

Report No.: 56.08011 EMMA DownLight

Test Time: 2023-09-09 15:37

## Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Voltage: 222.0 V

Current: 0.171 A

Power: 36.50 W

Power Factor: 0.960

## Photometric Results

CIE Class: Direct

Measurement Flux: 4073.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H16.4

Vertical Diffuse Angle(50%): V16.4

Luminaire Efficacy Rating (LER): 112

Max. Intensity: 34581.04 cd

Total Rated Lamp Lumens: 4073.8 lm

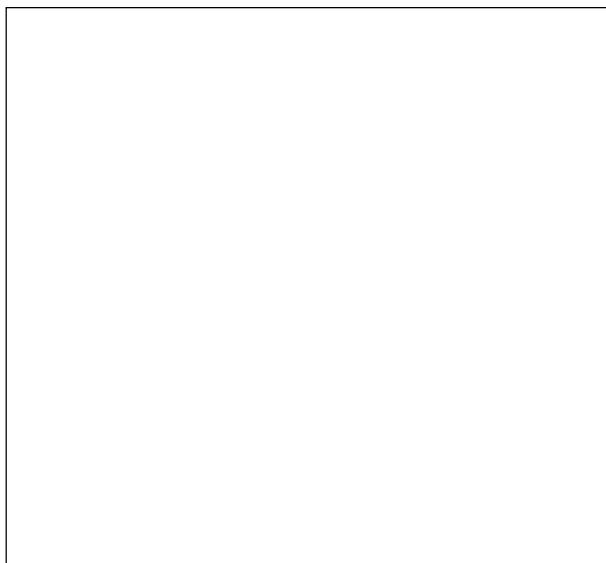
Efficiency: 100%

Upward Ratio: 0%

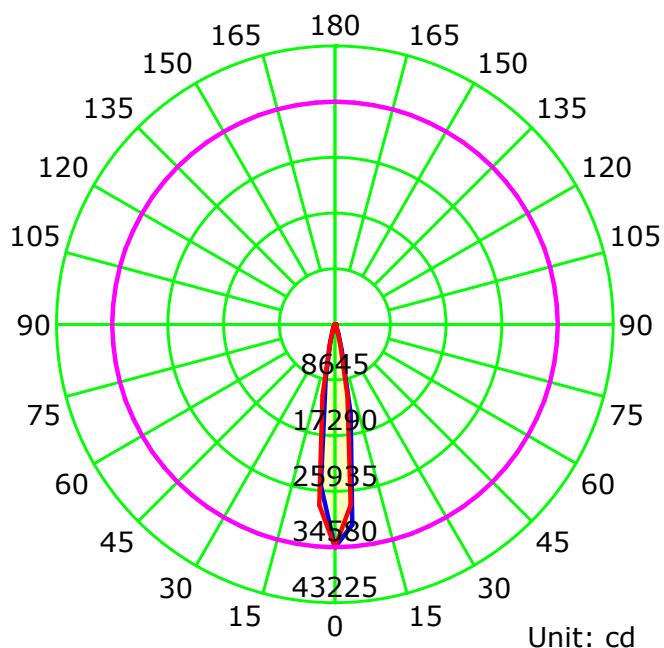
Central Intensity: 34581.04 cd

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

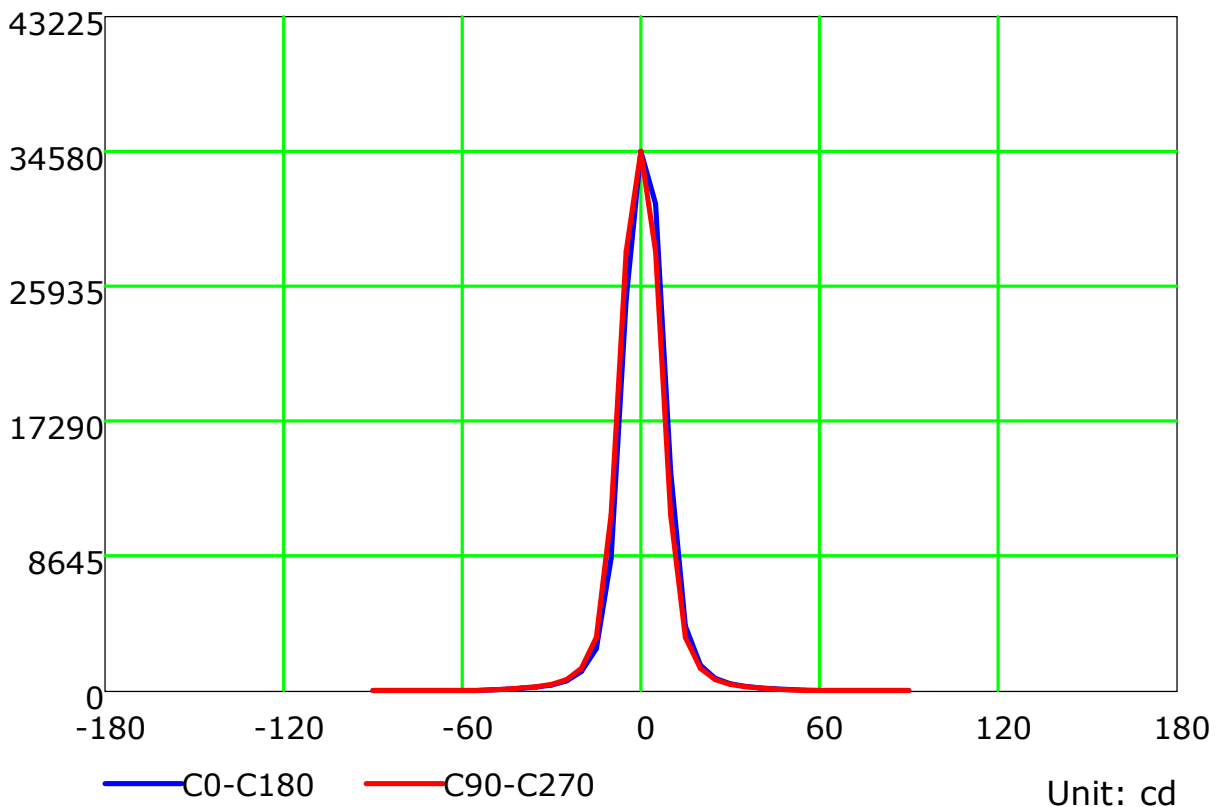
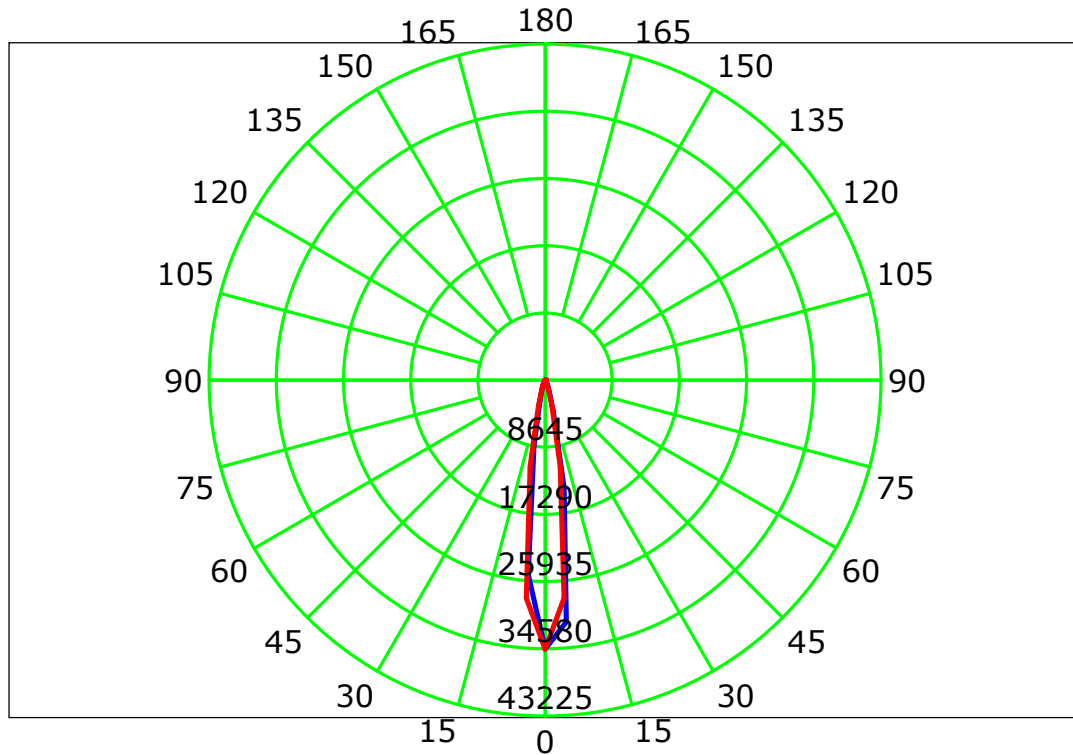
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

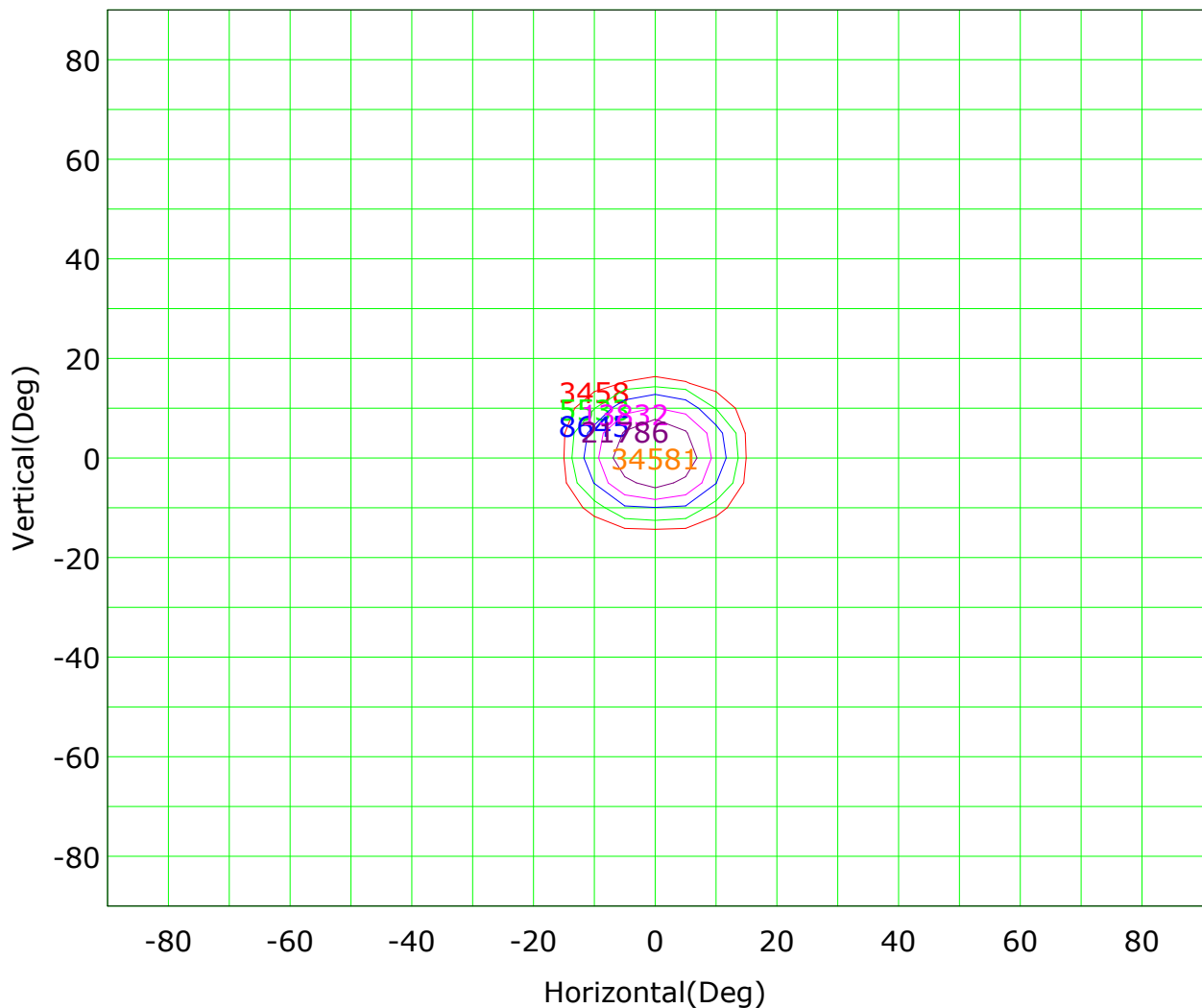
## Luminous Intensity Distribution Curve



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%): 34581 cd

( 10%): 3458 cd	( 16%): 5533 cd
( 25%): 8645 cd	( 40%): 13832 cd
( 63%): 21786 cd	(100%): 34581 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

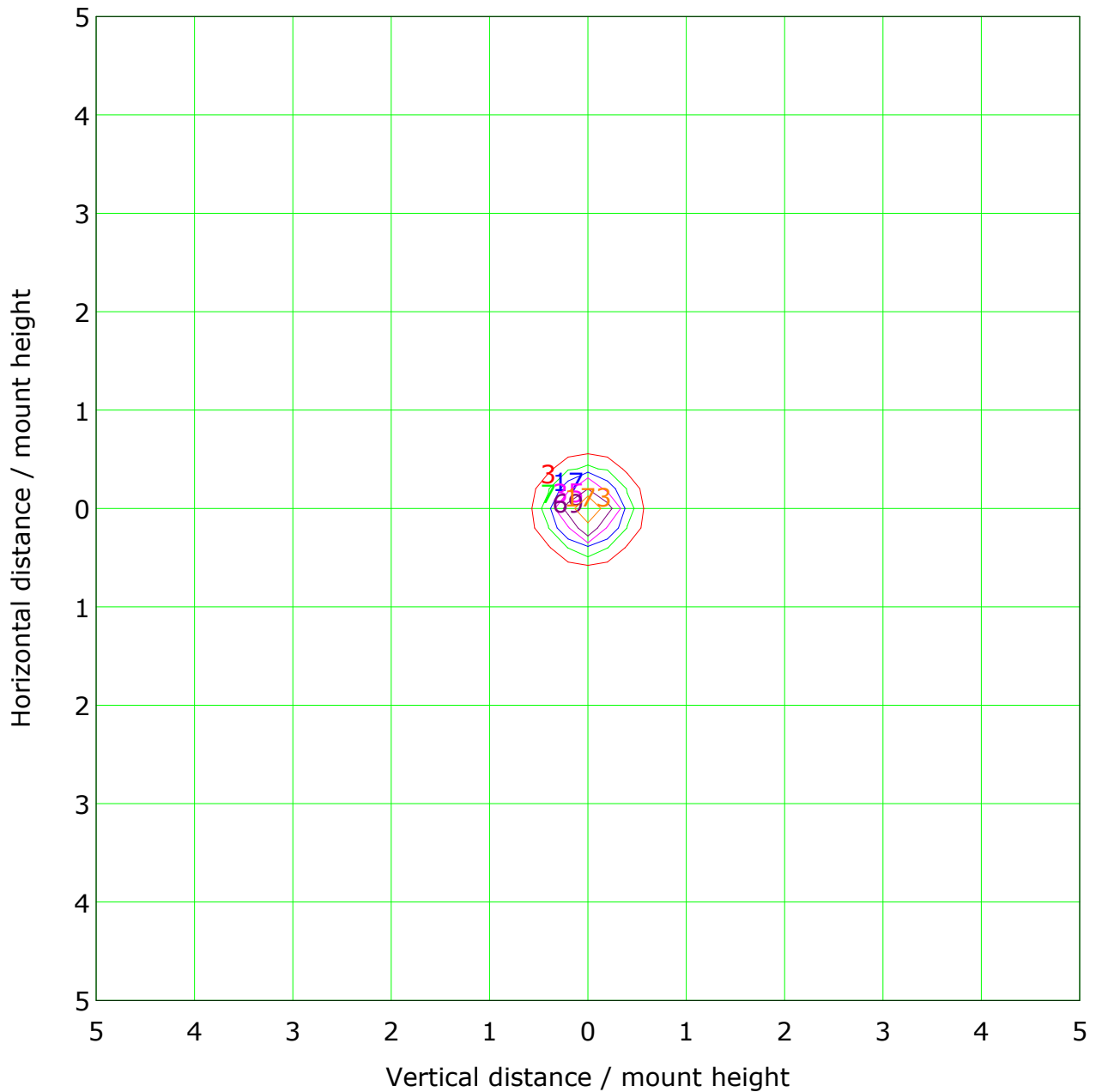
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

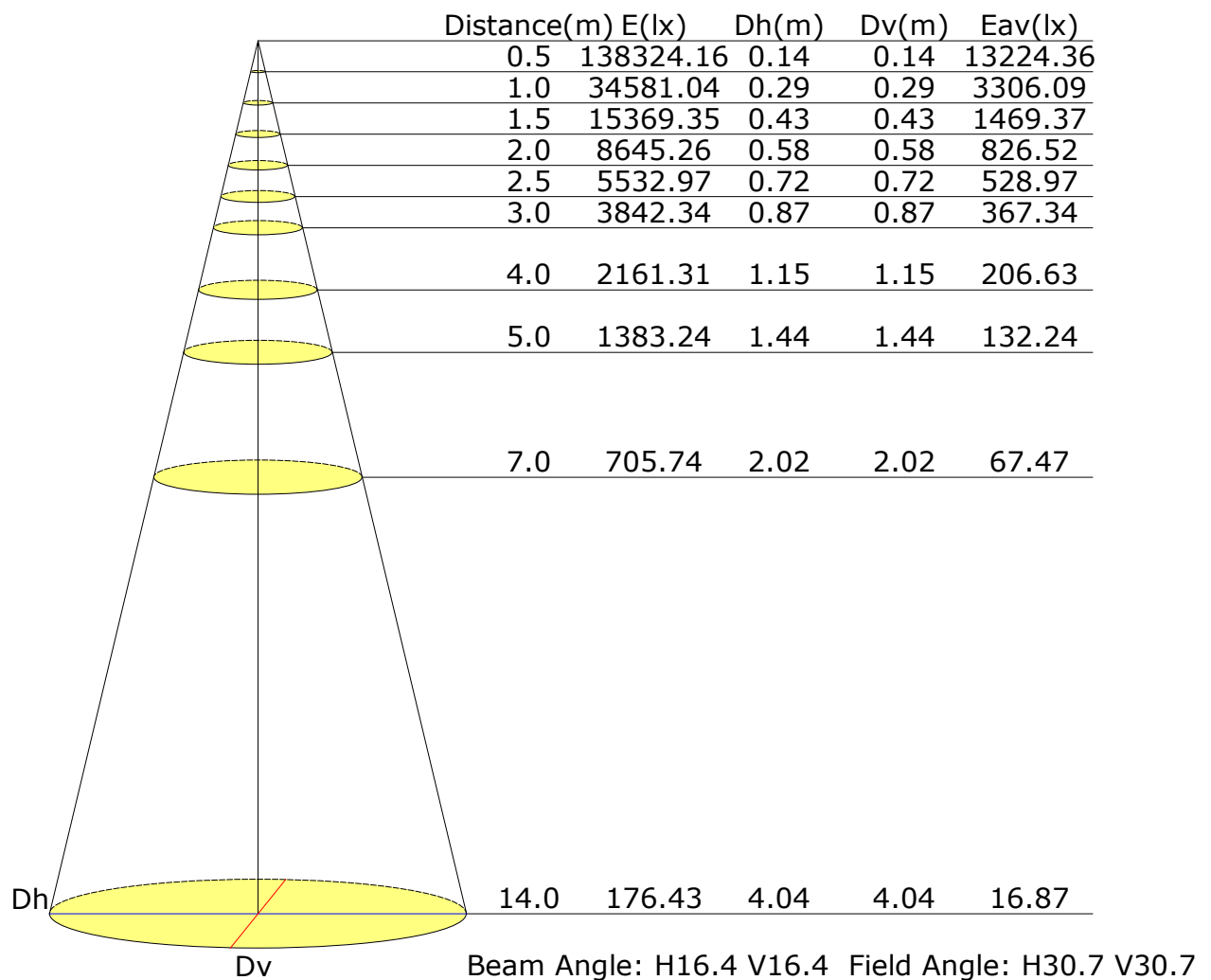


Mounting Height: 10m		Max Lux(100%): 346 lx	
( 1%):	3 lx	( 2%):	7 lx
( 5%):	17 lx	( 10%):	35 lx
( 20%):	69 lx	( 50%):	173 lx
(100%):	346 lx		

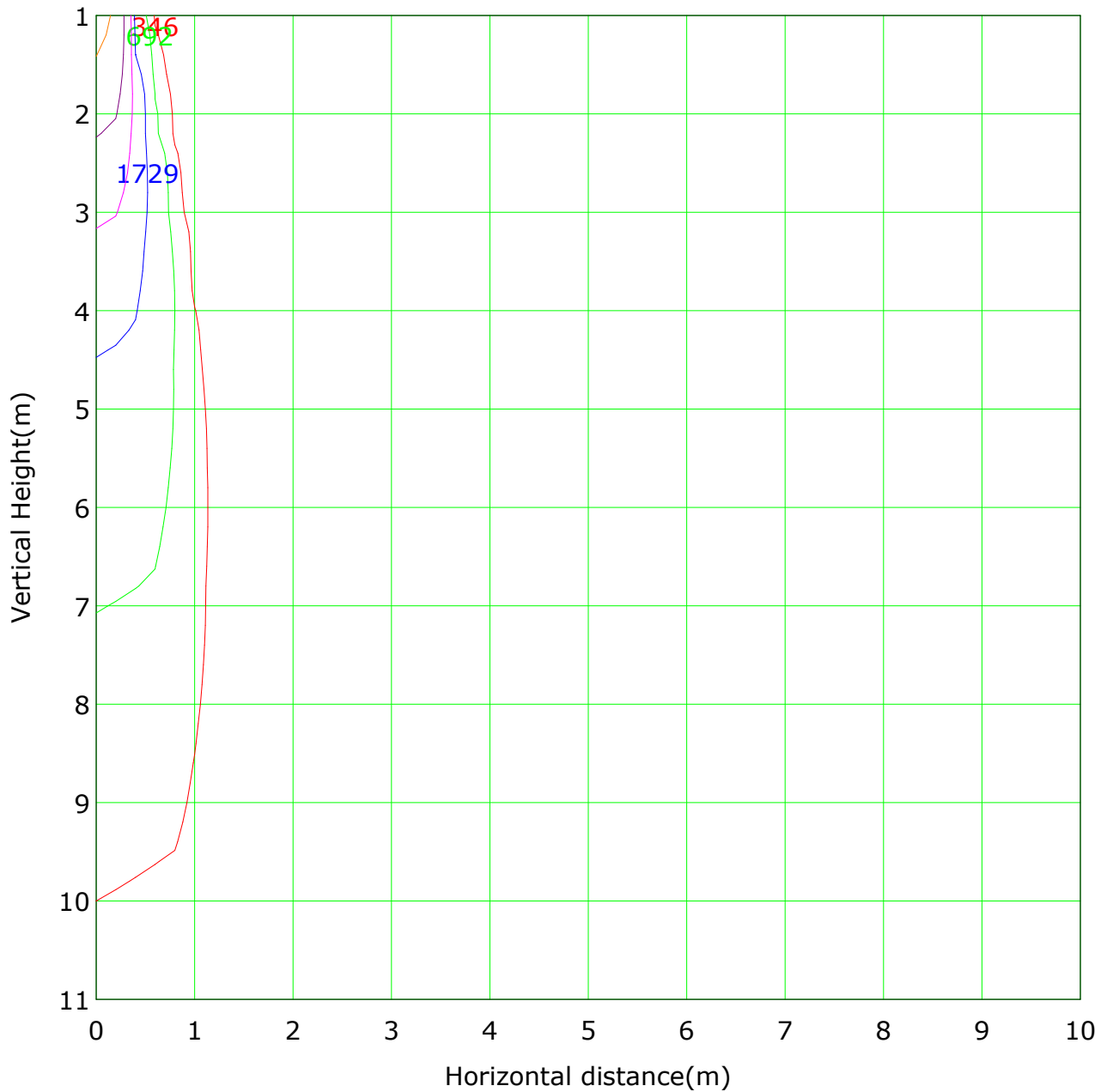
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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

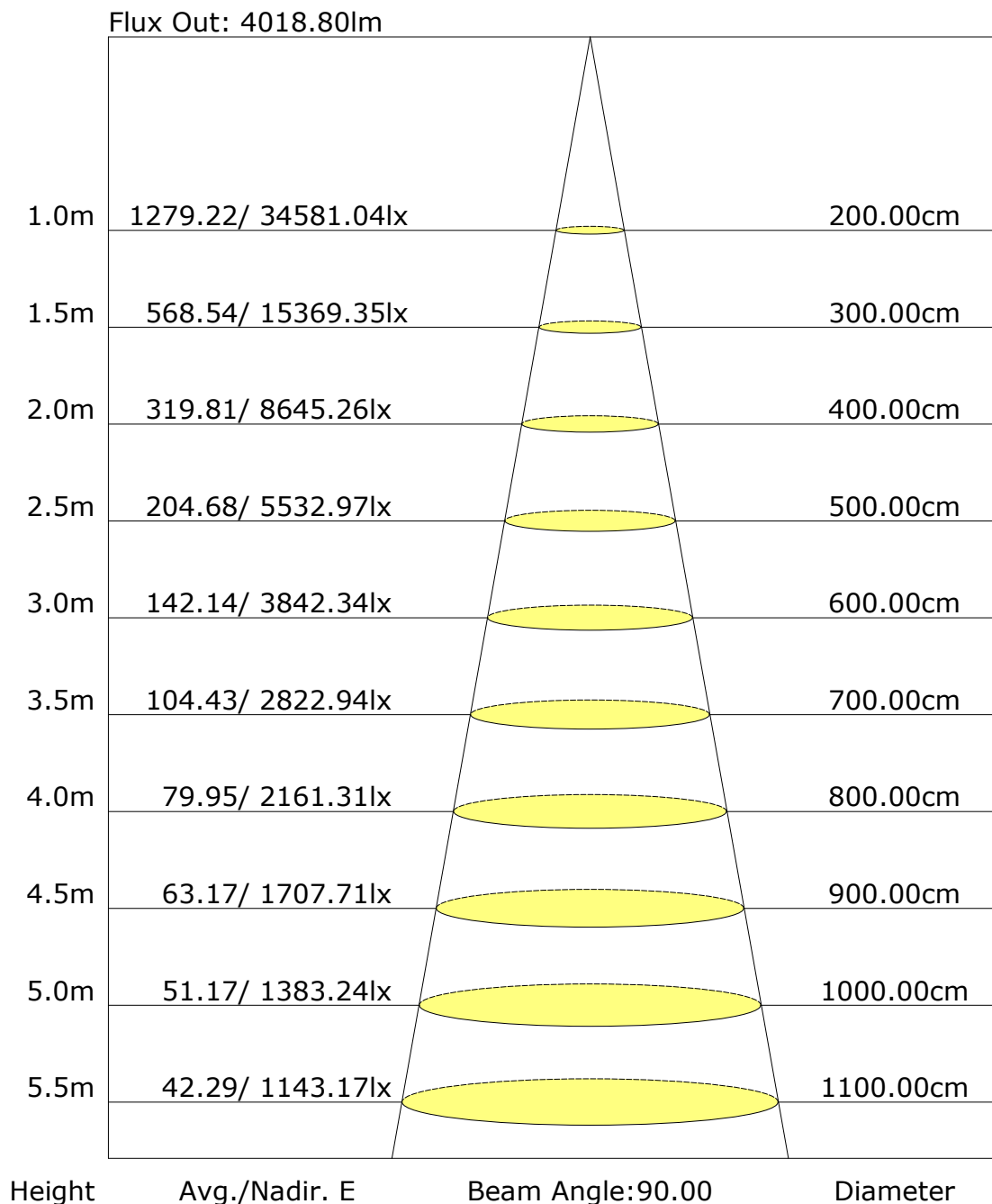


Lowest(m): 1m    Highest(m): 11    Max Lux: 34581  
— ( 1%): 346 lx                      — ( 2%): 692 lx  
— ( 5%): 1729 lx                      — ( 10%): 3458 lx  
— ( 20%): 6916 lx                      — ( 50%): 17291 lx  
— (100%): 34581 lx

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: