

Report No.: 52.08013 SILM Downlight

Test Time: 2023-09-19 10:45

## Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90

Voltage: 216.3 V

Current: 0.154 A

Power: 32.30 W

Power Factor: 0.966

## Photometric Results

CIE Class: Direct

Measurement Flux: 3129.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H21.6

Vertical Diffuse Angle(50%): V21.6

Luminaire Efficacy Rating (LER): 97

Max. Intensity: 16528.43 cd

Total Rated Lamp Lumens: 3129.8 lm

Efficiency: 100%

Upward Ratio: 0%

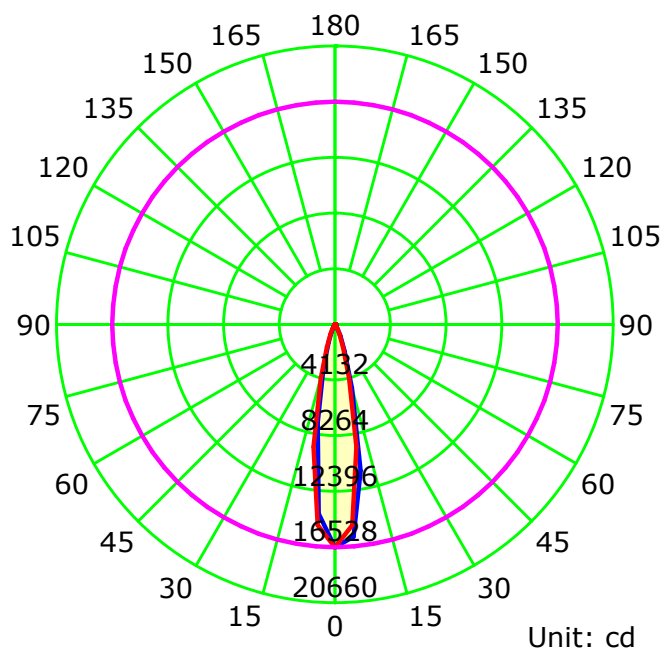
Central Intensity: 16528.43 cd

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

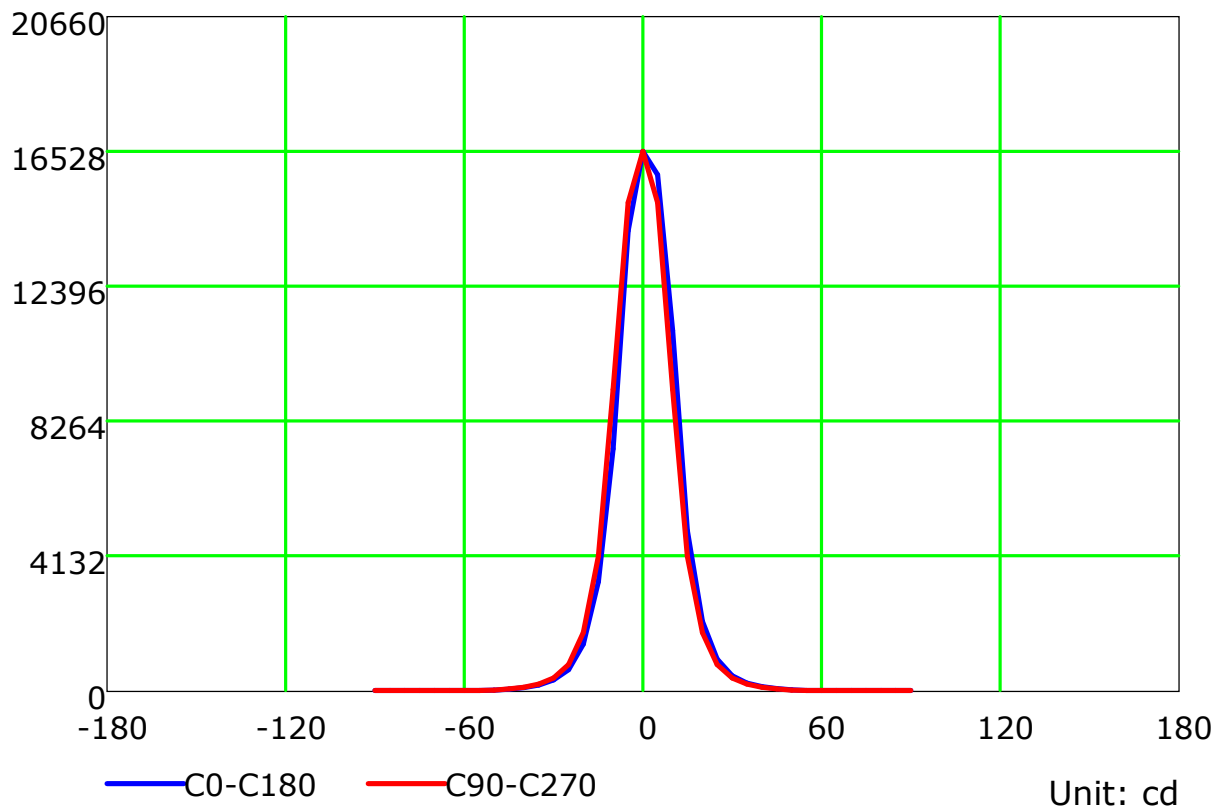
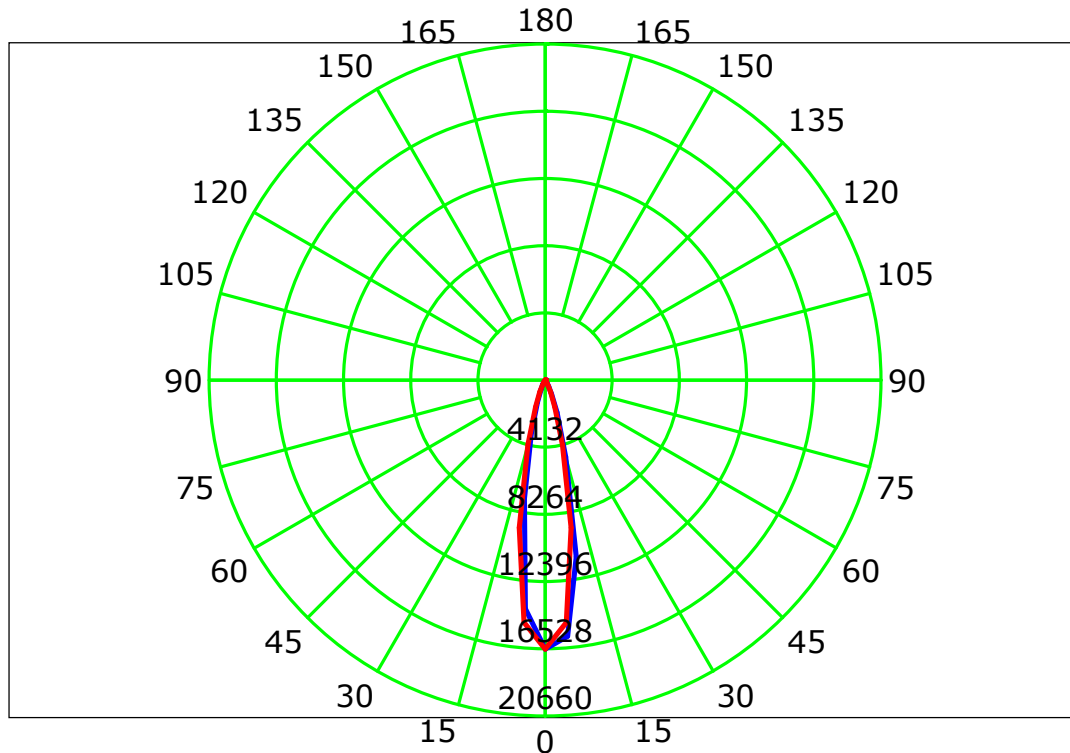
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

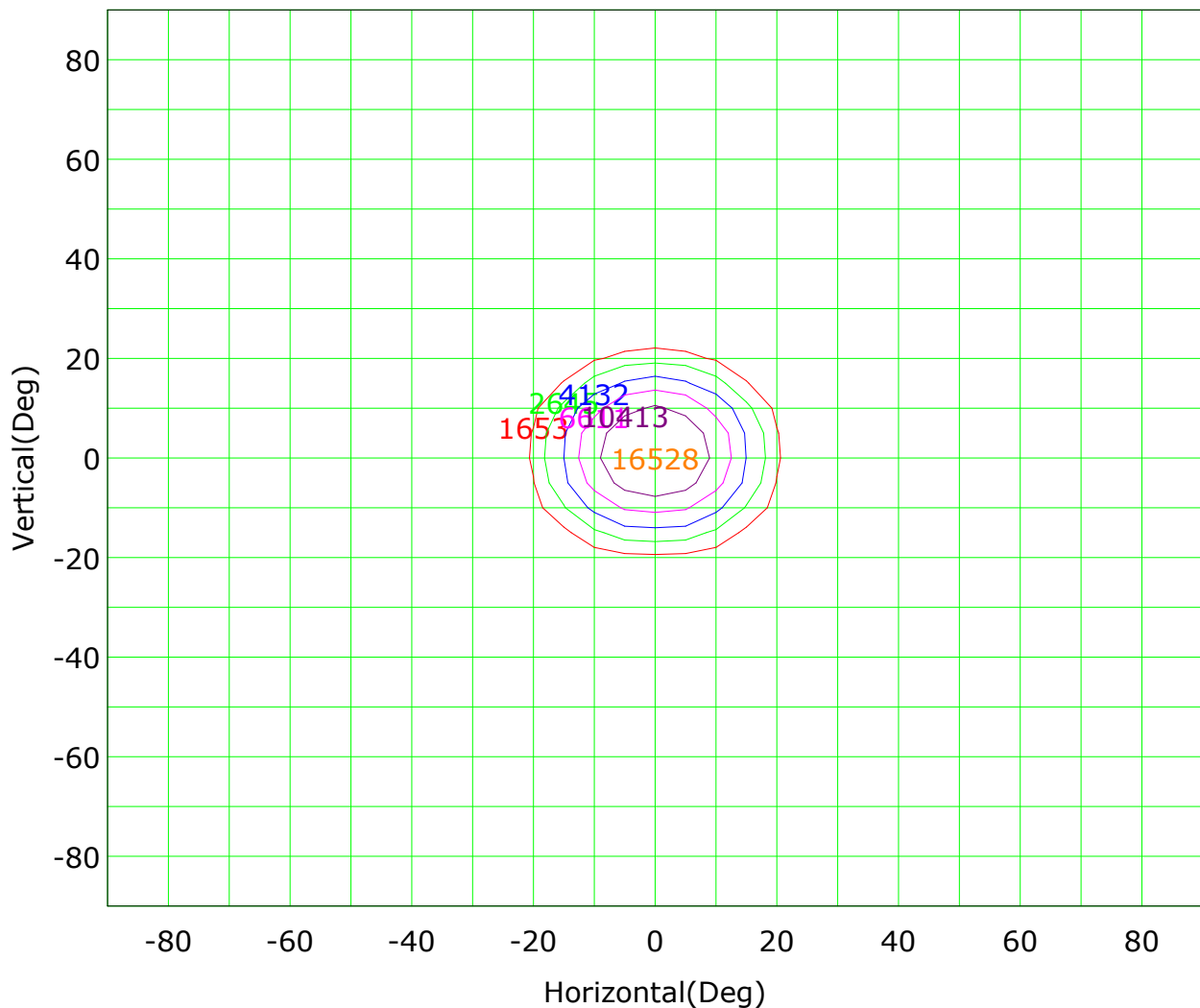
## Luminous Intensity Distribution Curve



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%): 16528 cd

( 10%): 1653 cd	( 16%): 2645 cd
( 25%): 4132 cd	( 40%): 6611 cd
( 63%): 10413 cd	(100%): 16528 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

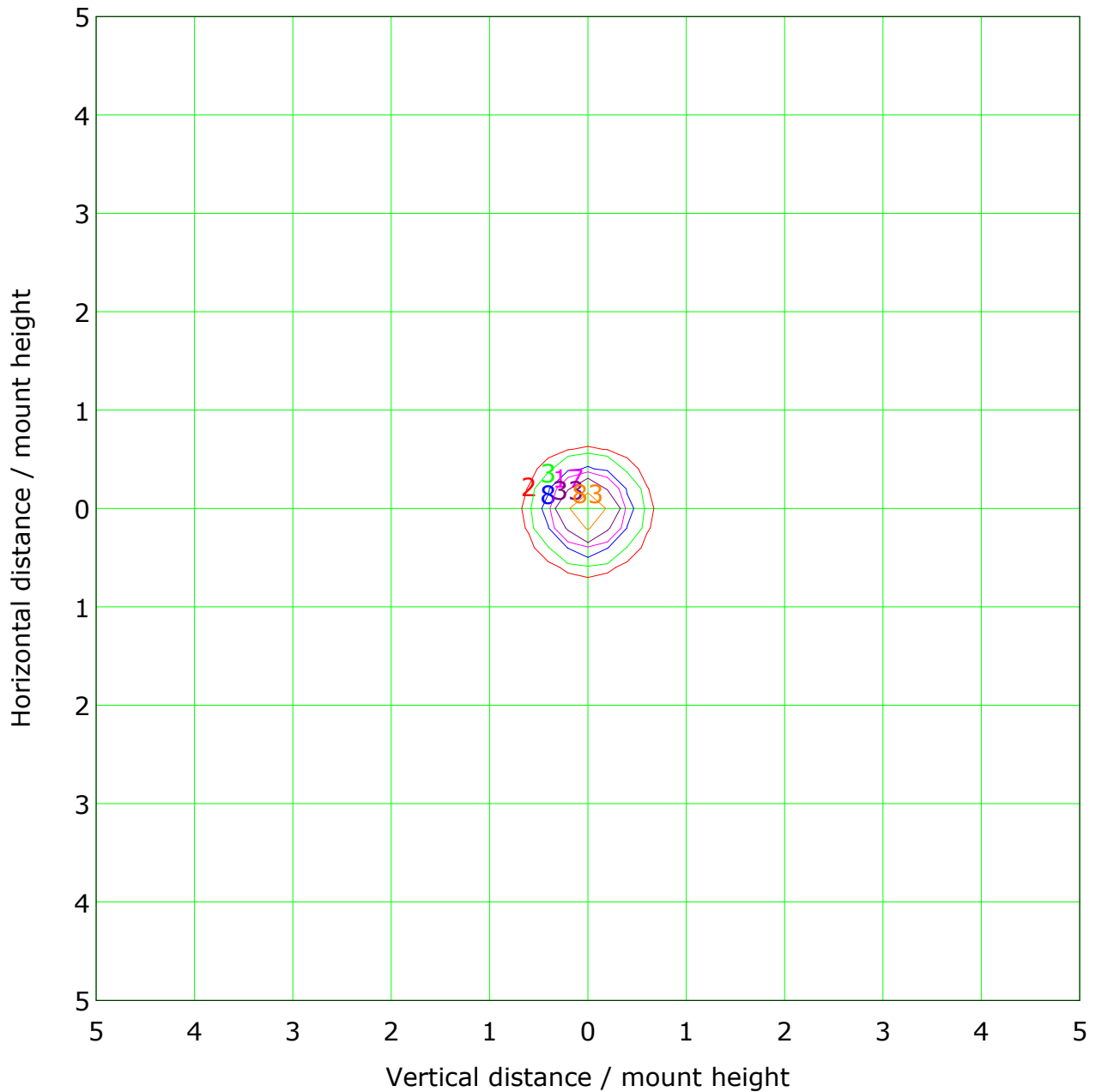
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

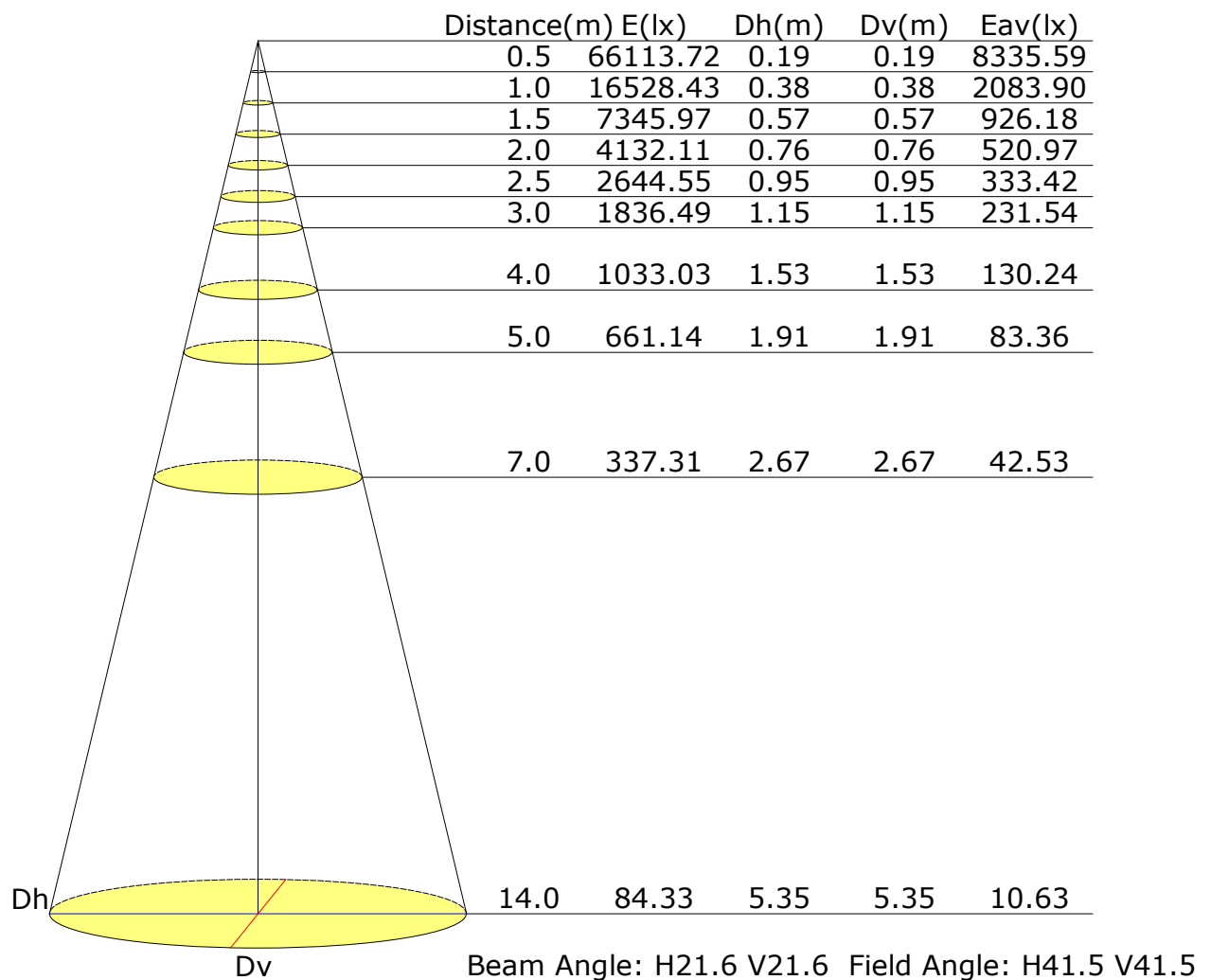


Mounting Height: 10m		Max Lux(100%): 165 lx	
— ( 1%):	2 lx	— ( 2%):	3 lx
— ( 5%):	8 lx	— ( 10%):	17 lx
— ( 20%):	33 lx	— ( 50%):	83 lx
— (100%):	165 lx		

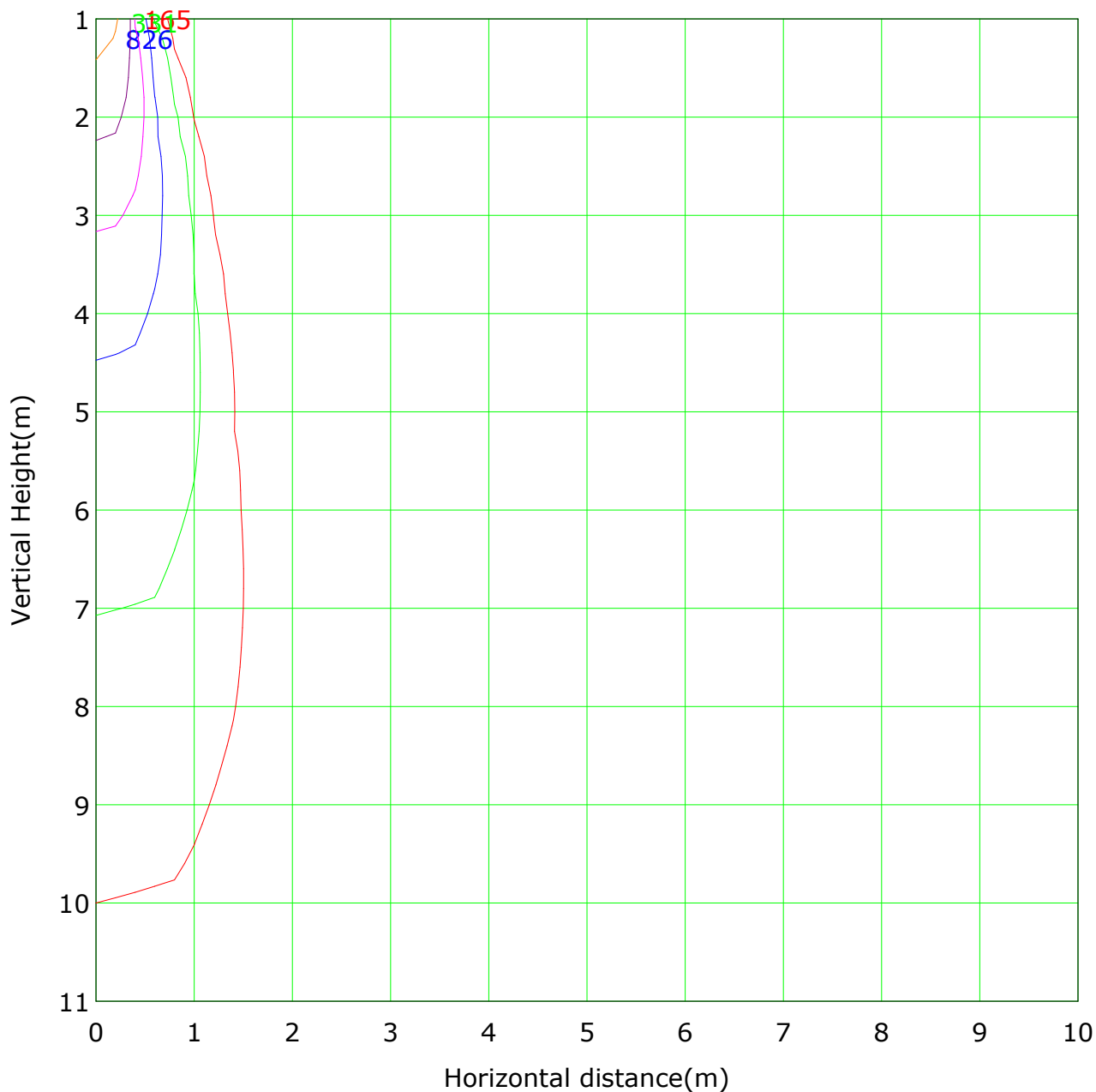
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



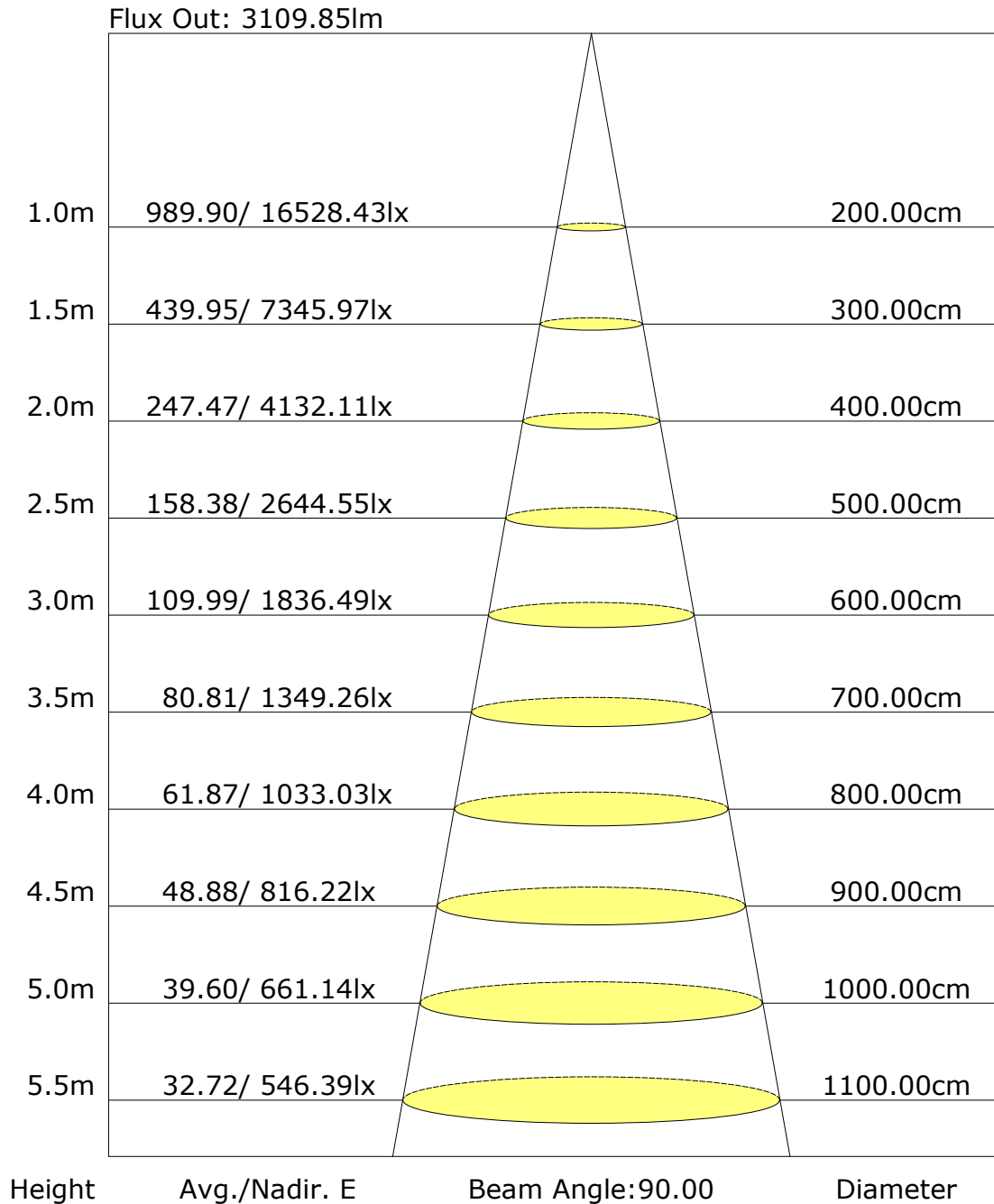
Lowest(m): 1m    Highest(m): 11    Max Lux: 16528

( 1%): 165 lx	( 2%): 331 lx
( 5%): 826 lx	( 10%): 1653 lx
( 20%): 3306 lx	( 50%): 8264 lx
(100%): 16528 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: