

Report No.: 52.10019 ECO Downlight

Test Time: 2023-09-13 14:15

## Luminaire Property

Luminaire Category: Bridgelux F90 V13C 3000K CRI90

Voltage: 222.8 V

Current: 0.129 A

Power: 28.00 W

Power Factor: 0.963

## Photometric Results

CIE Class: Direct

Measurement Flux: 3613 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H23.6

Vertical Diffuse Angle(50%): V23.6

Luminaire Efficacy Rating (LER): 129

Max. Intensity: 18250.58 cd

Total Rated Lamp Lumens: 3613.0 lm

Efficiency: 100%

Upward Ratio: 0%

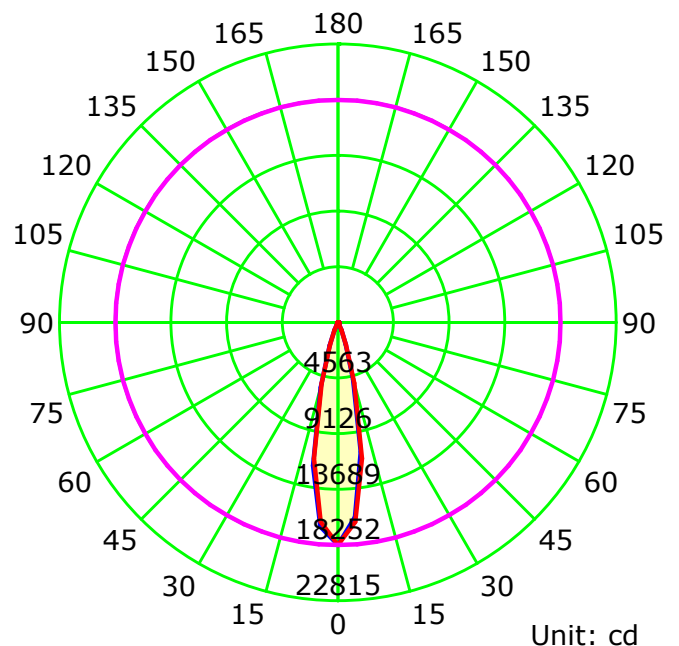
Central Intensity: 18250.57 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G0

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

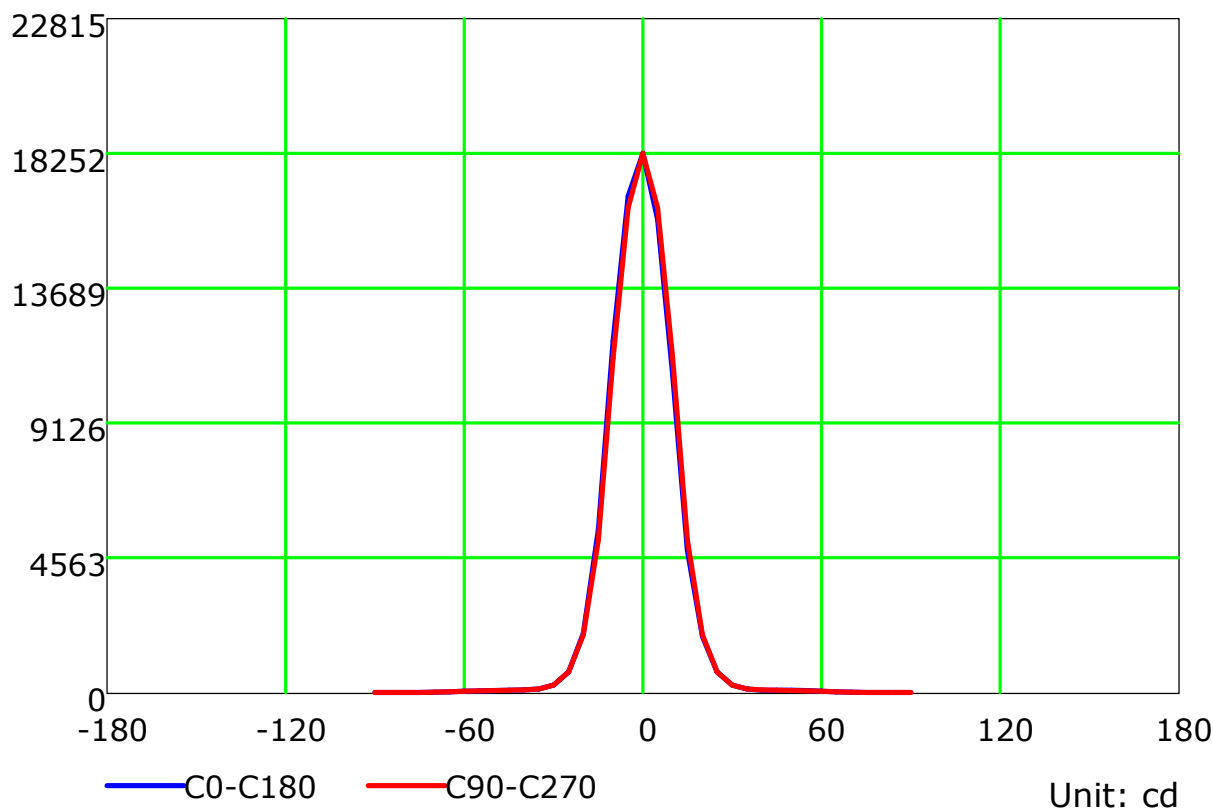
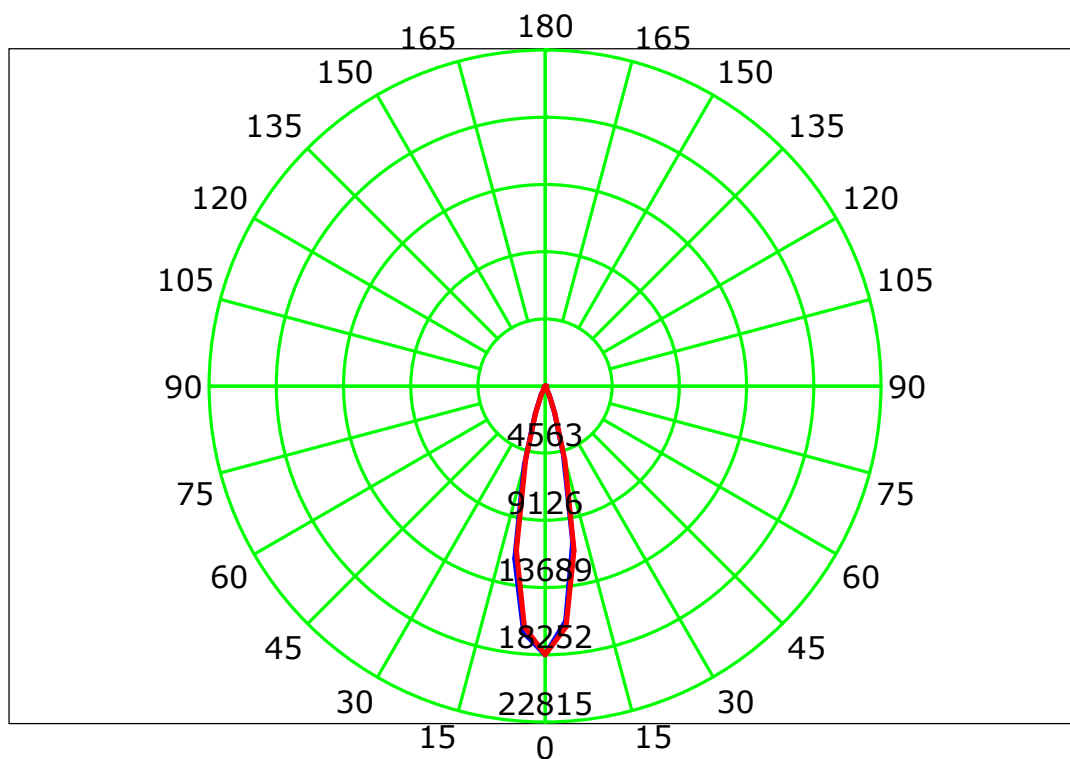
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

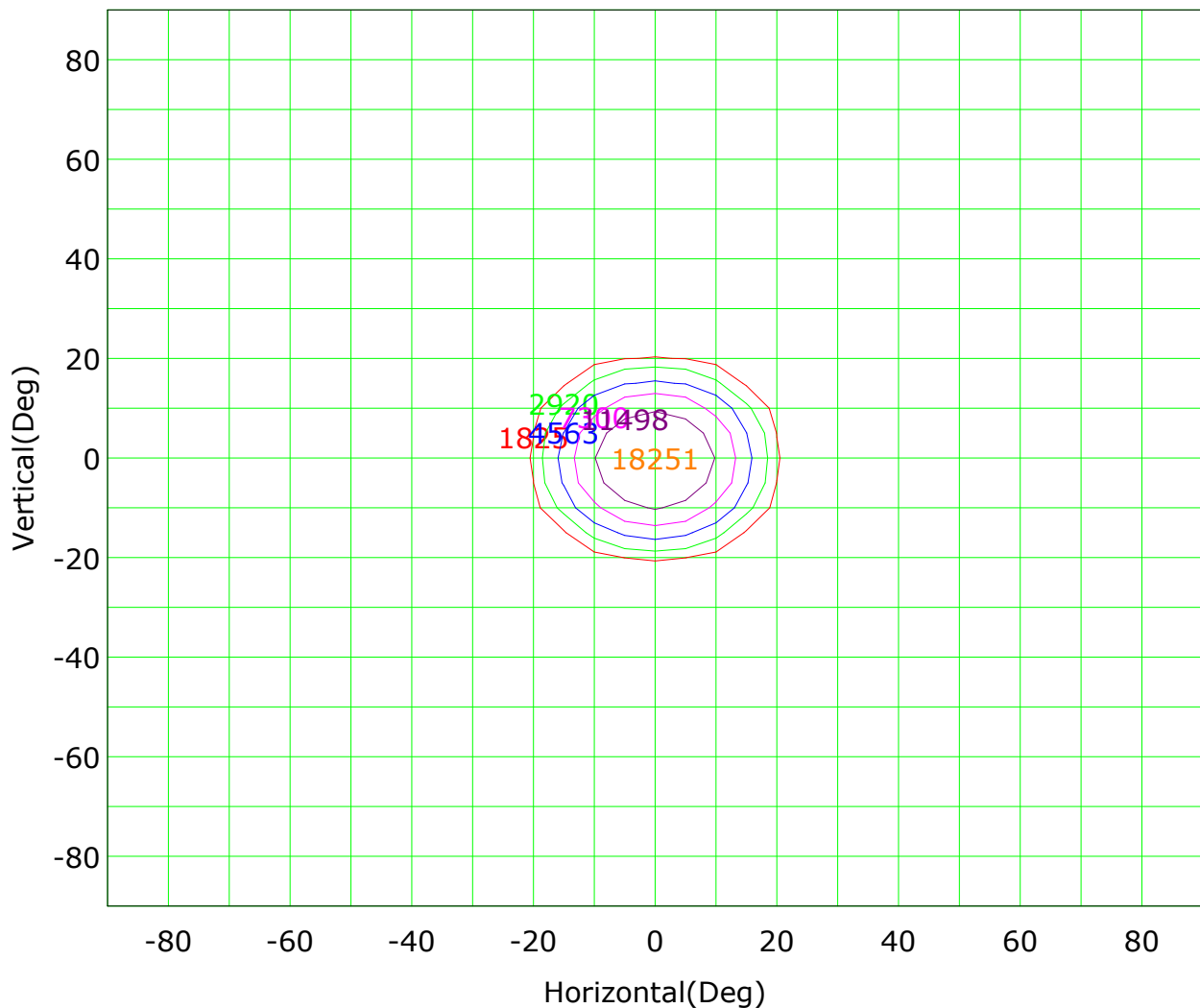
## Luminous Intensity Distribution Curve



C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:5.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 18251 cd

( 10%): 1825 cd	( 16%): 2920 cd
( 25%): 4563 cd	( 40%): 7300 cd
( 63%): 11498 cd	(100%): 18251 cd

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

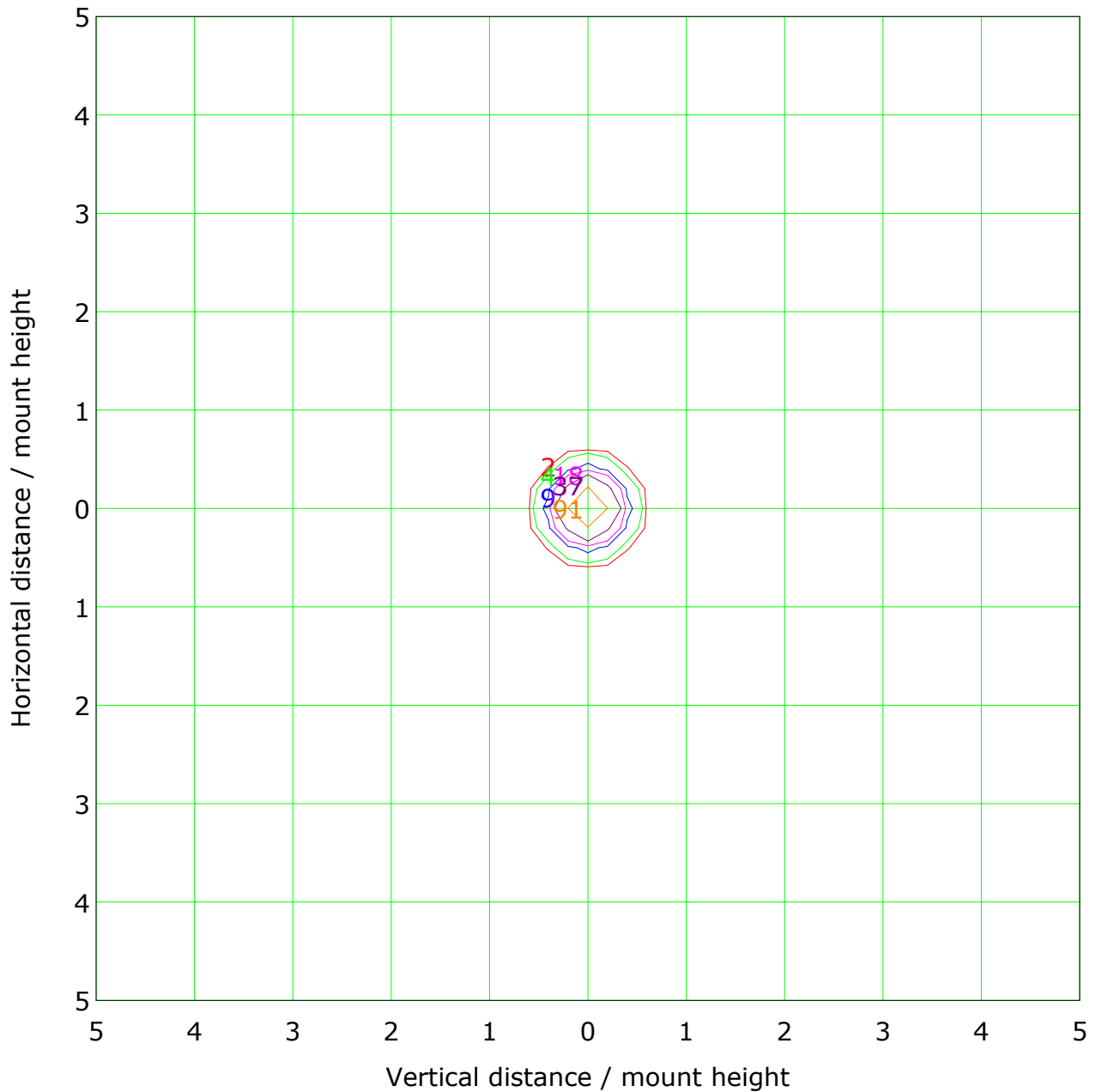
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

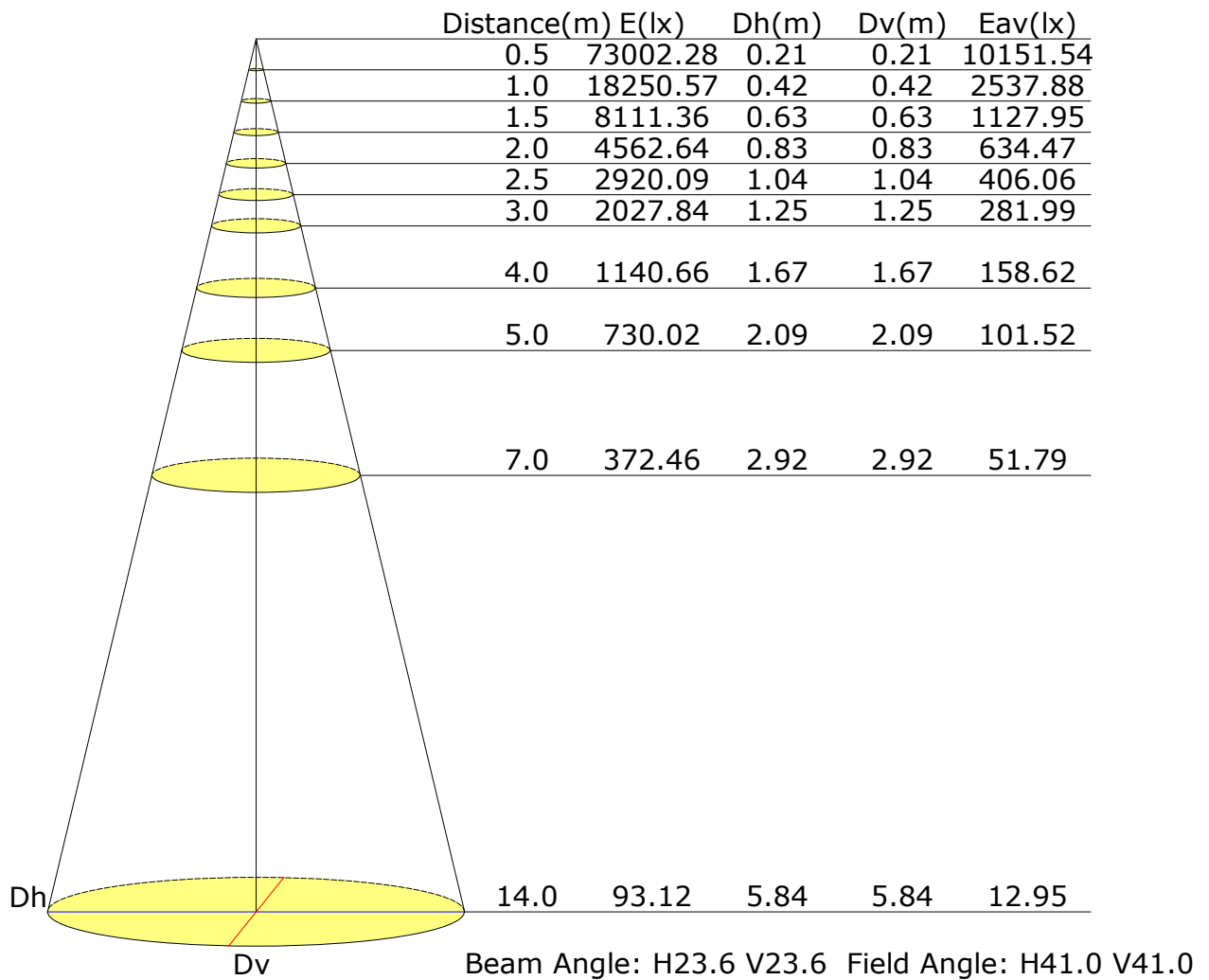


Mounting Height: 10m		Max Lux(100%): 183 lx	
( 1%):	2 lx	( 2%):	4 lx
( 5%):	9 lx	( 10%):	18 lx
( 20%):	37 lx	( 50%):	91 lx
(100%):	183 lx		

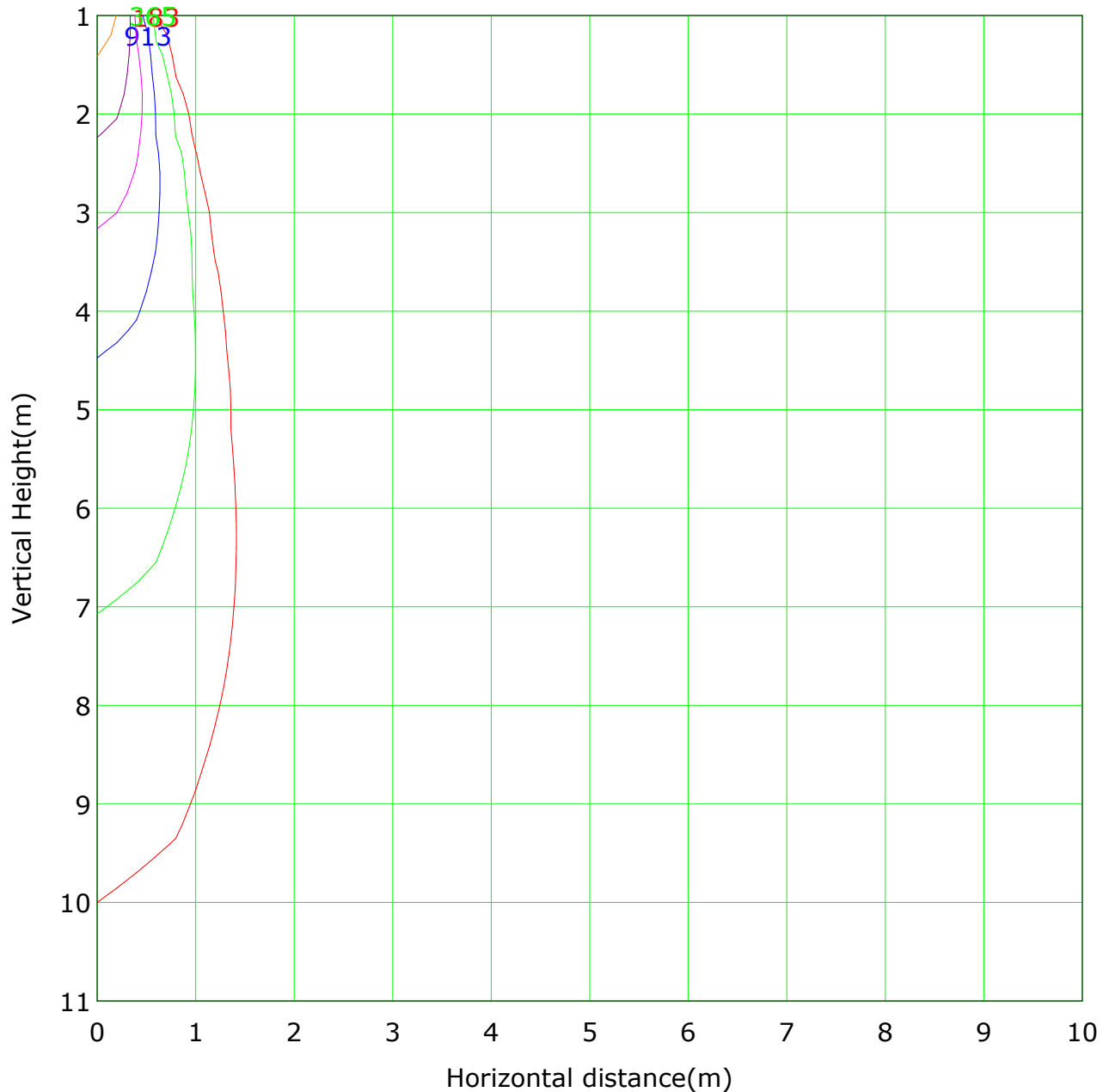
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:5.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

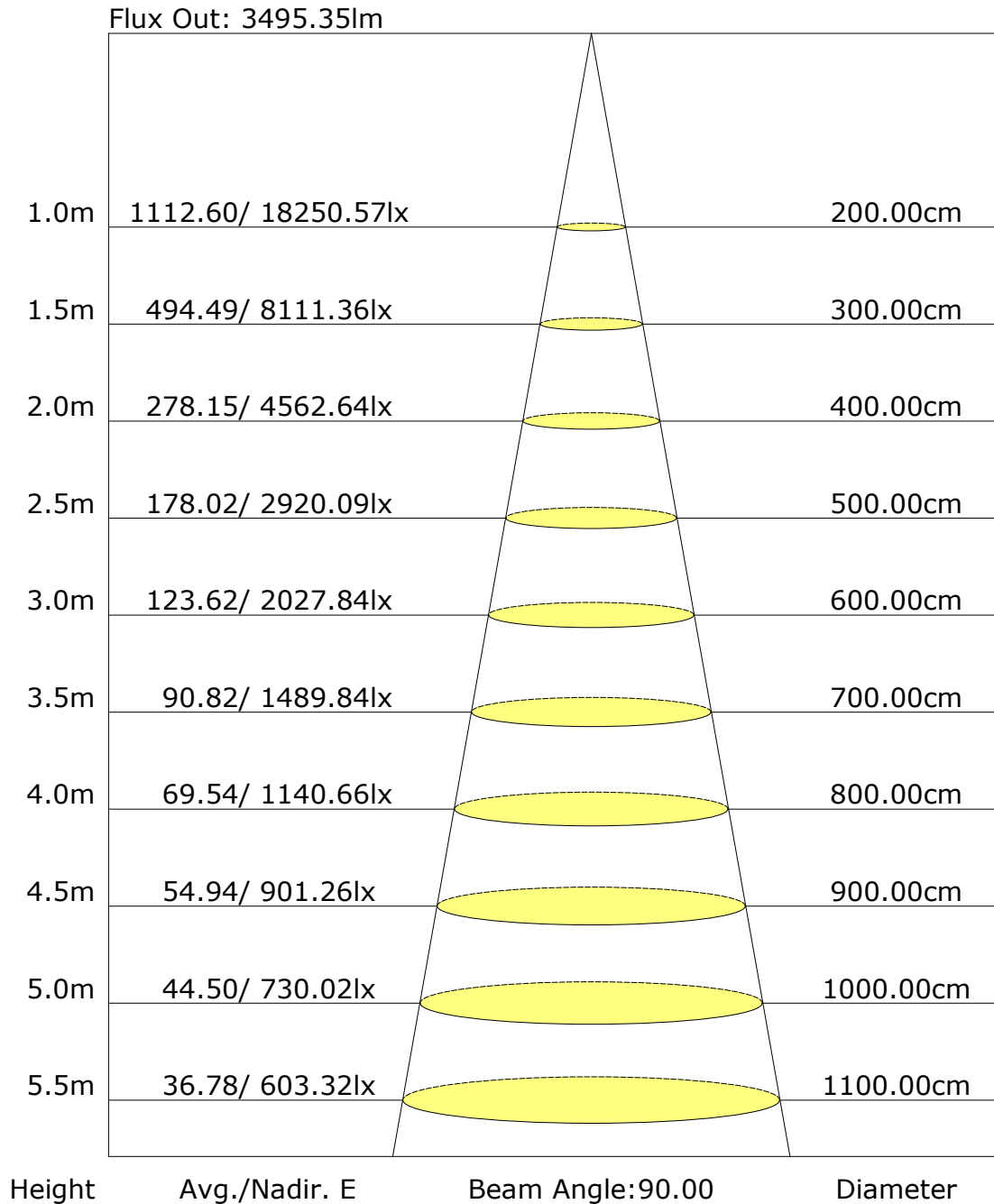


Lowest(m): 1m    Highest(m): 11    Max Lux: 18251  
— ( 1%): 183 lx                      — ( 2%): 365 lx  
— ( 5%): 913 lx                        — ( 10%): 1825 lx  
— ( 20%): 3650 lx                      — ( 50%): 9125 lx  
— (100%): 18251 lx

C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:5.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector:

## The average illuminance effective figure



C Plane (°): 0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°): 0.0-90.0: 5.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector:

Gamma Plane (°):0.0-90.0:5.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector:



## Unit: cd

Gamma Plane (°):0.0-90.0:5.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector: