

Report No.: 51.03517 Recessed Downlight Test Time: 2023-07-01 19:46

## Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90  
Luminaire Description: 50D  
Current: 0.056 A  
Power Factor: 0.532  
Voltage: 216.4 V  
Power: 6.50 W

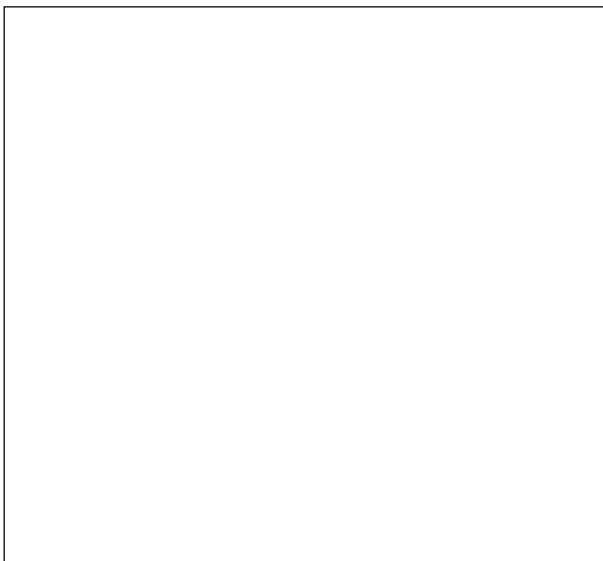
## Photometric Results

CIE Class: Direct  
Measurement Flux: 401.7 lm  
Downward Ratio: 100%  
Horizontal Diffuse Angle(50%): H51.7  
Vertical Diffuse Angle(50%): V51.7  
Luminaire Efficacy Rating (LER): 62  
Max. Intensity: 499.36 cd

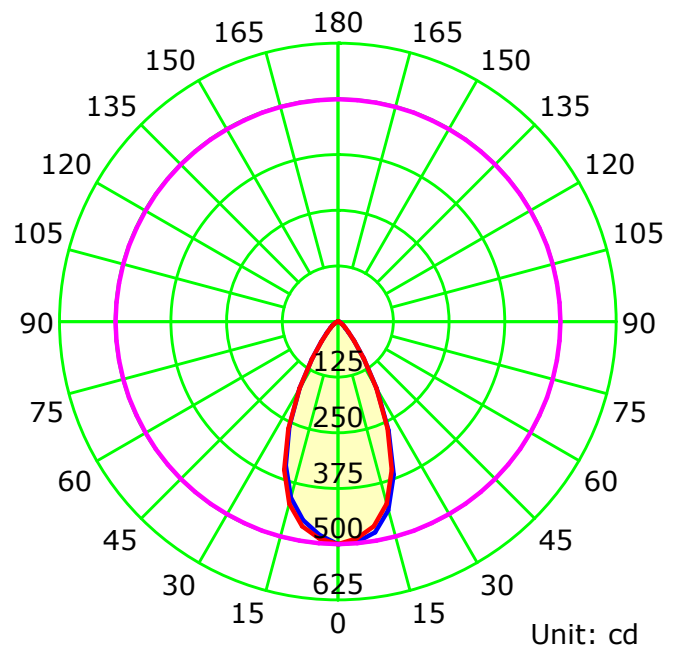
Total Rated Lamp Lumens: 401.7 lm  
Efficiency: 100%  
Upward Ratio: 0%

Central Intensity: 499.36 cd  
Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve

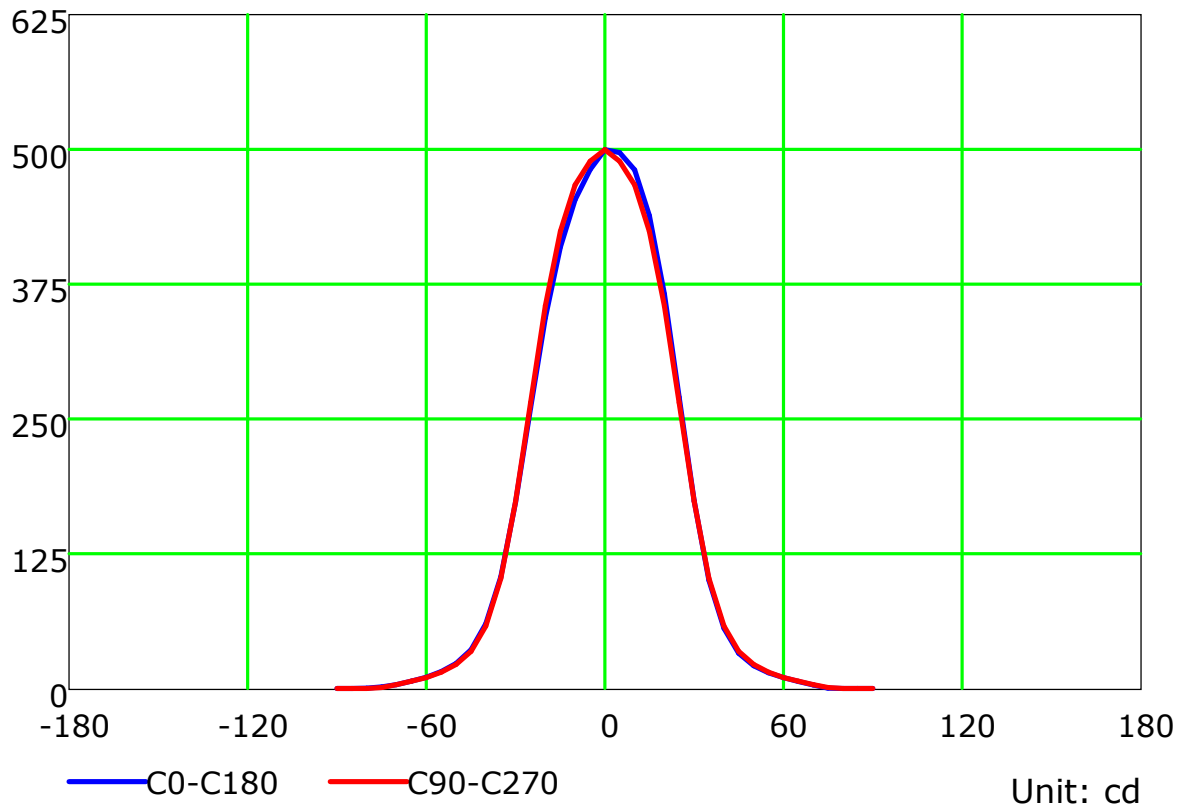
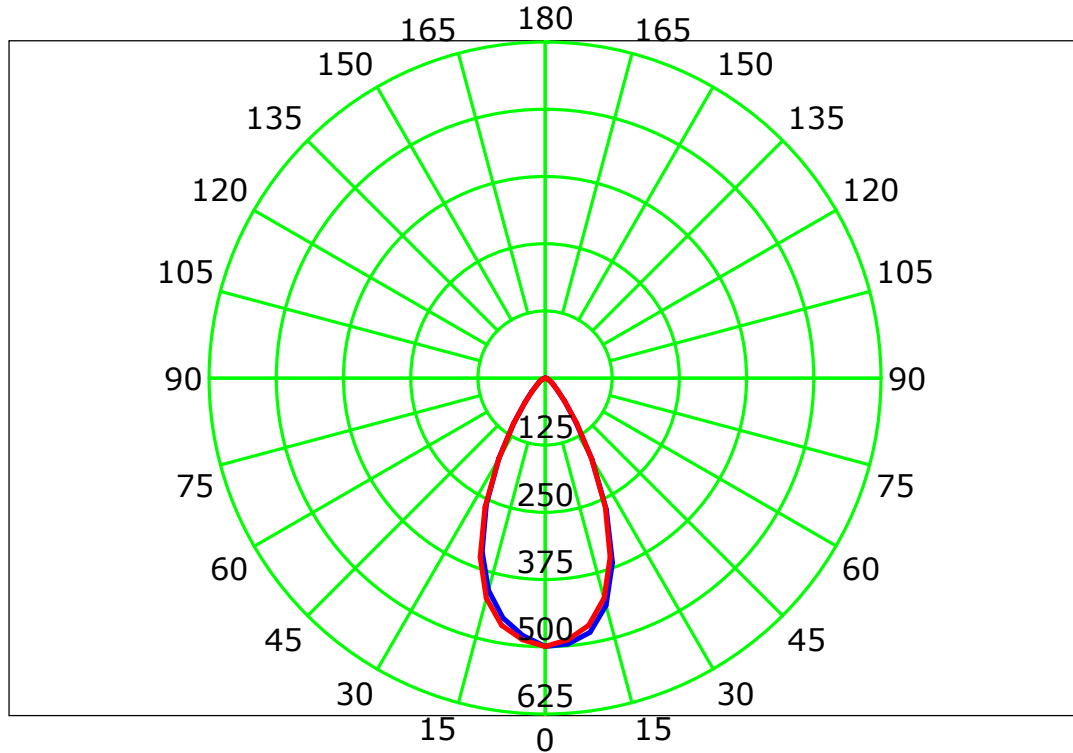


— C0-C180 — C90-C270 — G0

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

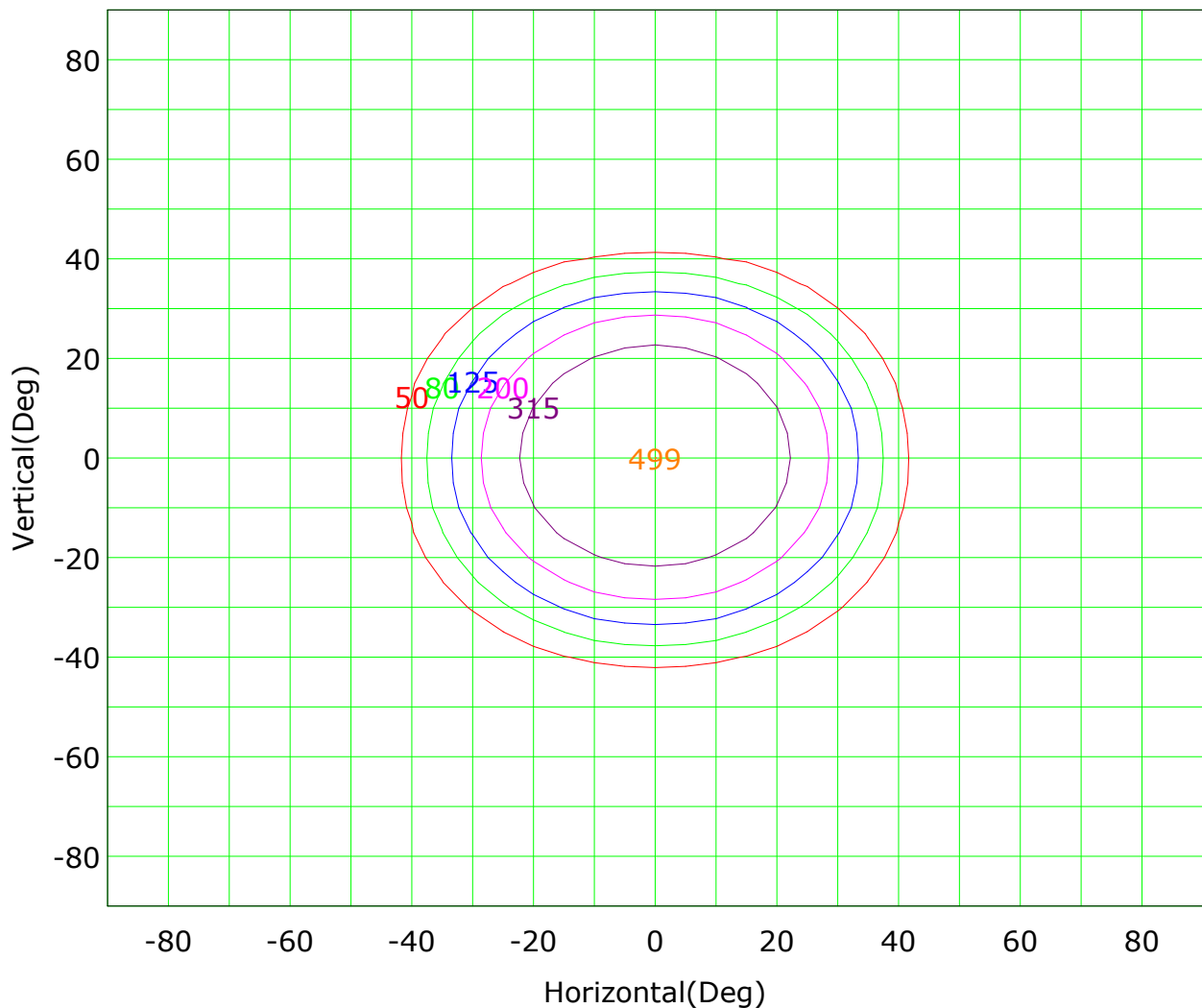
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 499 cd

( 10%):	50 cd	( 16%):	80 cd
( 25%):	125 cd	( 40%):	200 cd
( 63%):	315 cd	(100%):	499 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

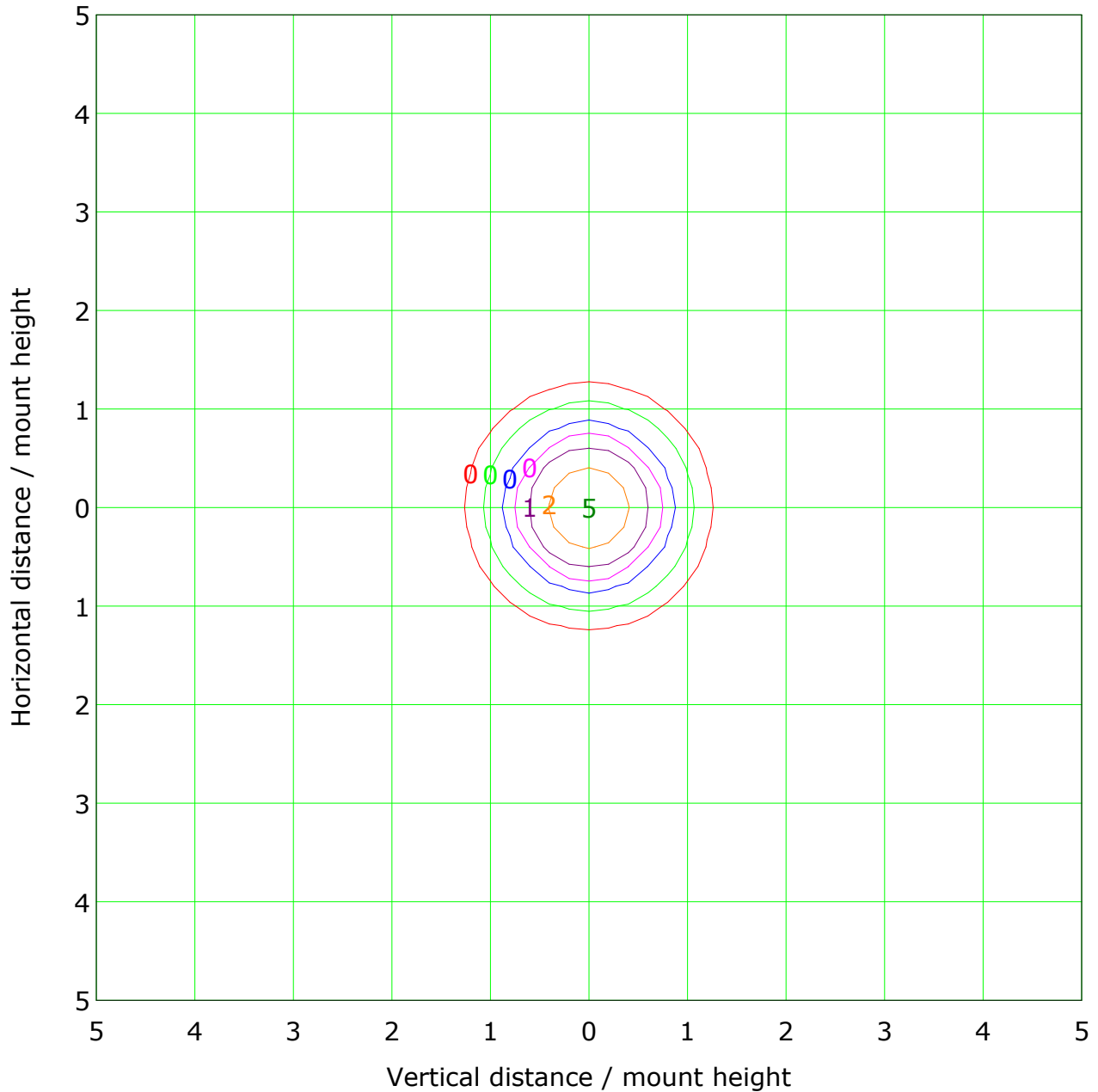
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



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

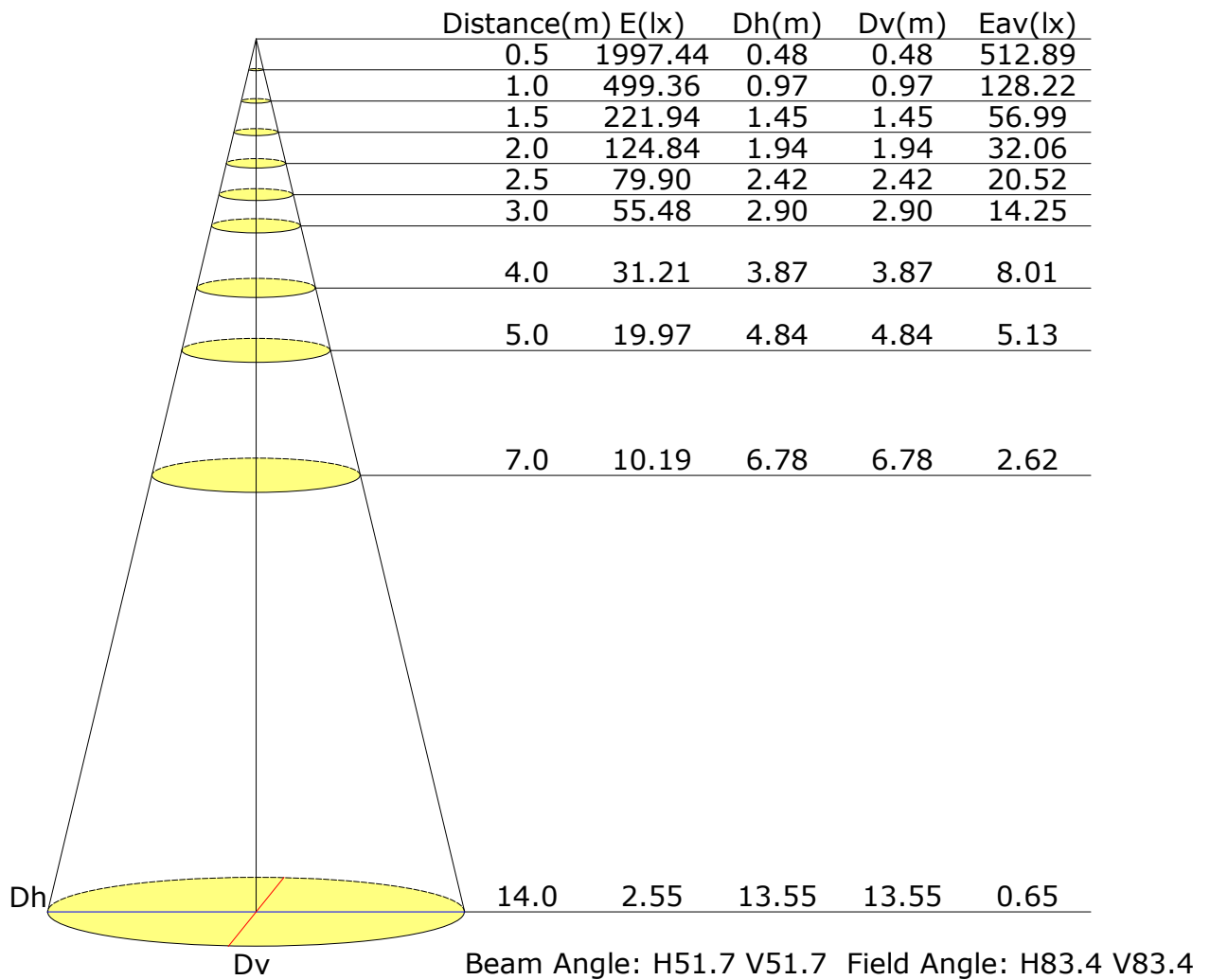
Test Device: CHL-6E

Distance: 3.000 m

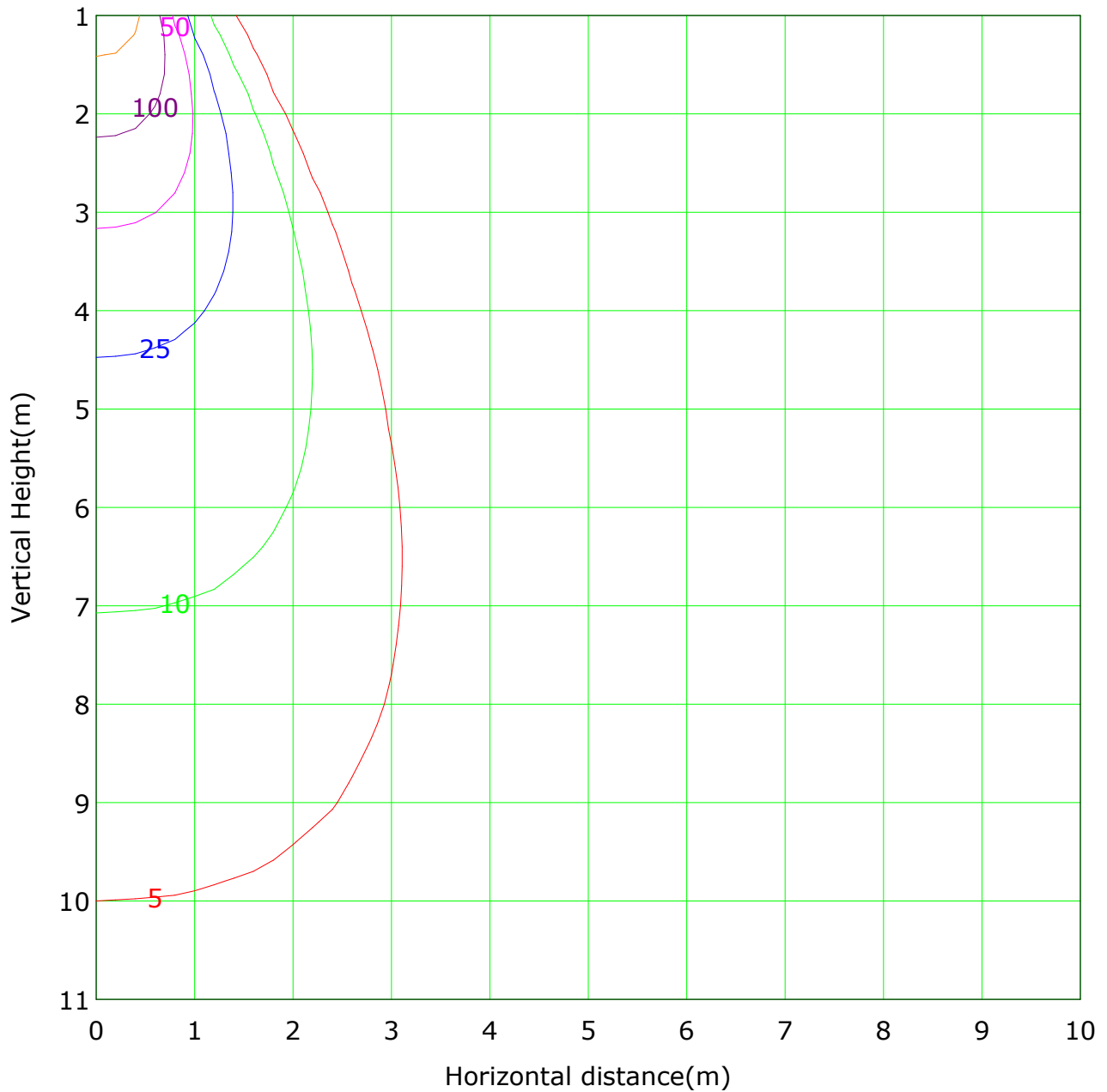
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



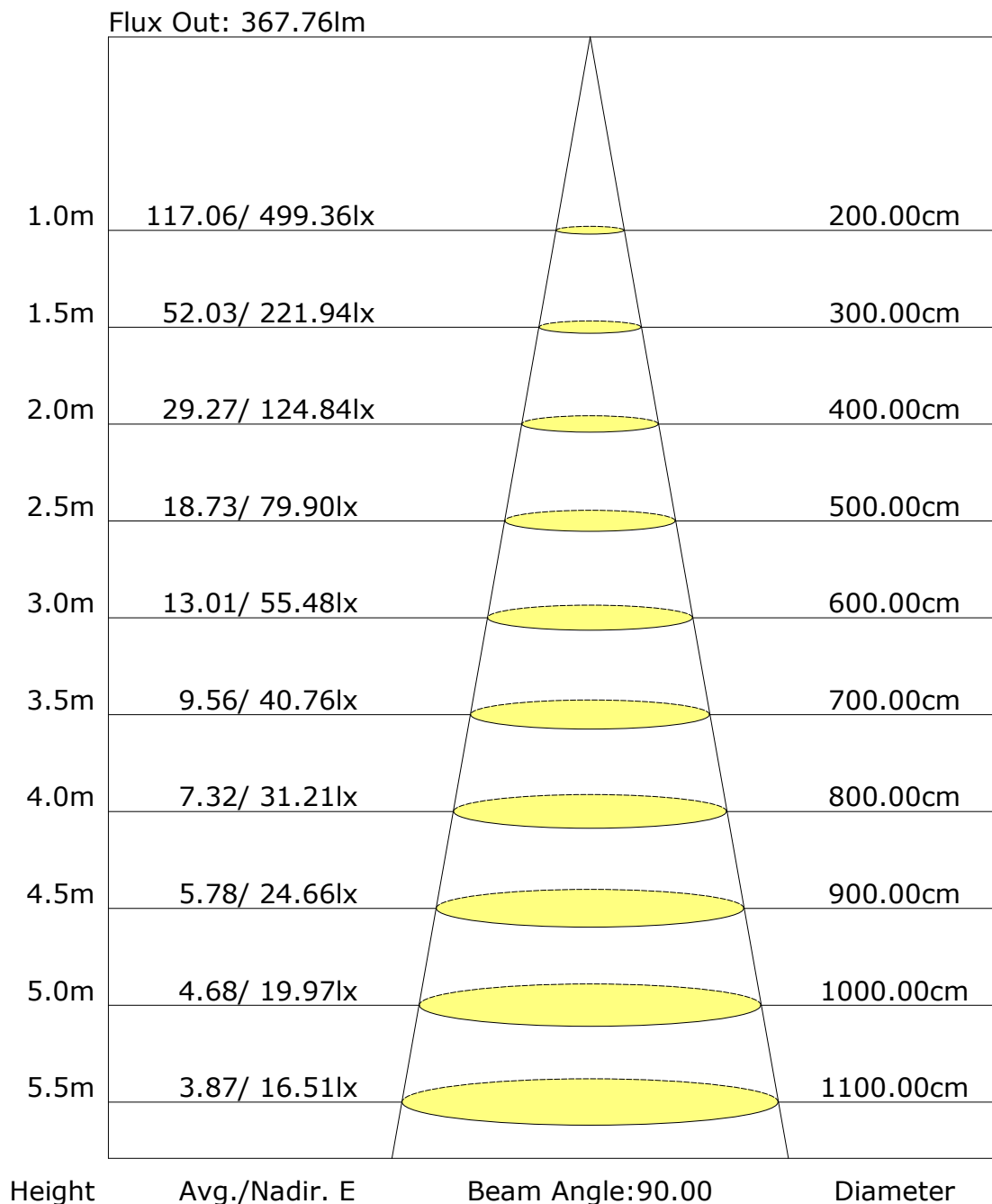
Lowest(m): 1m   Highest(m): 11   Max Lux: 499

( 1%): 5 lx	( 2%): 10 lx
( 5%): 25 lx	( 10%): 50 lx
( 20%): 100 lx	( 50%): 250 lx
(100%): 499 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: