

Report No.: 32.06523 FOS Tracklight

Test Time: 2023-09-19 18:02

## Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 223.3 V

Current: 0.111 A

Power: 24.20 W

Power Factor: 0.974

## Photometric Results

CIE Class: Direct

Measurement Flux: 2289.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H51.5

Vertical Diffuse Angle(50%): V51.5

Luminaire Efficacy Rating (LER): 95

Max. Intensity: 3148.47 cd

Total Rated Lamp Lumens: 2289.2 lm

Efficiency: 100%

Upward Ratio: 0%

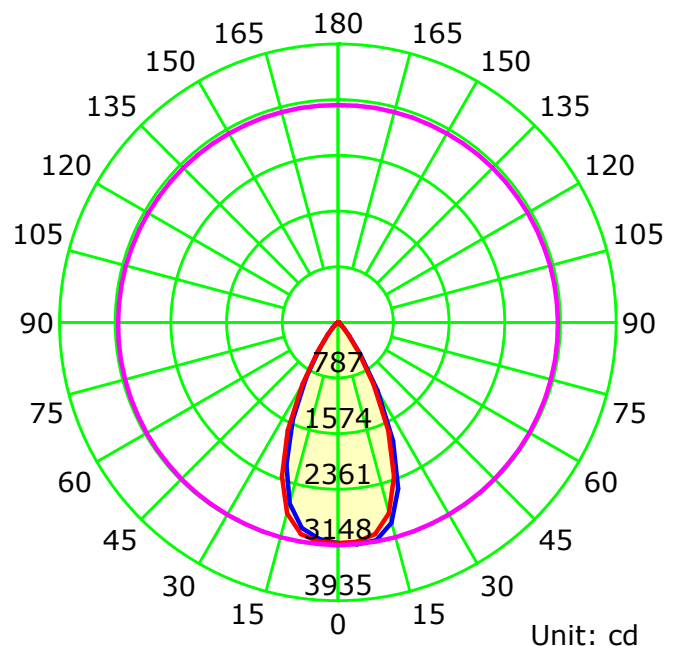
Central Intensity: 3117.06 cd

Pos of Max. Intensity: H0 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

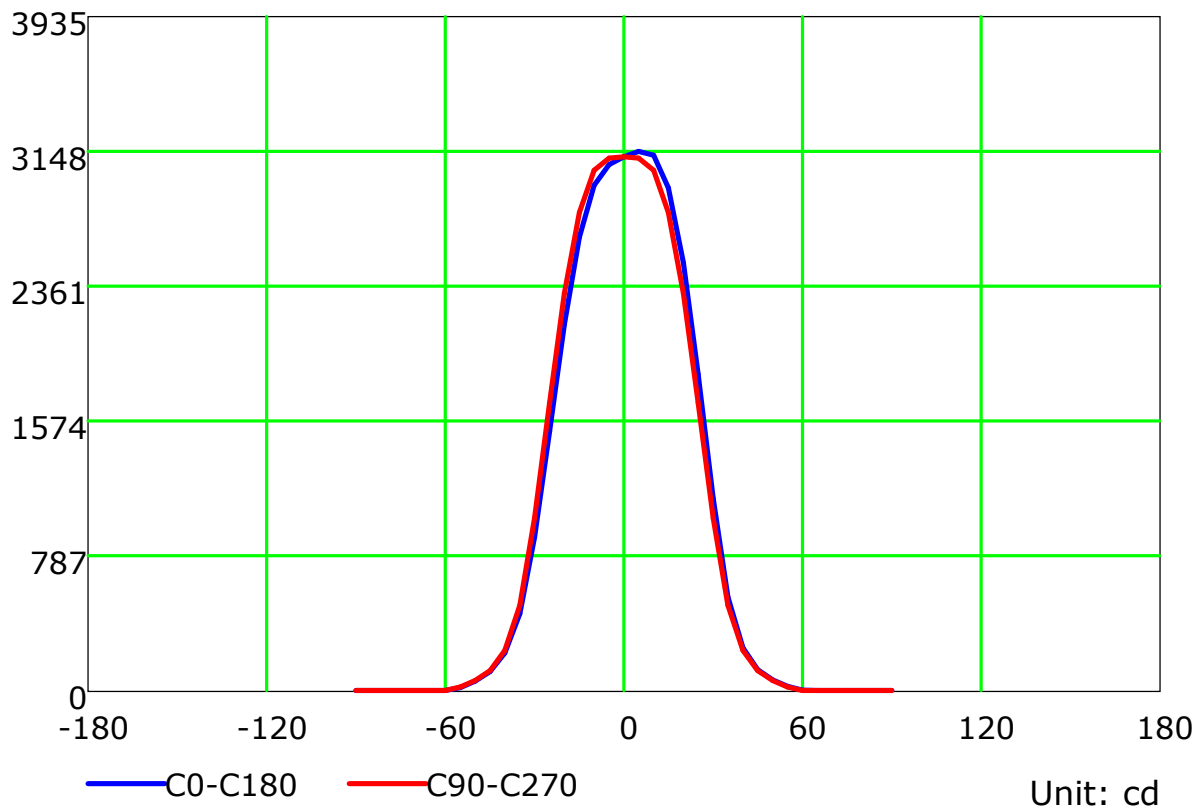
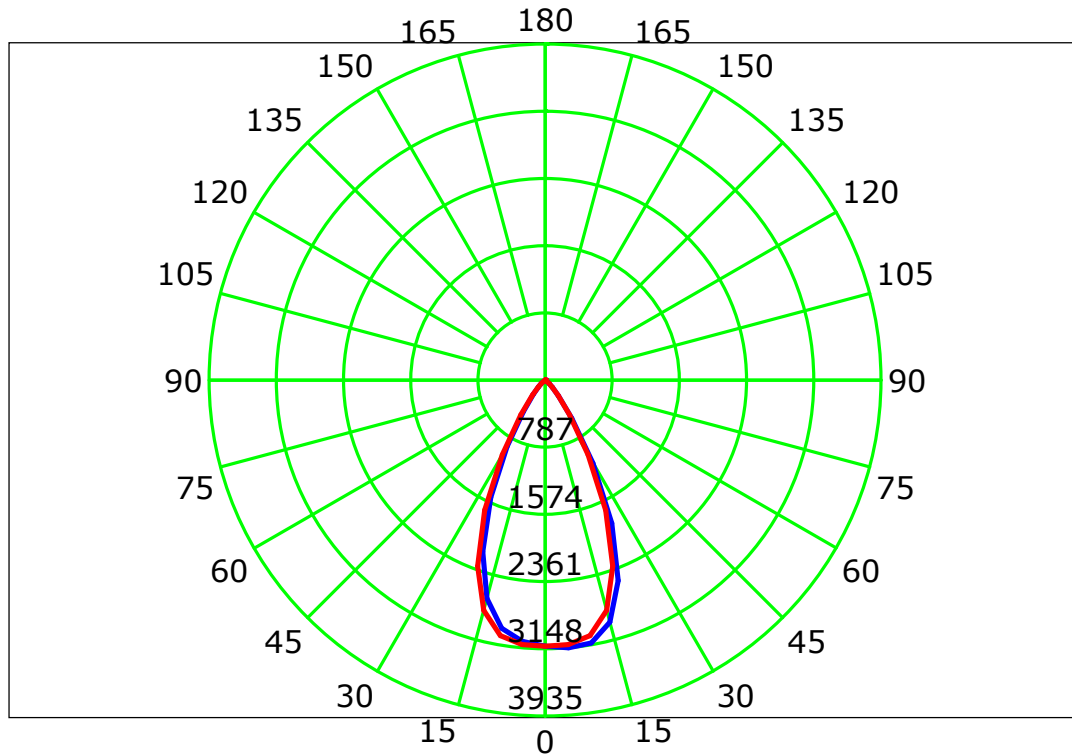
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

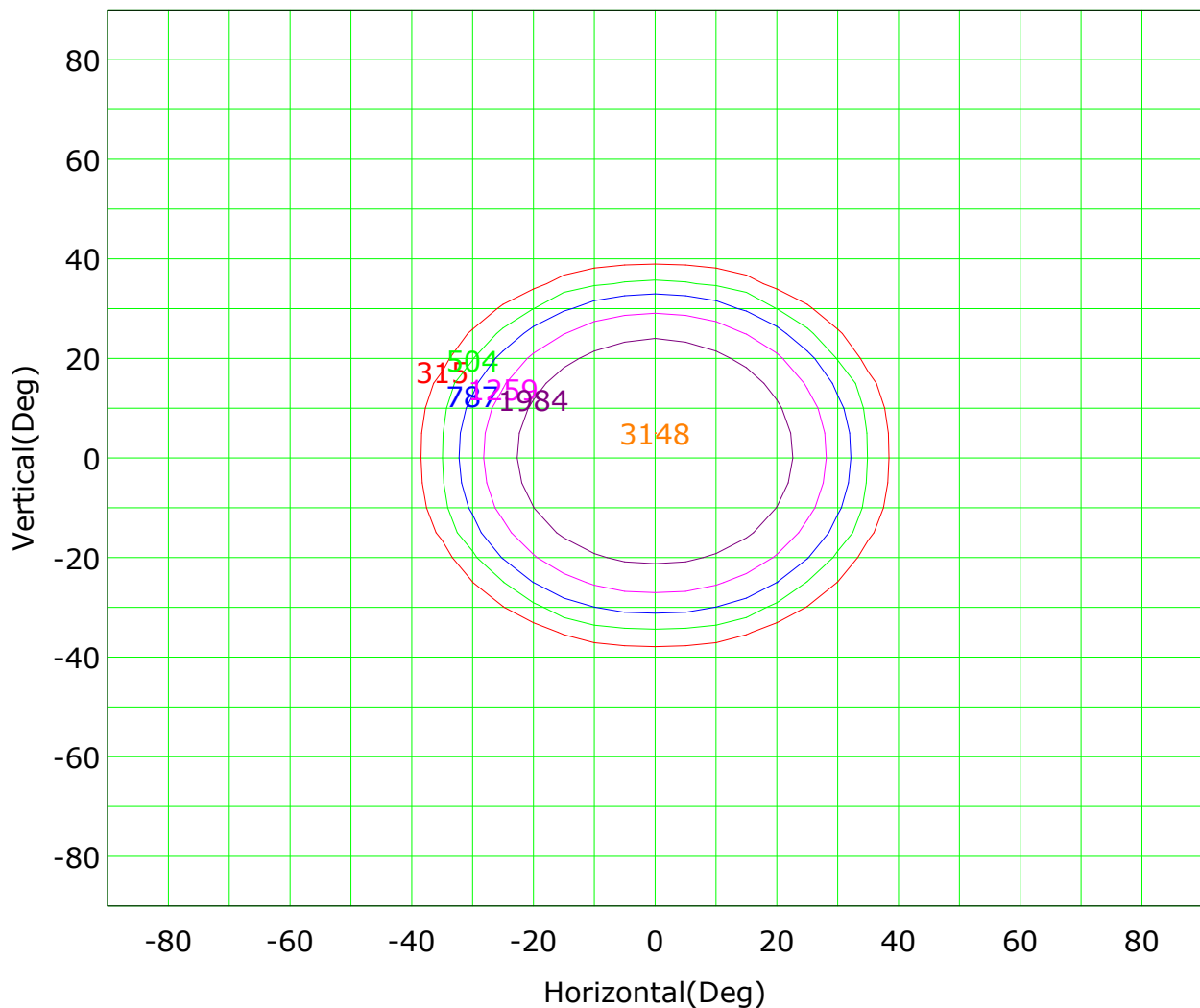
## Luminous Intensity Distribution Curve



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%): 3148 cd

( 10%): 315 cd	( 16%): 504 cd
( 25%): 787 cd	( 40%): 1259 cd
( 63%): 1984 cd	(100%): 3148 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

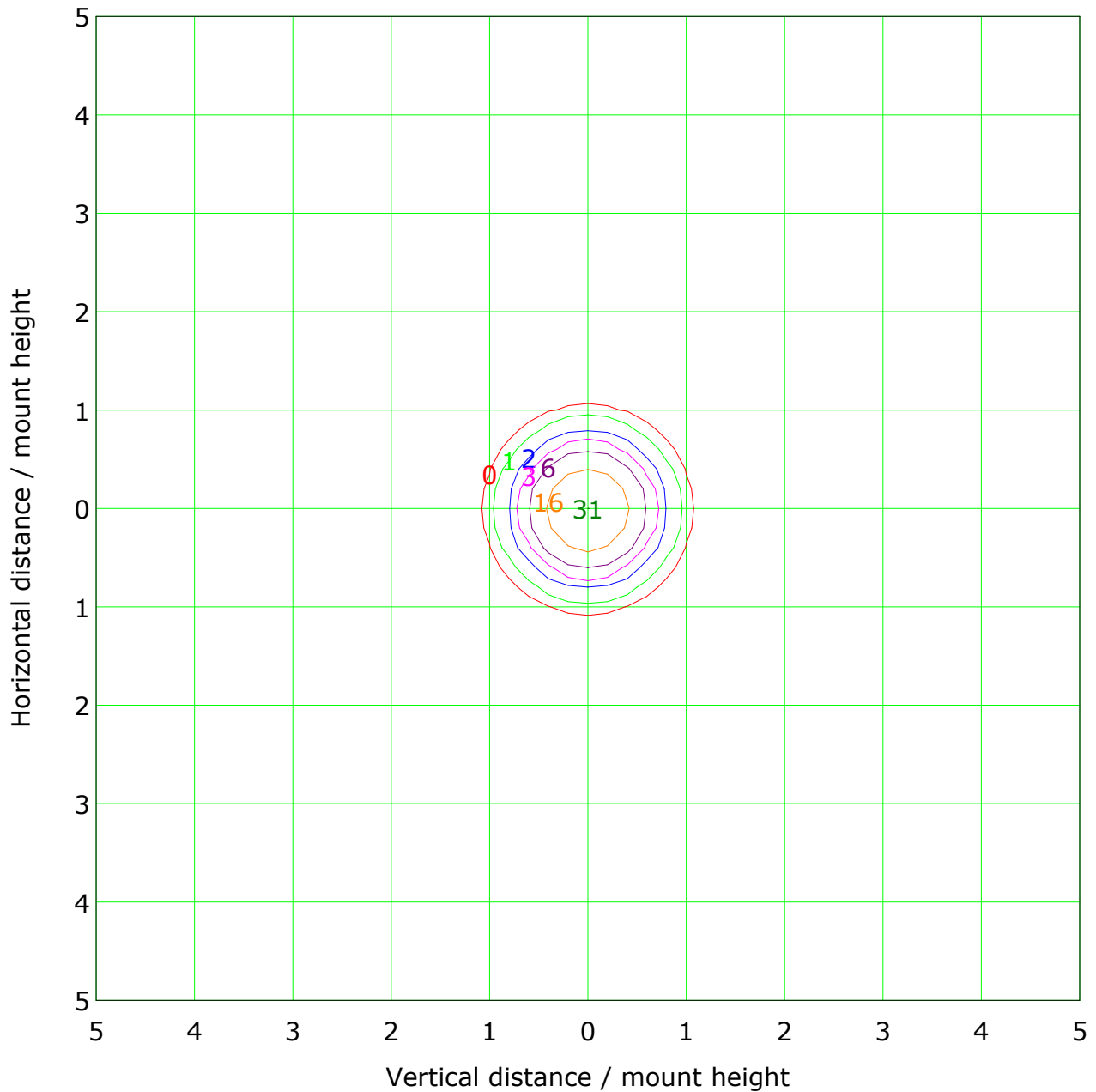
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

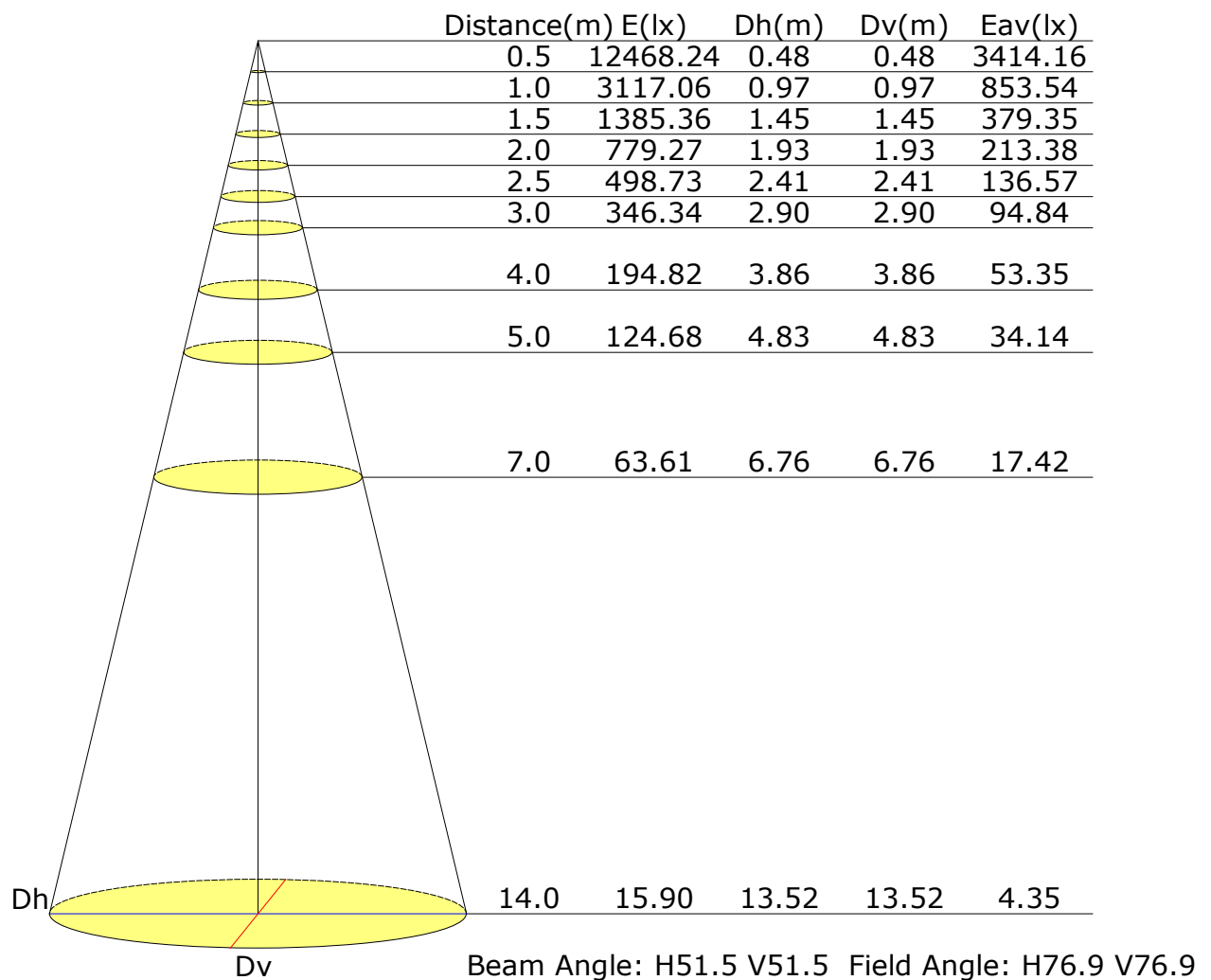


Mounting Height: 10m		Max Lux(100%): 31 lx	
( 1%):	0 lx	( 2%):	1 lx
( 5%):	2 lx	( 10%):	3 lx
( 20%):	6 lx	( 50%):	16 lx
(100%):	31 lx		

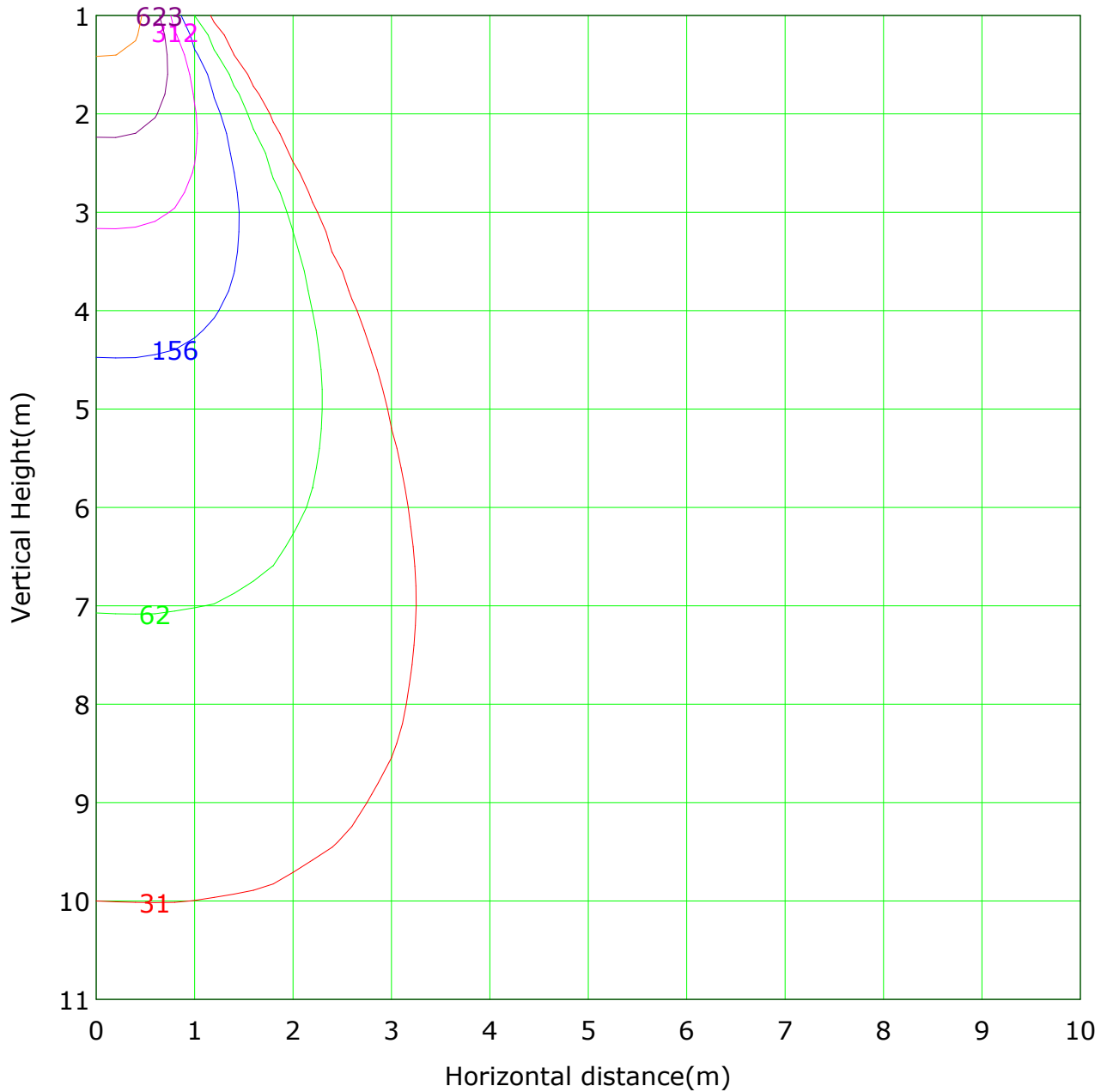
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



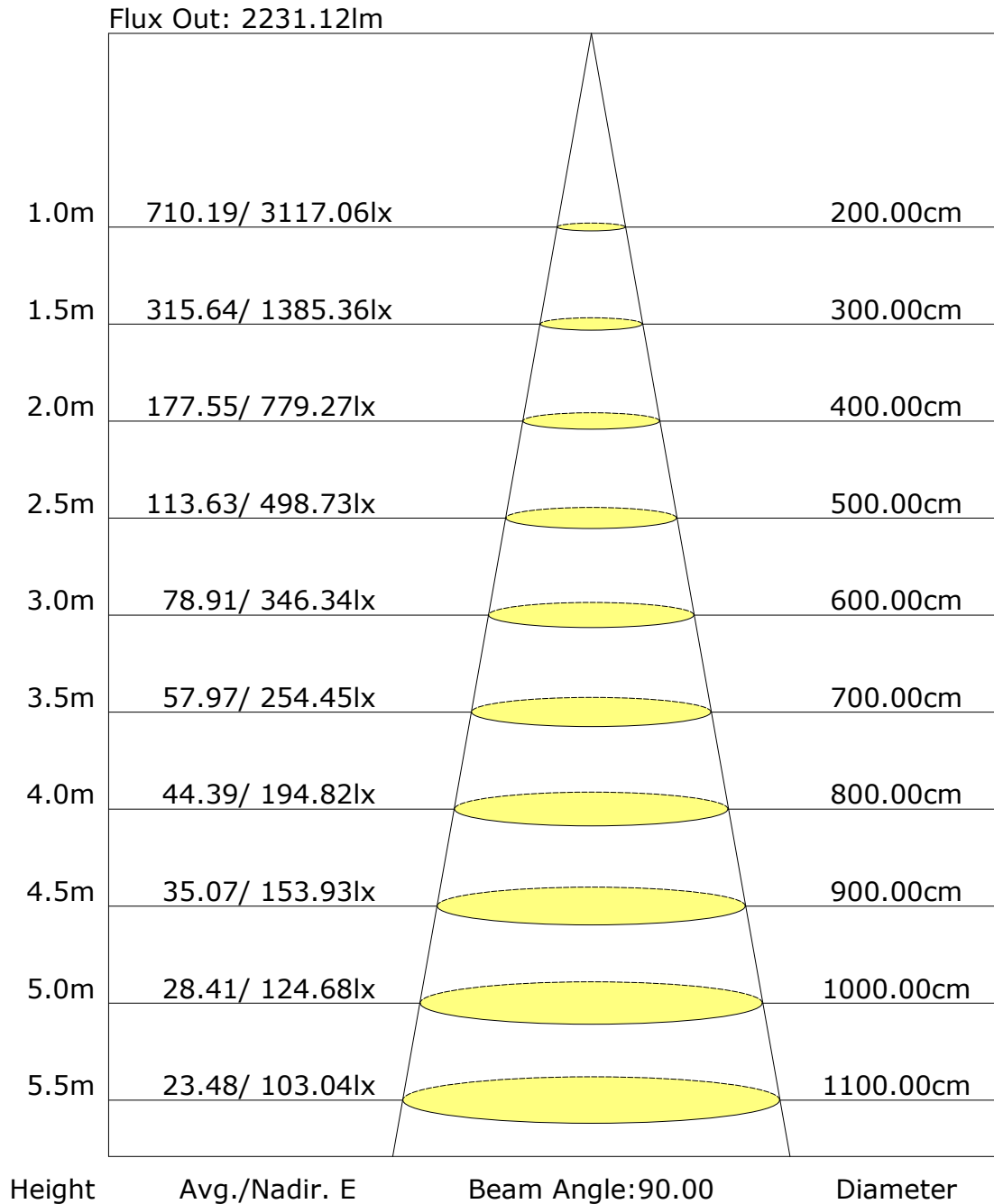
Lowest(m): 1m    Highest(m): 11    Max Lux: 3117

( 1%): 31 lx	( 2%): 62 lx
( 5%): 156 lx	( 10%): 312 lx
( 20%): 623 lx	( 50%): 1559 lx
(100%): 3117 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: