

Report No.: 93.08011

Test Time: 2023-10-04 11:44

## Luminaire Property

Luminaire Category: Bridgelux V13C F90 3000K CRI90

Voltage: 222.7 V

Current: 0.144 A

Power: 30.90 W

Power Factor: 0.960

## Photometric Results

CIE Class: Direct

Measurement Flux: 3773.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H18.6

Vertical Diffuse Angle(50%): V18.6

Luminaire Efficacy Rating (LER): 122

Max. Intensity: 27069.92 cd

Total Rated Lamp Lumens: 3773.6 lm

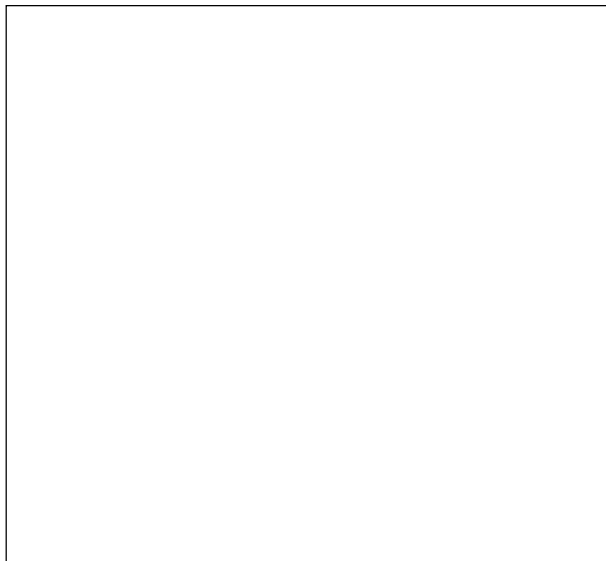
Efficiency: 100%

Upward Ratio: 0%

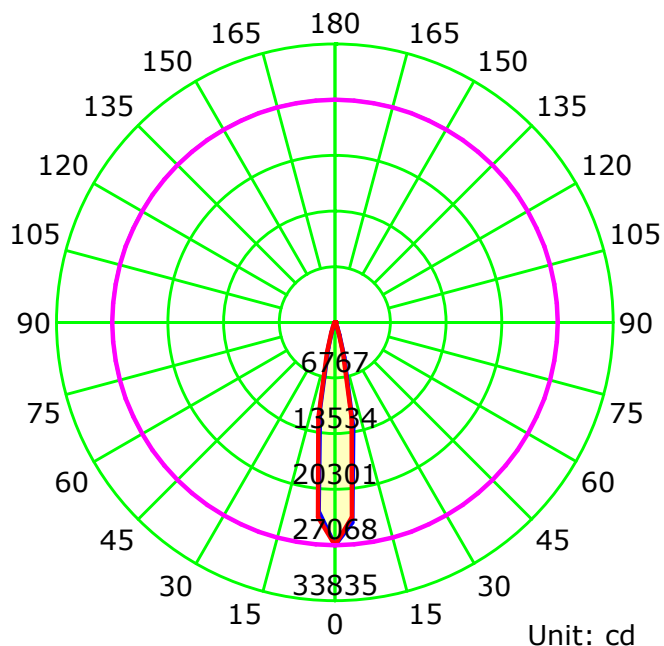
Central Intensity: 27069.92 cd

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

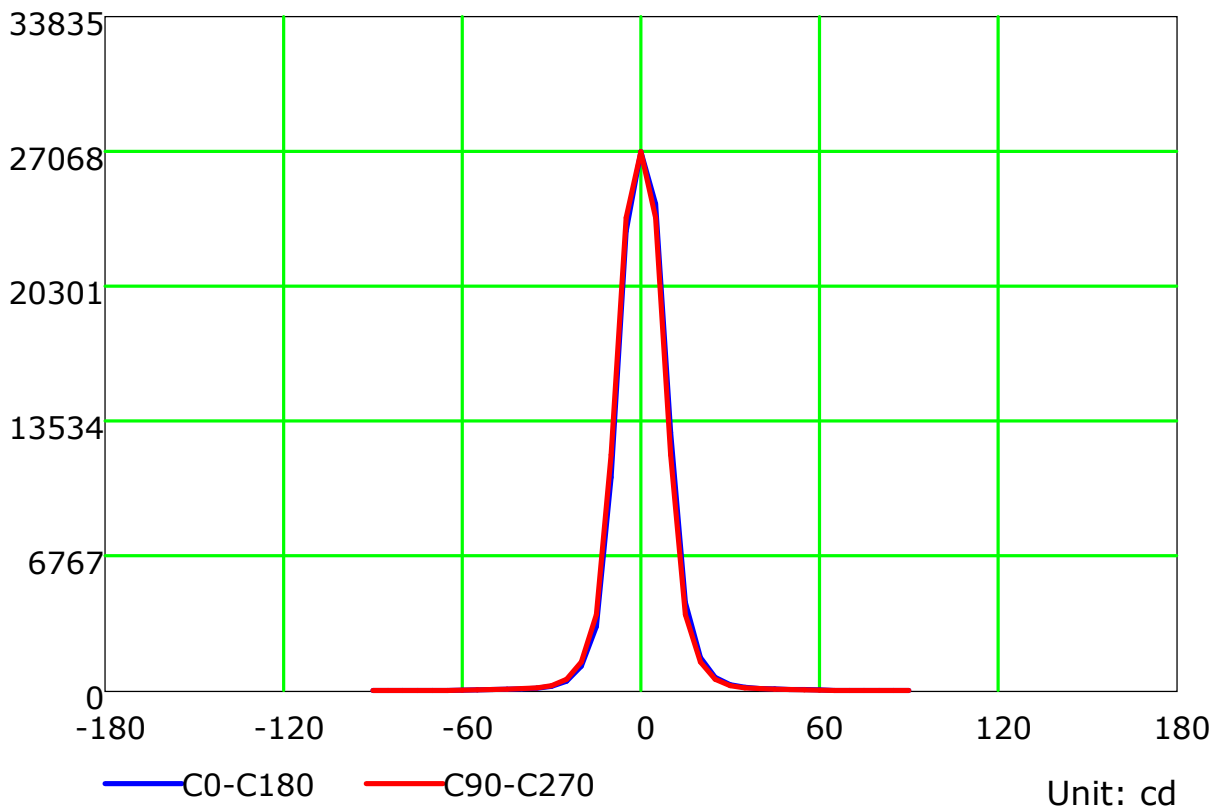
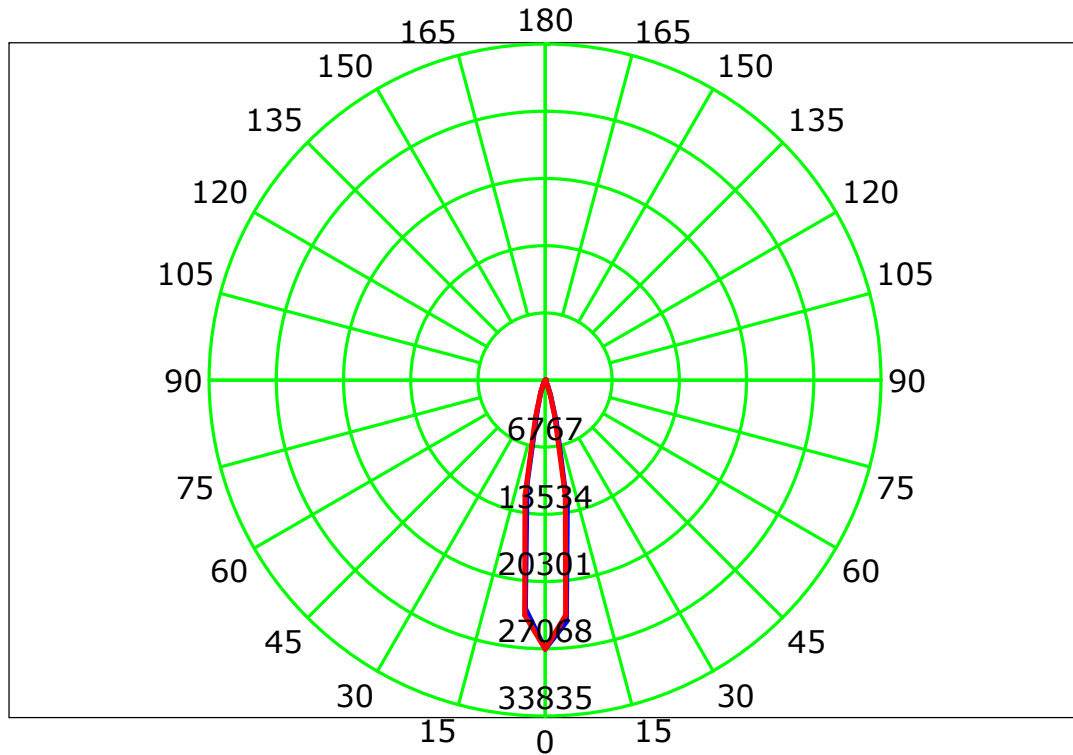
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

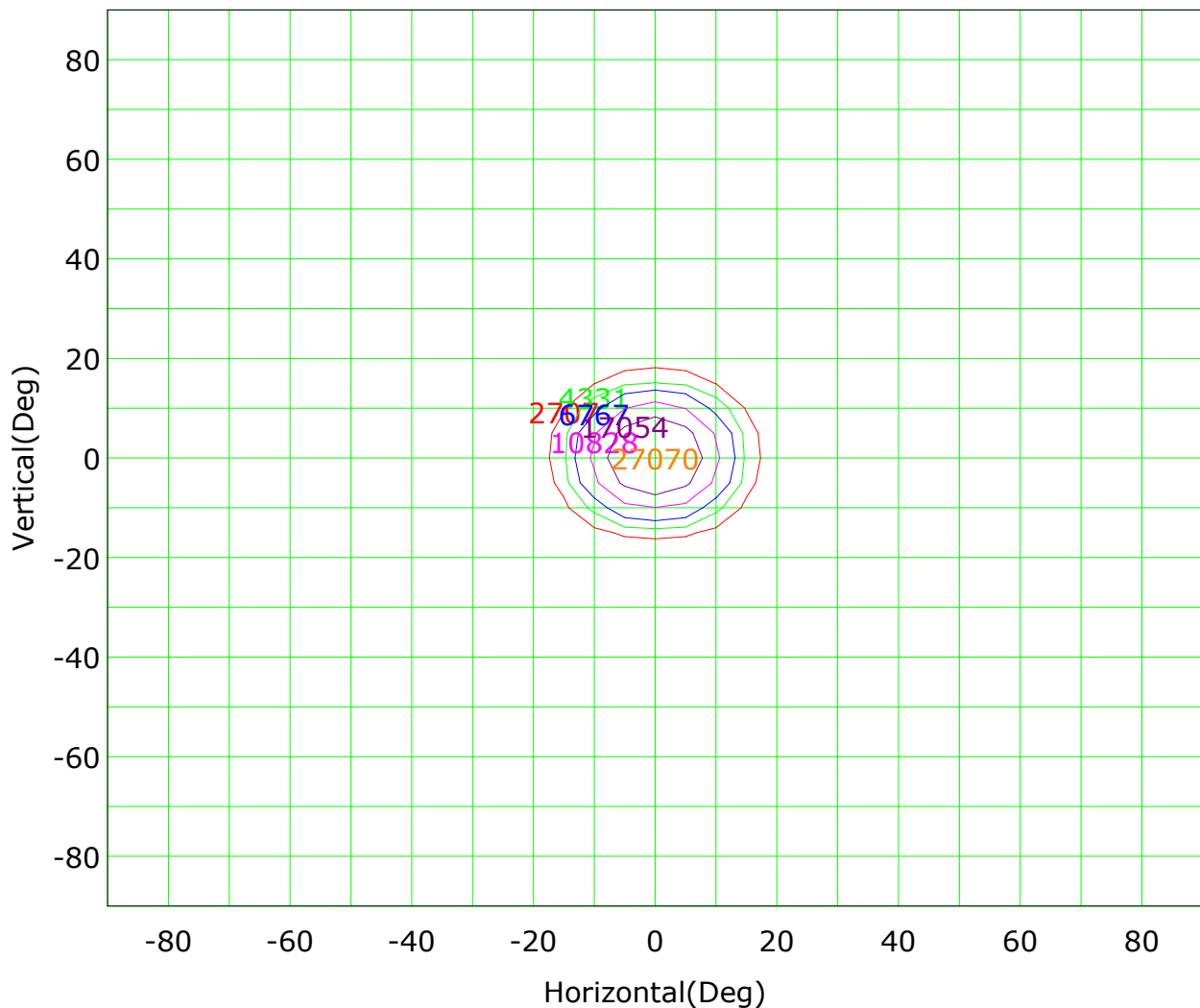
## Luminous Intensity Distribution Curve



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%): 27070 cd

( 10%): 2707 cd	( 16%): 4331 cd
( 25%): 6767 cd	( 40%): 10828 cd
( 63%): 17054 cd	(100%): 27070 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

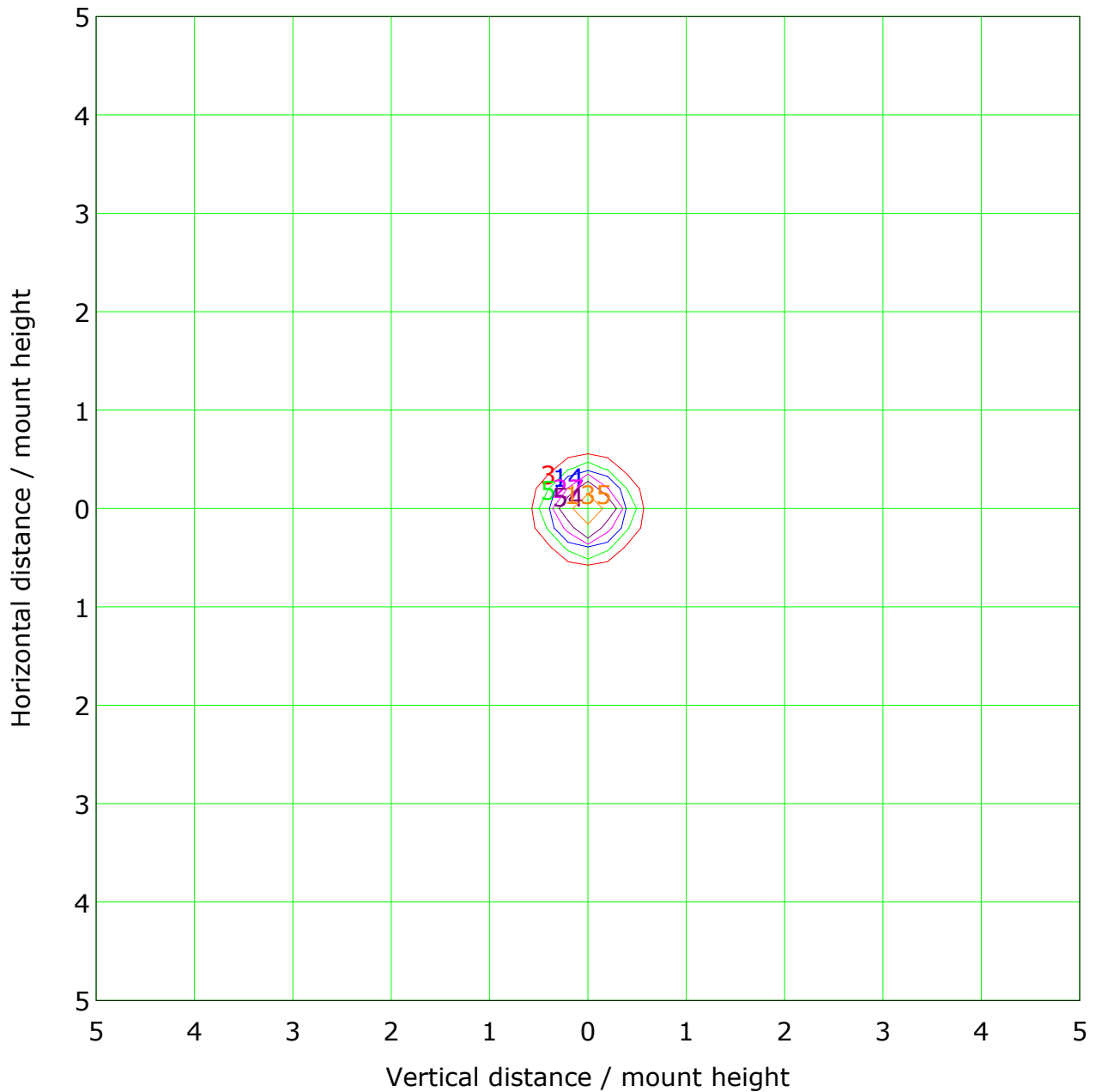
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



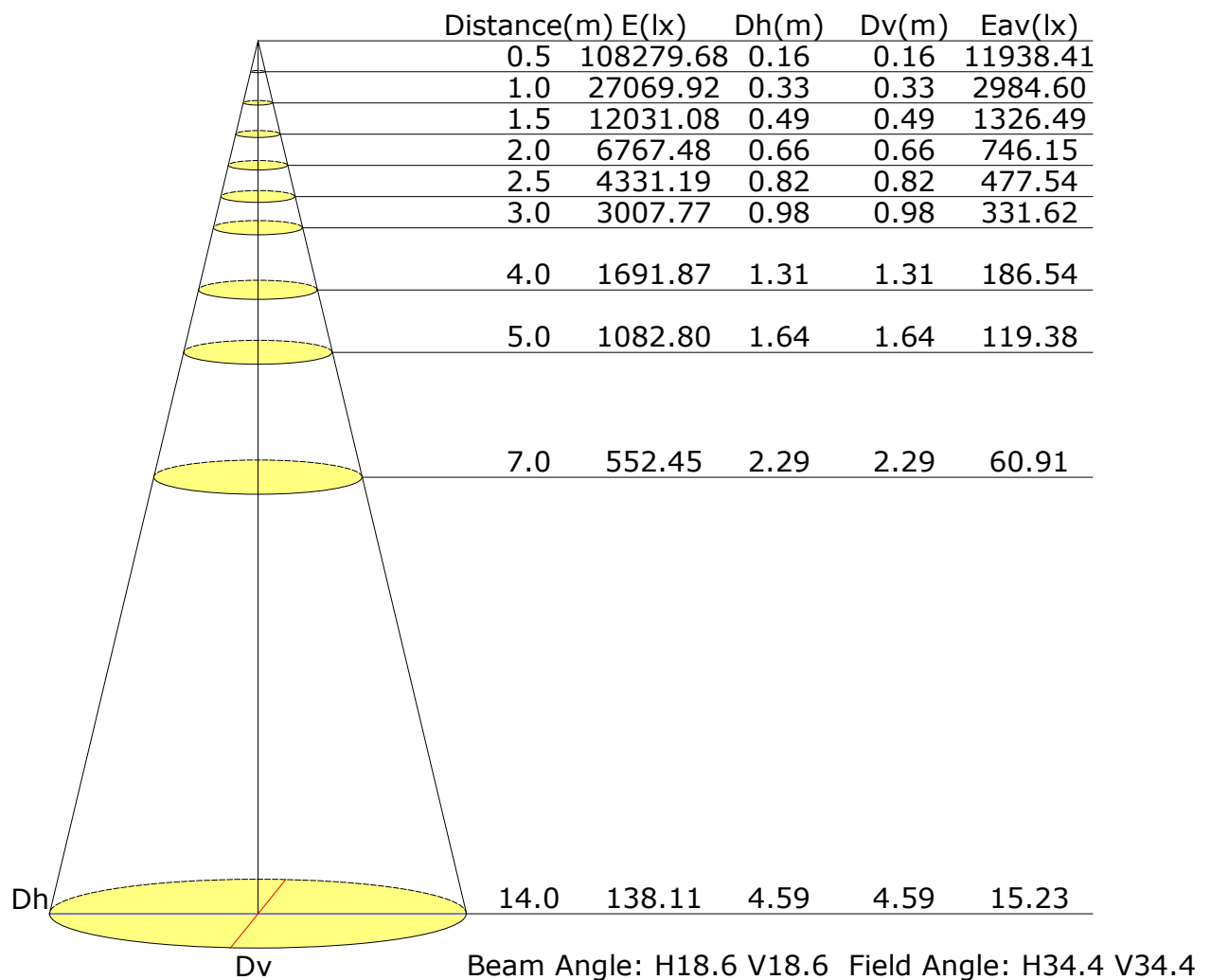
Mounting Height: 10m    Max Lux(100%): 271 lx

( 1%):    3 lx	( 2%):    5 lx
( 5%):    14 lx	( 10%):    27 lx
( 20%):    54 lx	( 50%):    135 lx
(100%):    271 lx	

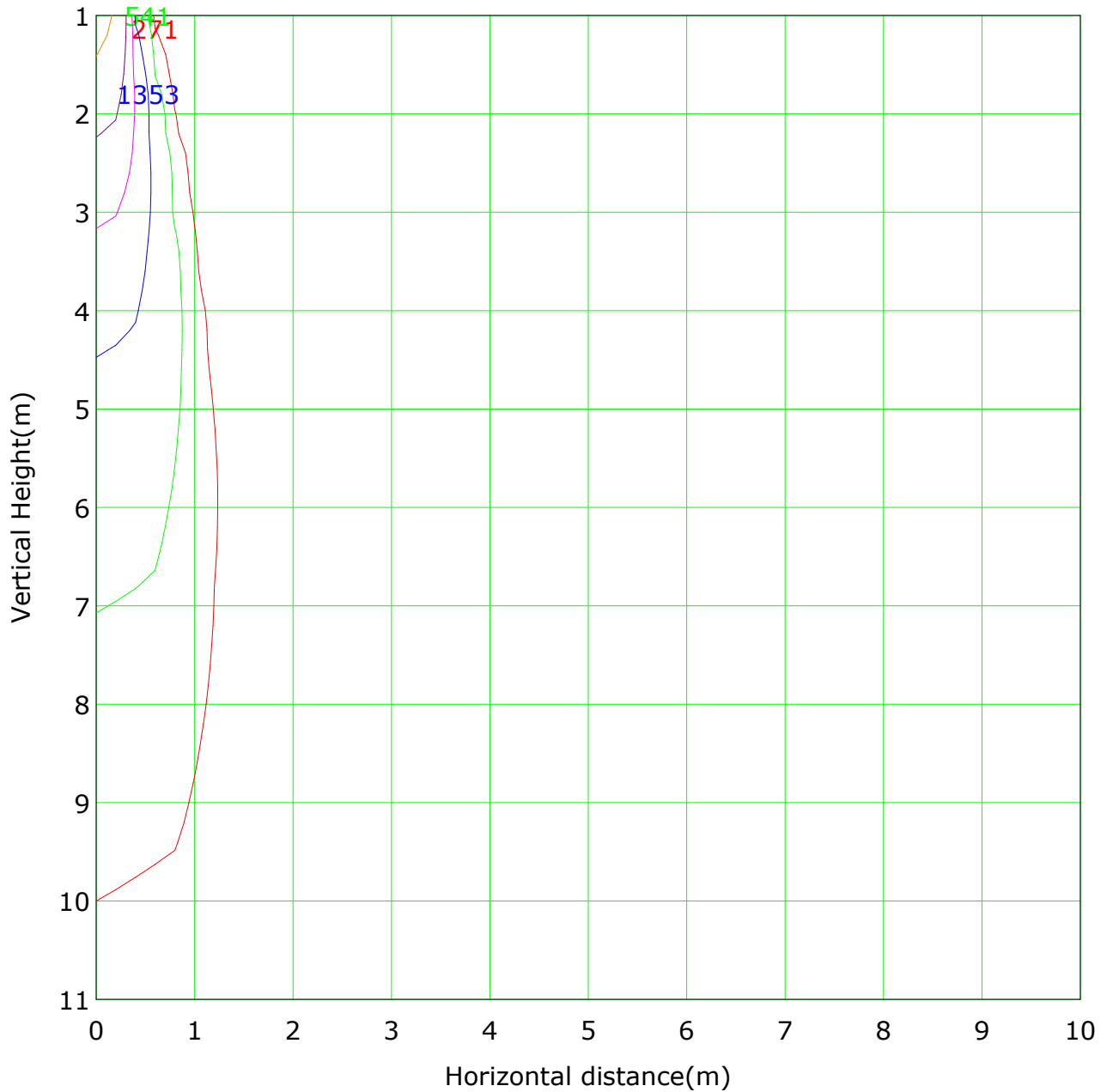
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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

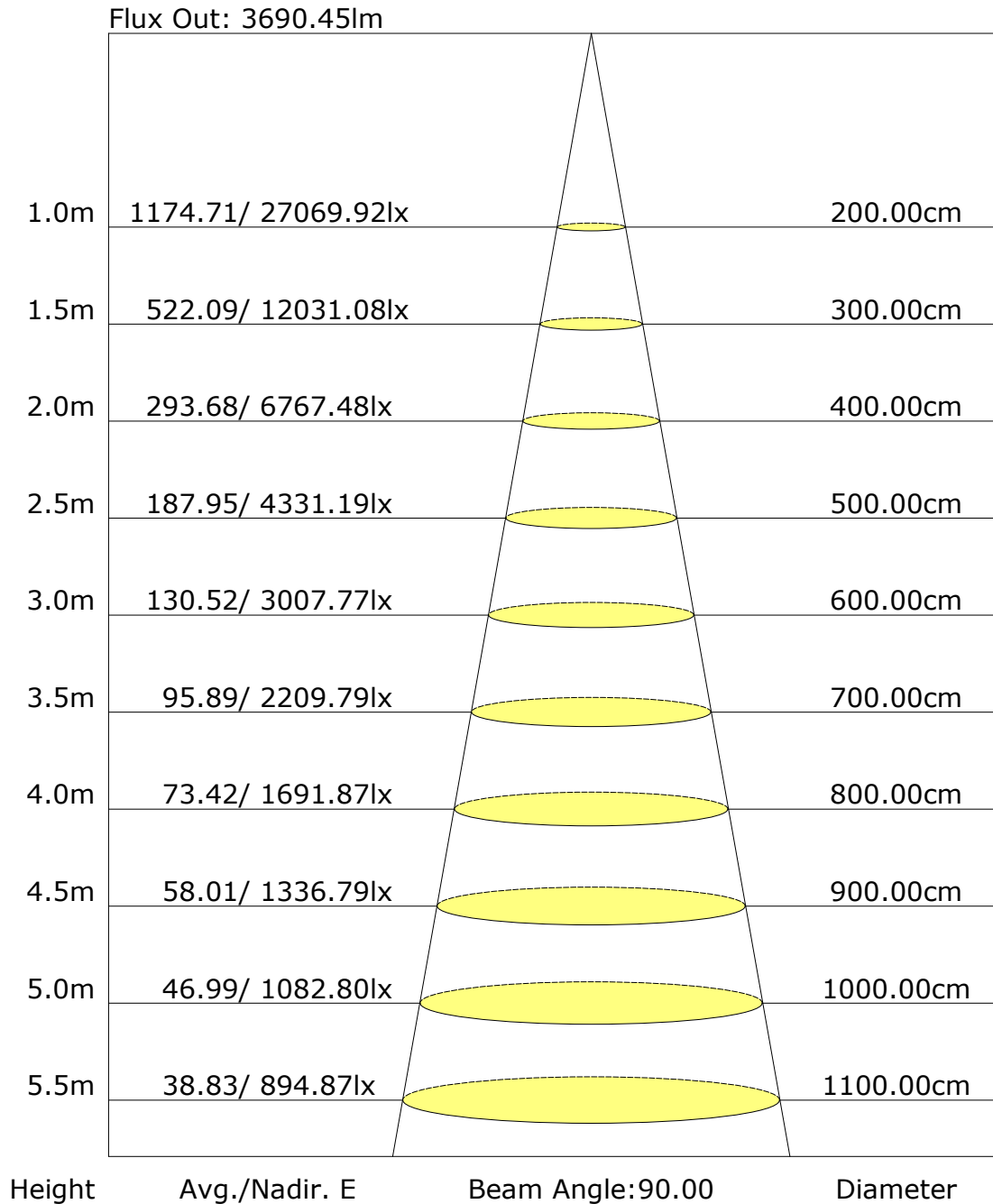


Lowest(m): 1m    Highest(m): 11    Max Lux: 27070  
— ( 1%): 271 lx    — ( 2%): 541 lx  
— ( 5%): 1353 lx    — ( 10%): 2707 lx  
— ( 20%): 5414 lx    — ( 50%): 13535 lx  
— (100%): 27070 lx

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: