

Report No.: 51.03511 Recessed Downlight Test Time: 2023-07-01 19:38

## Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90

Luminaire Description: 15D

Current: 0.057 A

Power Factor: 0.532

Voltage: 214.3 V

Power: 6.50 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 432.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H20

Vertical Diffuse Angle(50%): V20

Luminaire Efficacy Rating (LER): 67

Max. Intensity: 2358.32 cd

Total Rated Lamp Lumens: 432.7 lm

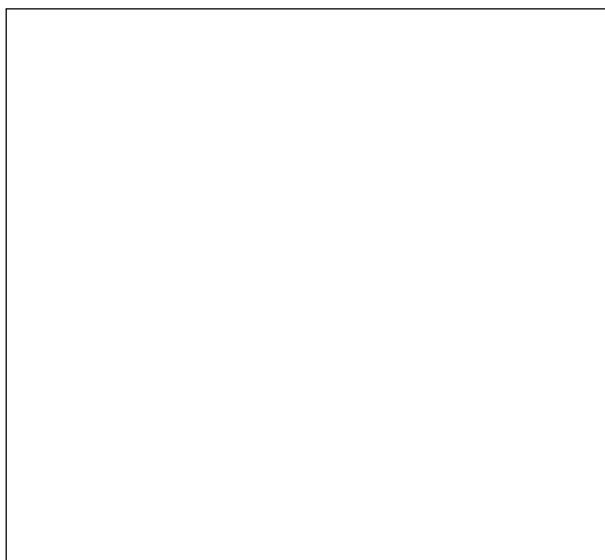
Efficiency: 100%

Upward Ratio: 0%

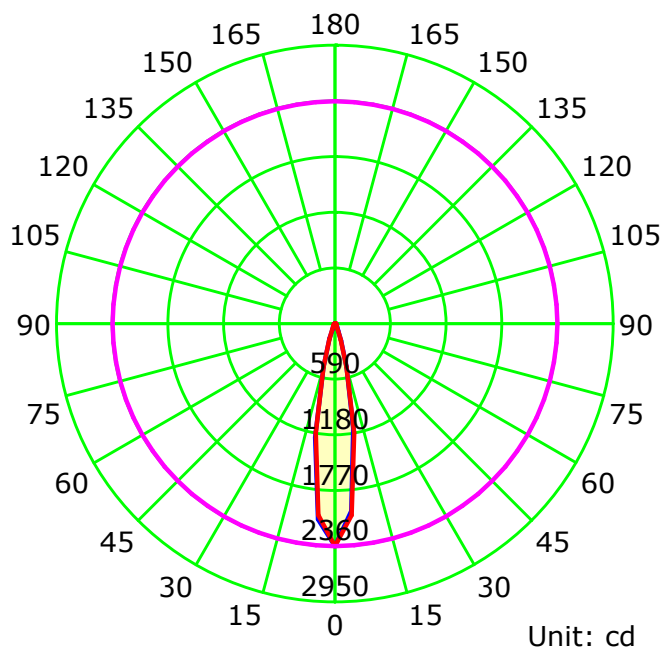
Central Intensity: 2358.31 cd

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

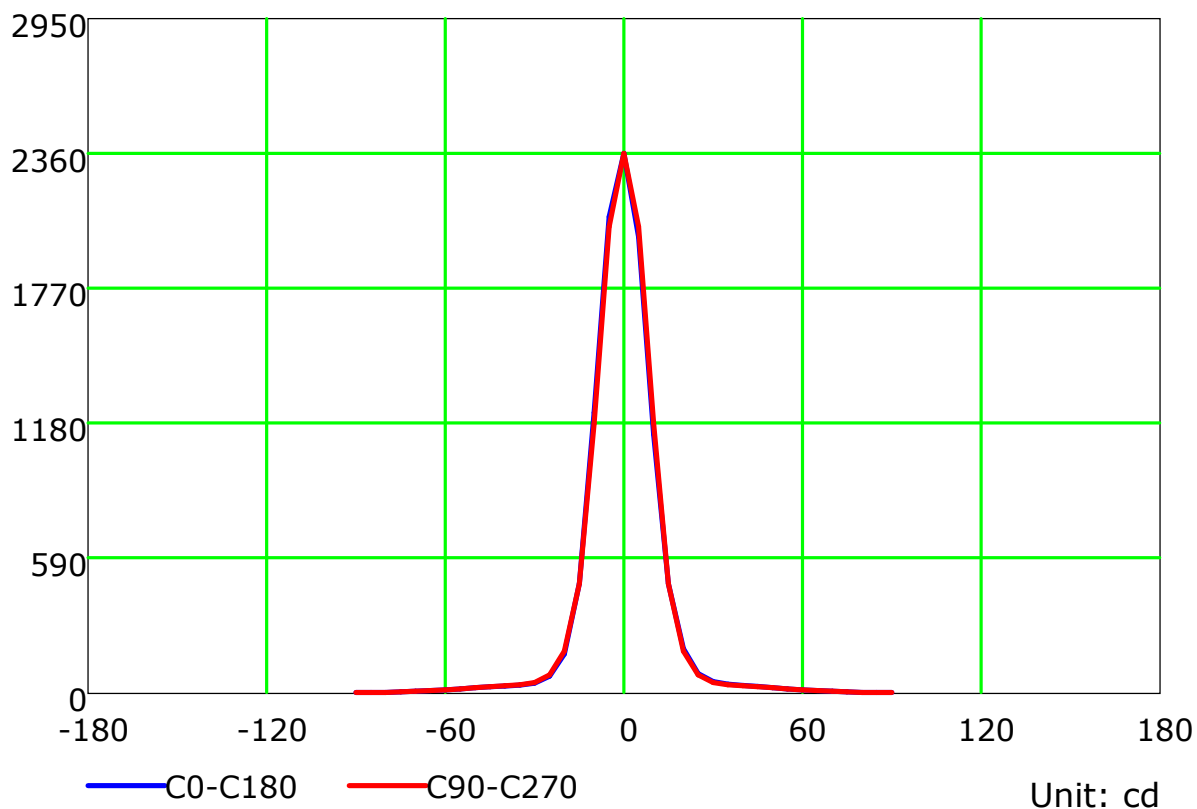
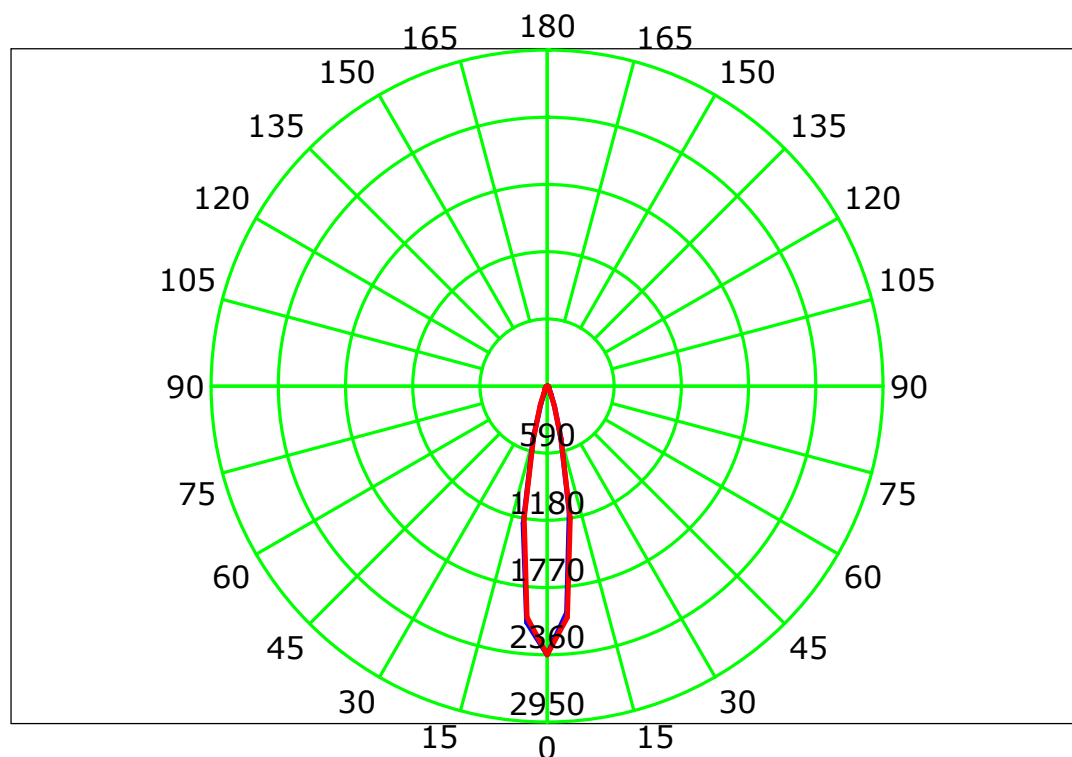
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

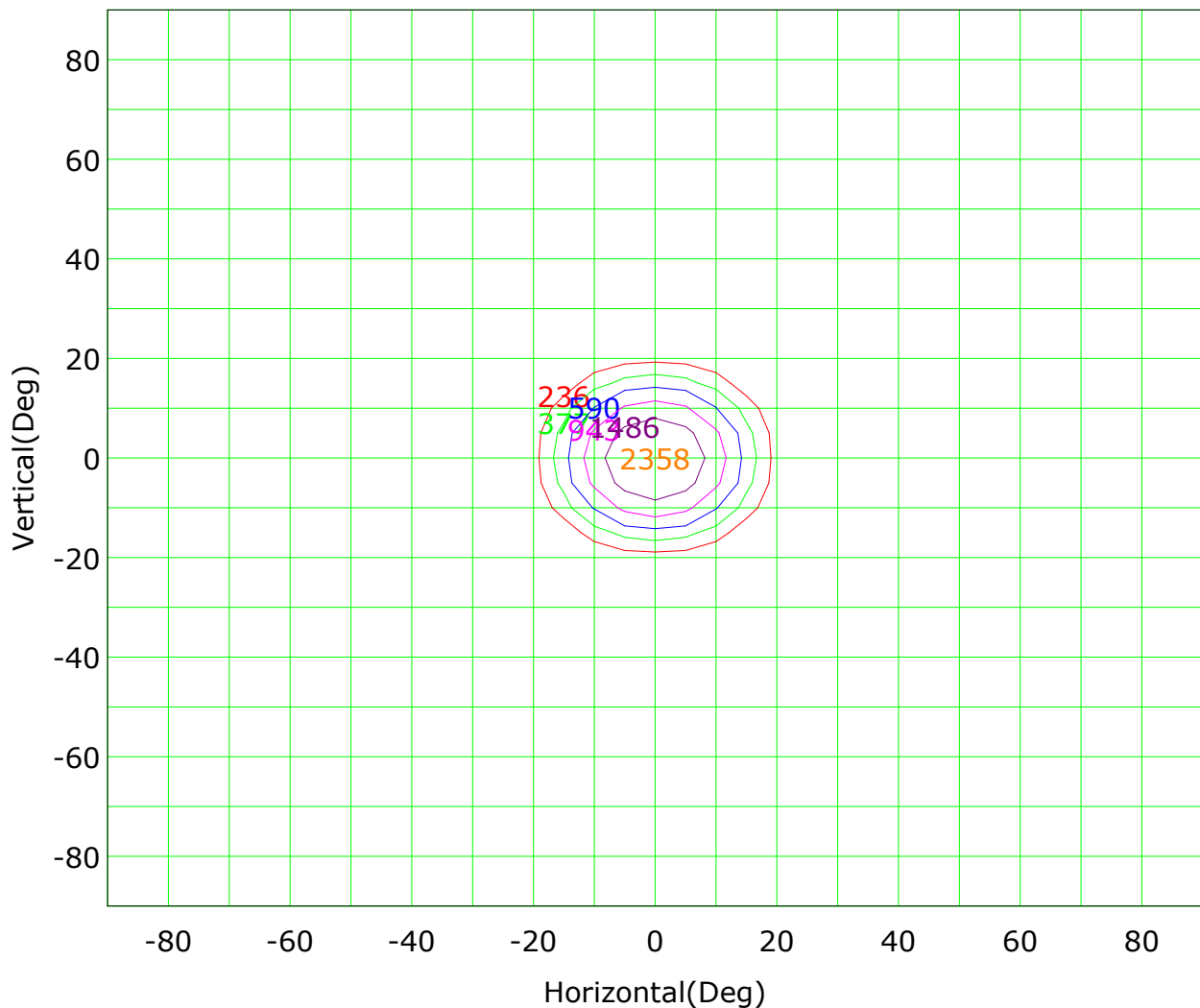
## Luminous Intensity Distribution Curve



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%): 2358 cd

( 10%): 236 cd	( 16%): 377 cd
( 25%): 590 cd	( 40%): 943 cd
( 63%): 1486 cd	(100%): 2358 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

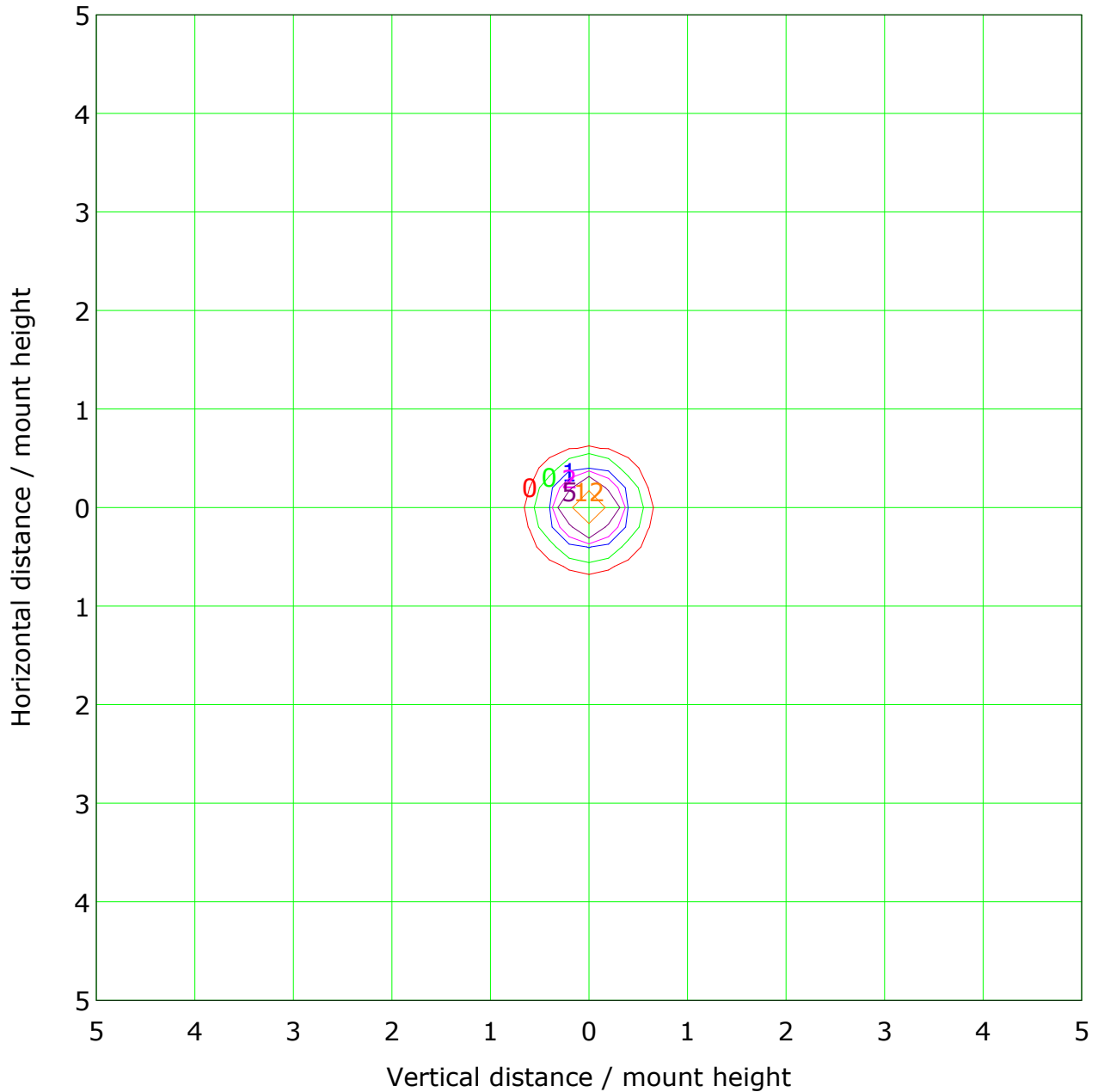
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

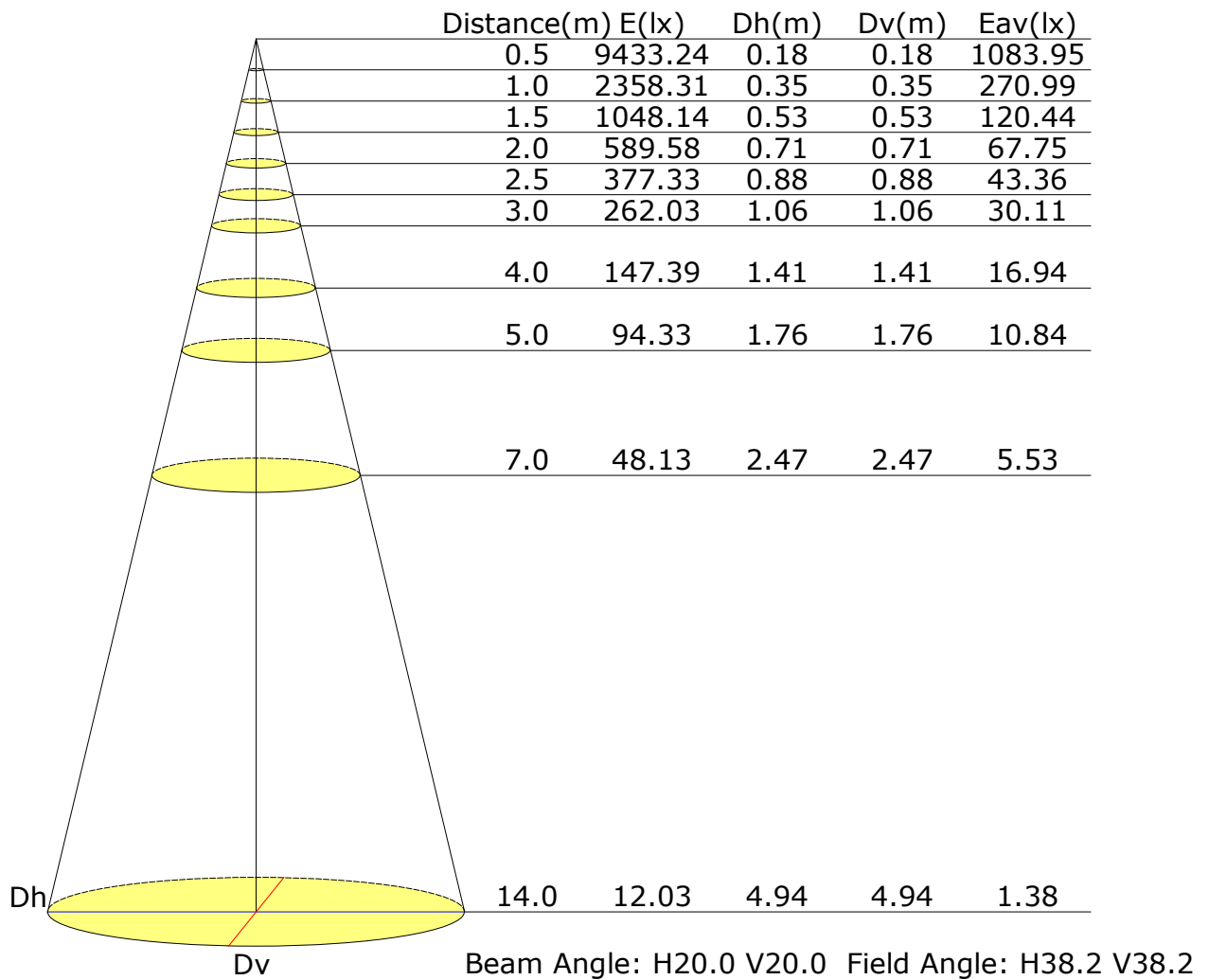


Mounting Height: 10m    Max Lux(100%): 24 lx			
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	1 lx	— ( 10%):	2 lx
— ( 20%):	5 lx	— ( 50%):	12 lx
— (100%):	24 lx		

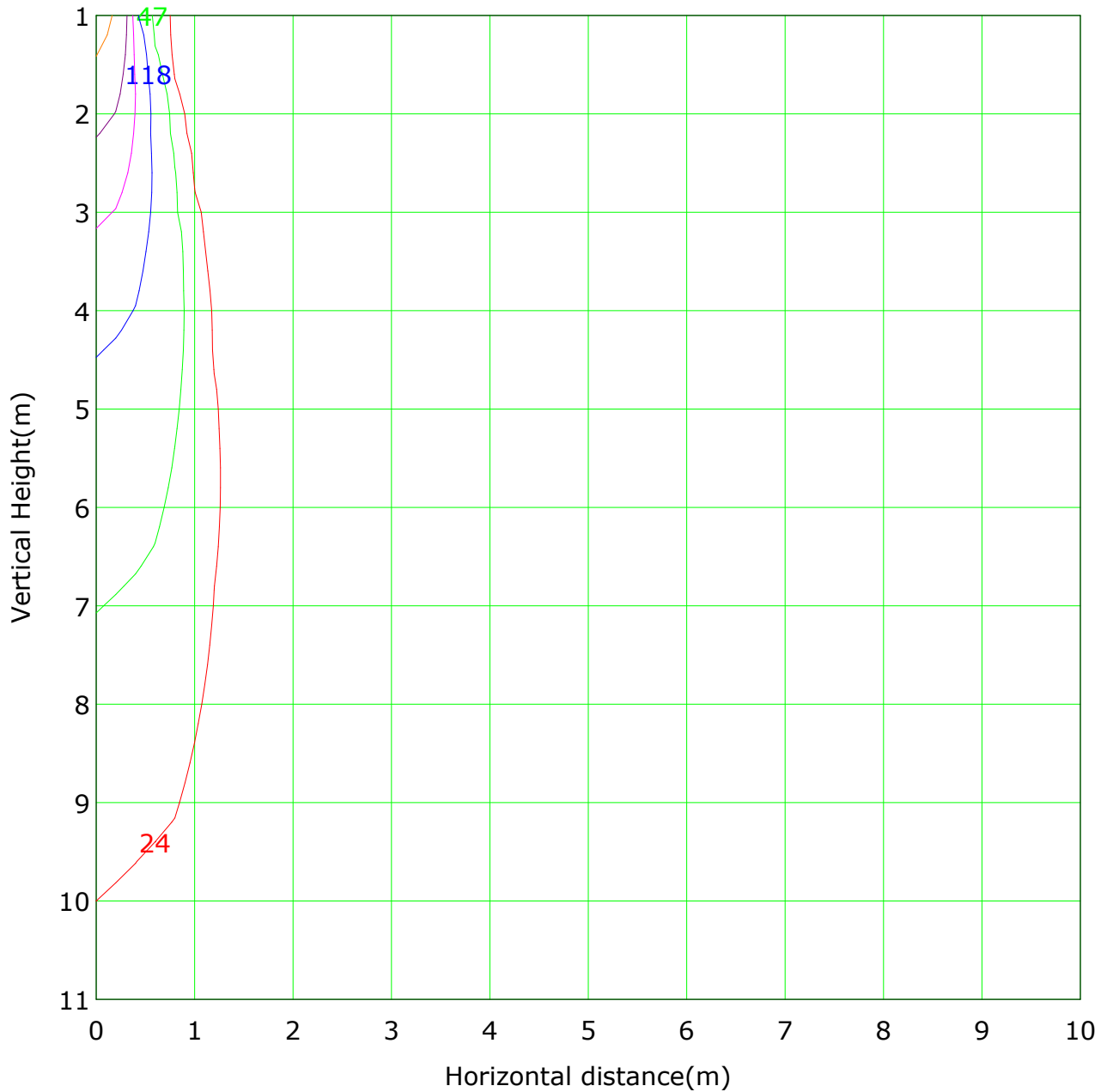
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



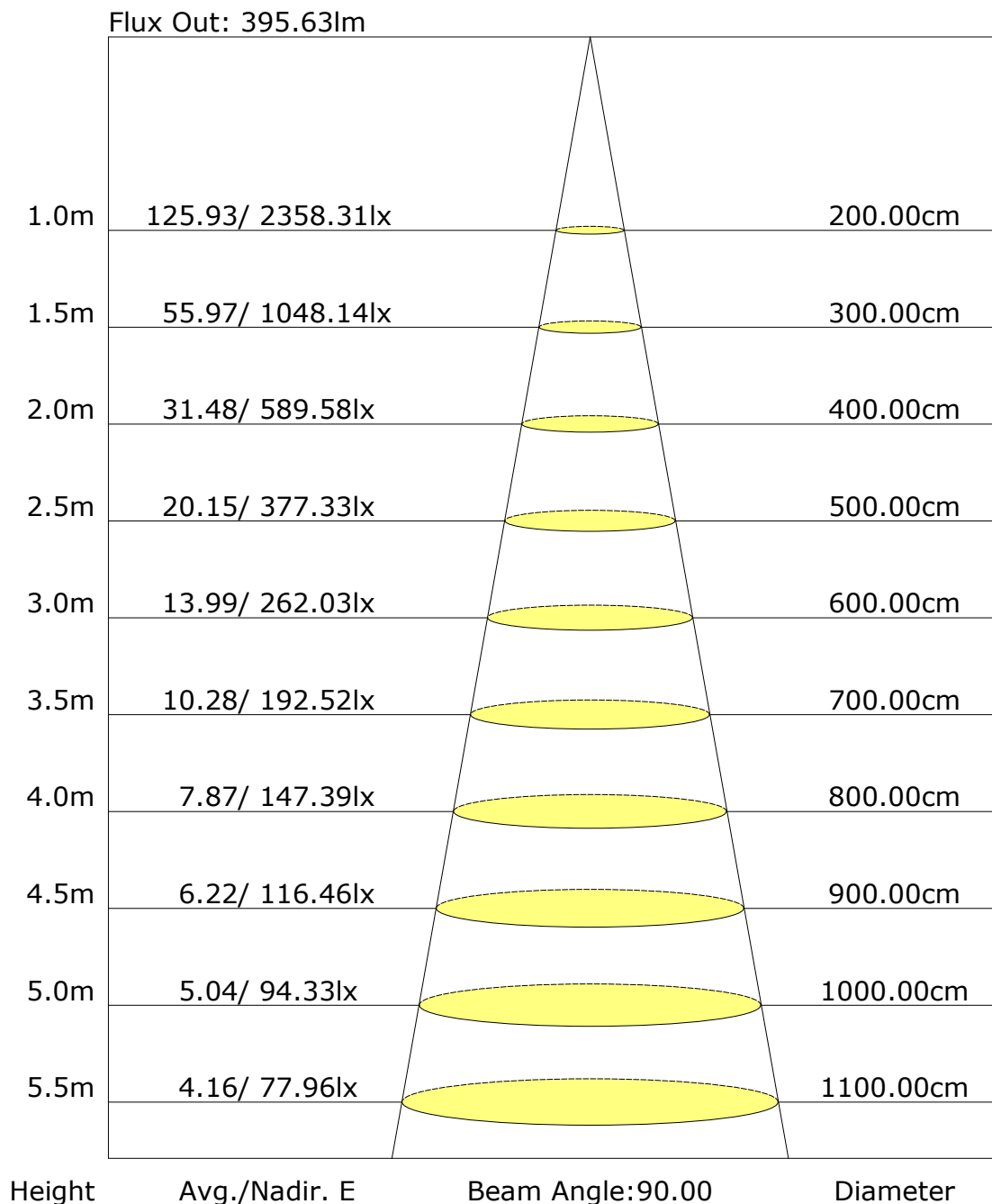
Lowest(m): 1m    Highest(m): 11    Max Lux: 2358

( 1%): 24 lx	( 2%): 47 lx
( 5%): 118 lx	( 10%): 236 lx
( 20%): 472 lx	( 50%): 1179 lx
(100%): 2358 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:

## Zonal Lumen

[illegible]

Inspector:



## Candlepower Table

Unit: cd

[illegible]

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: