

Report No.: 52.10019 ECO Down Light

Test Time: 2023-07-01 09:22

## Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Luminaire Description: 15D

Current: 0.156 A

Power Factor: 0.976

Voltage: 206.0 V

Power: 31.70 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 3173.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17.2

Vertical Diffuse Angle(50%): V17.2

Luminaire Efficacy Rating (LER): 100

Max. Intensity: 23863.72 cd

Total Rated Lamp Lumens: 3173.3 lm

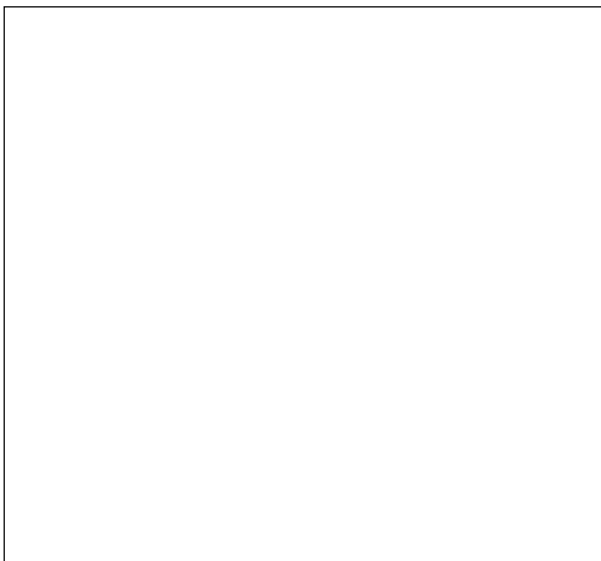
Efficiency: 100%

Upward Ratio: 0%

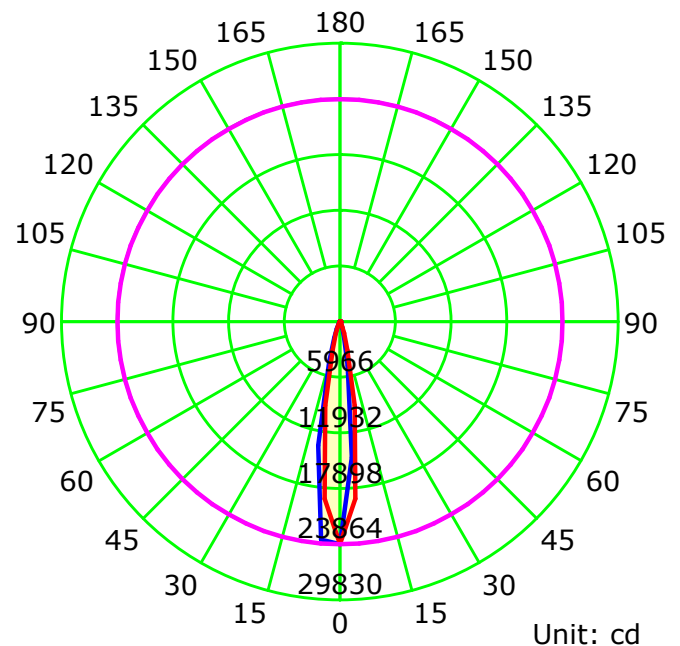
Central Intensity: 23863.71 cd

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

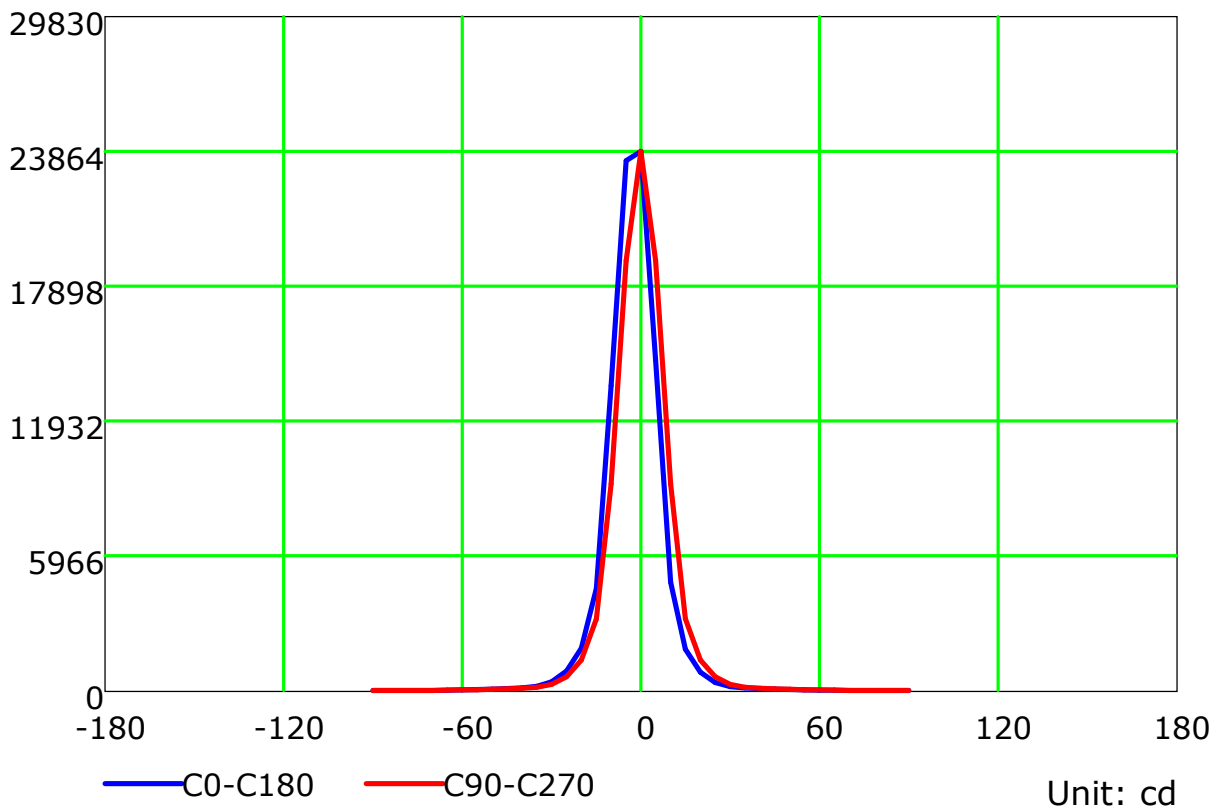
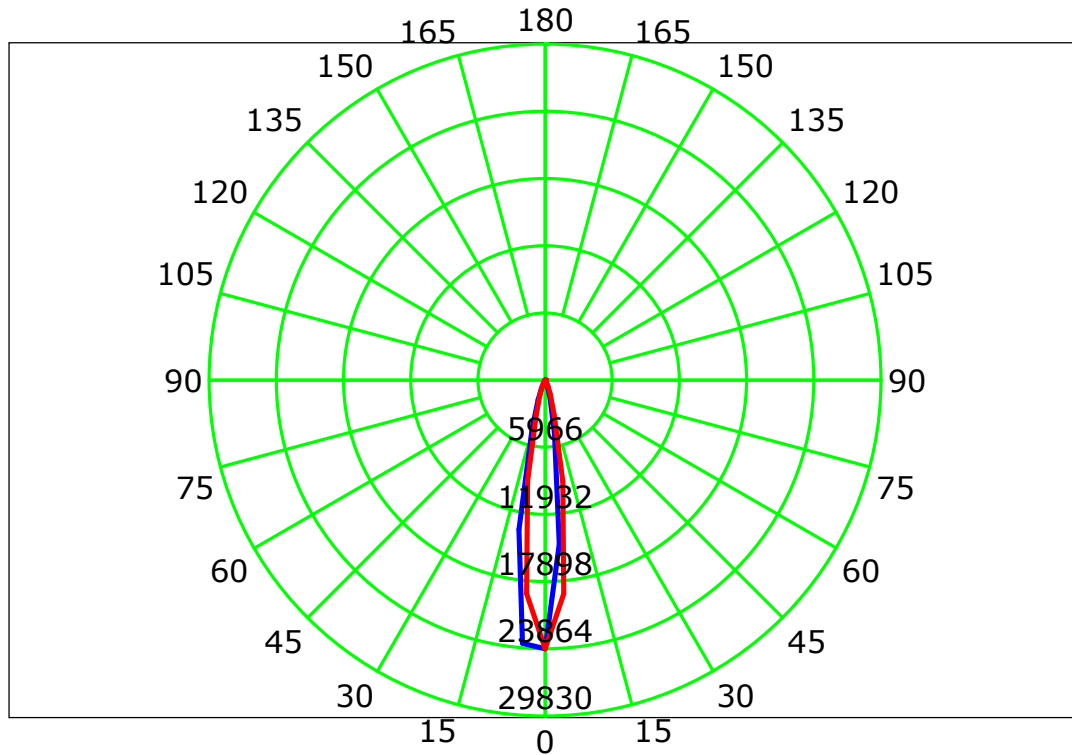
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

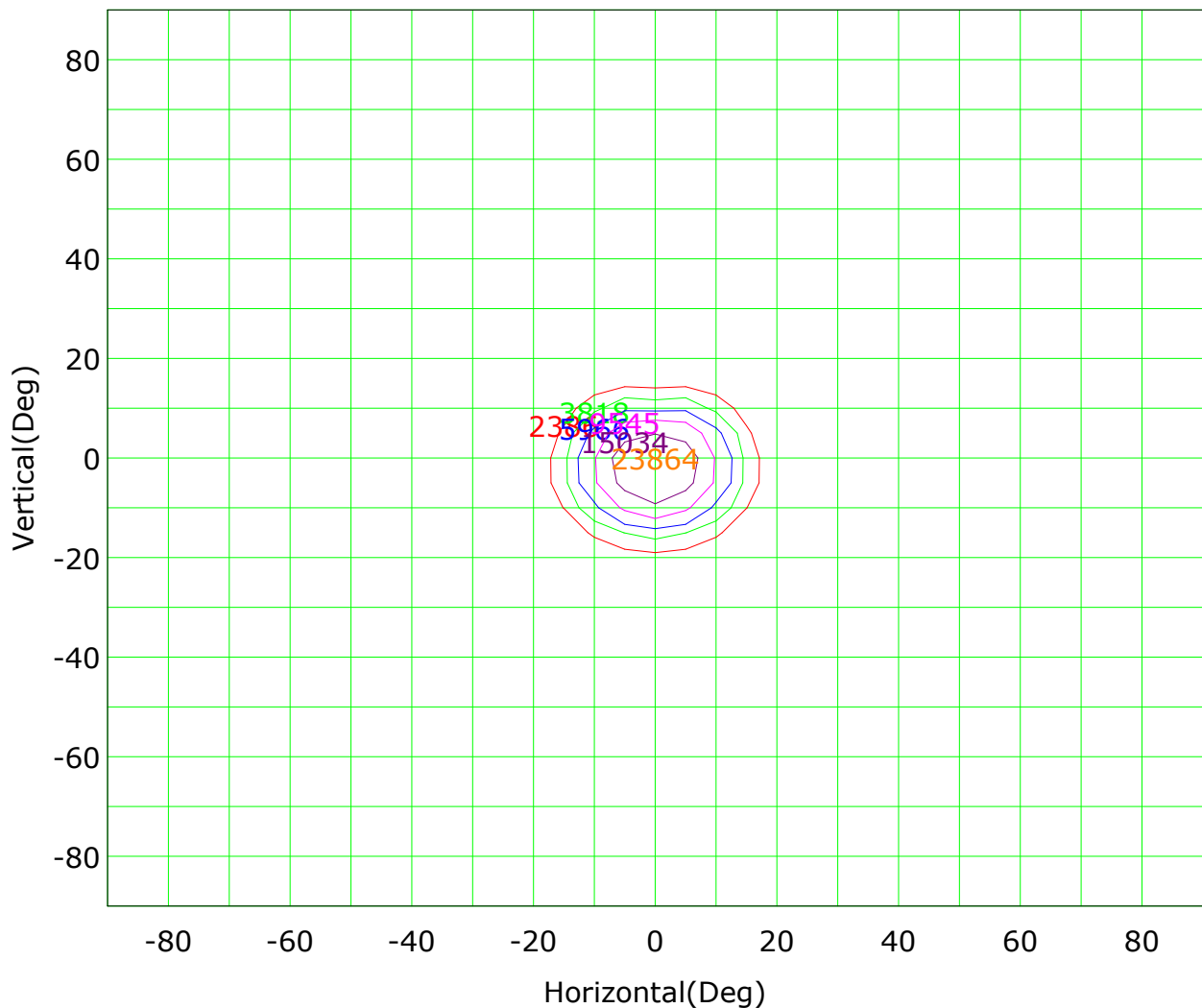
## Luminous Intensity Distribution Curve



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%): 23864 cd

( 10%): 2386 cd	( 16%): 3818 cd
( 25%): 5966 cd	( 40%): 9545 cd
( 63%): 15034 cd	(100%): 23864 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

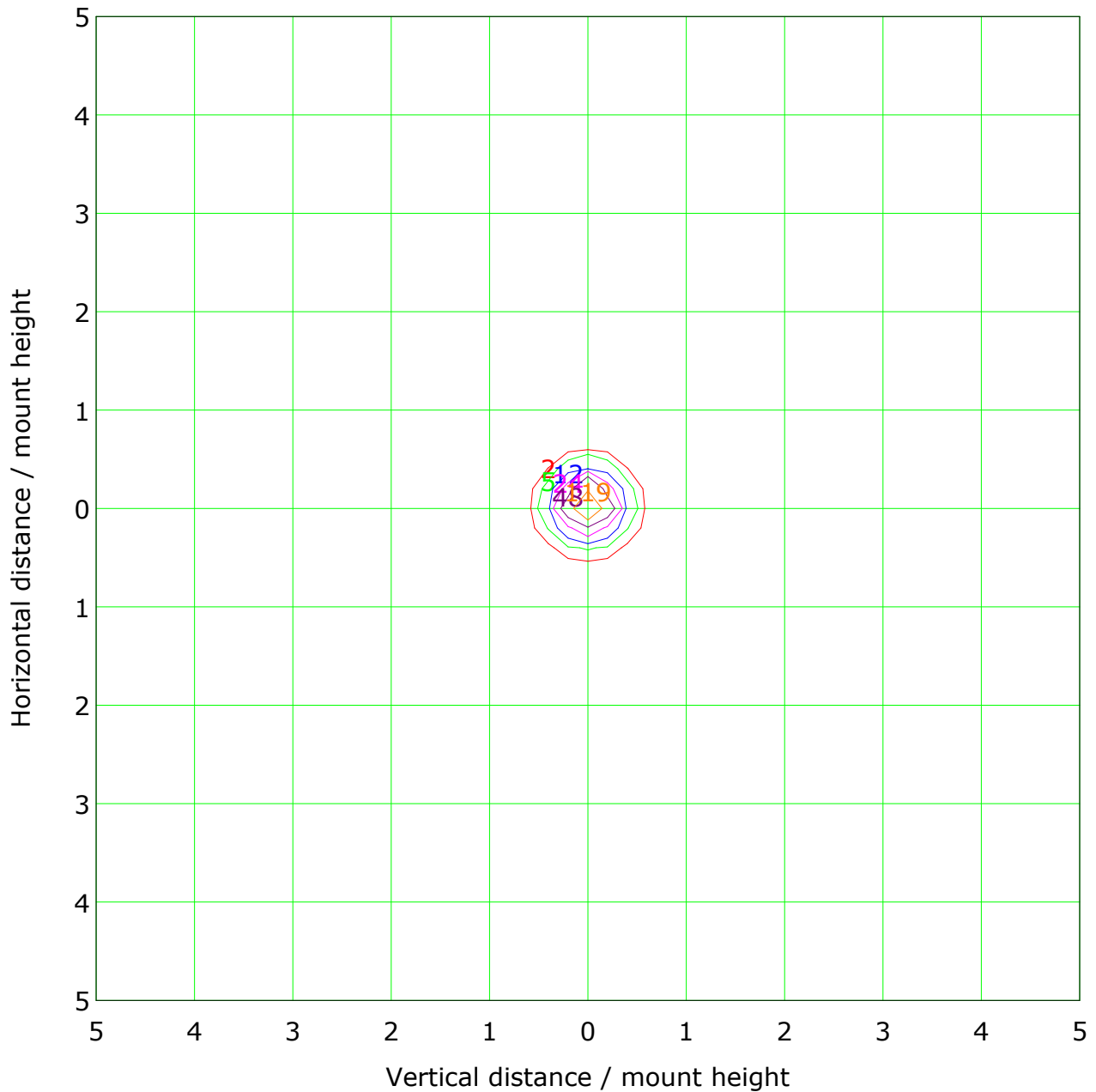
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

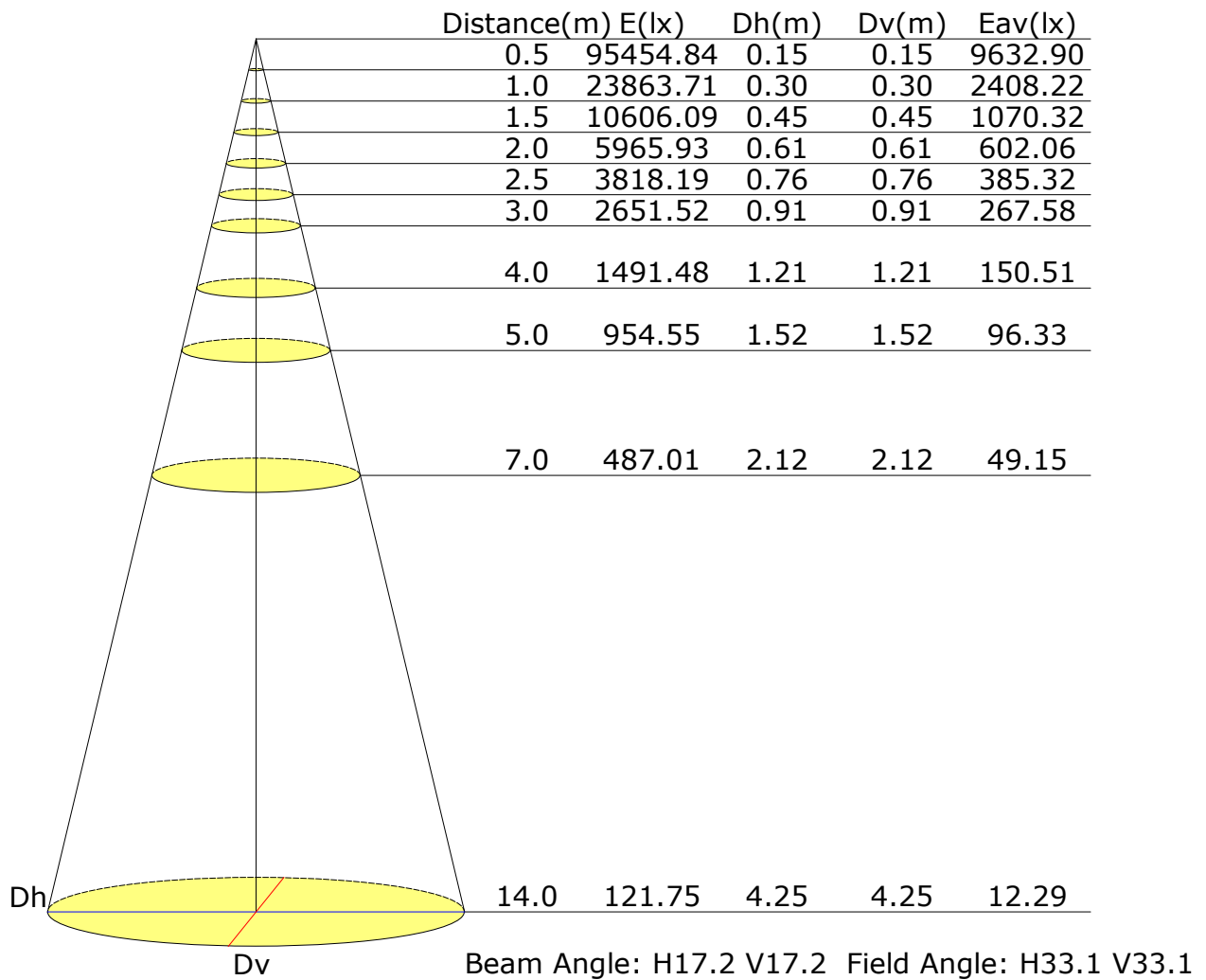


Mounting Height: 10m		Max Lux(100%): 239 lx	
( 1%):	2 lx	( 2%):	5 lx
( 5%):	12 lx	( 10%):	24 lx
( 20%):	48 lx	( 50%):	119 lx
(100%):	239 lx		

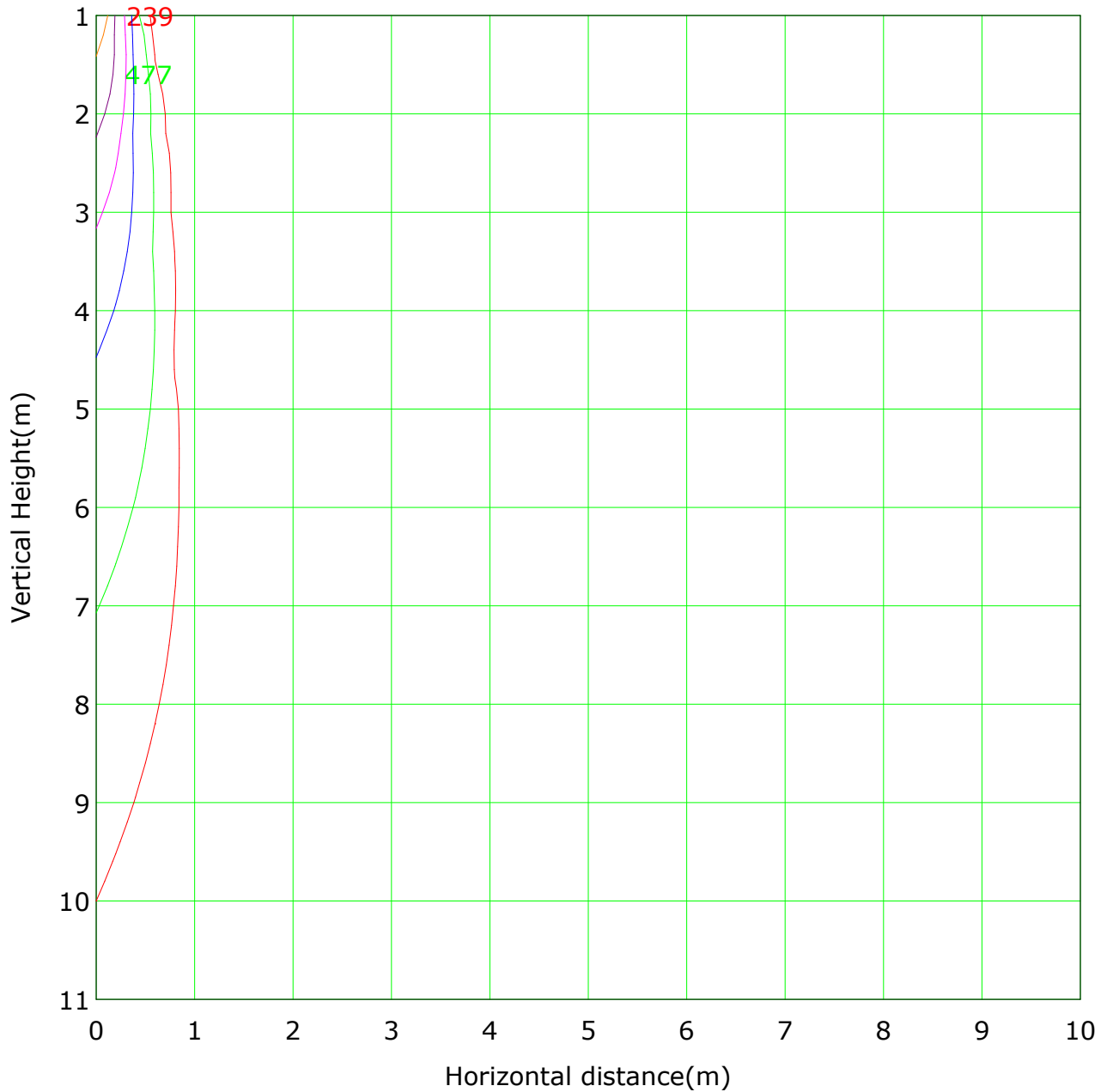
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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

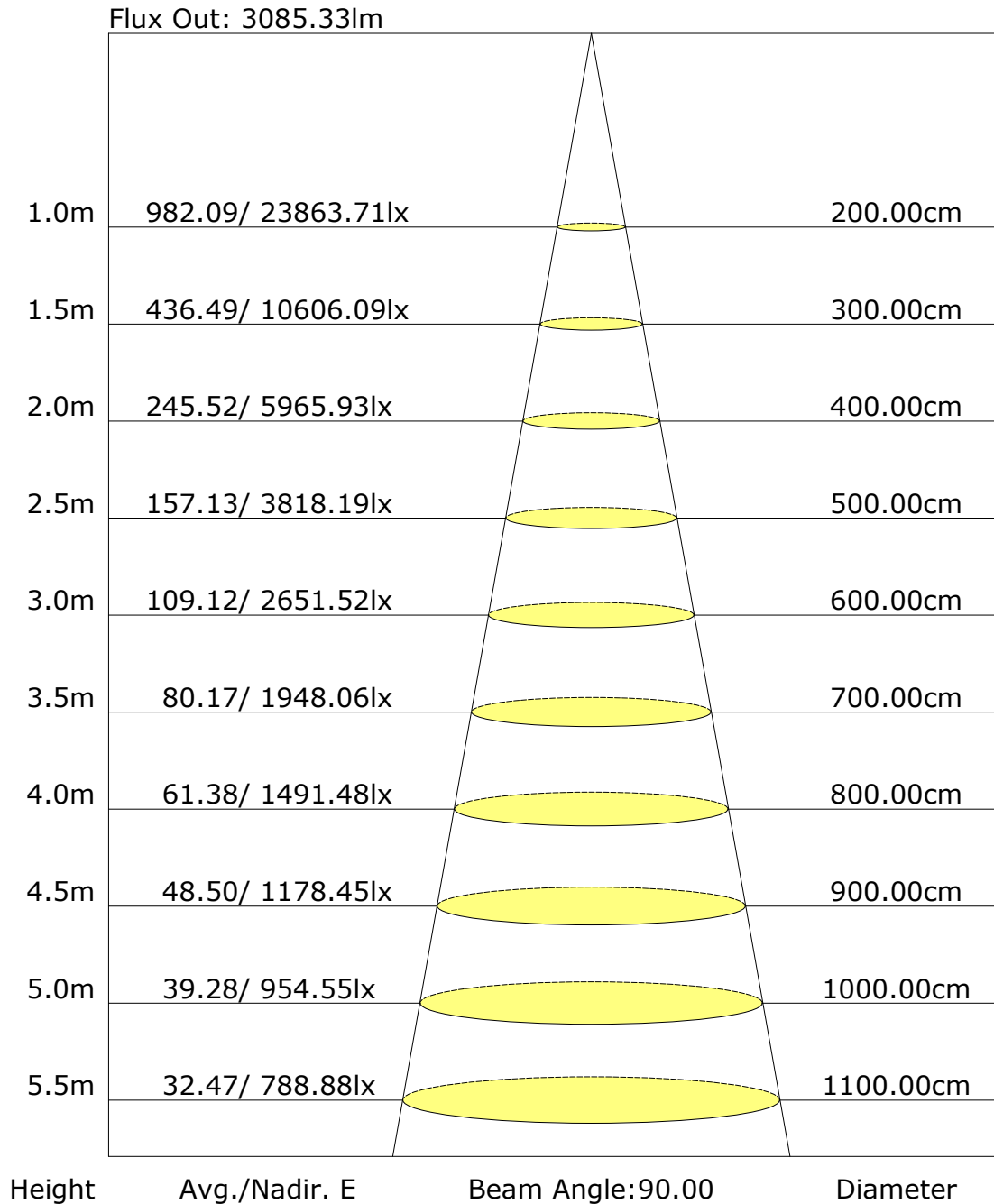


Lowest(m): 1m    Highest(m): 11    Max Lux: 23864  
— ( 1%): 239 lx                      — ( 2%): 477 lx  
— ( 5%): 1193 lx                      — ( 10%): 2386 lx  
— ( 20%): 4773 lx                      — ( 50%): 11932 lx  
— (100%): 23864 lx

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: