

Report No.: 56.05511 Recessed Downlight Test Time: 2023-07-03 14:45

## Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90  
Luminaire Description: 10D  
Current: 0.060 A  
Power Factor: 0.589  
Voltage: 212.9 V  
Power: 7.50 W

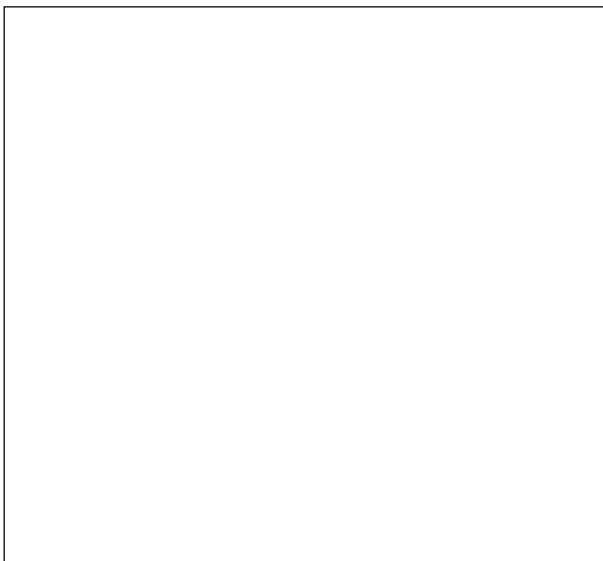
## Photometric Results

CIE Class: Direct  
Measurement Flux: 459.6 lm  
Downward Ratio: 100%  
Horizontal Diffuse Angle(50%): H16.5  
Vertical Diffuse Angle(50%): V16.5  
Luminaire Efficacy Rating (LER): 61  
Max. Intensity: 4225.32 cd

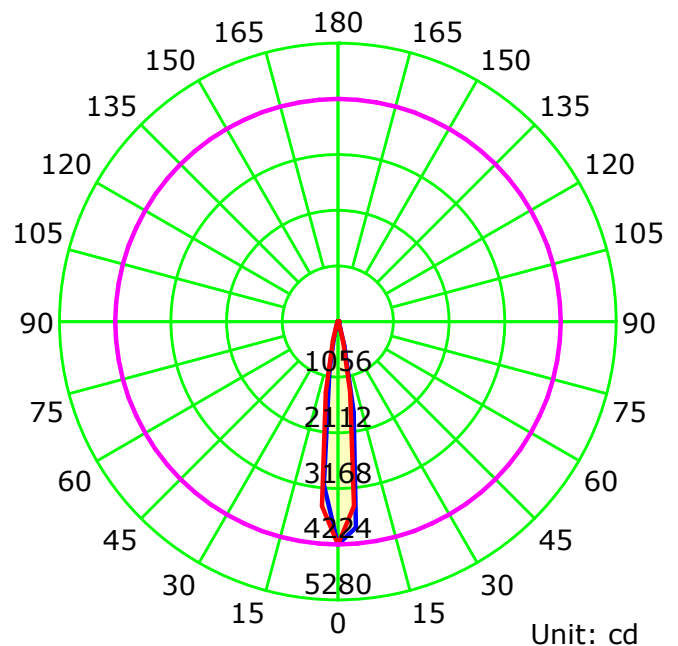
Total Rated Lamp Lumens: 459.6 lm  
Efficiency: 100%  
Upward Ratio: 0%

Central Intensity: 4225.31 cd  
Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve

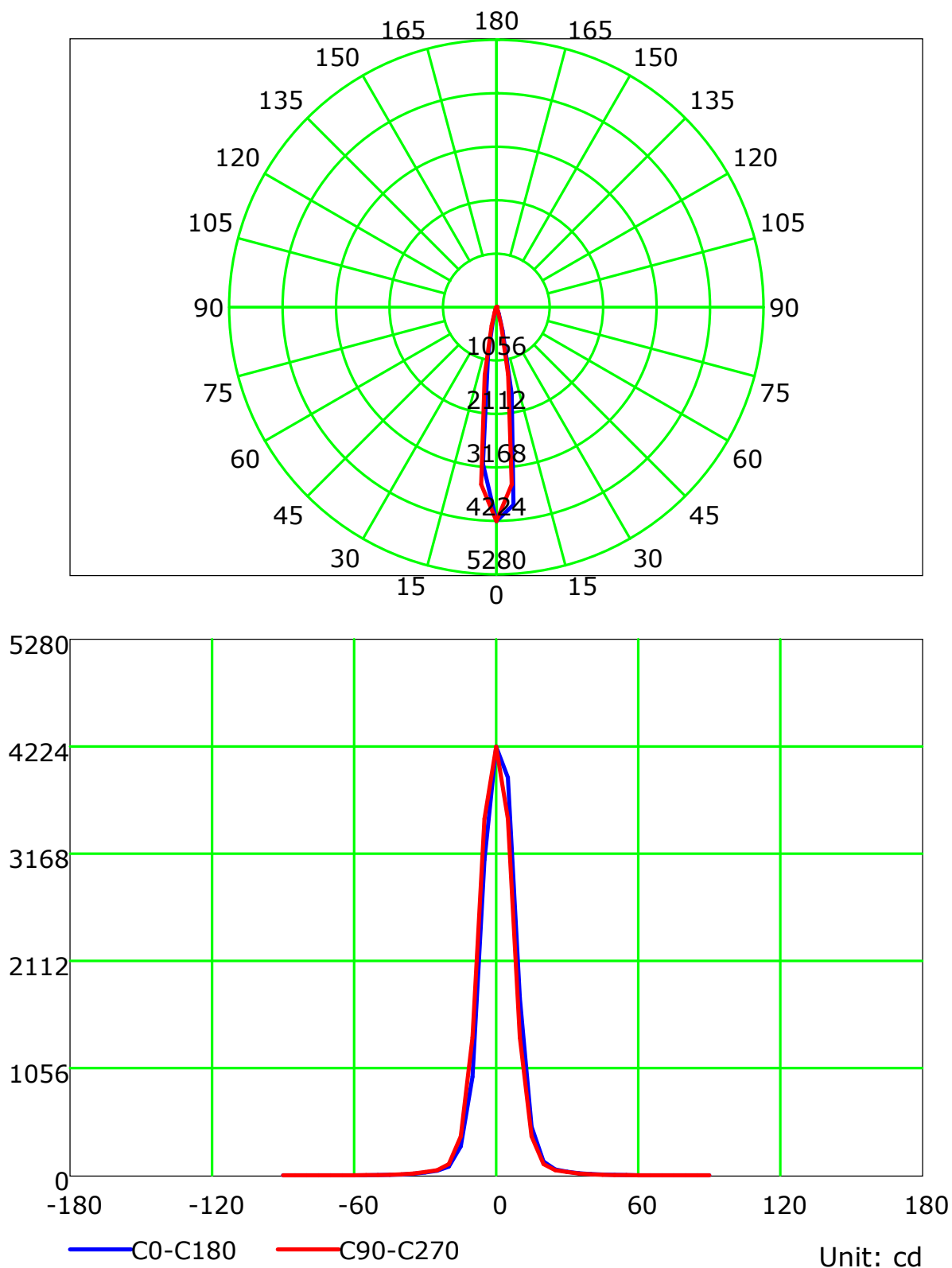


— C0-C180 — C90-C270 — G0

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:

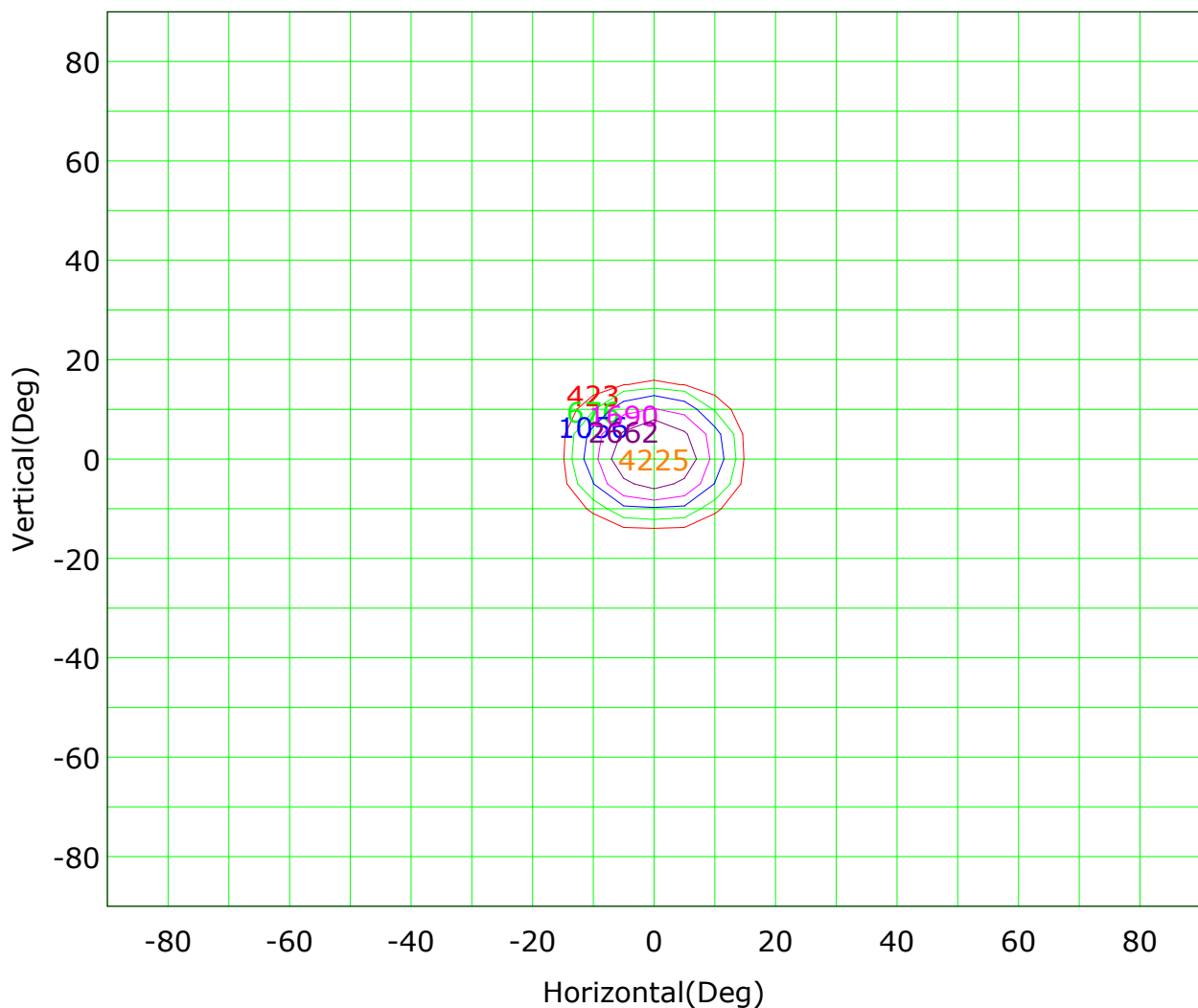
## Luminous Intensity Distribution Curve



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%): 4225 cd

( 10%): 423 cd	( 16%): 676 cd
( 25%): 1056 cd	( 40%): 1690 cd
( 63%): 2662 cd	(100%): 4225 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

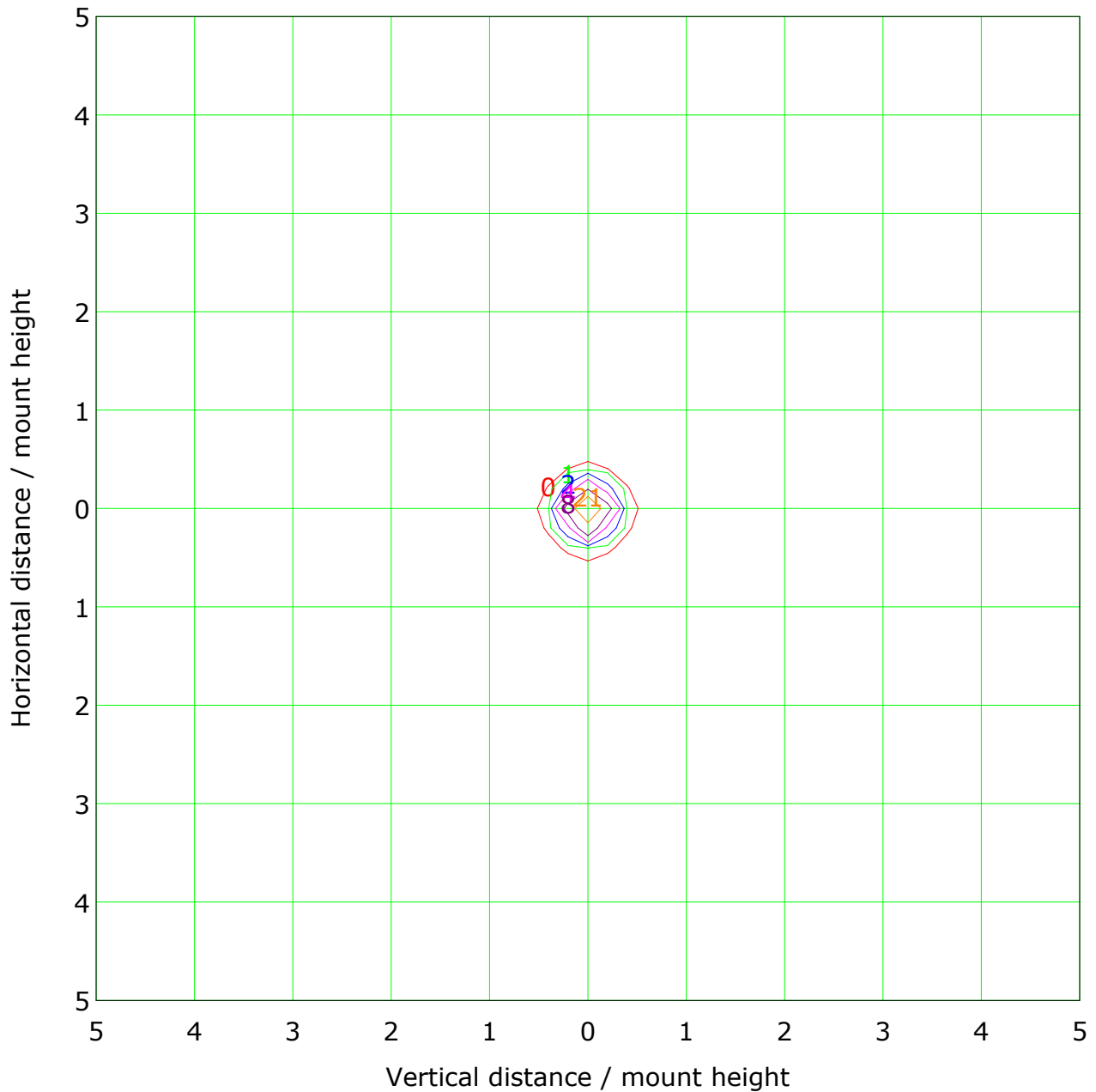
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

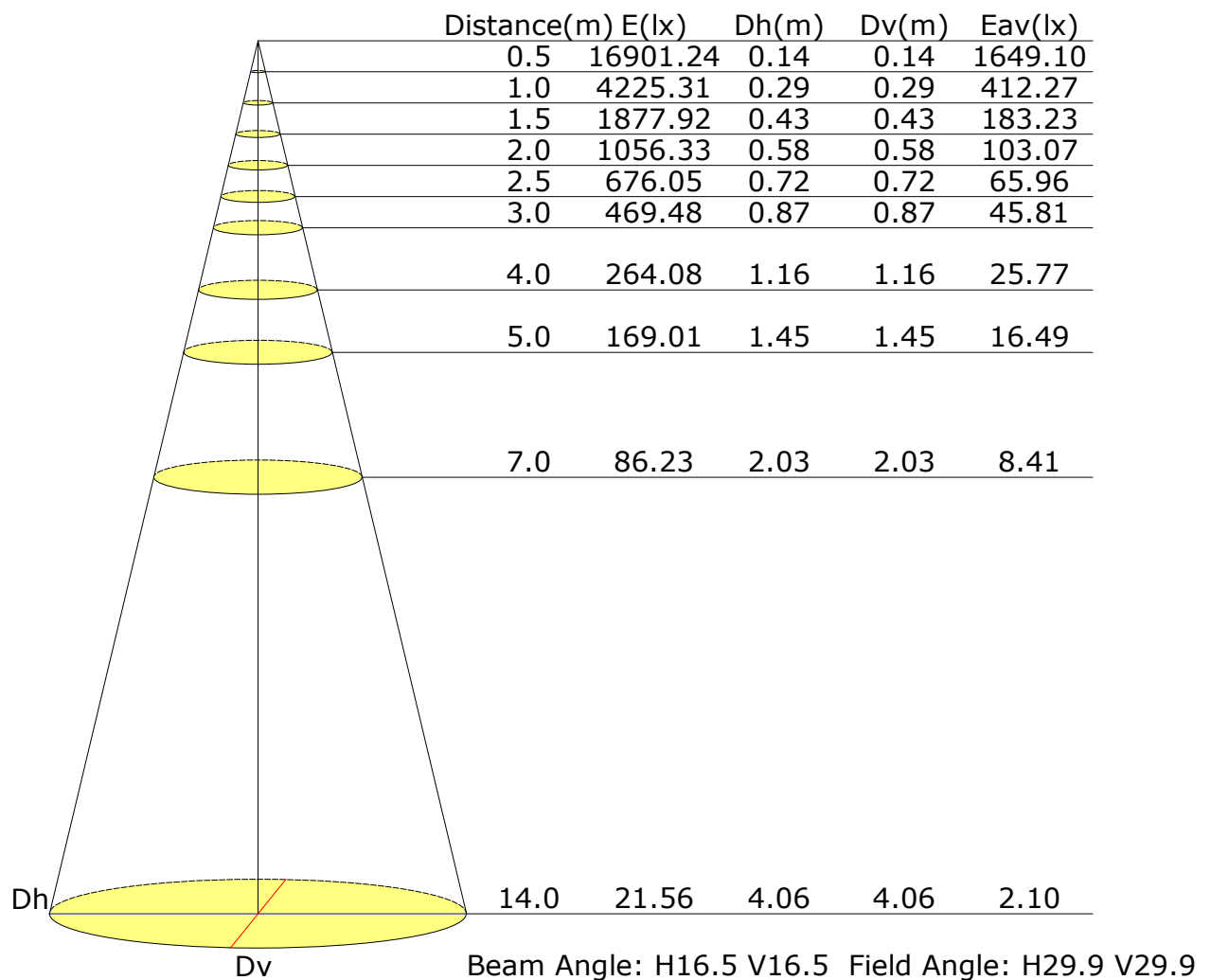


Mounting Height: 10m		Max Lux(100%): 42 lx	
( 1%):	0 lx	( 2%):	1 lx
( 5%):	2 lx	( 10%):	4 lx
( 20%):	8 lx	( 50%):	21 lx
(100%):	42 lx		

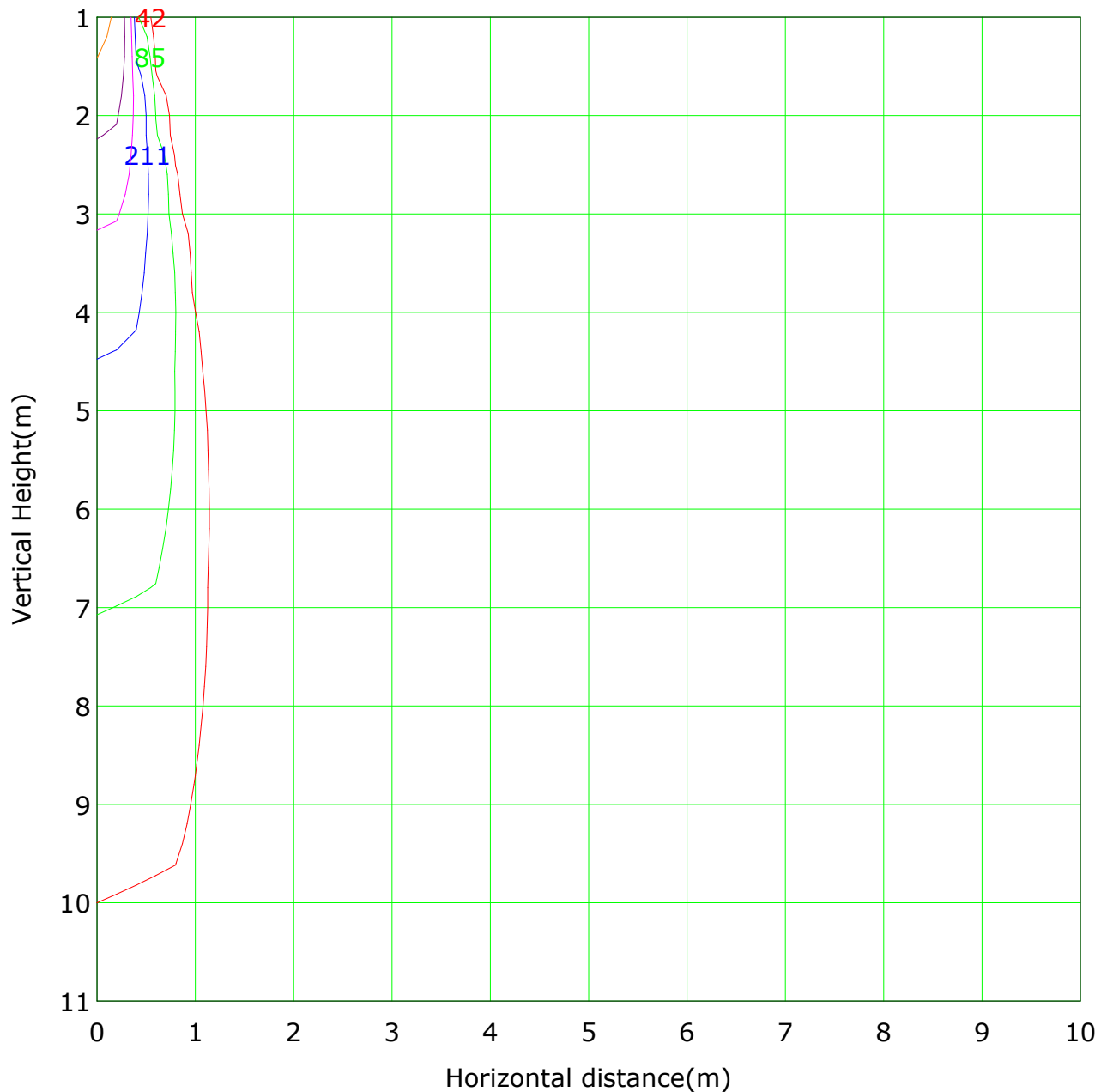
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



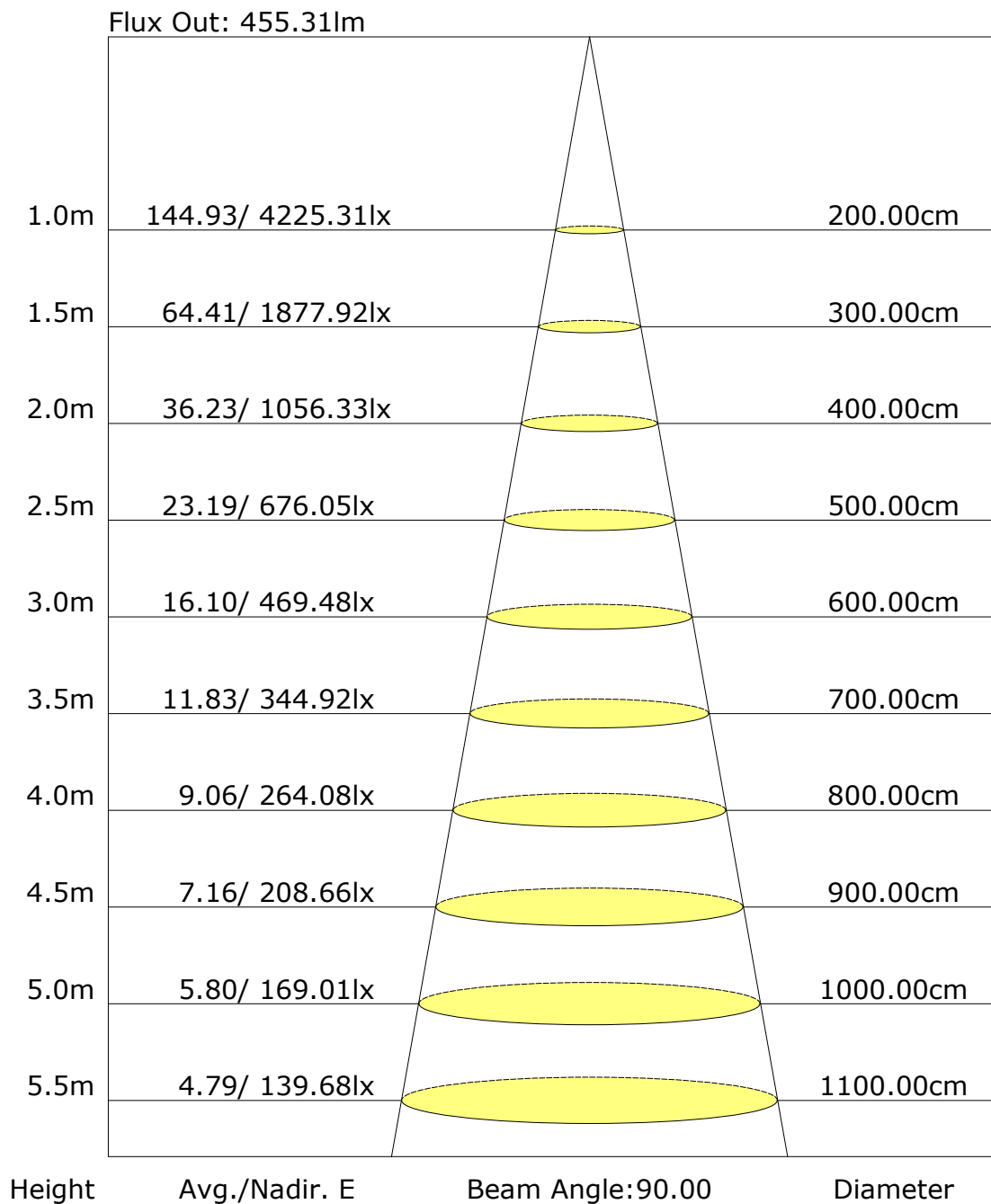
Lowest(m): 1m    Highest(m): 11    Max Lux: 4225

( 1%): 42 lx	( 2%): 85 lx
( 5%): 211 lx	( 10%): 423 lx
( 20%): 845 lx	( 50%): 2113 lx
(100%): 4225 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]

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:



## 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: