

Report No.: 93.05512 FOS Surface Mounted Test Time: 2023-09-19 16:44

## Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 221.4 V

Current: 0.133 A

Power: 16.00 W

Power Factor: 0.539

## Photometric Results

CIE Class: Direct

Measurement Flux: 1811.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H41.3

Vertical Diffuse Angle(50%): V41.3

Luminaire Efficacy Rating (LER): 113

Max. Intensity: 3901.14 cd

Total Rated Lamp Lumens: 1811.9 lm

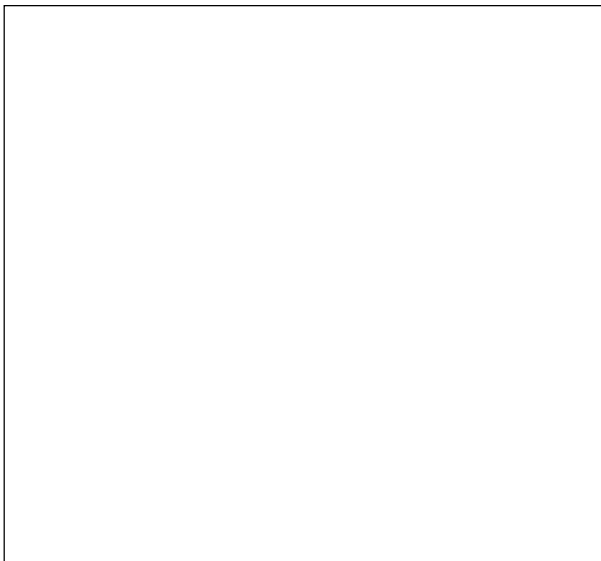
Efficiency: 100%

Upward Ratio: 0%

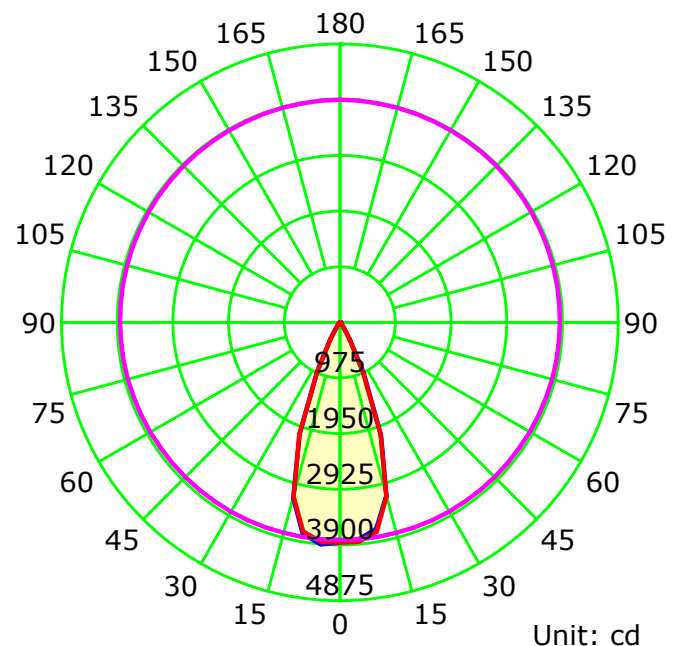
Central Intensity: 3860.62 cd

Pos of Max. Intensity: H180 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

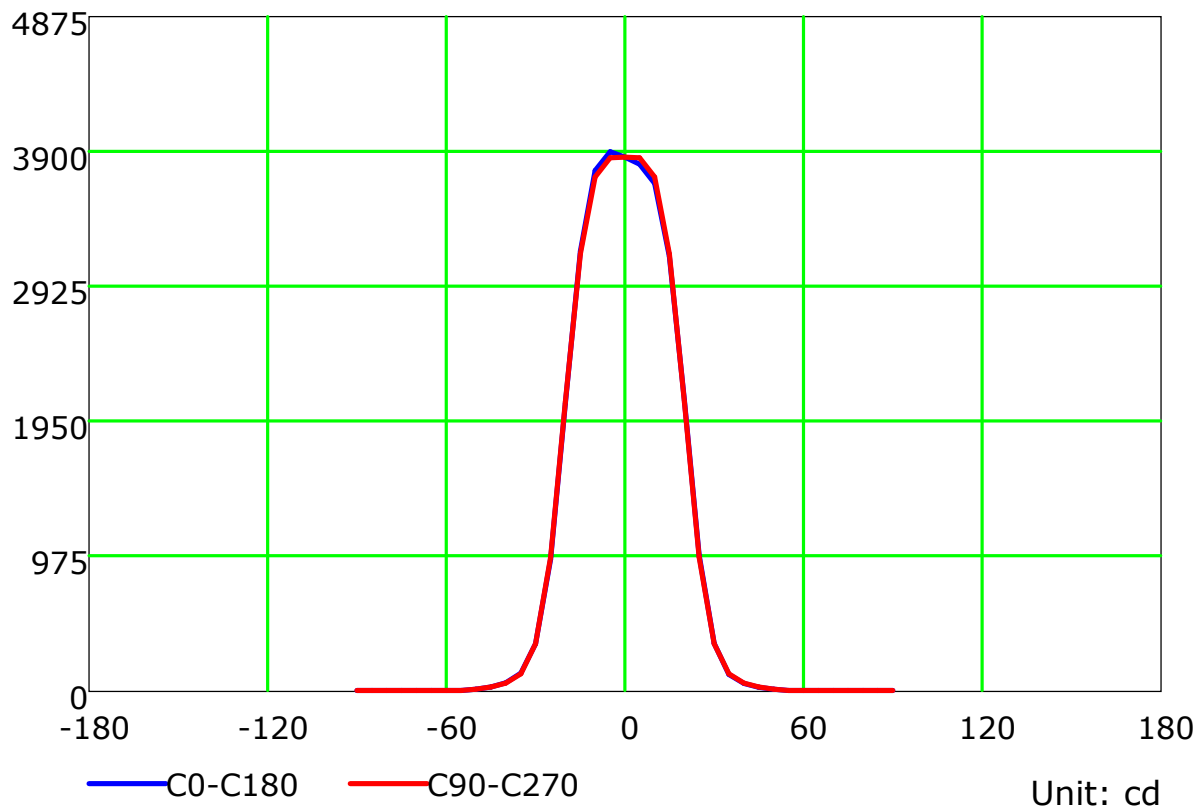
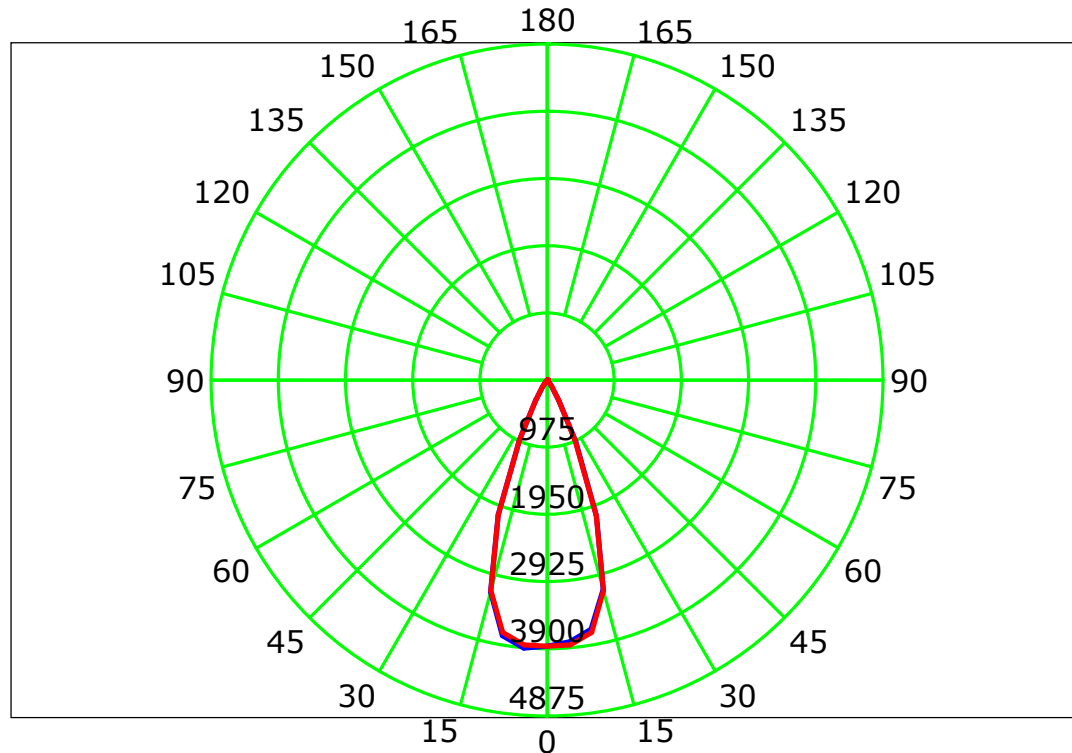
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

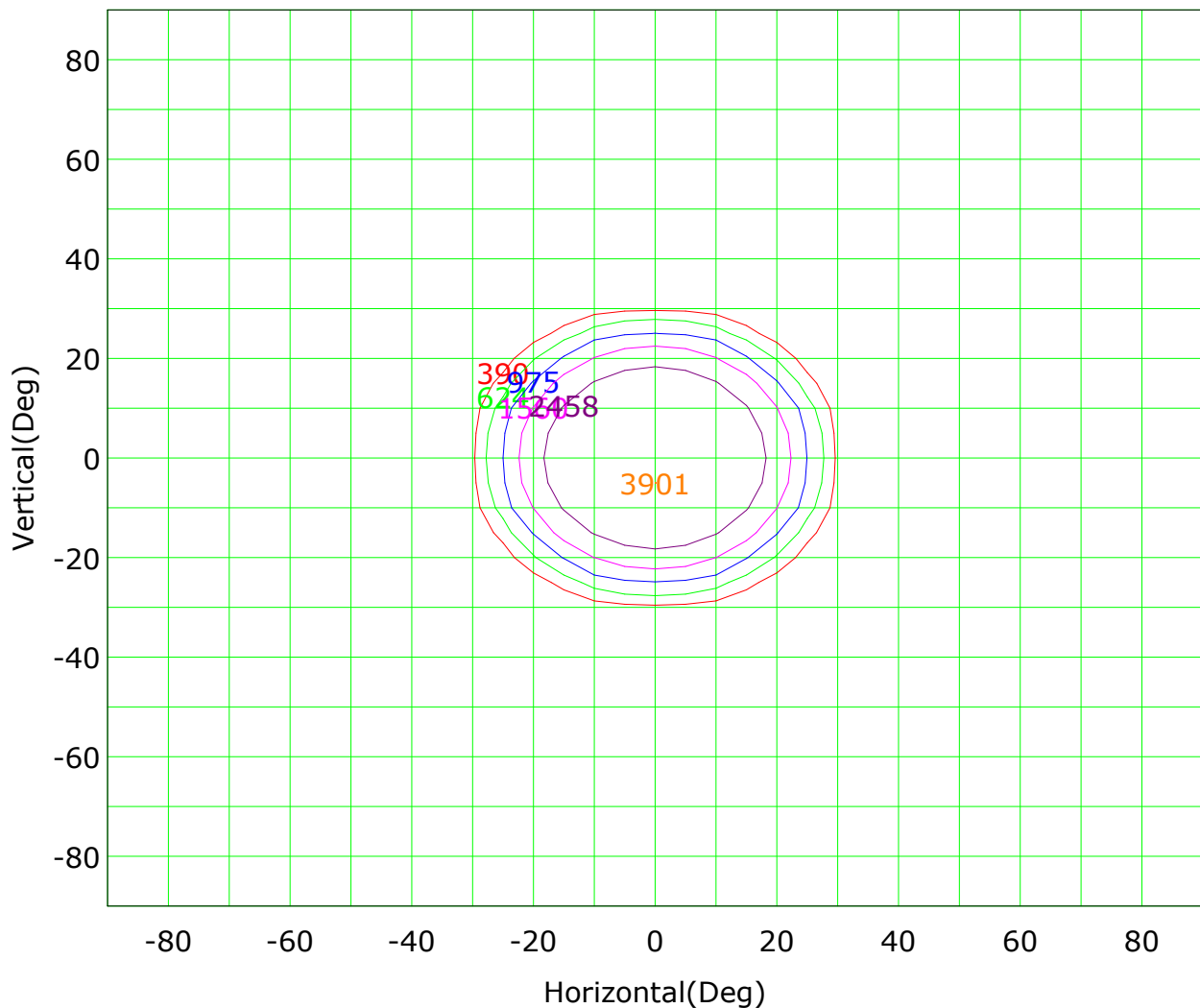
## Luminous Intensity Distribution Curve



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%): 3901 cd

( 10%): 390 cd	( 16%): 624 cd
( 25%): 975 cd	( 40%): 1560 cd
( 63%): 2458 cd	(100%): 3901 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

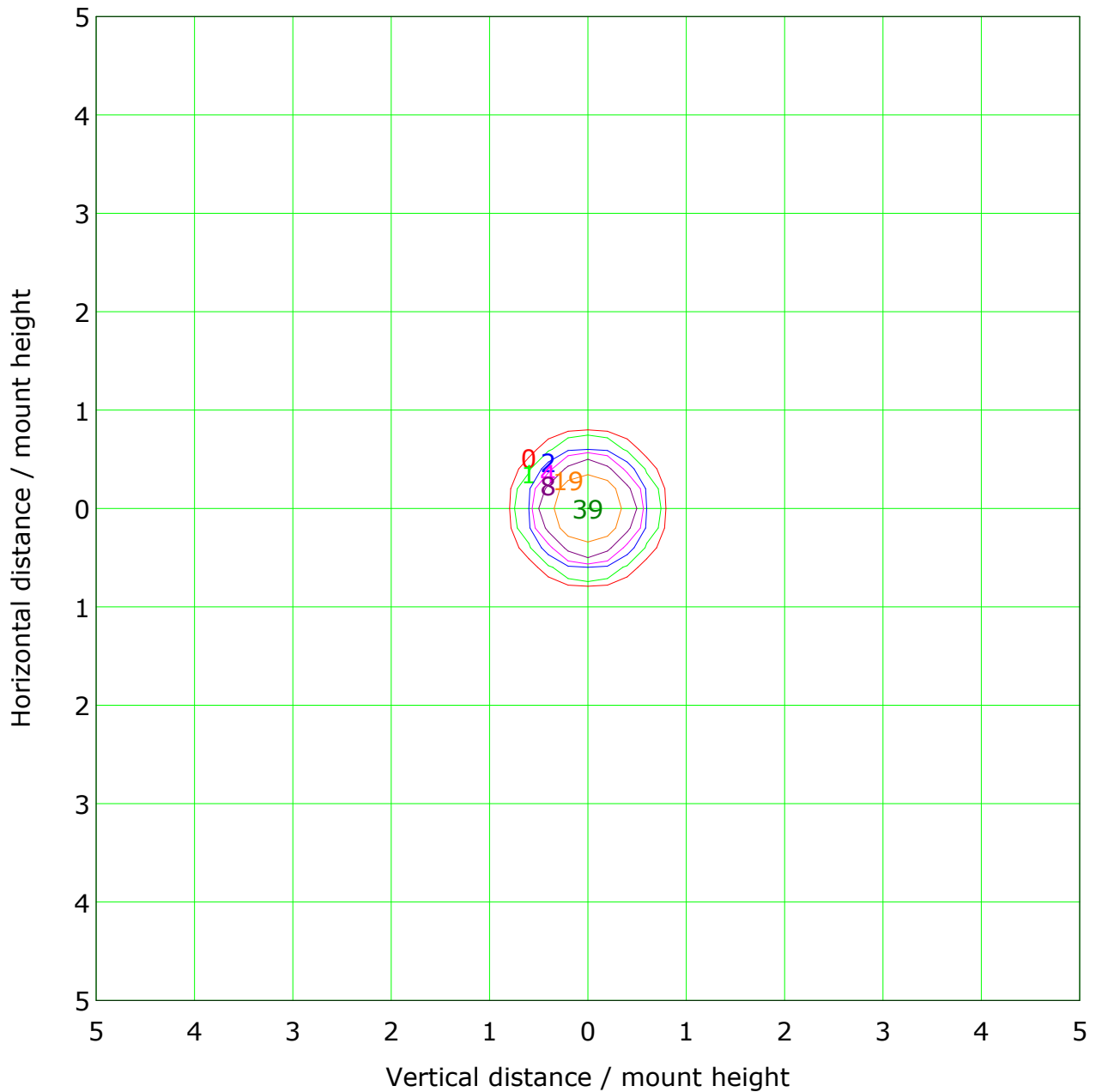
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

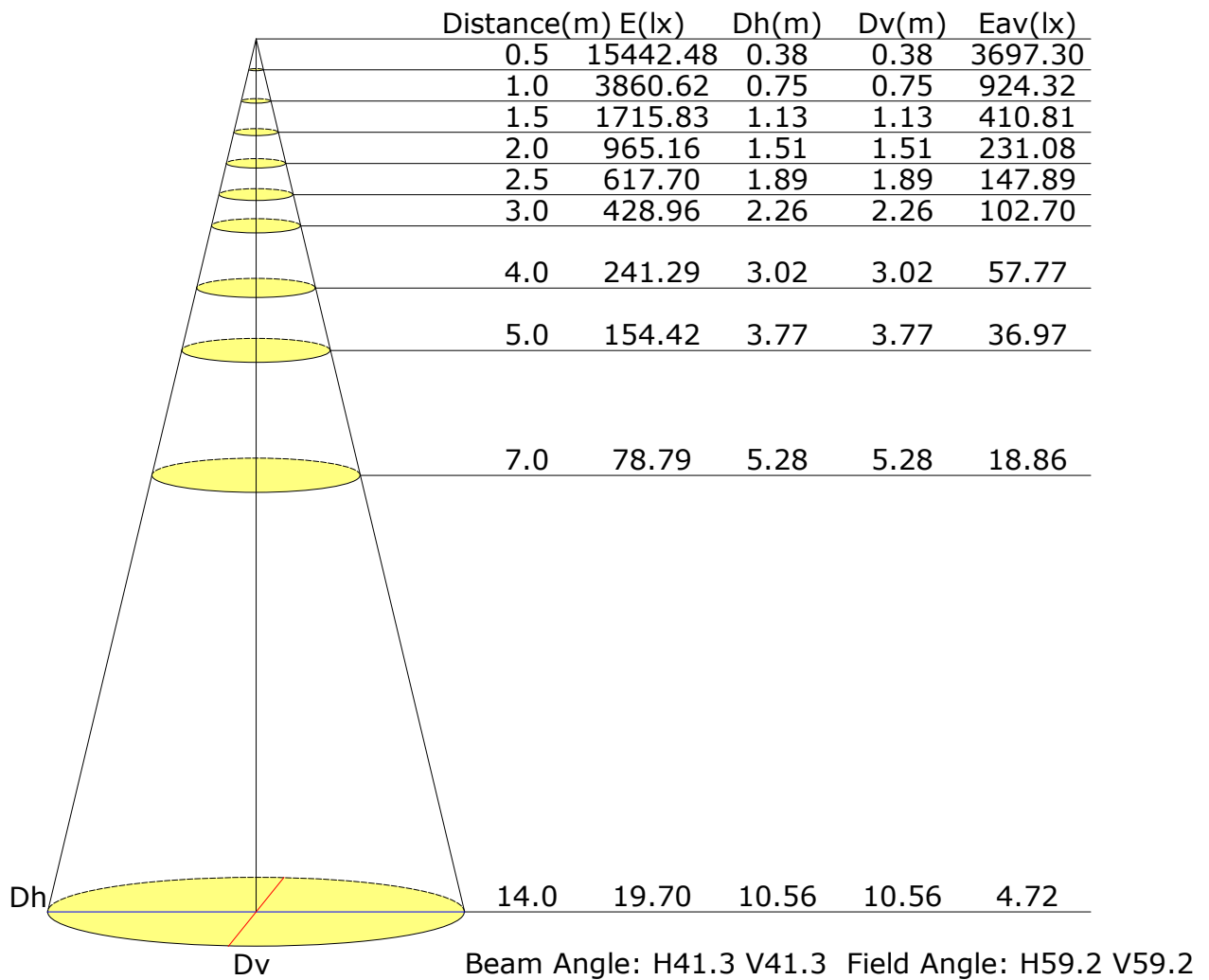


Mounting Height: 10m		Max Lux(100%): 39 lx	
( 1%):	0 lx	( 2%):	1 lx
( 5%):	2 lx	( 10%):	4 lx
( 20%):	8 lx	( 50%):	19 lx
(100%):	39 lx		

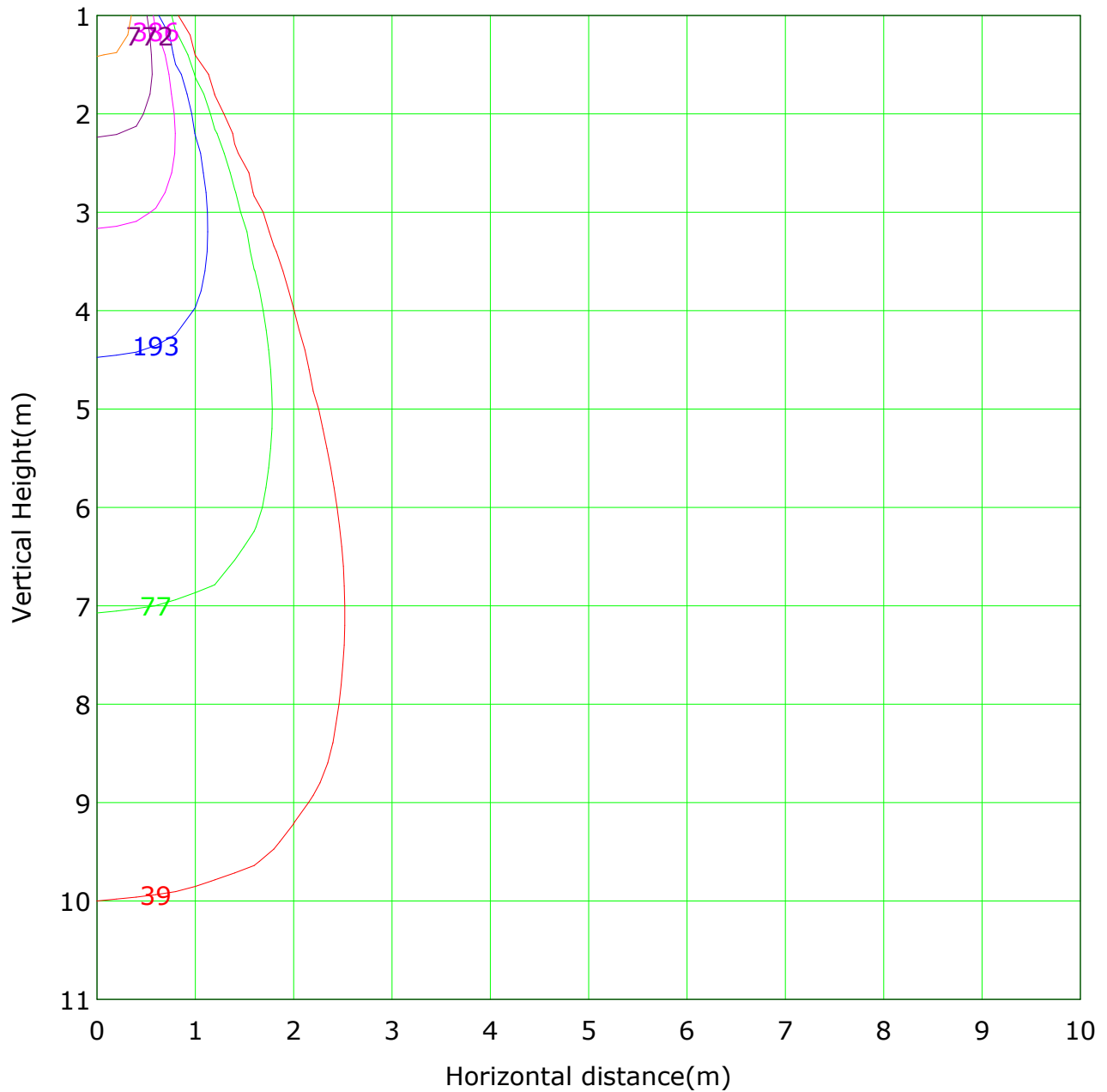
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



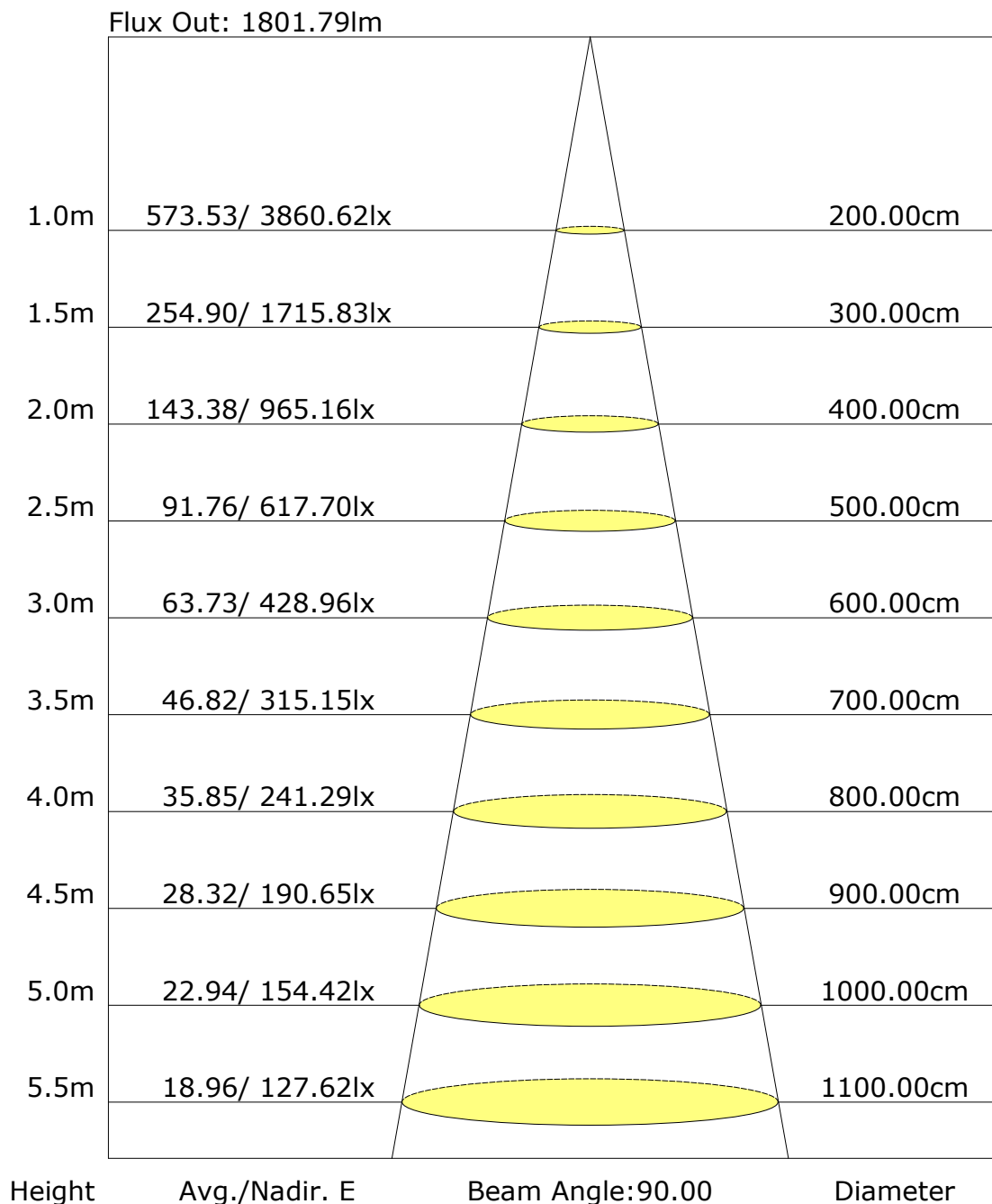
Lowest(m): 1m    Highest(m): 11    Max Lux: 3861

( 1%): 39 lx	( 2%): 77 lx
( 5%): 193 lx	( 10%): 386 lx
( 20%): 772 lx	( 50%): 1930 lx
(100%): 3861 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: