

Report No.: 52.05521 UTH Down Light

Test Time: 2023-10-12 18:03

## Luminaire Property

Luminaire Category: Bridgelux V3HD 3000K CRI90

Voltage: 229.1 V

Current: 0.056 A

Power: 6.90 W

Power Factor: 0.533

## Photometric Results

CIE Class: Direct

Measurement Flux: 418.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H56.8

Vertical Diffuse Angle(50%): V56.8

Luminaire Efficacy Rating (LER): 61

Max. Intensity: 475.36 cd

Total Rated Lamp Lumens: 418.9 lm

Efficiency: 100%

Upward Ratio: 0%

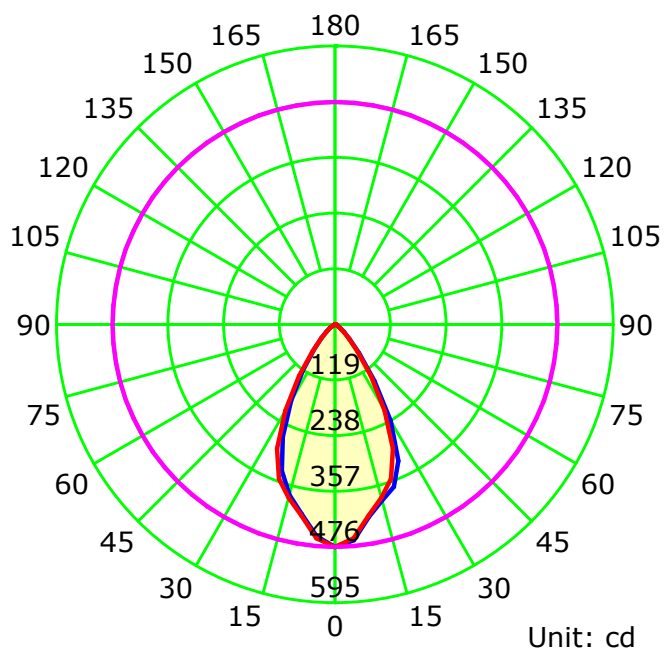
Central Intensity: 475.35 cd

Pos of Max. Intensity: H0 V0

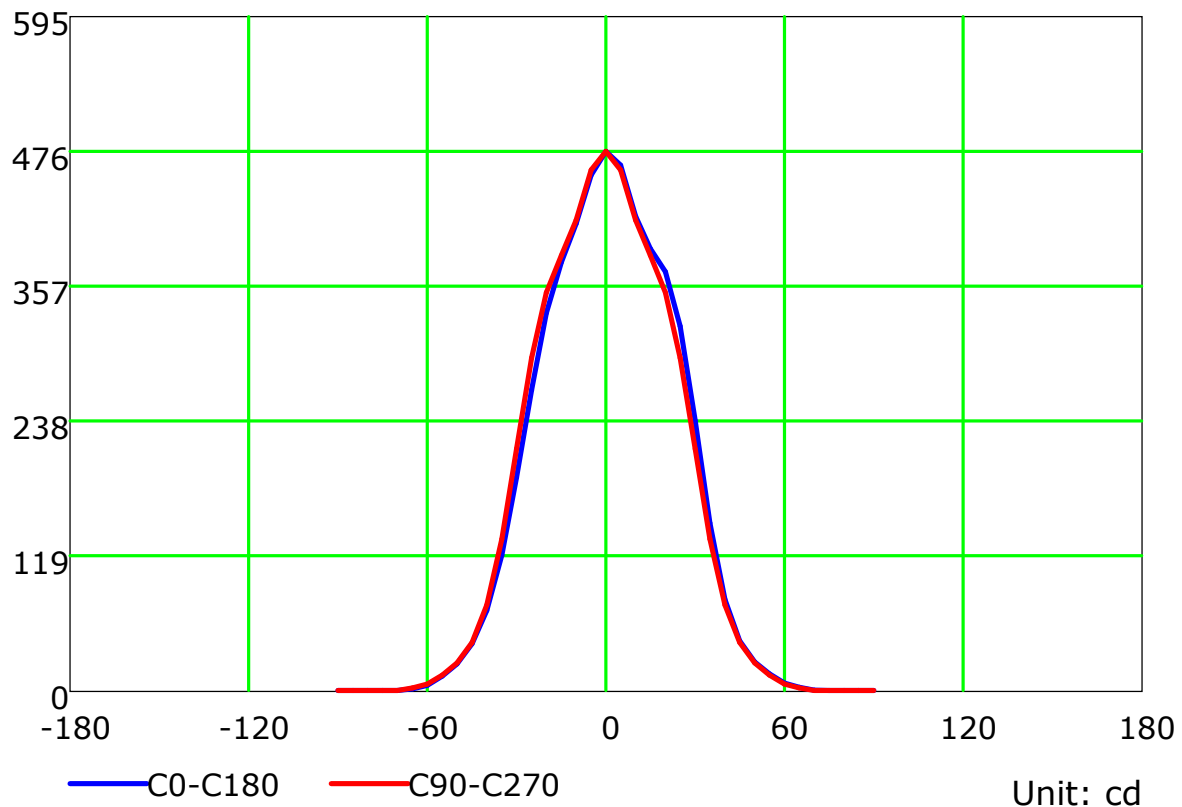
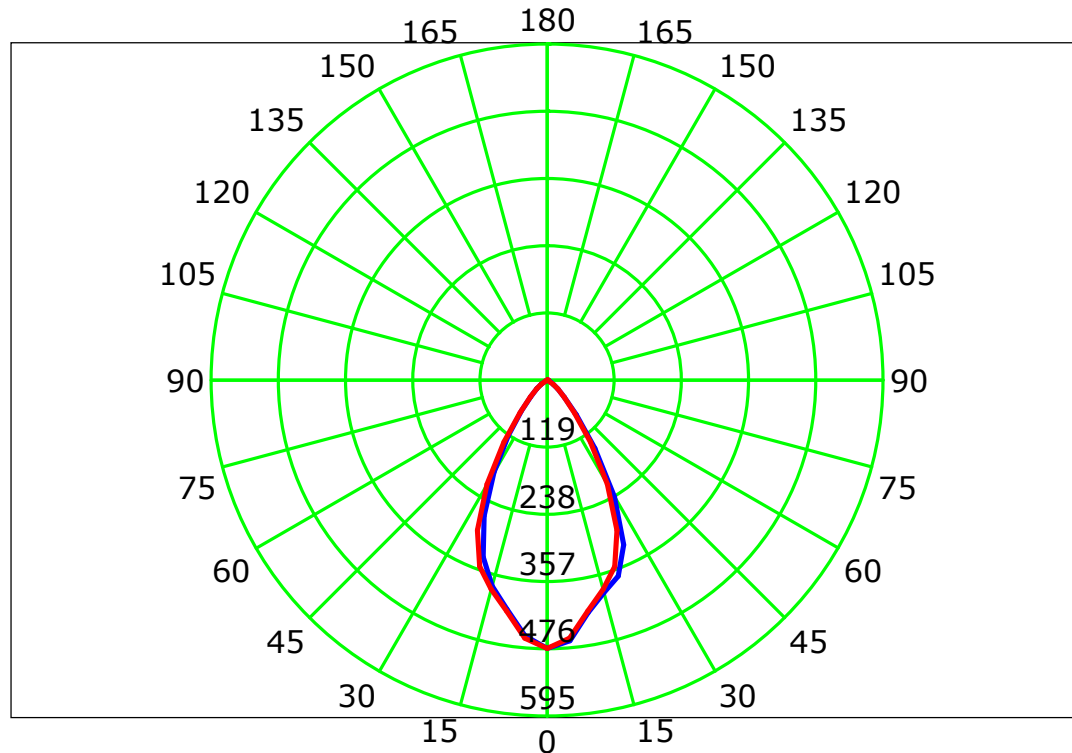
Picture Of Luminaire



Luminous Intensity Distribution Curve



## Luminous Intensity Distribution Curve

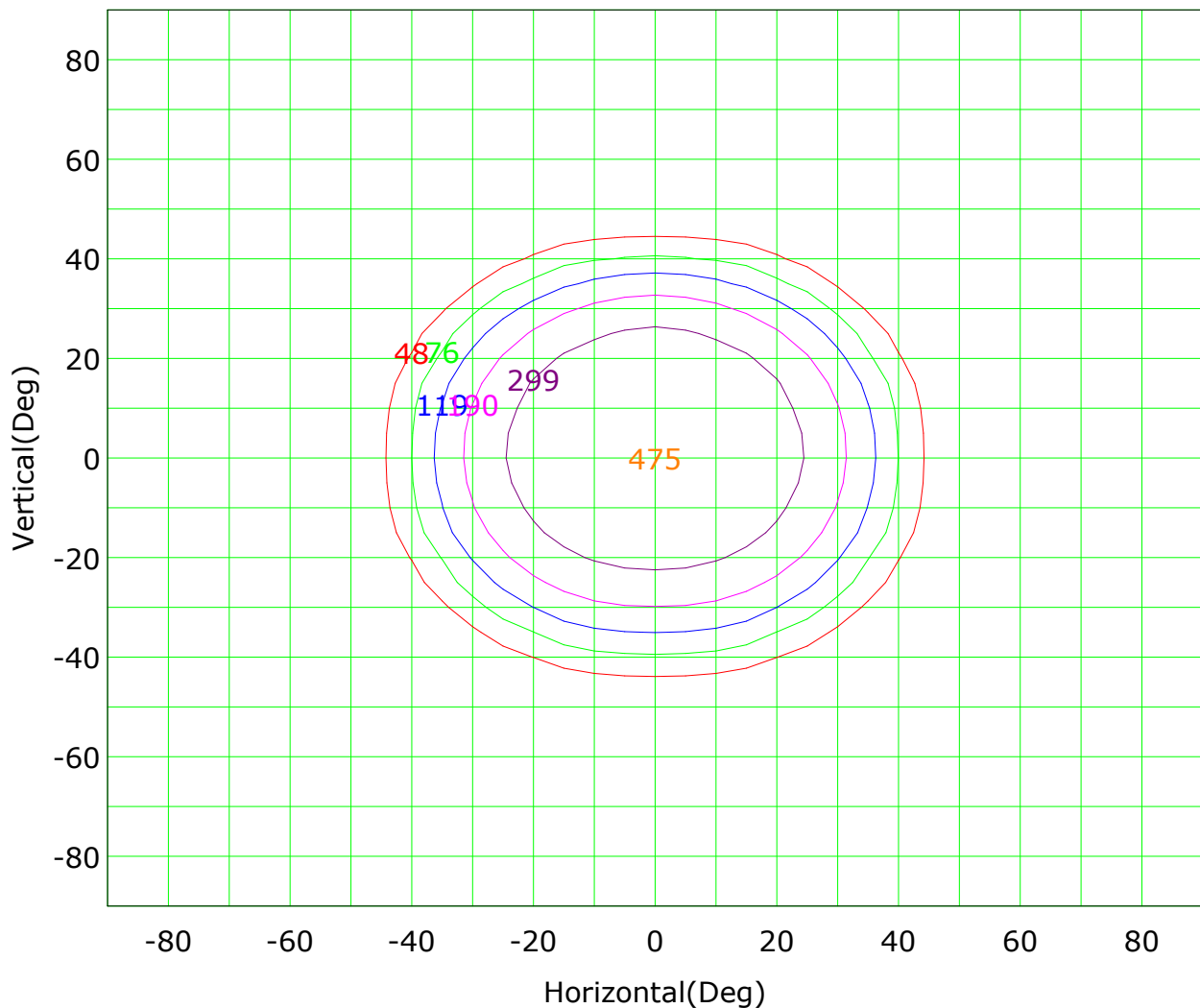


Unit: cd

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:

## Isocandela (rectangle)



Imax (100%): 475 cd

( 10%):	48 cd	( 16%):	76 cd
( 25%):	119 cd	( 40%):	190 cd
( 63%):	299 cd	(100%):	475 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

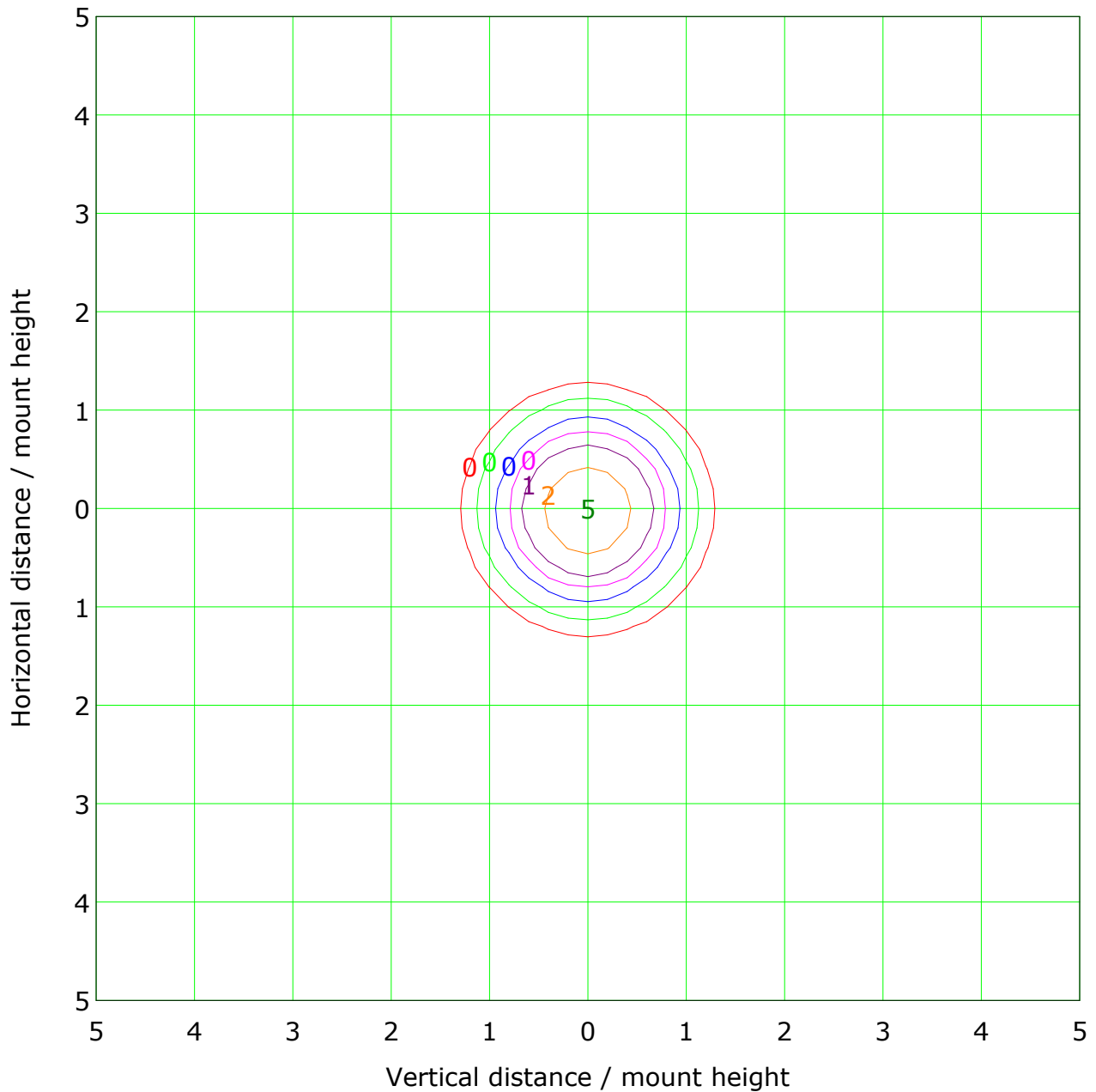
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

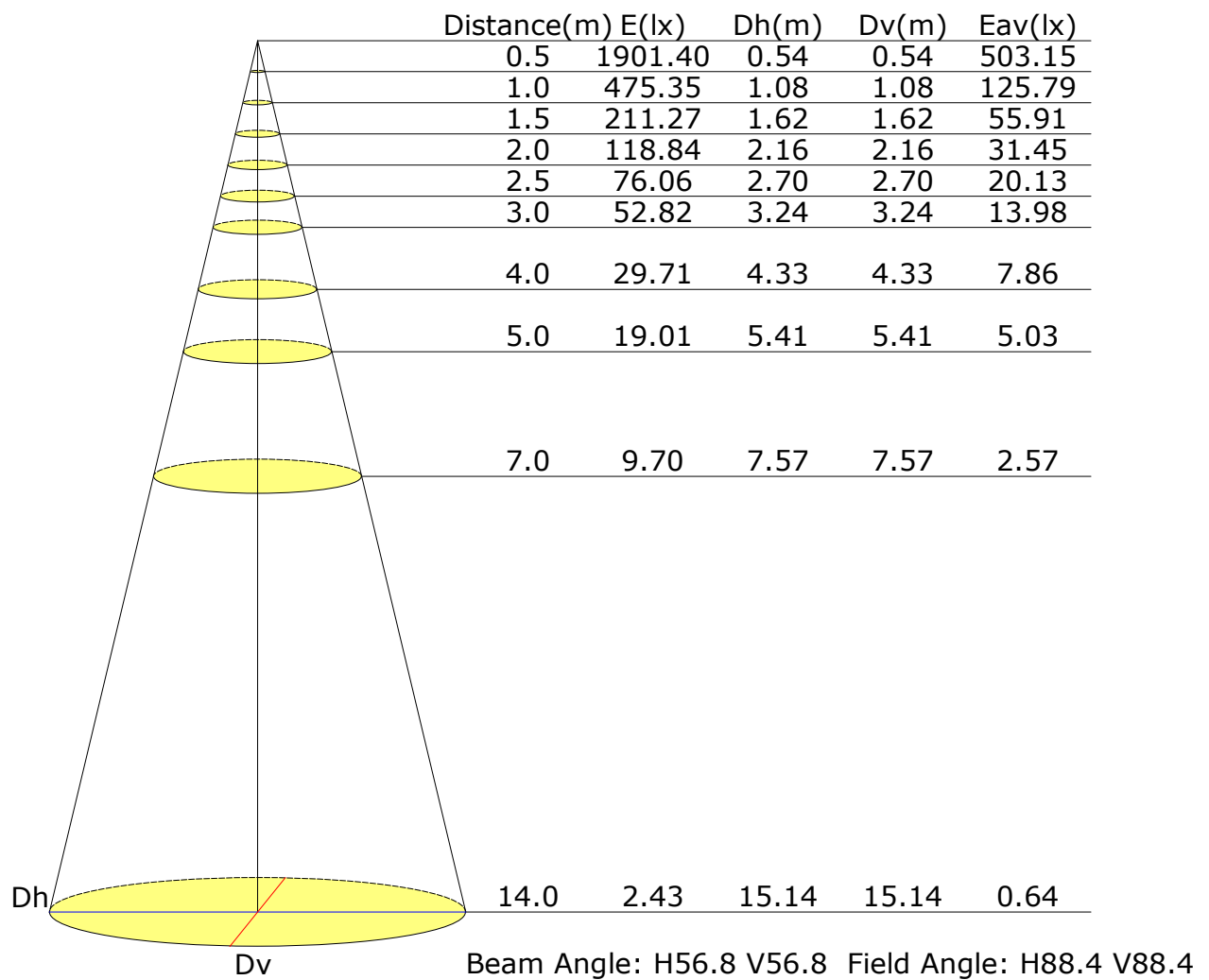


Mounting Height: 10m    Max Lux(100%): 5 lx			
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	0 lx	— ( 10%):	0 lx
— ( 20%):	1 lx	— ( 50%):	2 lx
— (100%):	5 lx		

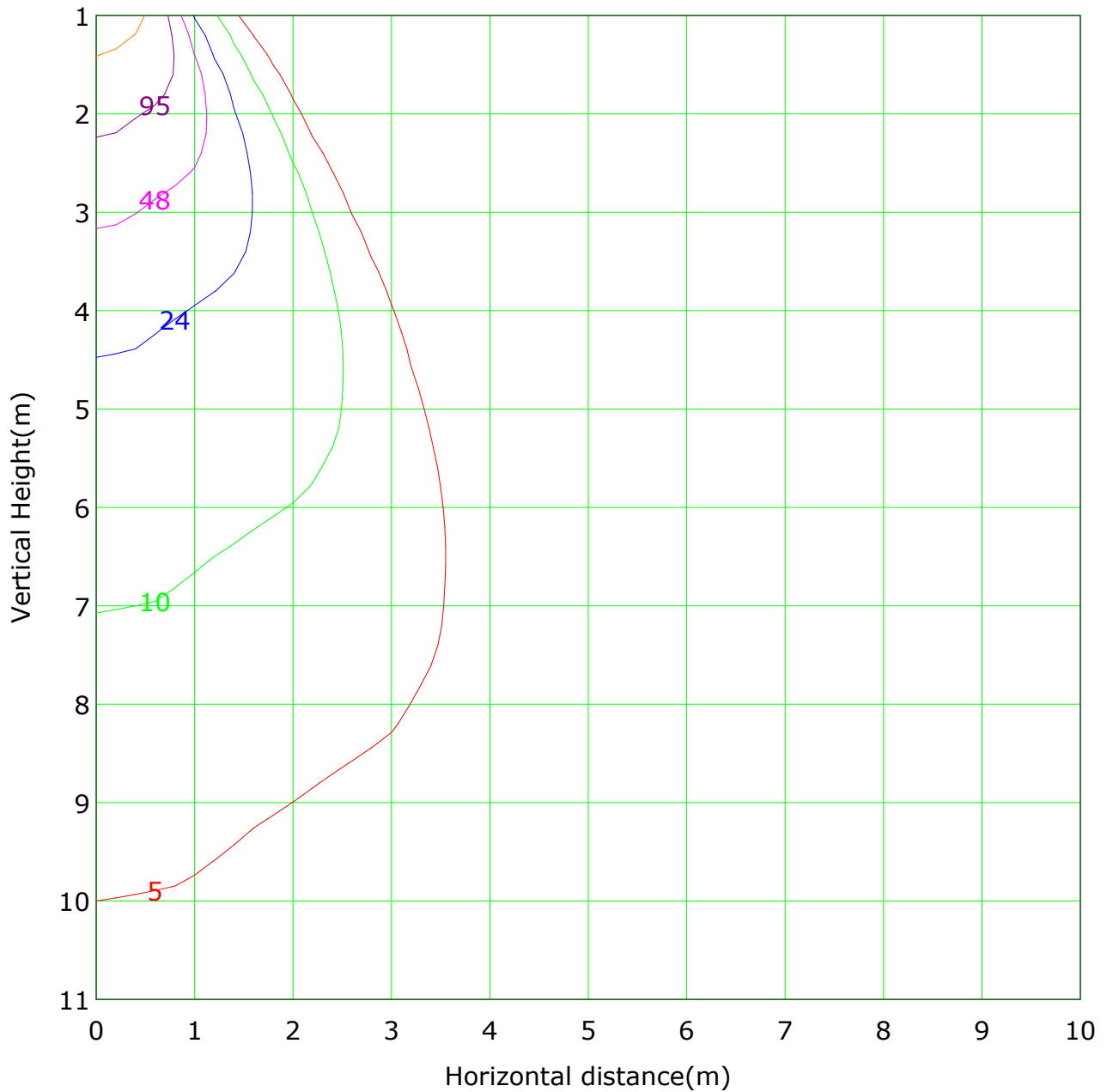
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



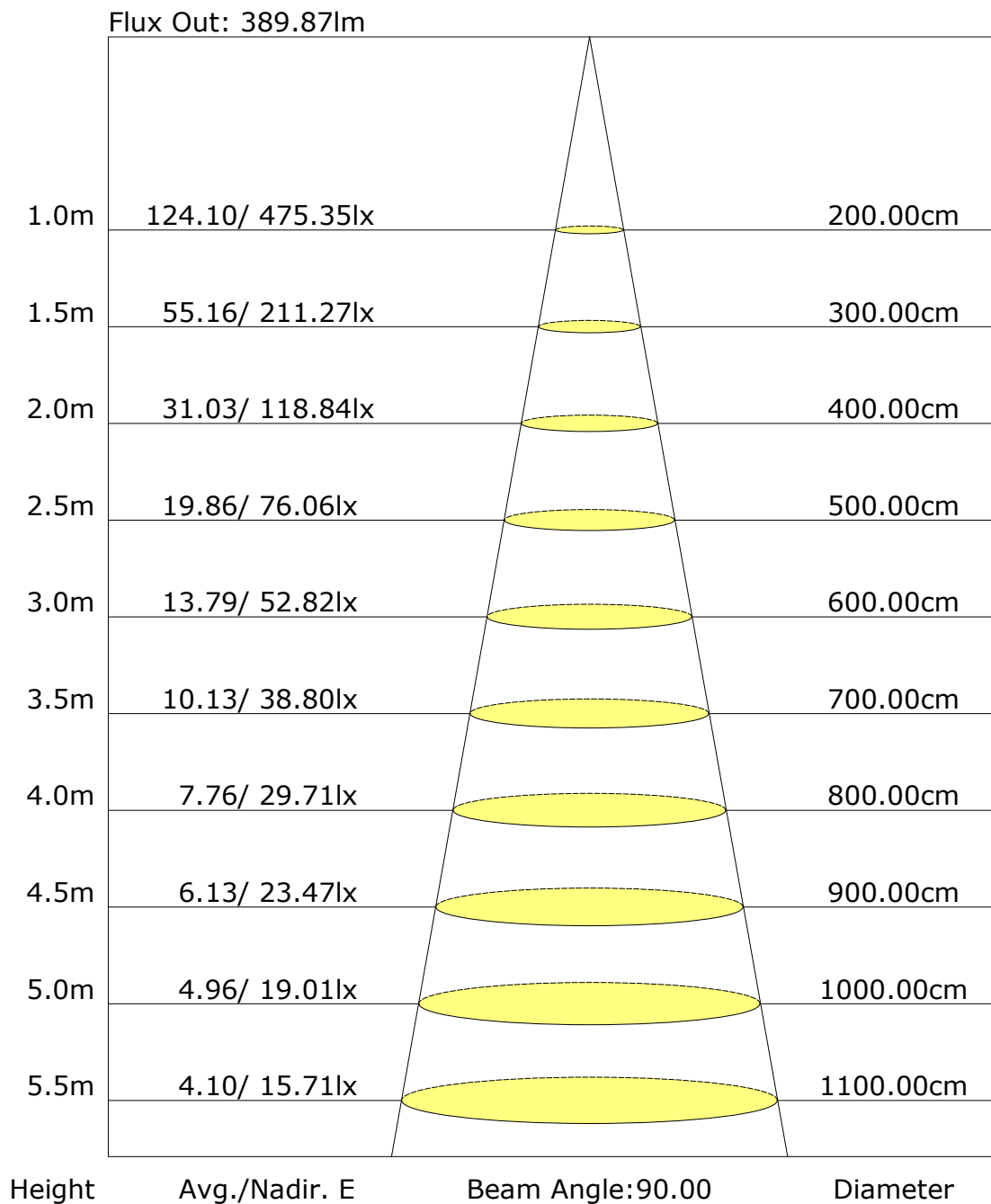
Lowest(m): 1m    Highest(m): 11    Max Lux: 475

( 1%): 5 lx	( 2%): 10 lx
( 5%): 24 lx	( 10%): 48 lx
( 20%): 95 lx	( 50%): 238 lx
(100%): 475 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: