

Report No.: 52.07521 UTH Down Light

Test Time: 2023-10-12 18:10

## Luminaire Property

Luminaire Category: Bridgelux V6 3000K CRI90

Voltage: 229.3 V

Current: 0.066 A

Power: 8.60 W

Power Factor: 0.566

## Photometric Results

CIE Class: Direct

Measurement Flux: 666.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H24.2

Vertical Diffuse Angle(50%): V24.2

Luminaire Efficacy Rating (LER): 78

Max. Intensity: 3262.94 cd

Total Rated Lamp Lumens: 666.5 lm

Efficiency: 100%

Upward Ratio: 0%

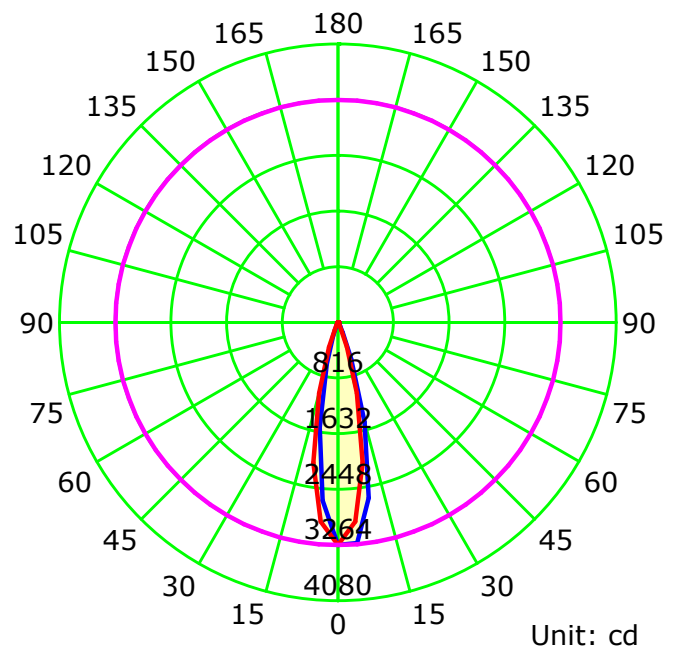
Central Intensity: 3262.94 cd

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

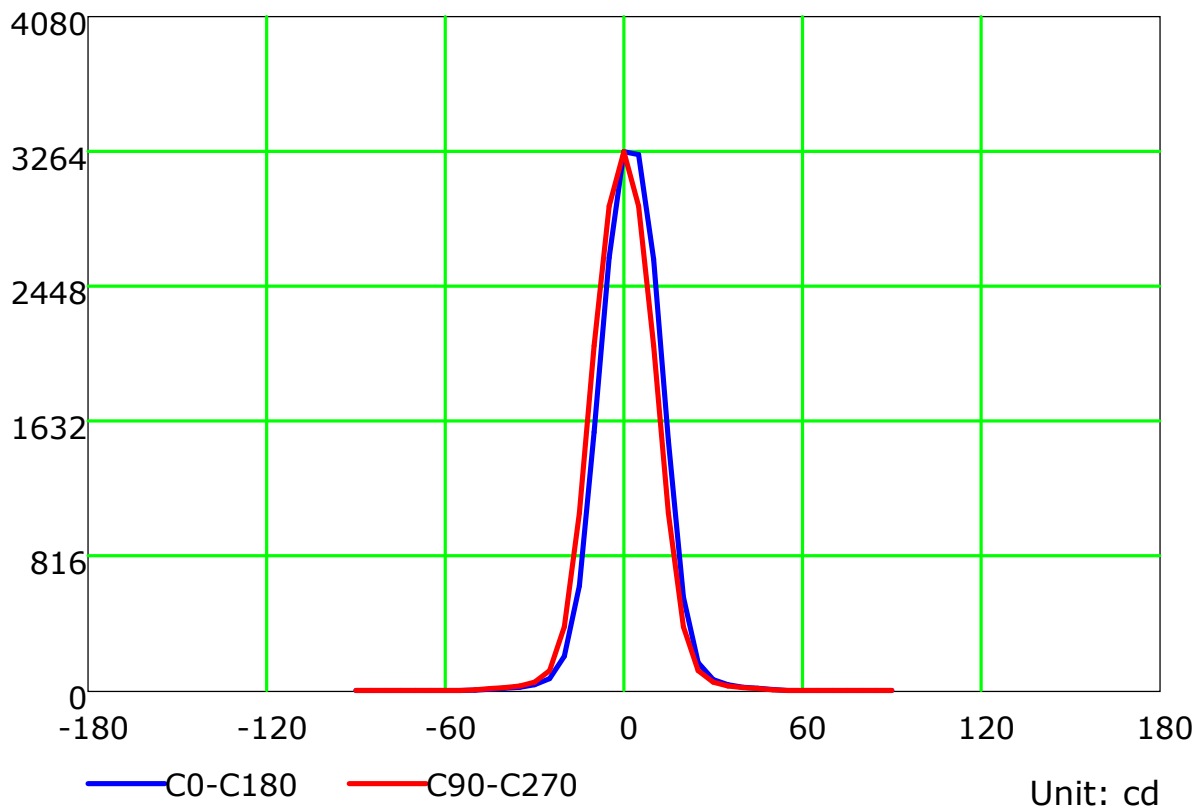
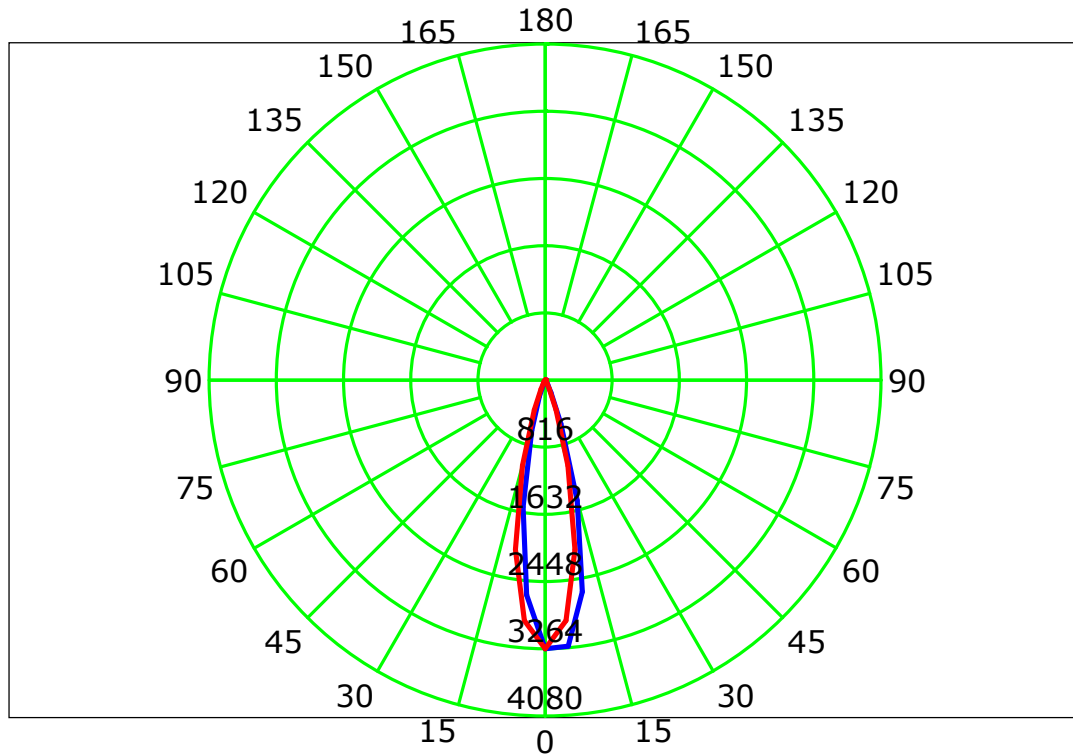
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

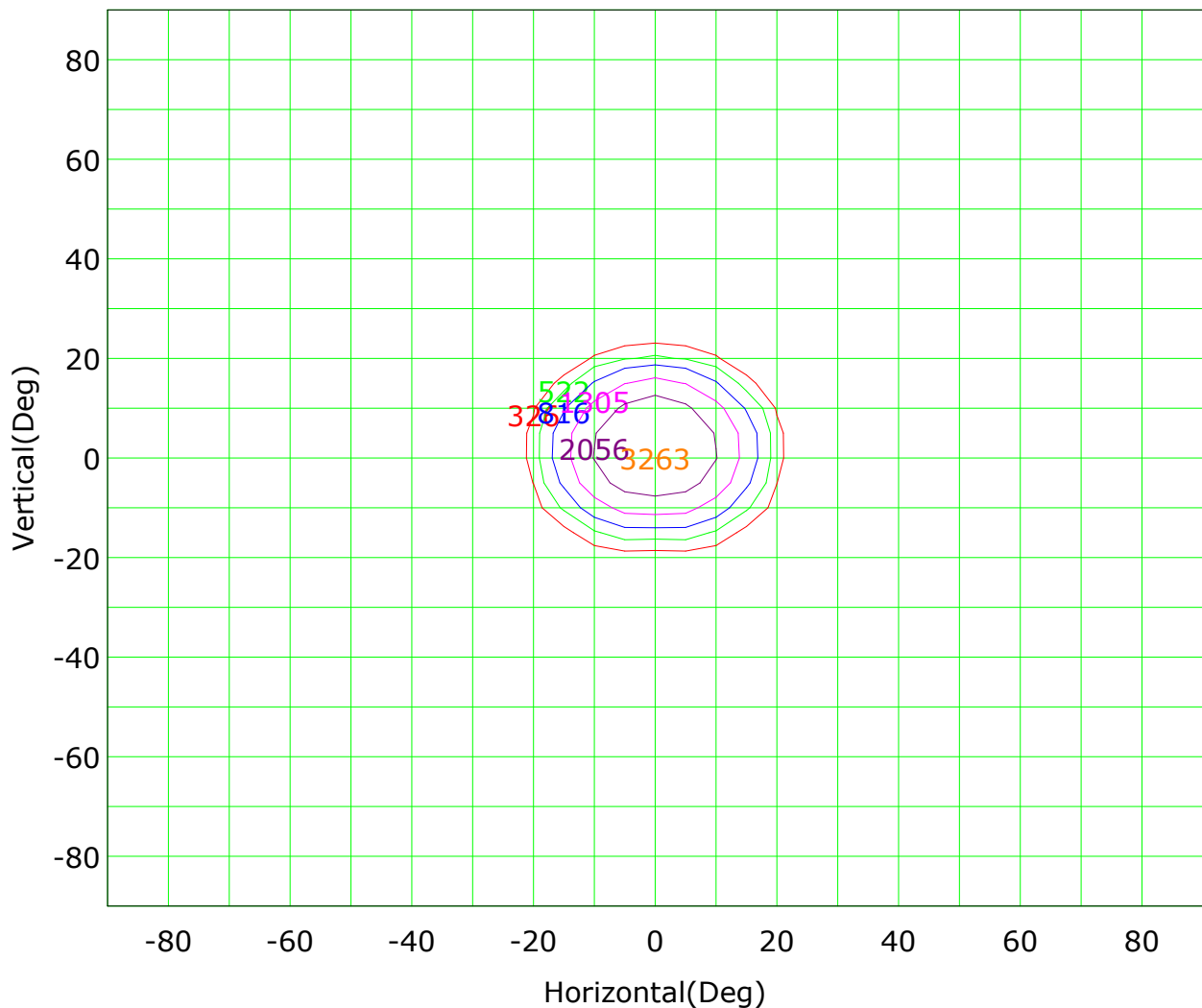
## Luminous Intensity Distribution Curve



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%): 3263 cd

( 10%): 326 cd	( 16%): 522 cd
( 25%): 816 cd	( 40%): 1305 cd
( 63%): 2056 cd	(100%): 3263 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

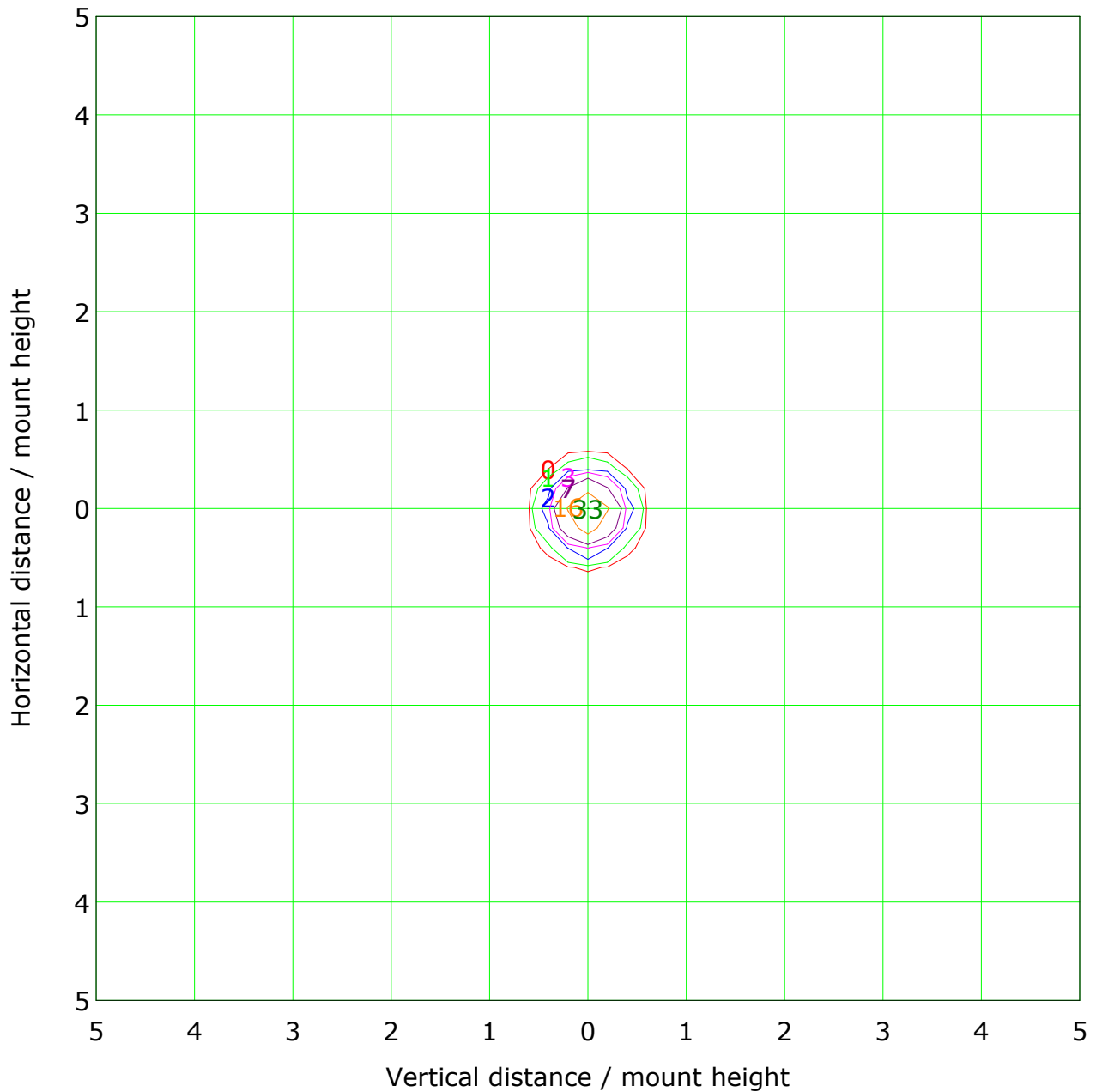
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

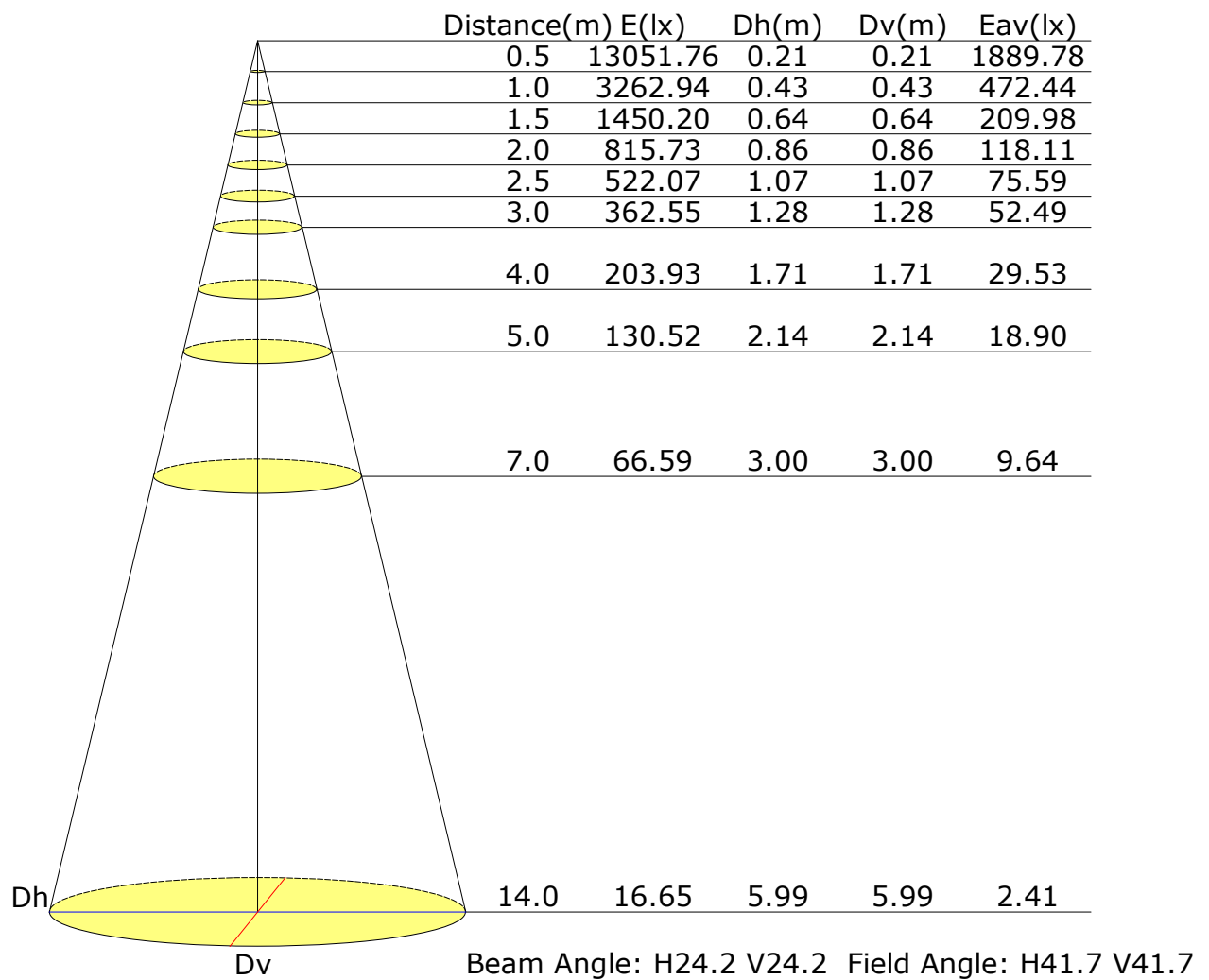


Mounting Height: 10m    Max Lux(100%): 33 lx			
— ( 1%):	0 lx	— ( 2%):	1 lx
— ( 5%):	2 lx	— ( 10%):	3 lx
— ( 20%):	7 lx	— ( 50%):	16 lx
— (100%):	33 lx		

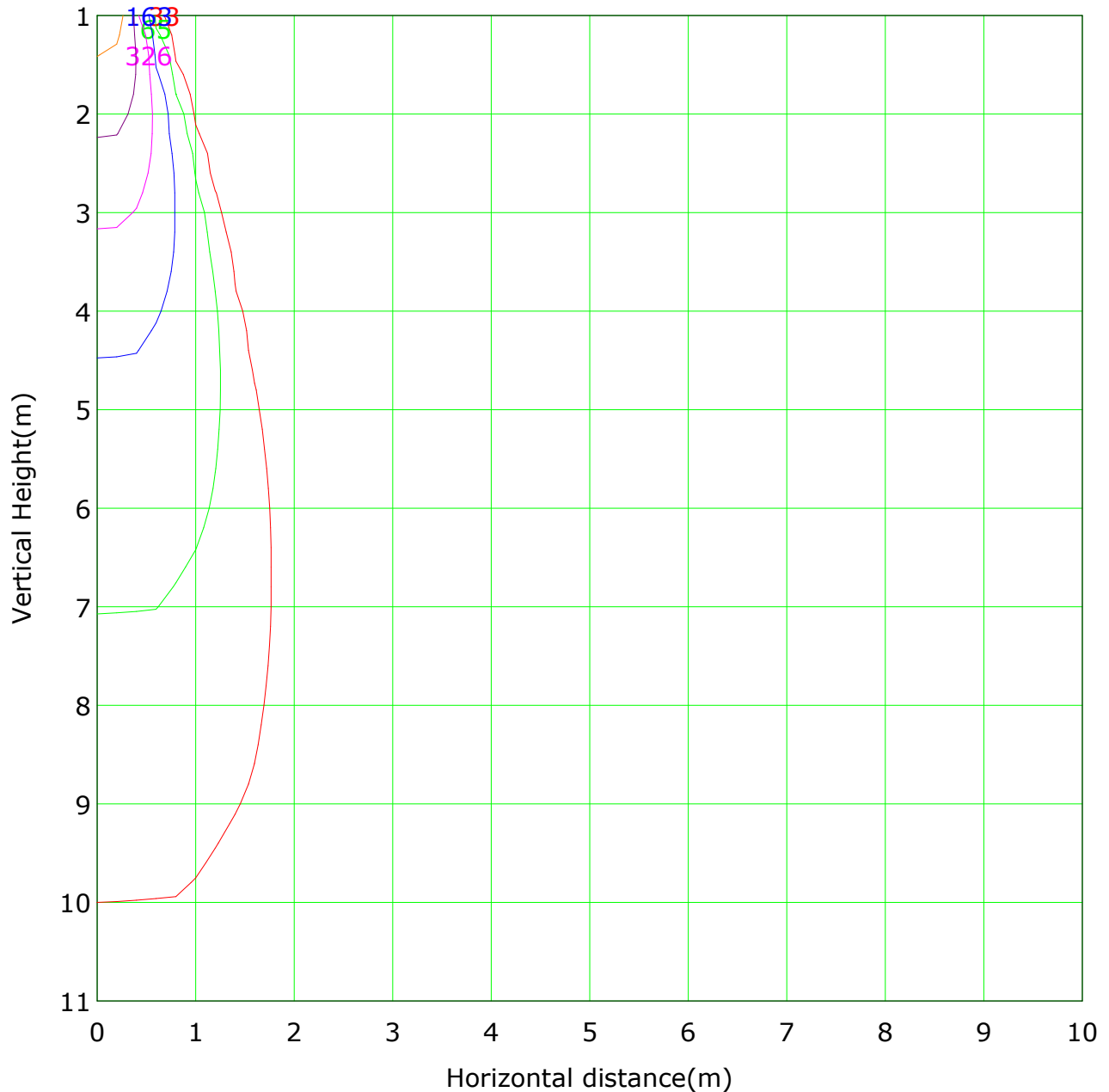
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



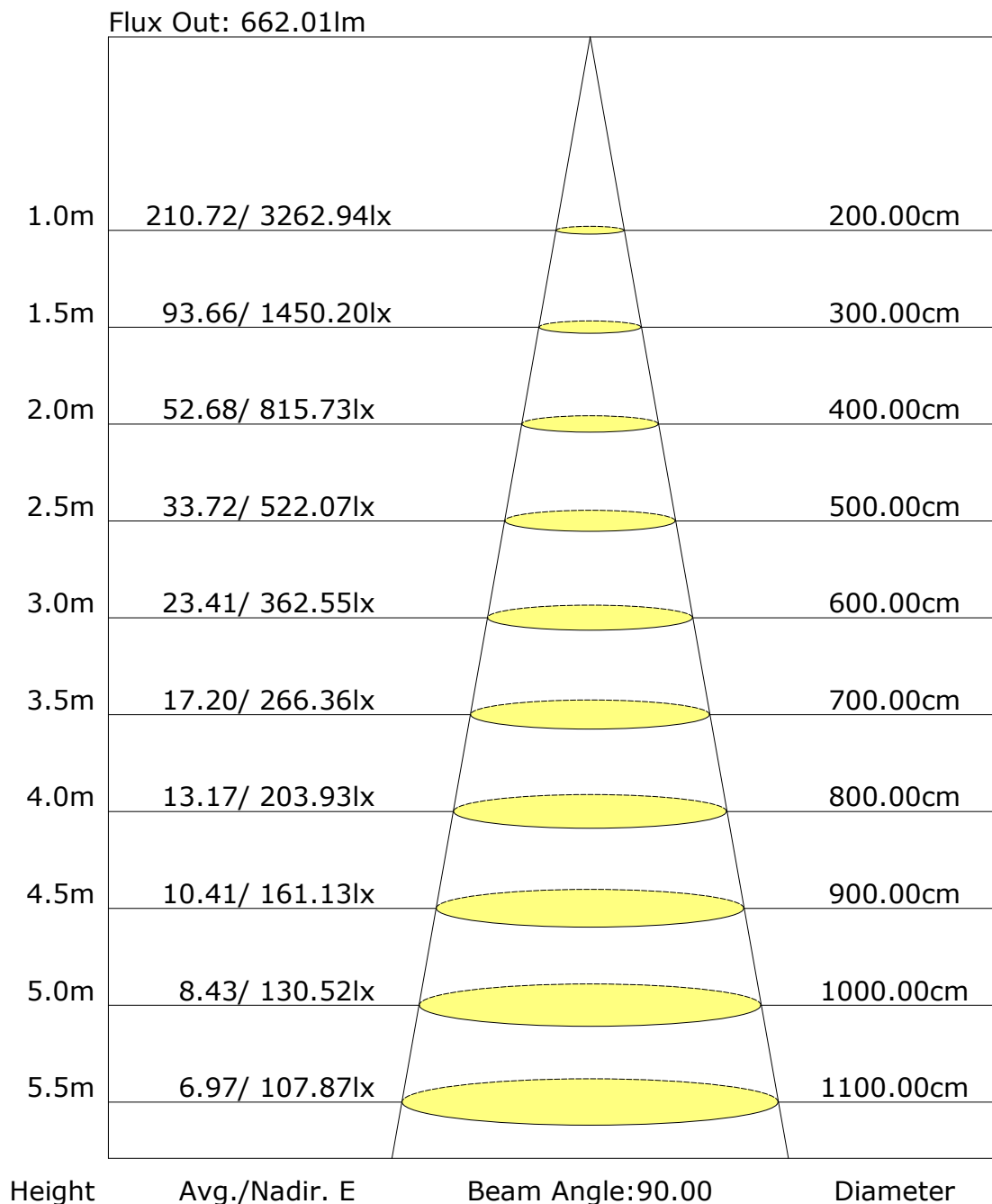
Lowest(m): 1m    Highest(m): 11    Max Lux: 3263

( 1%): 33 lx	( 2%): 65 lx
( 5%): 163 lx	( 10%): 326 lx
( 20%): 653 lx	( 50%): 1631 lx
(100%): 3263 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: