

Report No.: 56.02311 NOVAL Recessed Downlight

Test Time: 2023-09-06 16:58

## Luminaire Property

Luminaire Category: Bridgelux V3 3000K CRI90

Voltage: 221.2 V

Current: 0.021 A

Power: 3.80 W

Power Factor: 0.808

## Photometric Results

CIE Class: Direct

Measurement Flux: 164.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H26.3

Vertical Diffuse Angle(50%): V26.3

Luminaire Efficacy Rating (LER): 43

Max. Intensity: 676.31 cd

Total Rated Lamp Lumens: 164.1 lm

Efficiency: 100%

Upward Ratio: 0%

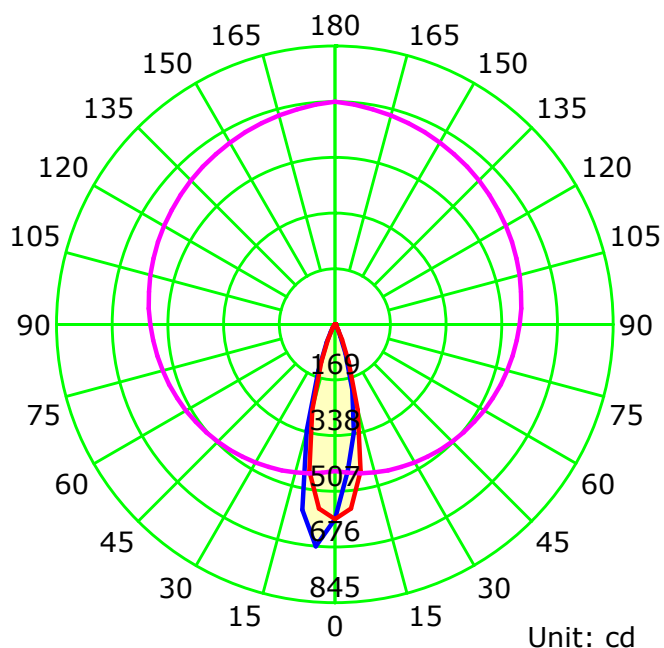
Central Intensity: 591.17 cd

Pos of Max. Intensity: H180 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

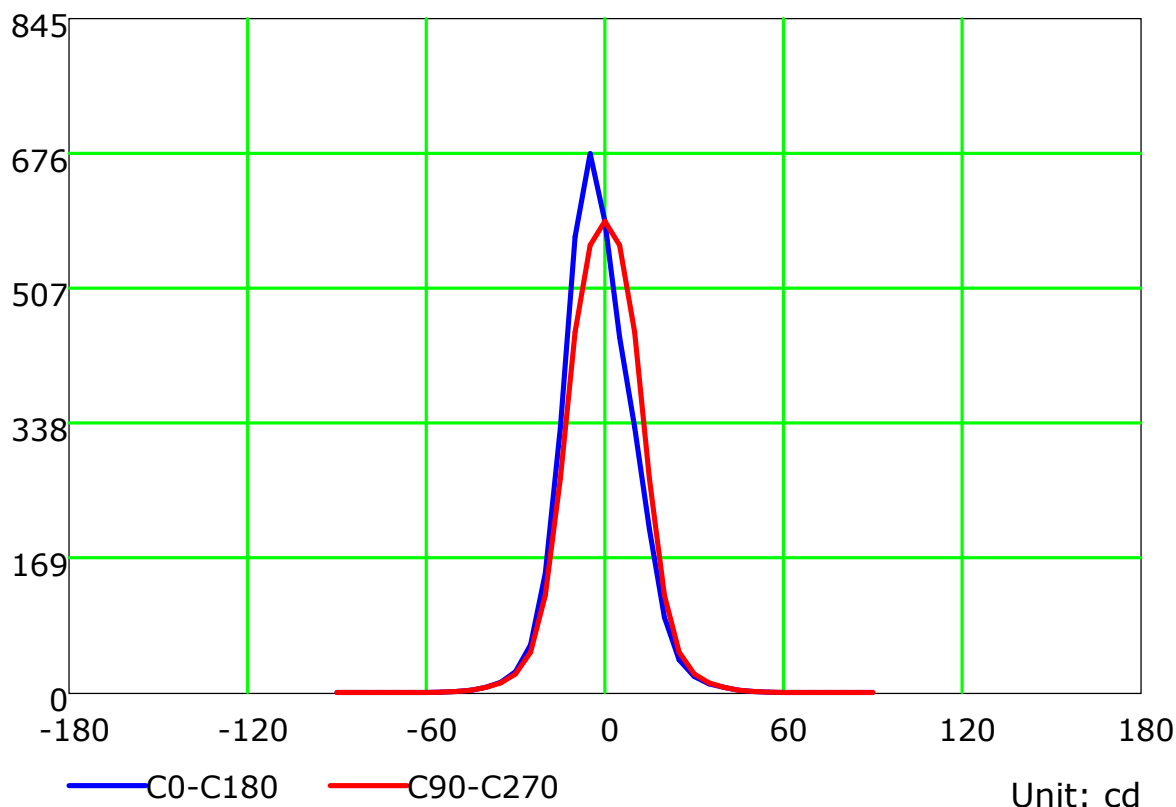
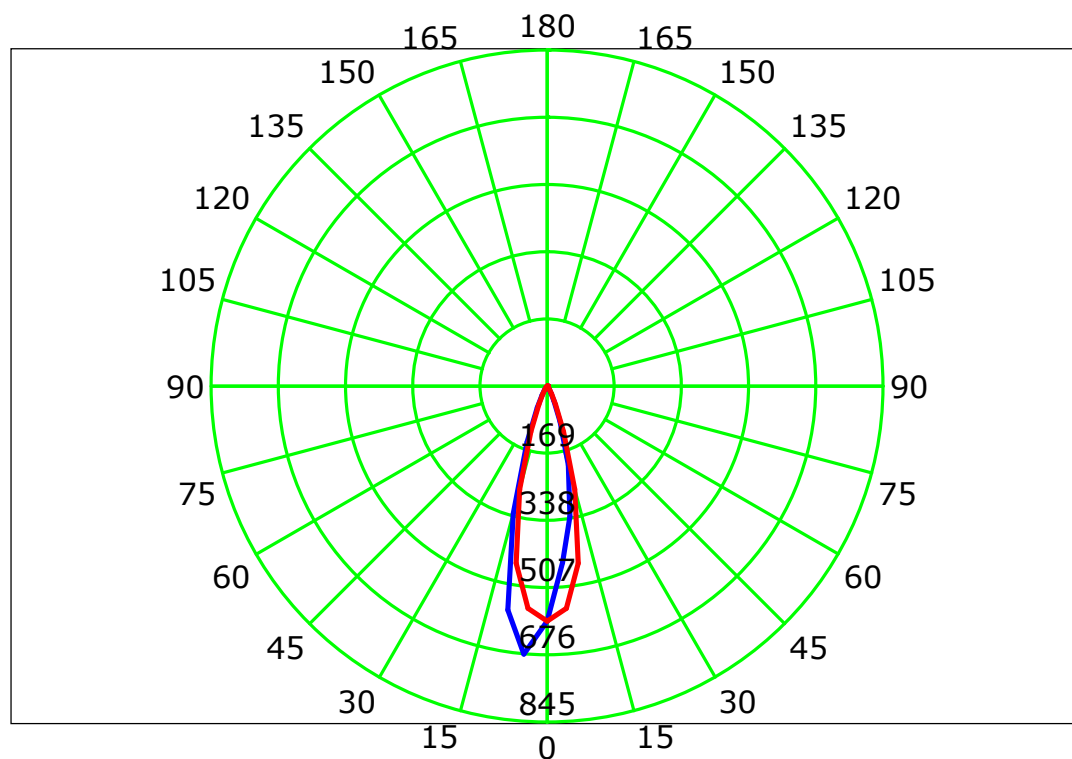
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

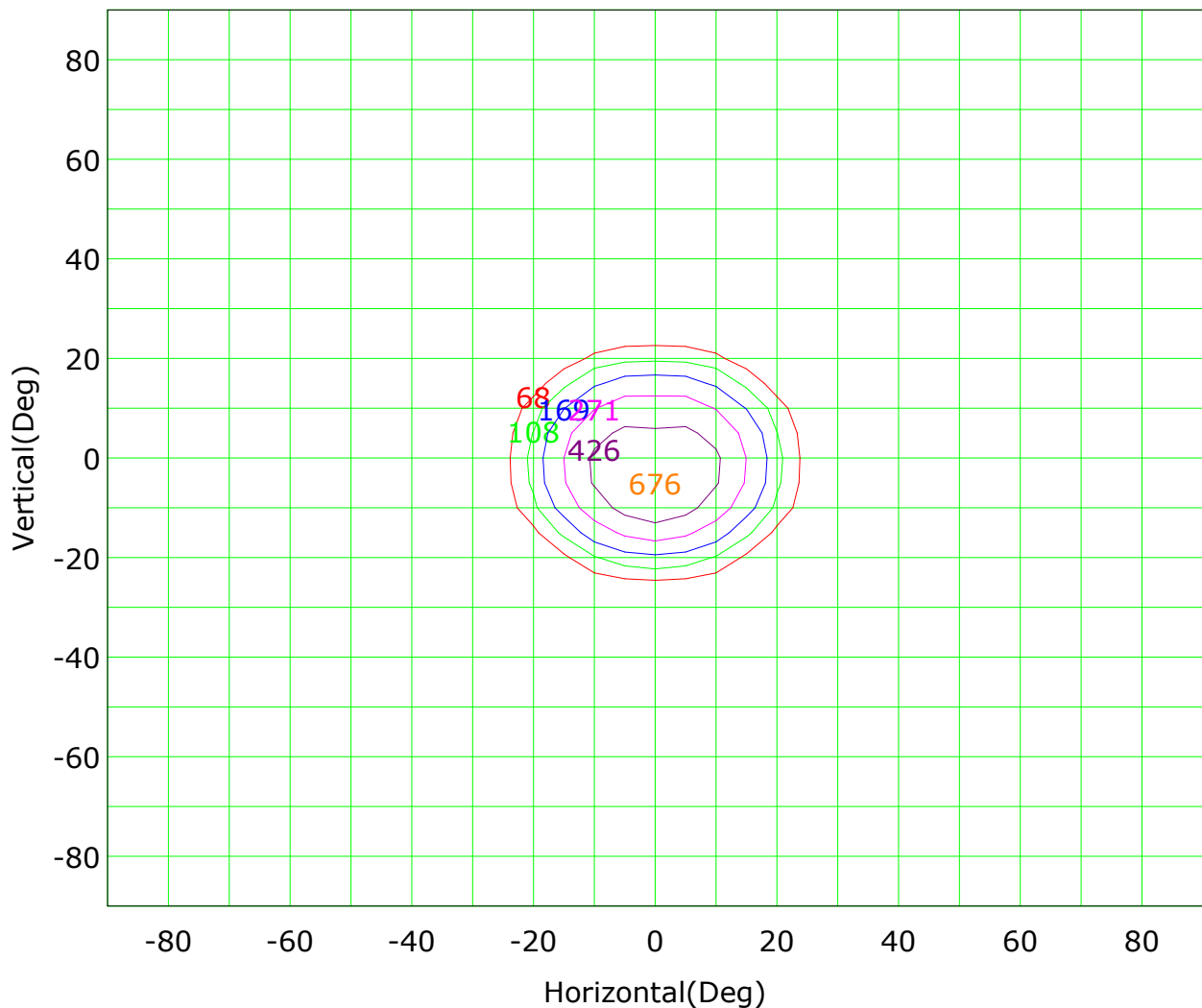
## Luminous Intensity Distribution Curve



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%): 676 cd

( 10%):	68 cd	( 16%):	108 cd
( 25%):	169 cd	( 40%):	271 cd
( 63%):	426 cd	(100%):	676 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

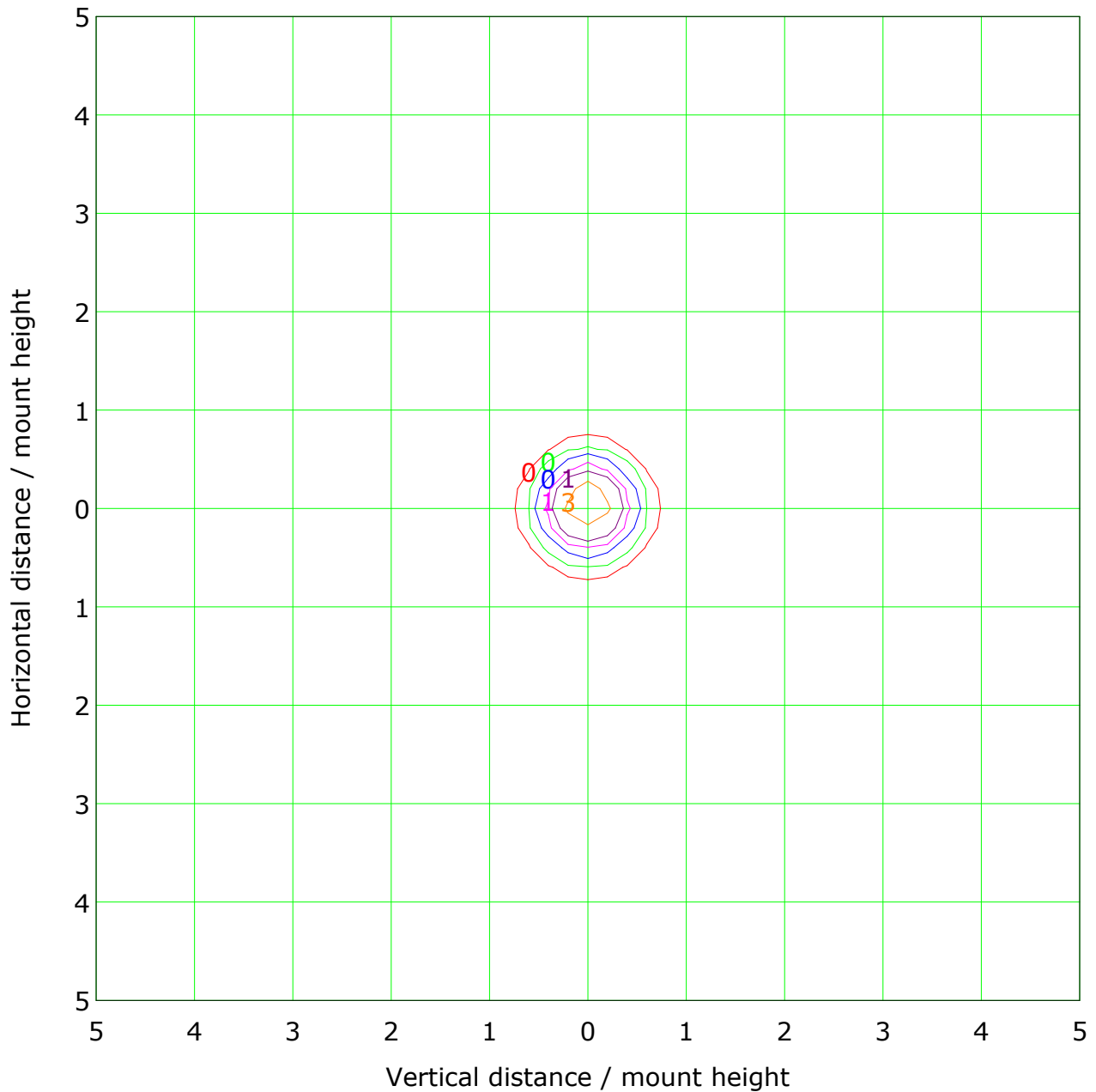
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

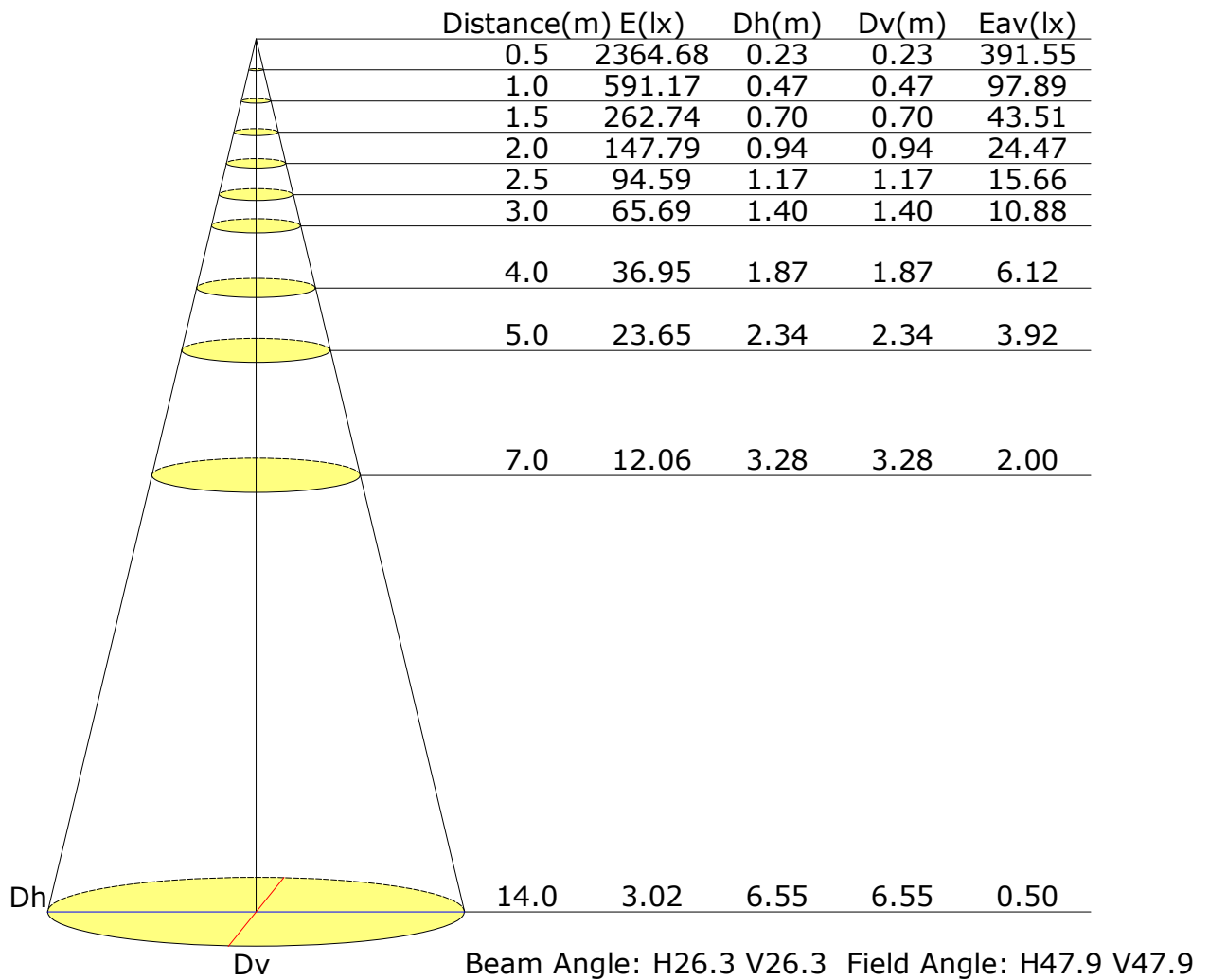


Mounting Height: 10m		Max Lux(100%): 7 lx	
( 1%):	0 lx	( 2%):	0 lx
( 5%):	0 lx	( 10%):	1 lx
( 20%):	1 lx	( 50%):	3 lx
(100%):	7 lx		

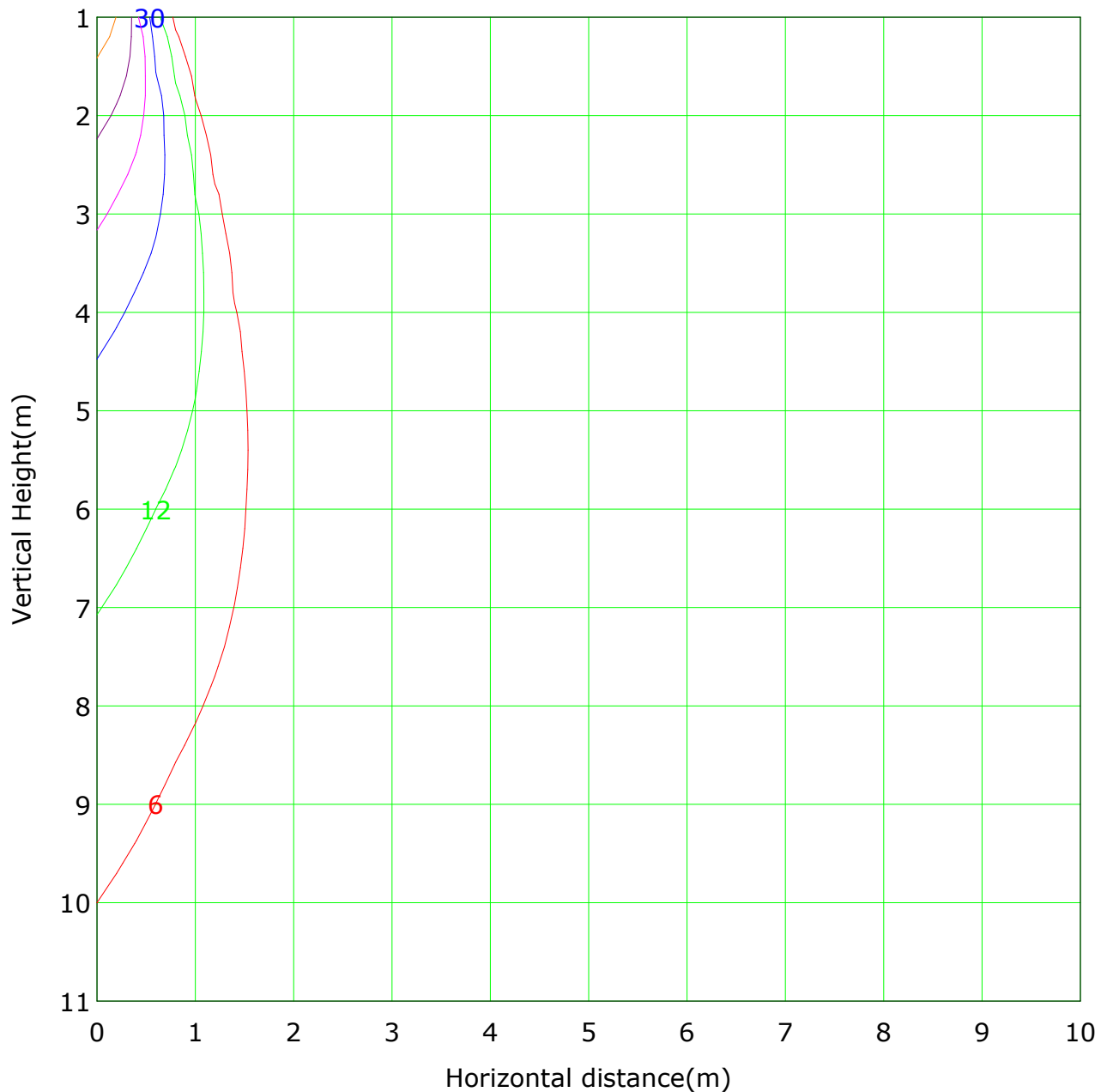
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



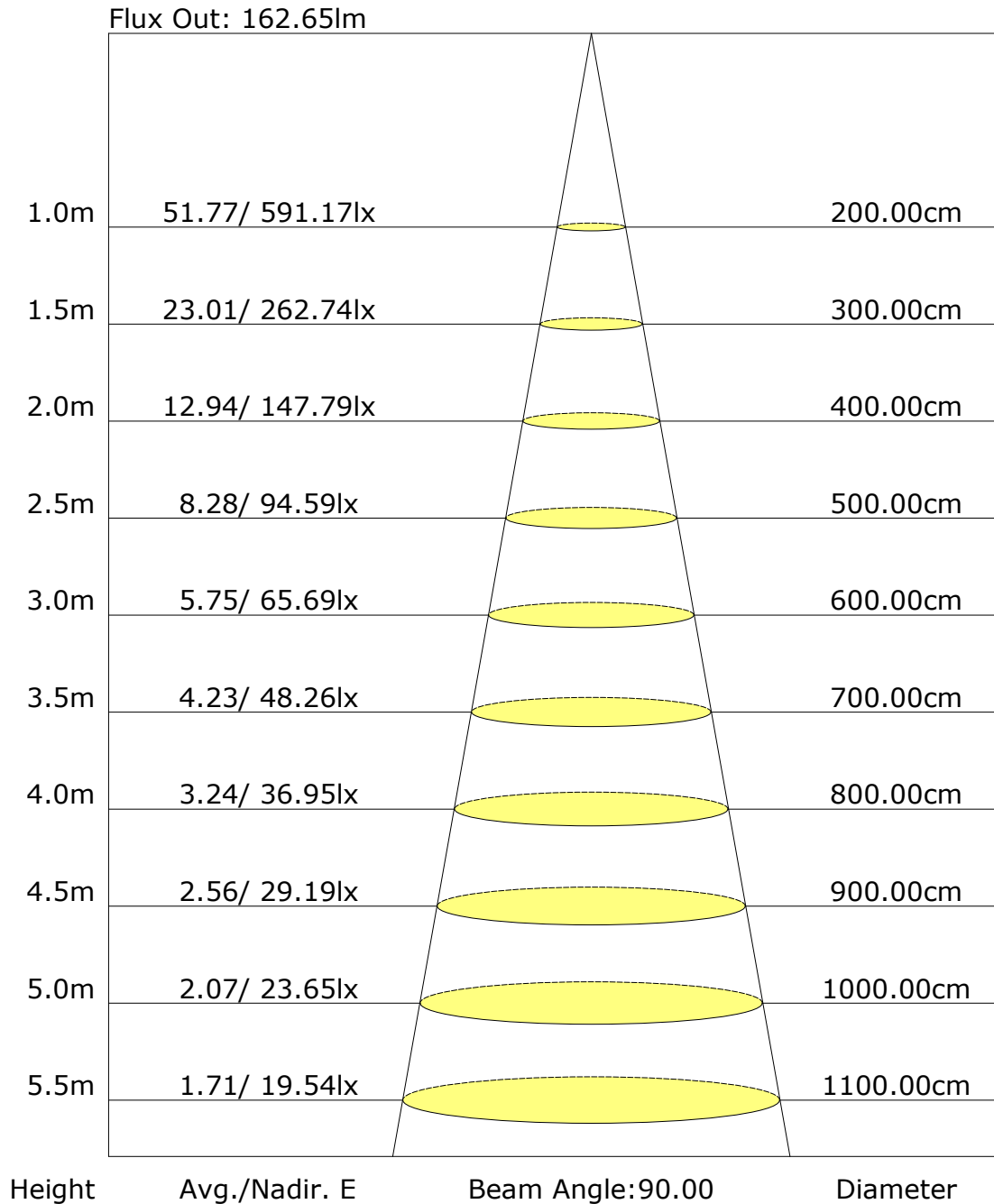
Lowest(m): 1m    Highest(m): 11    Max Lux: 591

( 1%): 6 lx	( 2%): 12 lx
( 5%): 30 lx	( 10%): 59 lx
( 20%): 118 lx	( 50%): 296 lx
(100%): 591 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



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: