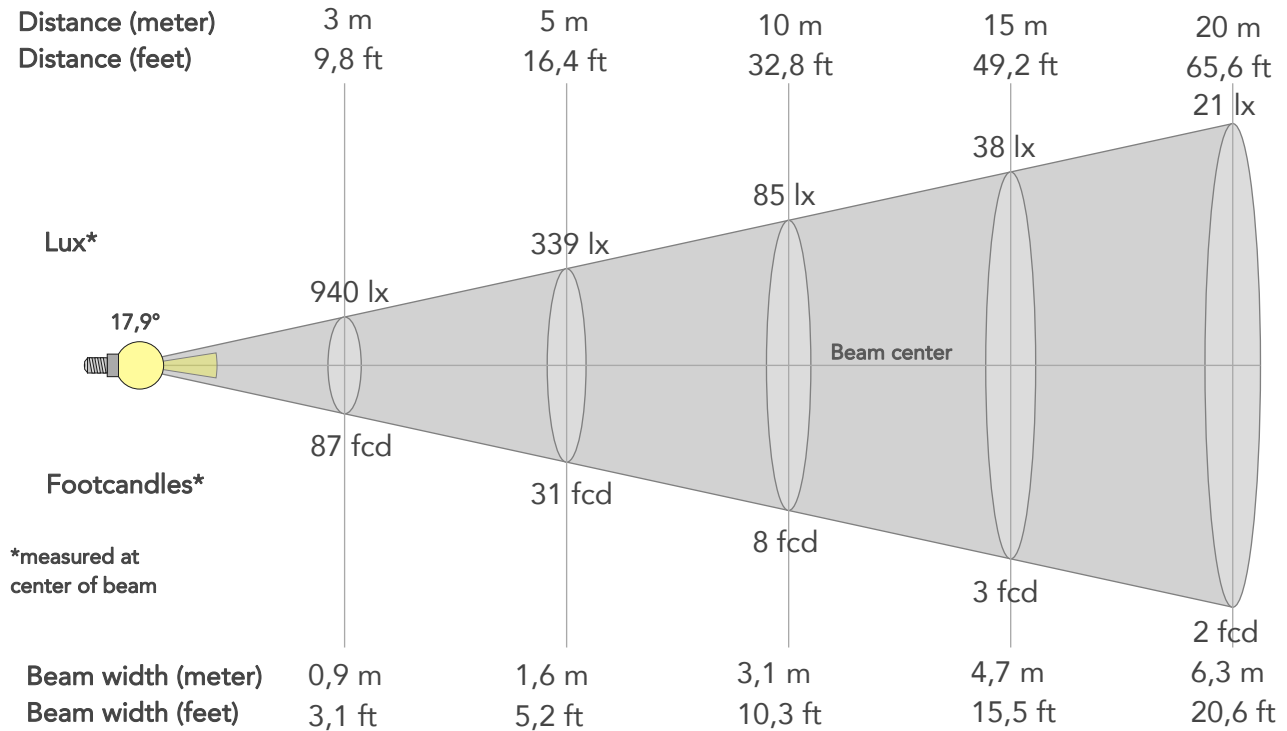
Cut off angle 2.5%: 26,5°

Spectra



BEAM DETAILS

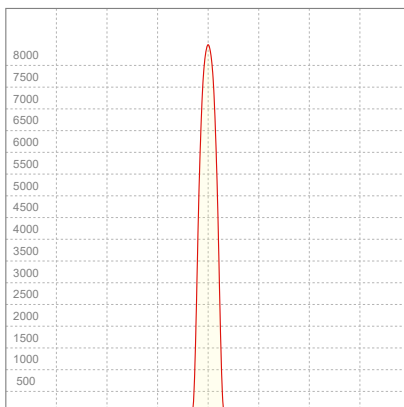
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	24,2°	26,5°	100,0%	100,0%



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	8464lx	2116lx	940lx	529lx	339lx	150lx	85lx	38lx	21lx	14lx	9lx	5lx	3lx
Footcand.	786fcd	197fcd	87fcd	49fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,9m	9,4m	12,6m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,7ft	10,3ft	15,5ft	20,6ft	25,8ft	30,9ft	41,2ft	51,6ft

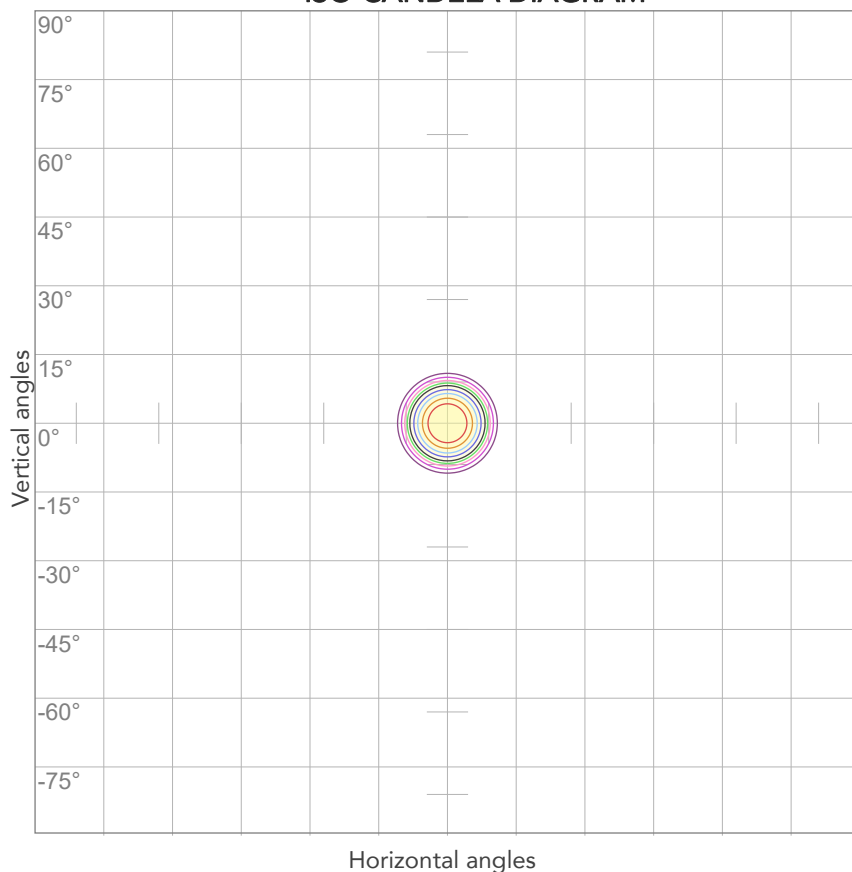
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,369A	64,8W	10lm/W
Power FC			
0,77			

ISO CANDELA DIAGRAM



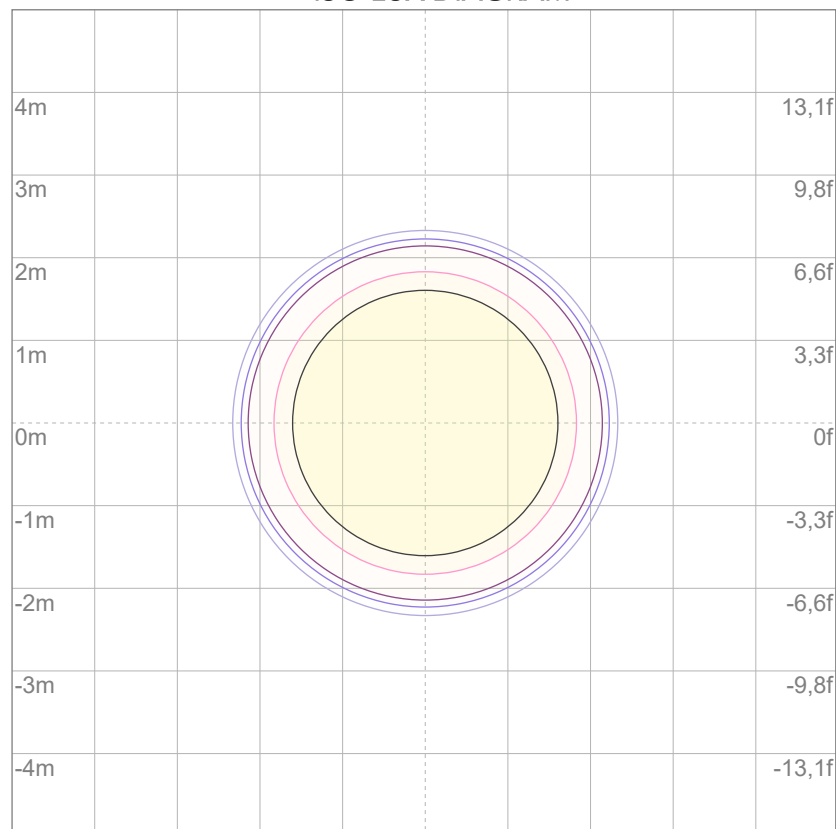
10%	846 cd
20%	1693 cd
30%	2539 cd
40%	3386 cd
50%	4232 cd
60%	5078 cd
70%	5925 cd
80%	6771 cd

Conditions:

Number of c-planes: 2

Candela at center: 8464 cd

ISO LUX DIAGRAM



3%	2,54 lx
5%	4,23 lx
10%	8,46 lx
30%	25,4 lx
50%	42,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 84,6 lx

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



Total lumen output:

467 lm

Peak candela output:

93509 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

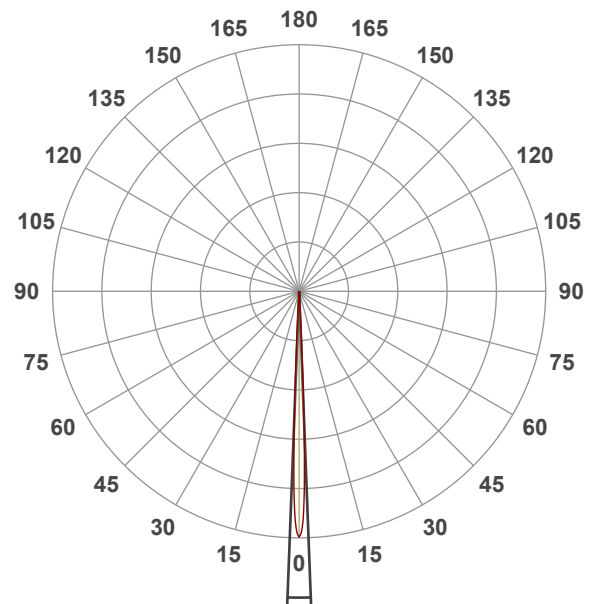
Red

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:17:07

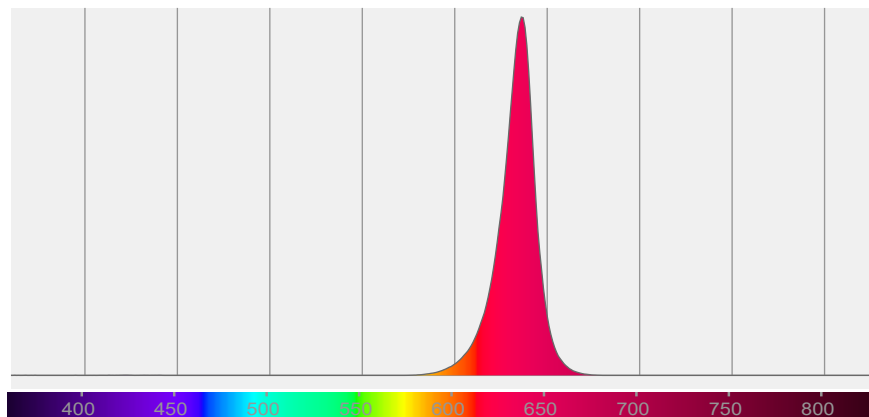


Beam angle 50%: 4,4°

Field angle 10%: 6,2°

Cut off angle 2.5%: 7,1°

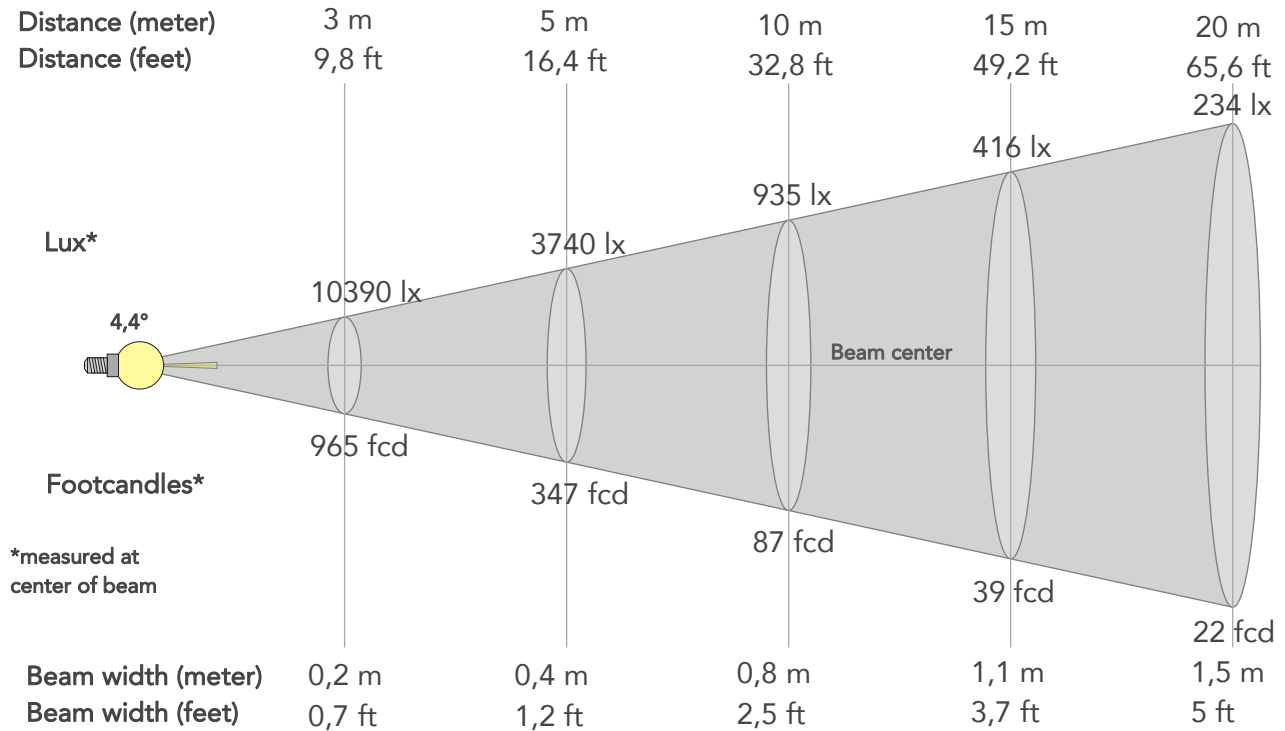
Spectra



BEAM DETAILS



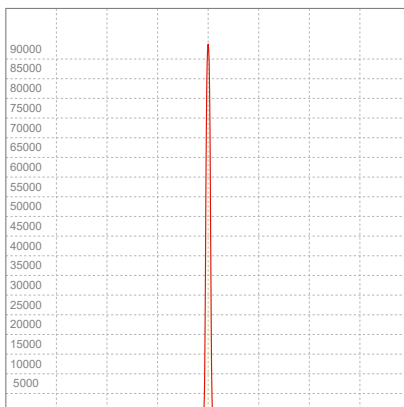
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,4°	6,2°	7,1°	99,9%	99,9%



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	93509lx	23377lx	10390lx	5844lx	3740lx	1662lx	935lx	416lx	234lx	150lx	104lx	58lx	37lx
Footcand.	8687fcd	2172fcd	965fcd	543fcd	347fcd	154fcd	87fcd	39fcd	22fcd	14fcd	10fcd	5fcd	3fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,1m	1,5m	1,9m	2,3m	3m	3,8m
Beam wid.	0,3ft	0,5ft	0,7ft	1ft	1,2ft	1,9ft	2,5ft	3,7ft	5ft	6,2ft	7,5ft	10ft	12,5ft

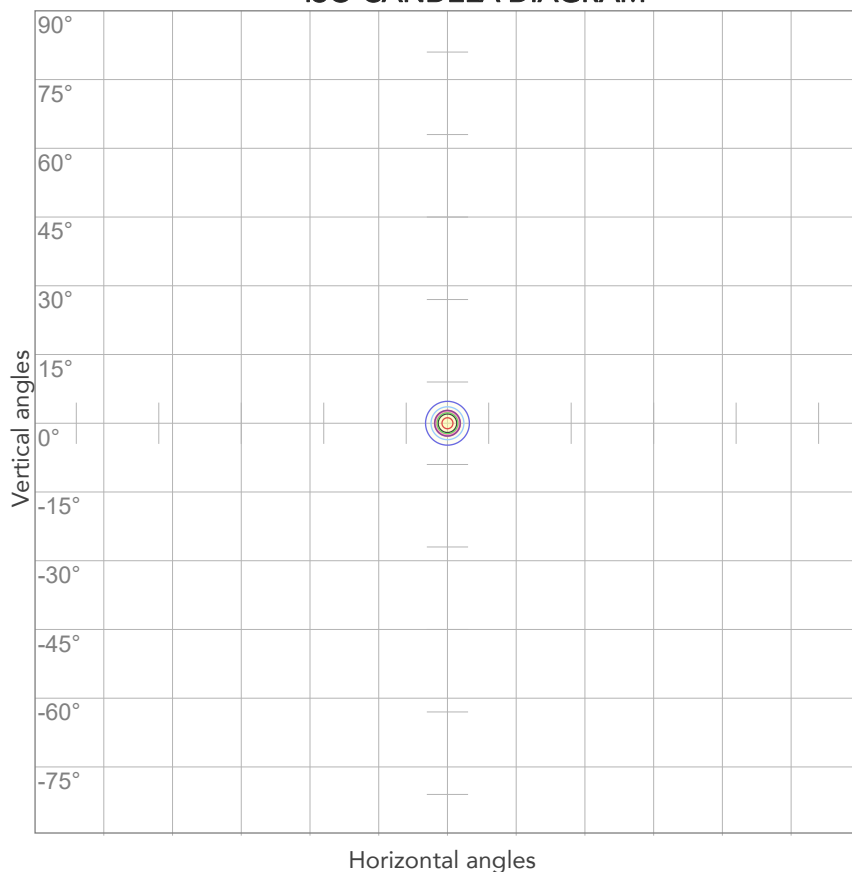
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,365A	63,8W	7lm/W
Power FC			
0,78			

ISO CANDELA DIAGRAM



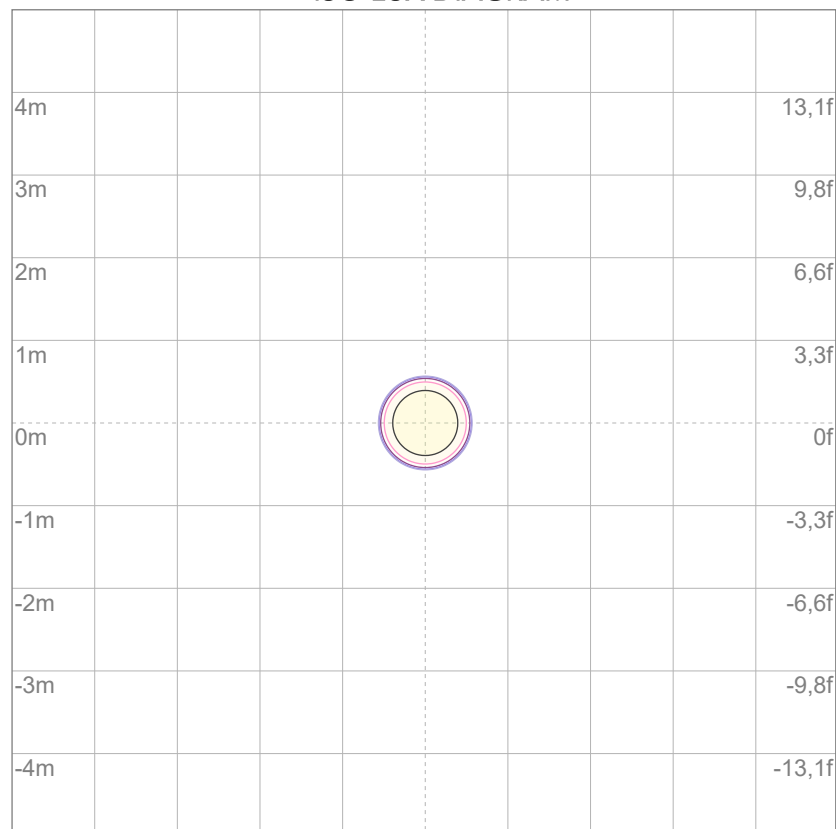
10%	9351 cd
20%	18702 cd
30%	28053 cd
40%	37403 cd
50%	46754 cd
60%	56105 cd
70%	65456 cd
80%	74807 cd

Conditions:

Number of c-planes: 2

Candela at center: 93509 cd

ISO LUX DIAGRAM



3%	28,1 lx
5%	46,8 lx
10%	93,5 lx
30%	281 lx
50%	468 lx

Conditions:

Number of c-planes: 2

Lux at center: 935 lx

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



Total lumen output:

1706 lm

Peak candela output:

5621 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

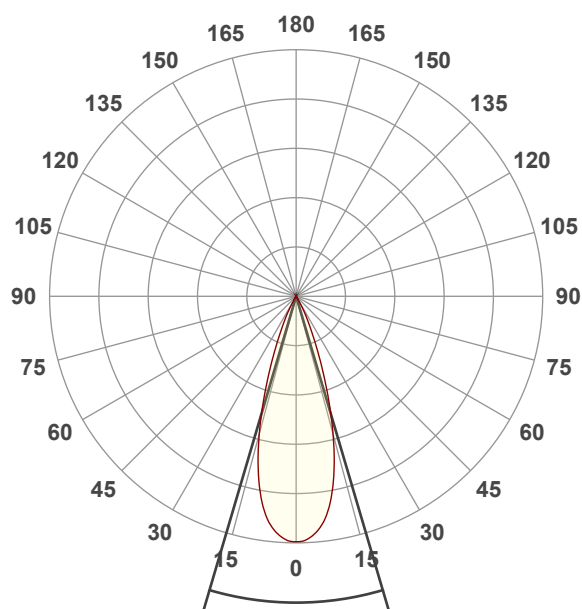
Green

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:00:43

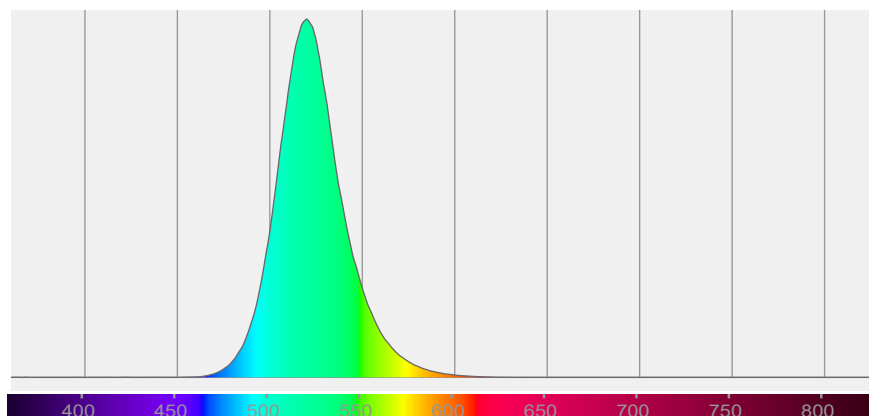


Beam angle 50%: 32,9°

Field angle 10%: 51,9°

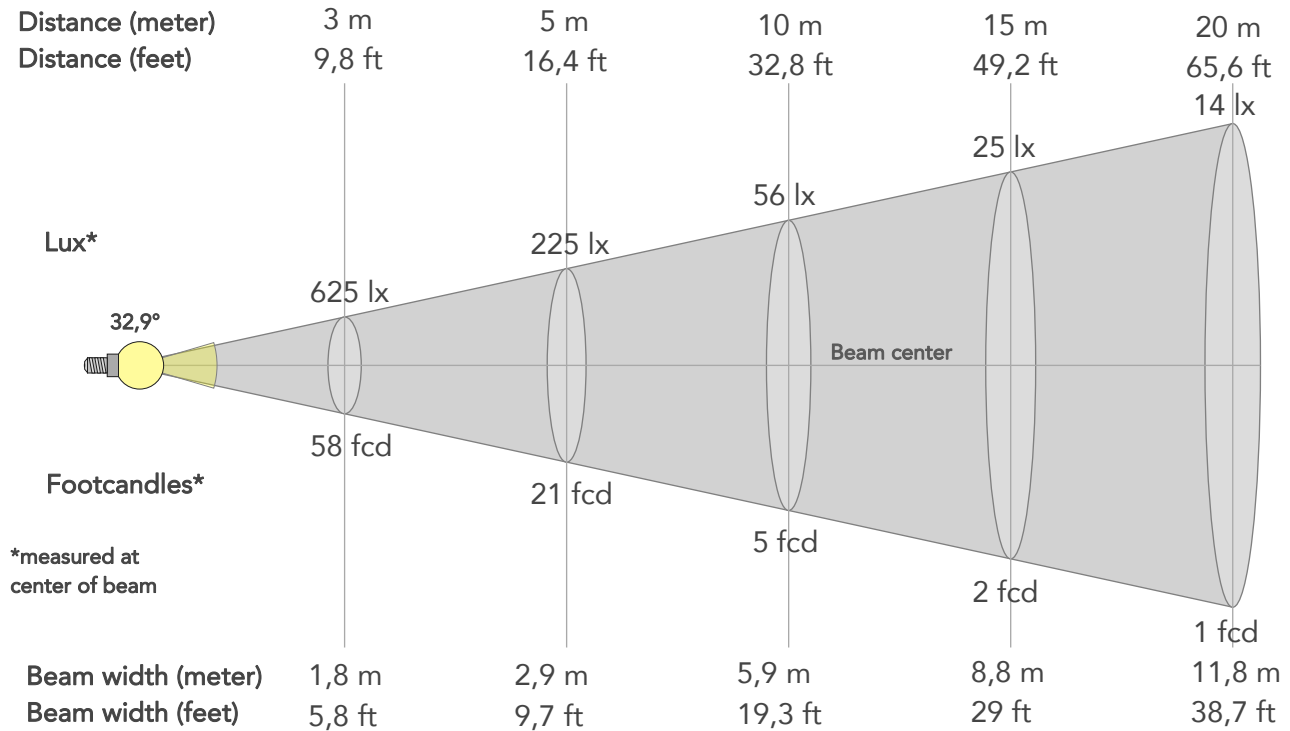
Cut off angle 2.5%: 59,9°

Spectra



BEAM DETAILS

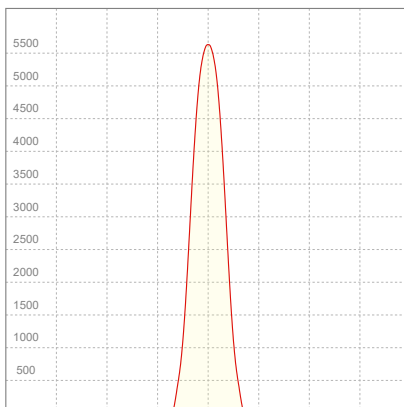
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,9°	51,9°	59,9°	100,0%	100,0%



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	5621lx	1405lx	625lx	351lx	225lx	100lx	56lx	25lx	14lx	9lx	6lx	4lx	2lx
Footcand.	522fcd	131fcd	58fcd	33fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	2,9m	4,4m	5,9m	8,8m	11,8m	14,7m	17,7m	23,6m	29,5m
Beam wid.	1,9ft	3,9ft	5,8ft	7,7ft	9,7ft	14,5ft	19,3ft	29ft	38,7ft	48,4ft	58ft	77,4ft	96,7ft

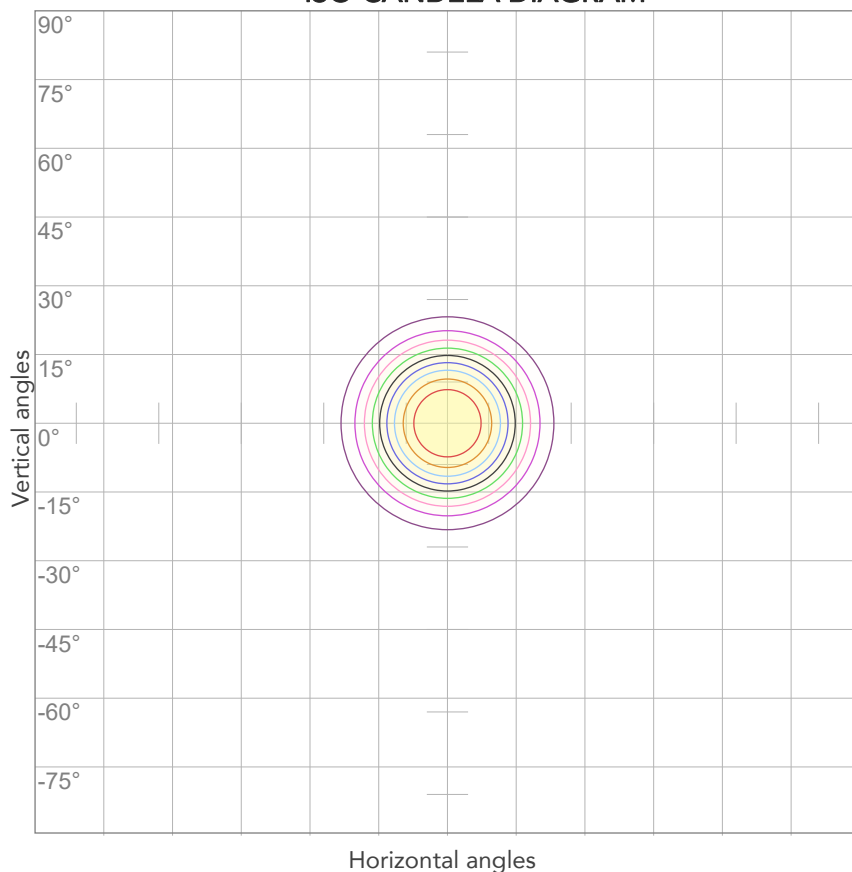
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,475A	90,9W	19lm/W
Power FC			
0,84			

ISO CANDELA DIAGRAM



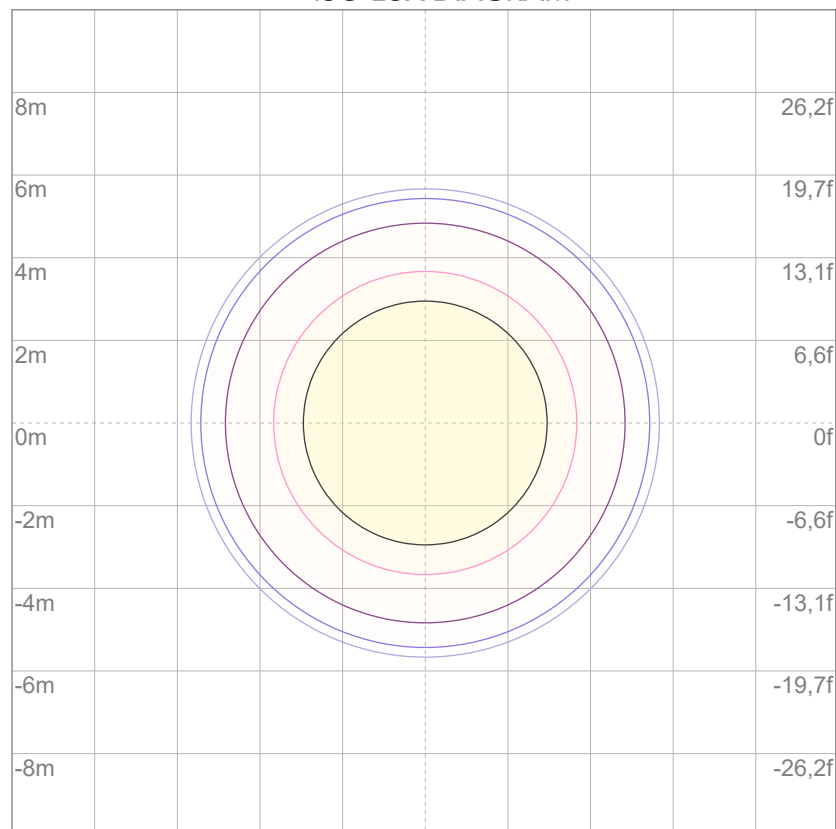
10%	562 cd
20%	1124 cd
30%	1686 cd
40%	2248 cd
50%	2811 cd
60%	3373 cd
70%	3935 cd
80%	4497 cd

Conditions:

Number of c-planes: 2

Candela at center: 5621 cd

ISO LUX DIAGRAM



3%	1,69 lx
5%	2,81 lx
10%	5,62 lx
30%	16,9 lx
50%	28,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 56,2 lx

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



Total lumen output:

1448 lm

Peak candela output:

18633 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

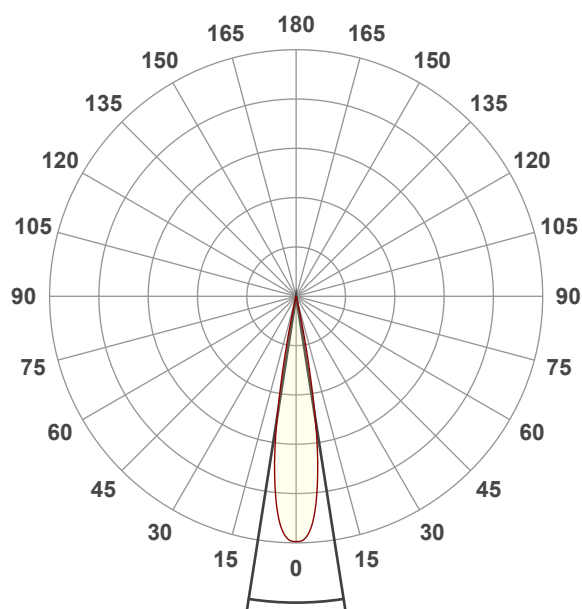
Green

Operator:

Paolo Carvone

Date and time:

05/04/2022 14:49:50

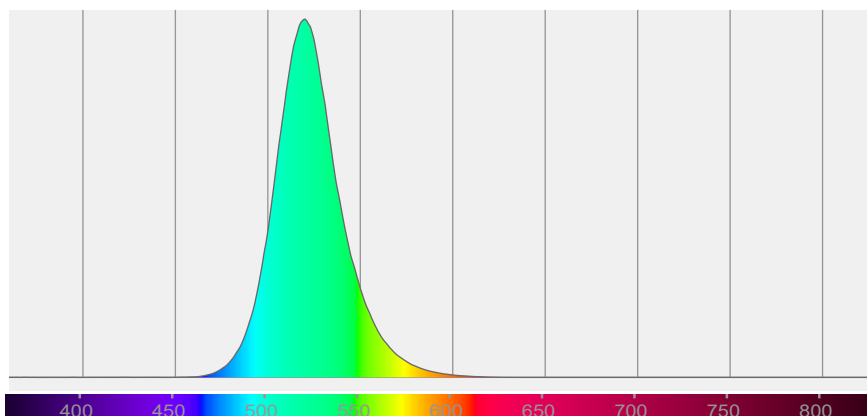


Beam angle 50%: 17,8°

Field angle 10%: 24°

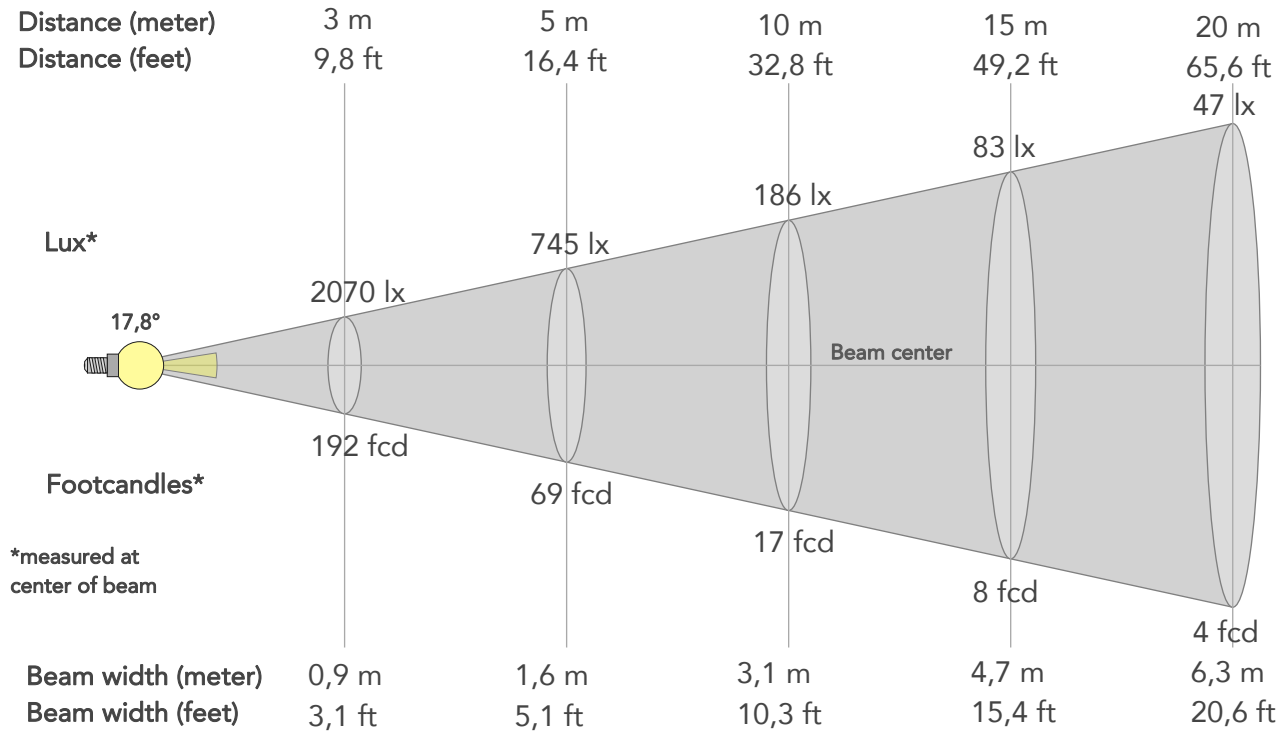
Cut off angle 2.5%: 26,5°

Spectra



BEAM DETAILS

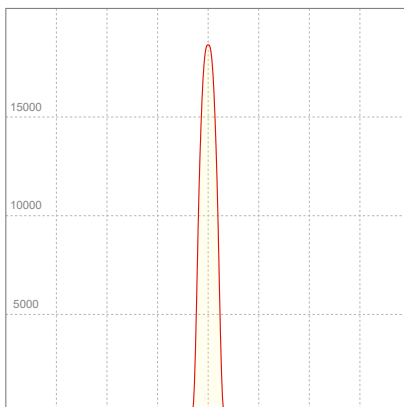
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,8°	24°	26,5°	100,0%	100,0%



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	18633lx	4658lx	2070lx	1165lx	745lx	331lx	186lx	83lx	47lx	30lx	21lx	12lx	7lx
Footcand.	1731fcd	433fcd	192fcd	108fcd	69fcd	31fcd	17fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,8m	9,4m	12,5m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,3ft	15,4ft	20,6ft	25,7ft	30,9ft	41,2ft	51,4ft

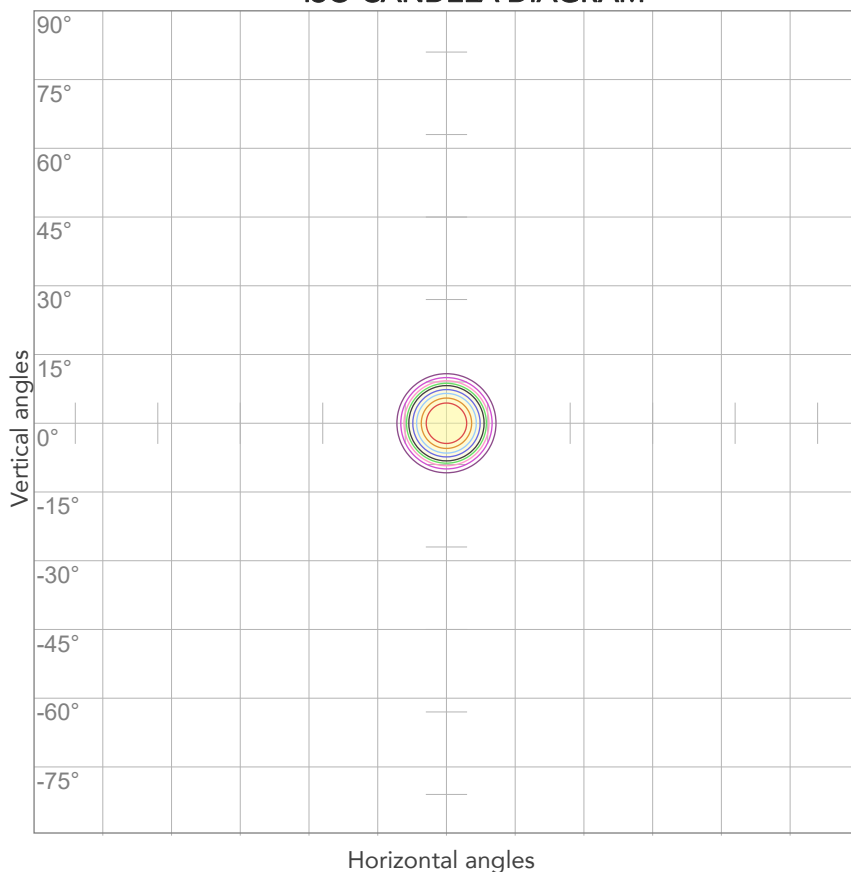
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,477A	90,9W	16lm/W
Power FC			
0,84			

ISO CANDELA DIAGRAM



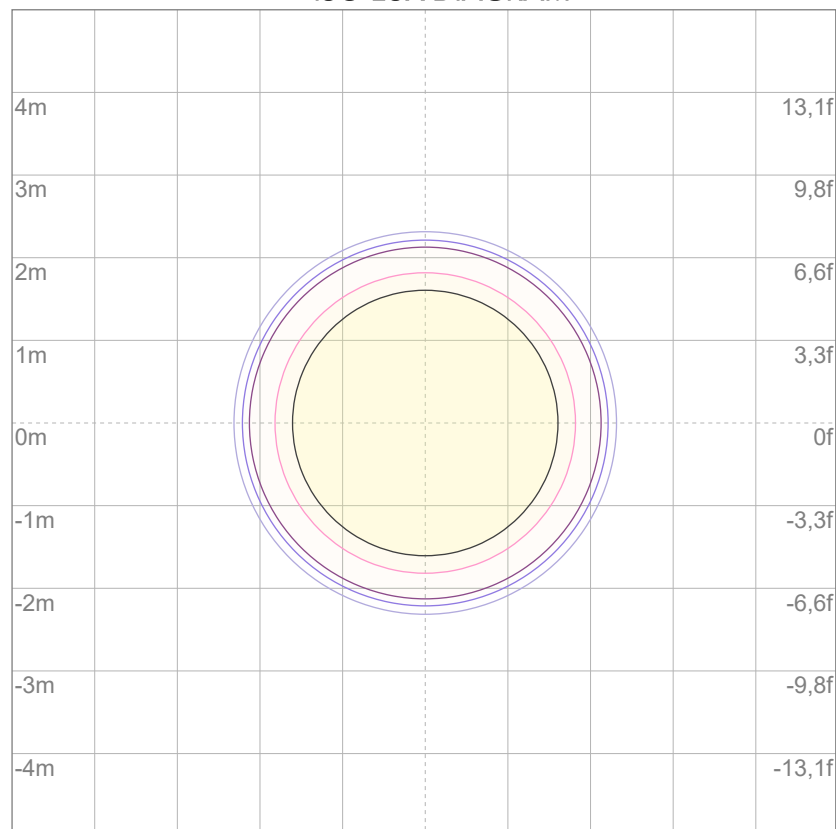
10%	1863 cd
20%	3727 cd
30%	5590 cd
40%	7453 cd
50%	9317 cd
60%	11180 cd
70%	13043 cd
80%	14906 cd

Conditions:

Number of c-planes: 2

Candela at center: 18633 cd

ISO LUX DIAGRAM



3%	5,59 lx
5%	9,32 lx
10%	18,6 lx
30%	55,9 lx
50%	93,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 186 lx

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



Total lumen output:

1018 lm

Peak candela output:

185802 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

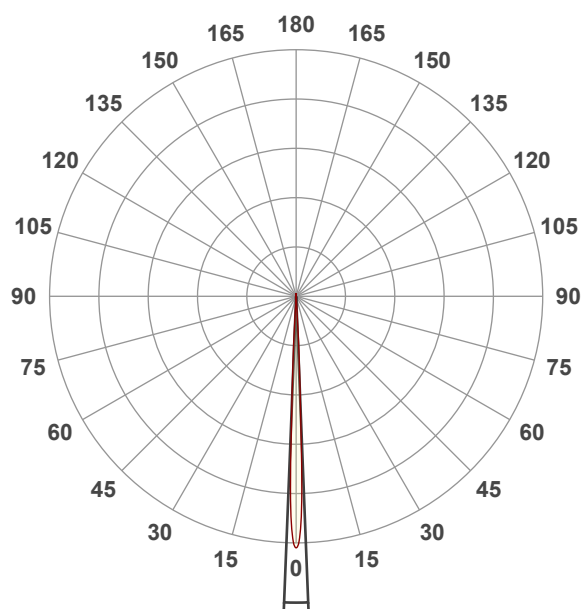
Green

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:18:28

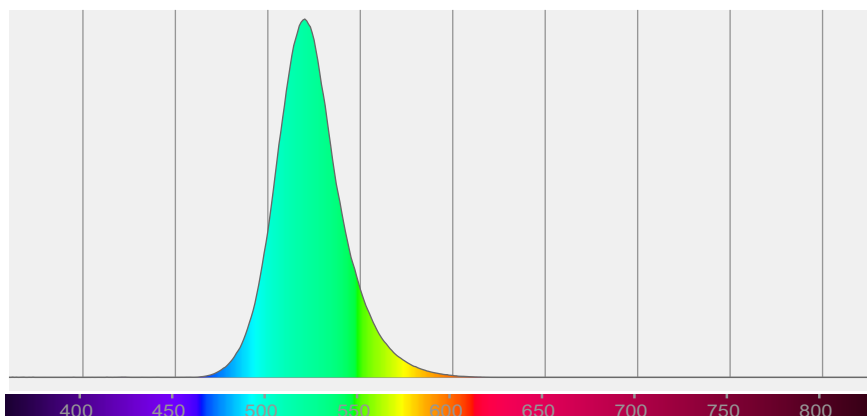


Beam angle 50%: 4,5°

Field angle 10%: 6,8°

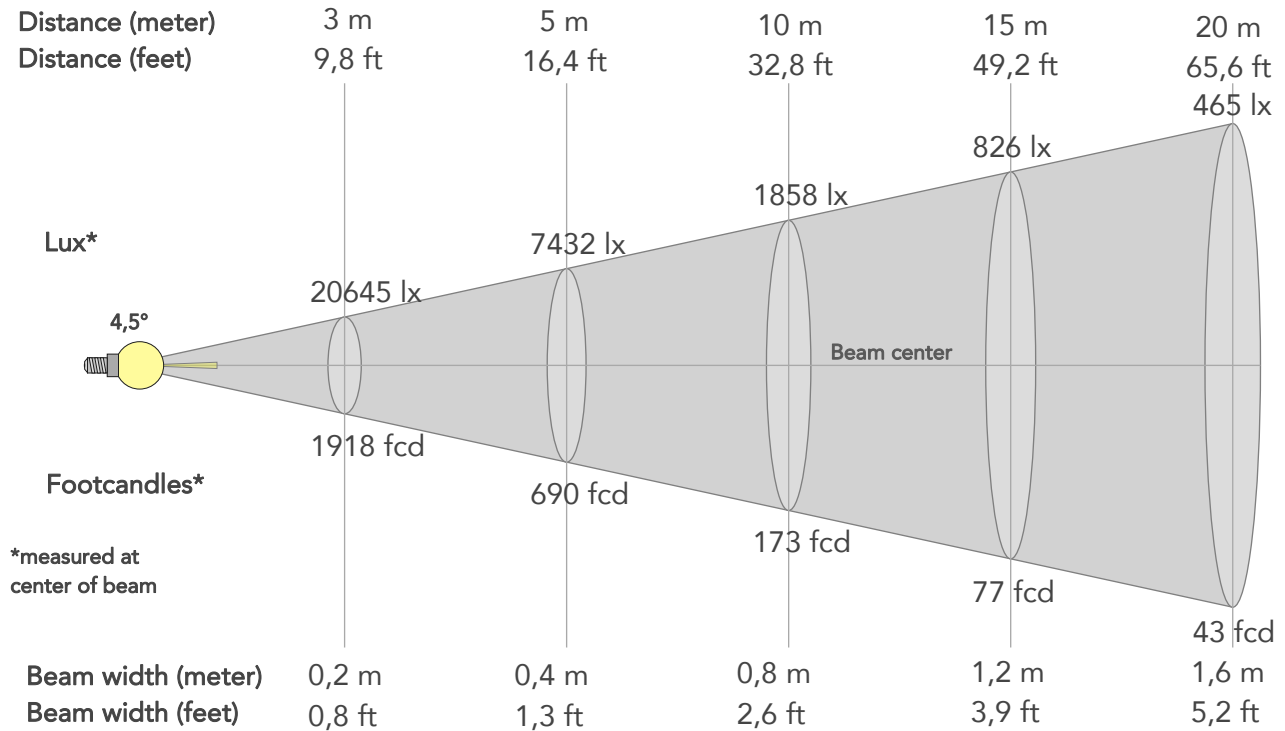
Cut off angle 2.5%: 7,3°

Spectra



BEAM DETAILS

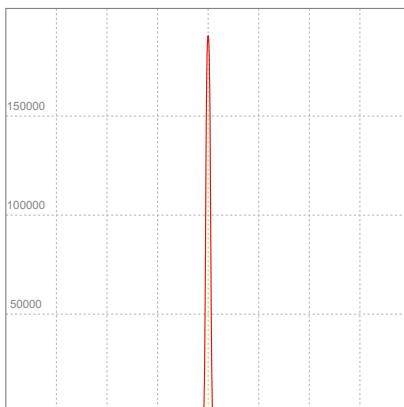
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,5°	6,8°	7,3°	100,0%	100,0%



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	185802lx	46450lx	20645lx	11613lx	7432lx	3303lx	1858lx	826lx	465lx	297lx	206lx	116lx	74lx
Footcand.	17262fcd	4315fcd	1918fcd	1079fcd	690fcd	307fcd	173fcd	77fcd	43fcd	28fcd	19fcd	11fcd	7fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,1m	3,9m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,6ft	3,9ft	5,2ft	6,5ft	7,7ft	10,3ft	12,9ft

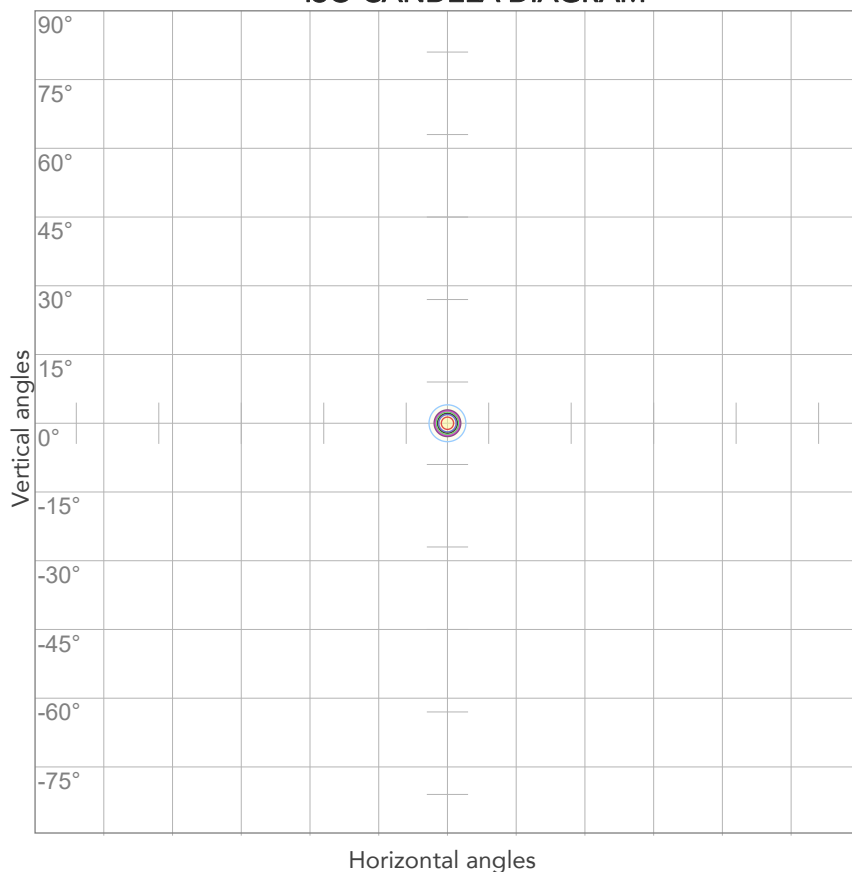
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,478A	91,0W	11lm/W
Power FC			
0,85			

ISO CANDELA DIAGRAM



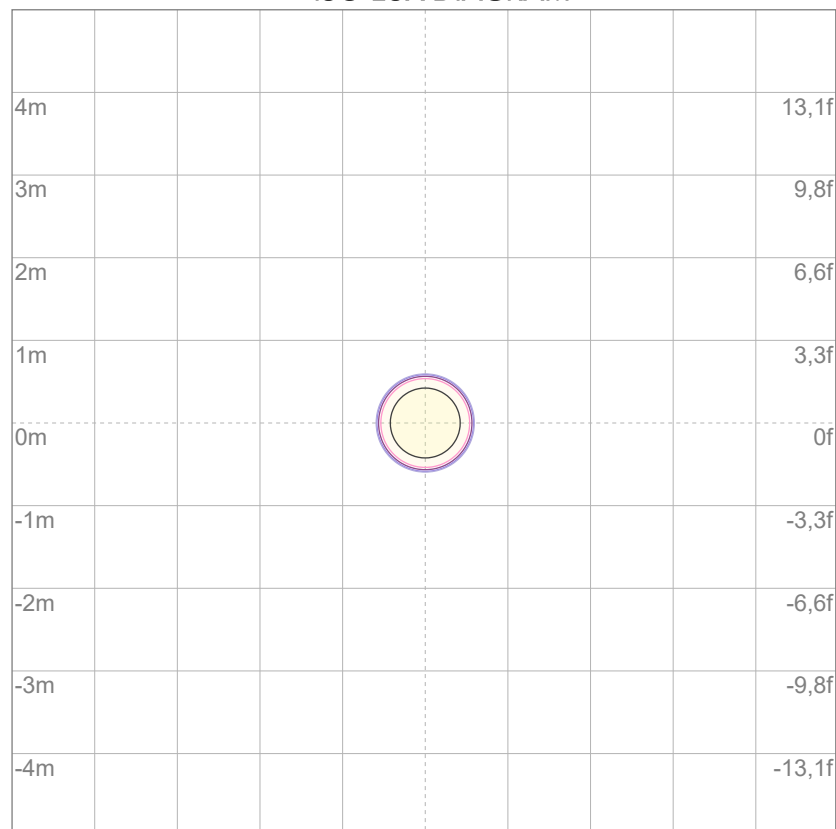
10%	18580 cd
20%	37160 cd
30%	55741 cd
40%	74321 cd
50%	92901 cd
60%	111481 cd
70%	130061 cd
80%	148641 cd

Conditions:

Number of c-planes: 2

Candela at center: 185802 cd

ISO LUX DIAGRAM



3%	55,7 lx
5%	92,9 lx
10%	186 lx
30%	557 lx
50%	929 lx

Conditions:

Number of c-planes: 2

Lux at center: 1858 lx

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



Total lumen output:

475 lm

Peak candela output:

1627 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

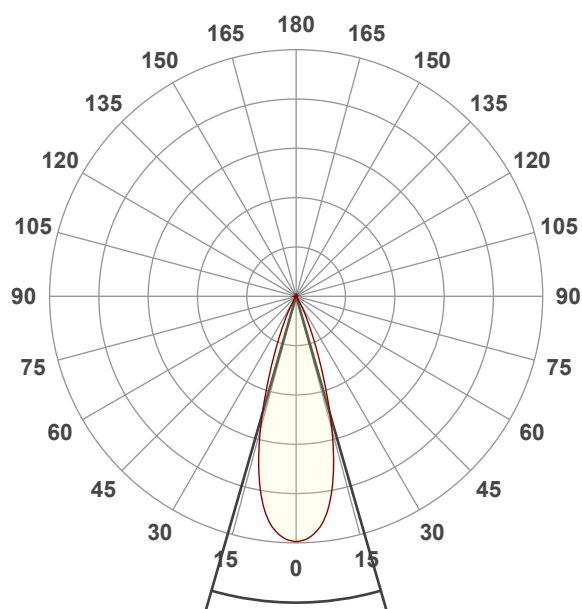
Blue

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:02:26

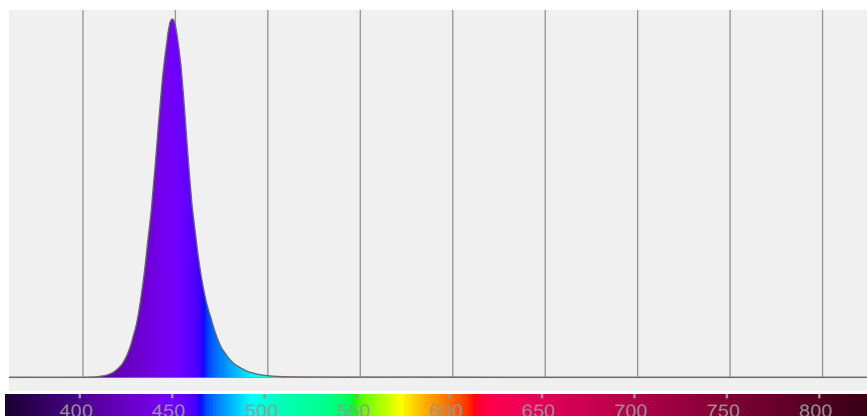


Beam angle 50%: 32,1°

Field angle 10%: 51°

Cut off angle 2.5%: 59,3°

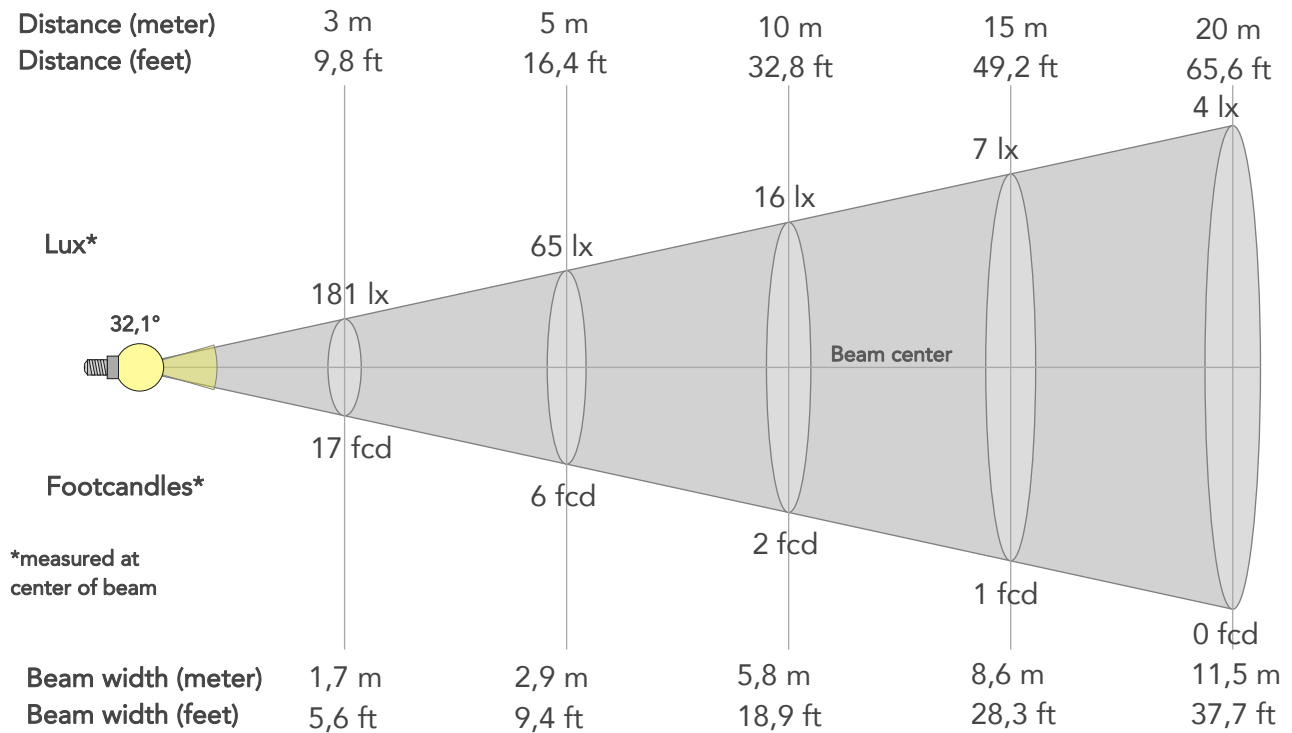
Spectra



BEAM DETAILS



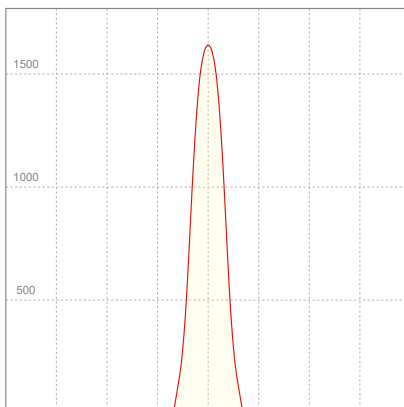
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,1°	51°	59,3°	100,0%	99,9%



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	1627lx	407lx	181lx	102lx	65lx	29lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	151fcd	38fcd	17fcd	9fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,7m	2,3m	2,9m	4,3m	5,8m	8,6m	11,5m	14,4m	17,3m	23m	28,8m
Beam wid.	1,9ft	3,8ft	5,6ft	7,5ft	9,4ft	14,2ft	18,9ft	28,3ft	37,7ft	47,2ft	56,6ft	75,5ft	94,4ft

LINEAR DISTRIBUTION DIAGRAM

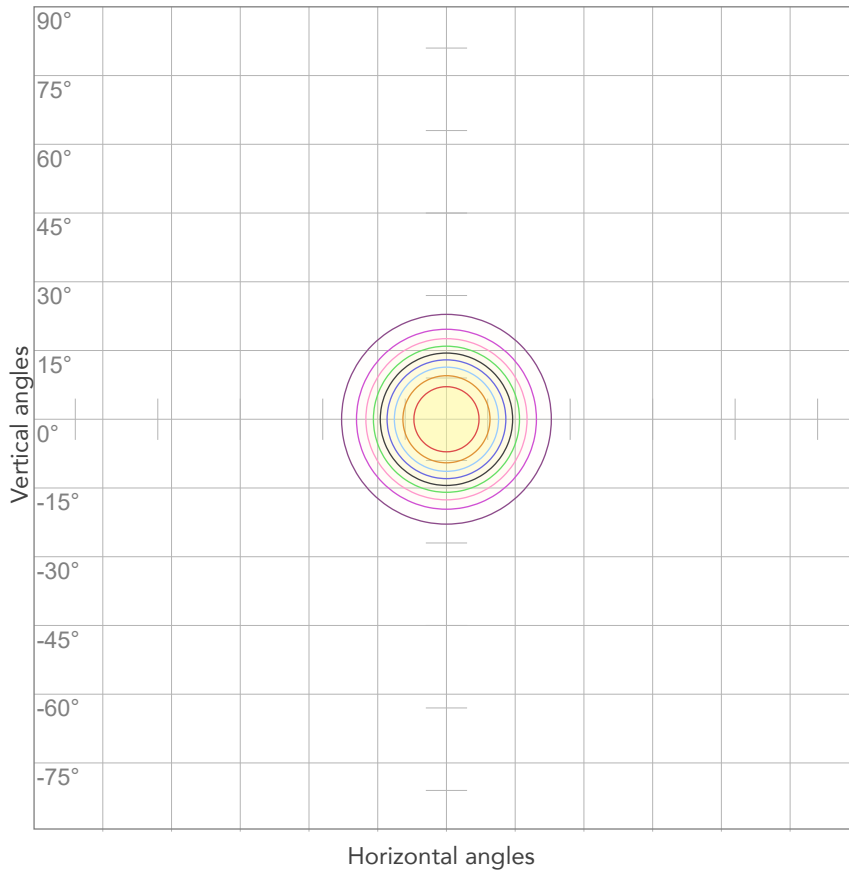


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,495A	95,6W	5lm/W

Power FC
0,85

ISO CANDELA DIAGRAM



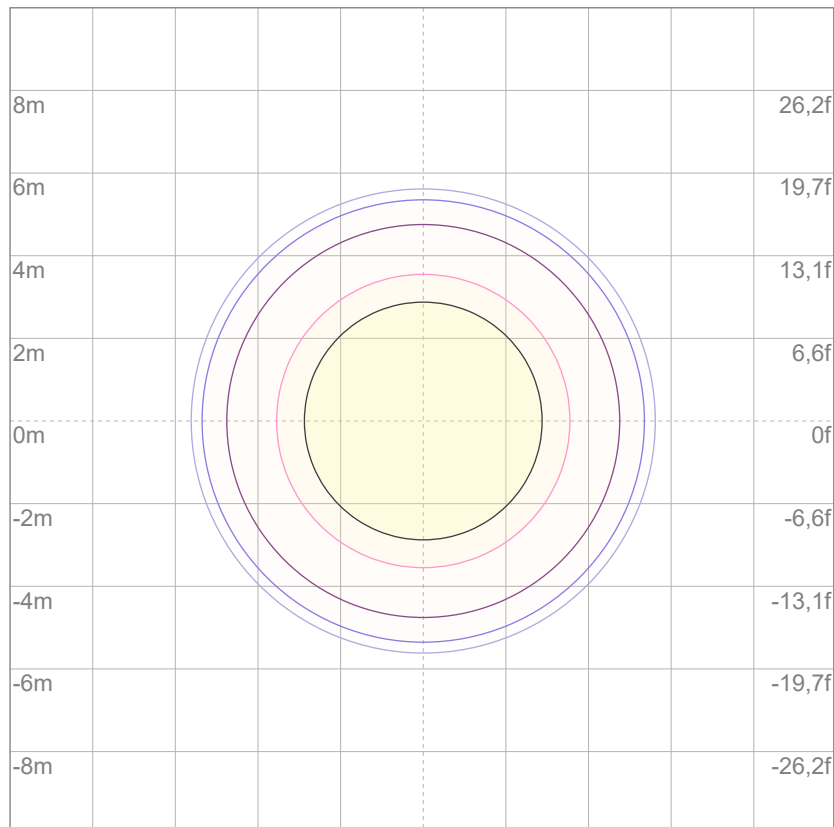
10%	163 cd
20%	325 cd
30%	488 cd
40%	651 cd
50%	814 cd
60%	976 cd
70%	1139 cd
80%	1302 cd

Conditions:

Number of c-planes: 2

Candela at center: 1627 cd

ISO LUX DIAGRAM



3%	0,488 lx
5%	0,814 lx
10%	1,63 lx
30%	4,88 lx
50%	8,14 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,3 lx

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



Total lumen output:

407 lm

Peak candela output:

5523 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

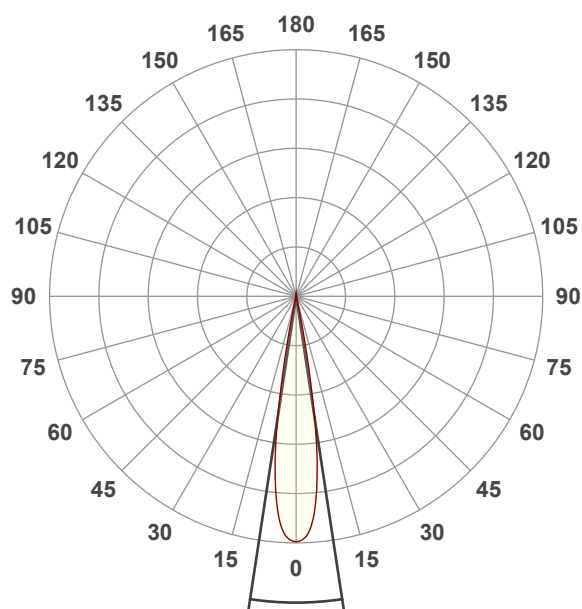
Blue

Operator:

Paolo Carvone

Date and time:

05/04/2022 14:51:34

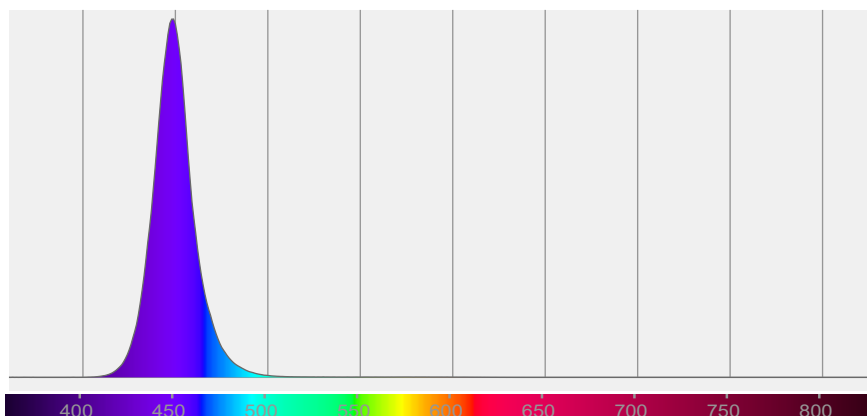


Beam angle 50%: 17,3°

Field angle 10%: 23,4°

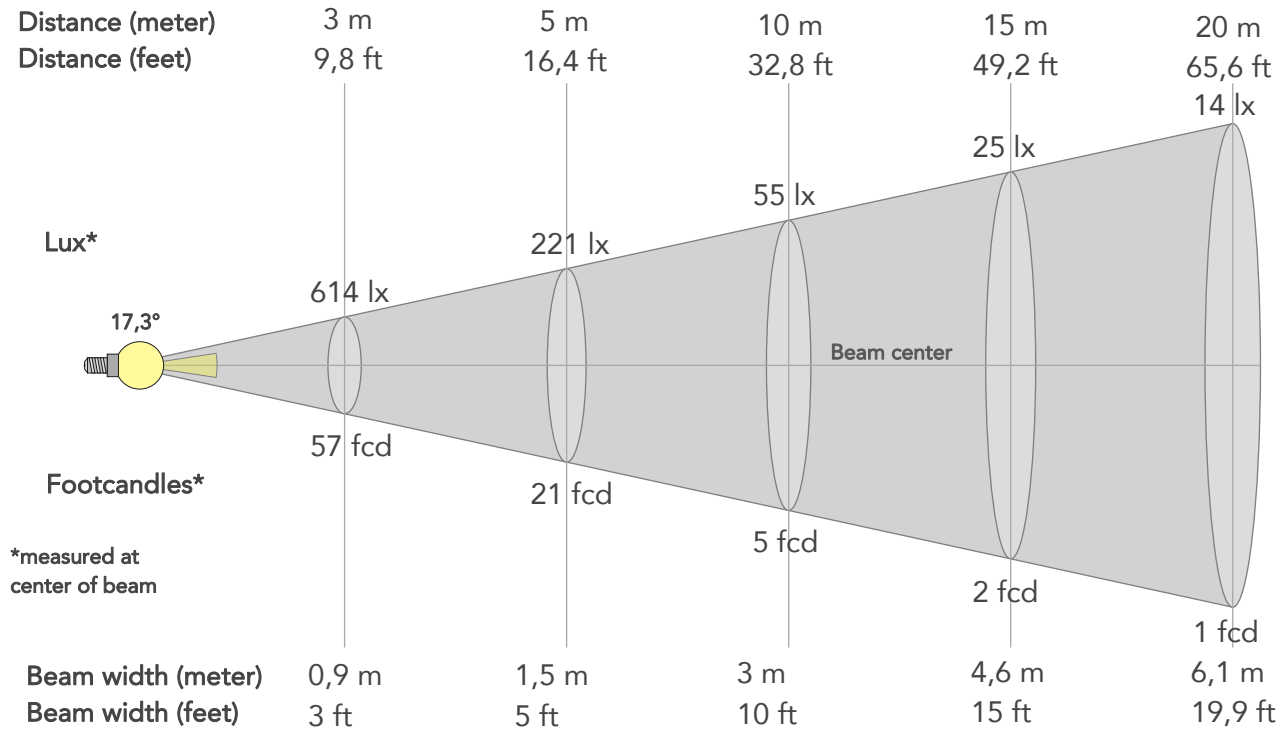
Cut off angle 2.5%: 25,8°

Spectra



BEAM DETAILS

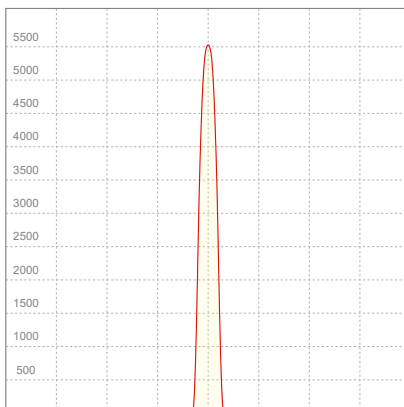
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,3°	23,4°	25,8°	99,6%	99,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5523lx	1381lx	614lx	345lx	221lx	98lx	55lx	25lx	14lx	9lx	6lx	3lx	2lx
Footcand.	513fcd	128fcd	57fcd	32fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,3m	3m	4,6m	6,1m	7,6m	9,1m	12,2m	15,2m
Beam wid.	1ft	2ft	3ft	4ft	5ft	7,5ft	10ft	15ft	19,9ft	24,9ft	29,9ft	39,9ft	49,9ft

LINEAR DISTRIBUTION DIAGRAM

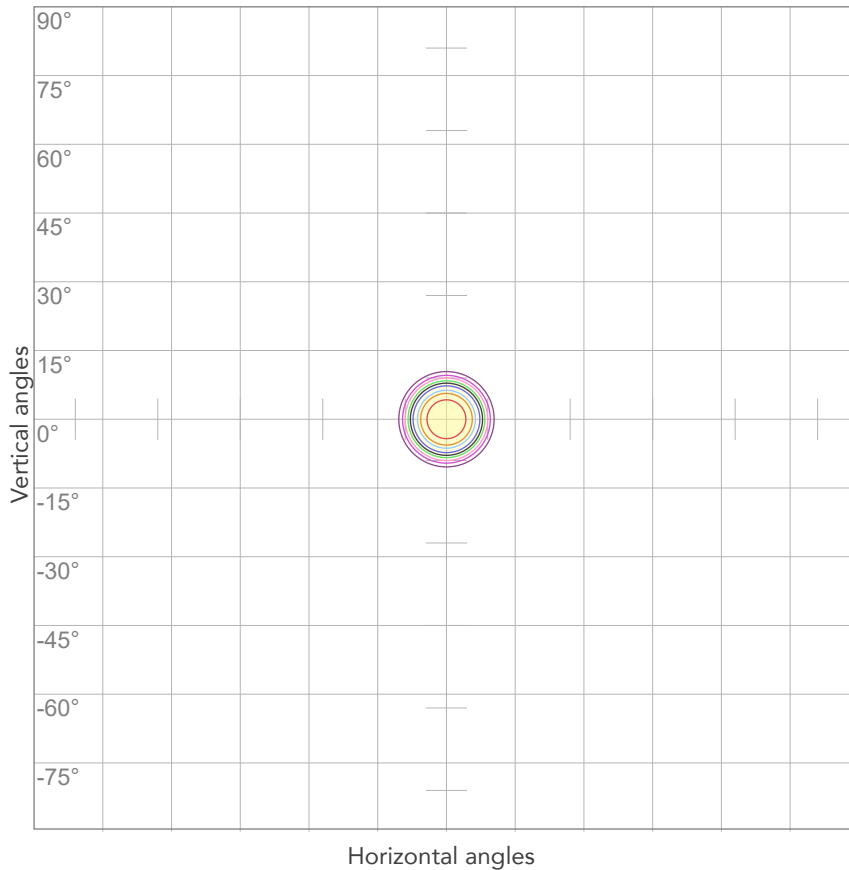


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,493A	94,8W	4lm/W

Power FC
0,84

ISO CANDELA DIAGRAM



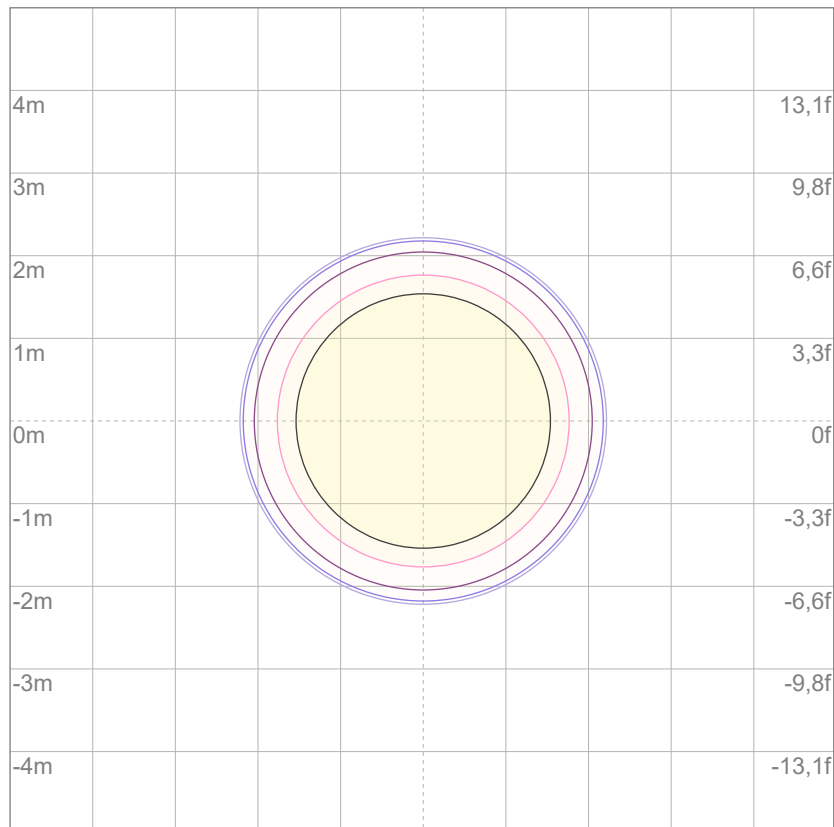
10%	552 cd
20%	1105 cd
30%	1657 cd
40%	2209 cd
50%	2762 cd
60%	3314 cd
70%	3866 cd
80%	4418 cd

Conditions:

Number of c-planes: 2

Candela at center: 5523 cd

ISO LUX DIAGRAM



3%	1,66 lx
5%	2,76 lx
10%	5,52 lx
30%	16,6 lx
50%	27,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 55,2 lx

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



Total lumen output:

275 lm

Peak candela output:

54553 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

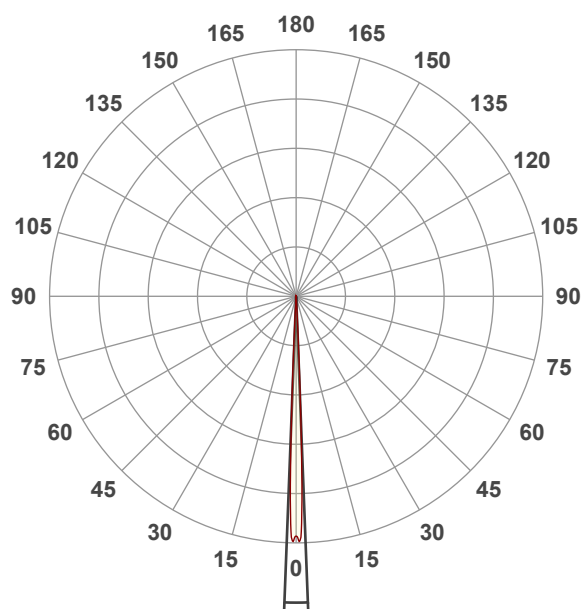
Blue

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:19:41

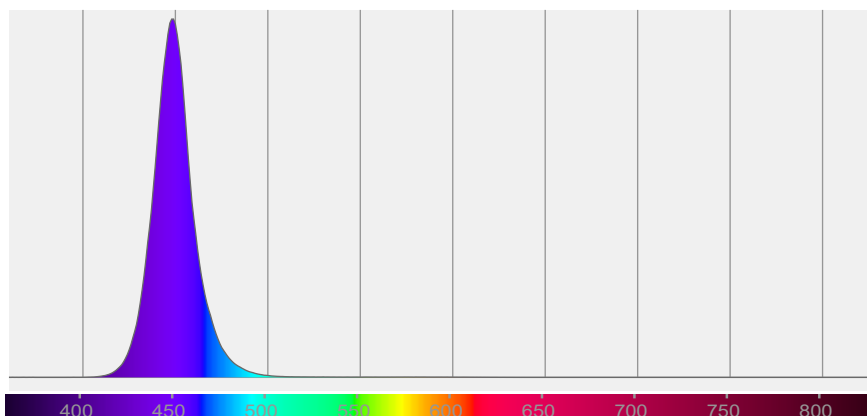


Beam angle 50%: 4,4°

Field angle 10%: 6,1°

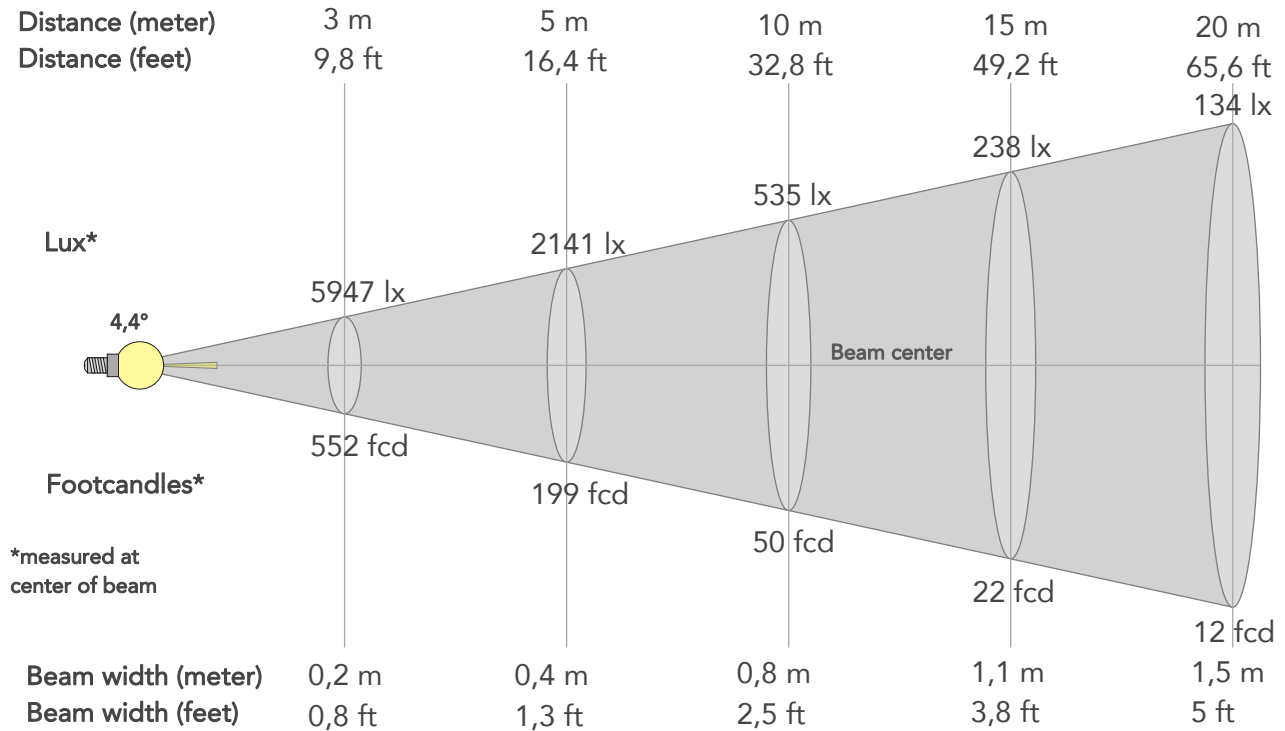
Cut off angle 2.5%: 6,8°

Spectra



BEAM DETAILS

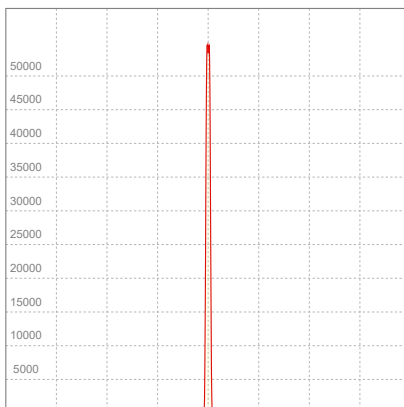
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,4°	6,1°	6,8°	99,8%	99,8%



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	53521lx	13380lx	5947lx	3345lx	2141lx	951lx	535lx	238lx	134lx	86lx	59lx	33lx	21lx
Footcand.	4972fcd	1243fcd	552fcd	311fcd	199fcd	88fcd	50fcd	22fcd	12fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,1m	1,5m	1,9m	2,3m	3,1m	3,8m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,5ft	3,8ft	5ft	6,3ft	7,5ft	10,1ft	12,6ft

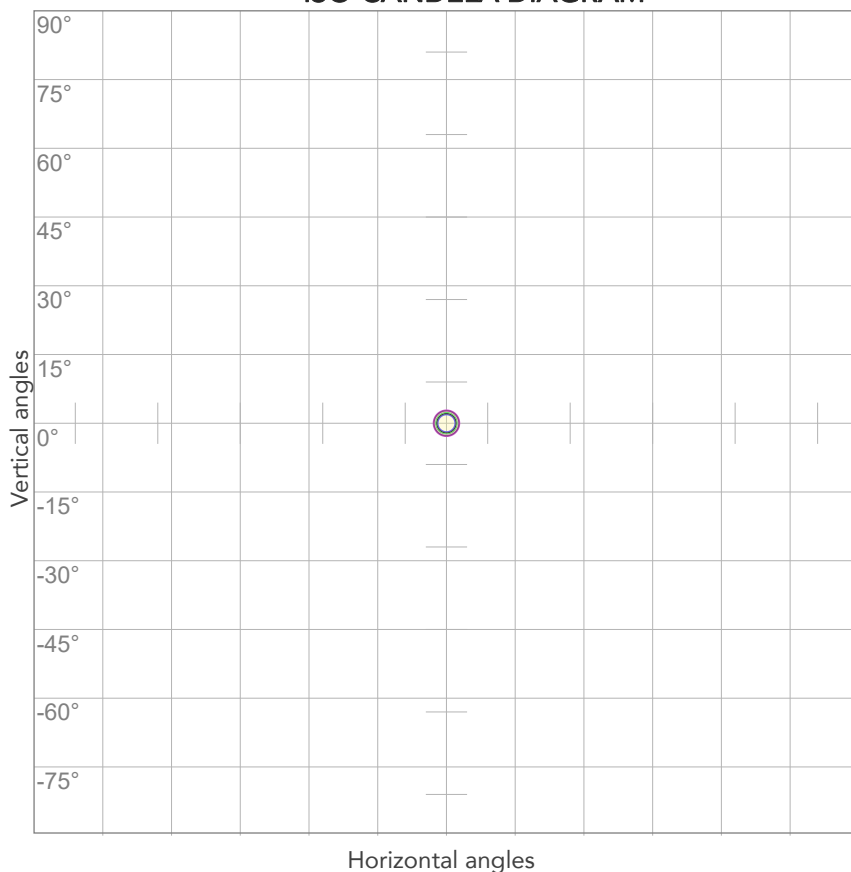
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,495A	94,9W	3lm/W
Power FC			
0,85			

ISO CANDELA DIAGRAM



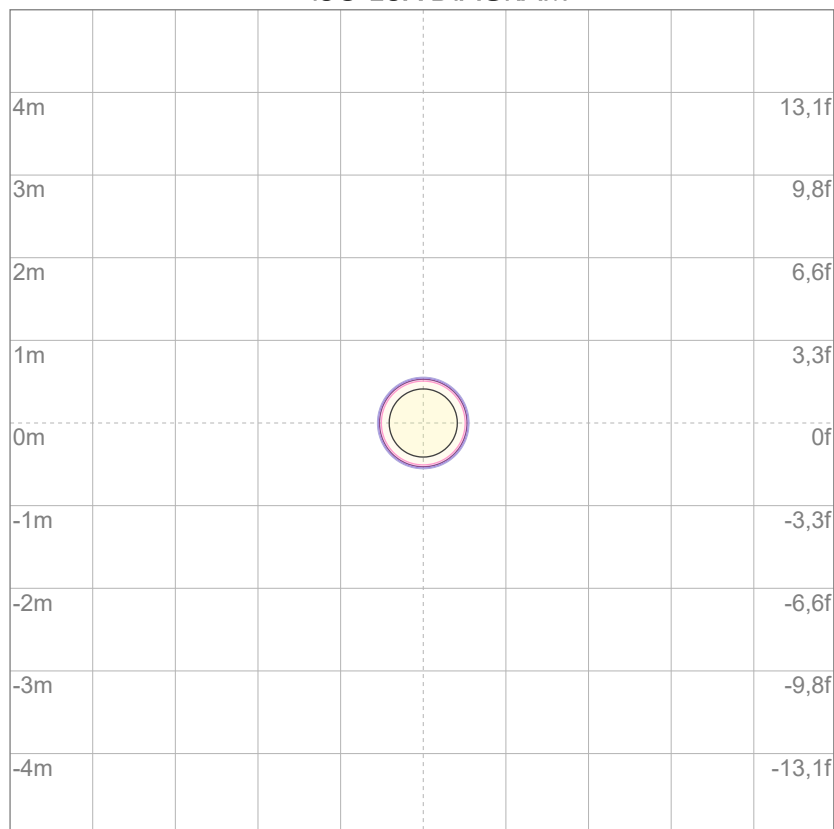
10%	5352 cd
20%	10704 cd
30%	16056 cd
40%	21408 cd
50%	26761 cd
60%	32113 cd
70%	37465 cd
80%	42817 cd

Conditions:

Number of c-planes: 2

Candela at center: 53521 cd

ISO LUX DIAGRAM



3%	16,1 lx
5%	26,8 lx
10%	53,5 lx
30%	161 lx
50%	268 lx

Conditions:

Number of c-planes: 2

Lux at center: 535 lx

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



Total lumen output:

2692 lm

Peak candela output:

8144 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

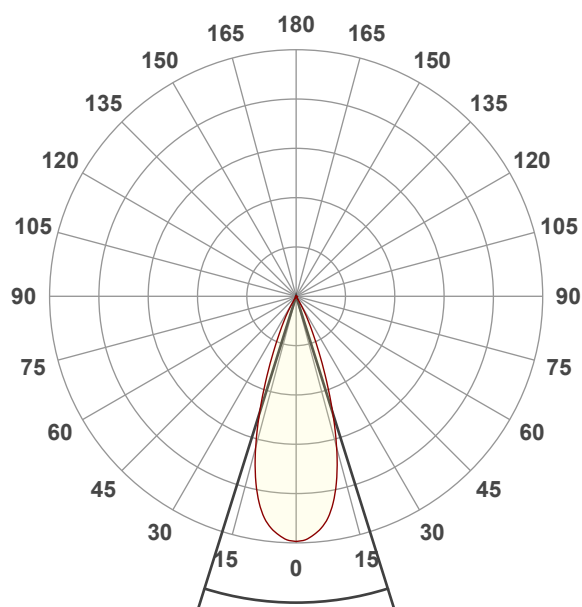
White

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:04:09

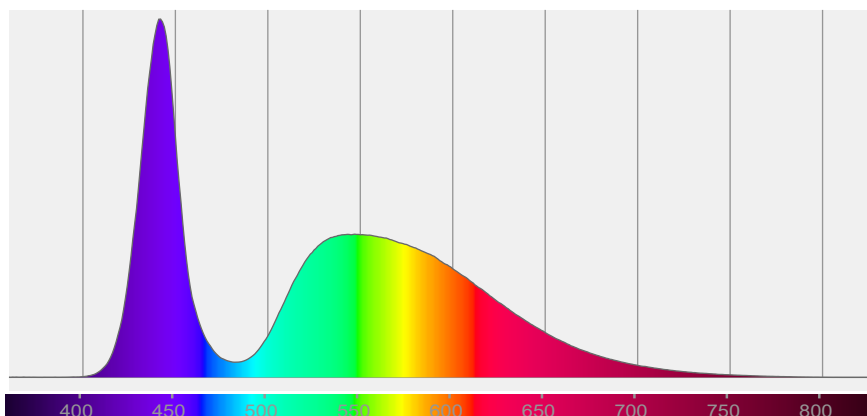


Beam angle 50%: 34,8°

Field angle 10%: 53,6°

Cut off angle 2.5%: 60,2°

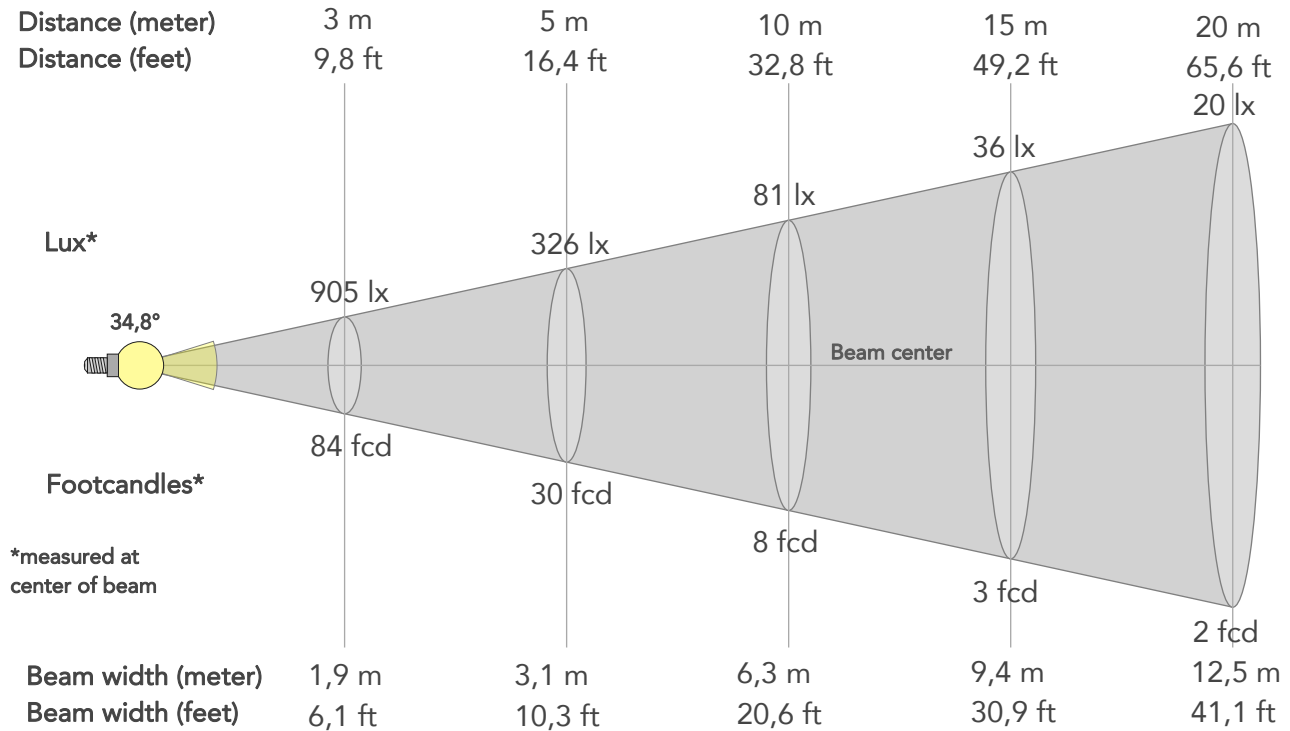
Spectra



BEAM DETAILS



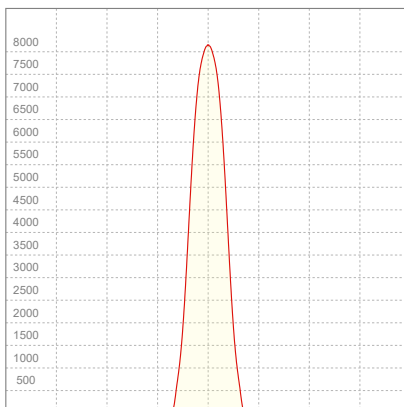
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34,8°	53,6°	60,2°	100,0%	100,0%



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	8144lx	2036lx	905lx	509lx	326lx	145lx	81lx	36lx	20lx	13lx	9lx	5lx	3lx
Footcand.	757fcd	189fcd	84fcd	47fcd	30fcd	13fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,3m	1,9m	2,5m	3,1m	4,7m	6,3m	9,4m	12,5m	15,7m	18,8m	25,1m	31,4m
Beam wid.	2,1ft	4,1ft	6,1ft	8,2ft	10,3ft	15,4ft	20,6ft	30,9ft	41,1ft	51,4ft	61,7ft	82,3ft	102,9ft

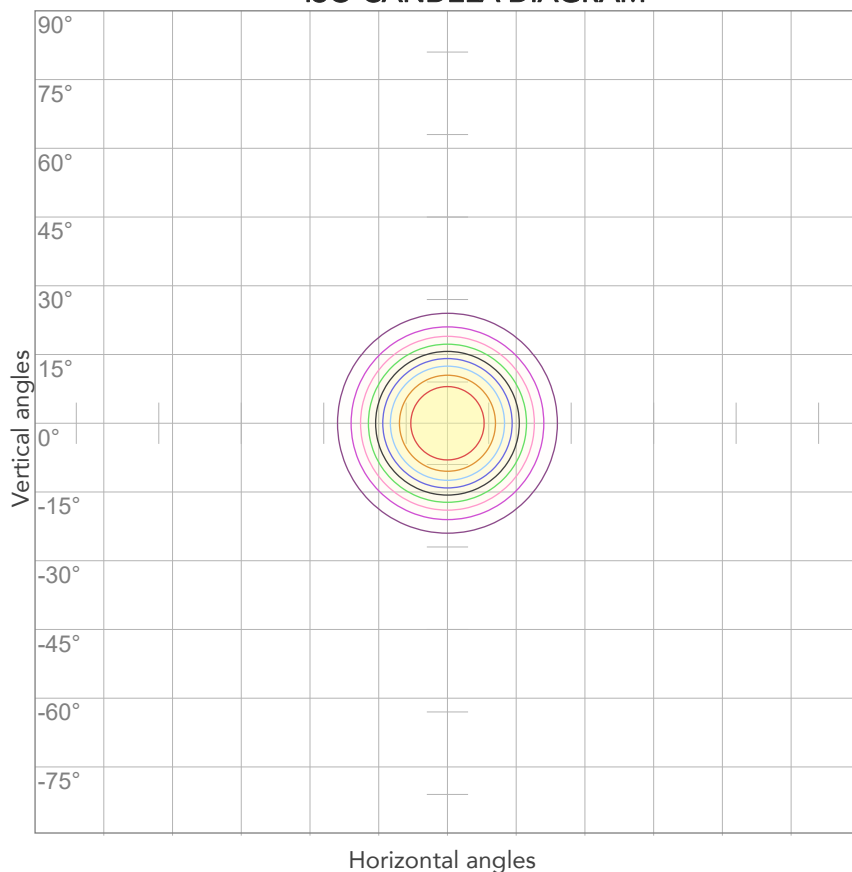
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,497A	96,0W	28lm/W
Power FC			
0,85			

ISO CANDELA DIAGRAM



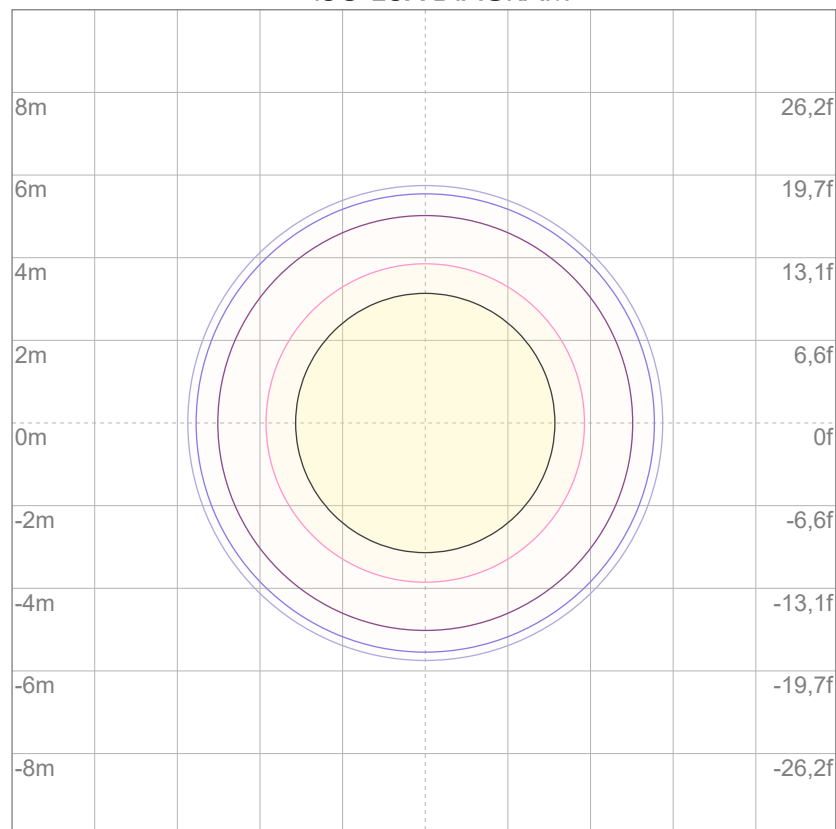
10%	814 cd
20%	1629 cd
30%	2443 cd
40%	3258 cd
50%	4072 cd
60%	4886 cd
70%	5701 cd
80%	6515 cd

Conditions:

Number of c-planes: 2

Candela at center: 8144 cd

ISO LUX DIAGRAM



3%	2,44 lx
5%	4,07 lx
10%	8,14 lx
30%	24,4 lx
50%	40,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 81,4 lx

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



Total lumen output:

2254 lm

Peak candela output:

26983 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

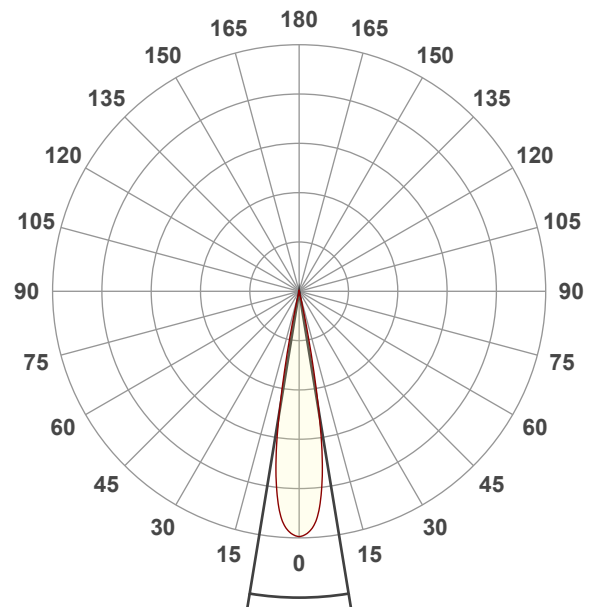
White

Operator:

Paolo Carvone

Date and time:

05/04/2022 14:53:01

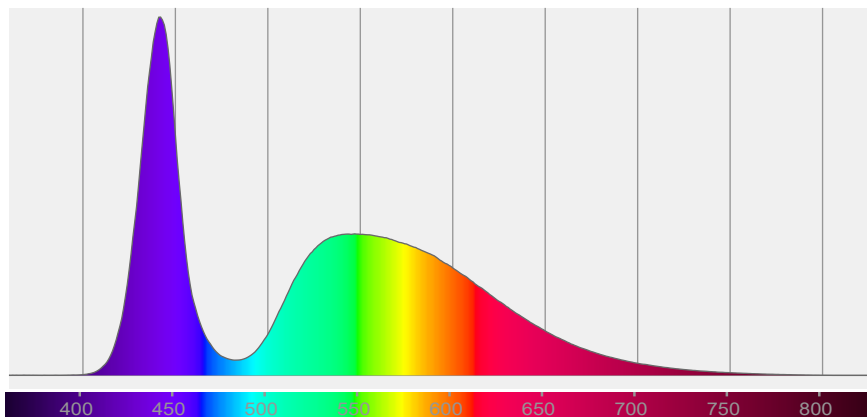


Beam angle 50%: 18,6°

Field angle 10%: 24,5°

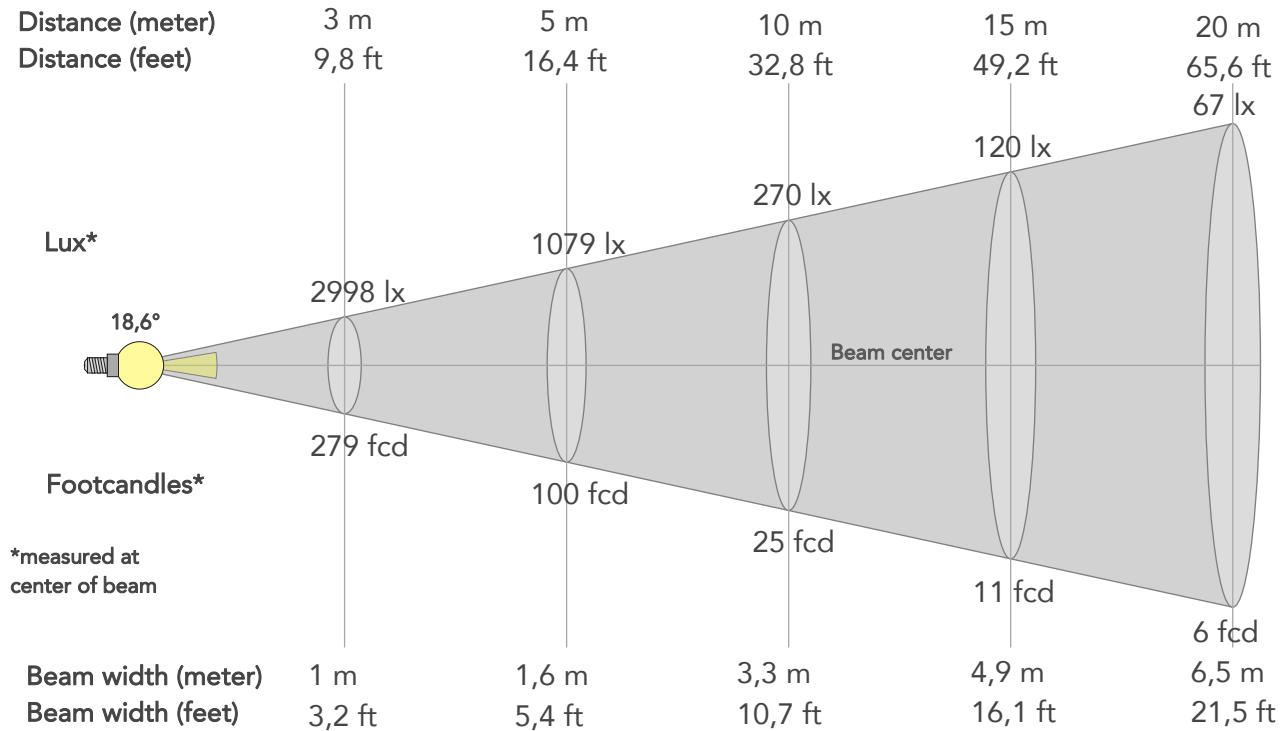
Cut off angle 2.5%: 26,7°

Spectra



BEAM DETAILS

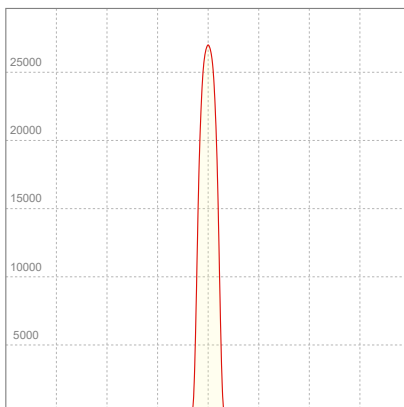
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,6°	24,5°	26,7°	100,0%	100,0%



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	26983lx	6746lx	2998lx	1686lx	1079lx	480lx	270lx	120lx	67lx	43lx	30lx	17lx	11lx
Footcand.	2507fcd	627fcd	279fcd	157fcd	100fcd	45fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,5m	8,2m	9,8m	13,1m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,7ft	16,1ft	21,5ft	26,8ft	32,2ft	42,9ft	53,7ft

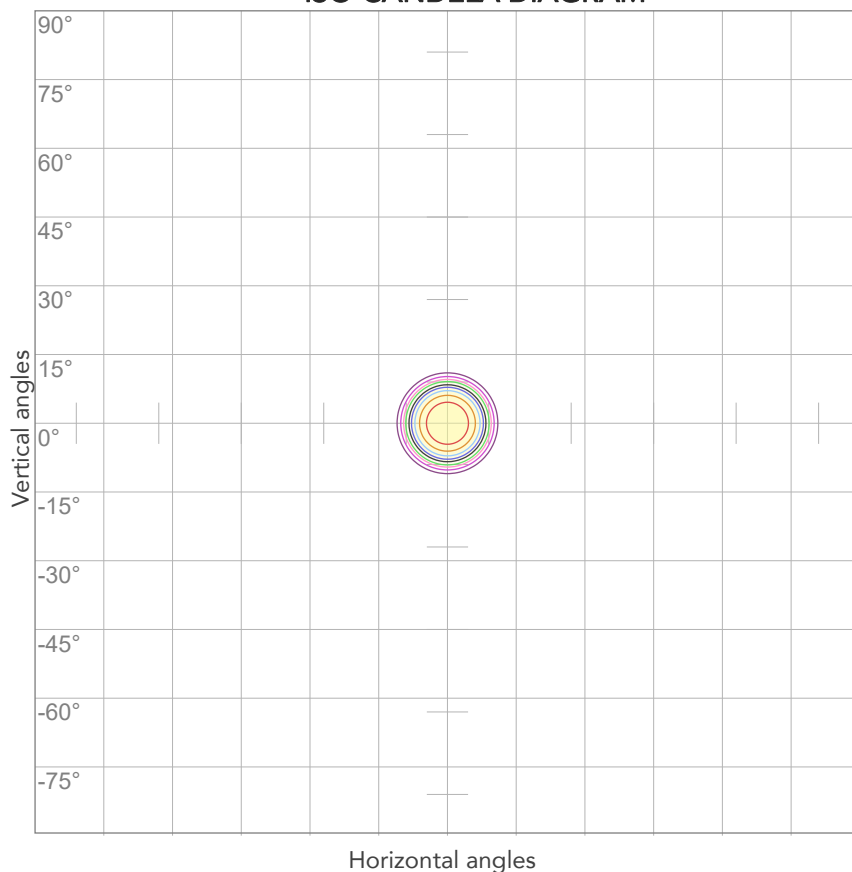
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,500A	96,6W	23lm/W
Power FC			
0,85			

ISO CANDELA DIAGRAM



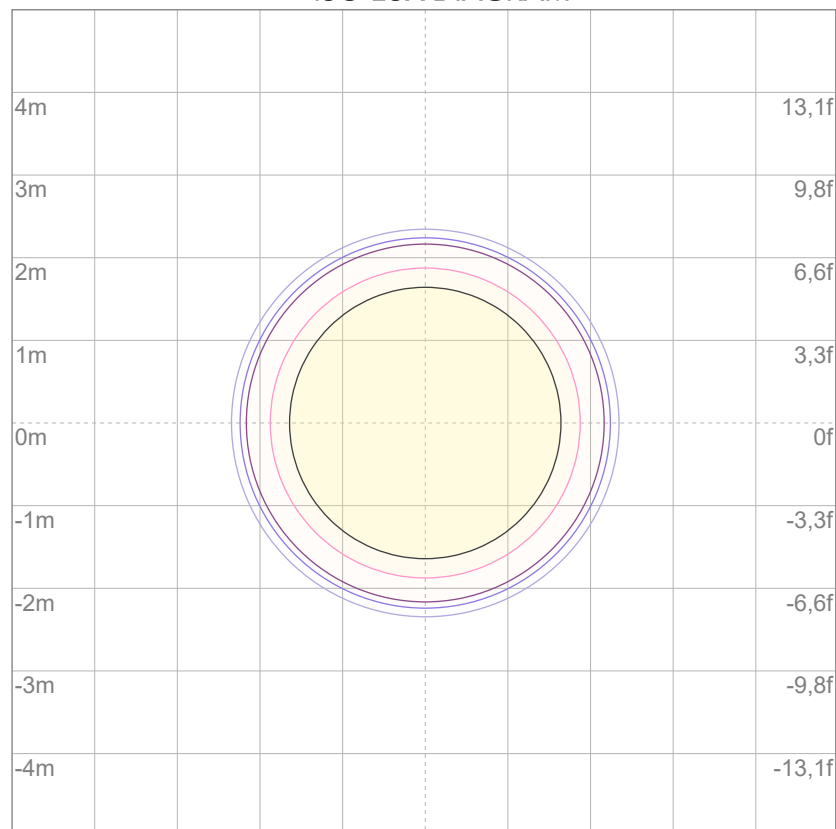
10%	2698 cd
20%	5397 cd
30%	8095 cd
40%	10793 cd
50%	13491 cd
60%	16190 cd
70%	18888 cd
80%	21586 cd

Conditions:

Number of c-planes: 2

Candela at center: 26983 cd

ISO LUX DIAGRAM



3%	8,09 lx
5%	13,5 lx
10%	27,0 lx
30%	80,9 lx
50%	135 lx

Conditions:

Number of c-planes: 2

Lux at center: 270 lx

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



Total lumen output:

1492 lm

Peak candela output:

295900 cd

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

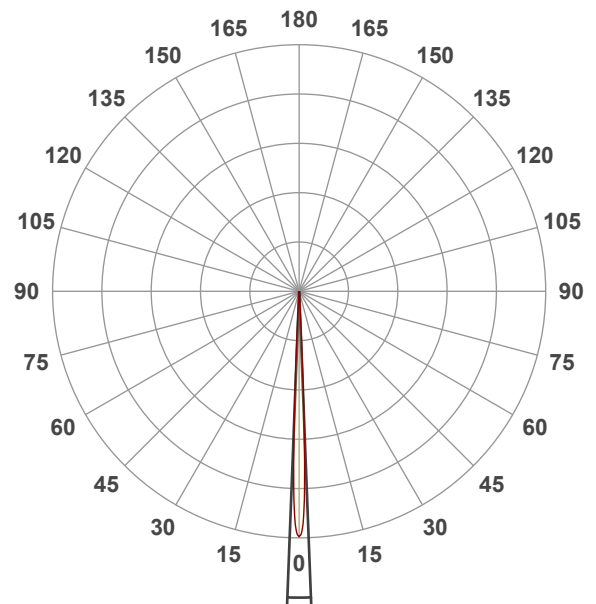
White

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:21:03

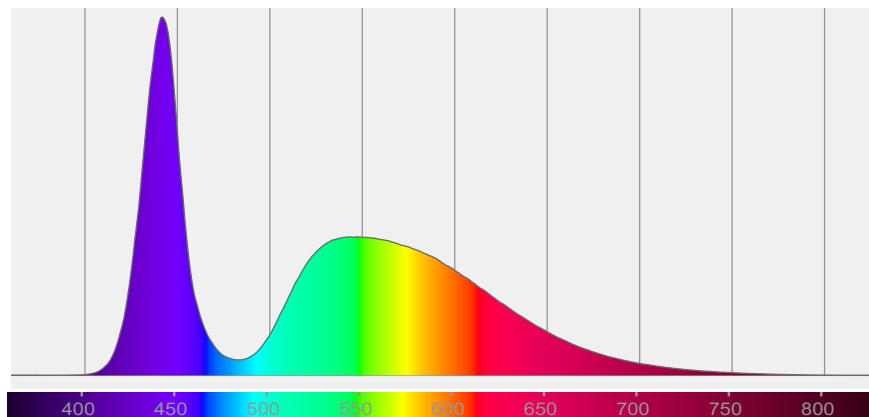


Beam angle 50%: 4,4°

Field angle 10%: 6,2°

Cut off angle 2.5%: 7°

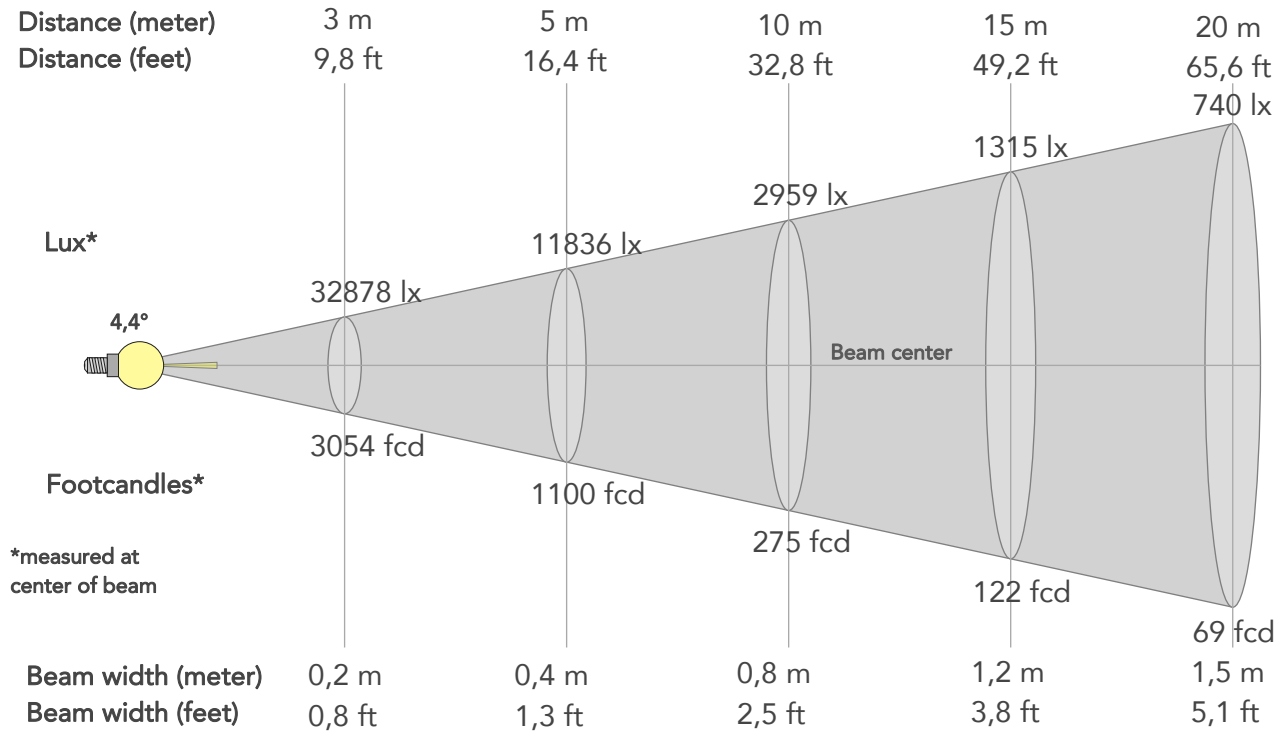
Spectra



BEAM DETAILS



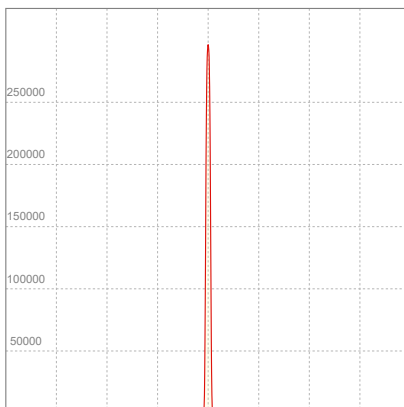
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,4°	6,2°	7°	100,0%	100,0%



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	295900lx	73975lx	32878lx	18494lx	11836lx	5260lx	2959lx	1315lx	740lx	473lx	329lx	185lx	118lx
Footcand.	27490fcd	6872fcd	3054fcd	1718fcd	1100fcd	489fcd	275fcd	122fcd	69fcd	44fcd	31fcd	17fcd	11fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,5m	1,9m	2,3m	3,1m	3,8m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,5ft	3,8ft	5,1ft	6,3ft	7,6ft	10,1ft	12,6ft

LINEAR DISTRIBUTION DIAGRAM

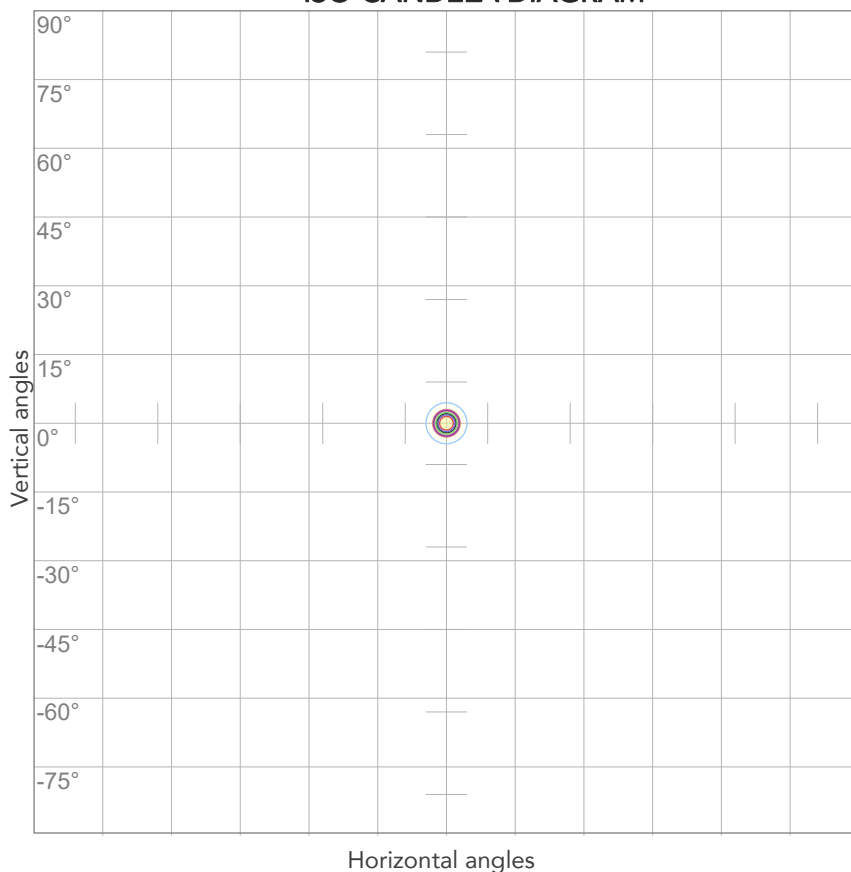


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,500A	95,9W	16lm/W

Power FC
0,86

ISO CANDELA DIAGRAM



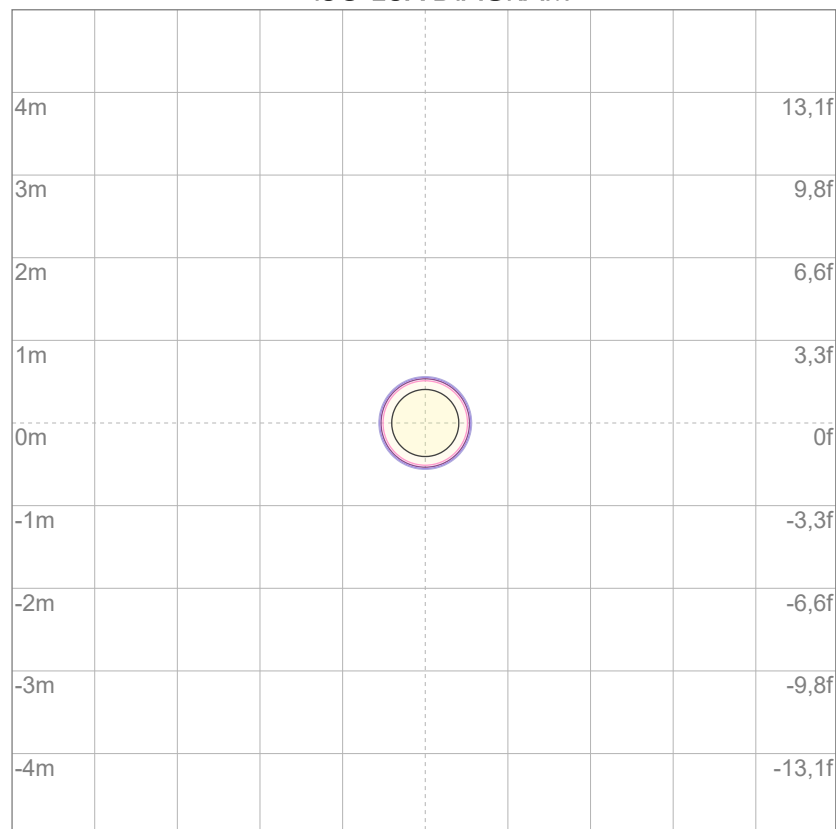
10%	29590 cd
20%	59180 cd
30%	88770 cd
40%	118360 cd
50%	147950 cd
60%	177540 cd
70%	207130 cd
80%	236720 cd

Conditions:

Number of c-planes: 2

Candela at center: 295900 cd

ISO LUX DIAGRAM



3%	88,8 lx
5%	148 lx
10%	296 lx
30%	888 lx
50%	1479 lx

Conditions:

Number of c-planes: 2

Lux at center: 2959 lx

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



Total lumen output:

2307 lm

Peak candela output:

7755 cd

Light quality:

CRI: 31,7

Color temperature:

2848 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

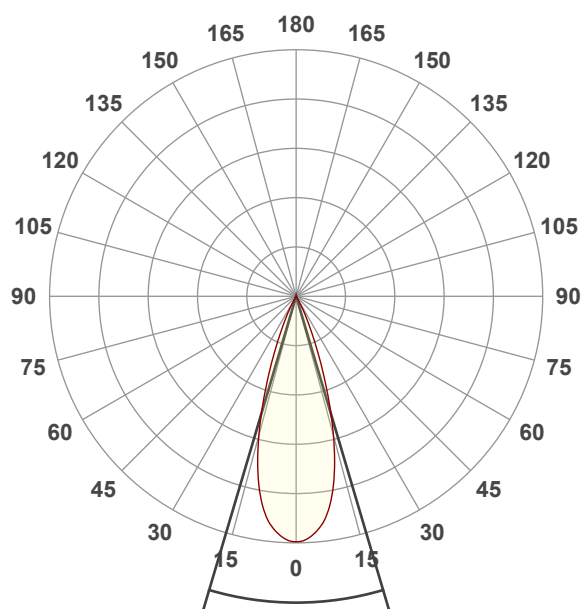
2800K

Operator:

Paolo Carvone

Date and time:

05/04/2022 14:38:25

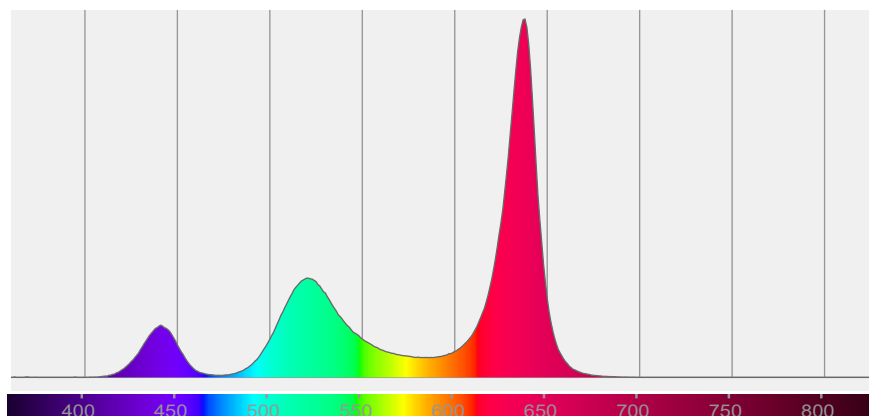


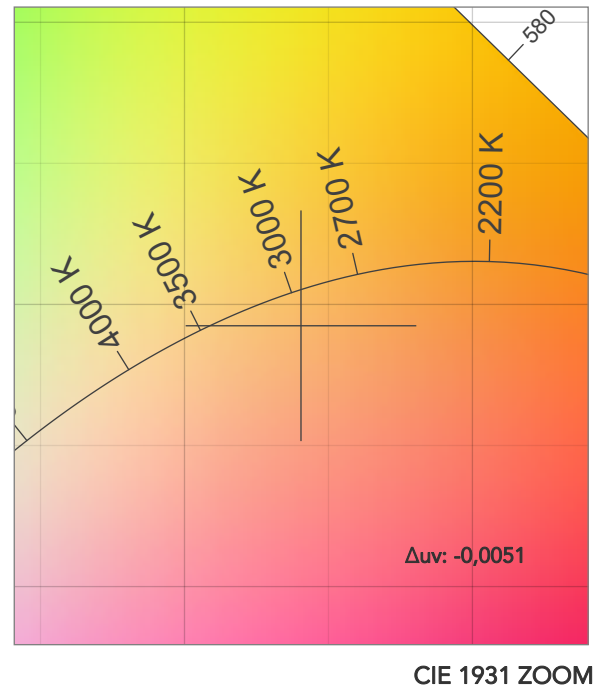
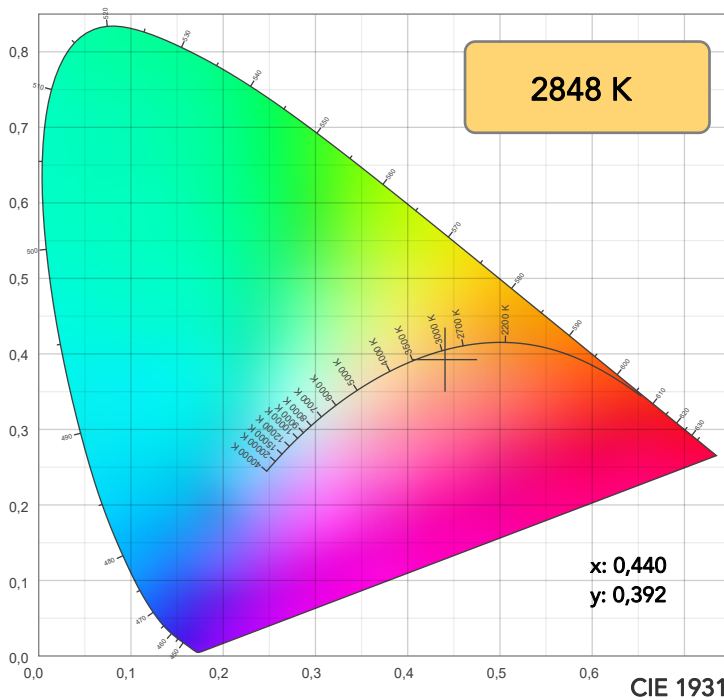
Beam angle 50%: 33°

Field angle 10%: 50,5°

Cut off angle 2.5%: 57,9°

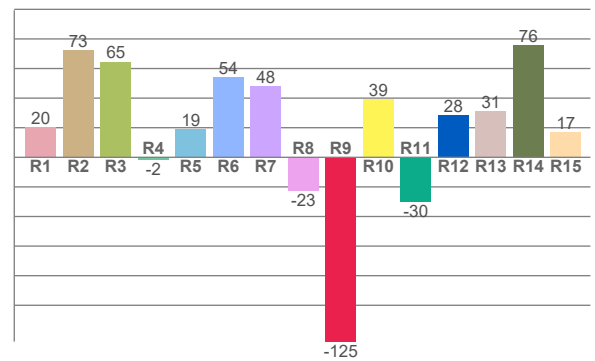
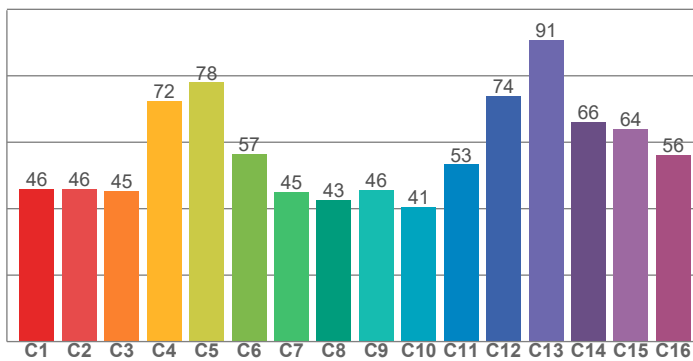
Spectra





TM30: 57,3

CRI: 31,7 (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
20,1	72,5	64,6	-1,9	18,8	54,1	47,8	-22,6	-124,5	39,3	-30,1	28,4	30,8	75,8	16,9

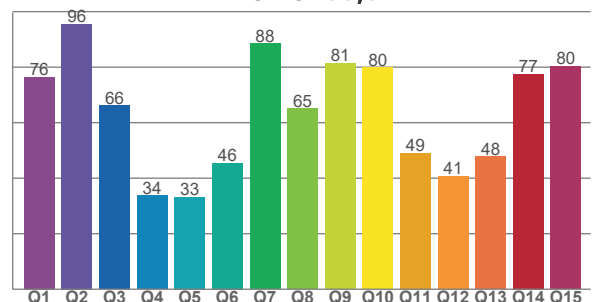
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
45,9	45,9	45,4	72,5	78,0	56,6	45,1	42,6	45,6	40,6	53,3	73,9	90,8	66,2	64,0	56,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76,4	95,5	66,1	33,7	33,2	45,6	88,5	65,1	81,4	79,8	49,1	40,7	47,8	77,5	80,3

CQS: 58,5



COLOR PARAMETERS

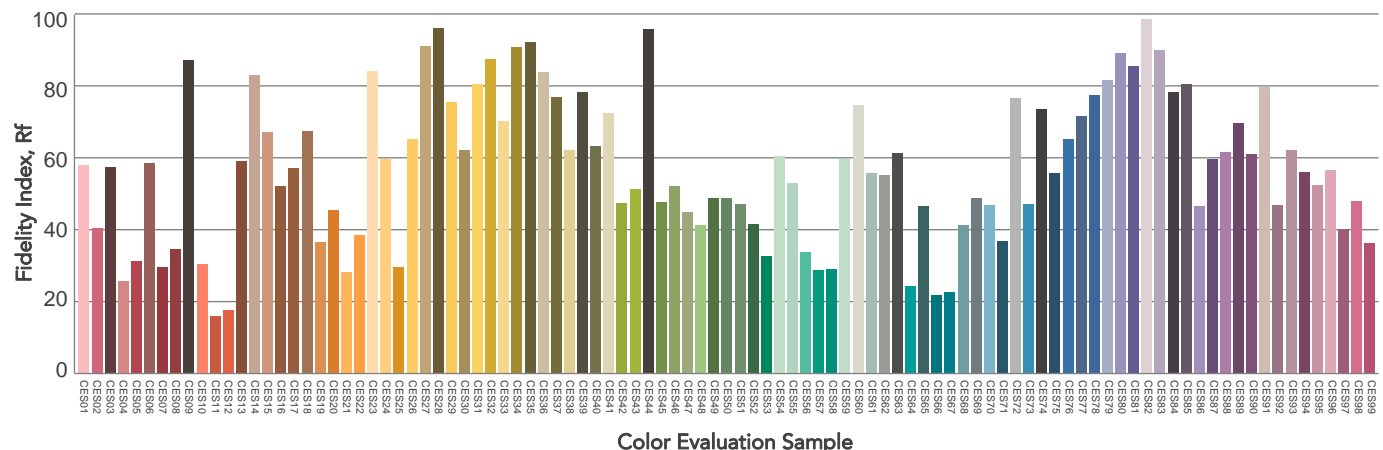
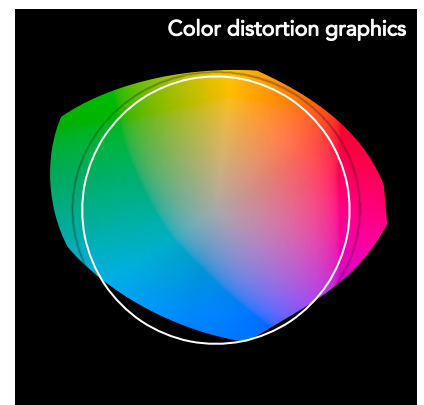
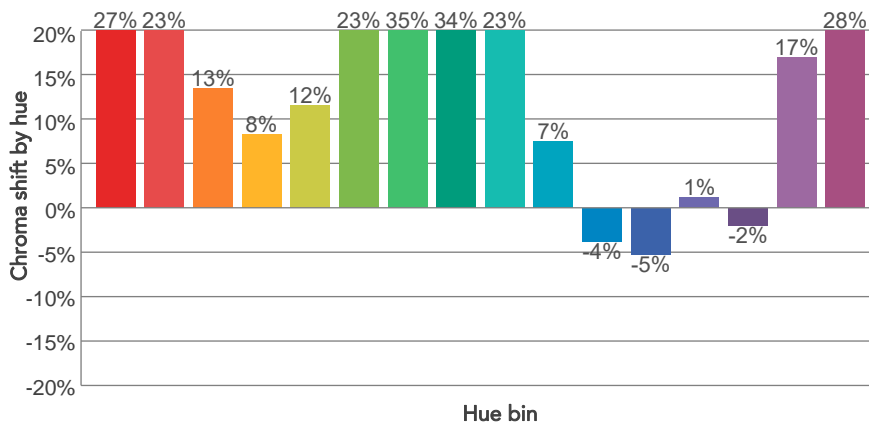
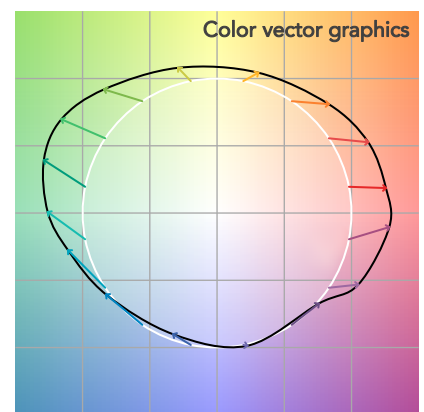
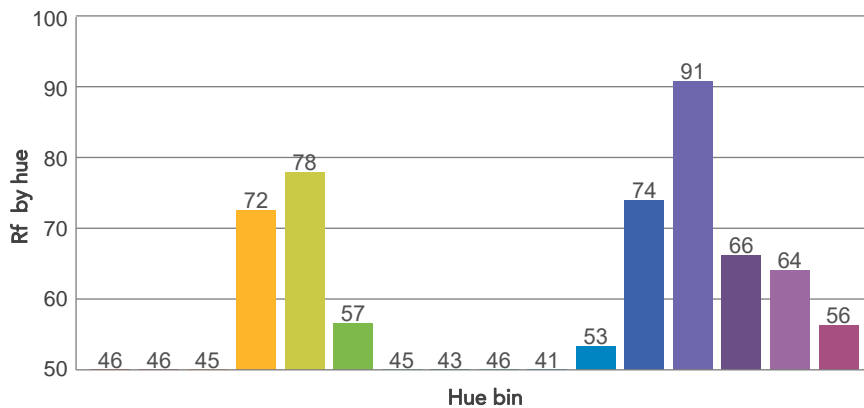
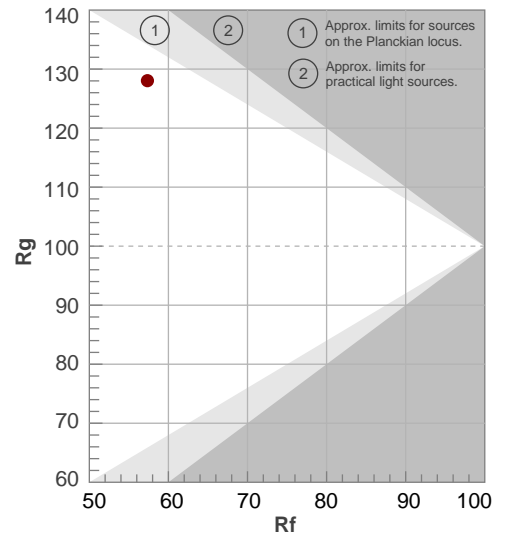
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2848 K	31,7	-124,5	57,3	128,0	58,5	17	0,440	0,392	-0,0051

TM30 DETAILS

Rf 57,3
Fidelity index Rf

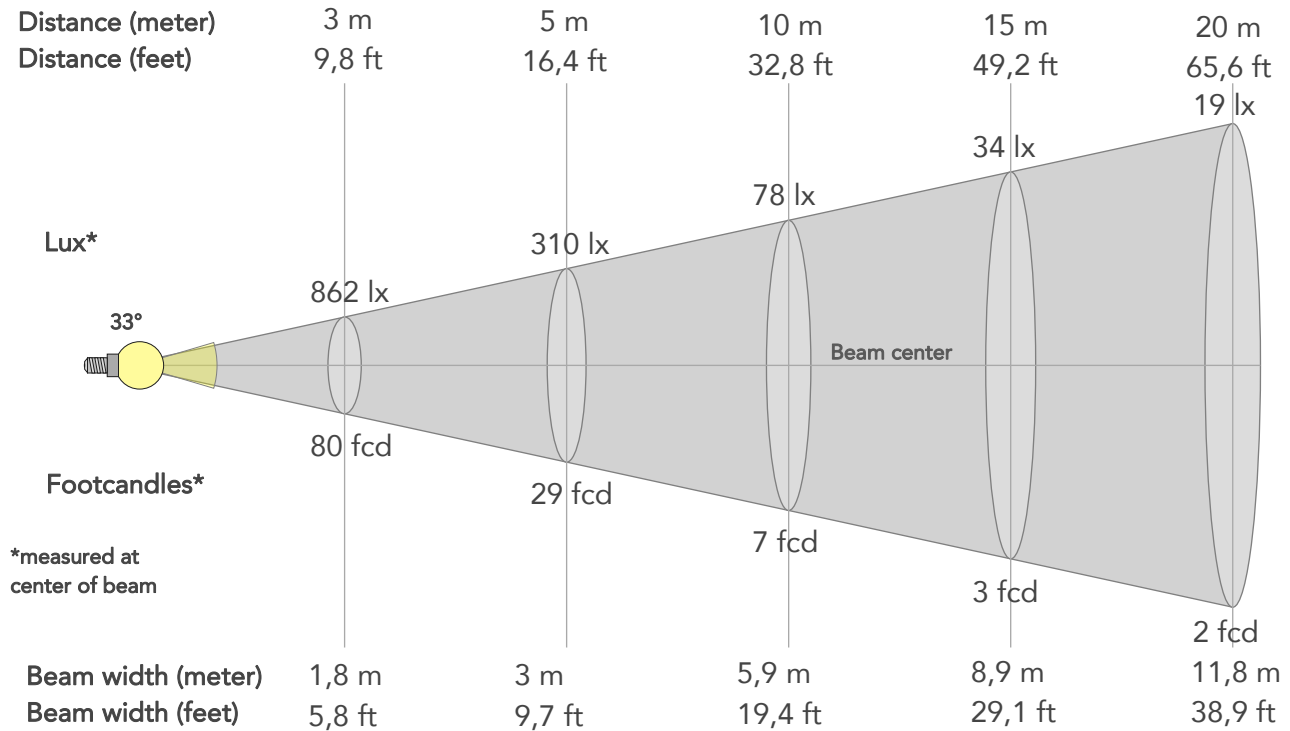
Rg 128,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	46	27%	-6%
2	46	23%	-19%
3	45	13%	-24%
4	72	8%	-10%
5	78	12%	7%
6	57	23%	19%
7	45	35%	6%
8	43	34%	-13%
9	46	23%	-25%
10	41	7%	-39%
11	53	-4%	-35%
12	74	-5%	-15%
13	91	1%	3%
14	66	-2%	26%
15	64	17%	14%
16	56	28%	15%



BEAM DETAILS

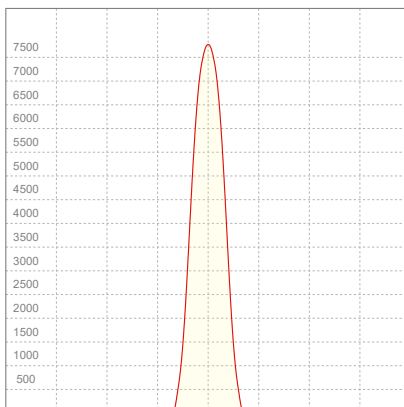
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33°	50,5°	57,9°	100,0%	100,0%



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	7755lx	1939lx	862lx	485lx	310lx	138lx	78lx	34lx	19lx	12lx	9lx	5lx	3lx
Footcand.	720fcd	180fcd	80fcd	45fcd	29fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,4m	5,9m	8,9m	11,8m	14,8m	17,8m	23,7m	29,6m
Beam wid.	2ft	3,9ft	5,8ft	7,8ft	9,7ft	14,6ft	19,4ft	29,1ft	38,9ft	48,6ft	58,3ft	77,7ft	97,1ft

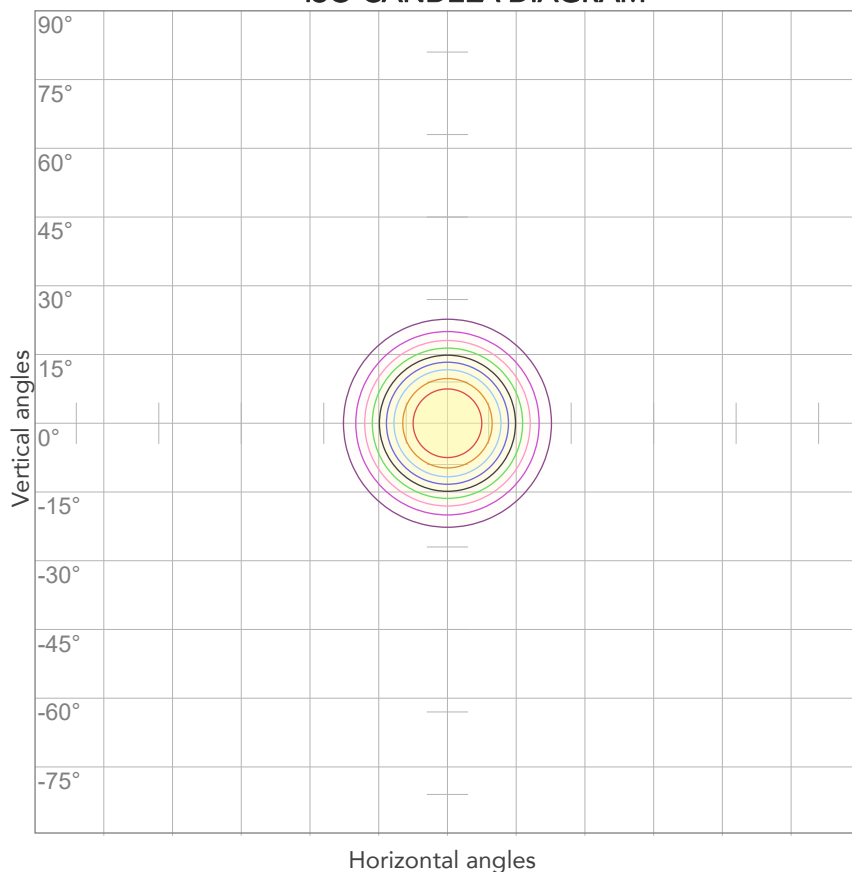
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,625A	127W	18lm/W

ISO CANDELA DIAGRAM



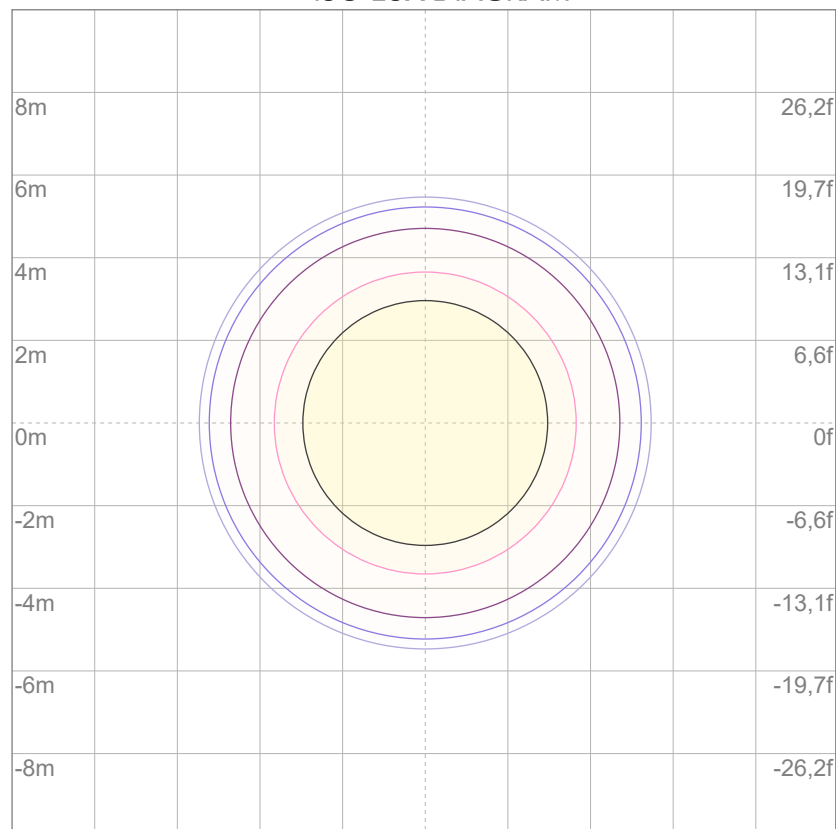
10%	776 cd
20%	1551 cd
30%	2327 cd
40%	3102 cd
50%	3878 cd
60%	4653 cd
70%	5429 cd
80%	6204 cd

Conditions:

Number of c-planes: 2

Candela at center: 7755 cd

ISO LUX DIAGRAM



3%	2,33 lx
5%	3,88 lx
10%	7,76 lx
30%	23,3 lx
50%	38,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 77,6 lx

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



Total lumen output:

1970 lm

Peak candela output:

25887 cd

Light quality:

CRI: 30,9

Color temperature:

2831 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

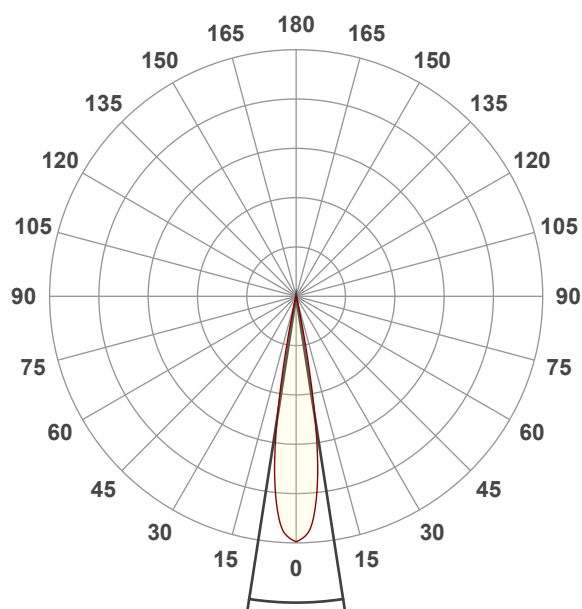
2800K

Operator:

Paolo Carvone

Date and time:

05/04/2022 13:22:38

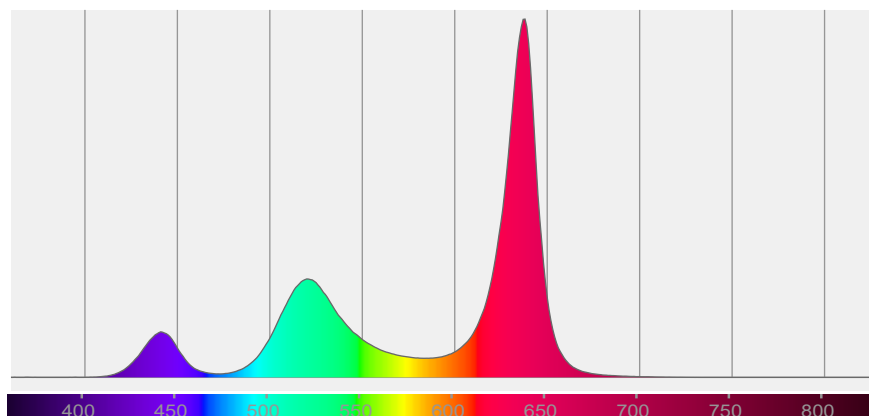


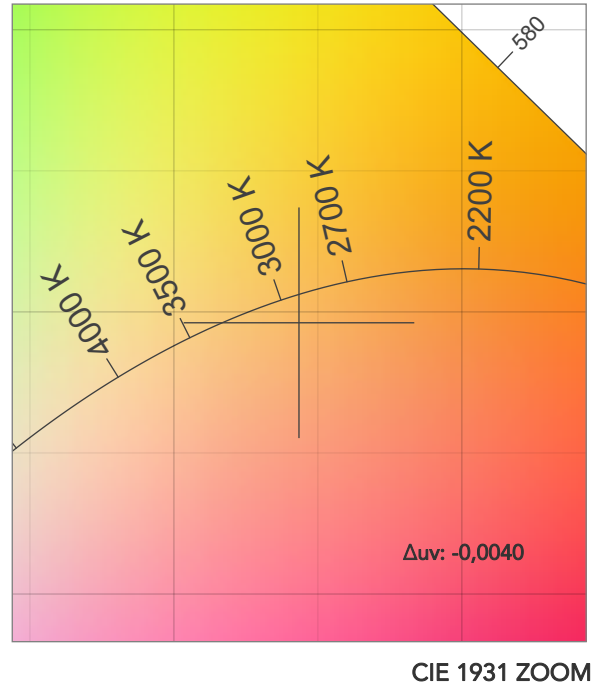
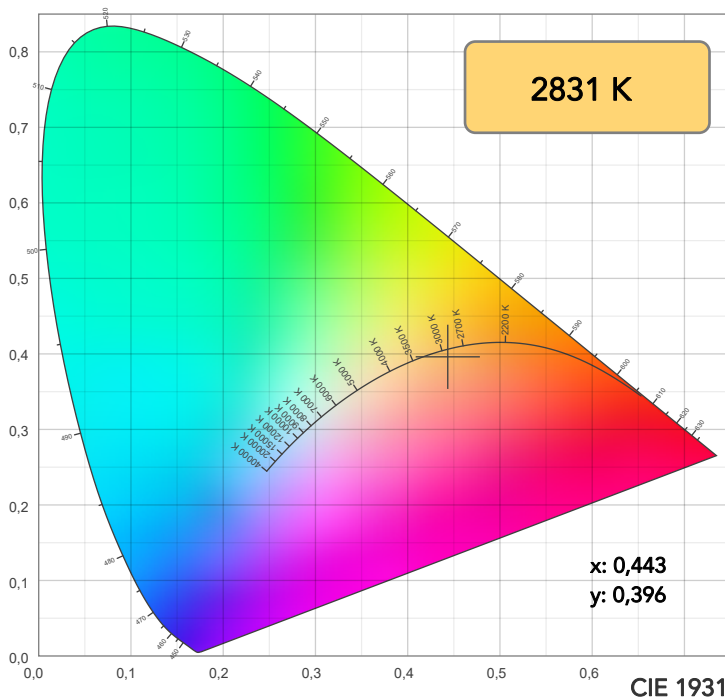
Beam angle 50%: 17,6°

Field angle 10%: 23,8°

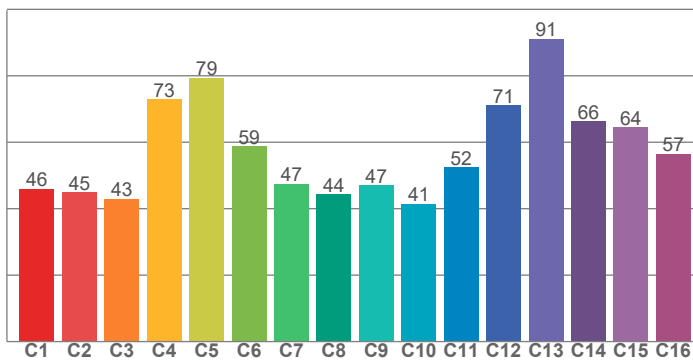
Cut off angle 2.5%: 26°

Spectra

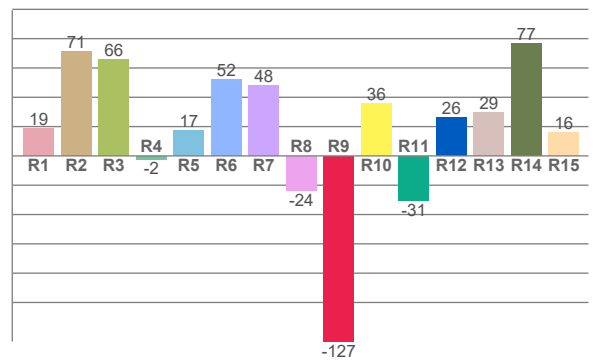




TM30: 57,5



CRI: 30,9 (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
18,8	71,1	65,9	-2,3	17,5	52,0	47,9	-23,8	-126,7	36,0	-30,7	25,9	29,4	76,6	16,0

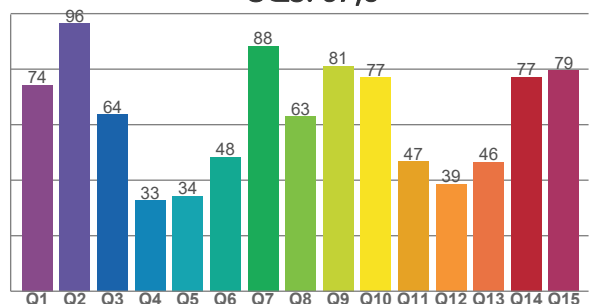
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
46,0	45,0	43,0	72,9	79,4	58,8	47,4	44,3	47,0	41,4	52,4	71,1	91,2	66,3	64,5	56,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,3	96,4	63,7	32,7	34,3	48,3	88,4	62,9	81,1	76,9	46,6	38,6	46,5	77,2	79,4

CQS: 57,8



COLOR PARAMETERS

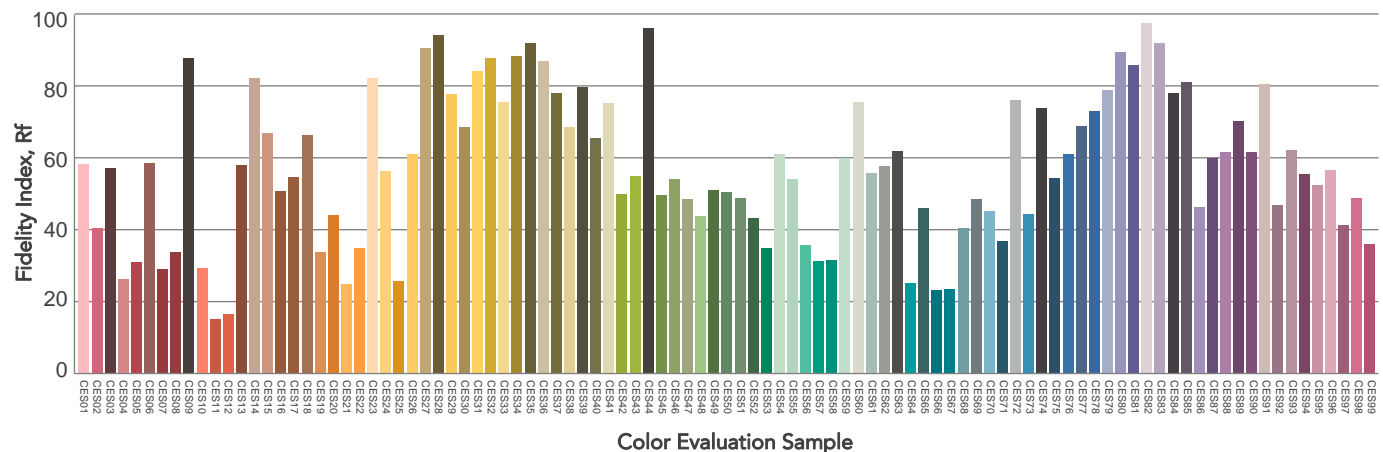
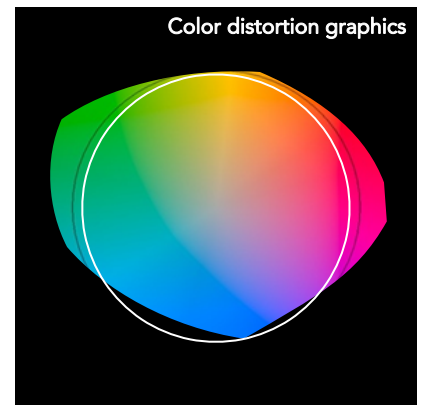
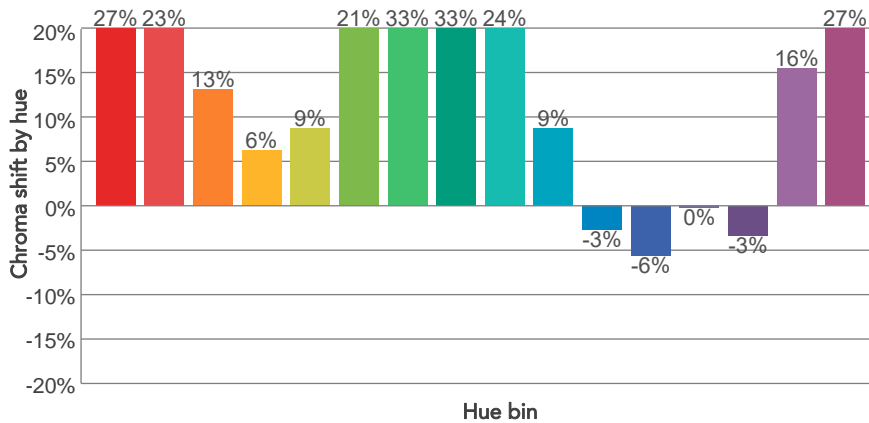
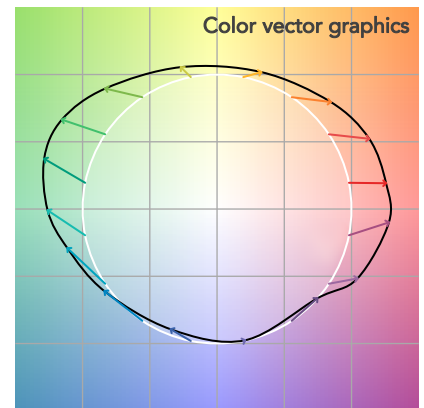
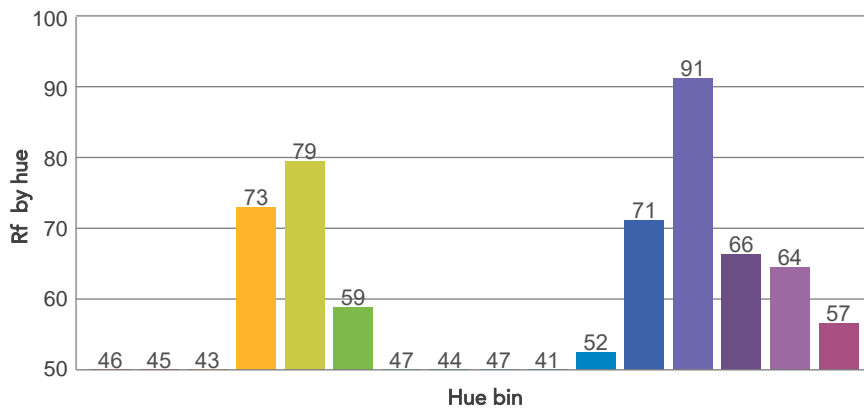
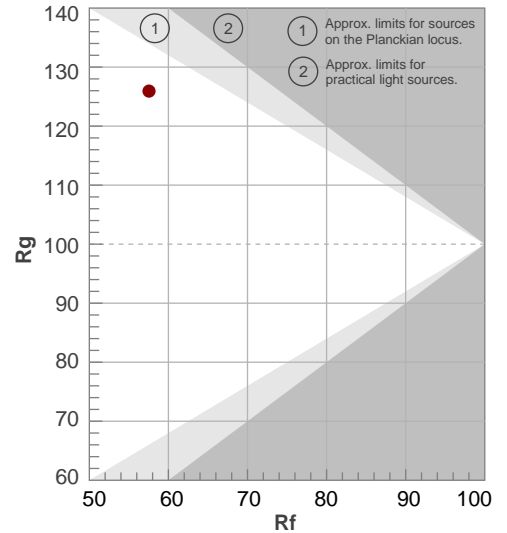
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2831 K	30,9	-126,7	57,5	125,9	57,8	17	0,443	0,396	-0,0040

TM30 DETAILS

Rf 57,5
Fidelity index Rf

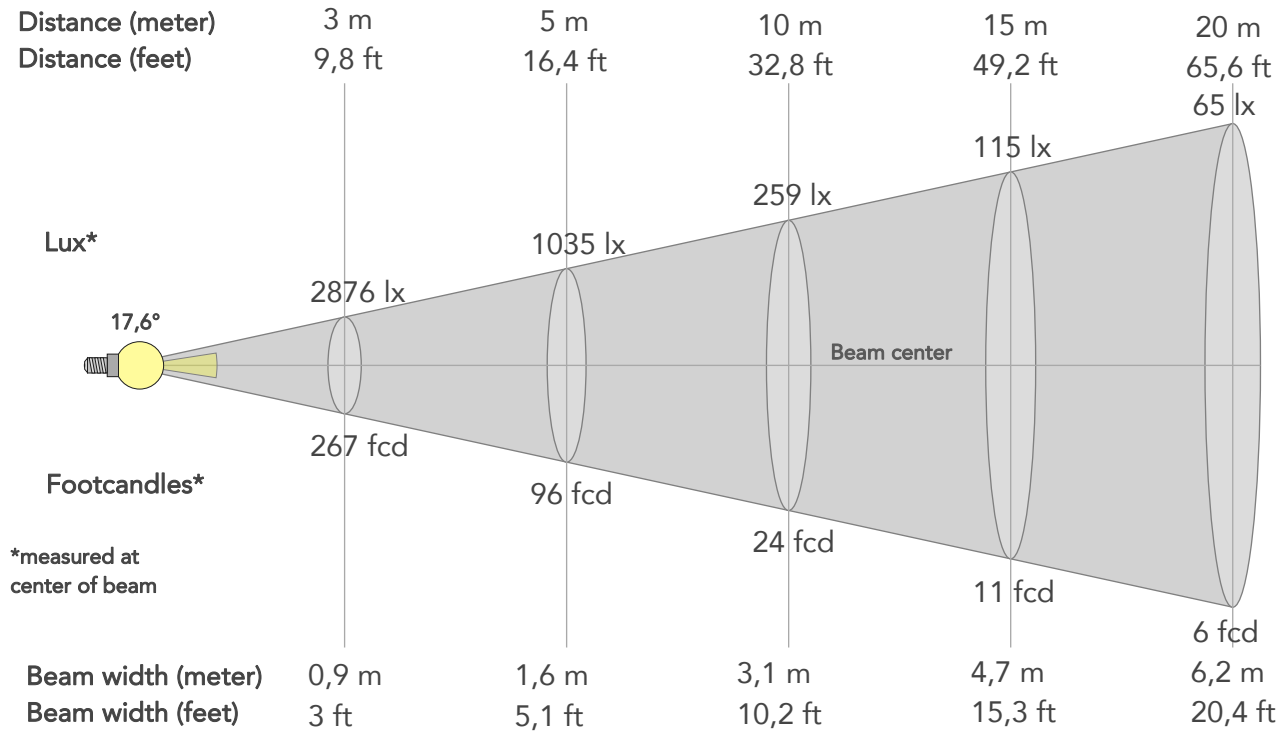
Rg 125,9
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	46	27%	-6%
2	45	23%	-19%
3	43	13%	-26%
4	73	6%	-12%
5	79	9%	6%
6	59	21%	19%
7	47	33%	9%
8	44	33%	-12%
9	47	24%	-24%
10	41	9%	-38%
11	52	-3%	-36%
12	71	-6%	-16%
13	91	0%	1%
14	66	-3%	25%
15	64	16%	15%
16	57	27%	15%



BEAM DETAILS

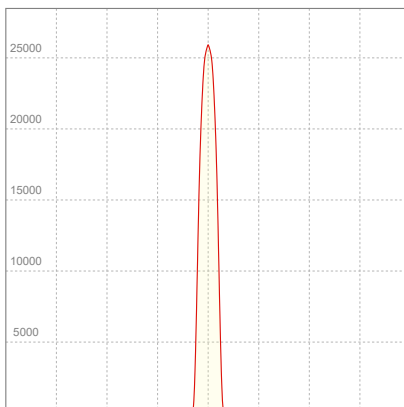
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,6°	23,8°	26°	100,0%	100,0%



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	25887lx	6472lx	2876lx	1618lx	1035lx	460lx	259lx	115lx	65lx	41lx	29lx	16lx	10lx
Footcand.	2405fcd	601fcd	267fcd	150fcd	96fcd	43fcd	24fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,6m	2,3m	3,1m	4,7m	6,2m	7,8m	9,3m	12,4m	15,5m
Beam wid.	1ft	2ft	3ft	4,1ft	5,1ft	7,6ft	10,2ft	15,3ft	20,4ft	25,5ft	30,5ft	40,7ft	50,9ft

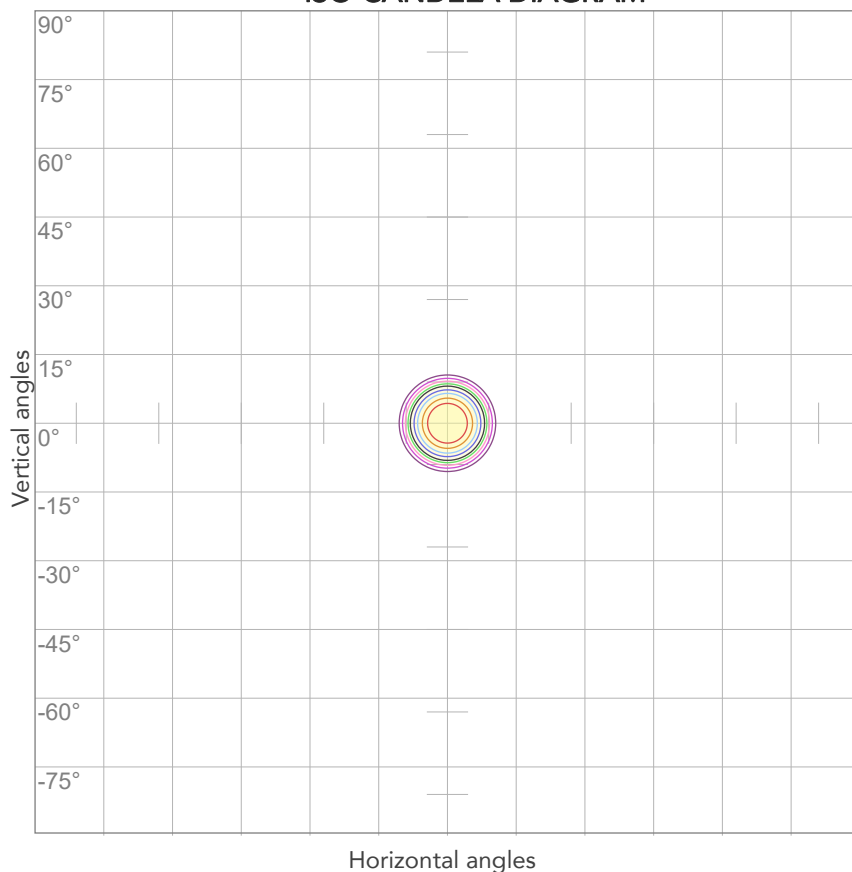
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,611A	123,2W	16lm/W

ISO CANDELA DIAGRAM



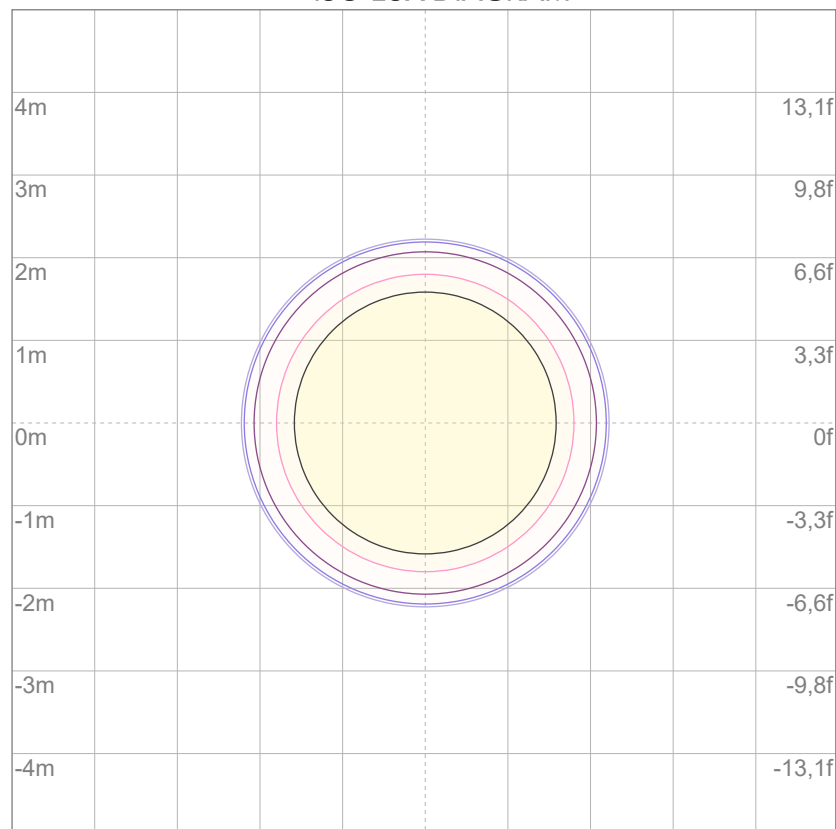
10%	2589 cd
20%	5177 cd
30%	7766 cd
40%	10355 cd
50%	12944 cd
60%	15532 cd
70%	18121 cd
80%	20710 cd

Conditions:

Number of c-planes: 2

Candela at center: 25887 cd

ISO LUX DIAGRAM



3%	7,77 lx
5%	12,9 lx
10%	25,9 lx
30%	77,7 lx
50%	129 lx

Conditions:

Number of c-planes: 2

Lux at center: 259 lx

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



Total lumen output:

1352 lm

Peak candela output:

265442 cd

Light quality:

CRI: 30,8

Color temperature:

2839 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

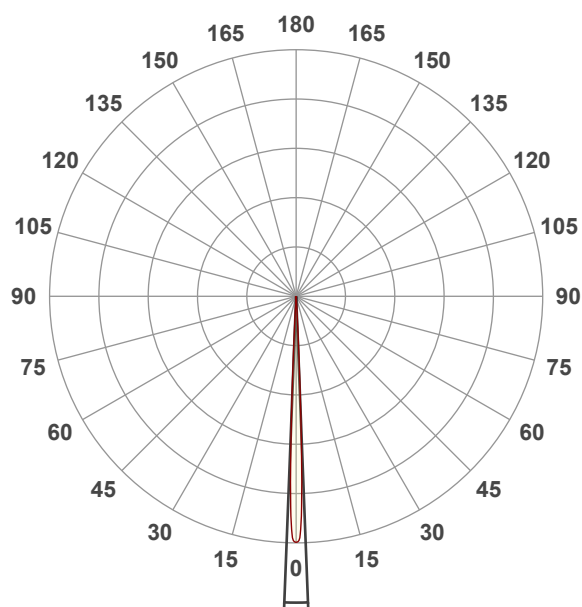
2800K

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:26:06

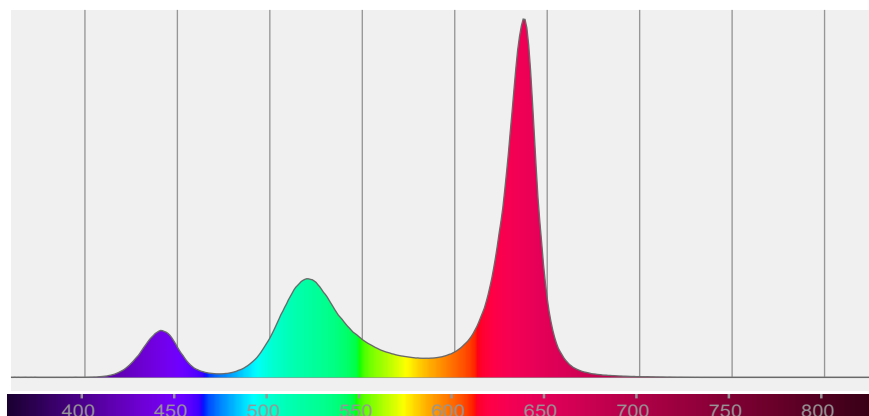


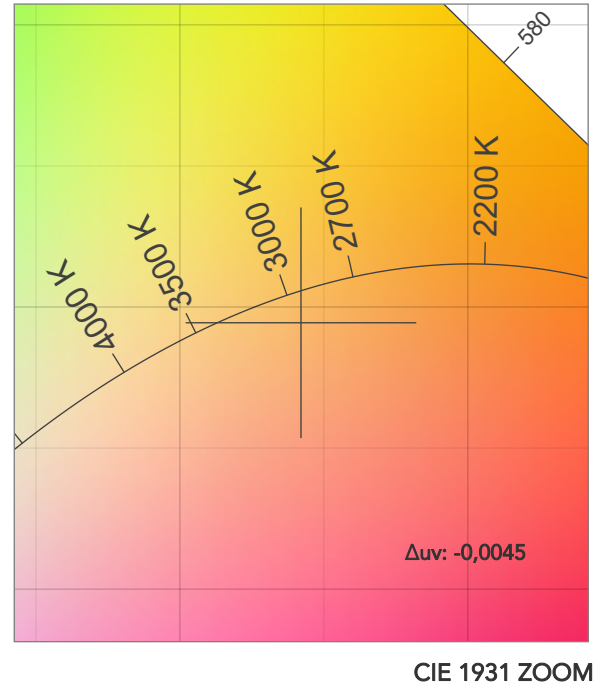
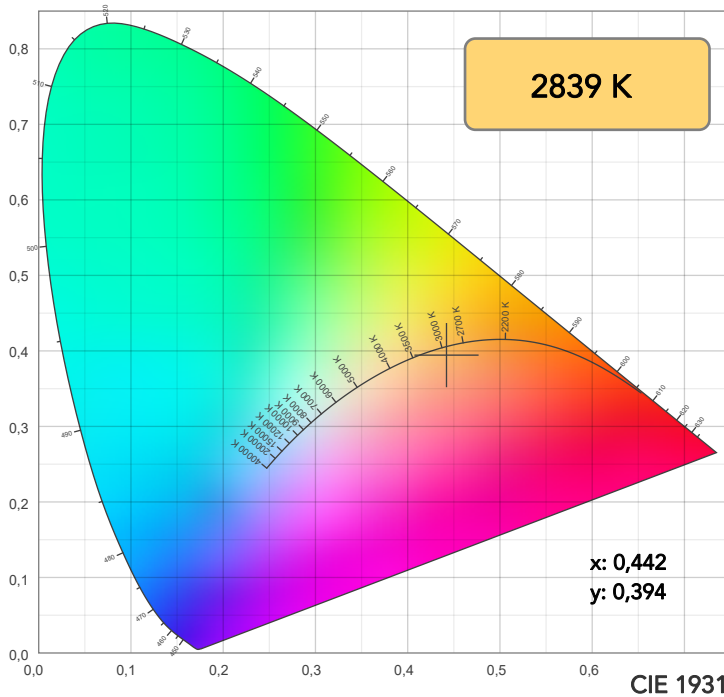
Beam angle 50%: 4,4°

Field angle 10%: 6,2°

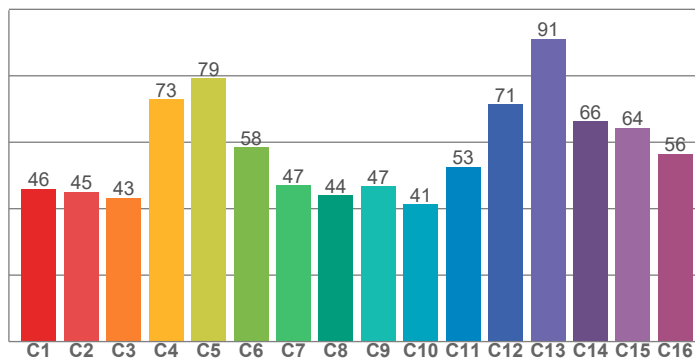
Cut off angle 2.5%: 6,9°

Spectra

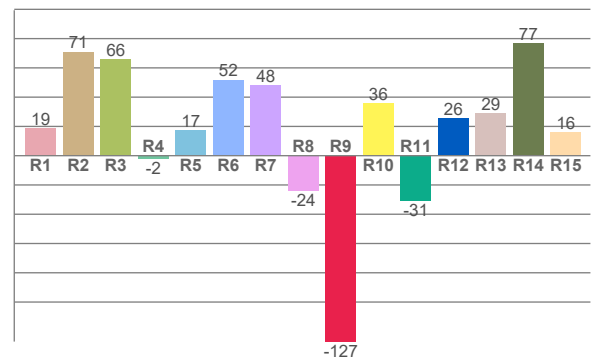




TM30: 57,5



CRI: 30,8 (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
18,6	71,0	66,0	-2,5	17,3	51,8	48,0	-23,8	-127,0	35,7	-30,9	25,7	29,2	76,7	15,7

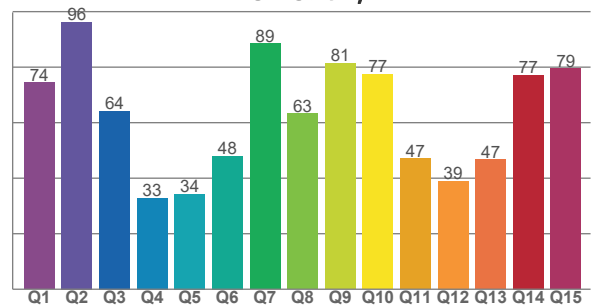
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
45,9	45,0	43,2	72,9	79,3	58,4	47,0	44,0	46,8	41,3	52,5	71,4	91,2	66,3	64,3	56,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,5	96,3	64,1	32,9	34,2	48,0	88,5	63,3	81,4	77,4	47,0	39,0	46,7	77,2	79,4

CQS: 57,9



COLOR PARAMETERS

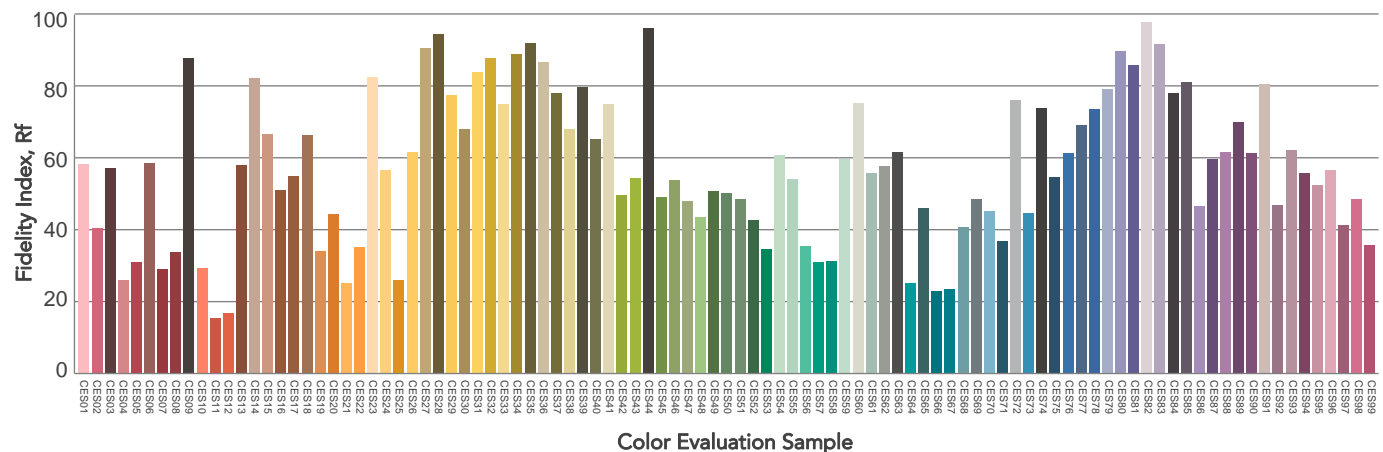
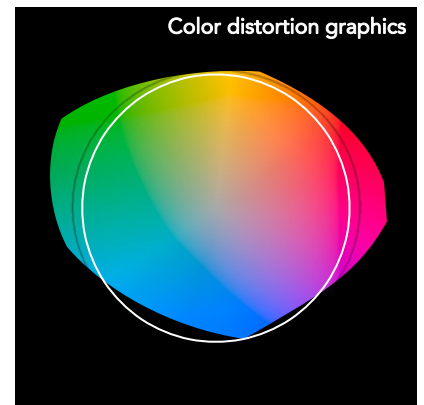
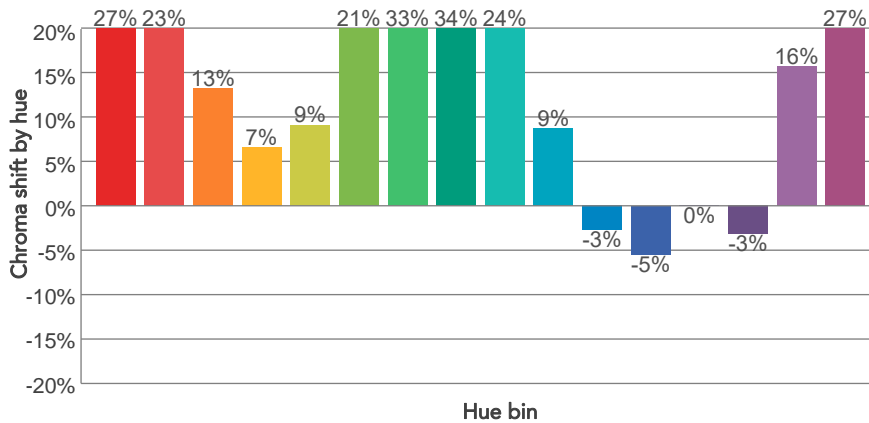
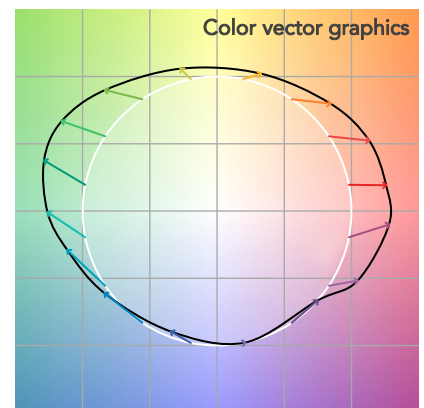
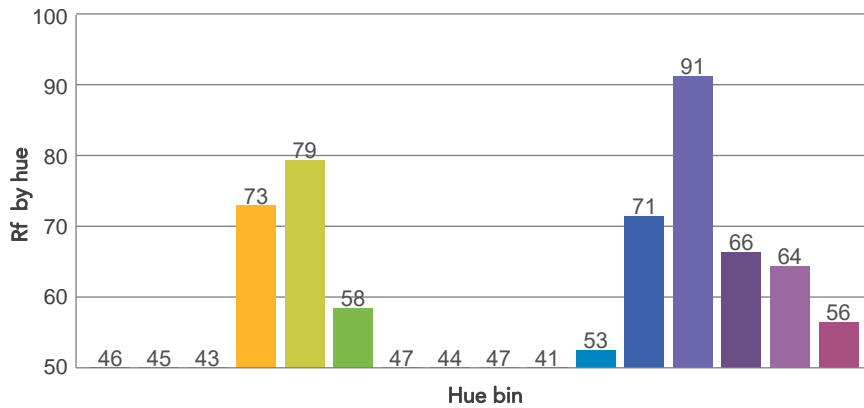
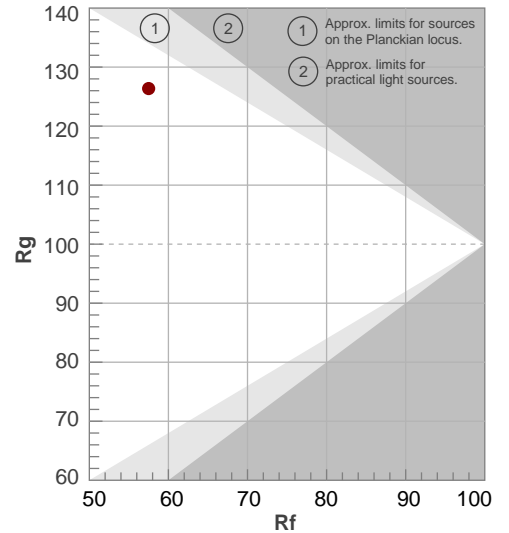
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2839 K	30,8	-127,0	57,5	126,4	57,9	17	0,442	0,394	-0,0045

TM30 DETAILS

Rf 57,5
Fidelity index Rf

Rg 126,4
Gammut index

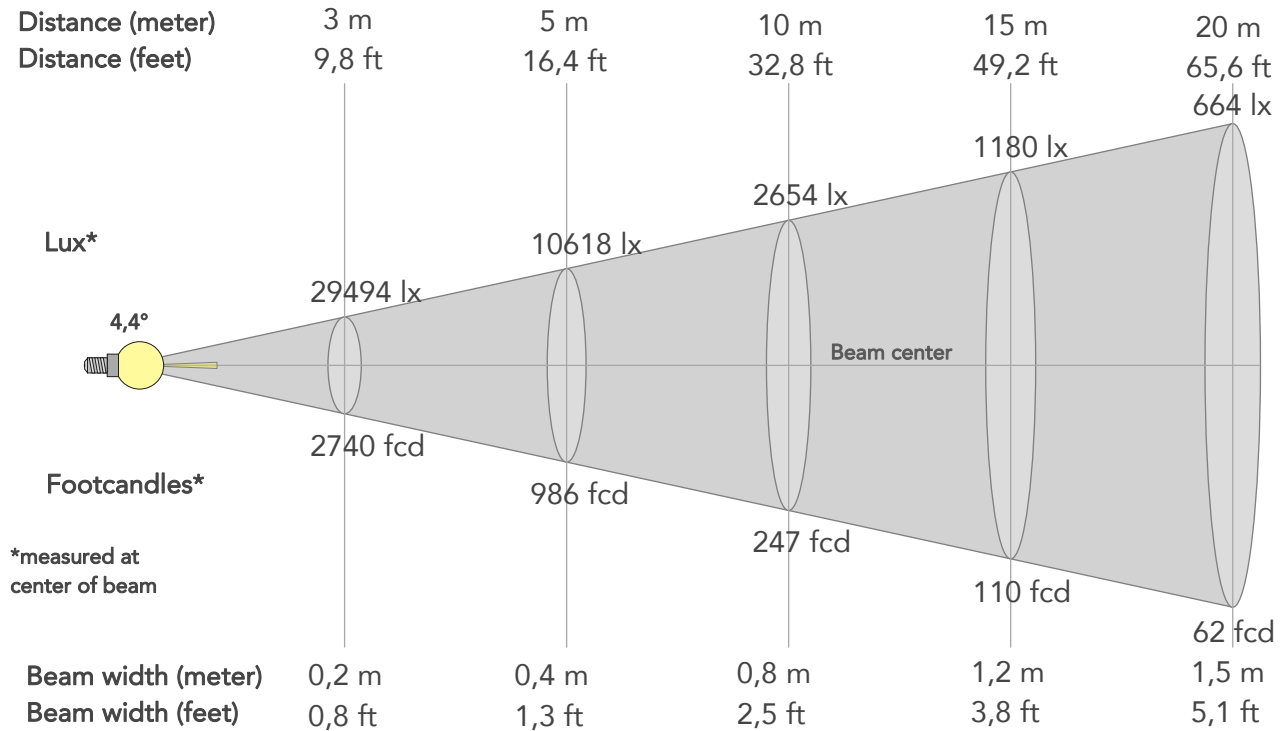
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	46	27%	-6%
2	45	23%	-19%
3	43	13%	-26%
4	73	7%	-12%
5	79	9%	6%
6	58	21%	19%
7	47	33%	9%
8	44	34%	-12%
9	47	24%	-24%
10	41	9%	-38%
11	53	-3%	-36%
12	71	-5%	-16%
13	91	0%	2%
14	66	-3%	25%
15	64	16%	15%
16	56	27%	15%



BEAM DETAILS



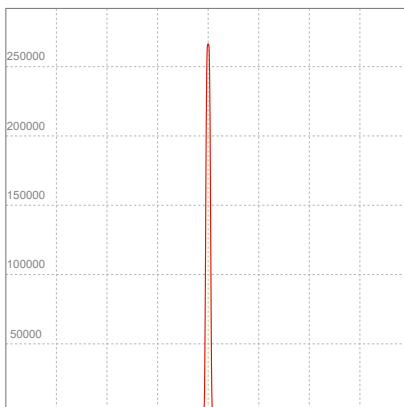
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,4°	6,2°	6,9°	100,0%	100,0%



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	265442lx	66361lx	29494lx	16590lx	10618lx	4719lx	2654lx	1180lx	664lx	425lx	295lx	166lx	106lx
Footcand.	24660fcd	6165fcd	2740fcd	1541fcd	986fcd	438fcd	247fcd	110fcd	62fcd	39fcd	27fcd	15fcd	10fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,5m	1,9m	2,3m	3,1m	3,9m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,5ft	3,8ft	5,1ft	6,3ft	7,6ft	10,1ft	12,7ft

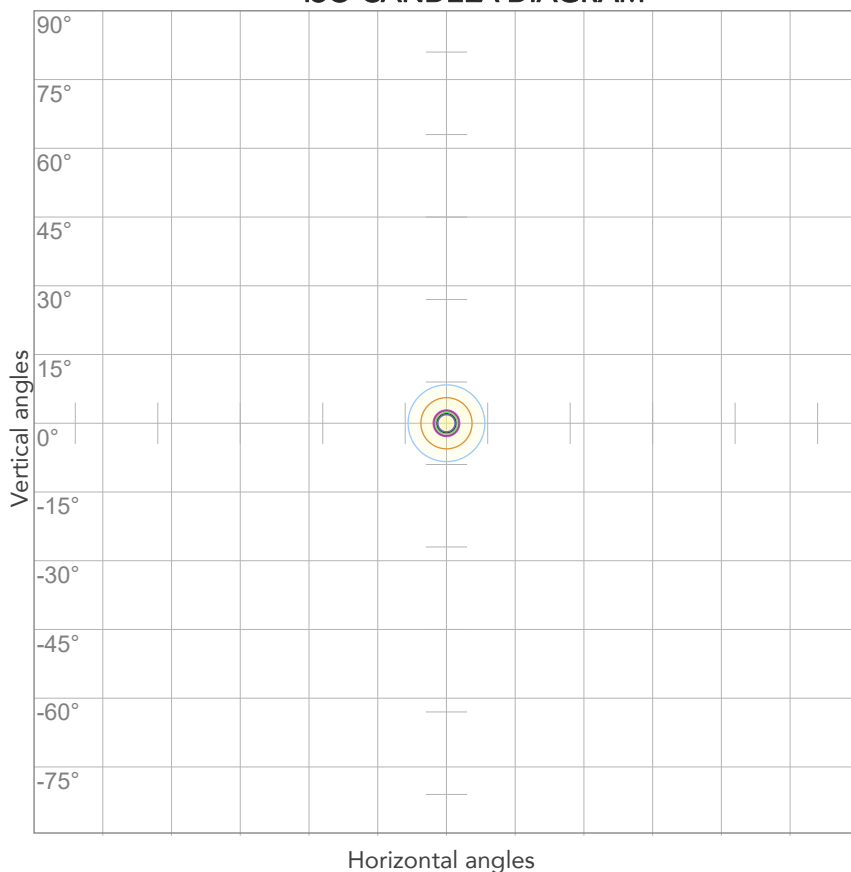
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,618A	124,9W	11lm/W

ISO CANDELA DIAGRAM



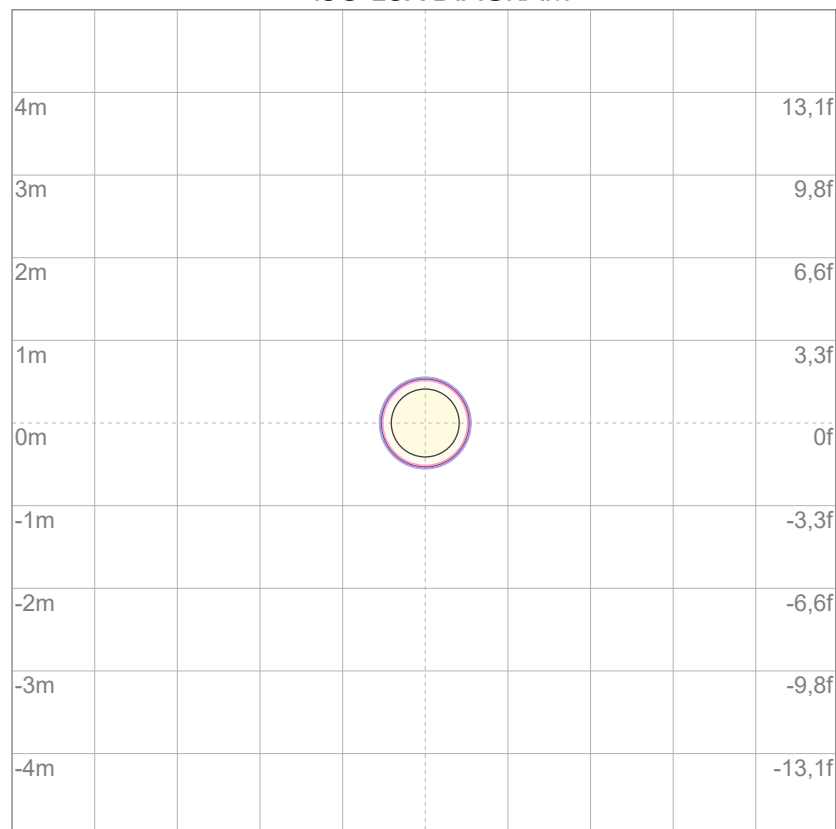
10%	26544 cd
20%	53088 cd
30%	79633 cd
40%	106177 cd
50%	132721 cd
60%	159265 cd
70%	185810 cd
80%	212354 cd

Conditions:

Number of c-planes: 2

Candela at center: 265442 cd

ISO LUX DIAGRAM



3%	79,6 lx
5%	133 lx
10%	265 lx
30%	796 lx
50%	1327 lx

Conditions:

Number of c-planes: 2

Lux at center: 2654 lx

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



Total lumen output:

2704 lm

Peak candela output:

8858 cd

Light quality:

CRI: 41,9

Color temperature:

3215 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

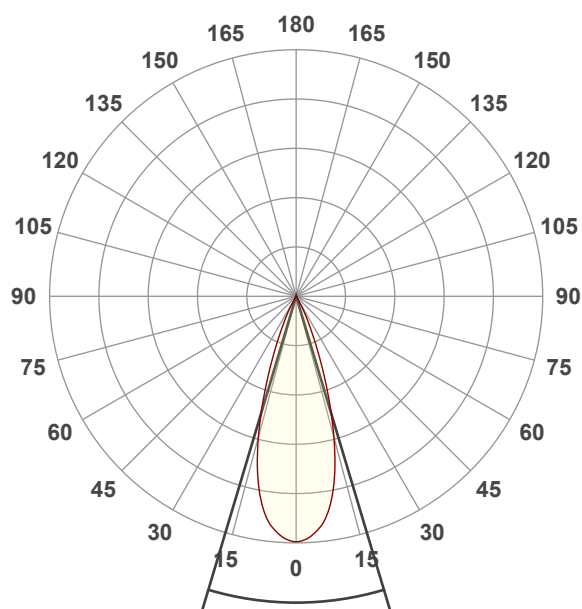
3200K

Operator:

Paolo Carvone

Date and time:

05/04/2022 14:34:00

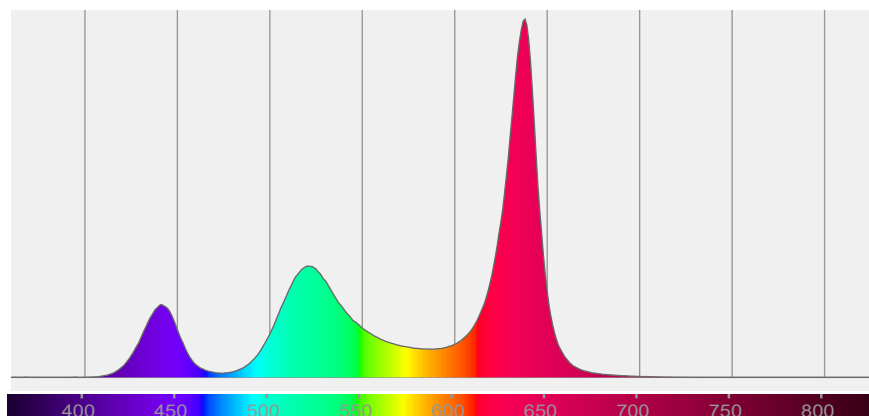


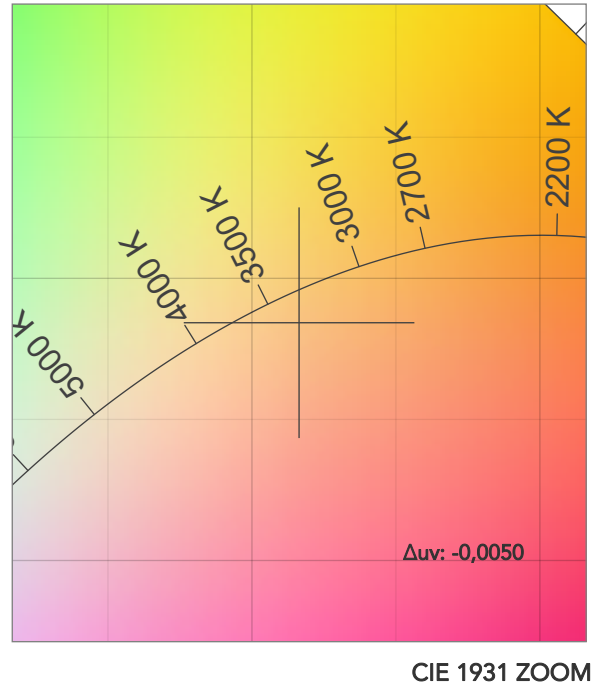
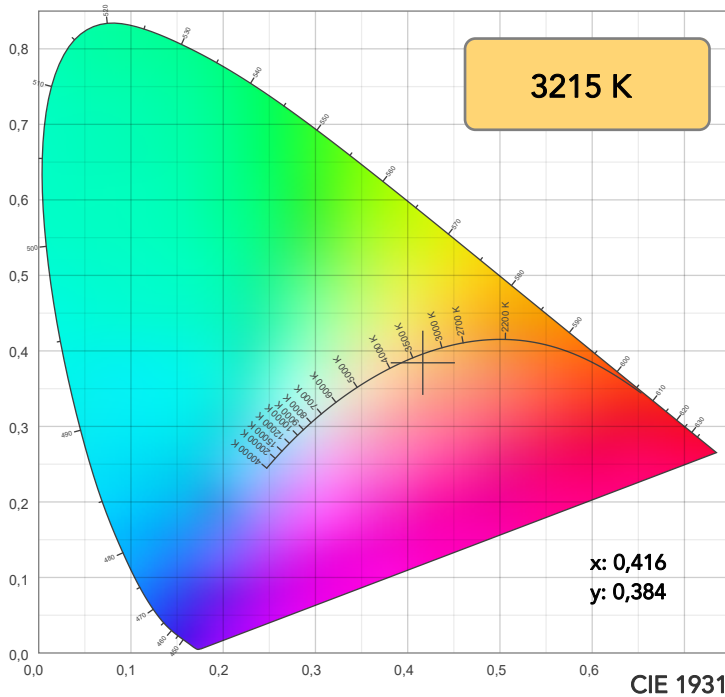
Beam angle 50%: 33,3°

Field angle 10%: 51,6°

Cut off angle 2.5%: 59,1°

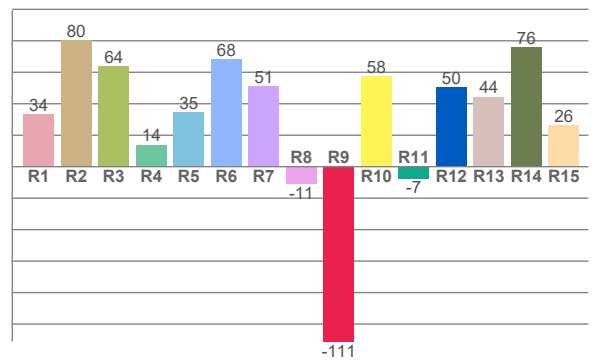
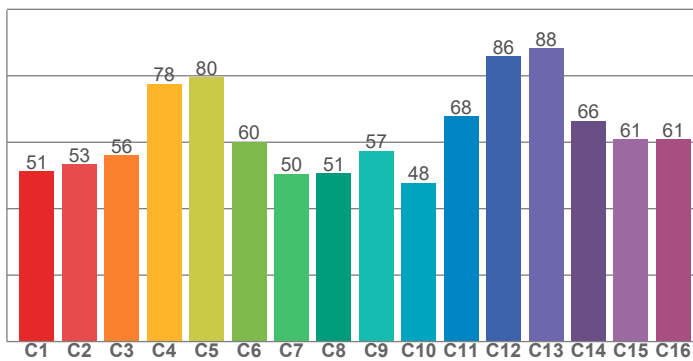
Spectra





TM30: 63,5

CRI: 41,9 (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
33,5	80,5	63,7	13,9	34,7	68,3	51,3	-10,9	-111,1	57,6	-7,4	50,3	44,4	75,9	26,1

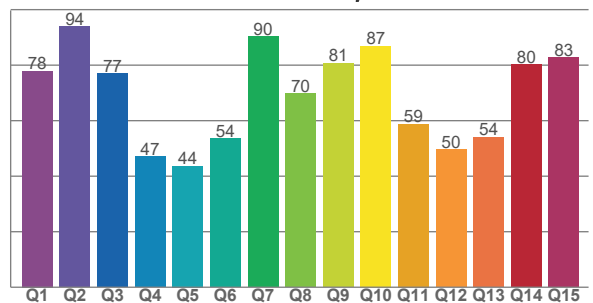
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
51,2	53,3	56,0	77,6	79,5	60,0	50,4	50,6	57,3	47,7	67,8	85,8	88,3	66,4	60,9	60,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,8	93,9	77,0	47,0	43,7	53,5	90,3	69,7	80,7	86,9	58,8	49,5	54,0	80,2	82,7

CQS: 65,4



COLOR PARAMETERS

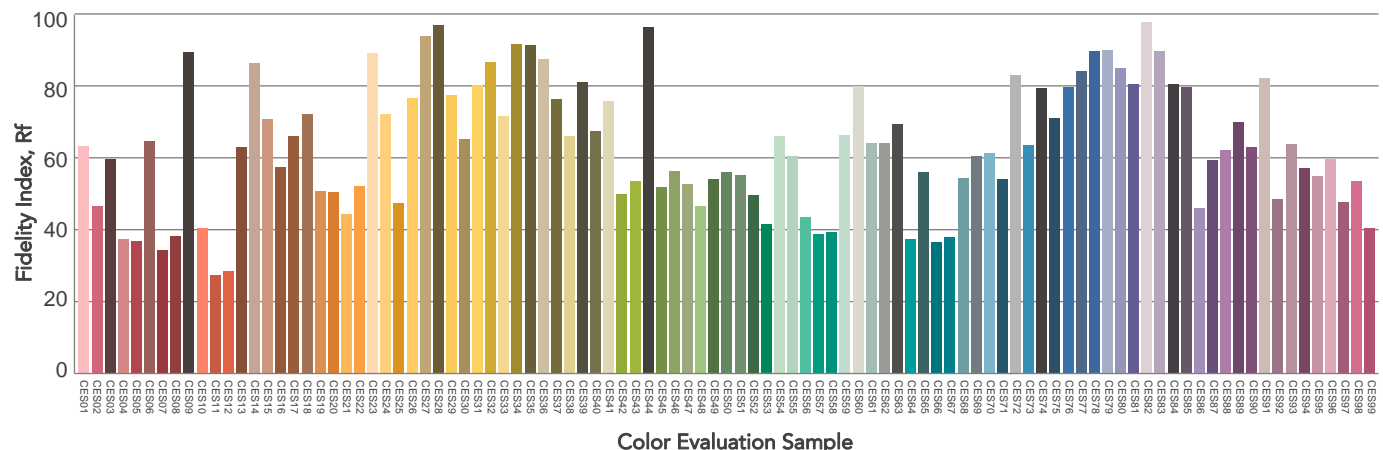
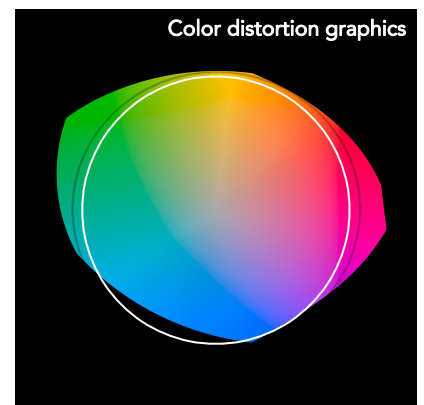
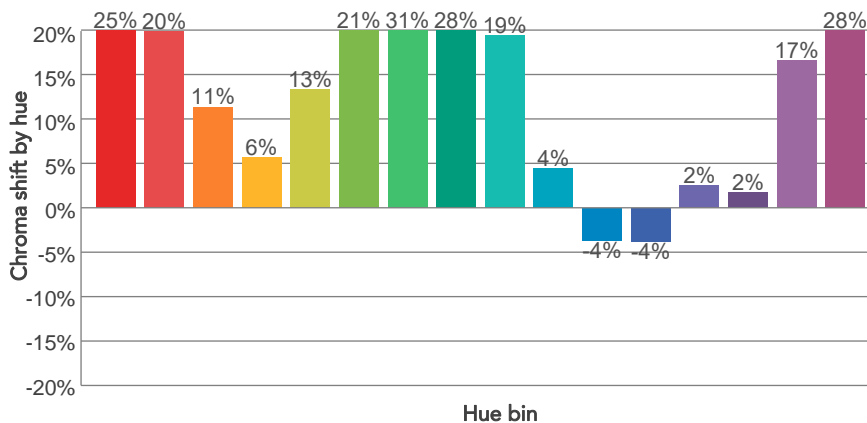
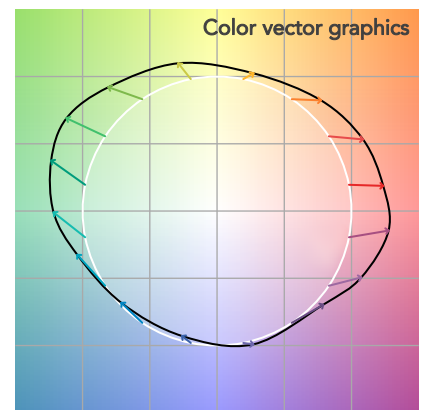
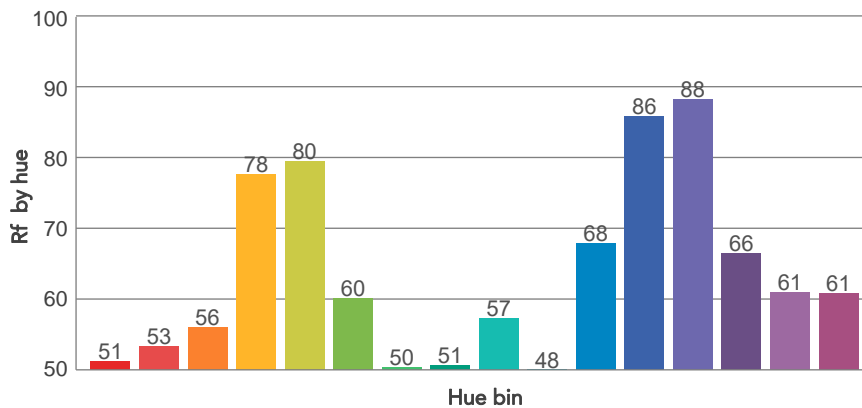
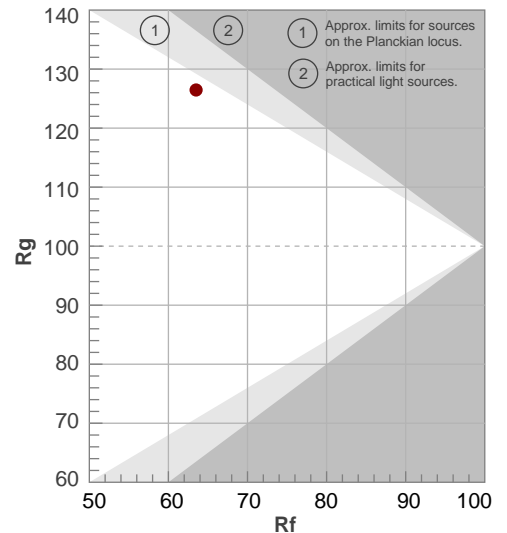
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3215 K	41,9	-111,1	63,5	126,5	65,4	23	0,416	0,384	-0,0050

TM30 DETAILS

Rf 63,5
Fidelity index Rf

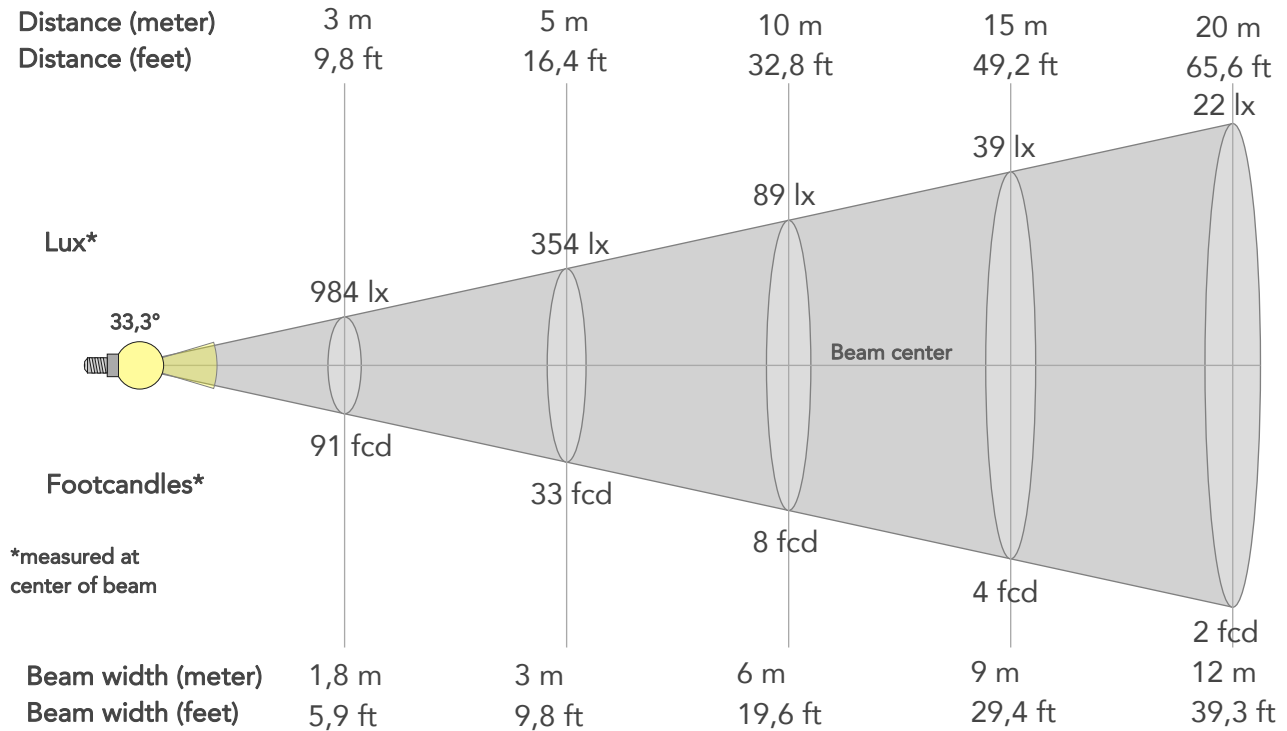
Rg 126,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	51	25%	-6%
2	53	20%	-16%
3	56	11%	-19%
4	78	6%	-7%
5	80	13%	7%
6	60	21%	16%
7	50	31%	5%
8	51	28%	-13%
9	57	19%	-23%
10	48	4%	-31%
11	68	-4%	-21%
12	86	-4%	-7%
13	88	2%	7%
14	66	2%	27%
15	61	17%	19%
16	61	28%	11%



BEAM DETAILS

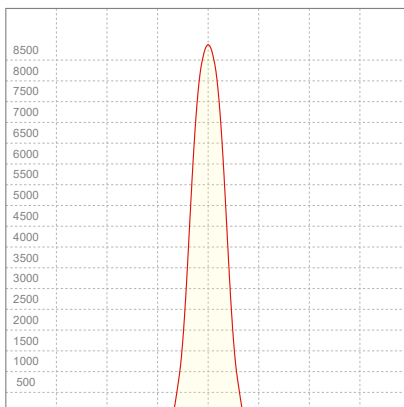
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,3°	51,6°	59,1°	100,0%	100,0%



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	8858lx	2215lx	984lx	554lx	354lx	157lx	89lx	39lx	22lx	14lx	10lx	6lx	4lx
Footcand.	823fcd	206fcd	91fcd	51fcd	33fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	23,9m	29,9m
Beam wid.	2ft	3,9ft	5,9ft	7,8ft	9,8ft	14,7ft	19,6ft	29,4ft	39,3ft	49,1ft	58,9ft	78,5ft	98,1ft

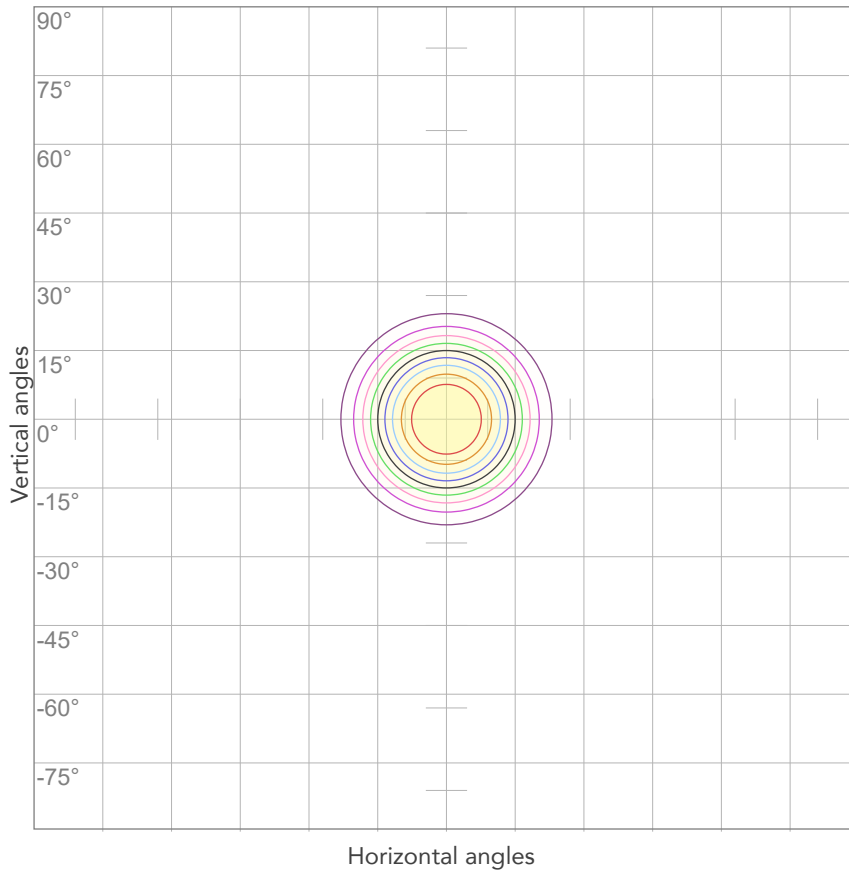
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,673A	137,9W	20lm/W

ISO CANDELA DIAGRAM



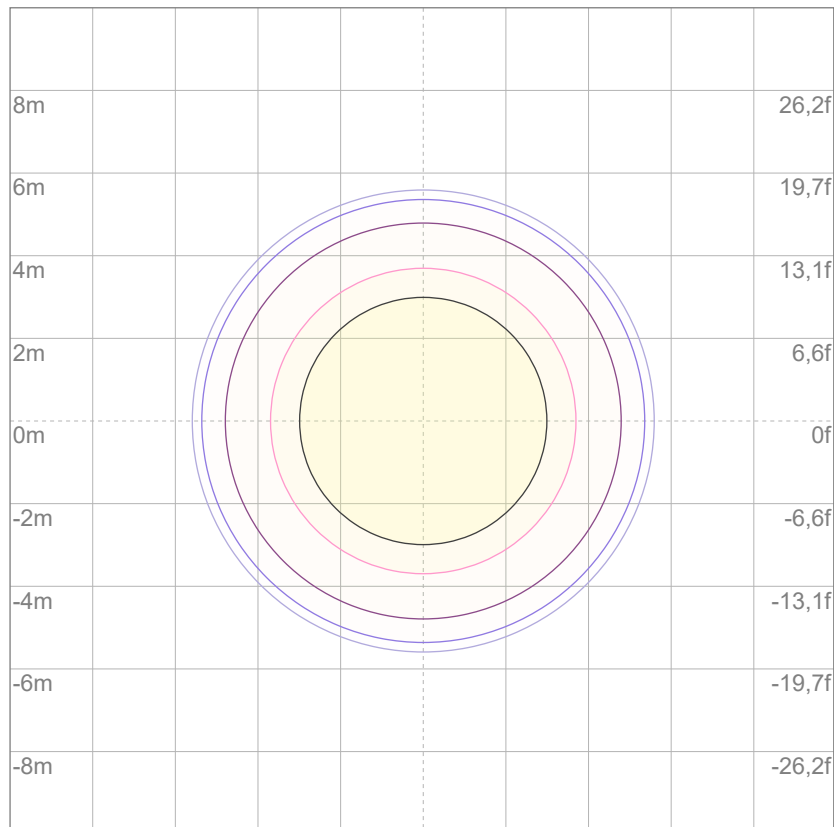
10%	886 cd
20%	1772 cd
30%	2657 cd
40%	3543 cd
50%	4429 cd
60%	5315 cd
70%	6201 cd
80%	7086 cd

Conditions:

Number of c-planes: 2

Candela at center: 8858 cd

ISO LUX DIAGRAM



3%	2,66 lx
5%	4,43 lx
10%	8,86 lx
30%	26,6 lx
50%	44,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 88,6 lx

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



Total lumen output:

2281 lm

Peak candela output:

29834 cd

Light quality:

CRI: 41,2

Color temperature:

3195 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

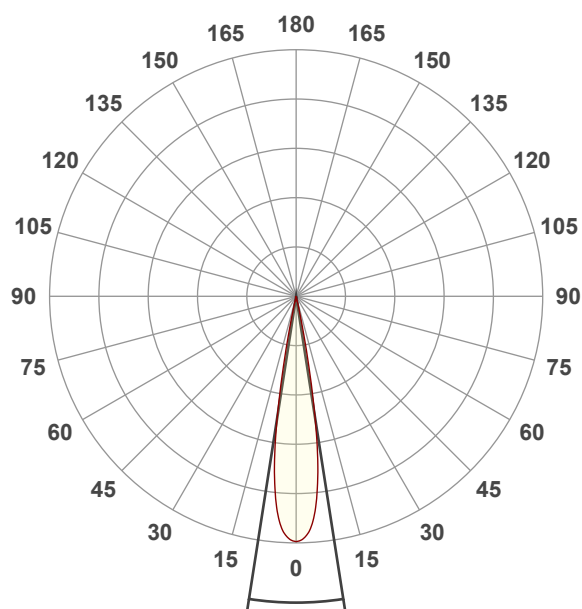
3200K

Operator:

Paolo Carvone

Date and time:

05/04/2022 13:26:56

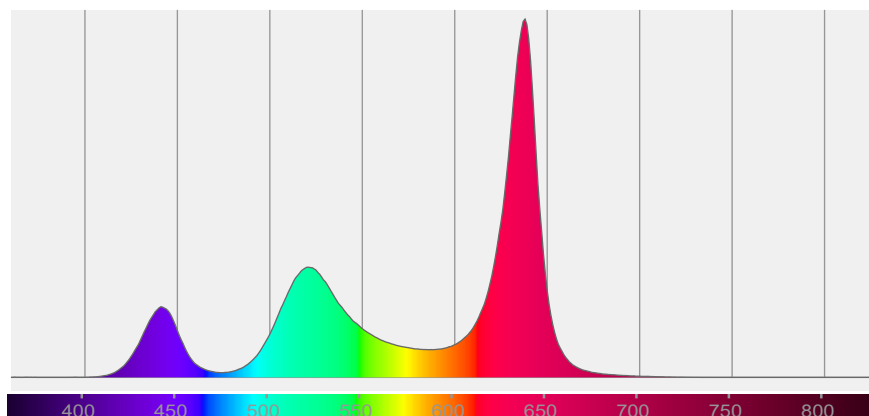


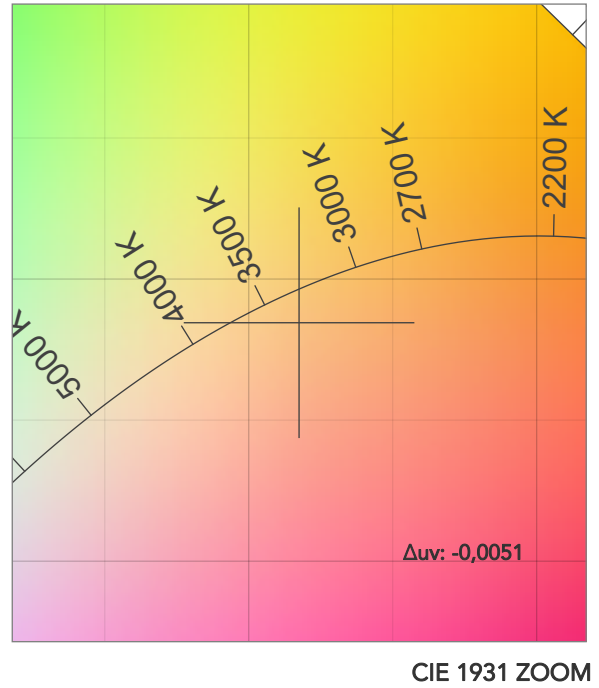
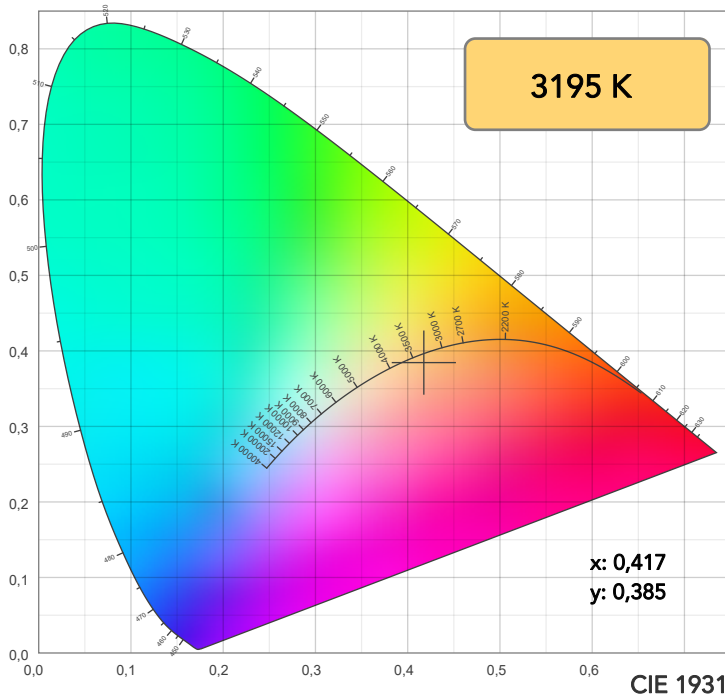
Beam angle 50%: 17,7°

Field angle 10%: 23,8°

Cut off angle 2.5%: 26°

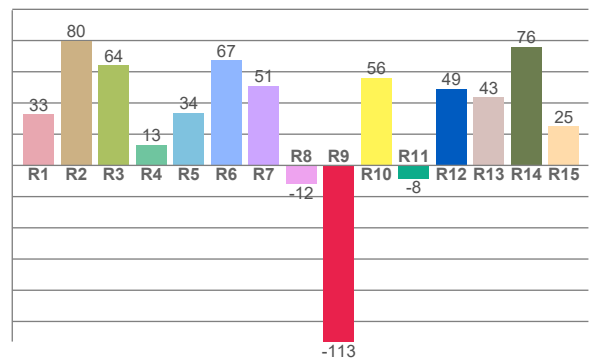
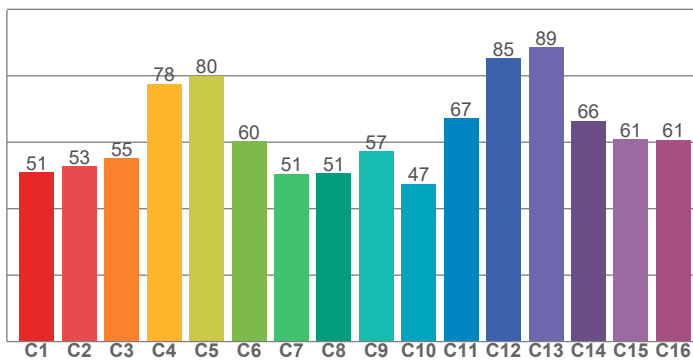
Spectra





TM30: 63,3

CRI: 41,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
32,6	79,8	64,0	13,3	33,7	67,3	51,1	-11,9	-112,9	56,1	-8,3	49,2	43,5	76,1	25,3

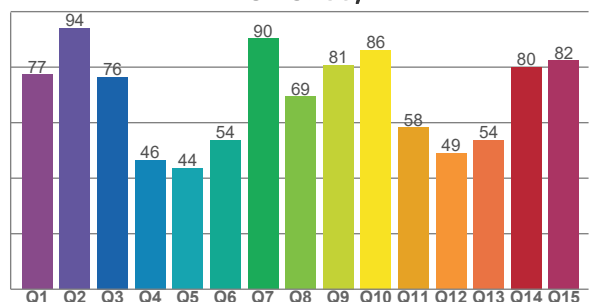
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
50,9	52,8	55,2	77,5	80,0	60,3	50,6	50,6	57,2	47,4	67,2	85,3	88,6	66,4	60,8	60,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,3	94,0	76,4	46,5	43,6	53,7	90,2	69,4	80,7	86,2	58,2	49,0	53,6	80,0	82,4

CQS: 65,1



COLOR PARAMETERS

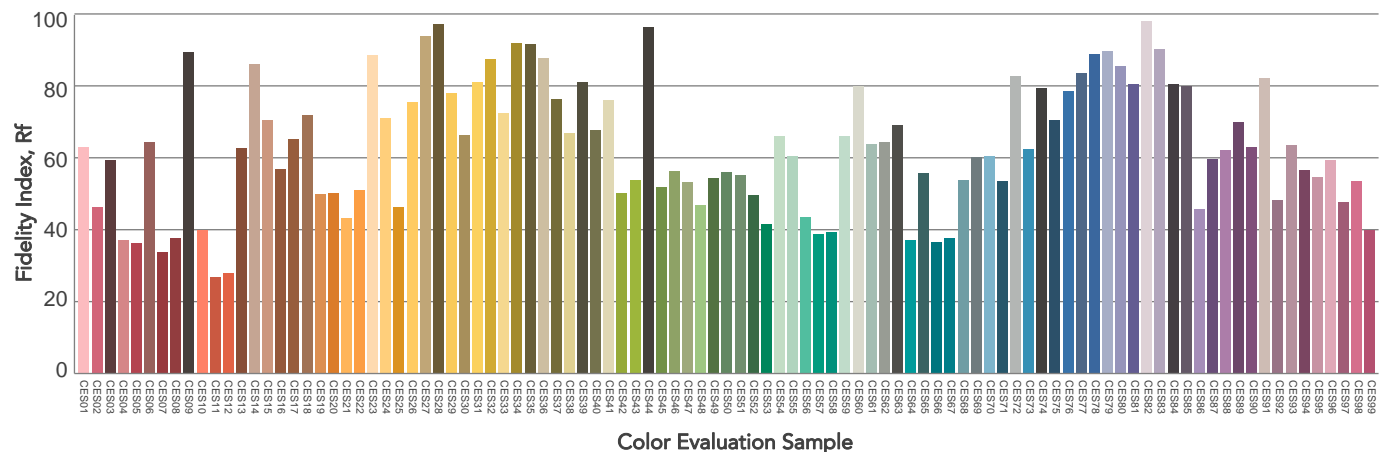
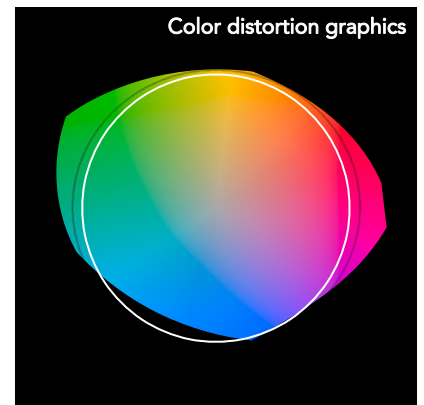
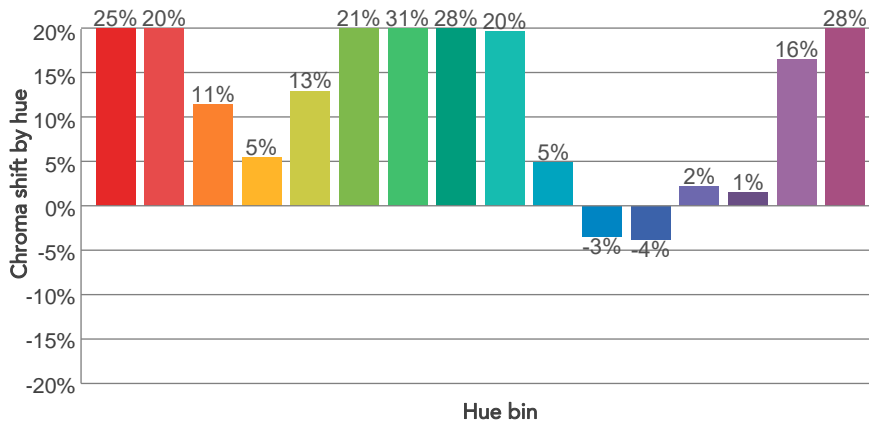
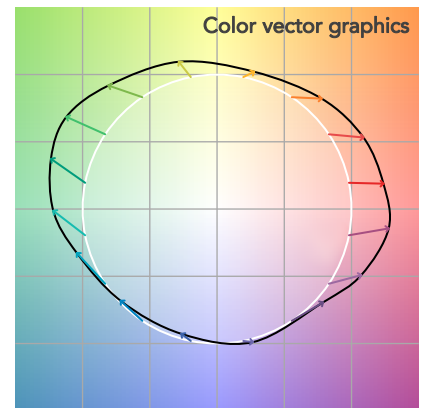
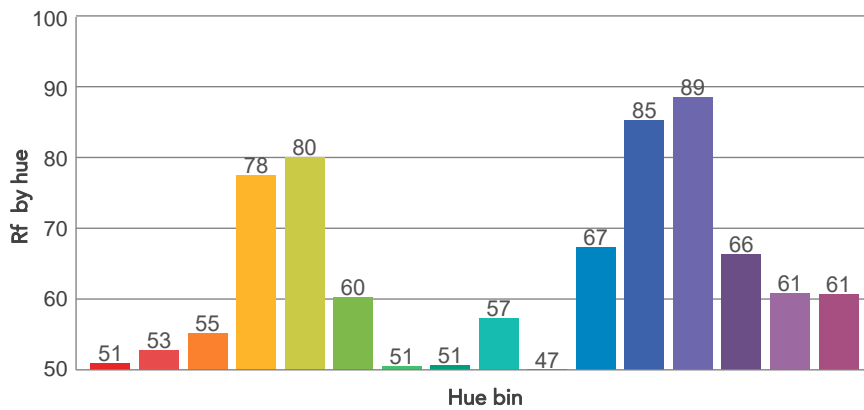
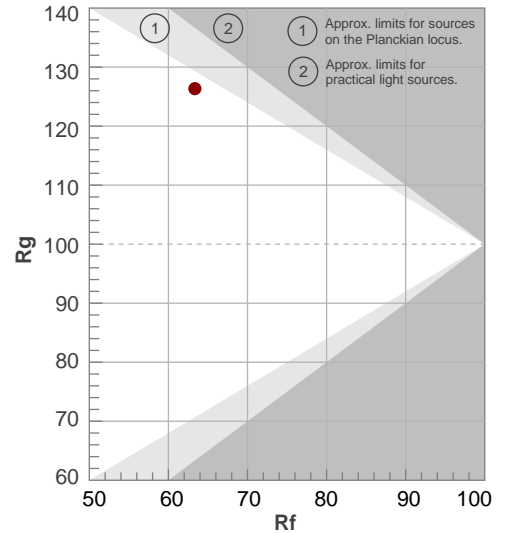
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3195 K	41,2	-112,9	63,3	126,3	65,1	23	0,417	0,385	-0,0051

TM30 DETAILS

Rf 63,3
Fidelity index Rf

Rg 126,3
Gammut index

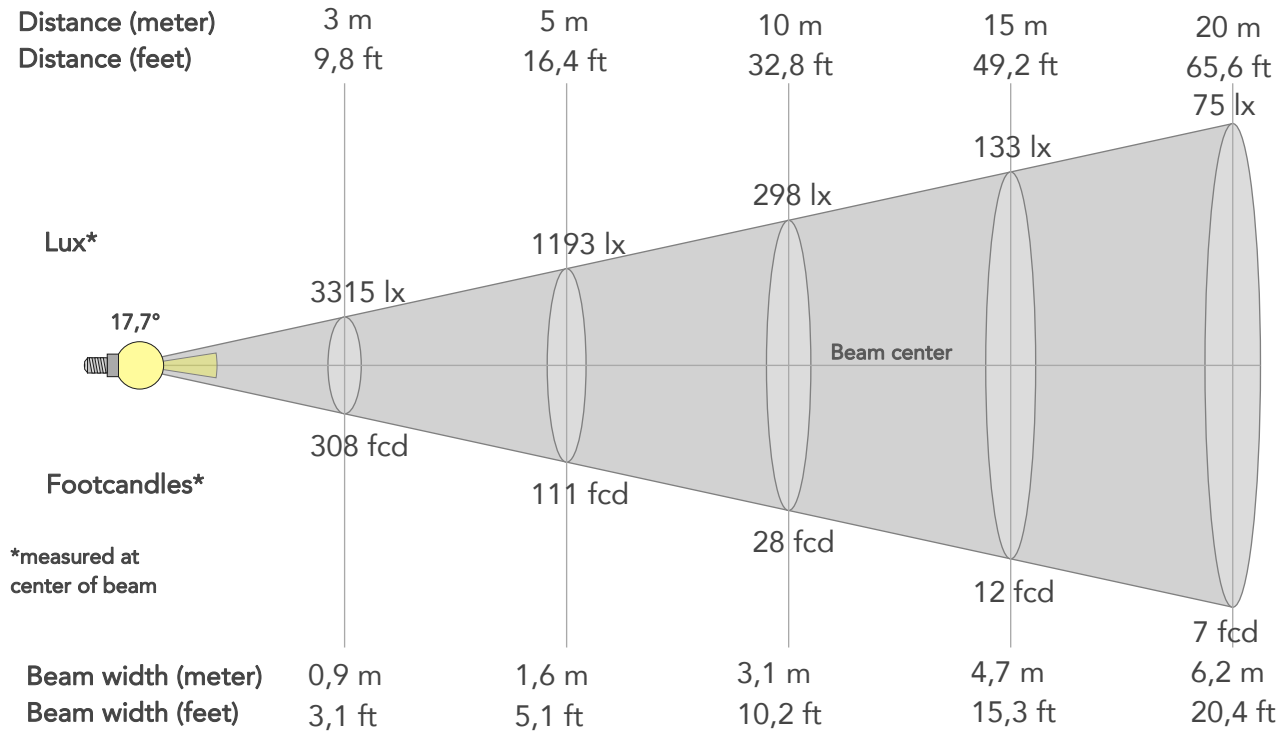
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	51	25%	-6%
2	53	20%	-16%
3	55	11%	-19%
4	78	5%	-7%
5	80	13%	7%
6	60	21%	16%
7	51	31%	5%
8	51	28%	-12%
9	57	20%	-22%
10	47	5%	-31%
11	67	-3%	-22%
12	85	-4%	-8%
13	89	2%	7%
14	66	1%	27%
15	61	16%	19%
16	61	28%	11%



BEAM DETAILS



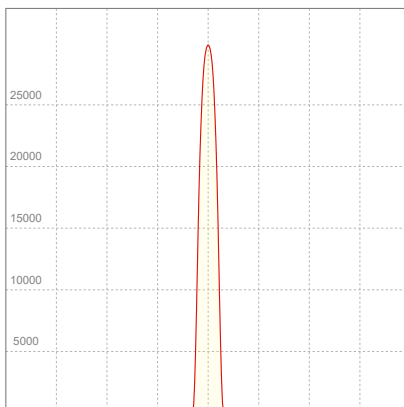
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,7°	23,8°	26°	100,0%	100,0%



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	29834lx	7458lx	3315lx	1865lx	1193lx	530lx	298lx	133lx	75lx	48lx	33lx	19lx	12lx
Footcand.	2772fcd	693fcd	308fcd	173fcd	111fcd	49fcd	28fcd	12fcd	7fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,6m	2,3m	3,1m	4,7m	6,2m	7,8m	9,3m	12,5m	15,6m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,2ft	15,3ft	20,4ft	25,6ft	30,7ft	40,9ft	51,1ft

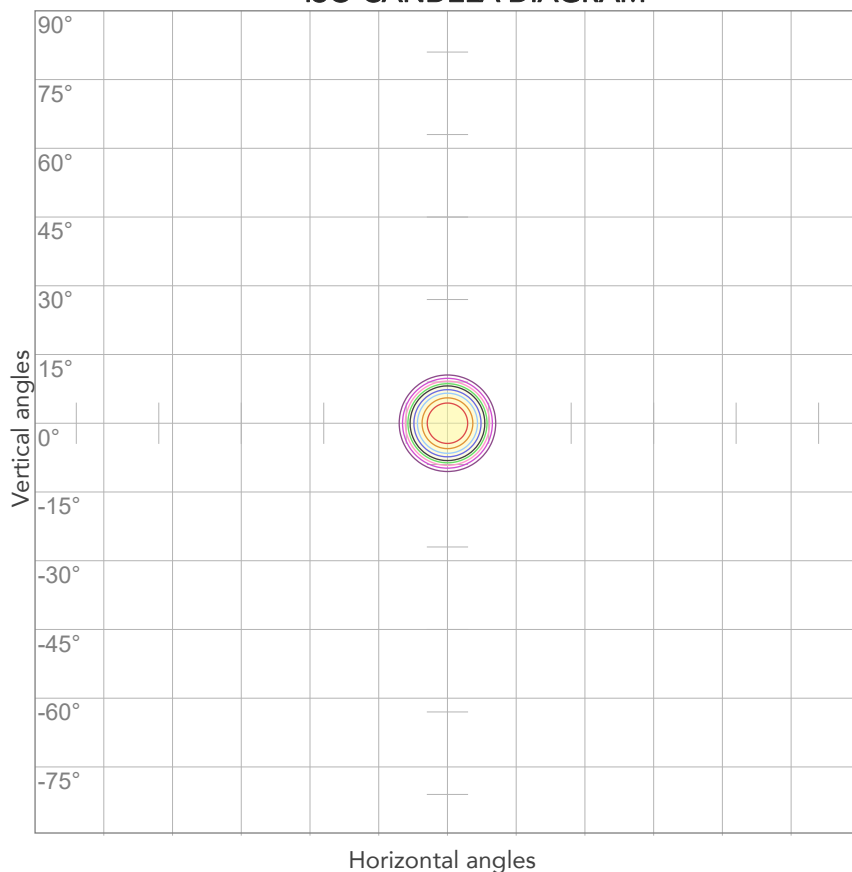
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,670A	136,1W	17lm/W

ISO CANDELA DIAGRAM



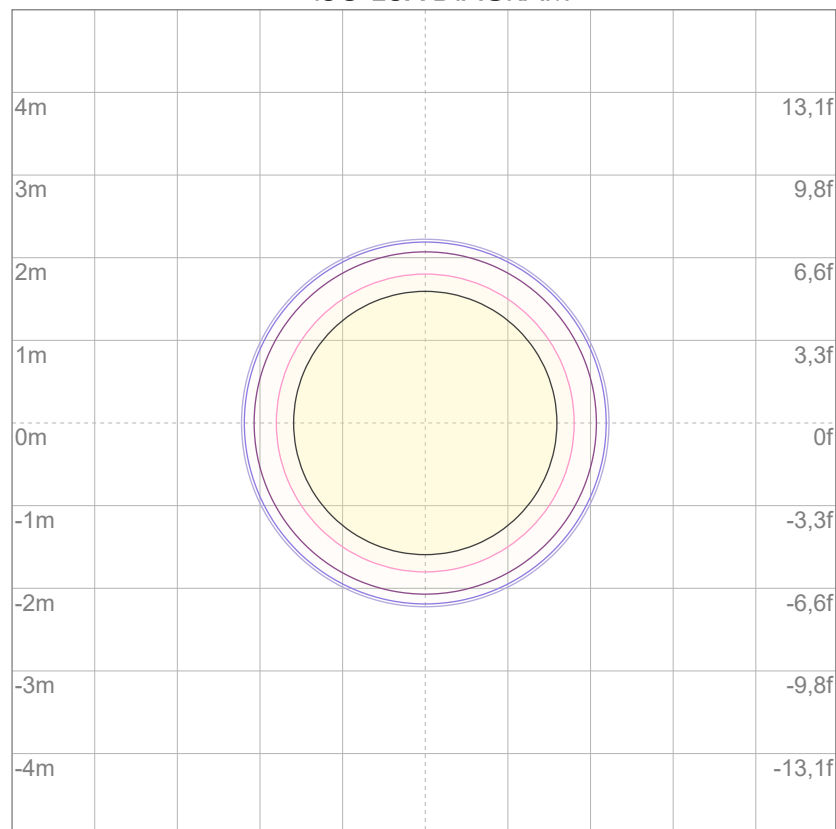
10%	2983 cd
20%	5967 cd
30%	8950 cd
40%	11934 cd
50%	14917 cd
60%	17900 cd
70%	20884 cd
80%	23867 cd

Conditions:

Number of c-planes: 2

Candela at center: 29834 cd

ISO LUX DIAGRAM



3%	8,95 lx
5%	14,9 lx
10%	29,8 lx
30%	89,5 lx
50%	149 lx

Conditions:

Number of c-planes: 2

Lux at center: 298 lx

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



Total lumen output:

1596 lm

Peak candela output:

314785 cd

Light quality:

CRI: 42,0

Color temperature:

3246 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

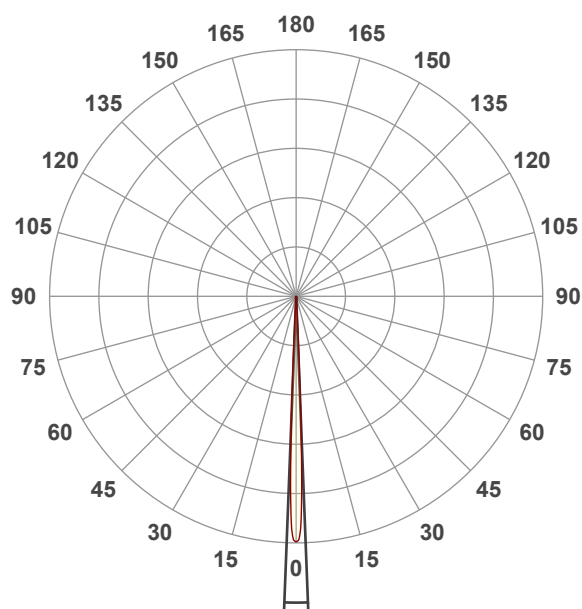
3200K

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:30:45

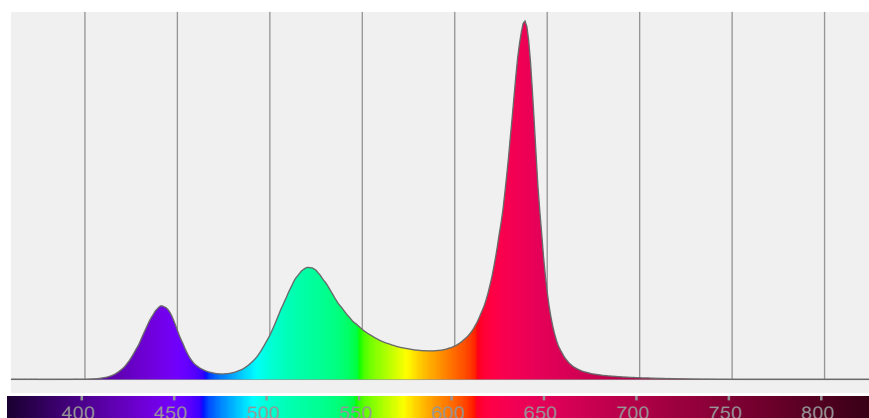


Beam angle 50%: 4,4°

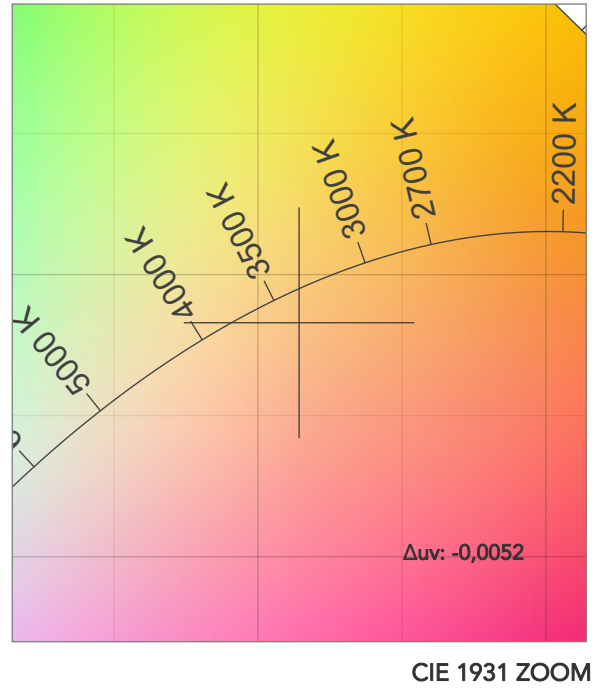
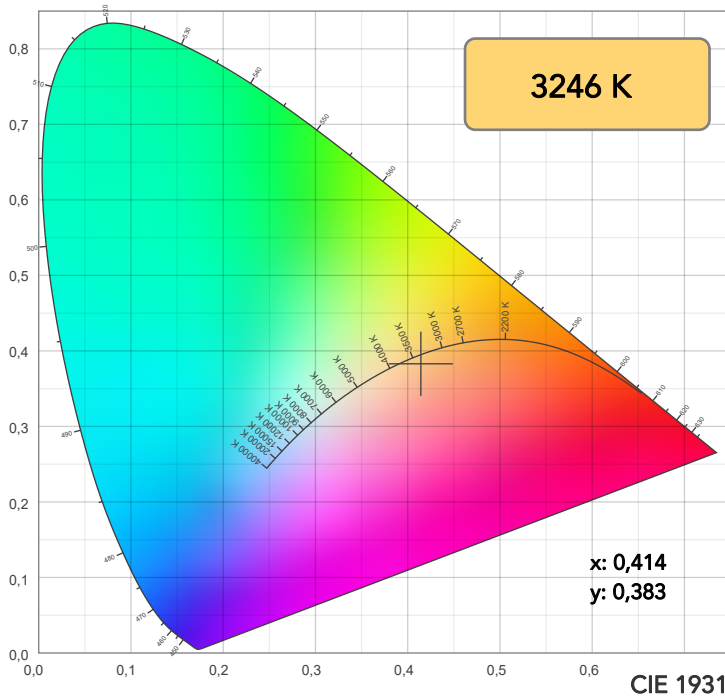
Field angle 10%: 6,2°

Cut off angle 2.5%: 7,1°

Spectra

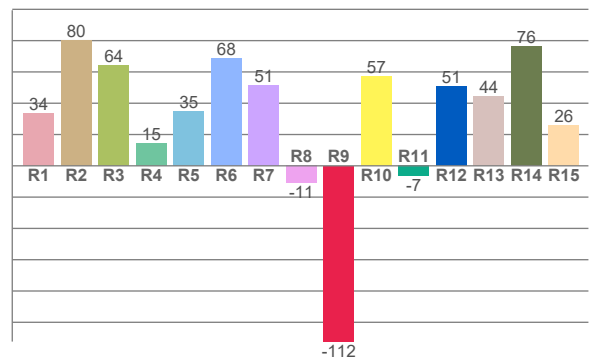
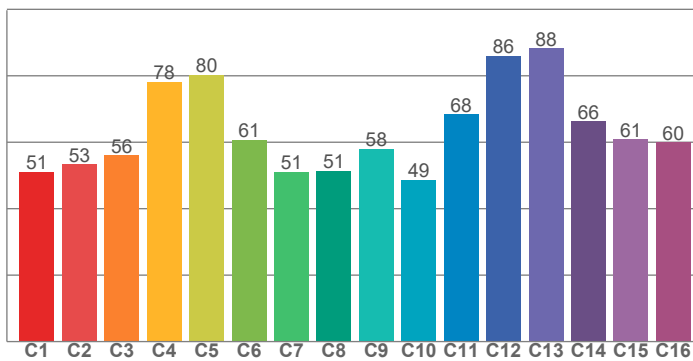


COLOR DETAILS



TM30: 63,9

CRI: 42,0 (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
33,6	80,3	64,0	14,5	35,0	68,4	51,4	-11,0	-112,3	57,3	-6,5	51,0	44,5	76,1	25,9

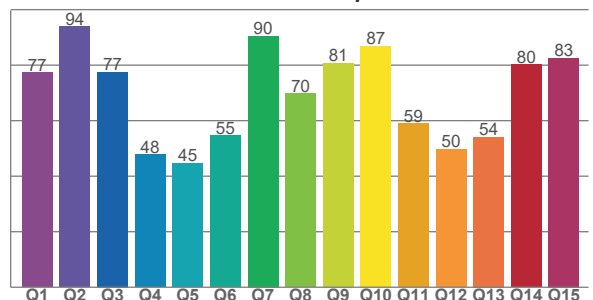
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
51,0	53,4	56,0	78,1	80,3	60,7	51,1	51,4	58,1	48,7	68,4	86,1	88,3	66,3	60,8	59,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,3	93,9	77,5	47,7	44,7	54,7	90,5	69,7	80,7	86,8	59,0	49,7	54,2	80,3	82,6

CQS: 65,7



COLOR PARAMETERS

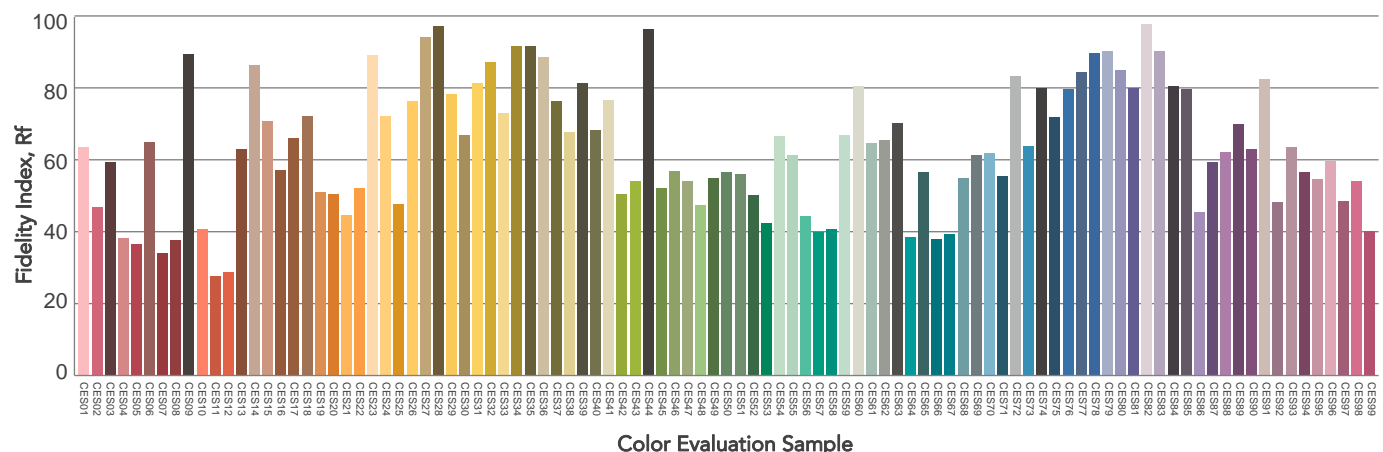
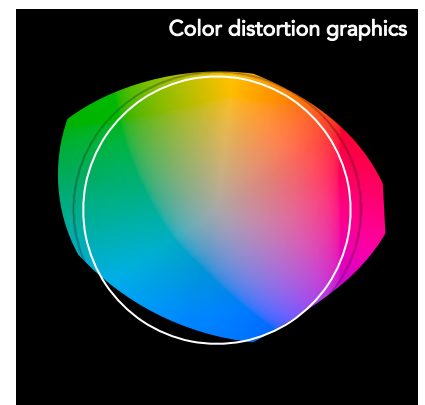
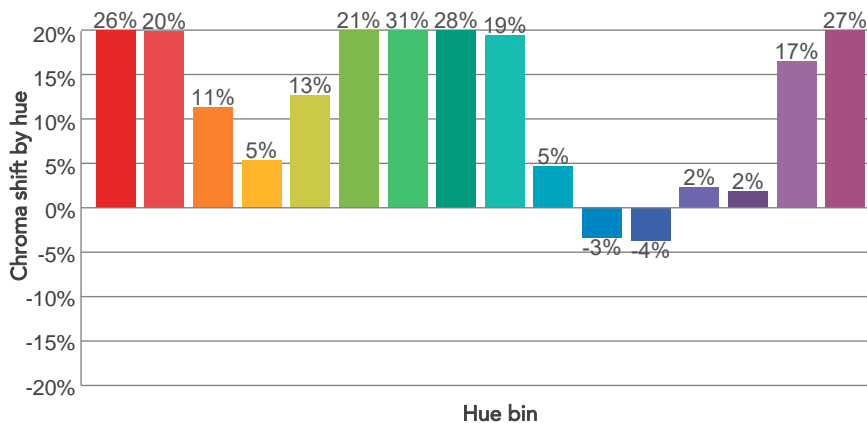
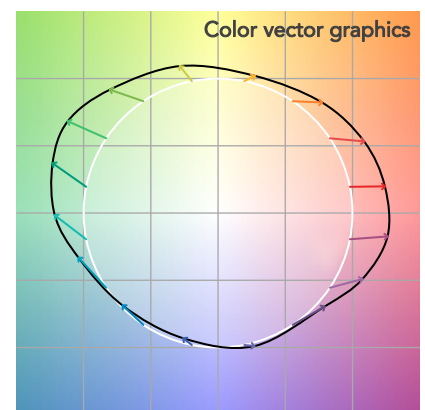
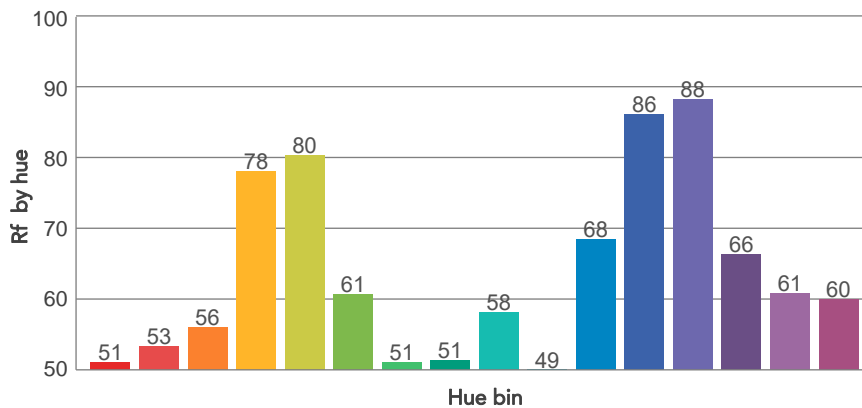
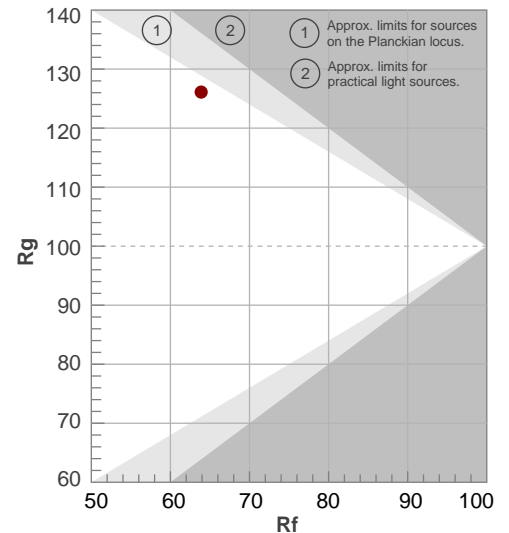
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3246 K	42,0	-112,3	63,9	126,1	65,7	24	0,414	0,383	-0,0052

TM30 DETAILS

Rf 63,9
Fidelity index Rf

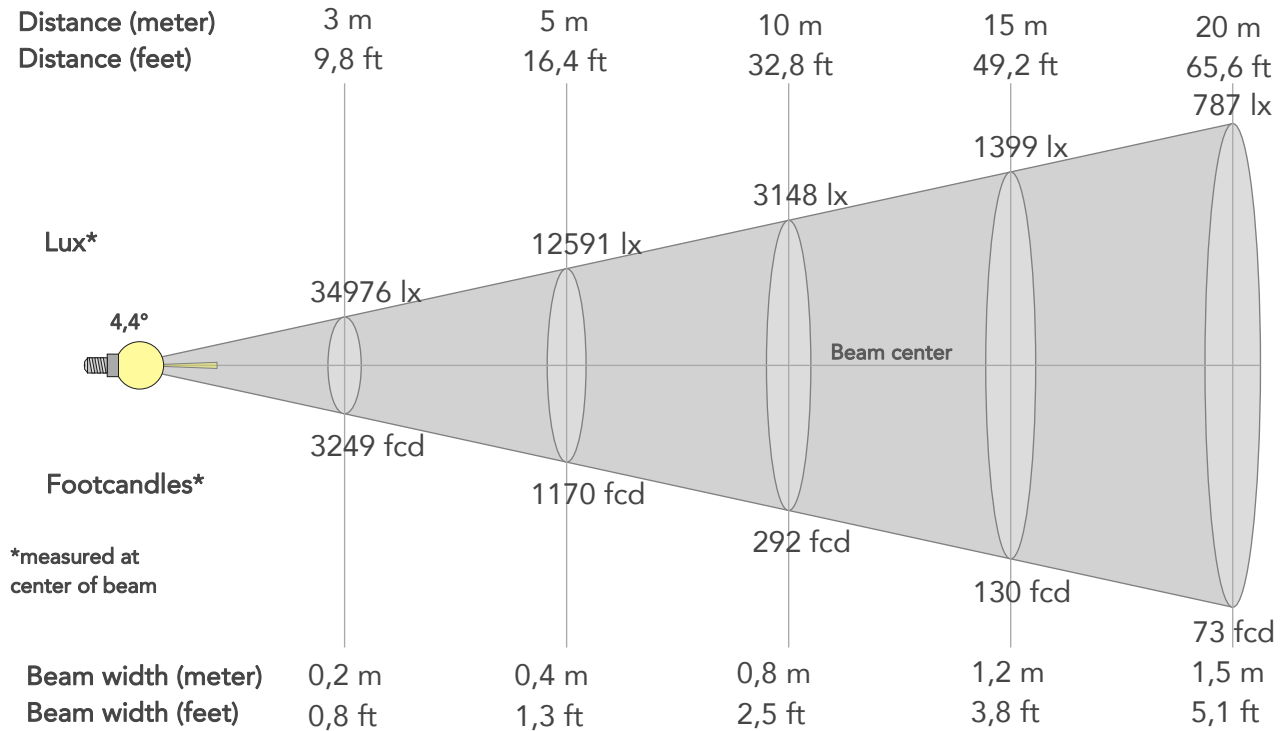
Rg 126,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	51	26%	-5%
2	53	20%	-16%
3	56	11%	-19%
4	78	5%	-7%
5	80	13%	7%
6	61	21%	16%
7	51	31%	5%
8	51	28%	-12%
9	58	19%	-22%
10	49	5%	-30%
11	68	-3%	-21%
12	86	-4%	-7%
13	88	2%	7%
14	66	2%	27%
15	61	17%	19%
16	60	27%	8%



BEAM DETAILS

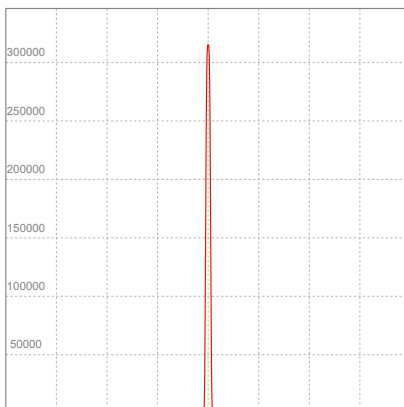
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,4°	6,2°	7,1°	100,0%	100,0%



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	314785lx	78696lx	34976lx	19674lx	12591lx	5596lx	3148lx	1399lx	787lx	504lx	350lx	197lx	126lx
Footcand.	29245fcd	7311fcd	3249fcd	1828fcd	1170fcd	520fcd	292fcd	130fcd	73fcd	47fcd	32fcd	18fcd	12fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,5m	1,9m	2,3m	3,1m	3,9m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,5ft	3,8ft	5,1ft	6,3ft	7,6ft	10,1ft	12,6ft

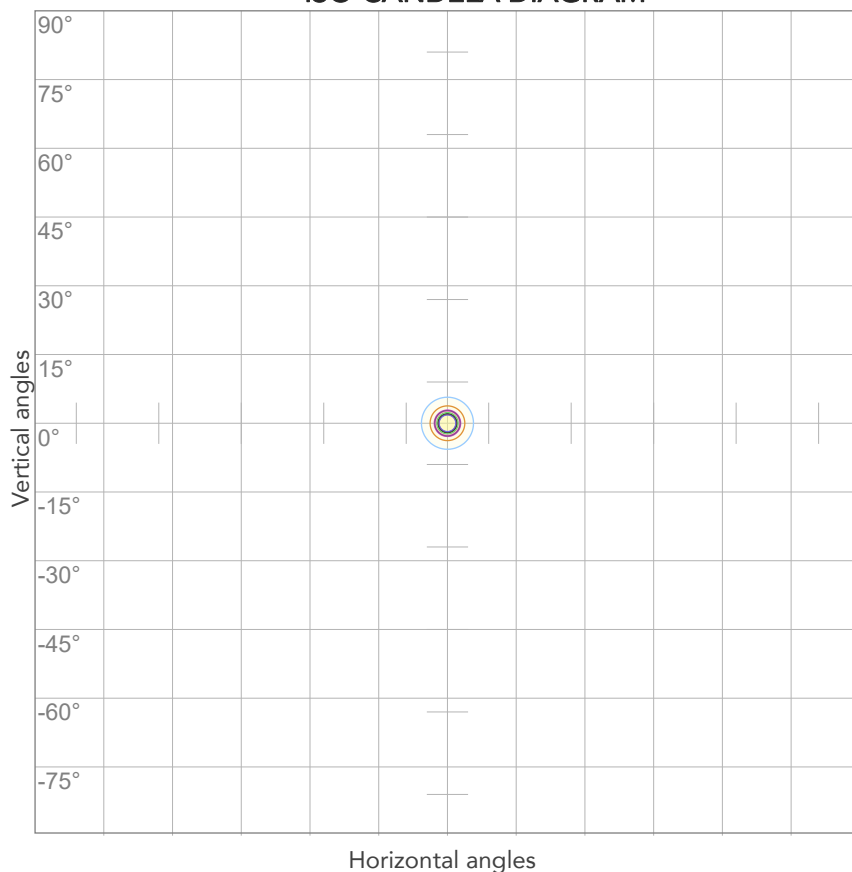
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,678A	138,8W	12lm/W

ISO CANDELA DIAGRAM



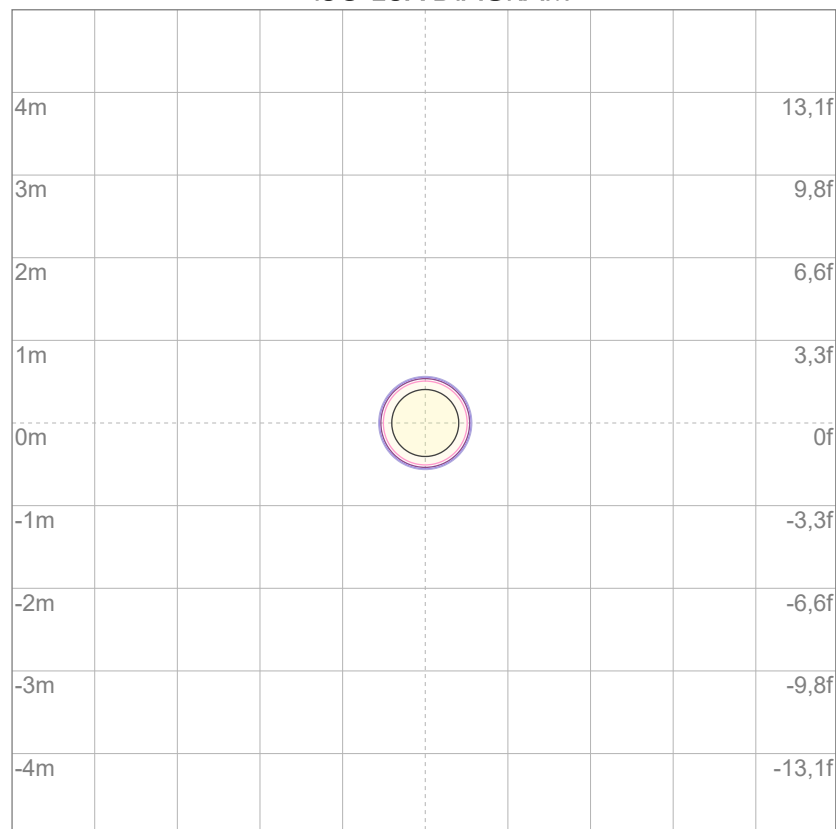
10%	31479 cd
20%	62957 cd
30%	94436 cd
40%	125914 cd
50%	157393 cd
60%	188871 cd
70%	220350 cd
80%	251828 cd

Conditions:

Number of c-planes: 2

Candela at center: 314785 cd

ISO LUX DIAGRAM



3%	94,4 lx
5%	157 lx
10%	315 lx
30%	944 lx
50%	1574 lx

Conditions:

Number of c-planes: 2

Lux at center: 3148 lx

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



Total lumen output:

3708 lm

Peak candela output:

11908 cd

Light quality:

CRI: 61,2

Color temperature:

4037 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

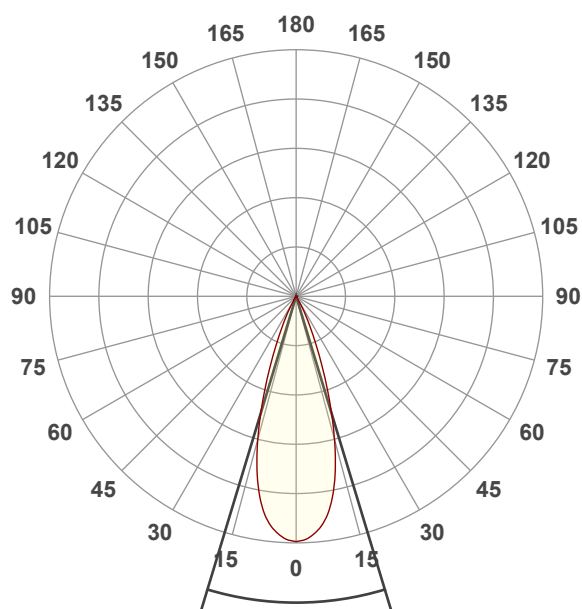
4000K

Operator:

Paolo Carvone

Date and time:

05/04/2022 14:30:53

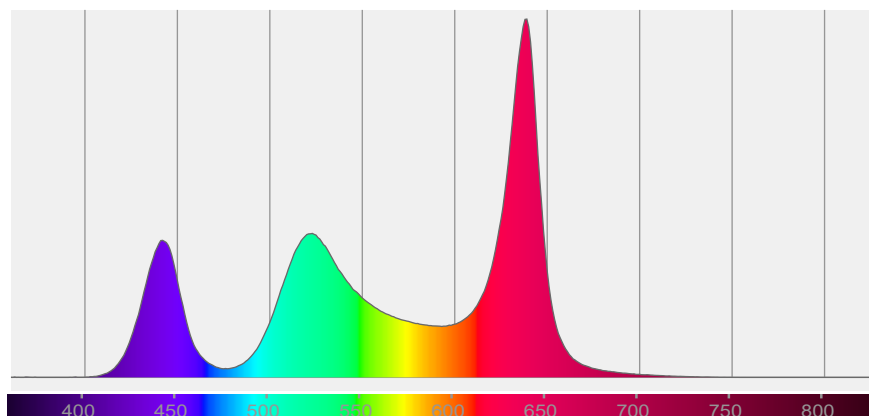


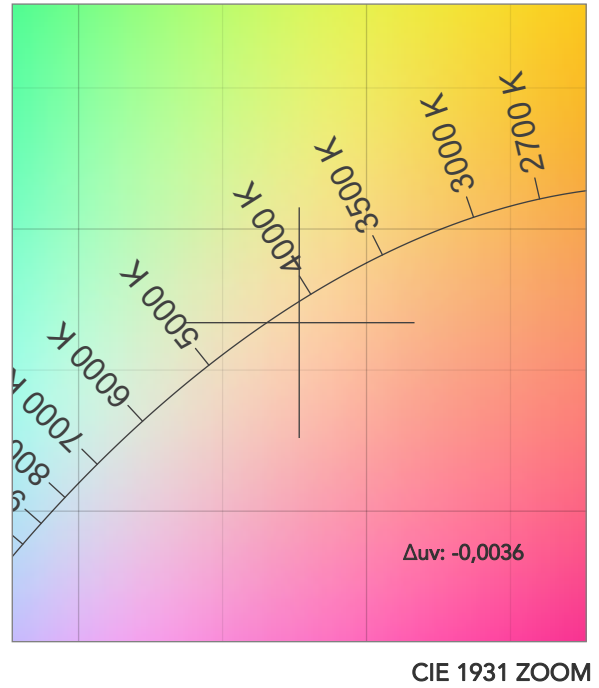
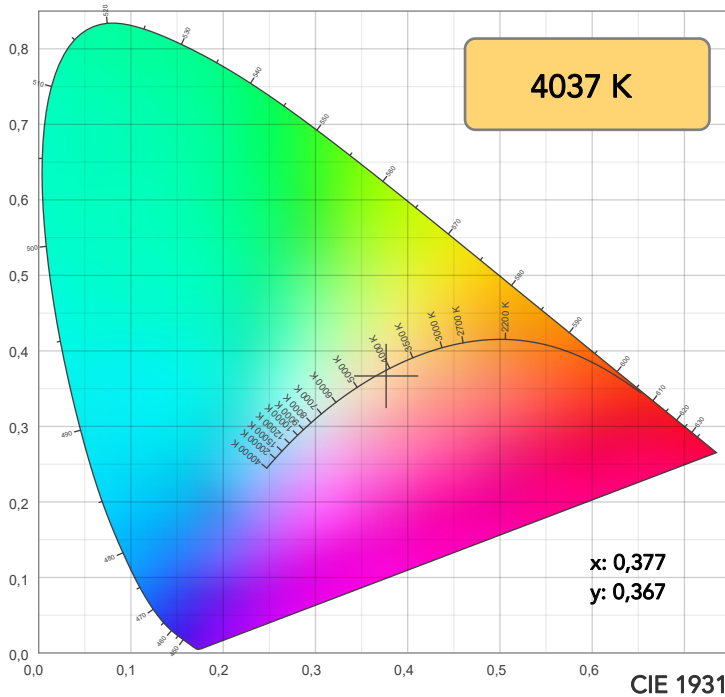
Beam angle 50%: 33,7°

Field angle 10%: 52,1°

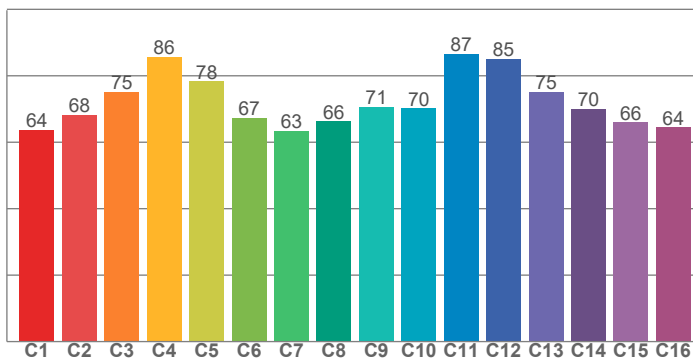
Cut off angle 2.5%: 59,4°

Spectra

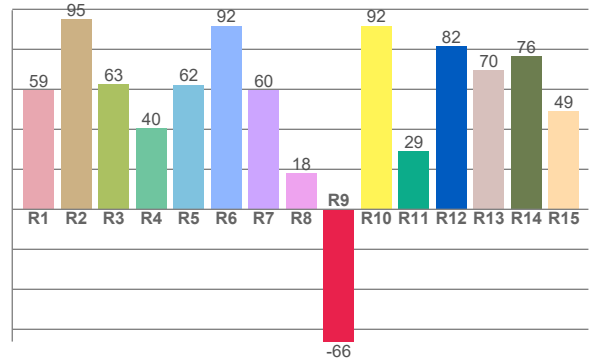




TM30: 72,8



CRI: 61,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
59,5	95,2	62,6	40,3	62,3	91,8	59,7	18,0	-66,1	91,8	28,9	81,5	69,6	76,5	49,1

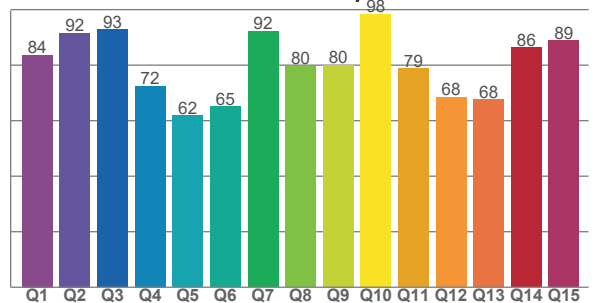
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
63,7	68,3	75,2	85,7	78,3	67,3	63,5	66,3	70,6	70,2	86,6	85,2	75,1	70,0	65,9	64,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,7	91,5	92,9	72,5	61,8	65,0	92,2	79,6	80,0	98,4	78,8	68,4	67,6	86,4	88,9

CQS: 77,6



COLOR PARAMETERS

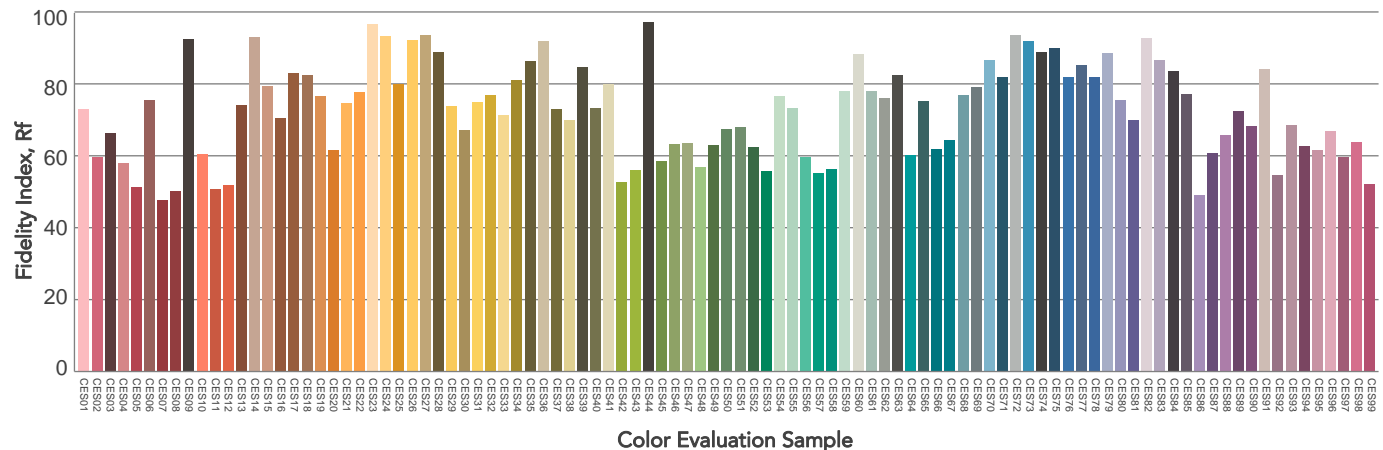
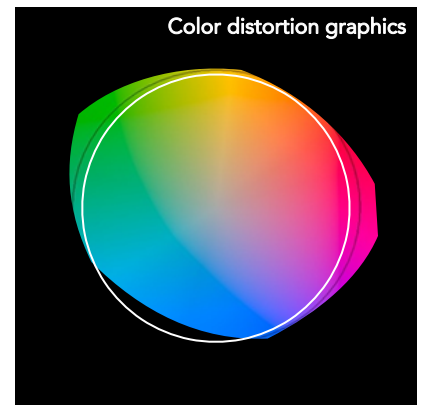
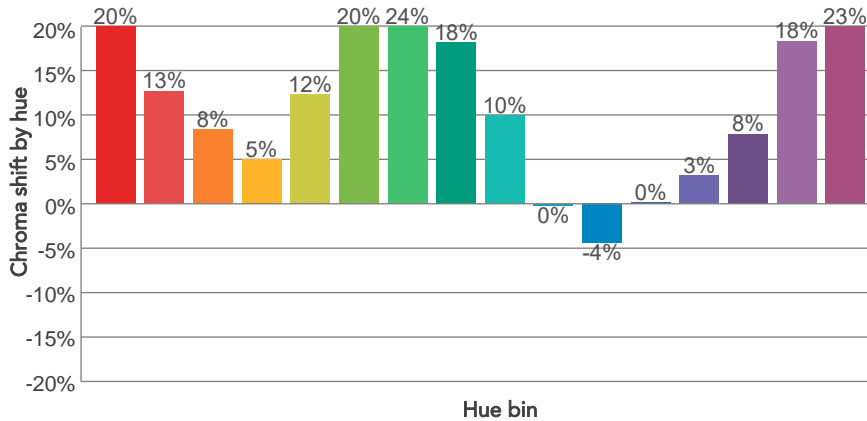
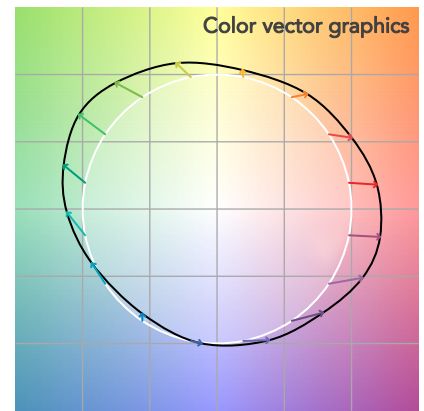
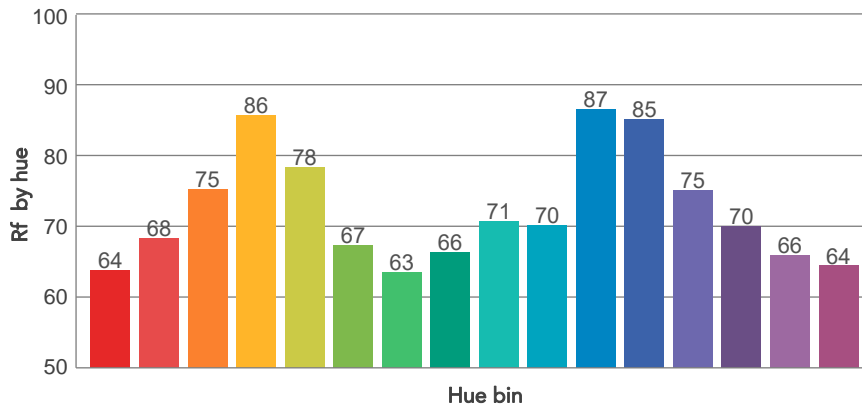
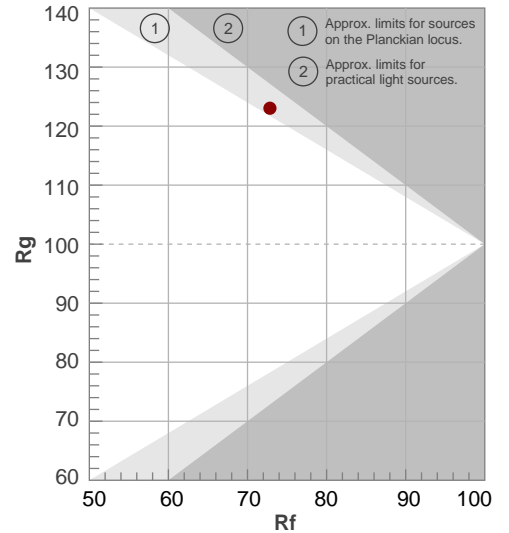
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4037 K	61,2	-66,1	72,8	123,0	77,6	39	0,377	0,367	-0,0036

TM30 DETAILS

Rf 72,8
Fidelity index Rf

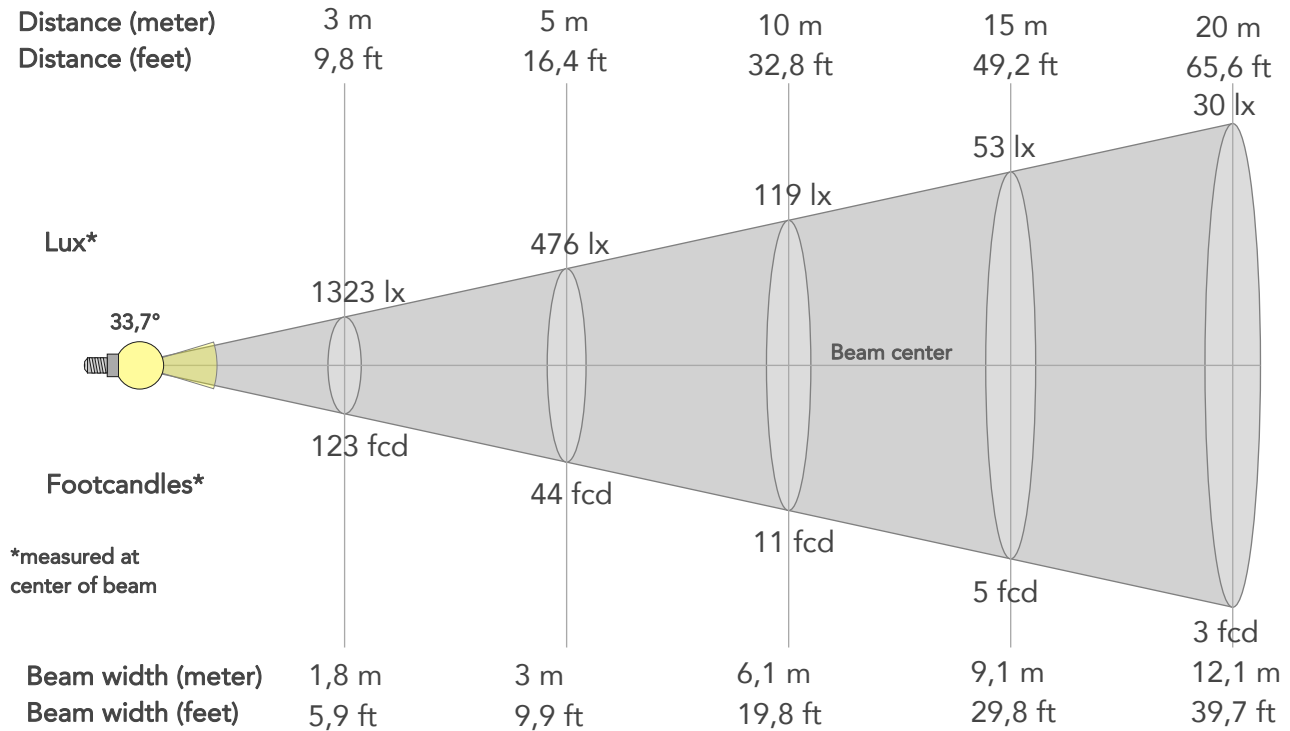
Rg 123,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	64	20%	-5%
2	68	13%	-12%
3	75	8%	-8%
4	86	5%	2%
5	78	12%	9%
6	67	20%	11%
7	63	24%	-1%
8	66	18%	-10%
9	71	10%	-19%
10	70	0%	-18%
11	87	-4%	-3%
12	85	0%	8%
13	75	3%	19%
14	70	8%	23%
15	66	18%	18%
16	64	23%	3%



BEAM DETAILS

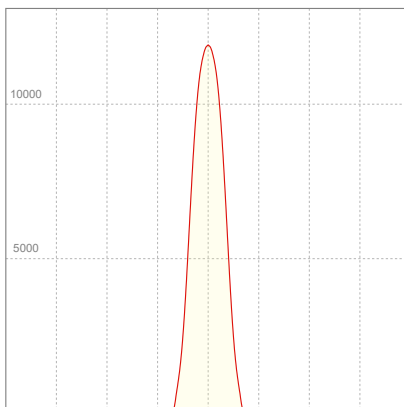
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,7°	52,1°	59,4°	100,0%	100,0%



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	11908lx	2977lx	1323lx	744lx	476lx	212lx	119lx	53lx	30lx	19lx	13lx	7lx	5lx
Footcand.	1106fcd	277fcd	123fcd	69fcd	44fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6,1m	9,1m	12,1m	15,1m	18,2m	24,2m	30,3m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,8ft	29,8ft	39,7ft	49,6ft	59,5ft	79,4ft	99,2ft

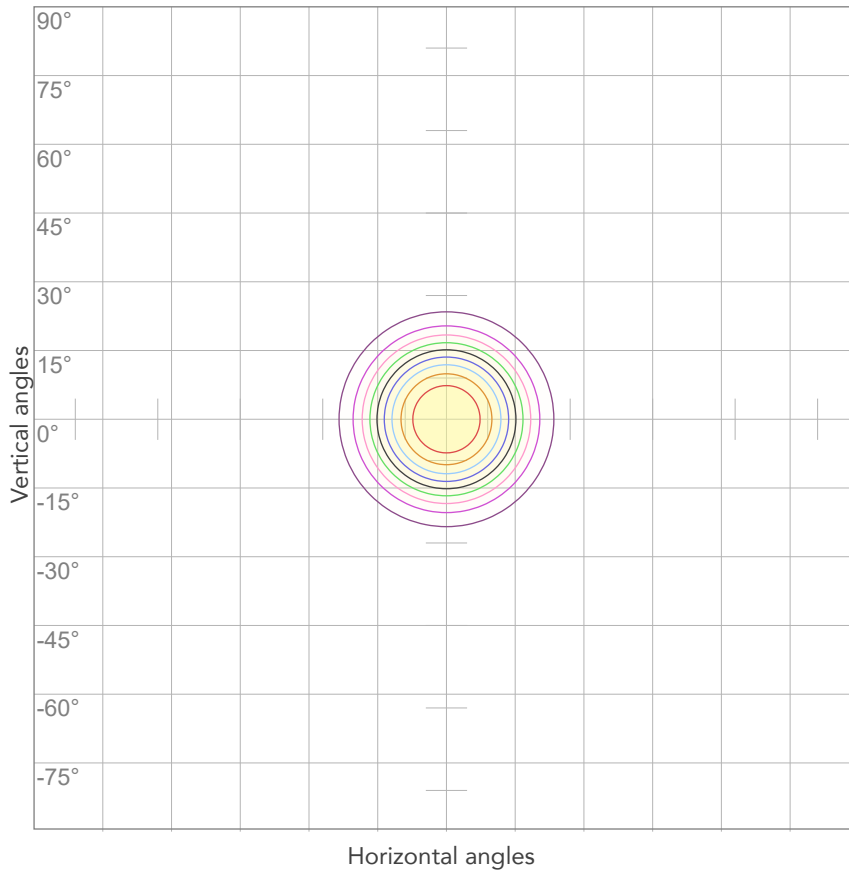
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
229V	0,813A	170,8W	22lm/W

ISO CANDELA DIAGRAM



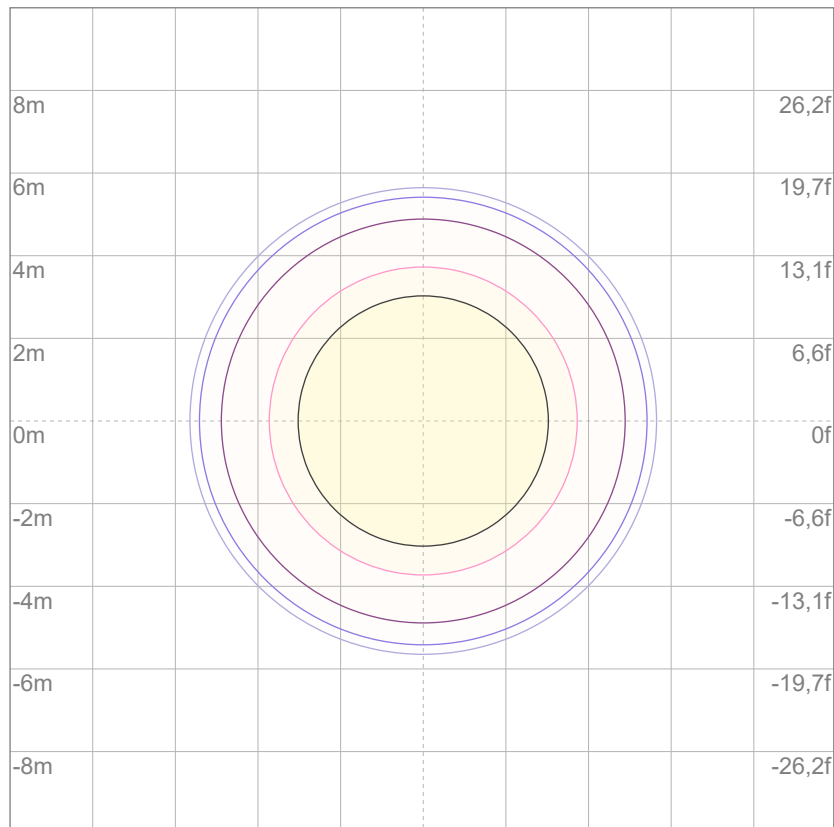
10%	1191 cd
20%	2382 cd
30%	3572 cd
40%	4763 cd
50%	5954 cd
60%	7145 cd
70%	8336 cd
80%	9526 cd

Conditions:

Number of c-planes: 2

Candela at center: 11908 cd

ISO LUX DIAGRAM



3%	3,57 lx
5%	5,95 lx
10%	11,9 lx
30%	35,7 lx
50%	59,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 119 lx

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



Total lumen output:

3205 lm

Peak candela output:

41349 cd

Light quality:

CRI: 61,1

Color temperature:

4033 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

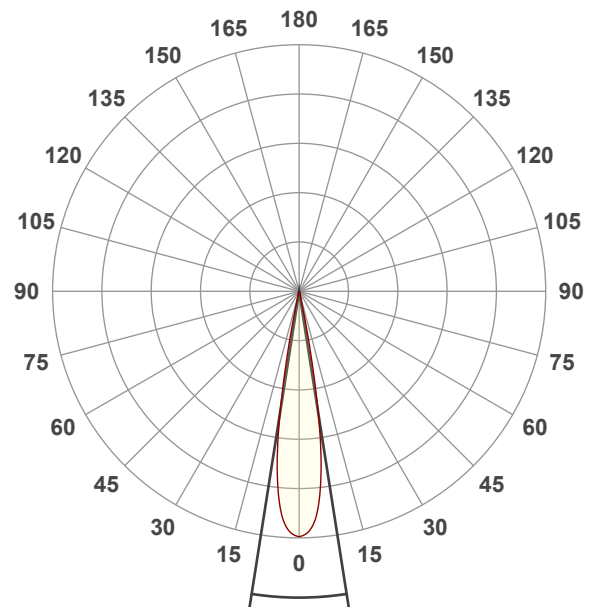
4000K

Operator:

Paolo Carvone

Date and time:

05/04/2022 13:28:51

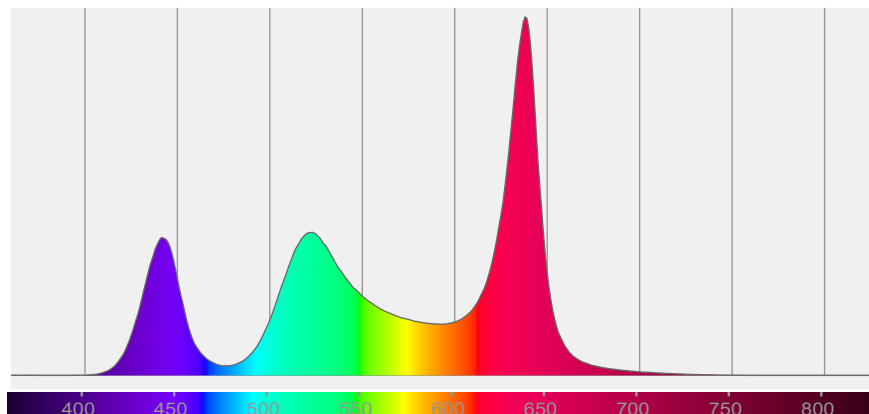


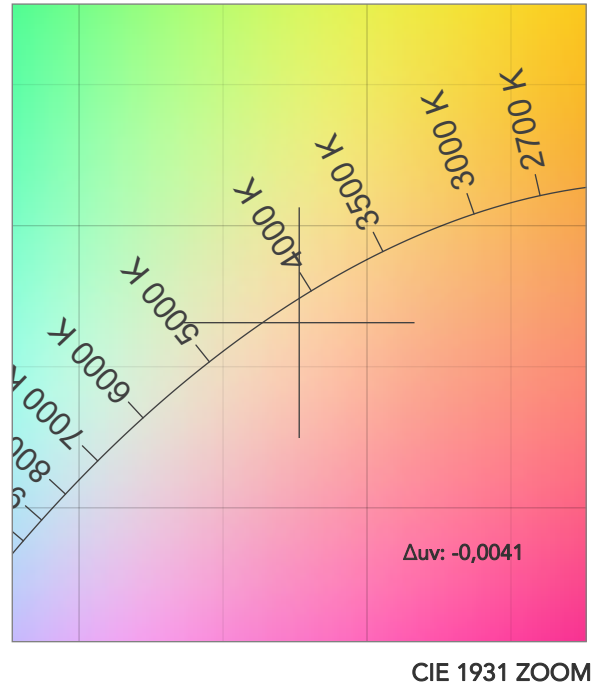
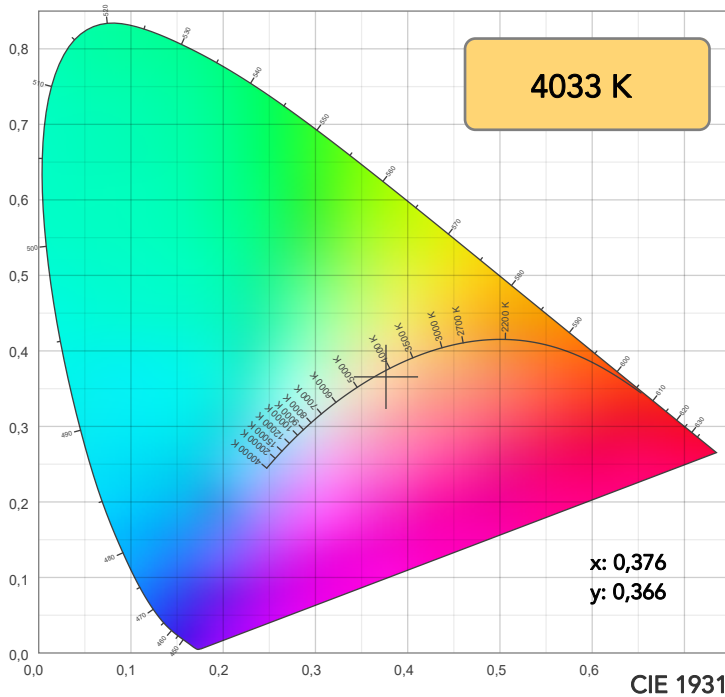
Beam angle 50%: 17,8°

Field angle 10%: 23,9°

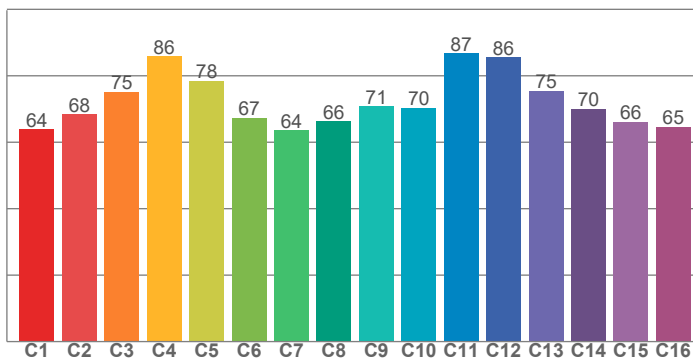
Cut off angle 2.5%: 26,1°

Spectra

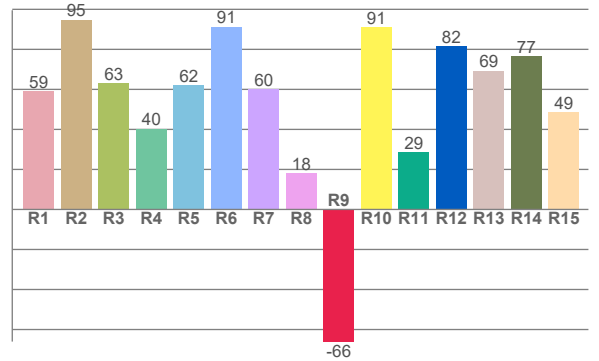




TM30: 72,9



CRI: 61,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
59,2	94,8	63,0	40,3	62,0	91,3	60,0	18,2	-66,0	90,9	28,7	81,5	69,2	76,7	48,7

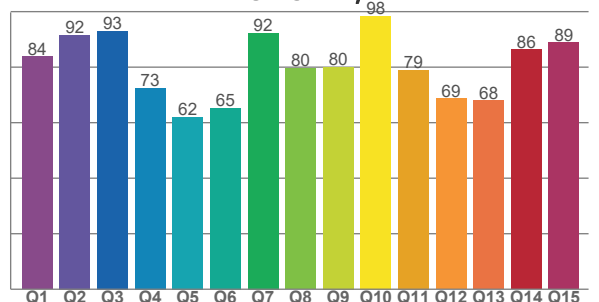
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
63,8	68,3	75,2	85,8	78,4	67,4	63,6	66,3	70,7	70,3	86,7	85,5	75,5	70,0	66,1	64,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,8	91,6	93,0	72,5	62,0	65,3	92,3	79,6	80,1	98,5	79,0	68,6	67,9	86,4	88,8

CQS: 77,7



COLOR PARAMETERS

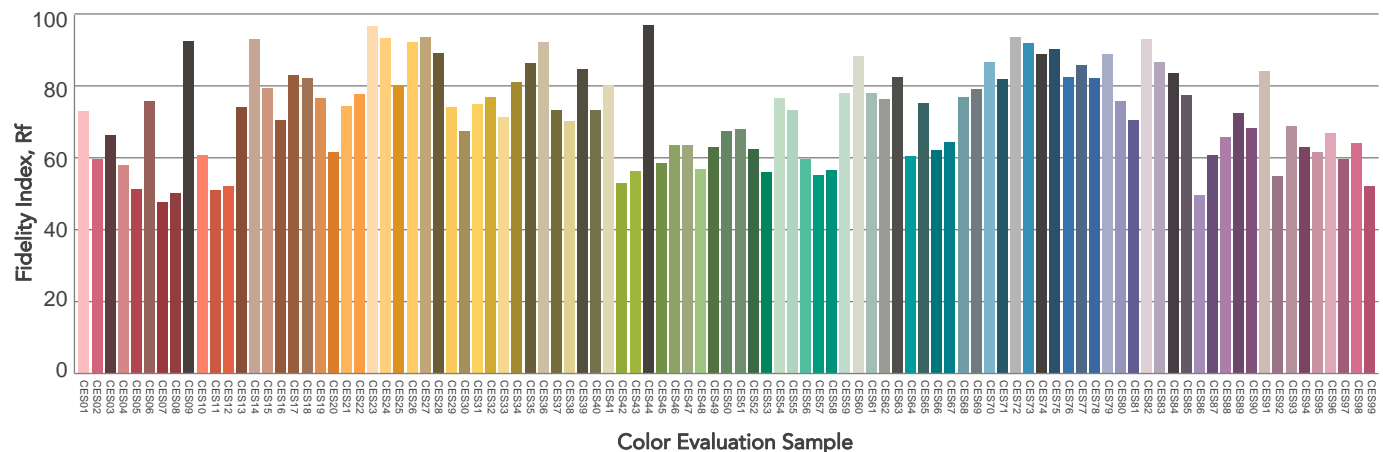
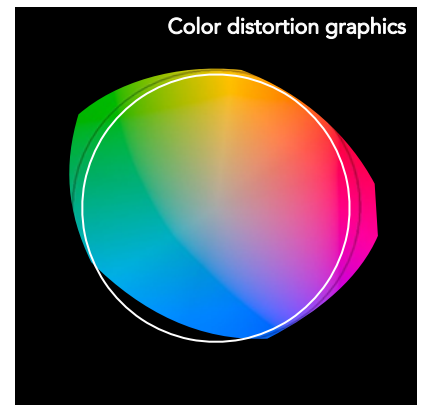
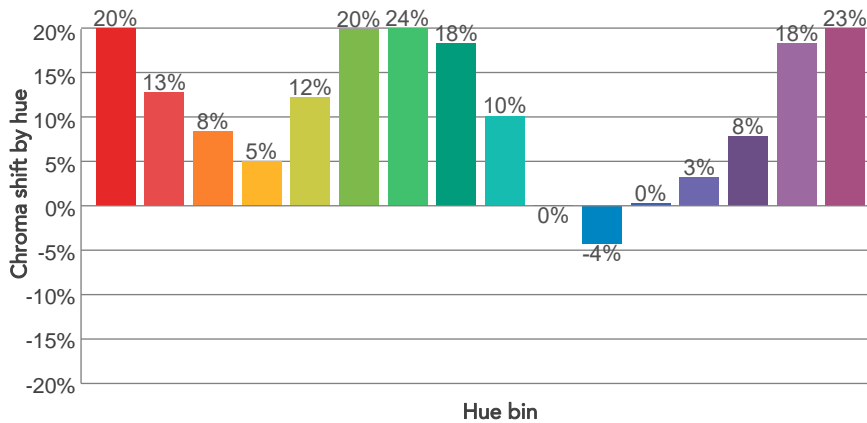
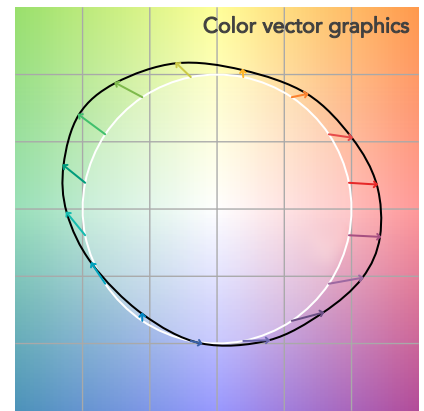
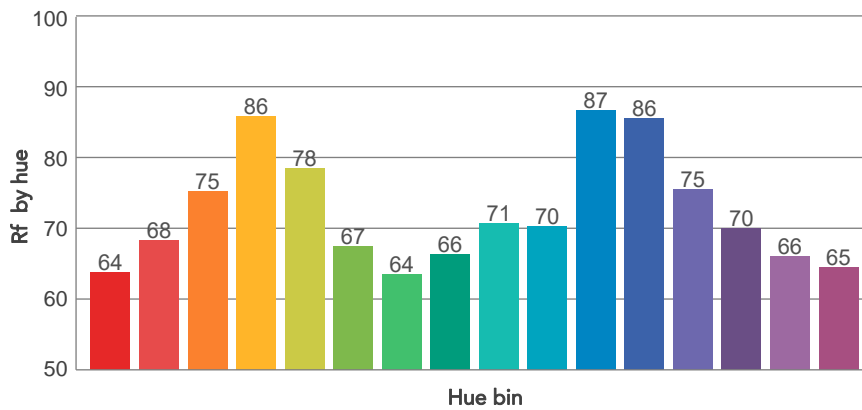
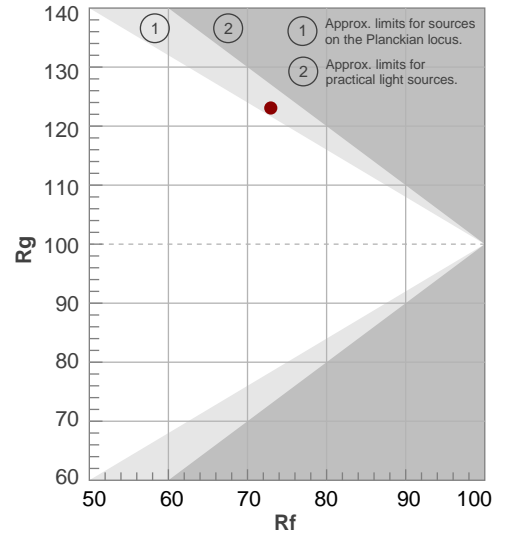
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4033 K	61,1	-66,0	72,9	123,1	77,7	40	0,376	0,366	-0,0041

TM30 DETAILS

Rf 72,9
Fidelity index Rf

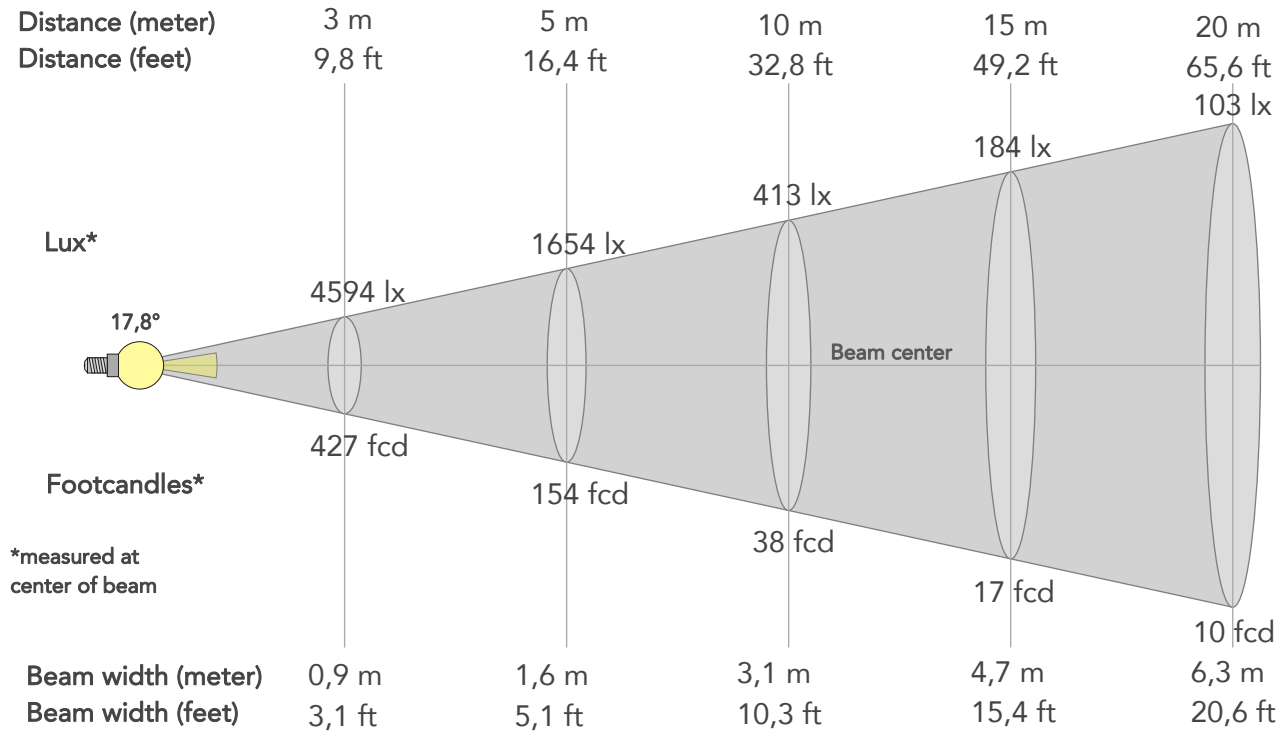
Rg 123,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	64	20%	-5%
2	68	13%	-11%
3	75	8%	-8%
4	86	5%	2%
5	78	12%	8%
6	67	20%	11%
7	64	24%	-1%
8	66	18%	-10%
9	71	10%	-19%
10	70	0%	-18%
11	87	-4%	-3%
12	86	0%	8%
13	75	3%	19%
14	70	8%	23%
15	66	18%	18%
16	65	23%	3%



BEAM DETAILS

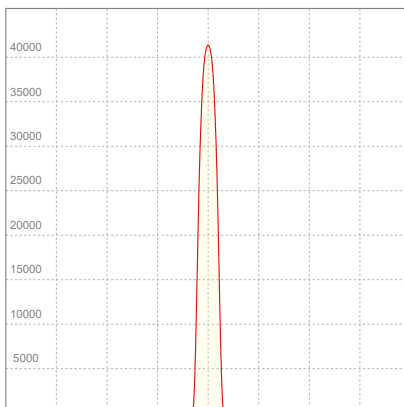
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,8°	23,9°	26,1°	100,0%	100,0%



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	41349lx	10337lx	4594lx	2584lx	1654lx	735lx	413lx	184lx	103lx	66lx	46lx	26lx	17lx
Footcand.	3841fcd	960fcd	427fcd	240fcd	154fcd	68fcd	38fcd	17fcd	10fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,8m	9,4m	12,6m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,3ft	15,4ft	20,6ft	25,7ft	30,9ft	41,2ft	51,5ft

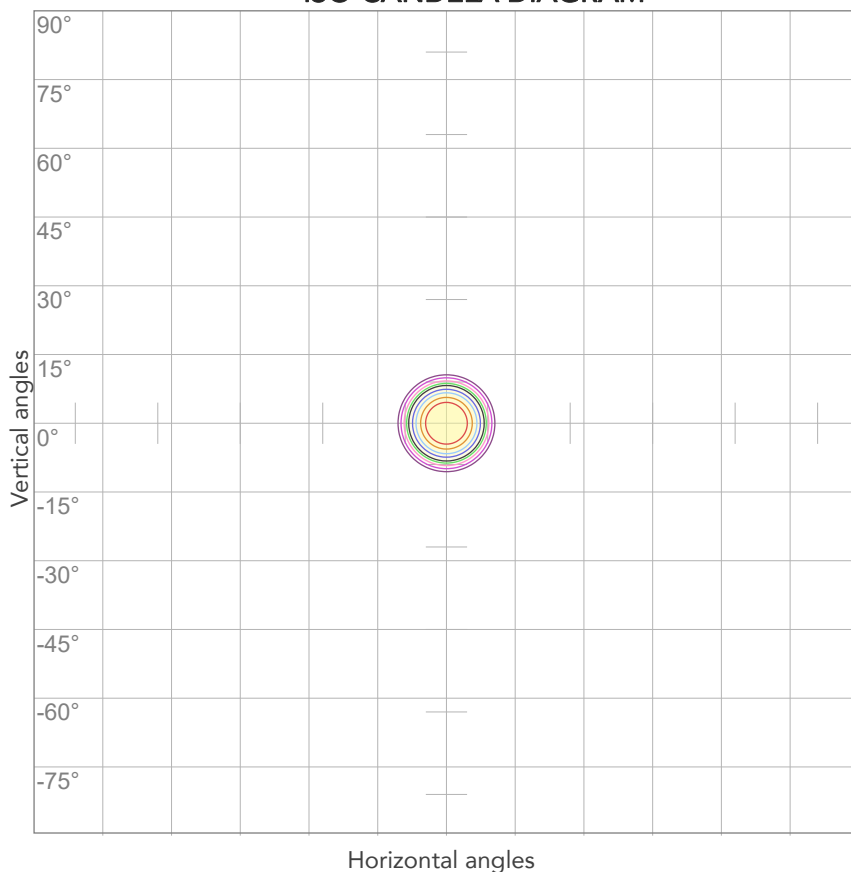
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,828A	172,4W	19lm/W

ISO CANDELA DIAGRAM



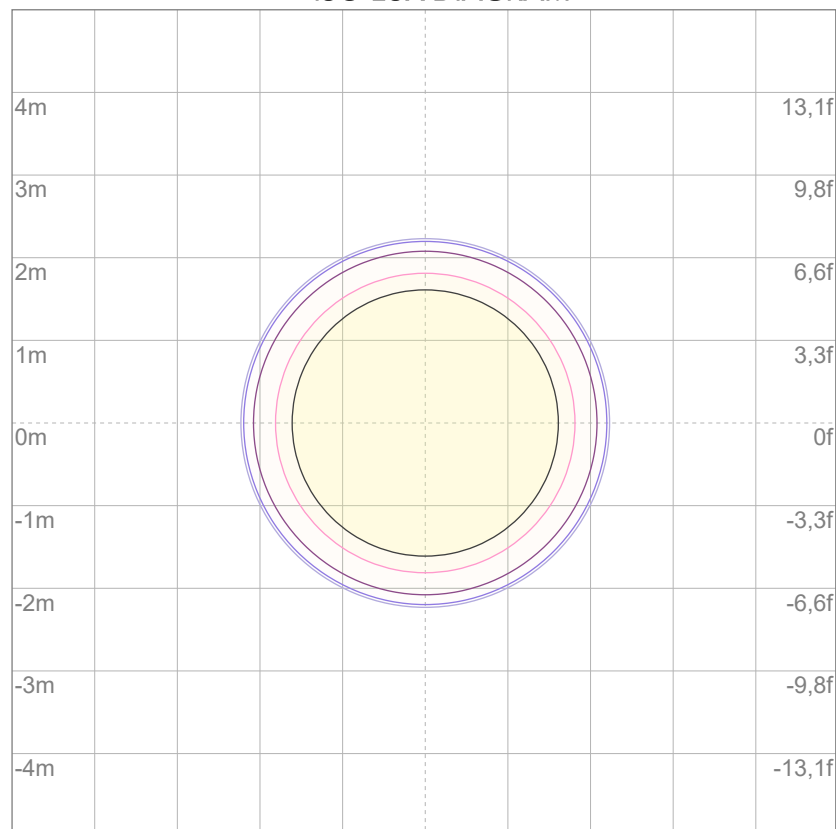
10%	4135 cd
20%	8270 cd
30%	12405 cd
40%	16540 cd
50%	20675 cd
60%	24809 cd
70%	28944 cd
80%	33079 cd

Conditions:

Number of c-planes: 2

Candela at center: 41349 cd

ISO LUX DIAGRAM



3%	12,4 lx
5%	20,7 lx
10%	41,3 lx
30%	124 lx
50%	207 lx

Conditions:

Number of c-planes: 2

Lux at center: 413 lx

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



Total lumen output:

2219 lm

Peak candela output:

435593 cd

Light quality:

CRI: 60,9

Color temperature:

4065 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

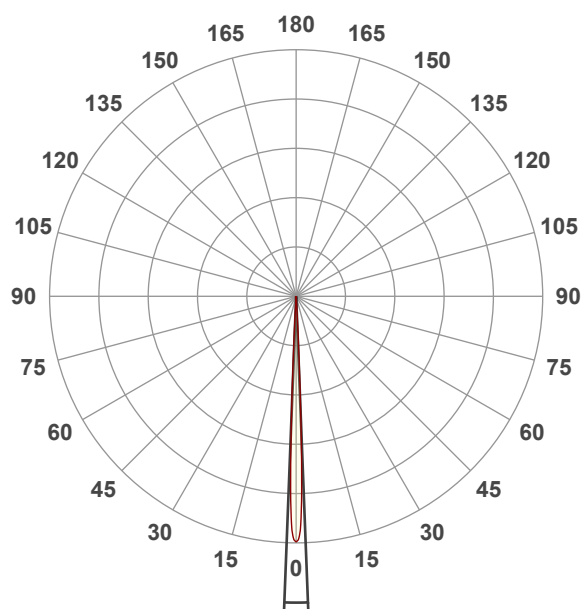
4000K

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:34:37

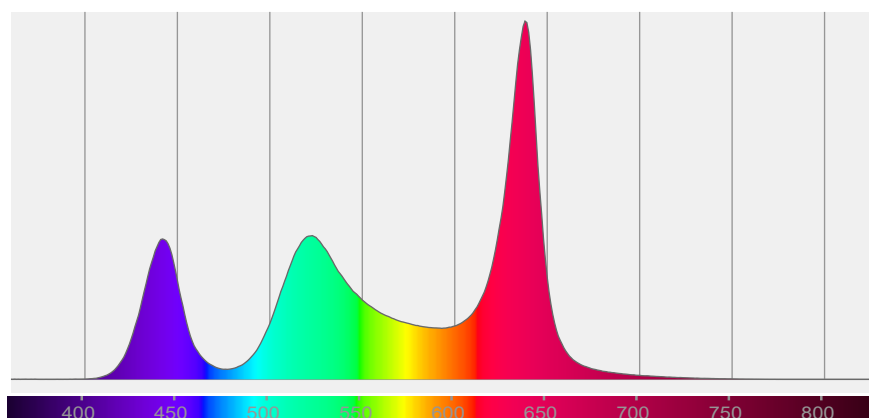


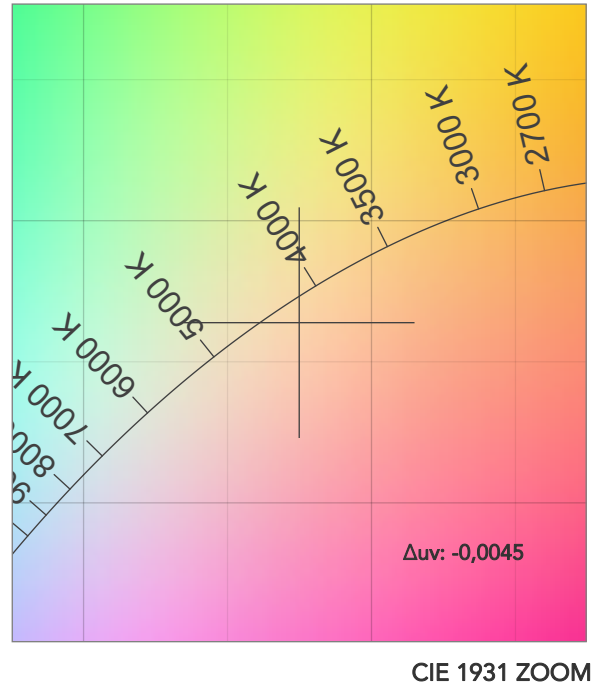
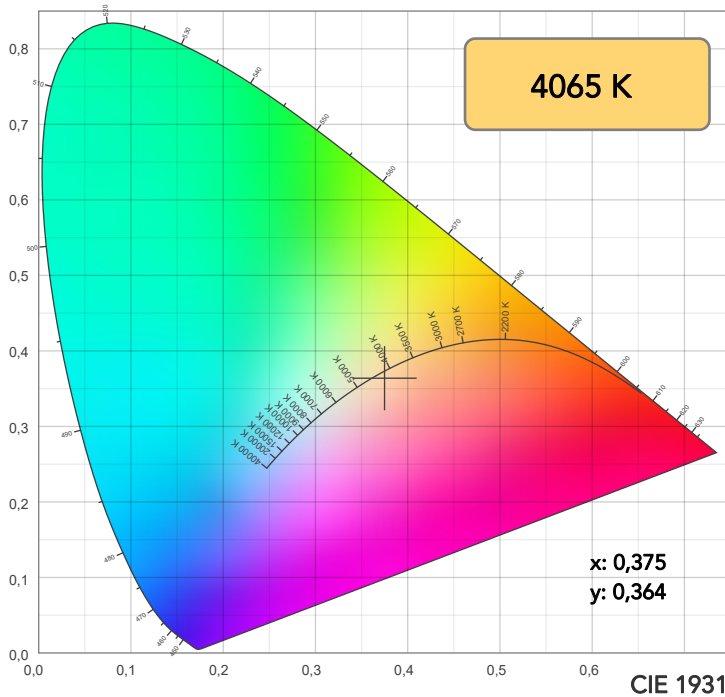
Beam angle 50%: 4,4°

Field angle 10%: 6,2°

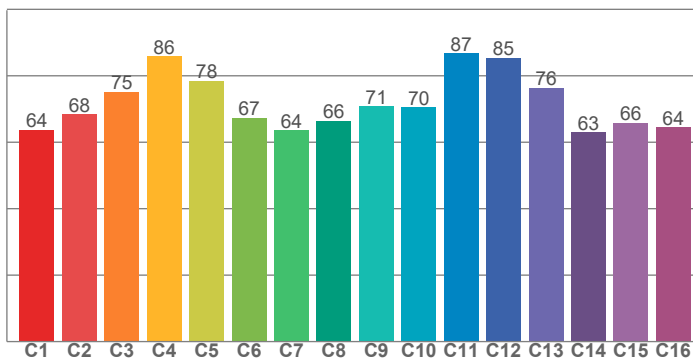
Cut off angle 2.5%: 7,1°

Spectra

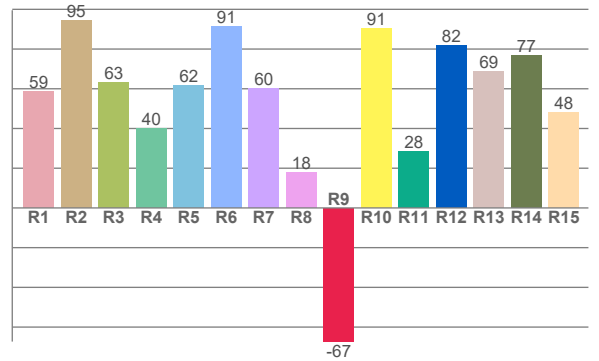




TM30: 72,9



CRI: 60,9 (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
58,9	94,6	63,0	40,1	61,8	91,2	60,0	17,9	-67,3	90,5	28,5	81,8	69,0	76,7	48,3

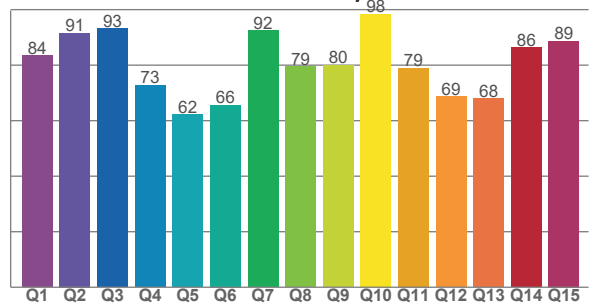
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
63,8	68,4	75,2	85,9	78,4	67,3	63,5	66,4	70,9	70,4	86,8	85,3	76,4	62,9	65,8	64,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,5	91,5	93,1	72,7	62,2	65,6	92,5	79,4	79,9	98,4	79,0	68,7	67,9	86,3	88,6

CQS: 77,8



COLOR PARAMETERS

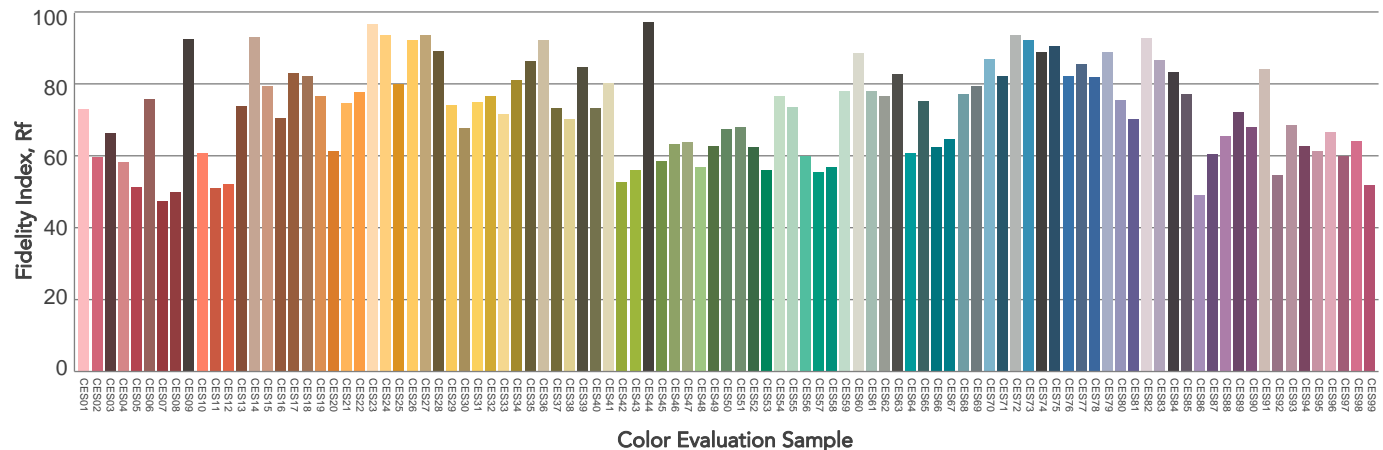
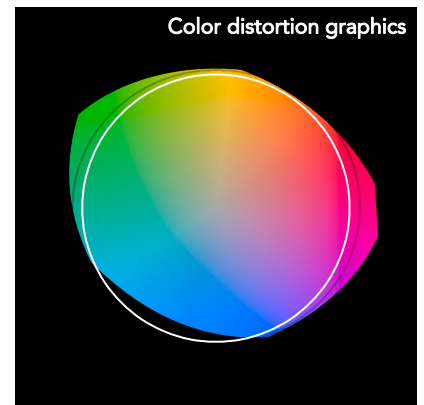
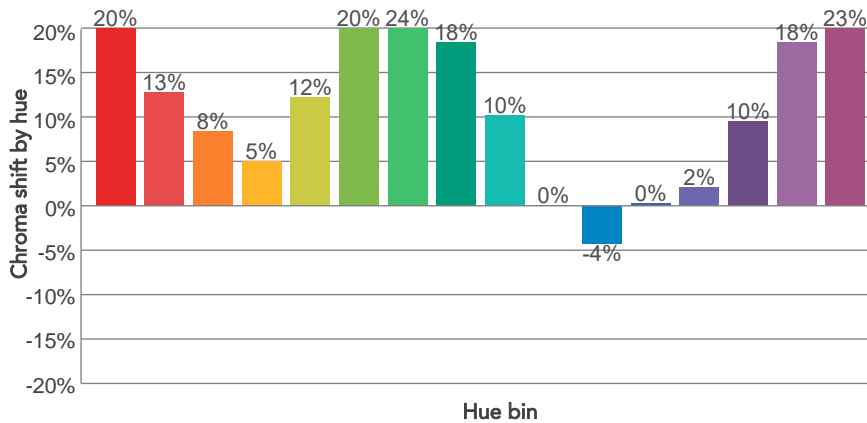
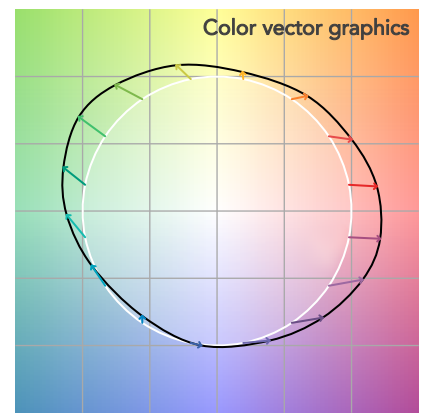
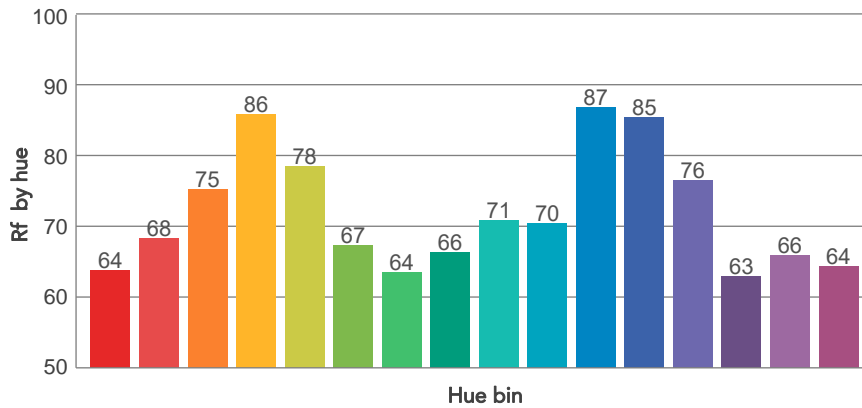
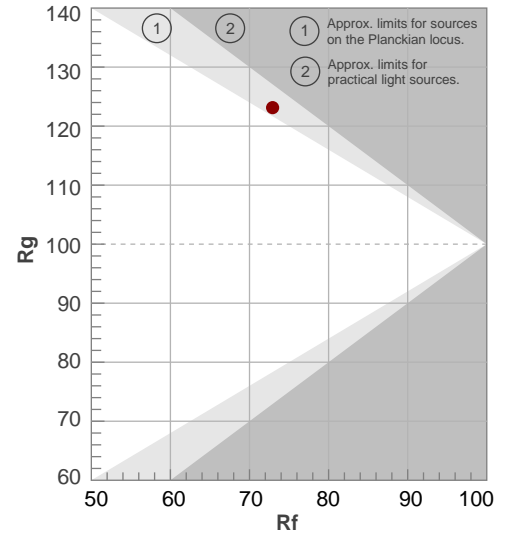
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4065 K	60,9	-67,3	72,9	123,1	77,8	40	0,375	0,364	-0,0045

TM30 DETAILS

Rf 72,9
Fidelity index Rf

Rg 123,1
Gammut index

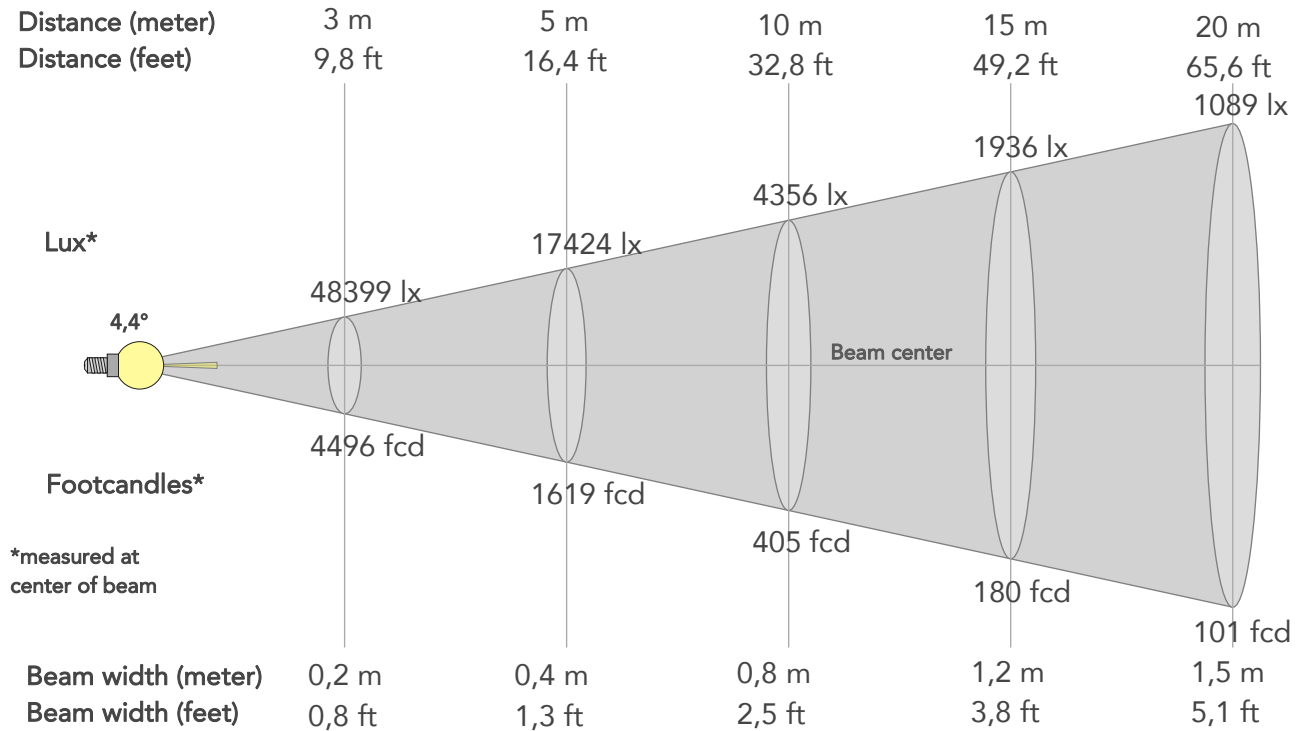
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	64	20%	-5%
2	68	13%	-11%
3	75	8%	-8%
4	86	5%	2%
5	78	12%	9%
6	67	20%	11%
7	64	24%	-1%
8	66	18%	-9%
9	71	10%	-19%
10	70	0%	-18%
11	87	-4%	-3%
12	85	0%	8%
13	76	2%	19%
14	63	10%	21%
15	66	18%	18%
16	64	23%	3%



BEAM DETAILS



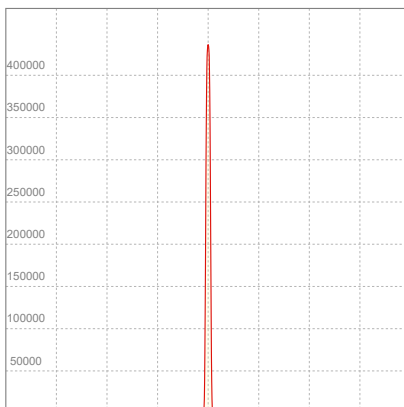
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,4°	6,2°	7,1°	100,0%	100,0%



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	435593lx	108898lx	48399lx	27225lx	17424lx	7744lx	4356lx	1936lx	1089lx	697lx	484lx	272lx	174lx
Footcand.	40468fcd	10117fcd	4496fcd	2529fcd	1619fcd	719fcd	405fcd	180fcd	101fcd	65fcd	45fcd	25fcd	16fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,5m	1,9m	2,3m	3,1m	3,9m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,5ft	3,8ft	5,1ft	6,3ft	7,6ft	10,1ft	12,6ft

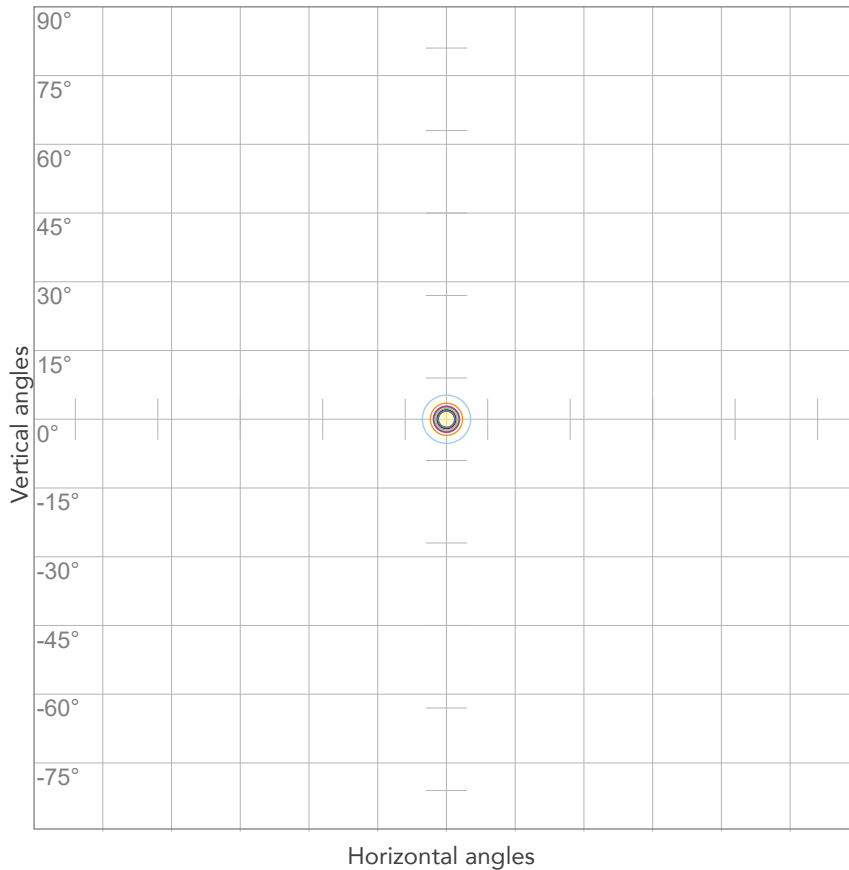
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,830A	173,9W	13lm/W

ISO CANDELA DIAGRAM



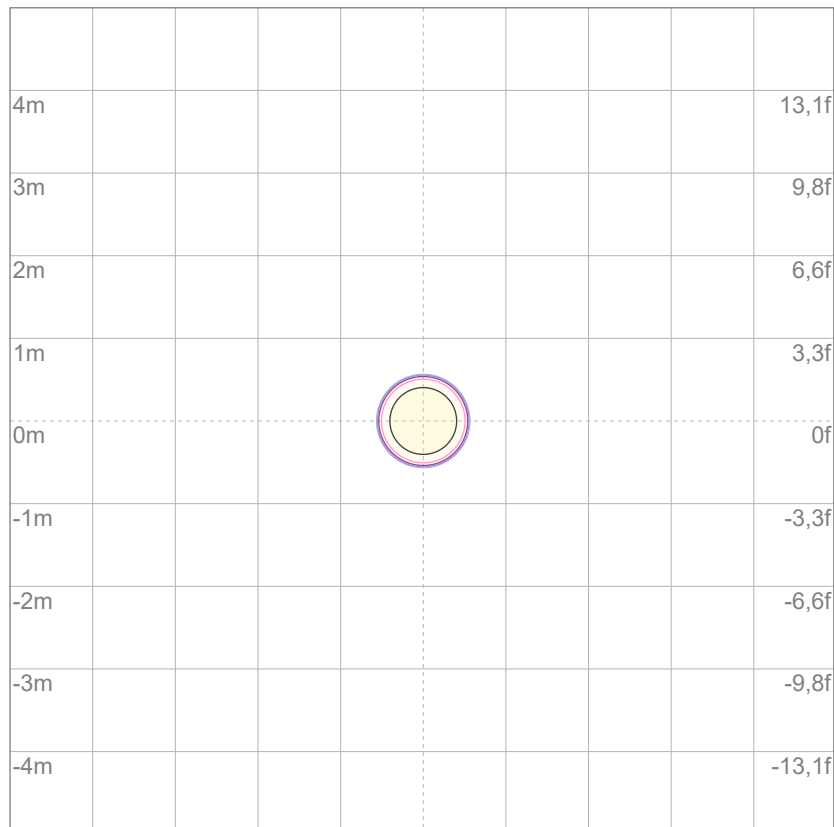
10%	43559 cd
20%	87119 cd
30%	130678 cd
40%	174237 cd
50%	217797 cd
60%	261356 cd
70%	304915 cd
80%	348475 cd

Conditions:

Number of c-planes: 2

Candela at center: 435593 cd

ISO LUX DIAGRAM



3%	131 lx
5%	218 lx
10%	436 lx
30%	1307 lx
50%	2178 lx

Conditions:

Number of c-planes: 2

Lux at center: 4356 lx

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



Total lumen output:

4737 lm

Peak candela output:

15036 cd

Light quality:

CRI: 67,2

Color temperature:

5612 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

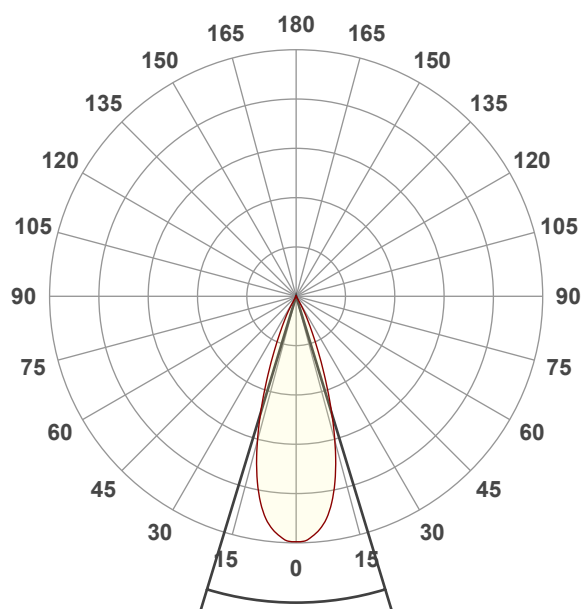
5600K

Operator:

Paolo Carvone

Date and time:

05/04/2022 14:28:25

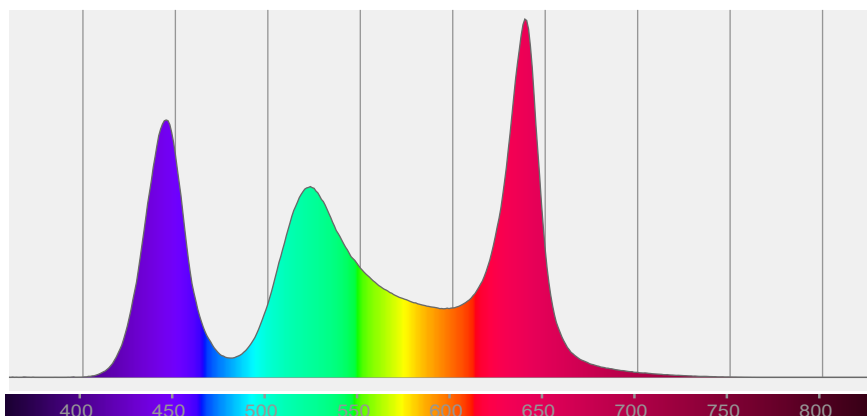


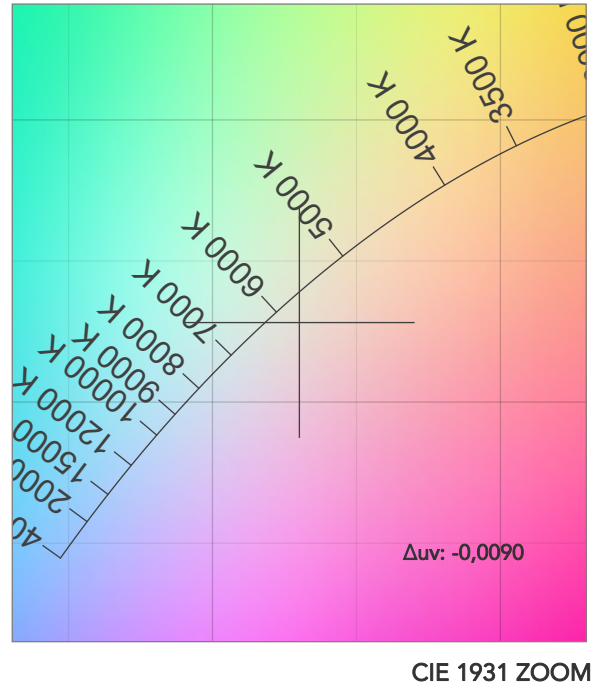
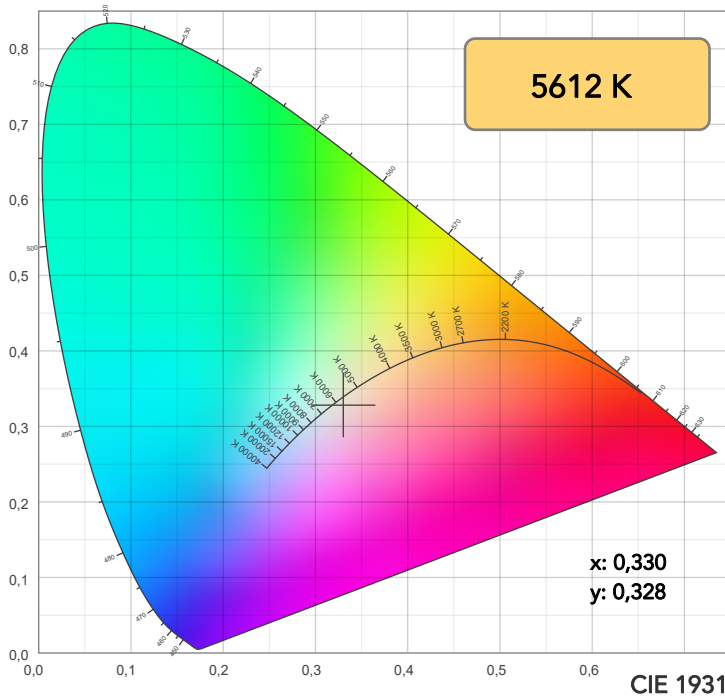
Beam angle 50%: 33,8°

Field angle 10%: 52,4°

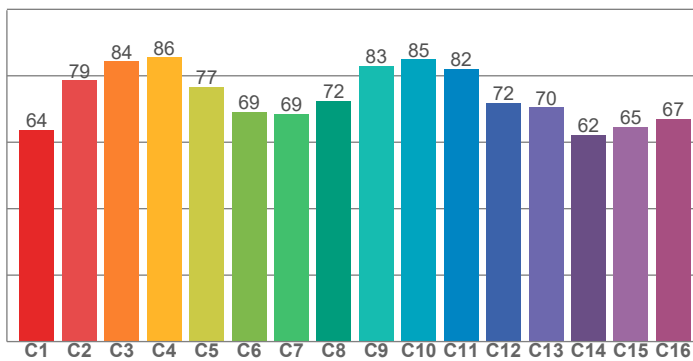
Cut off angle 2.5%: 59,4°

Spectra

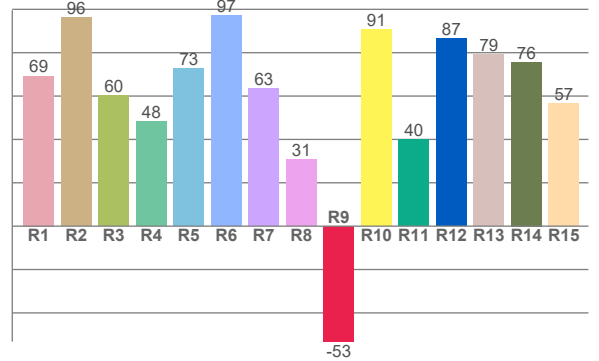




TM30: 75,2



CRI: 67,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
69,3	96,1	60,3	48,1	72,7	97,0	63,4	30,7	-53,2	90,6	40,1	86,6	79,1	75,7	56,6

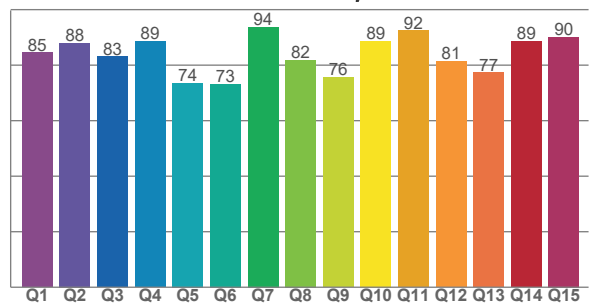
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
63,6	78,6	84,3	85,6	76,7	69,1	68,5	72,4	83,0	84,9	82,2	71,8	70,5	62,2	64,6	67,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,6	87,9	83,2	88,6	73,6	73,2	93,8	81,8	75,6	88,7	92,4	81,4	77,3	88,6	90,2

CQS: 82,8



COLOR PARAMETERS

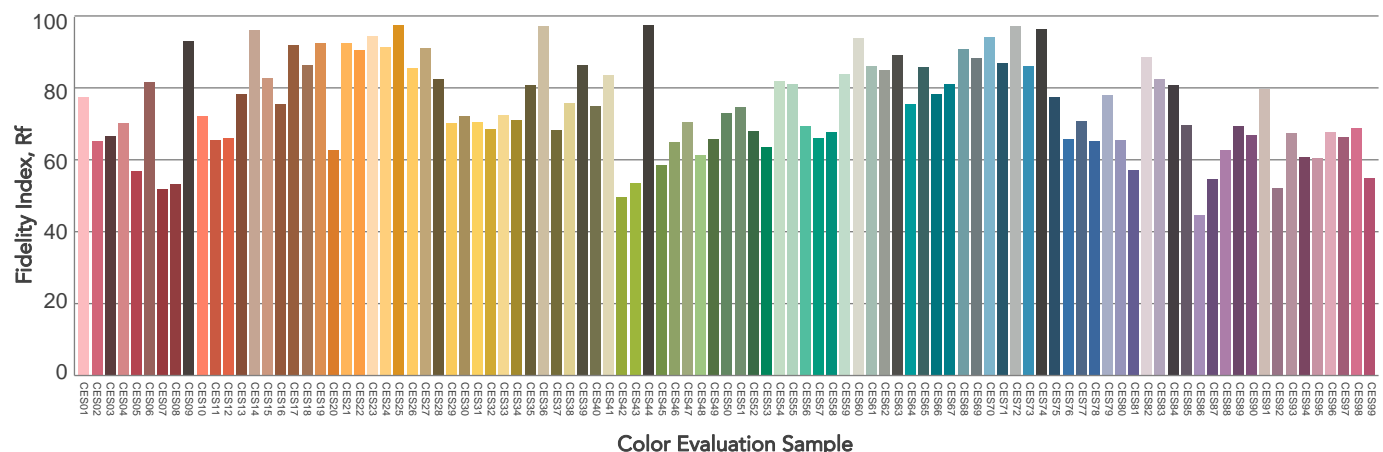
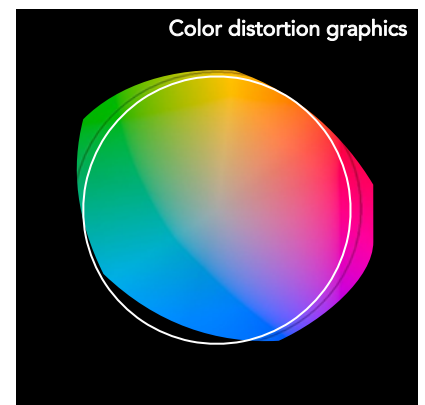
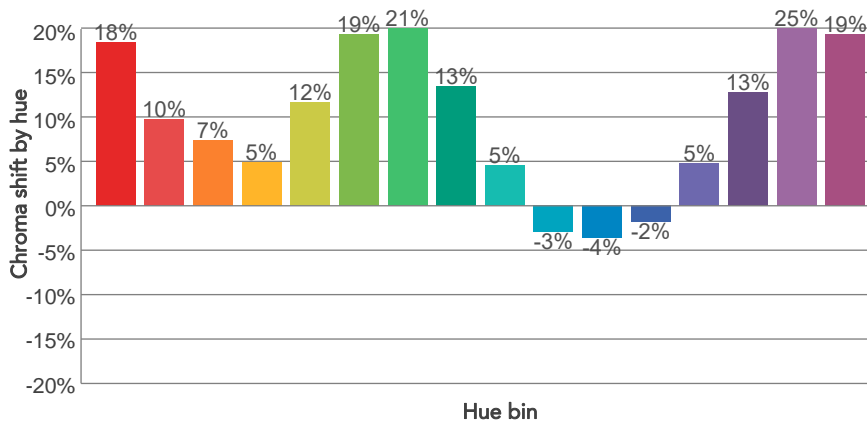
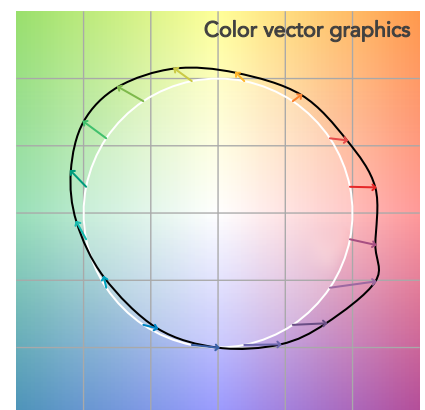
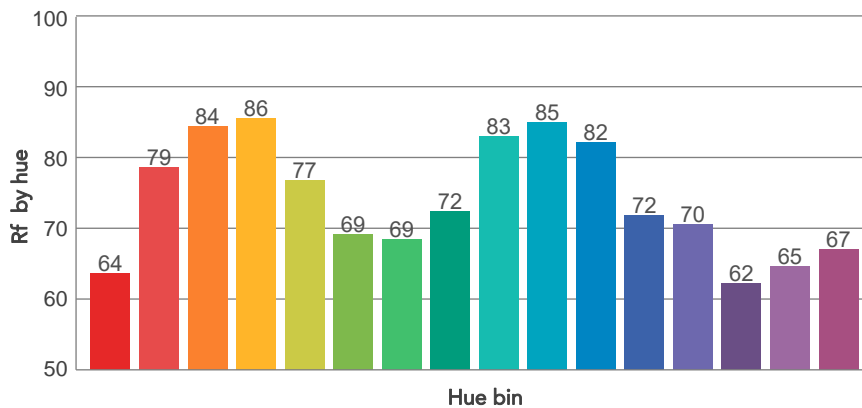
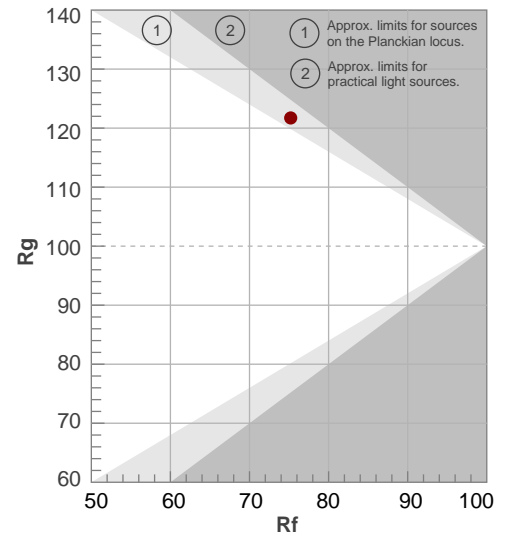
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5612 K	67,2	-53,2	75,2	121,7	82,8	52	0,330	0,328	-0,0090

TM30 DETAILS

Rf 75,2
Fidelity index Rf

Rg 121,7
Gammut index

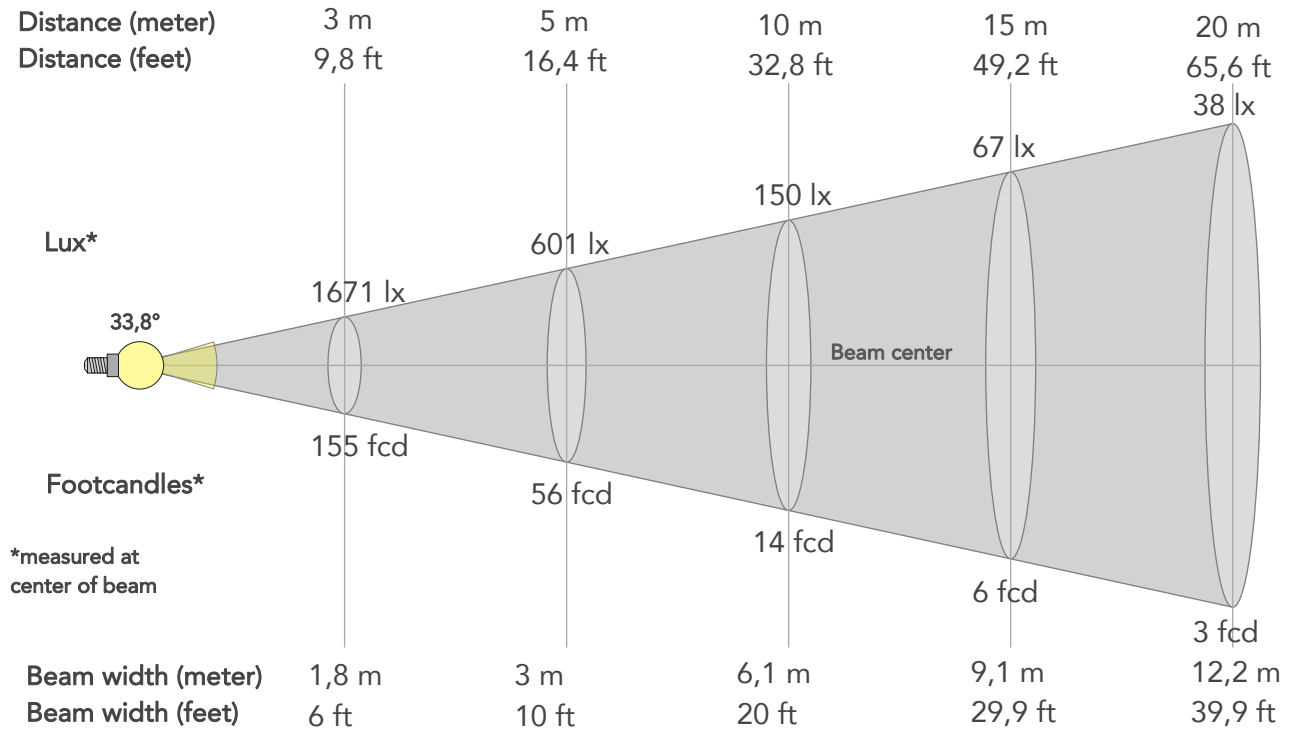
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	64	18%	-4%
2	79	10%	-8%
3	84	7%	-3%
4	86	5%	7%
5	77	12%	11%
6	69	19%	10%
7	69	21%	-1%
8	72	13%	-9%
9	83	5%	-14%
10	85	-3%	-7%
11	82	-4%	10%
12	72	-2%	20%
13	70	5%	26%
14	62	13%	21%
15	65	25%	23%
16	67	19%	0%



BEAM DETAILS



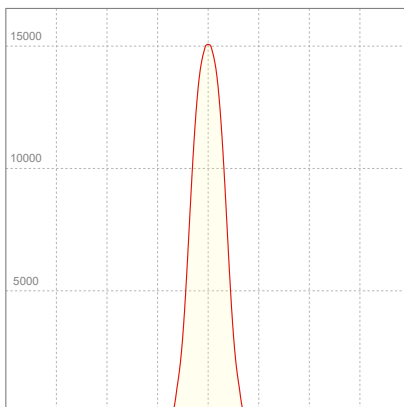
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,8°	52,4°	59,4°	100,0%	100,0%



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	15036lx	3759lx	1671lx	940lx	601lx	267lx	150lx	67lx	38lx	24lx	17lx	9lx	6lx
Footcand.	1397fcd	349fcd	155fcd	87fcd	56fcd	25fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,6m	6,1m	9,1m	12,2m	15,2m	18,2m	24,3m	30,4m
Beam wid.	2ft	4ft	6ft	8ft	10ft	15ft	20ft	29,9ft	39,9ft	49,9ft	59,9ft	79,8ft	99,8ft

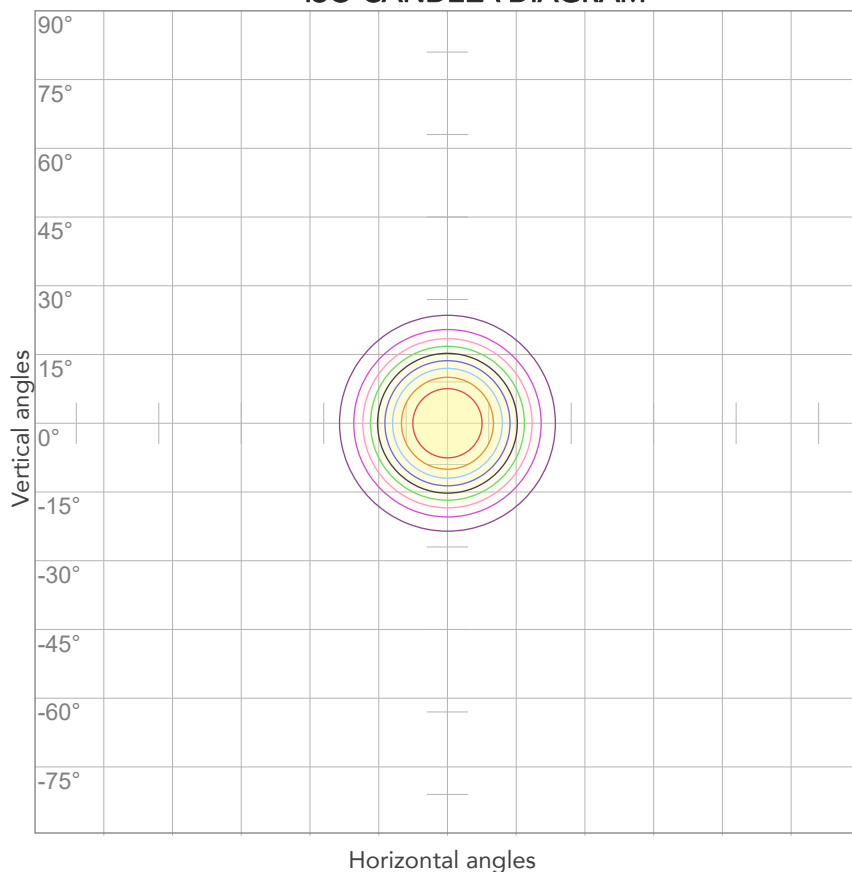
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	1,00A	214,7W	22lm/W

ISO CANDELA DIAGRAM



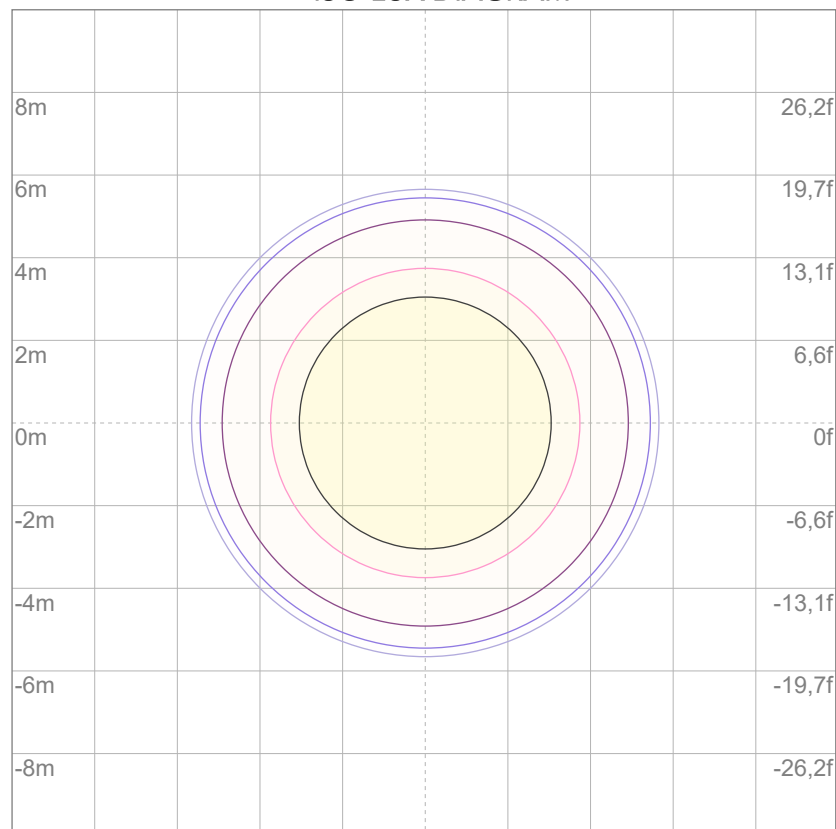
10%	1504 cd
20%	3007 cd
30%	4511 cd
40%	6015 cd
50%	7518 cd
60%	9022 cd
70%	10526 cd
80%	12029 cd

Conditions:

Number of c-planes: 2

Candela at center: 15036 cd

ISO LUX DIAGRAM



3%	4,51 lx
5%	7,52 lx
10%	15,0 lx
30%	45,1 lx
50%	75,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 150 lx

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



Total lumen output:

4009 lm

Peak candela output:

51842 cd

Light quality:

CRI: 66,2

Color temperature:

5623 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

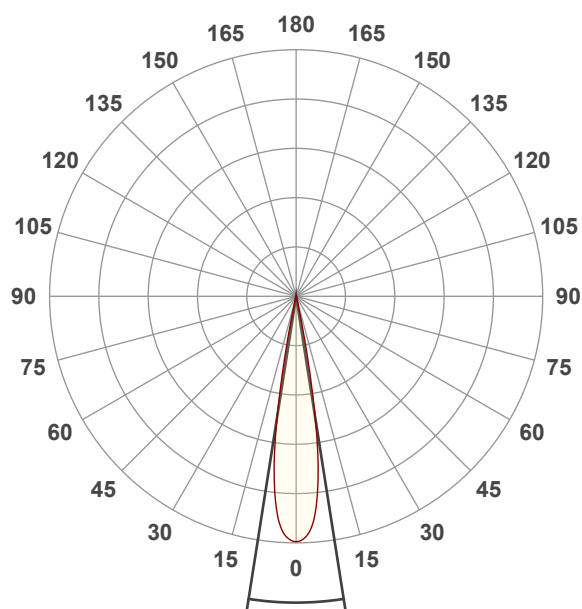
5600K

Operator:

Paolo Carvone

Date and time:

05/04/2022 13:33:17

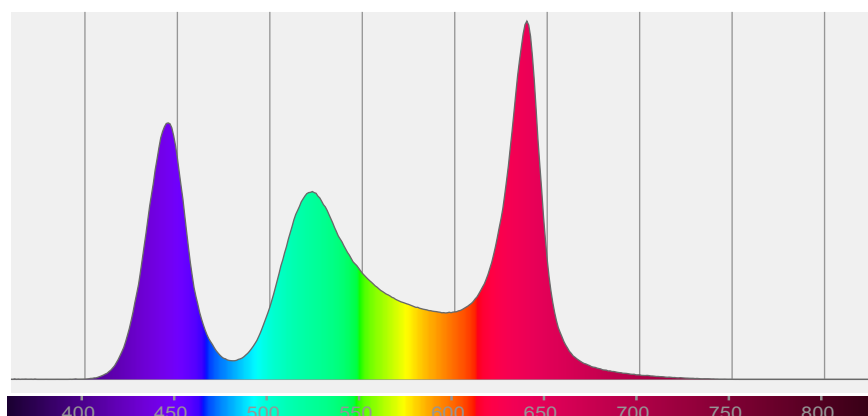


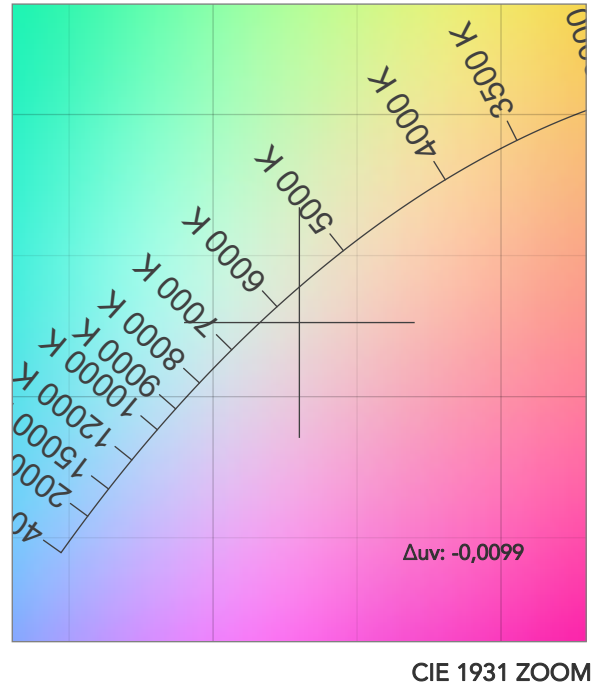
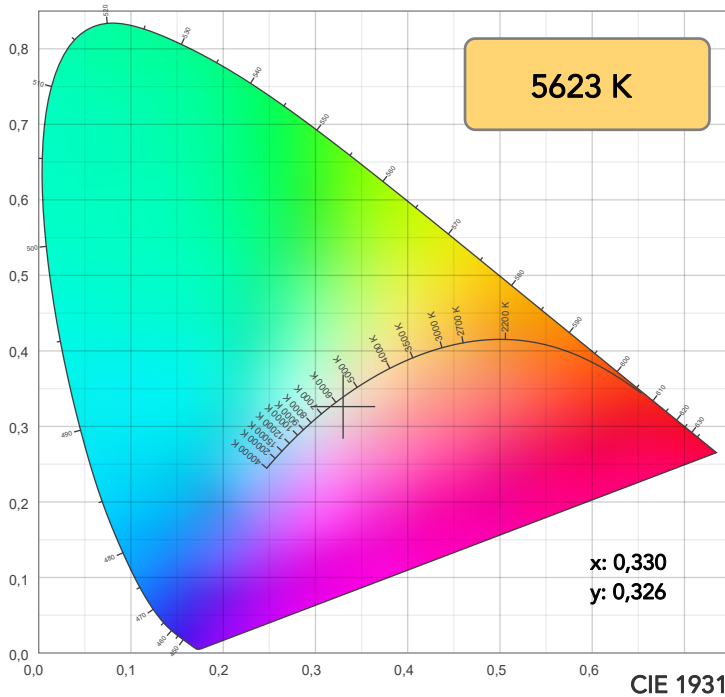
Beam angle 50%: 17,9°

Field angle 10%: 23,8°

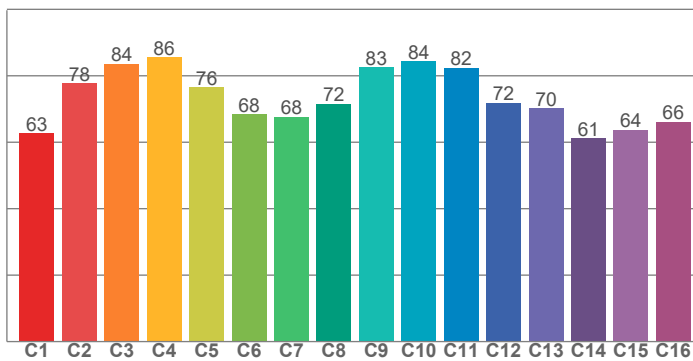
Cut off angle 2.5%: 25,9°

Spectra

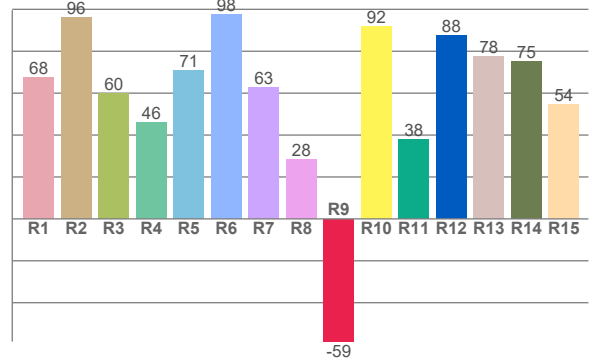




TM30: 74,7



CRI: 66,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
67,5	96,3	59,9	46,2	71,0	97,8	62,8	28,4	-58,6	91,7	37,7	87,7	77,5	75,4	54,4

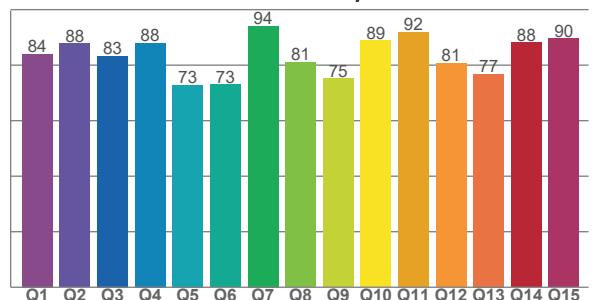
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
62,6	77,8	83,6	85,6	76,5	68,4	67,6	71,6	82,5	84,3	82,5	71,8	70,1	61,1	63,8	66,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,1	87,8	83,3	88,1	72,9	73,0	94,1	81,0	75,1	88,9	91,8	80,7	76,8	88,1	89,6

CQS: 82,4



COLOR PARAMETERS

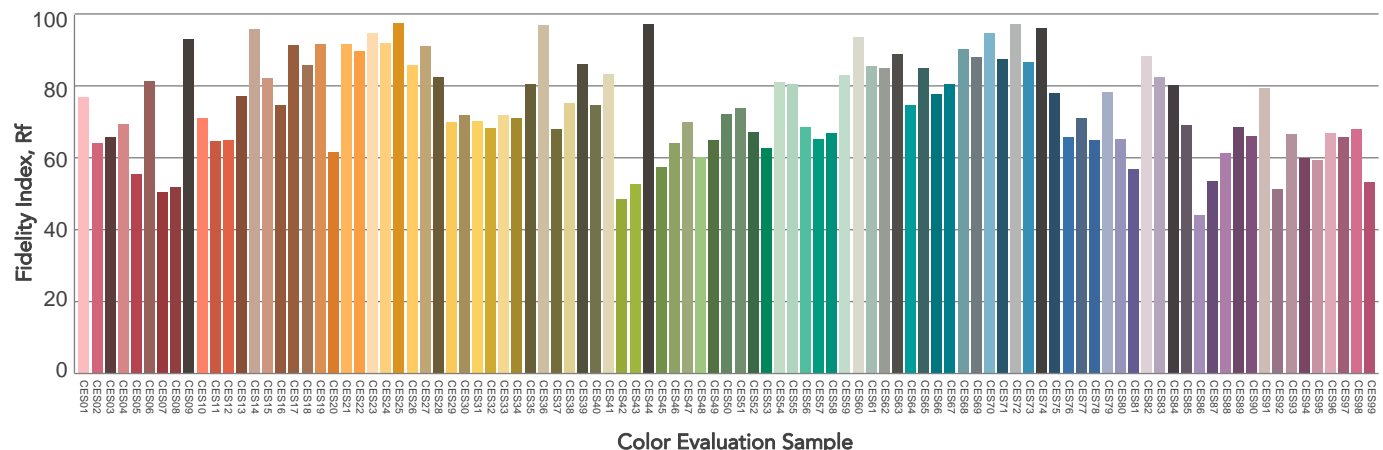
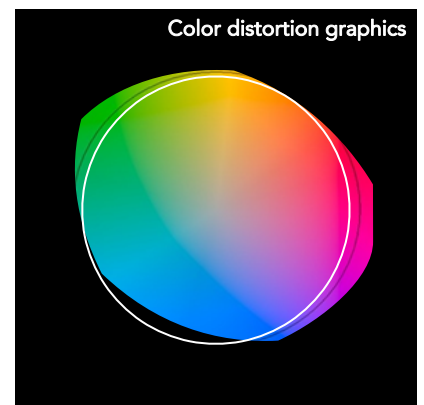
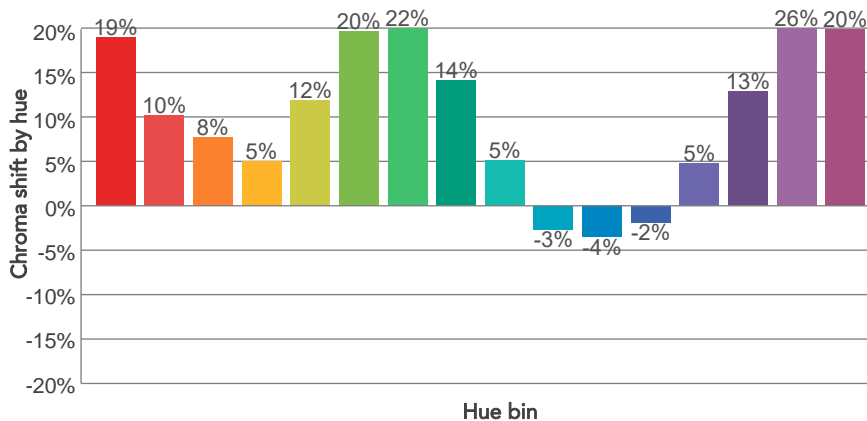
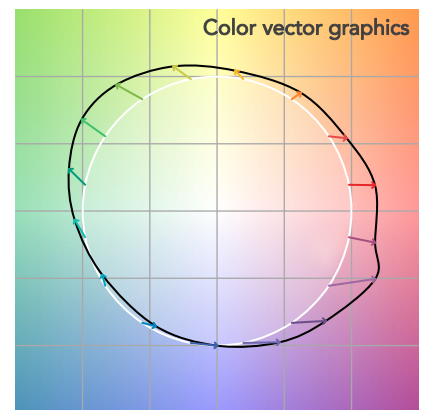
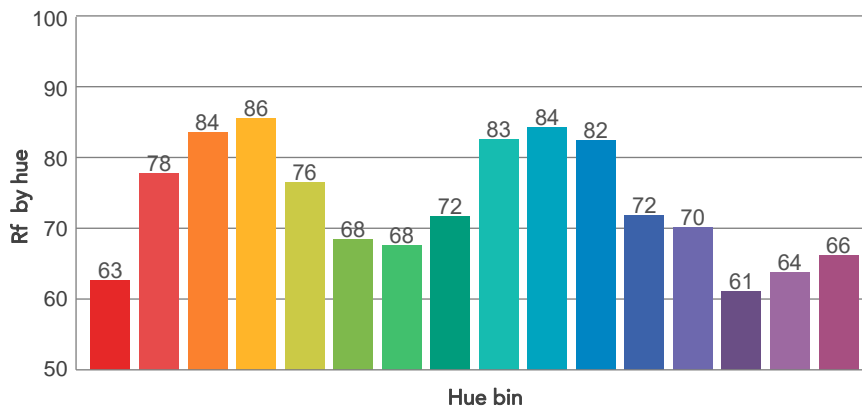
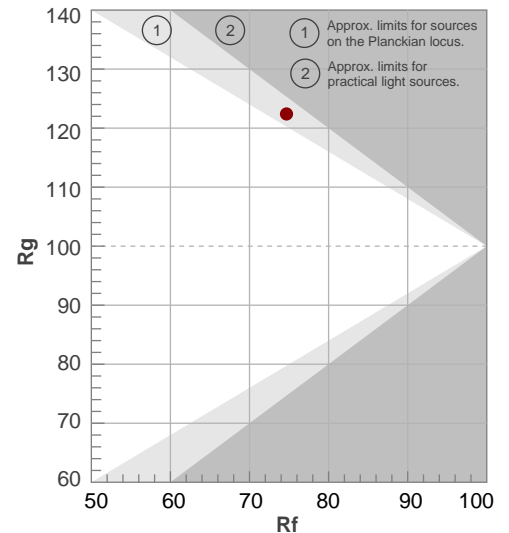
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5623 K	66,2	-58,6	74,7	122,4	82,4	50	0,330	0,326	-0,0099

TM30 DETAILS

Rf 74,7
Fidelity index Rf

Rg 122,4
Gammut index

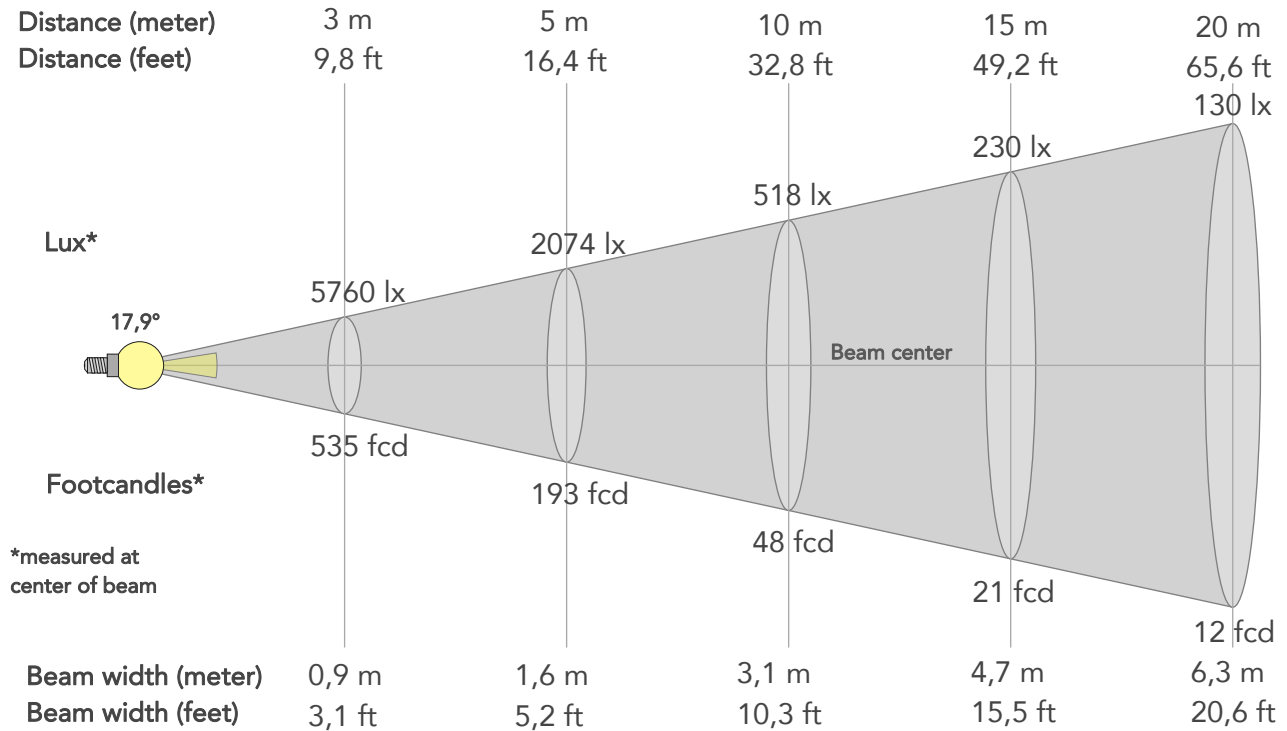
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	63	19%	-4%
2	78	10%	-9%
3	84	8%	-3%
4	86	5%	7%
5	76	12%	11%
6	68	20%	10%
7	68	22%	-1%
8	72	14%	-9%
9	83	5%	-14%
10	84	-3%	-8%
11	82	-4%	10%
12	72	-2%	20%
13	70	5%	27%
14	61	13%	22%
15	64	26%	23%
16	66	20%	0%



BEAM DETAILS



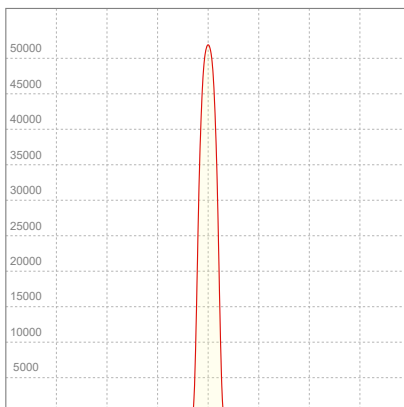
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	23,8°	25,9°	100,0%	100,0%



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	51842lx	12960lx	5760lx	3240lx	2074lx	922lx	518lx	230lx	130lx	83lx	58lx	32lx	21lx
Footcand.	4816fcd	1204fcd	535fcd	301fcd	193fcd	86fcd	48fcd	21fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,9m	9,4m	12,6m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,7ft	10,3ft	15,5ft	20,6ft	25,8ft	30,9ft	41,2ft	51,5ft

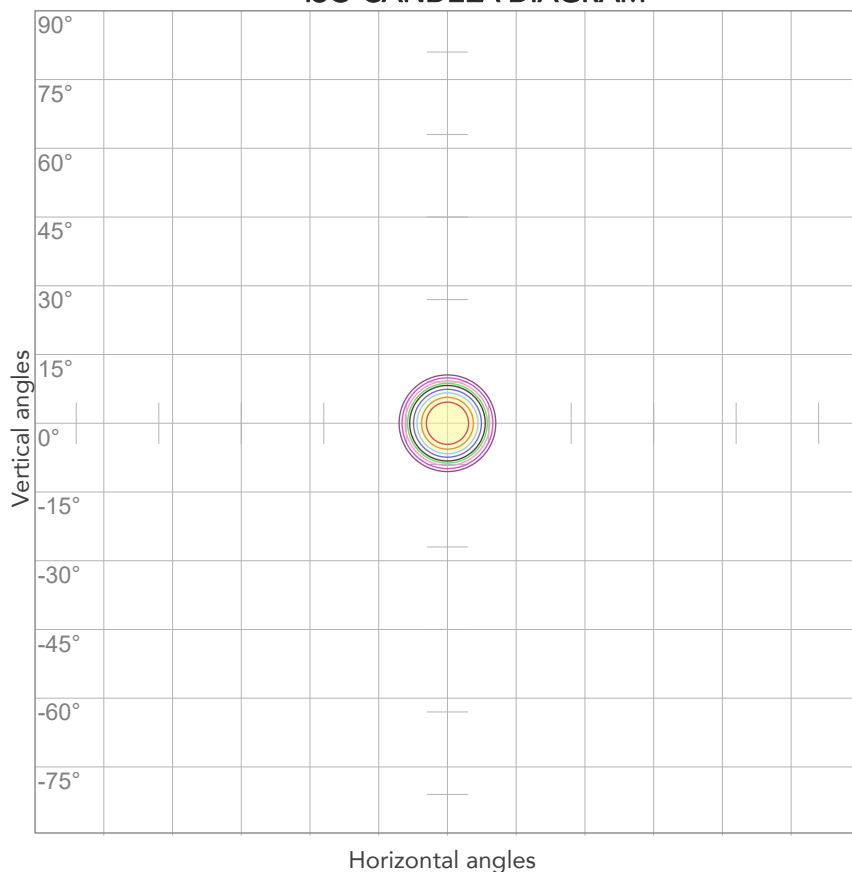
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,02A	216,3W	19lm/W

ISO CANDELA DIAGRAM



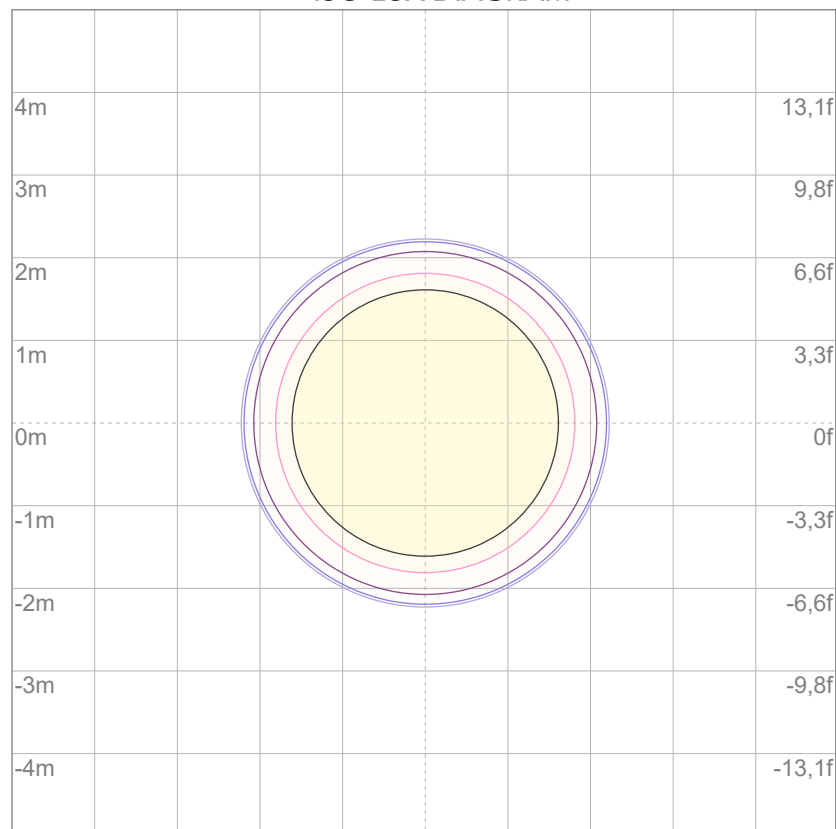
10%	5184 cd
20%	10368 cd
30%	15553 cd
40%	20737 cd
50%	25921 cd
60%	31105 cd
70%	36289 cd
80%	41473 cd

Conditions:

Number of c-planes: 2

Candela at center: 51842 cd

ISO LUX DIAGRAM



3%	15,6 lx
5%	25,9 lx
10%	51,8 lx
30%	156 lx
50%	259 lx

Conditions:

Number of c-planes: 2

Lux at center: 518 lx

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



Total lumen output:

2717 lm

Peak candela output:

533802 cd

Light quality:

CRI: 65,7

Color temperature:

5672 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

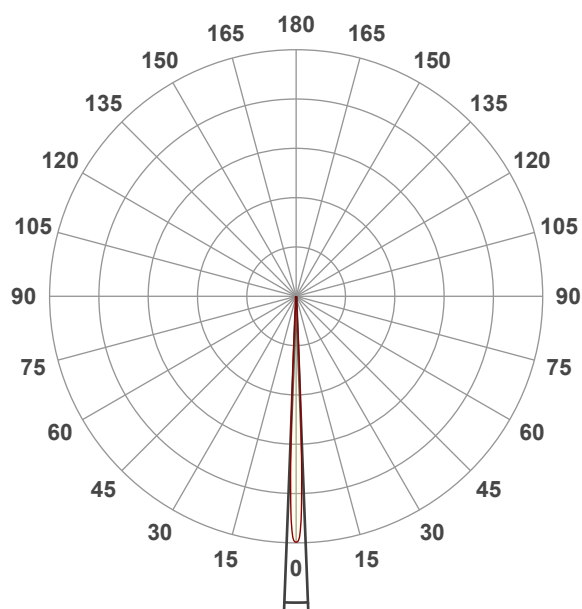
5600K

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:38:48

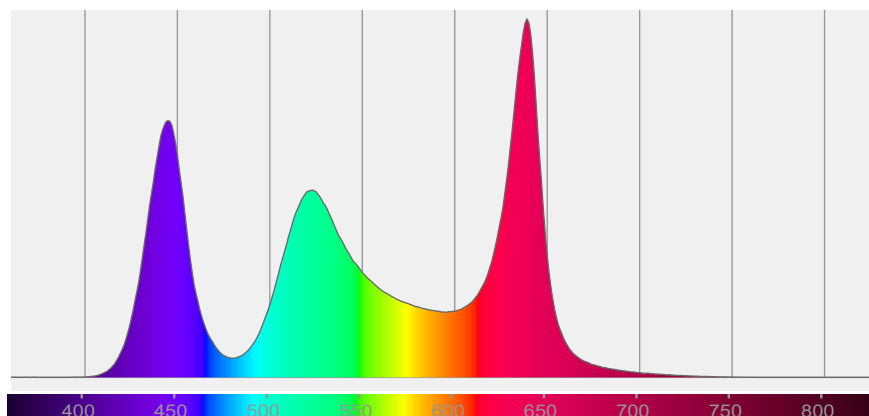


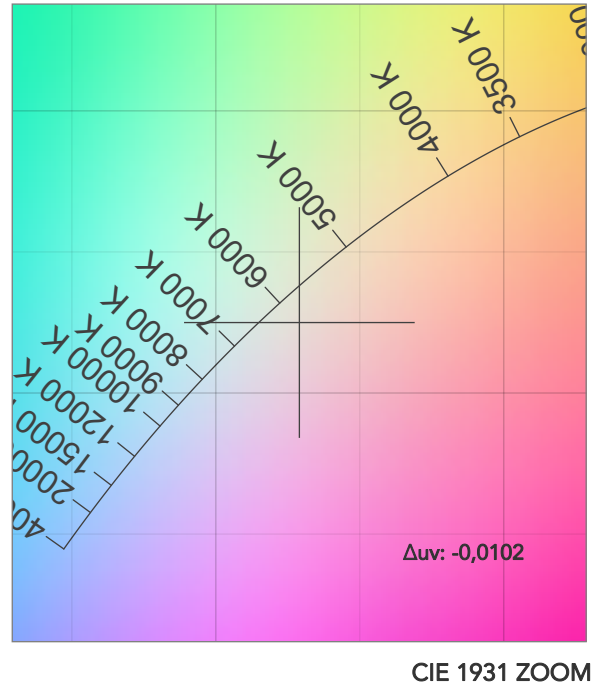
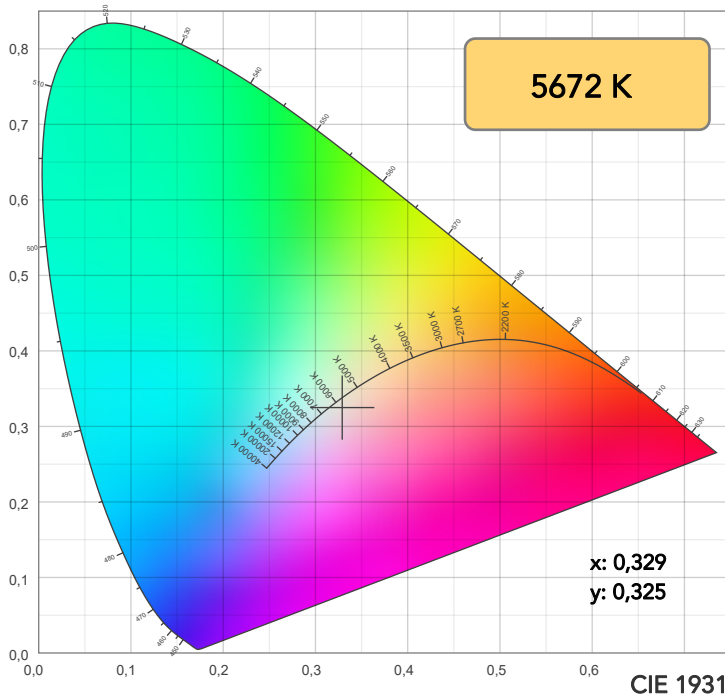
Beam angle 50%: 4,4°

Field angle 10%: 6,3°

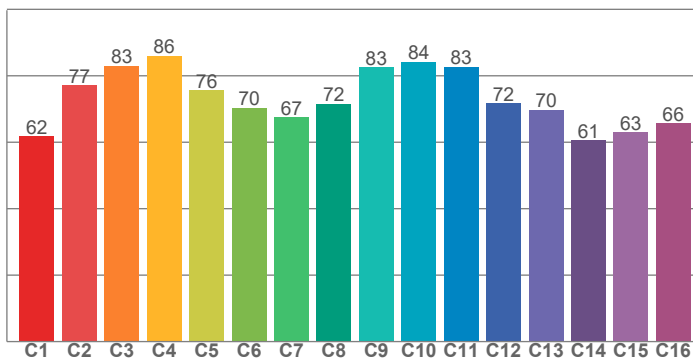
Cut off angle 2.5%: 7,1°

Spectra

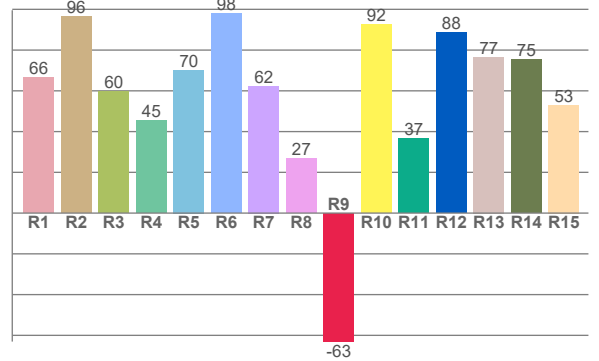




TM30: 74,5



CRI: 65,7 (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
66,5	96,4	59,6	45,4	70,2	98,0	62,4	26,8	-63,1	92,4	36,7	88,5	76,6	75,2	53,0

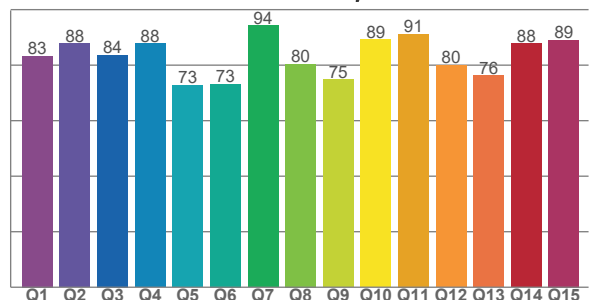
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
61,8	77,2	82,9	86,0	75,6	70,4	67,5	71,5	82,5	84,1	82,8	71,7	69,7	60,6	63,0	65,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,4	87,7	83,6	87,8	72,8	73,2	94,3	80,5	74,8	89,2	91,2	80,0	76,3	87,8	89,1

CQS: 82,2



COLOR PARAMETERS

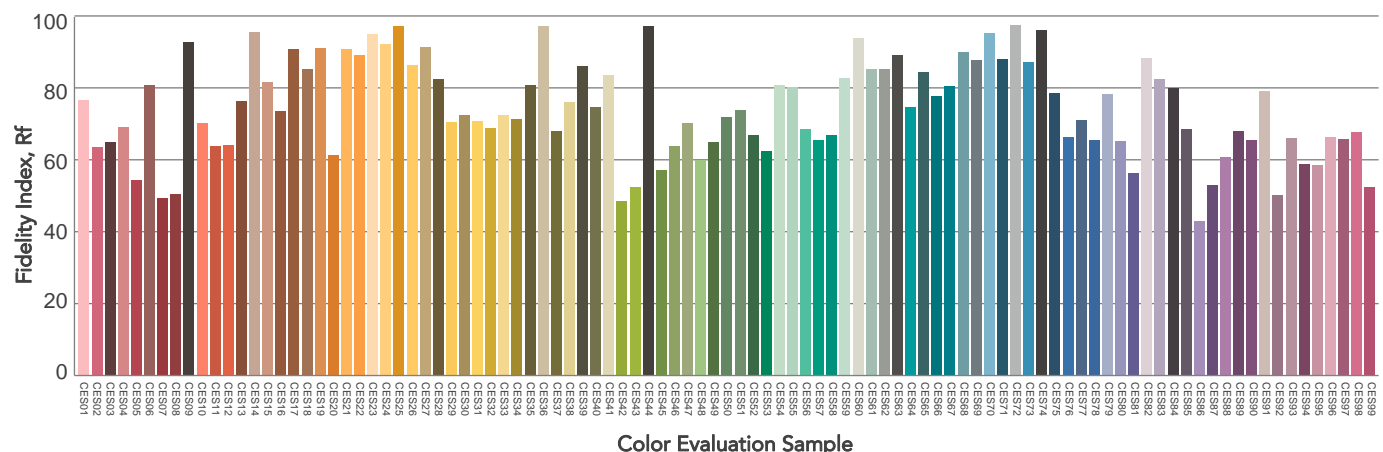
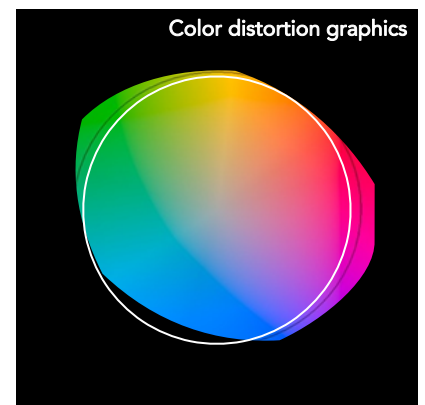
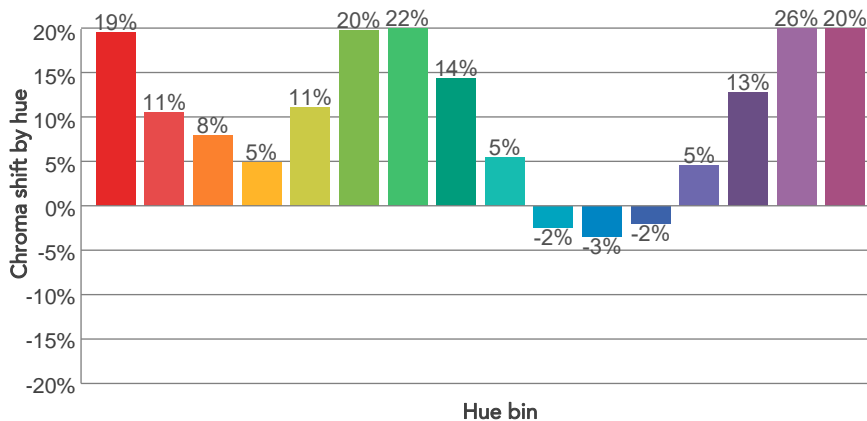
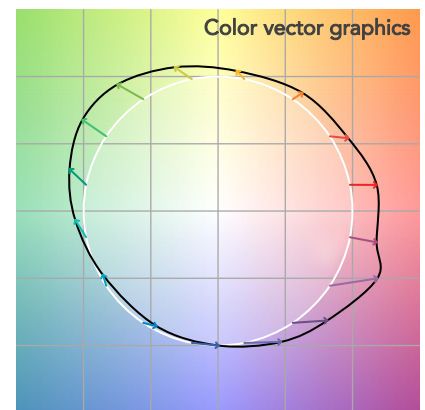
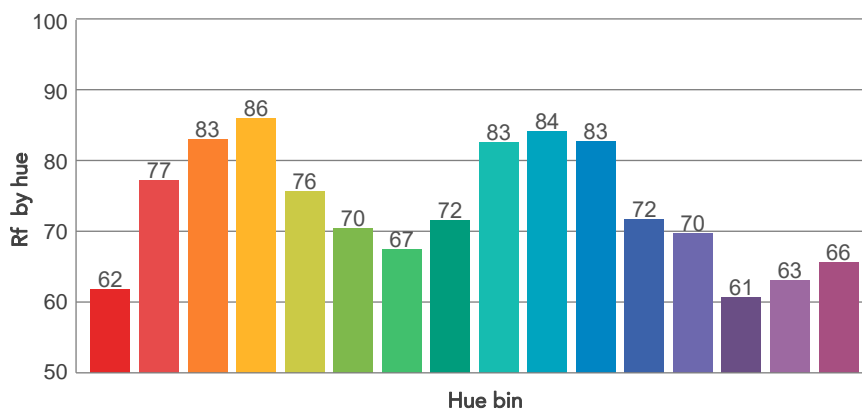
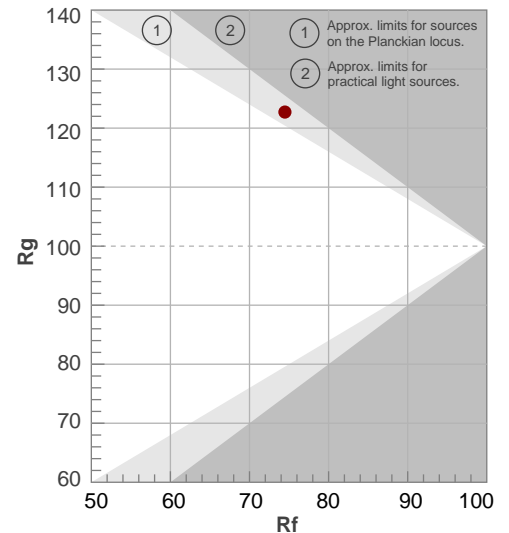
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5672 K	65,7	-63,1	74,5	122,7	82,2	50	0,329	0,325	-0,0102

TM30 DETAILS

Rf 74,5
Fidelity index Rf

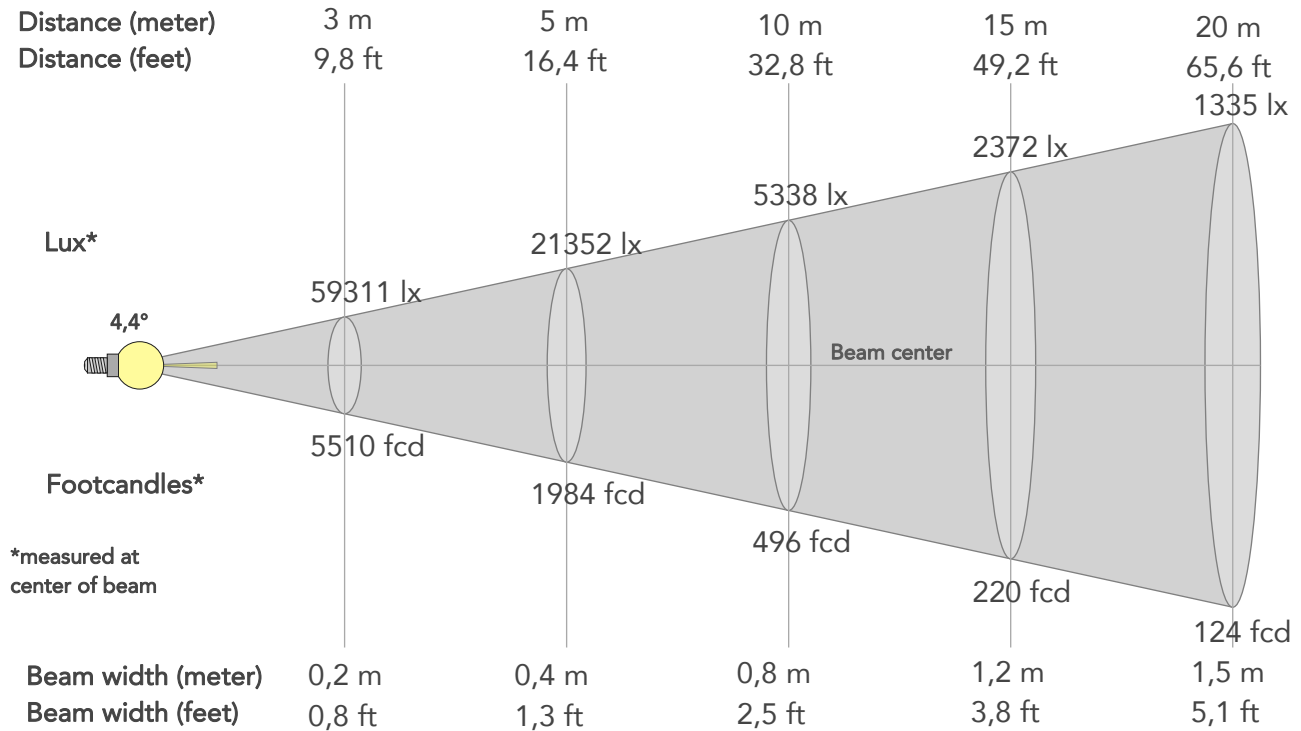
Rg 122,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	62	19%	-4%
2	77	11%	-9%
3	83	8%	-3%
4	86	5%	7%
5	76	11%	11%
6	70	20%	10%
7	67	22%	0%
8	72	14%	-9%
9	83	5%	-14%
10	84	-2%	-8%
11	83	-3%	9%
12	72	-2%	20%
13	70	5%	27%
14	61	13%	22%
15	63	26%	24%
16	66	20%	0%



BEAM DETAILS

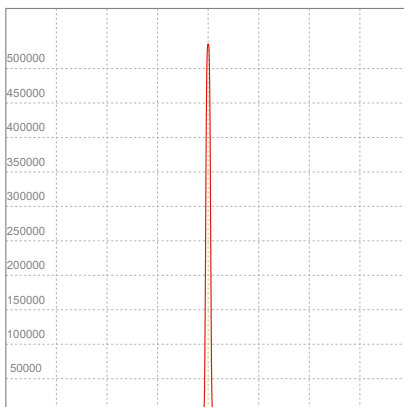
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,4°	6,3°	7,1°	100,0%	100,0%



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	533802lx	133450lx	59311lx	33363lx	21352lx	9490lx	5338lx	2372lx	1335lx	854lx	593lx	334lx	214lx
Footcand.	49592fcd	12398fcd	5510fcd	3099fcd	1984fcd	882fcd	496fcd	220fcd	124fcd	79fcd	55fcd	31fcd	20fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,5m	1,9m	2,3m	3,1m	3,9m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,5ft	3,8ft	5,1ft	6,3ft	7,6ft	10,1ft	12,6ft

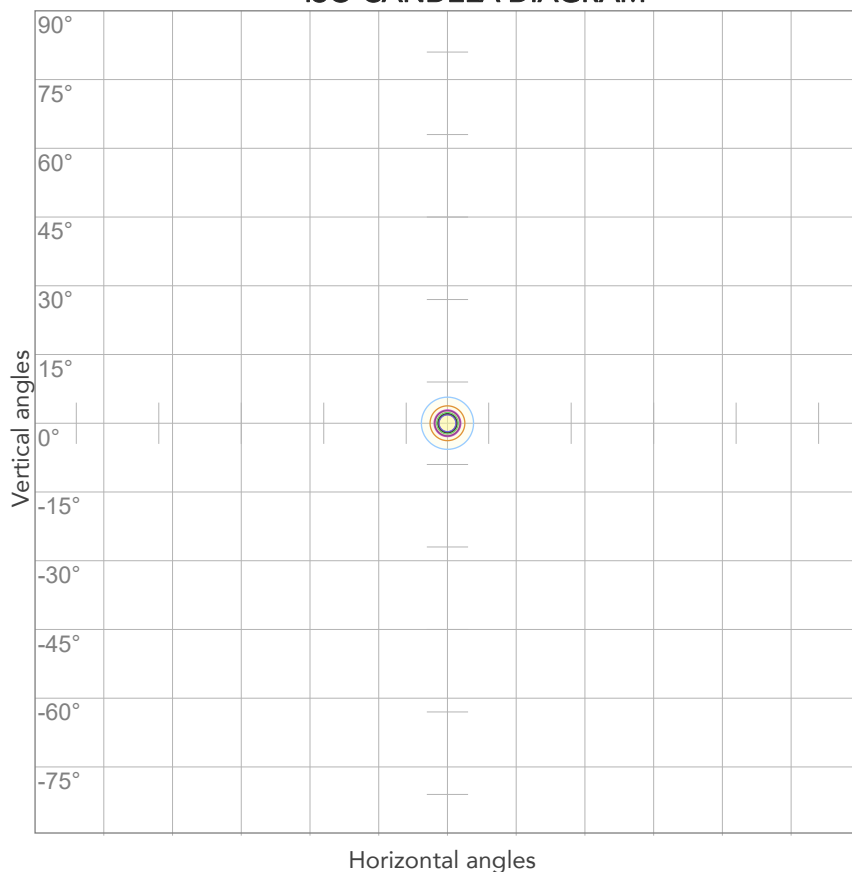
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,01A	216W	13lm/W

ISO CANDELA DIAGRAM



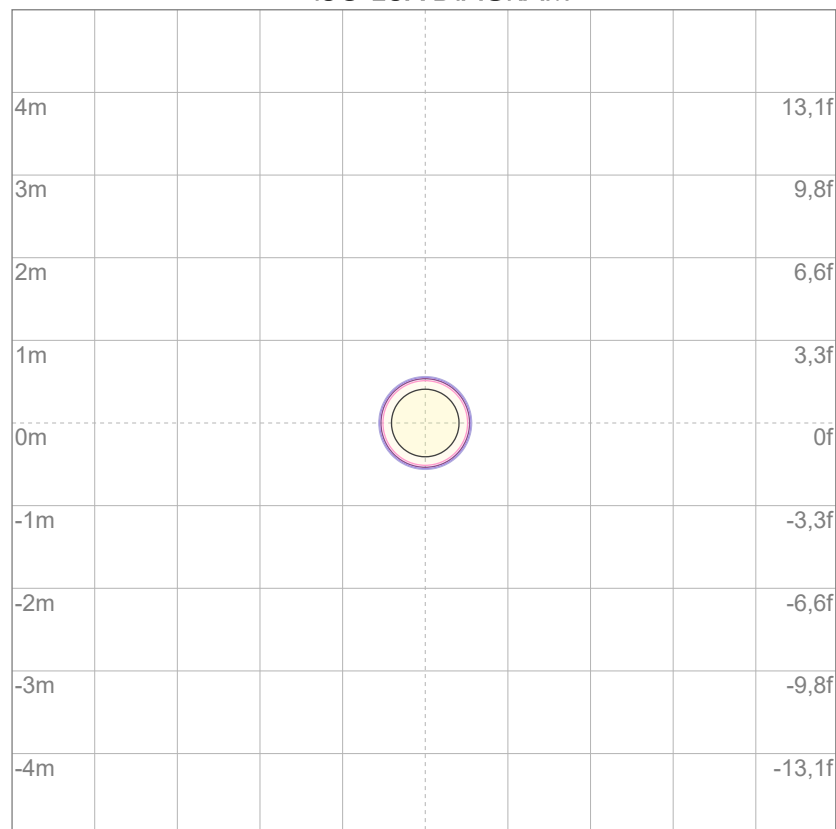
10%	53380 cd
20%	106760 cd
30%	160140 cd
40%	213521 cd
50%	266901 cd
60%	320281 cd
70%	373661 cd
80%	427041 cd

Conditions:

Number of c-planes: 2

Candela at center: 533802 cd

ISO LUX DIAGRAM



3%	160 lx
5%	267 lx
10%	534 lx
30%	1601 lx
50%	2669 lx

Conditions:

Number of c-planes: 2

Lux at center: 5338 lx

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



Total lumen output:

4834 lm

Peak candela output:

15350 cd

Light quality:

CRI: 66,9

Color temperature:

6102 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

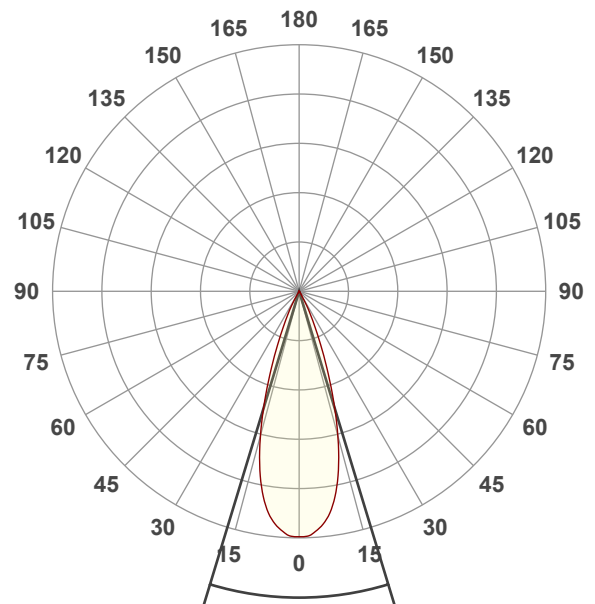
6000K

Operator:

Paolo Carvone

Date and time:

05/04/2022 14:16:35

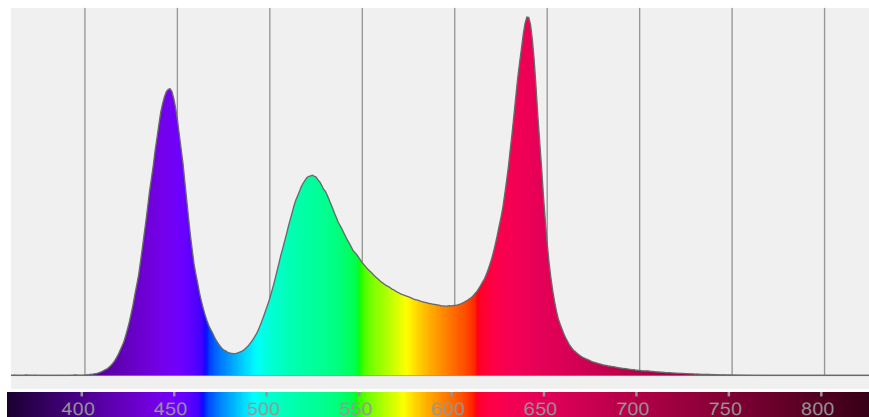


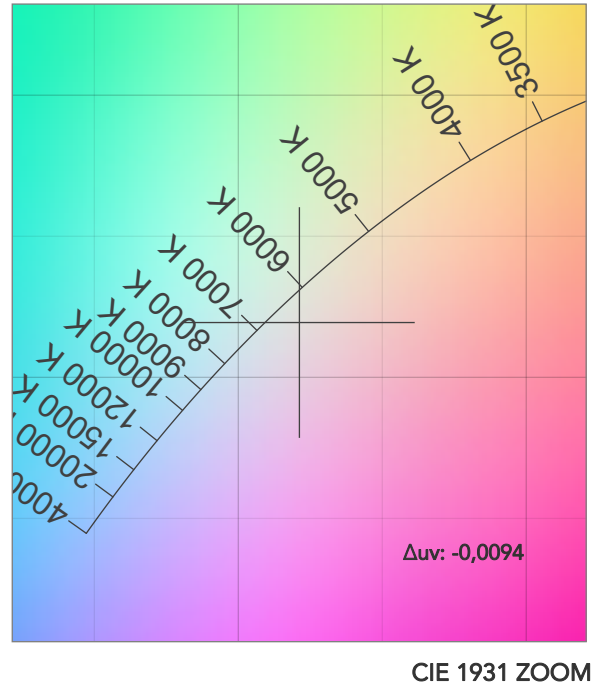
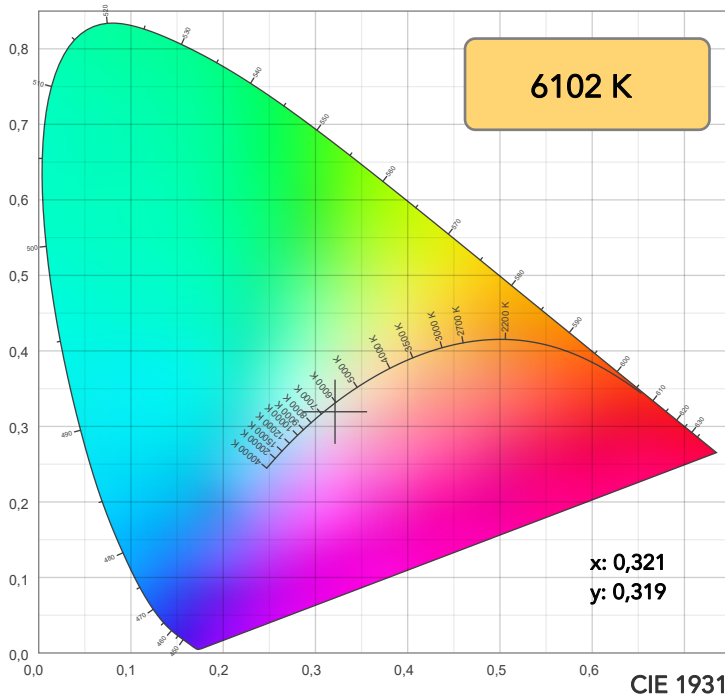
Beam angle 50%: 33,8°

Field angle 10%: 52,4°

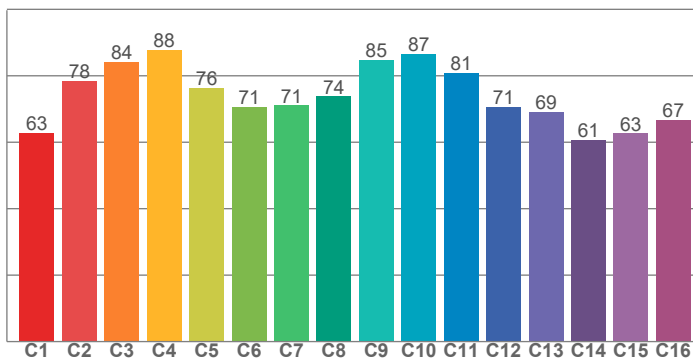
Cut off angle 2.5%: 59,4°

Spectra

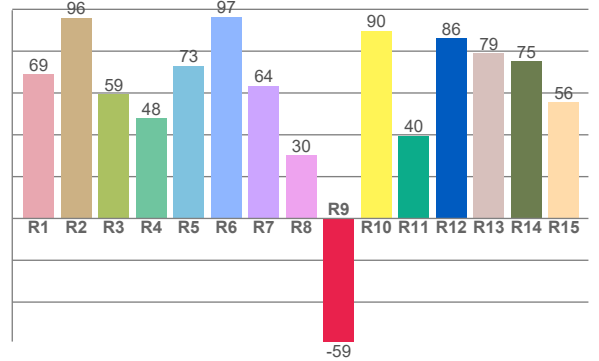




TM30: 75,2



CRI: 66,9 (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
69,0	95,9	59,4	47,8	73,0	96,5	63,5	30,1	-58,9	89,9	39,6	86,1	78,9	75,3	55,6

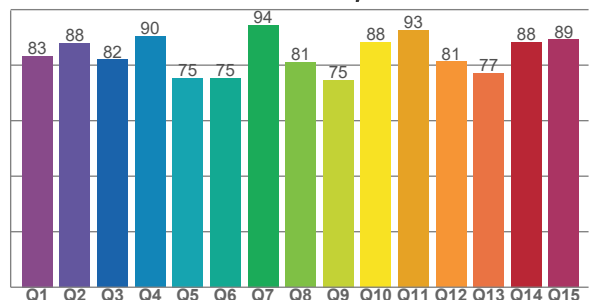
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
62,9	78,4	84,1	87,9	76,3	70,7	71,1	73,9	84,7	86,5	80,8	70,6	69,2	60,8	62,7	66,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,3	87,9	82,1	90,4	75,3	75,2	94,5	81,0	74,7	88,3	92,7	81,3	77,1	88,3	89,2

CQS: 82,9



COLOR PARAMETERS

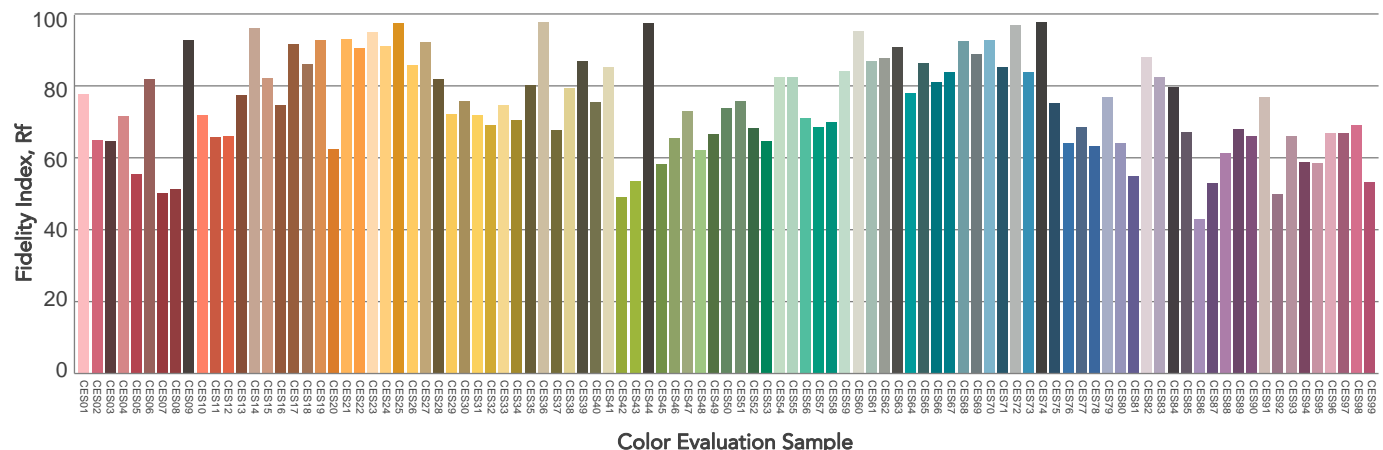
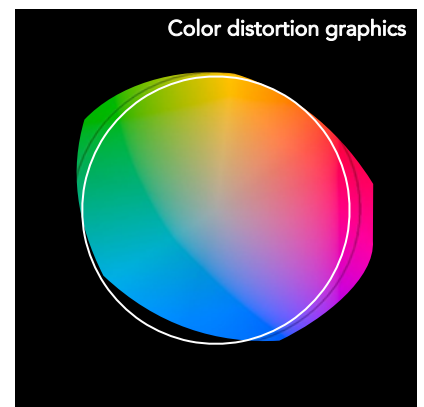
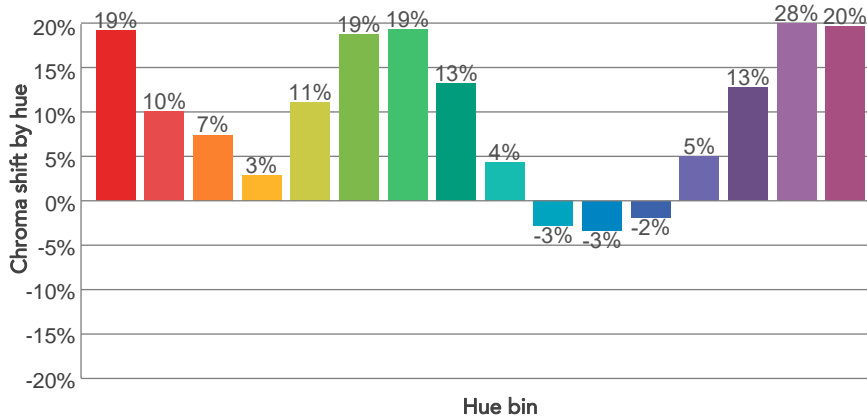
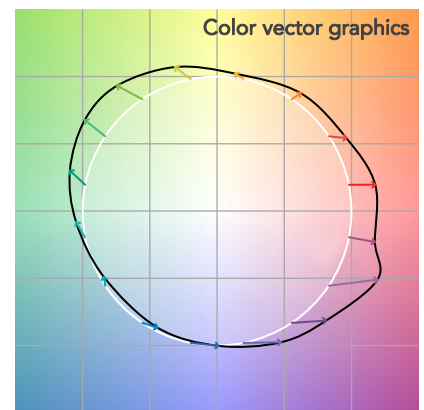
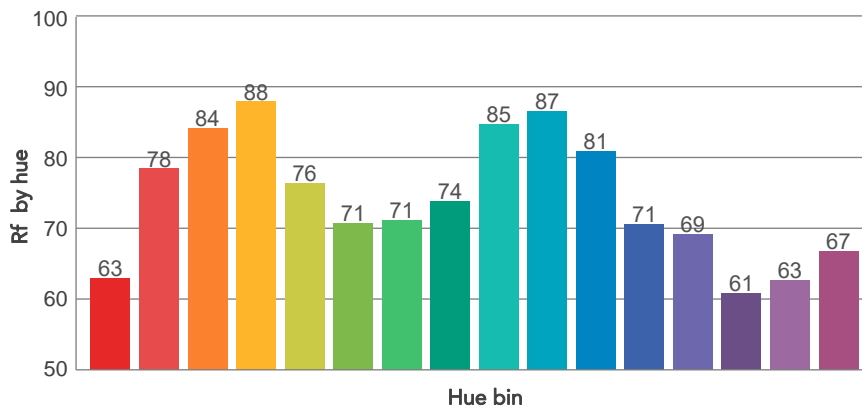
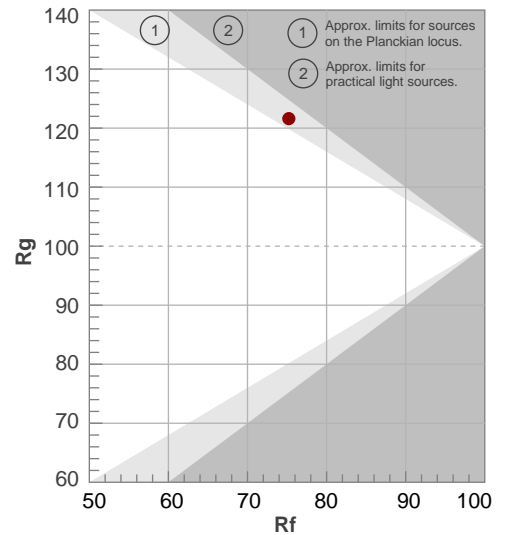
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6102 K	66,9	-58,9	75,2	121,6	82,9	52	0,321	0,319	-0,0094

TM30 DETAILS

Rf 75,2
Fidelity index Rf

Rg 121,6
Gammut index

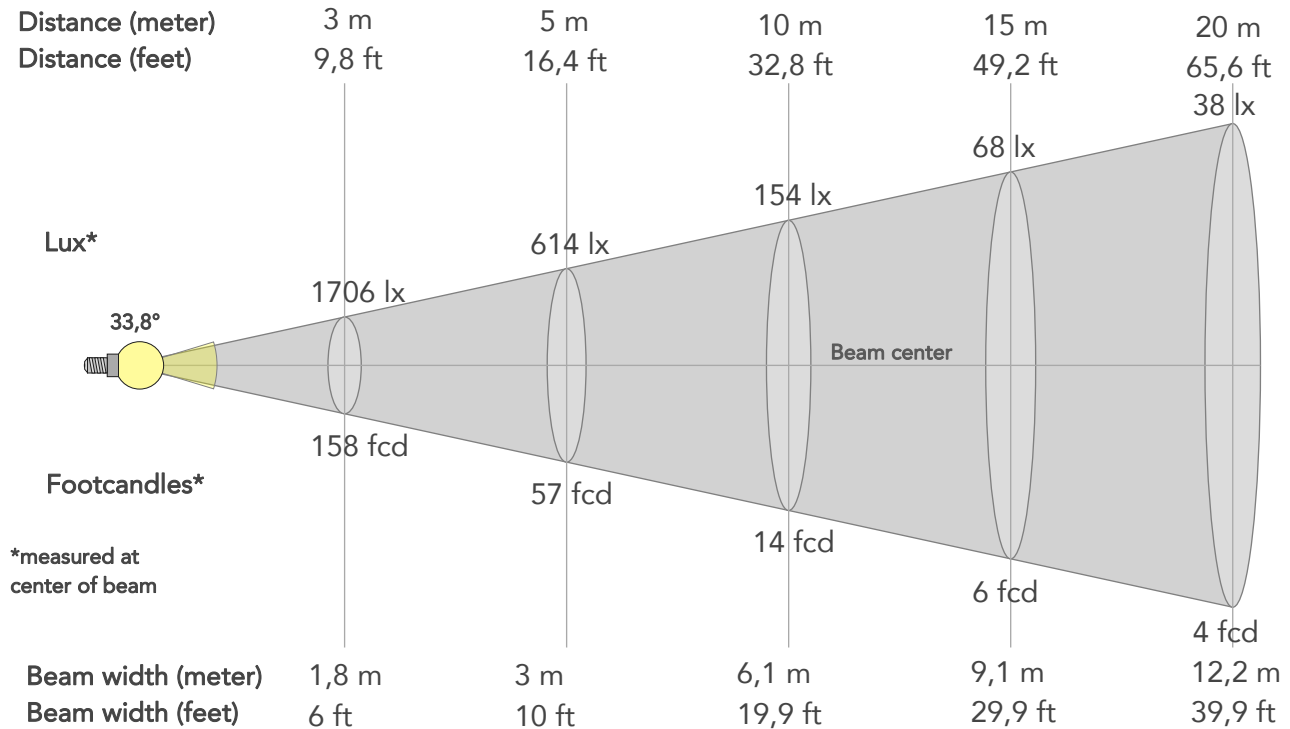
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	63	19%	-4%
2	78	10%	-8%
3	84	7%	-3%
4	88	3%	7%
5	76	11%	10%
6	71	19%	10%
7	71	19%	-2%
8	74	13%	-8%
9	85	4%	-12%
10	87	-3%	-6%
11	81	-3%	11%
12	71	-2%	21%
13	69	5%	28%
14	61	13%	22%
15	63	28%	24%
16	67	20%	0%



BEAM DETAILS



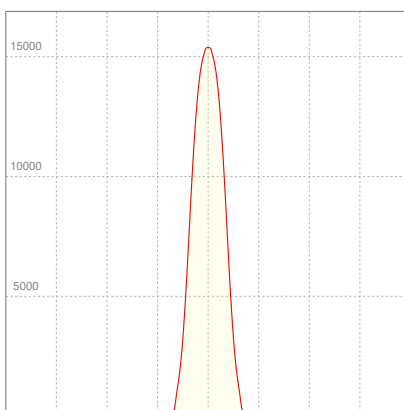
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,8°	52,4°	59,4°	100,0%	100,0%



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	15350lx	3838lx	1706lx	959lx	614lx	273lx	154lx	68lx	38lx	25lx	17lx	10lx	6lx
Footcand.	1426fcd	357fcd	158fcd	89fcd	57fcd	25fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,6m	6,1m	9,1m	12,2m	15,2m	18,2m	24,3m	30,4m
Beam wid.	2ft	4ft	6ft	8ft	10ft	15ft	19,9ft	29,9ft	39,9ft	49,9ft	59,8ft	79,8ft	99,7ft

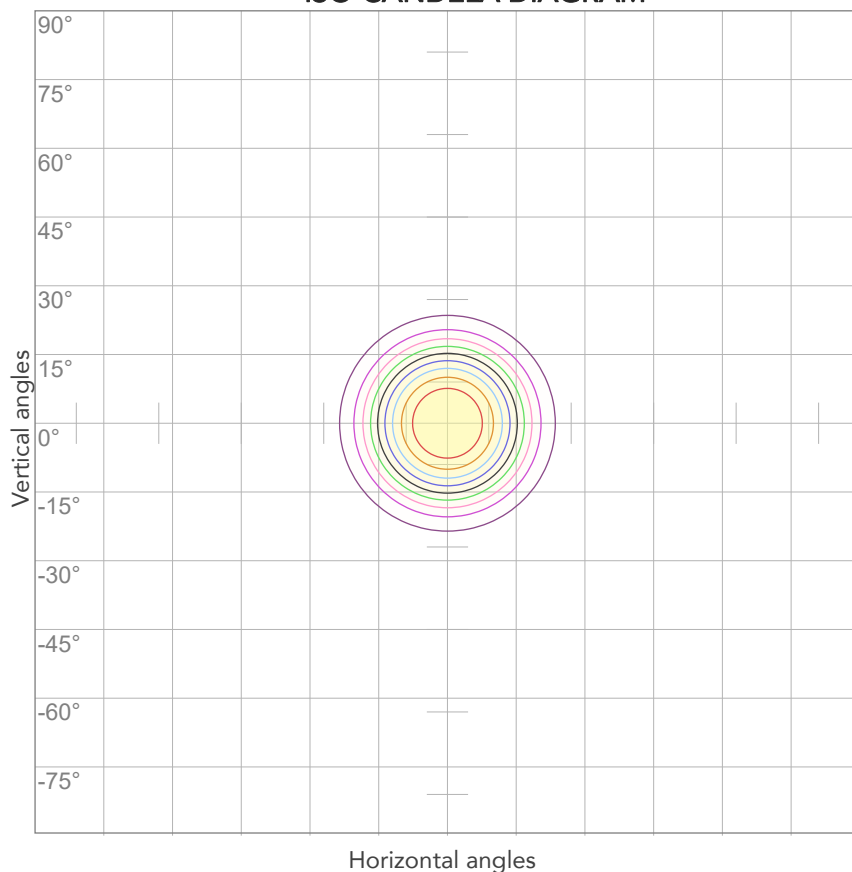
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,03A	221,7W	22lm/W

ISO CANDELA DIAGRAM



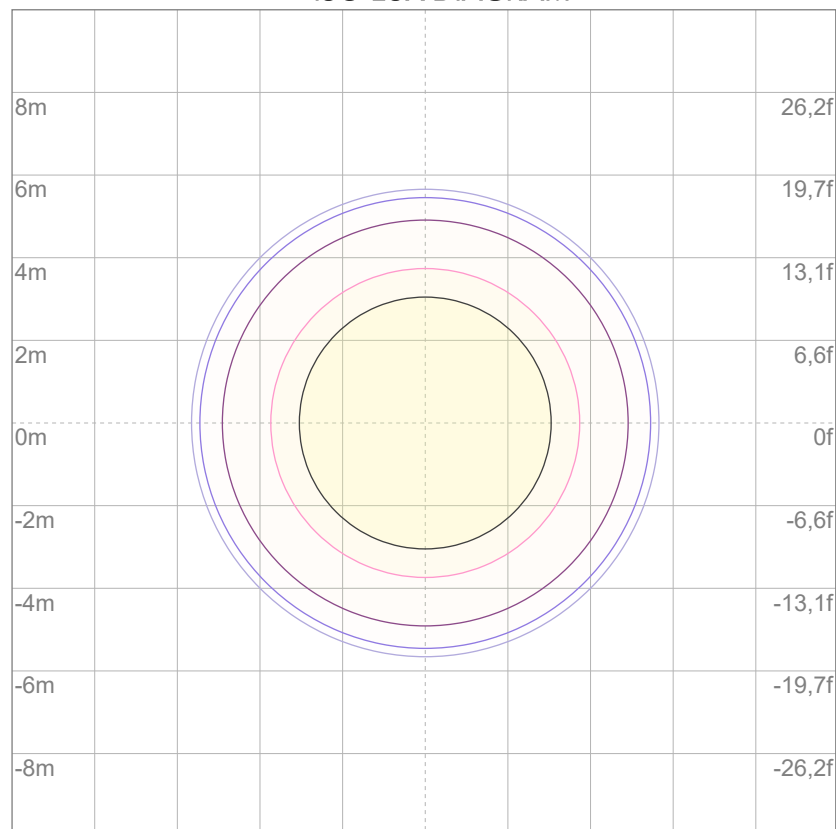
10%	1535 cd
20%	3070 cd
30%	4605 cd
40%	6140 cd
50%	7675 cd
60%	9210 cd
70%	10745 cd
80%	12280 cd

Conditions:

Number of c-planes: 2

Candela at center: 15350 cd

ISO LUX DIAGRAM



3%	4,61 lx
5%	7,68 lx
10%	15,4 lx
30%	46,1 lx
50%	76,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 154 lx

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



Total lumen output:

4078 lm

Peak candela output:

52747 cd

Light quality:

CRI: 66,0

Color temperature:

6072 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

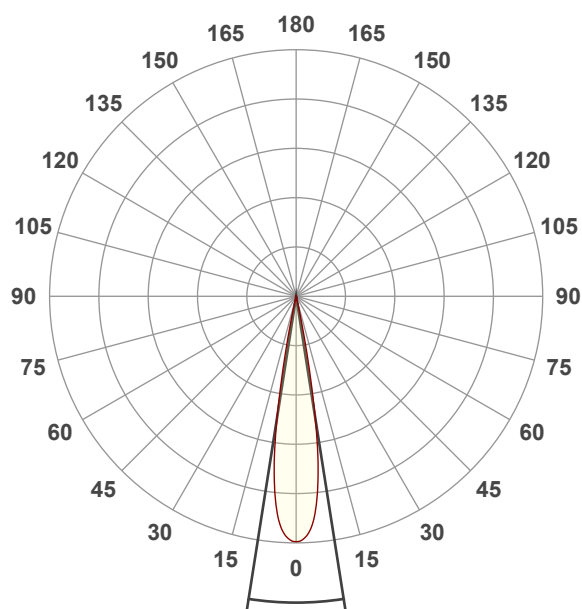
6000K

Operator:

Paolo Carvone

Date and time:

05/04/2022 13:36:10

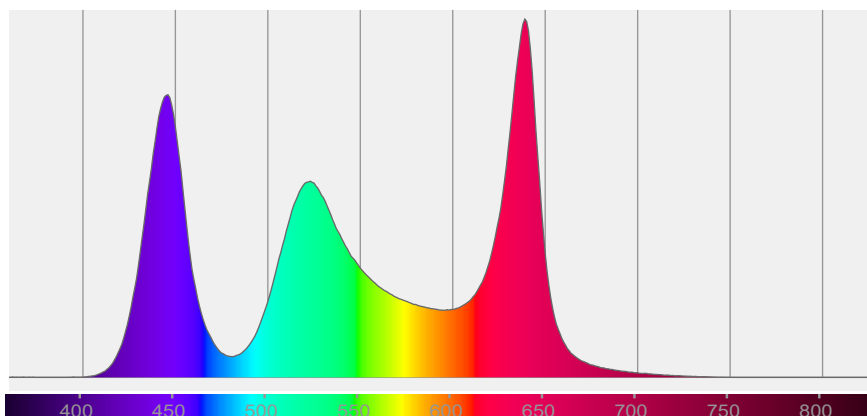


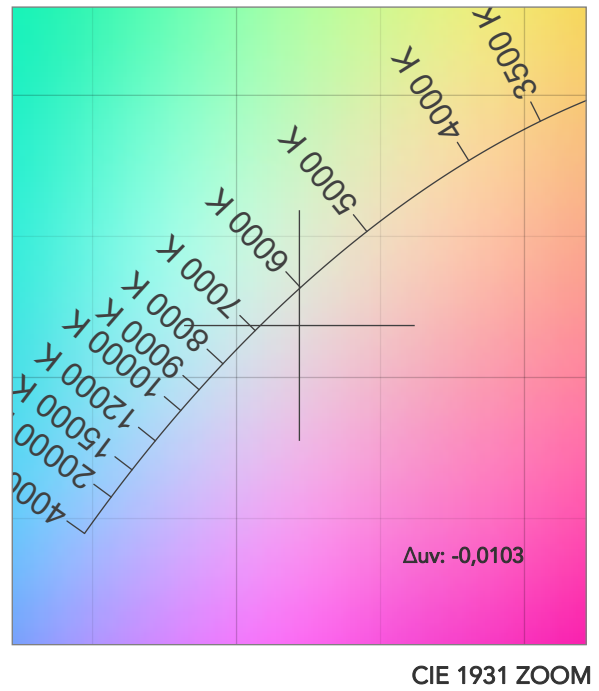
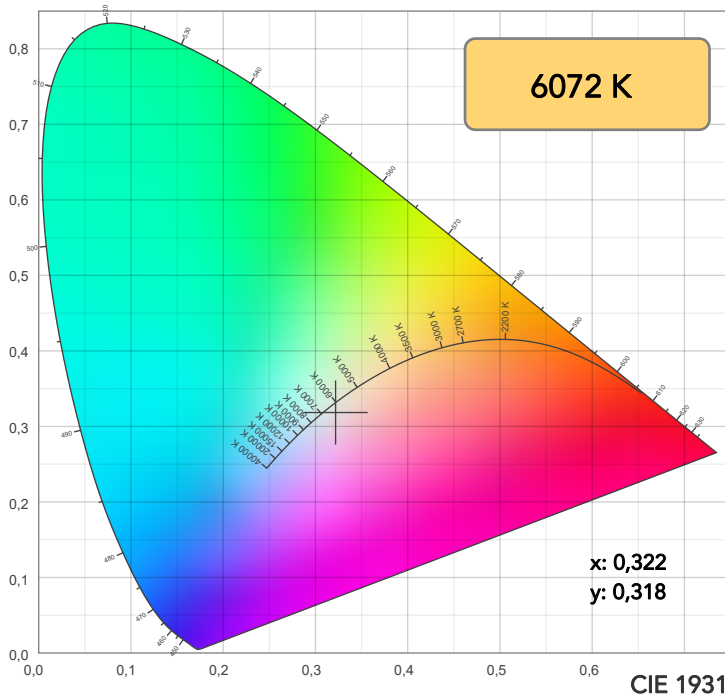
Beam angle 50%: 17,9°

Field angle 10%: 23,8°

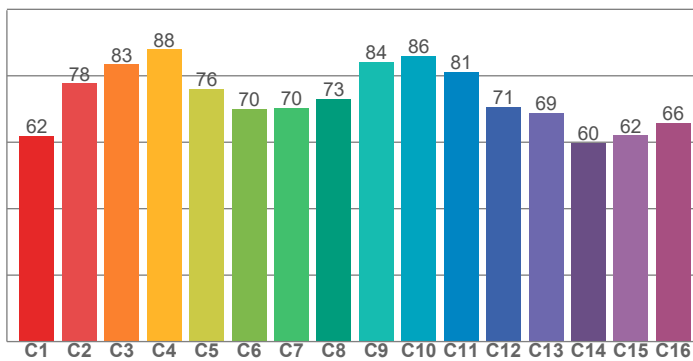
Cut off angle 2.5%: 25,9°

Spectra

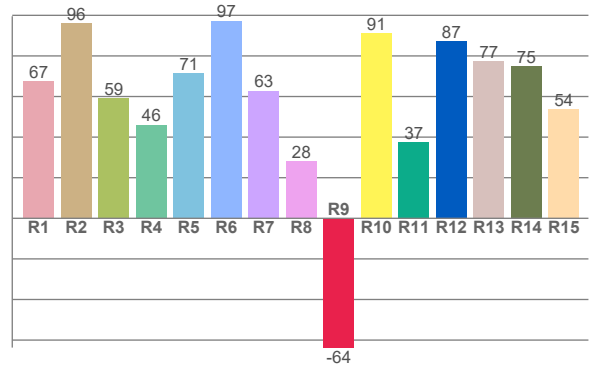




TM30: 74,7



CRI: 66,0 (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
67,3	96,1	59,0	46,1	71,4	97,3	62,9	28,0	-63,7	91,0	37,5	87,4	77,4	74,9	53,6

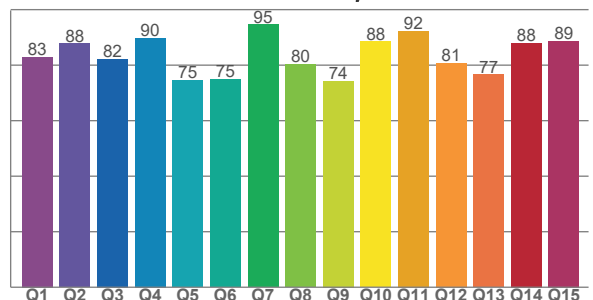
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
61,9	77,7	83,4	87,9	76,0	70,0	70,3	73,0	84,1	85,9	81,2	70,6	68,9	59,9	62,0	65,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82,9	87,7	82,3	89,8	74,6	74,9	94,6	80,3	74,2	88,4	92,2	80,7	76,7	87,9	88,7

CQS: 82,5



COLOR PARAMETERS

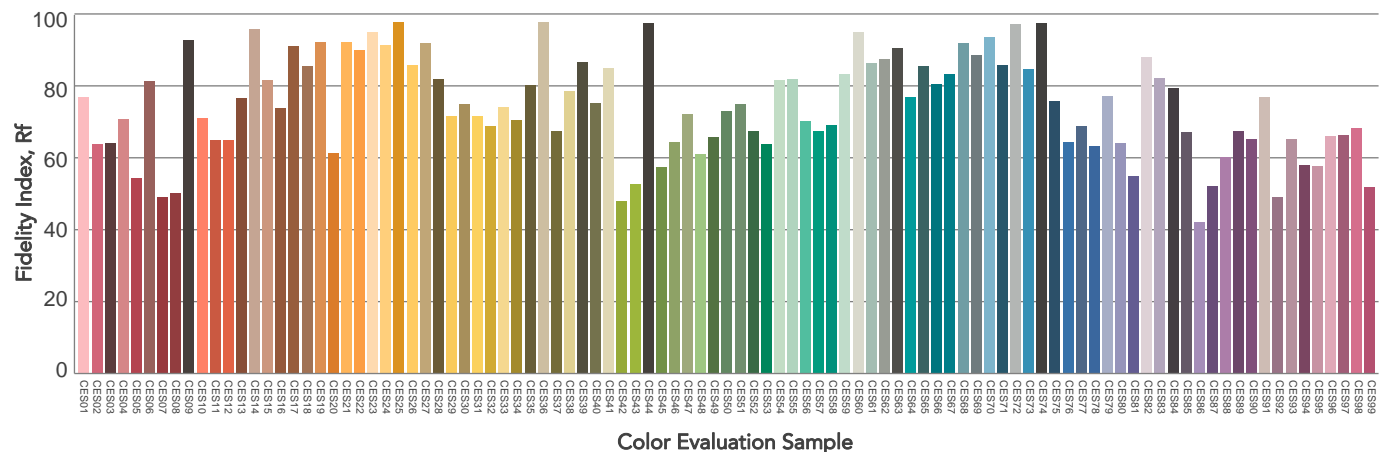
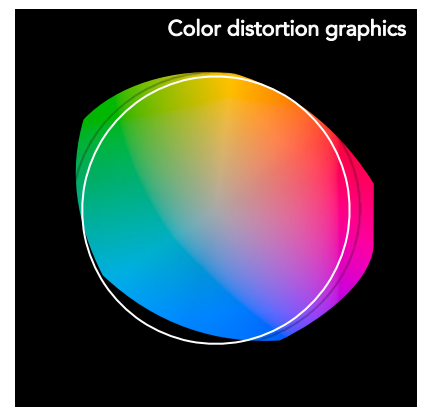
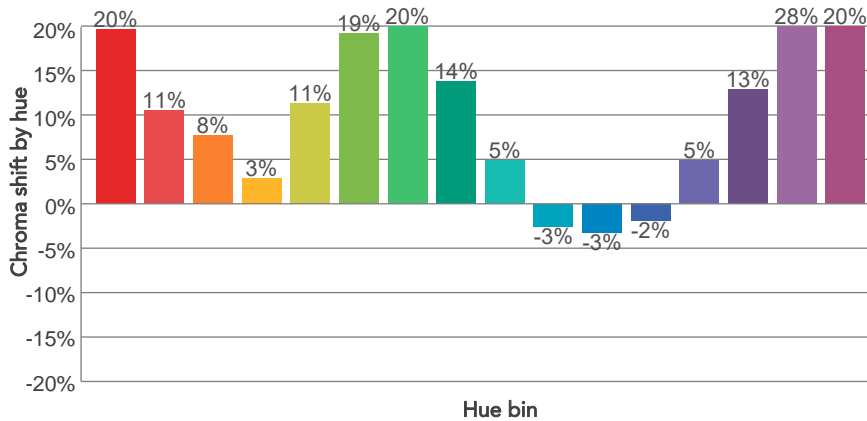
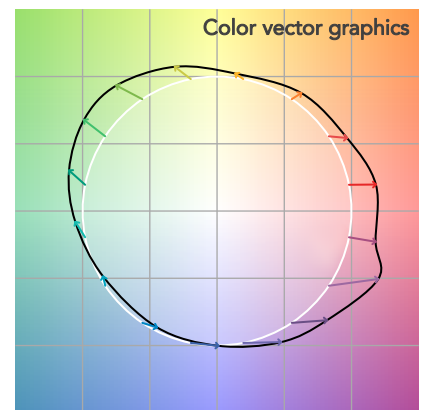
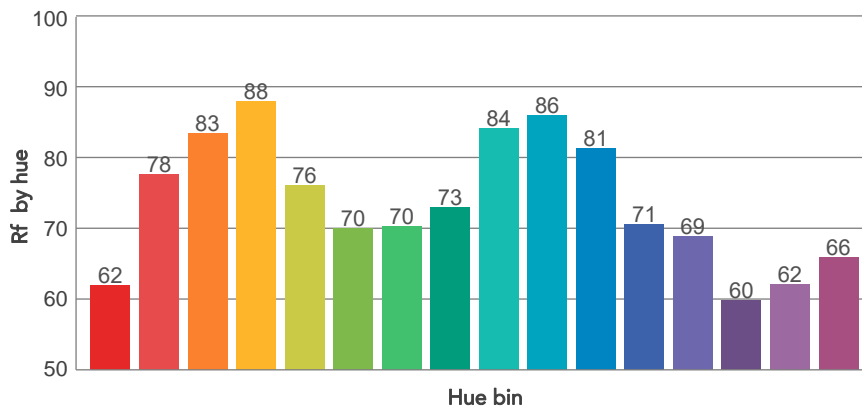
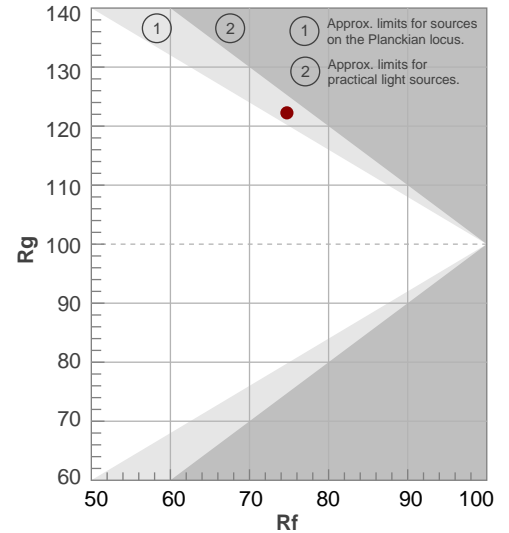
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6072 K	66,0	-63,7	74,7	122,2	82,5	51	0,322	0,318	-0,0103

TM30 DETAILS

Rf 74,7
Fidelity index Rf

Rg 122,2
Gammut index

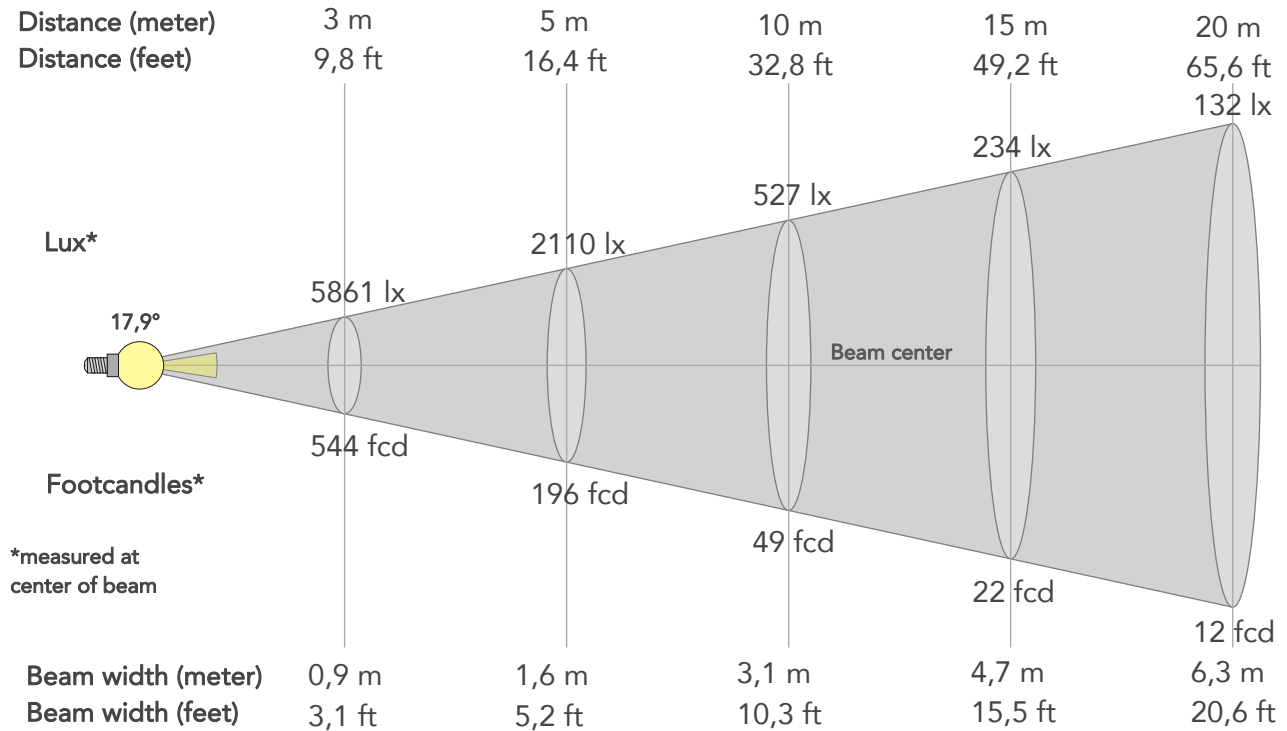
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	62	20%	-4%
2	78	11%	-9%
3	83	8%	-3%
4	88	3%	7%
5	76	11%	10%
6	70	19%	10%
7	70	20%	-1%
8	73	14%	-8%
9	84	5%	-13%
10	86	-3%	-7%
11	81	-3%	11%
12	71	-2%	21%
13	69	5%	28%
14	60	13%	23%
15	62	28%	25%
16	66	20%	1%



BEAM DETAILS



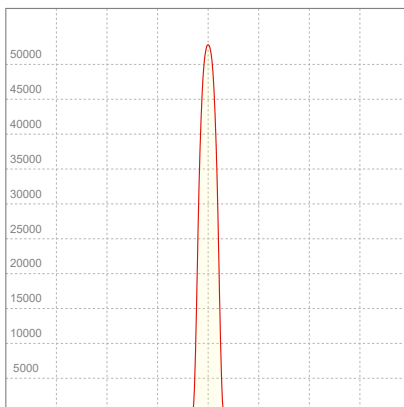
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	23,8°	25,9°	100,0%	100,0%



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	52747lx	13187lx	5861lx	3297lx	2110lx	938lx	527lx	234lx	132lx	84lx	59lx	33lx	21lx
Footcand.	4900fcd	1225fcd	544fcd	306fcd	196fcd	87fcd	49fcd	22fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,9m	9,4m	12,6m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,7ft	10,3ft	15,5ft	20,6ft	25,8ft	30,9ft	41,2ft	51,5ft

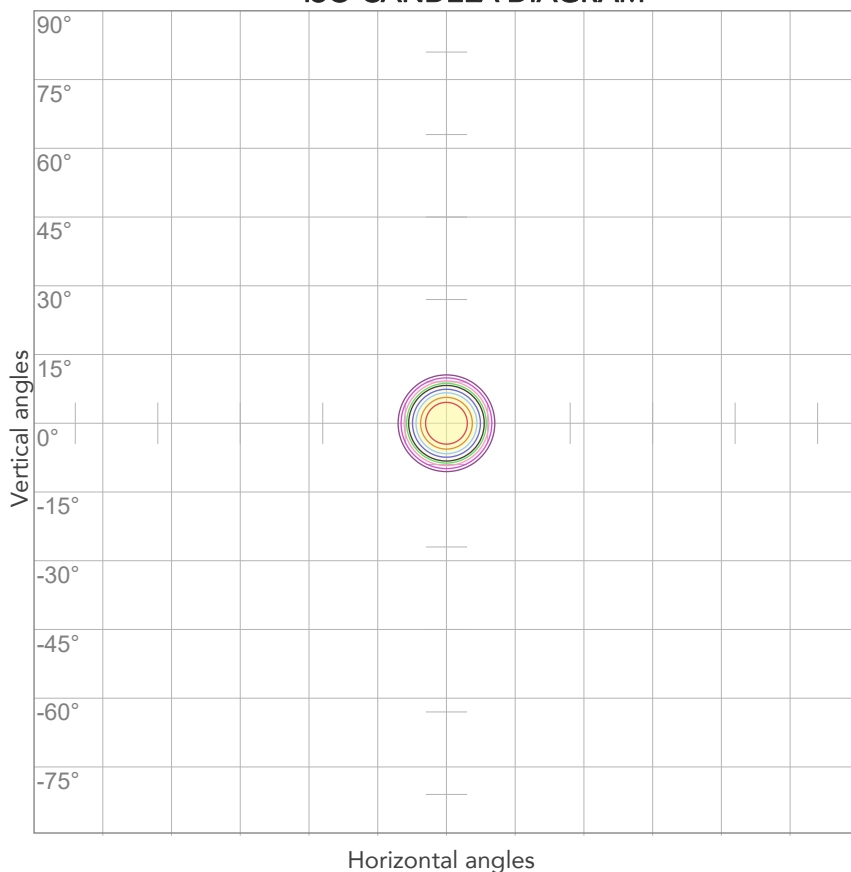
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,05A	222,5W	18lm/W

ISO CANDELA DIAGRAM



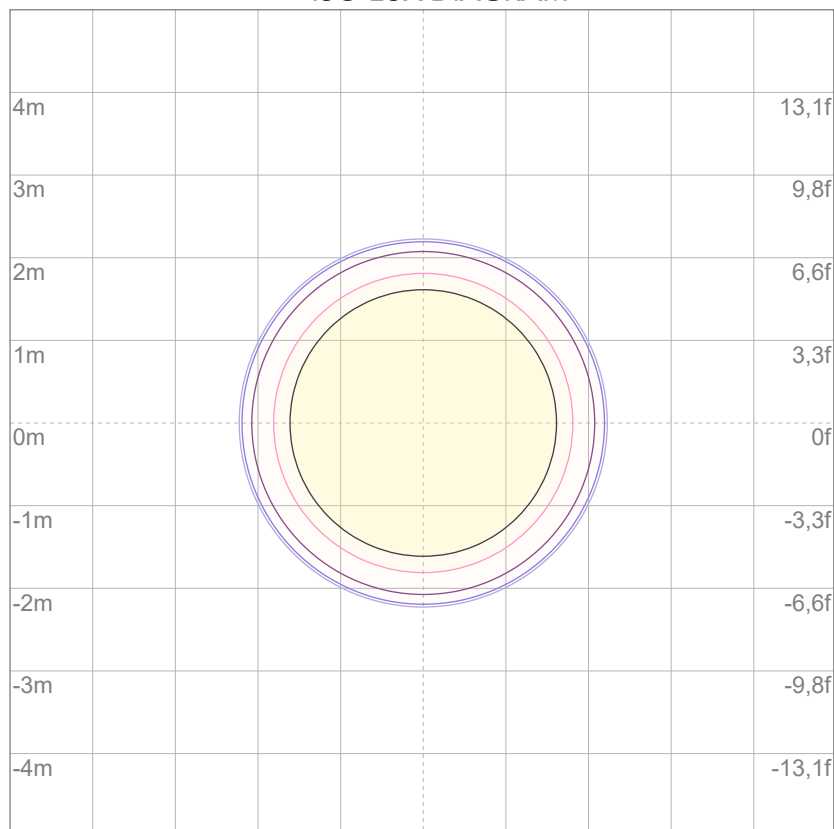
10%	5275 cd
20%	10549 cd
30%	15824 cd
40%	21099 cd
50%	26374 cd
60%	31648 cd
70%	36923 cd
80%	42198 cd

Conditions:

Number of c-planes: 2

Candela at center: 52747 cd

ISO LUX DIAGRAM



3%	15,8 lx
5%	26,4 lx
10%	52,7 lx
30%	158 lx
50%	264 lx

Conditions:

Number of c-planes: 2

Lux at center: 527 lx

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



Total lumen output:

2735 lm

Peak candela output:

540637 cd

Light quality:

CRI: 65,5

Color temperature:

6076 K

PRODUCT NAME:

JETWASH19

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

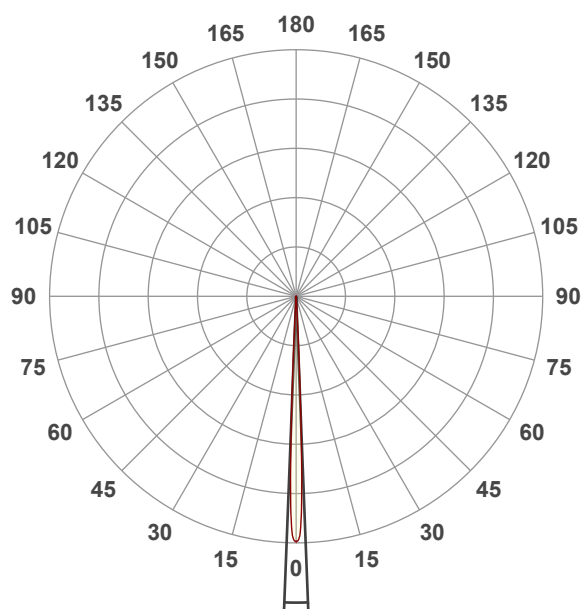
6000K

Operator:

Paolo Carvone

Date and time:

05/04/2022 15:42:42

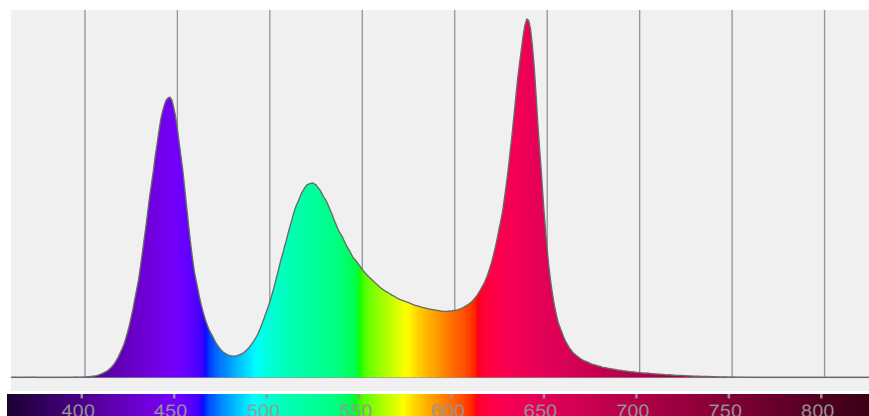


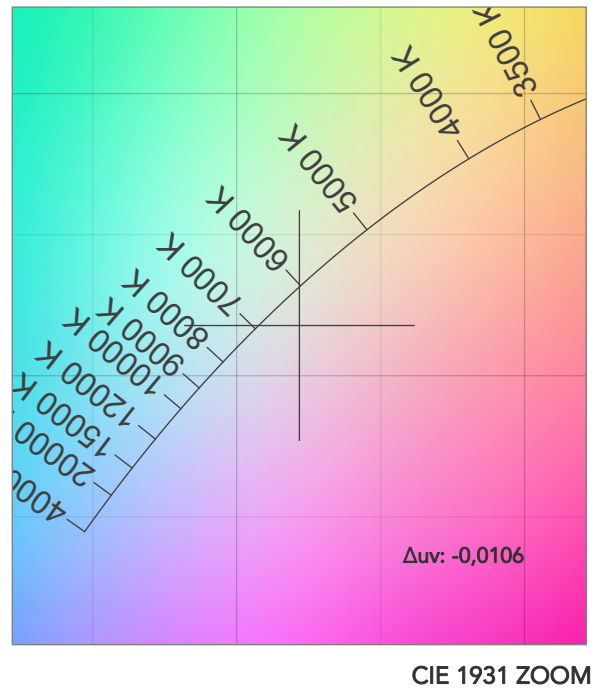
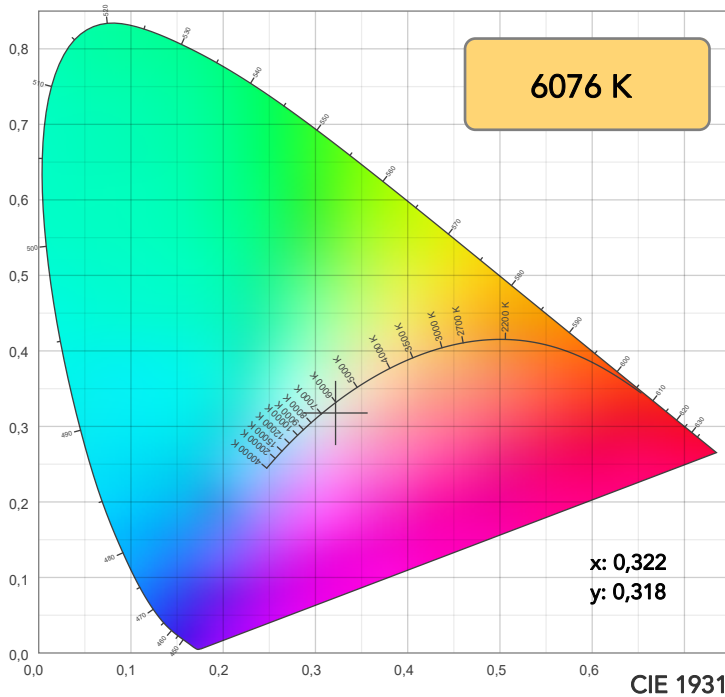
Beam angle 50%: 4,4°

Field angle 10%: 6,2°

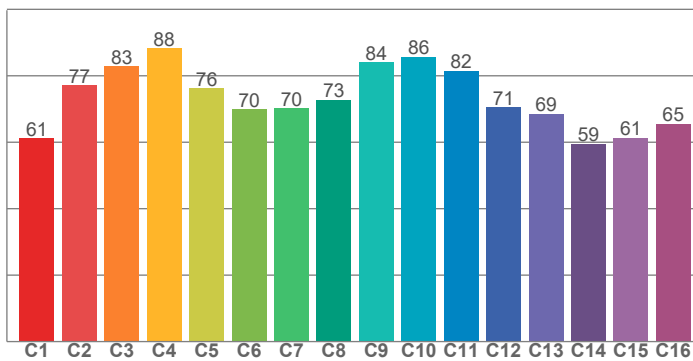
Cut off angle 2.5%: 6,9°

Spectra

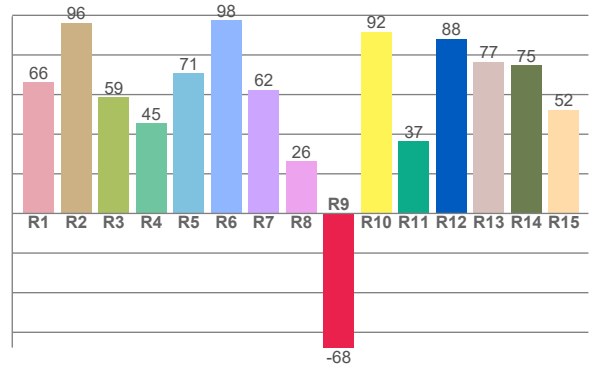




TM30: 74,5



CRI: 65,5 (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
66,4	96,2	58,8	45,4	70,6	97,7	62,5	26,5	-67,7	91,8	36,6	88,2	76,6	74,8	52,3

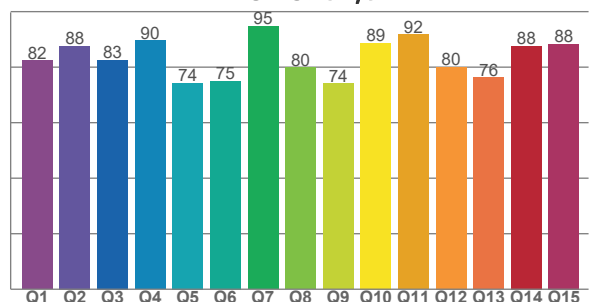
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
61,2	77,1	82,9	88,2	76,2	69,9	70,2	72,8	84,0	85,7	81,6	70,5	68,6	59,5	61,4	65,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82,3	87,6	82,5	89,6	74,4	75,0	94,7	79,9	74,0	88,7	91,7	80,1	76,2	87,6	88,3

CQS: 82,3



COLOR PARAMETERS

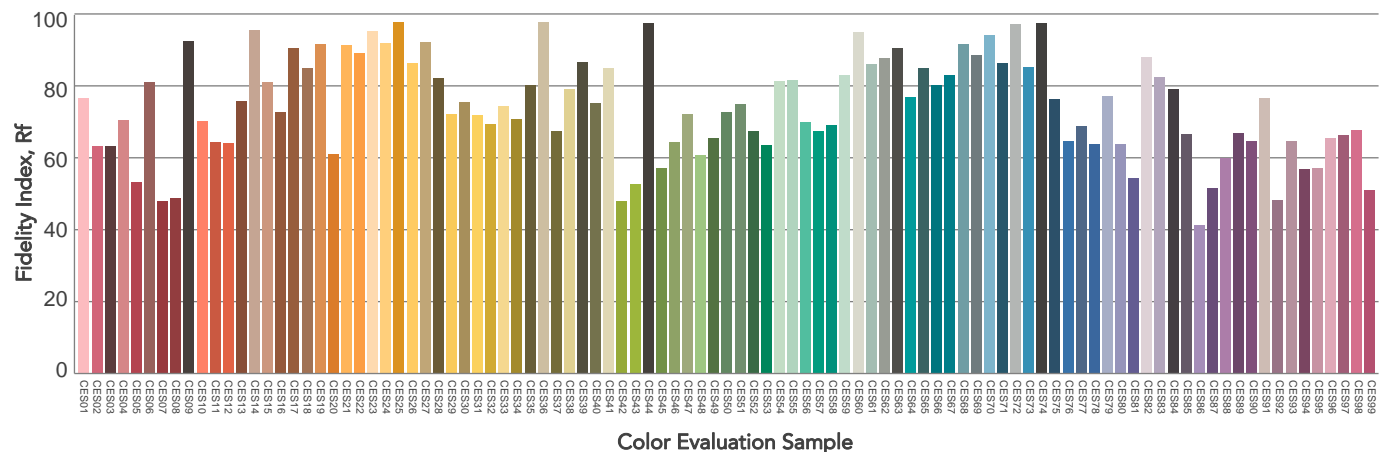
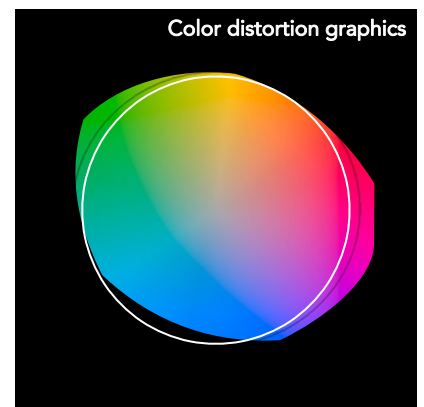
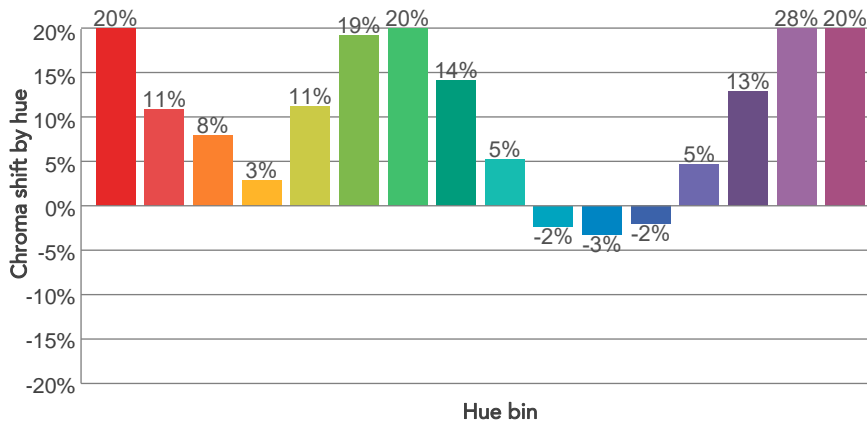
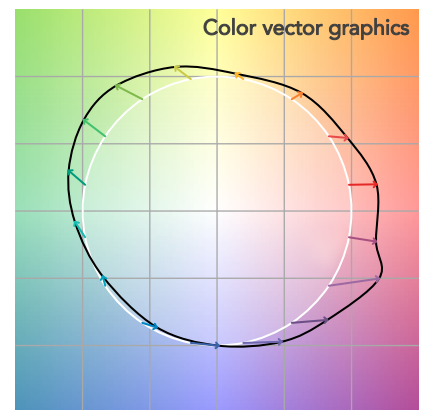
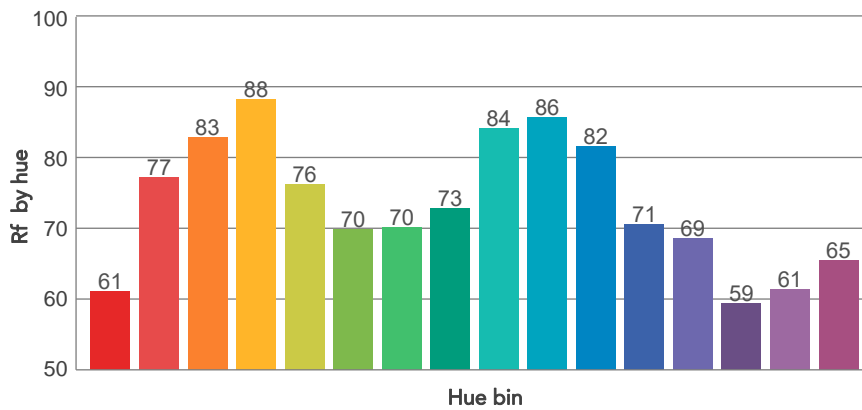
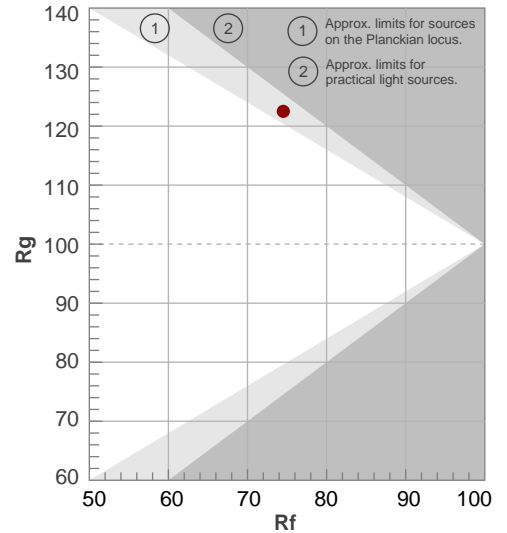
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6076 K	65,5	-67,7	74,5	122,5	82,3	51	0,322	0,318	-0,0106

TM30 DETAILS

Rf 74,5
Fidelity index Rf

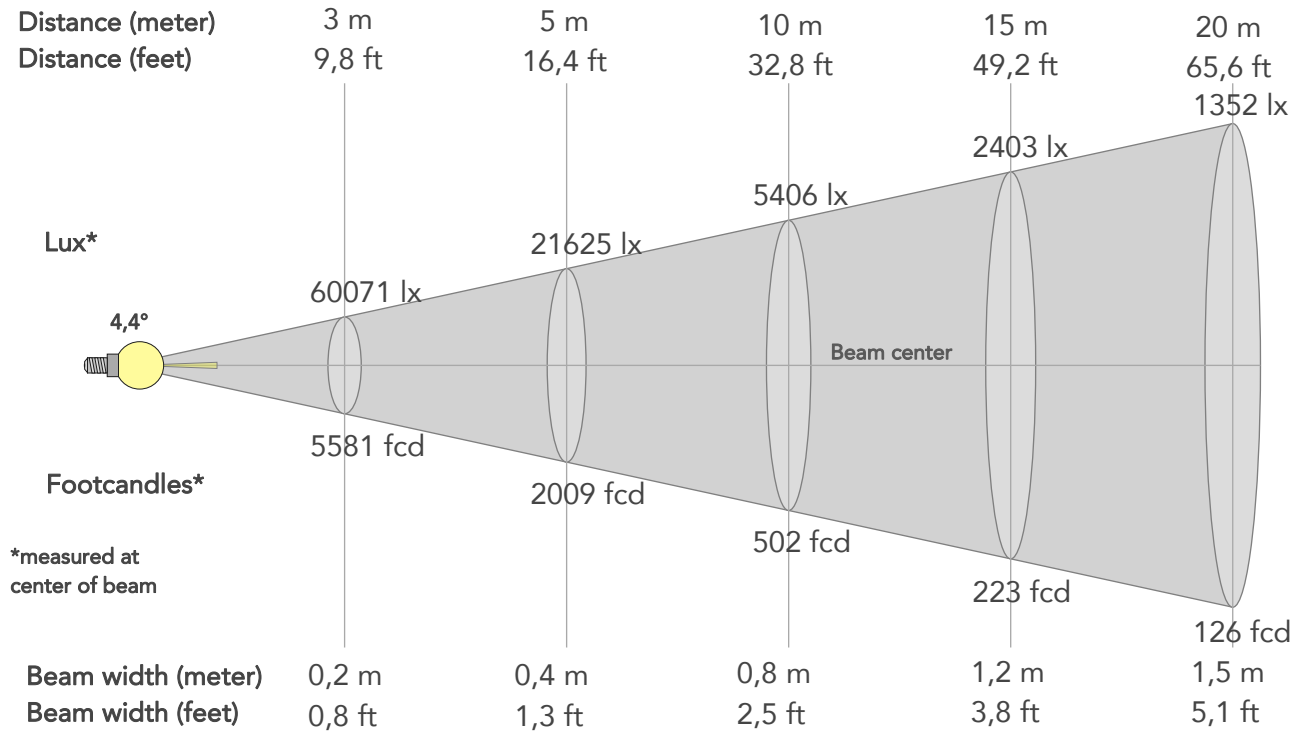
Rg 122,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	61	20%	-4%
2	77	11%	-9%
3	83	8%	-4%
4	88	3%	6%
5	76	11%	10%
6	70	19%	11%
7	70	20%	-1%
8	73	14%	-8%
9	84	5%	-13%
10	86	-2%	-7%
11	82	-3%	11%
12	71	-2%	21%
13	69	5%	28%
14	59	13%	23%
15	61	28%	25%
16	65	20%	1%



BEAM DETAILS

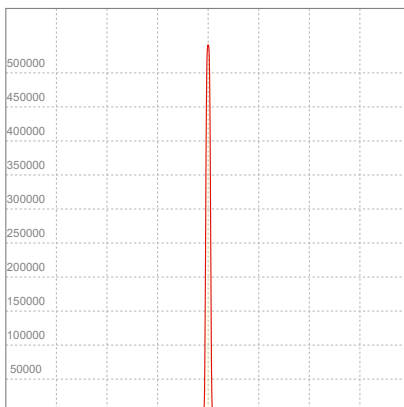
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,4°	6,2°	6,9°	100,0%	100,0%



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	540637lx	135159lx	60071lx	33790lx	21625lx	9611lx	5406lx	2403lx	1352lx	865lx	601lx	338lx	216lx
Footcand.	50227fcd	12557fcd	5581fcd	3139fcd	2009fcd	893fcd	502fcd	223fcd	126fcd	80fcd	56fcd	31fcd	20fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,5m	1,9m	2,3m	3,1m	3,9m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,5ft	3,8ft	5,1ft	6,3ft	7,6ft	10,1ft	12,7ft

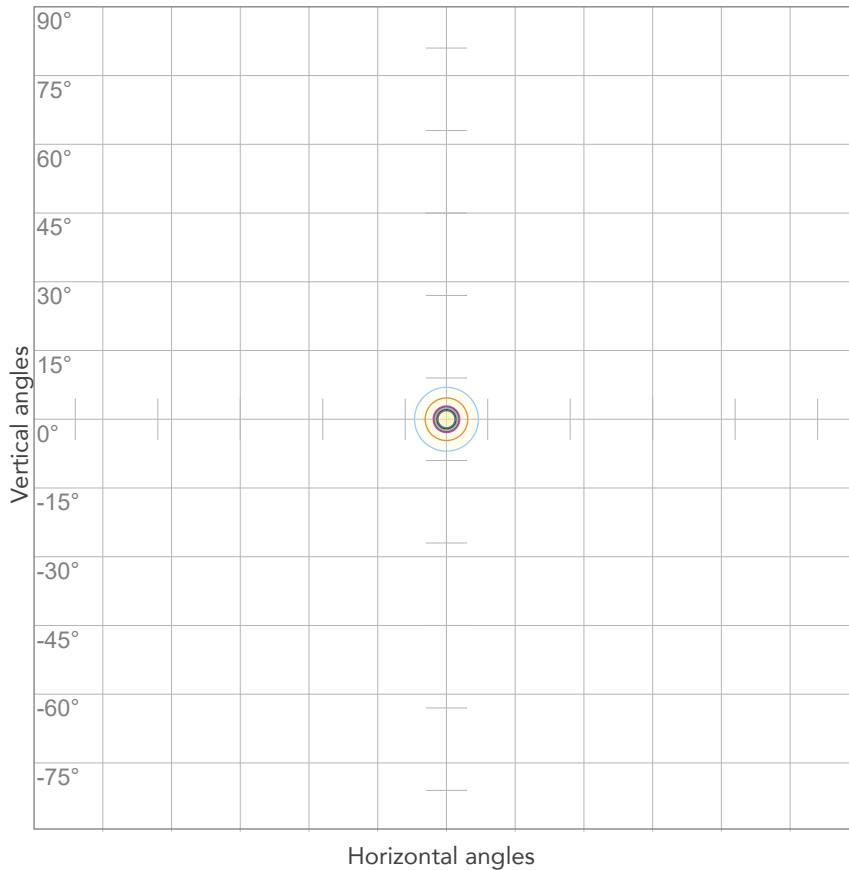
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,03A	220,8W	12lm/W

ISO CANDELA DIAGRAM



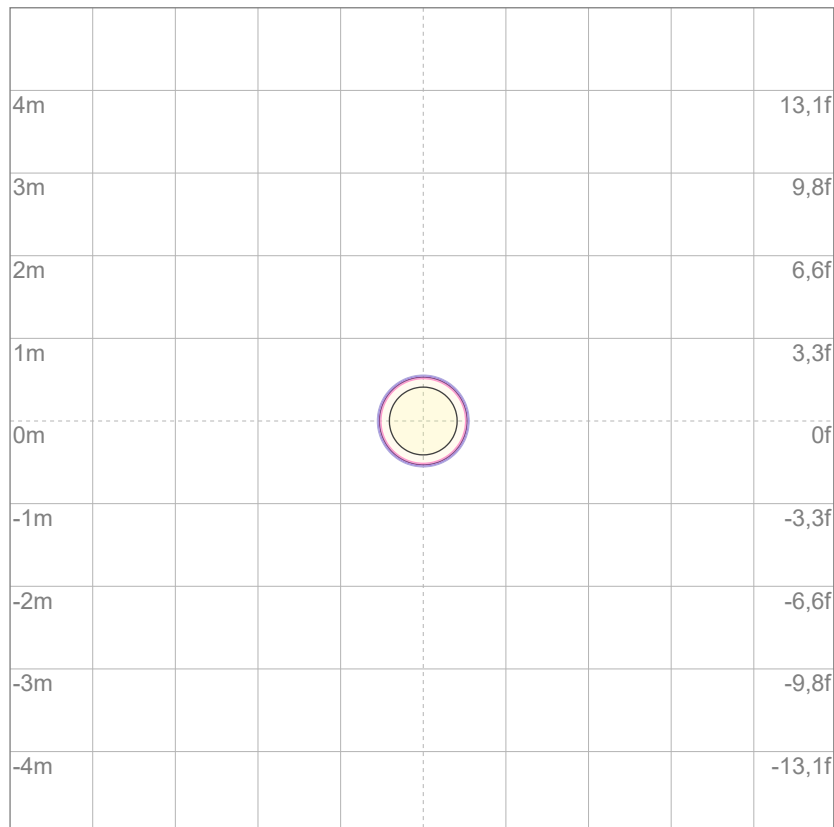
10%	54064 cd
20%	108127 cd
30%	162191 cd
40%	216255 cd
50%	270318 cd
60%	324382 cd
70%	378446 cd
80%	432510 cd

Conditions:

Number of c-planes: 2

Candela at center: 540637 cd

ISO LUX DIAGRAM



3%	162 lx
5%	270 lx
10%	541 lx
30%	1622 lx
50%	2703 lx

Conditions:

Number of c-planes: 2

Lux at center: 5406 lx

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