

Report No.: 56.05525 FOS Downlight

Test Time: 2023-09-19 17:20

## Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 221.8 V

Current: 0.112 A

Power: 24.30 W

Power Factor: 0.975

## Photometric Results

CIE Class: Direct

Measurement Flux: 2678.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17.1

Vertical Diffuse Angle(50%): V17.1

Luminaire Efficacy Rating (LER): 110

Max. Intensity: 22580.23 cd

Total Rated Lamp Lumens: 2678.6 lm

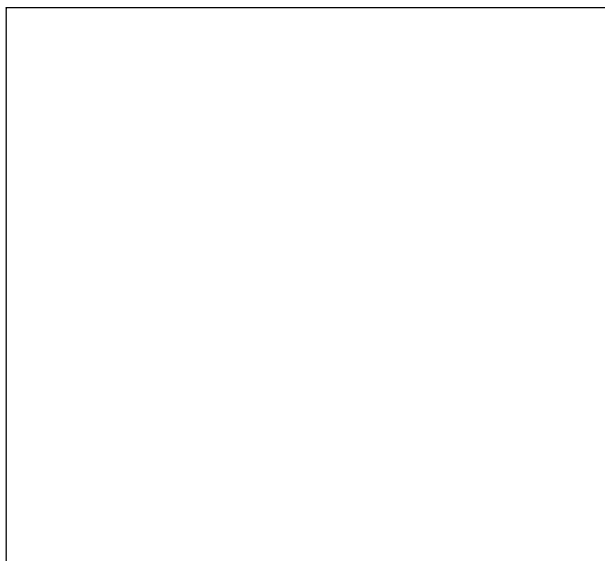
Efficiency: 100%

Upward Ratio: 0%

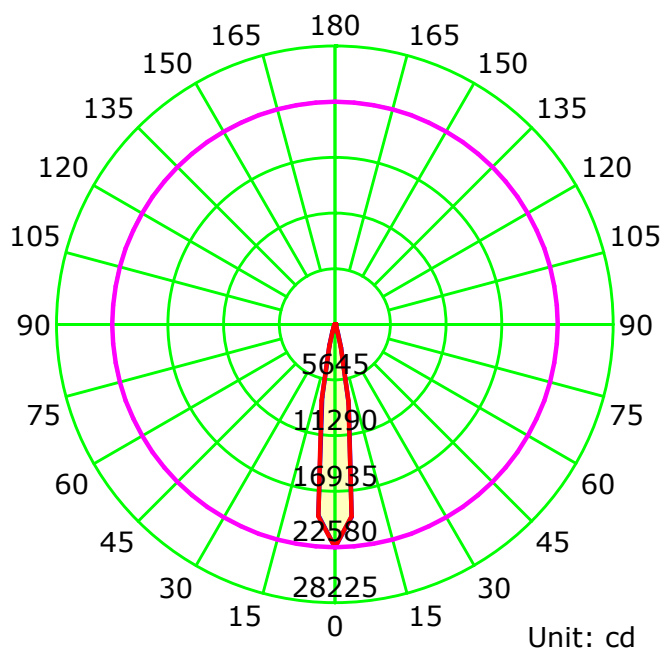
Central Intensity: 22580.22 cd

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

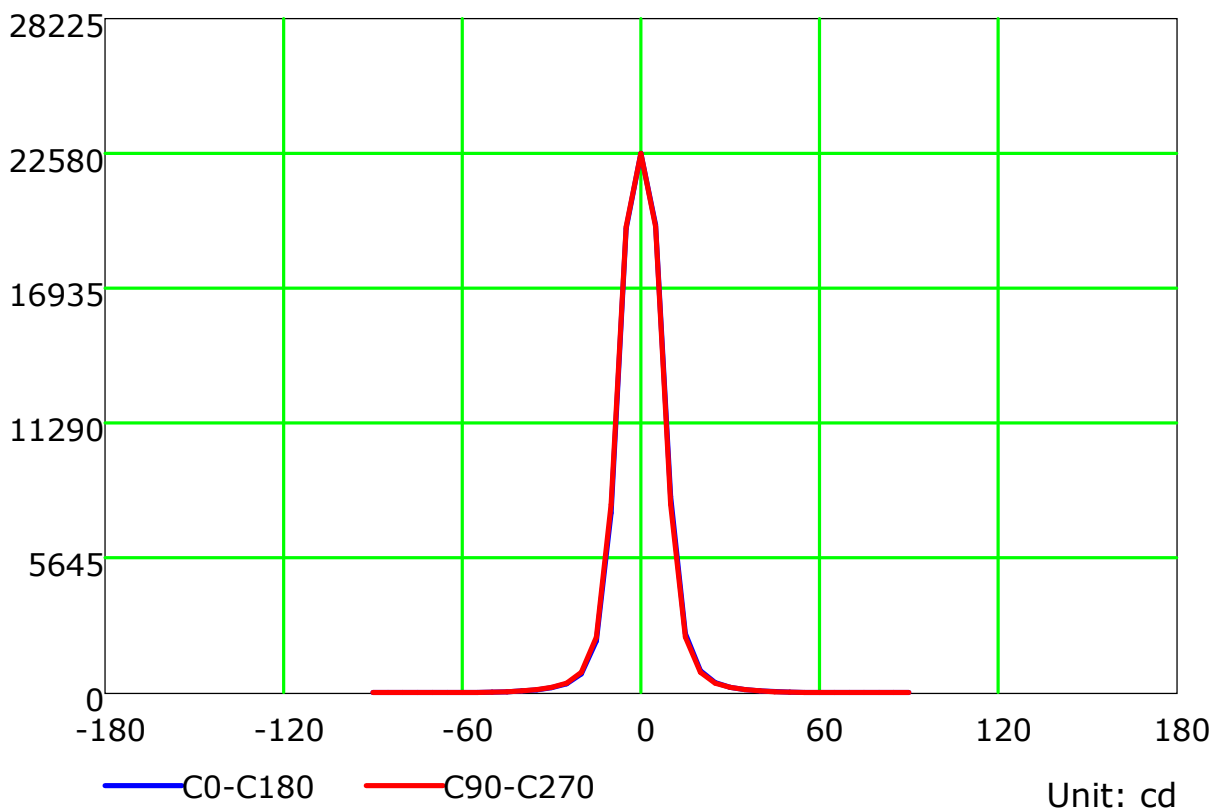
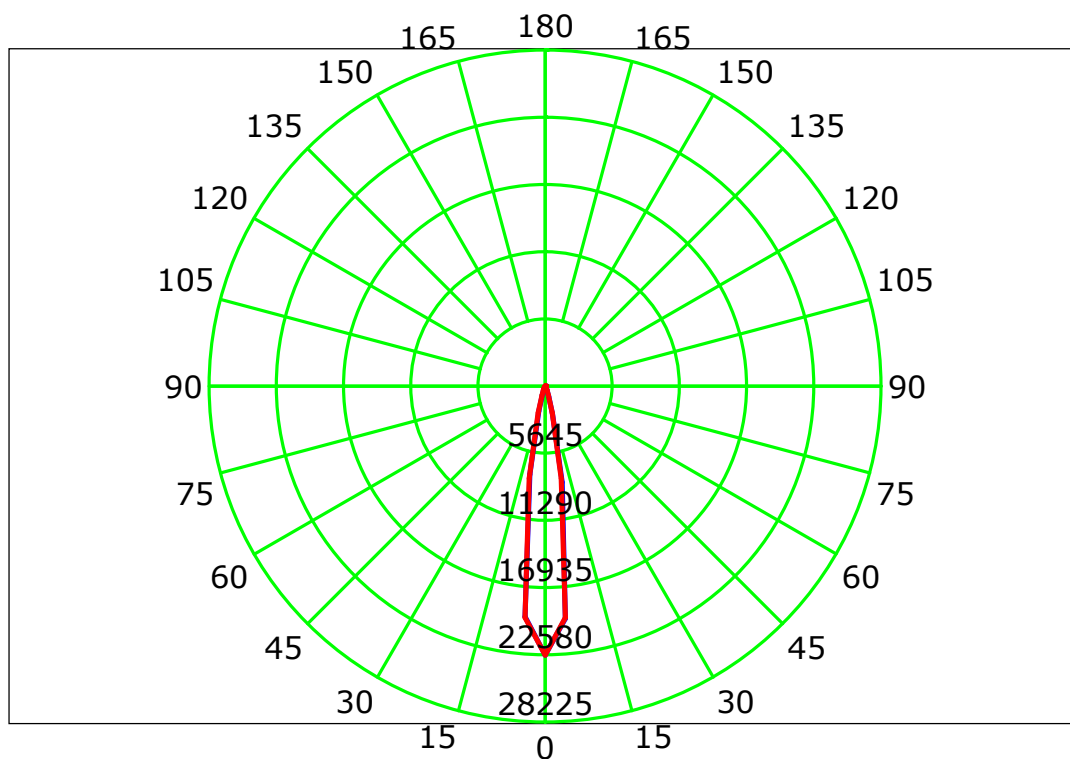
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

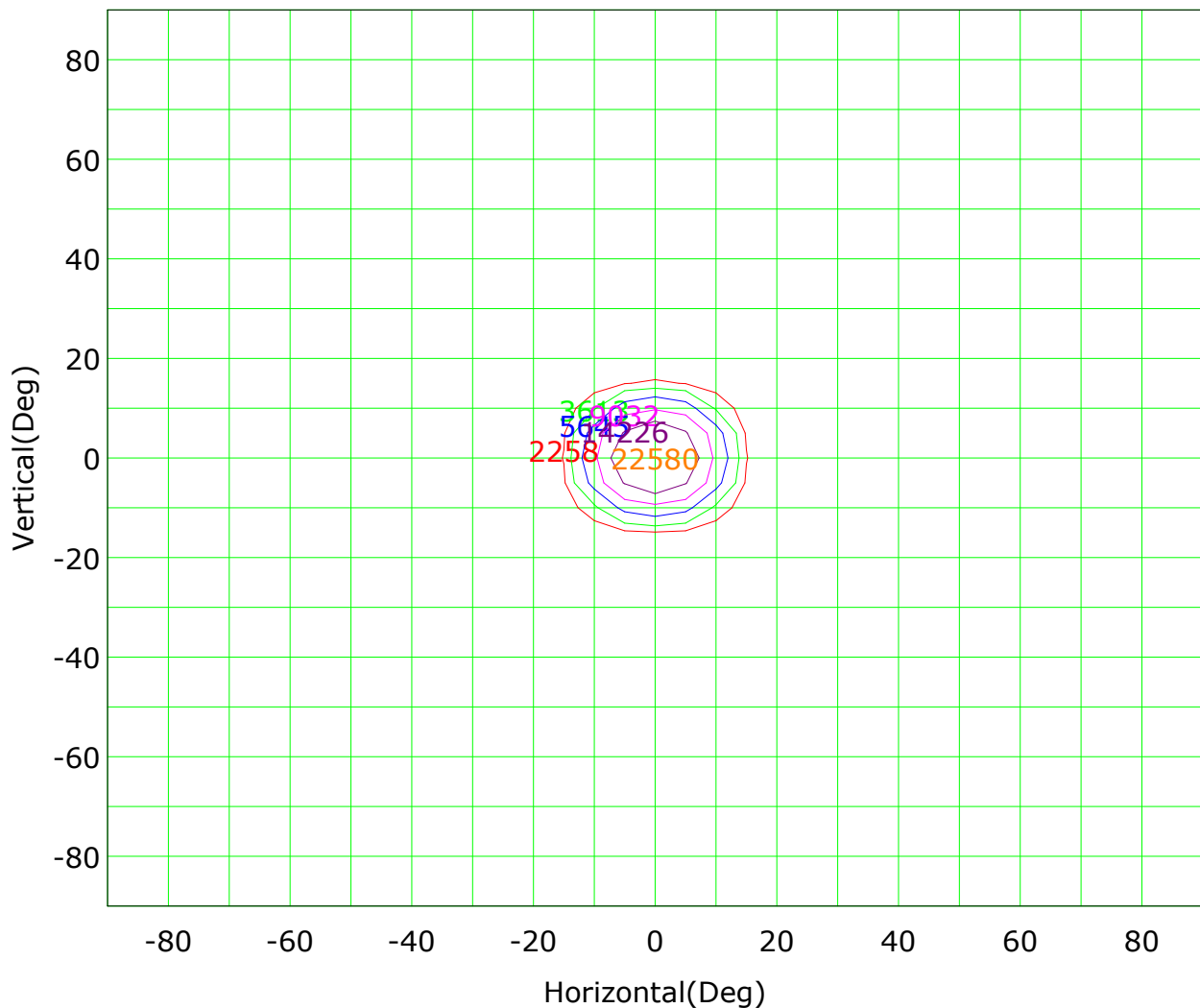
## Luminous Intensity Distribution Curve



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%): 22580 cd

( 10%): 2258 cd	( 16%): 3613 cd
( 25%): 5645 cd	( 40%): 9032 cd
( 63%): 14226 cd	(100%): 22580 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

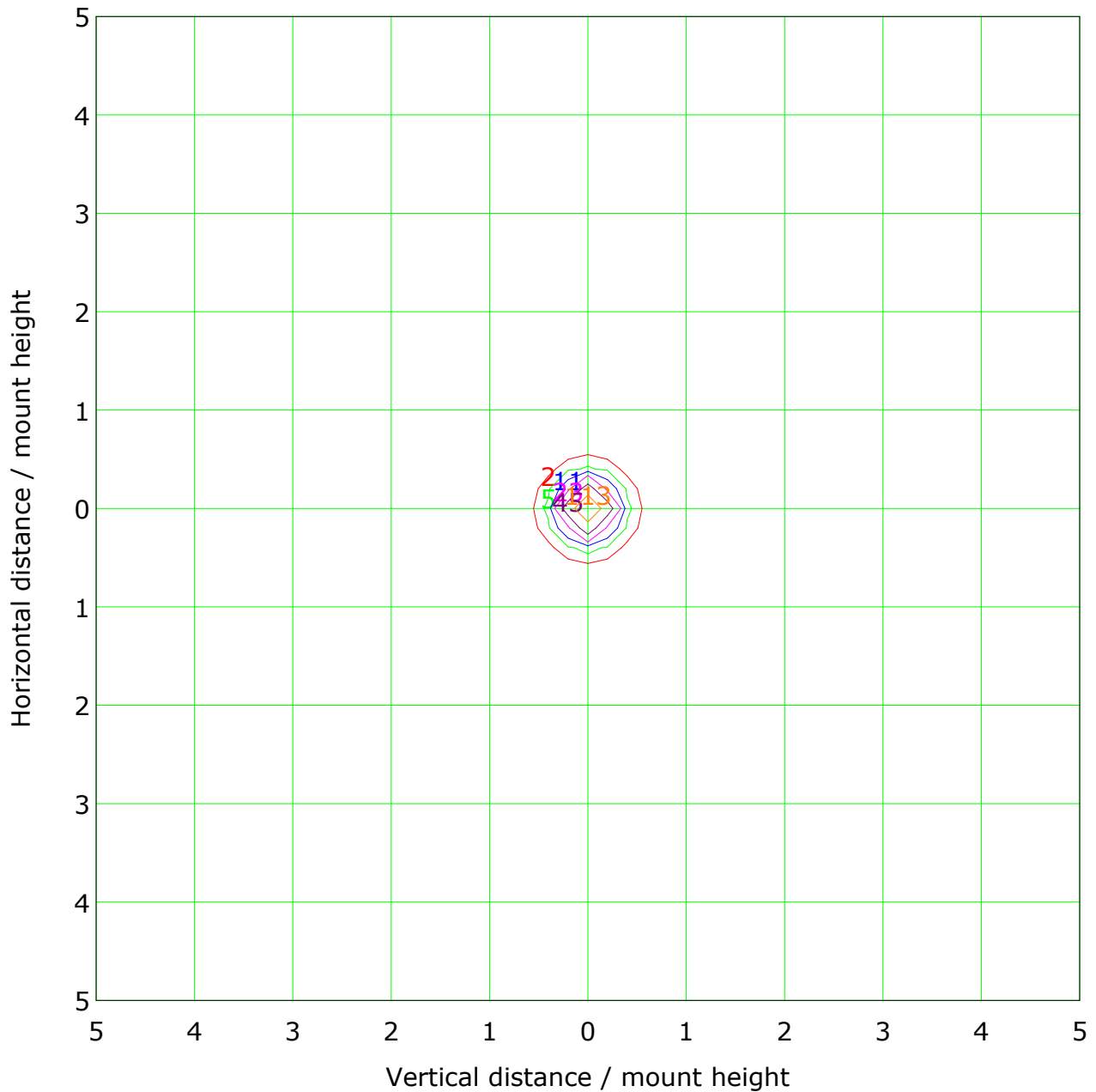
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



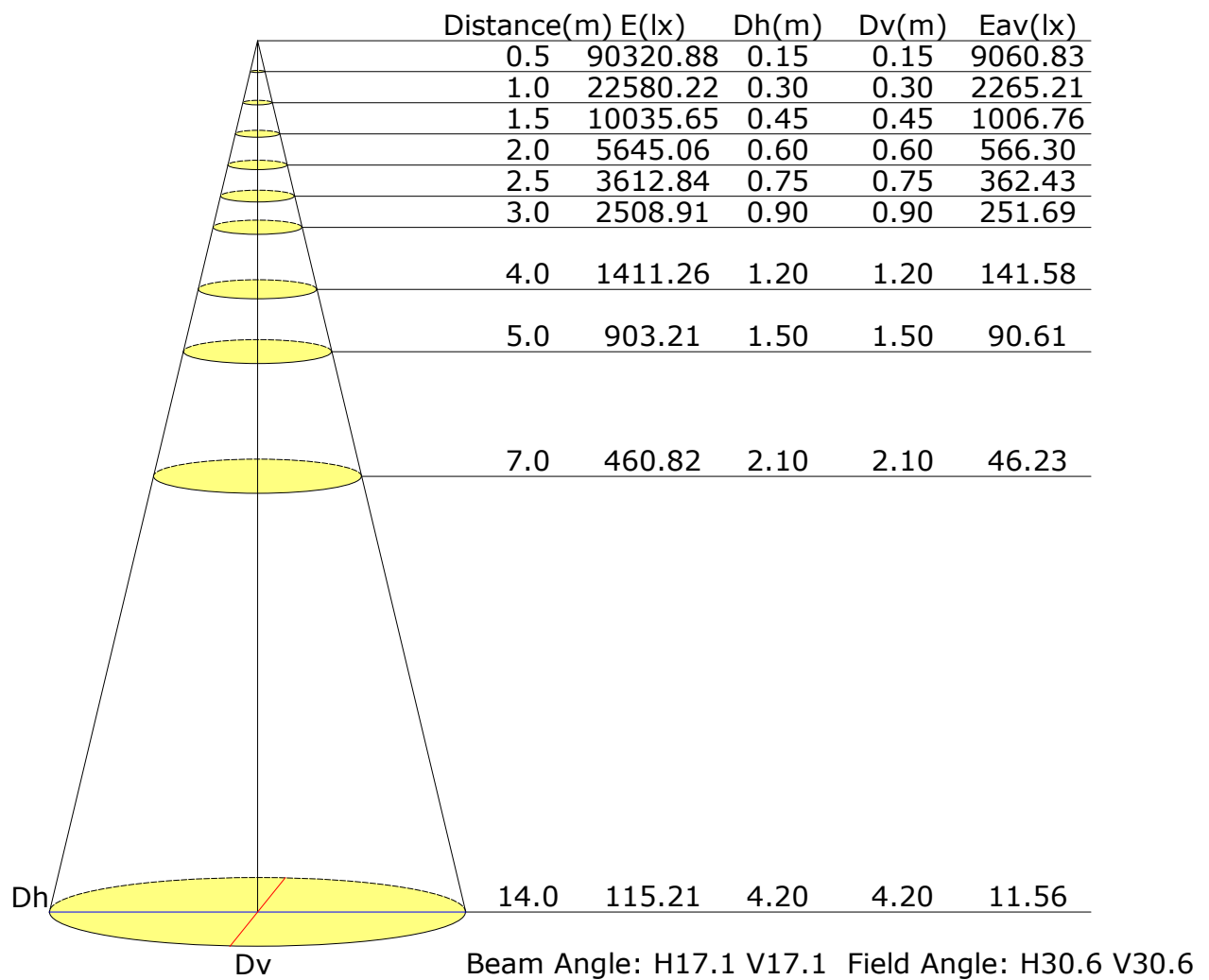
Mounting Height: 10m    Max Lux(100%): 226 lx

( 1%):    2 lx	( 2%):    5 lx
( 5%):    11 lx	( 10%):    23 lx
( 20%):    45 lx	( 50%):    113 lx
(100%):    226 lx	

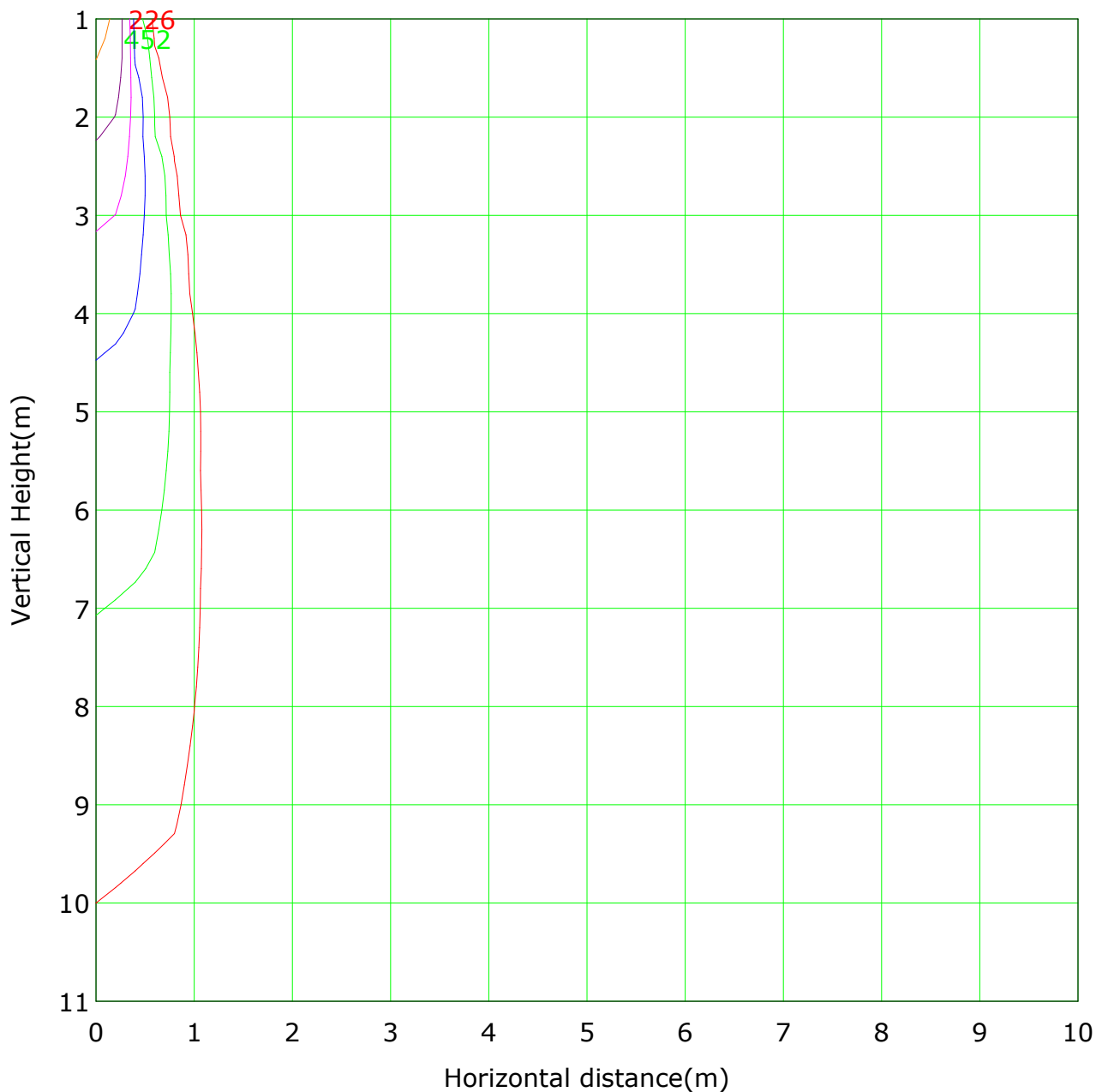
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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

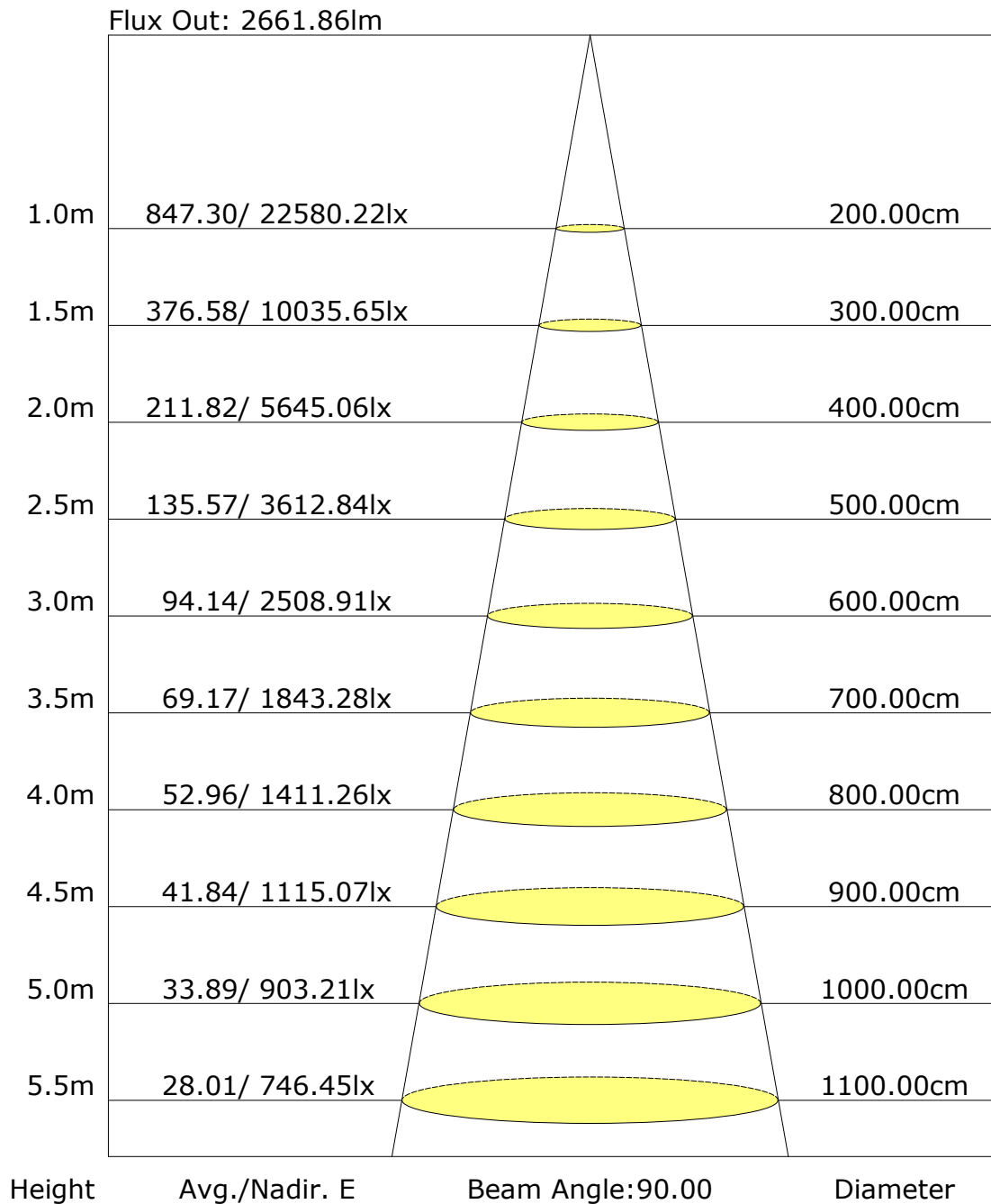


Lowest(m): 1m    Highest(m): 11    Max Lux: 22580  
— ( 1%): 226 lx    — ( 2%): 452 lx  
— ( 5%): 1129 lx    — ( 10%): 2258 lx  
— ( 20%): 4516 lx    — ( 50%): 11290 lx  
— (100%): 22580 lx

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: