

Report No.:56.04512 Recessed Downlight Test Time: 2023-06-30 18:20

## Luminaire Property

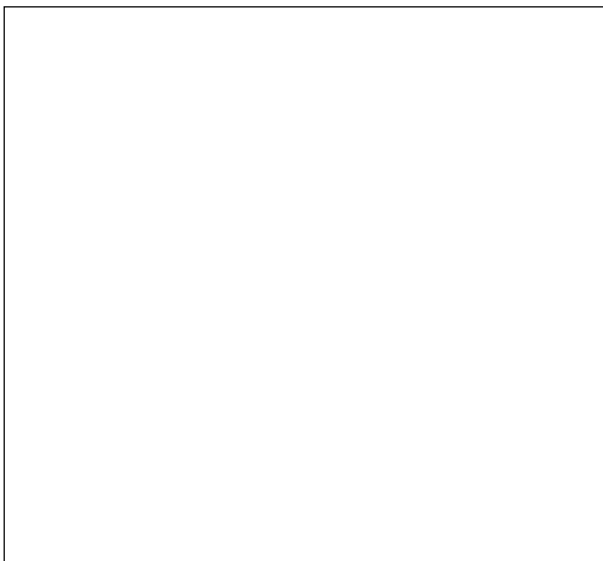
Luminaire Category: Citizen 1203 3000K CRI90  
Luminaire Description: FOS 55 15D Voltage: 220.1 V  
Current: 0.115 A Power: 15.90 W  
Power Factor: 0.625

## Photometric Results

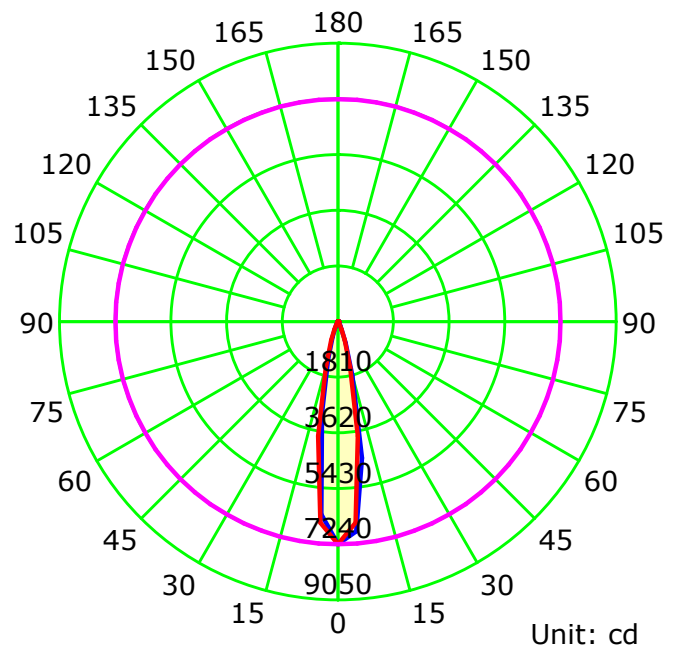
CIE Class: Direct  
Measurement Flux: 1244.5 lm  
Downward Ratio: 100%  
Horizontal Diffuse Angle(50%): H20.8  
Vertical Diffuse Angle(50%): V20.8  
Luminaire Efficacy Rating (LER): 78  
Max. Intensity: 7239.05 cd

Total Rated Lamp Lumens: 1244.5 lm  
Efficiency: 100%  
Upward Ratio: 0%  
Central Intensity: 7239.04 cd  
Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve

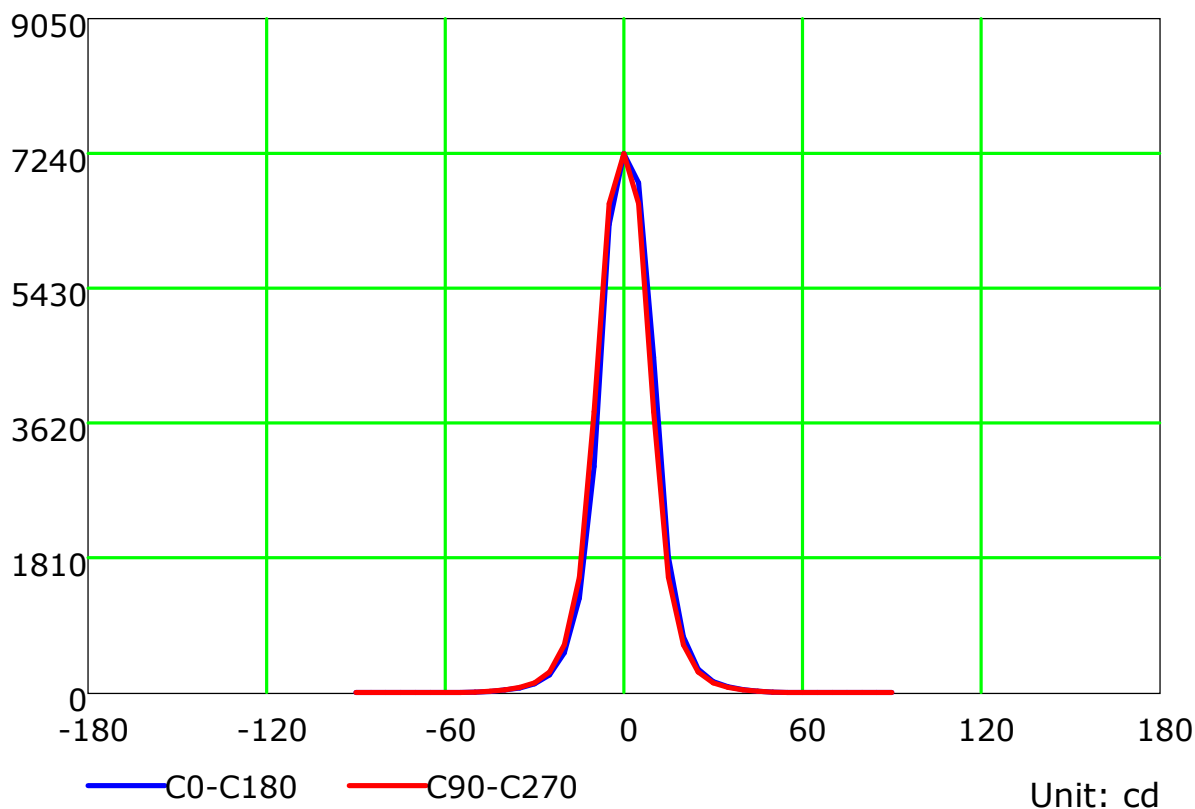
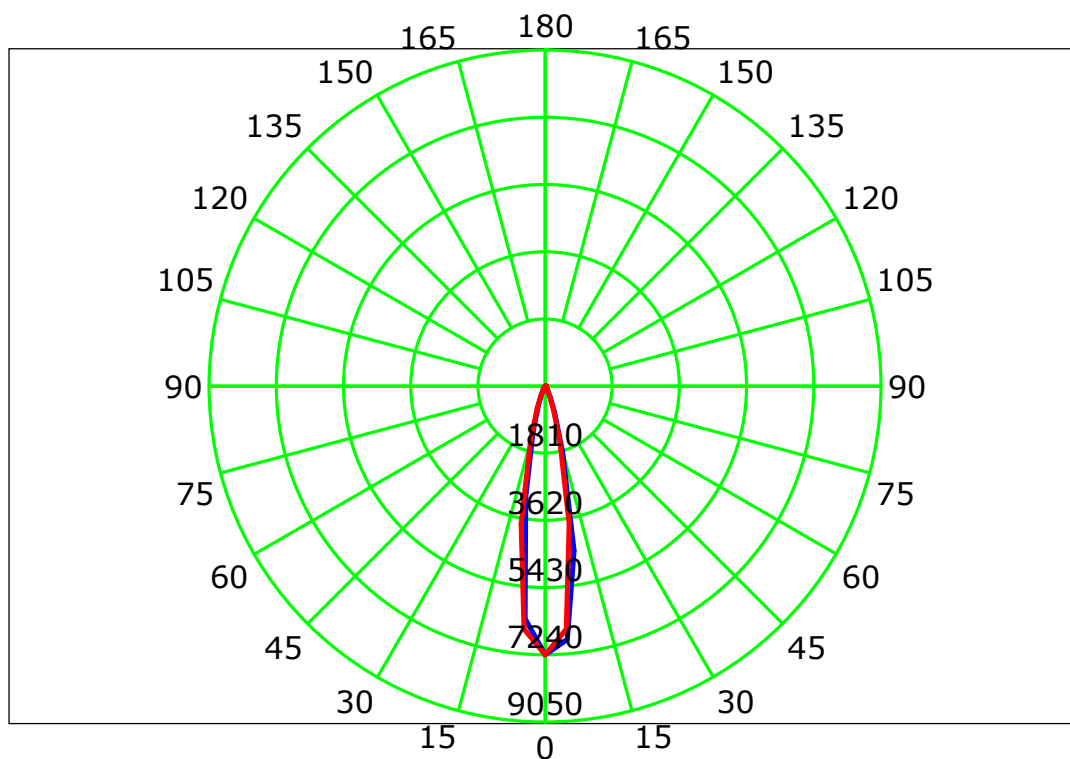


— C0-C180 — C90-C270 — G0

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:

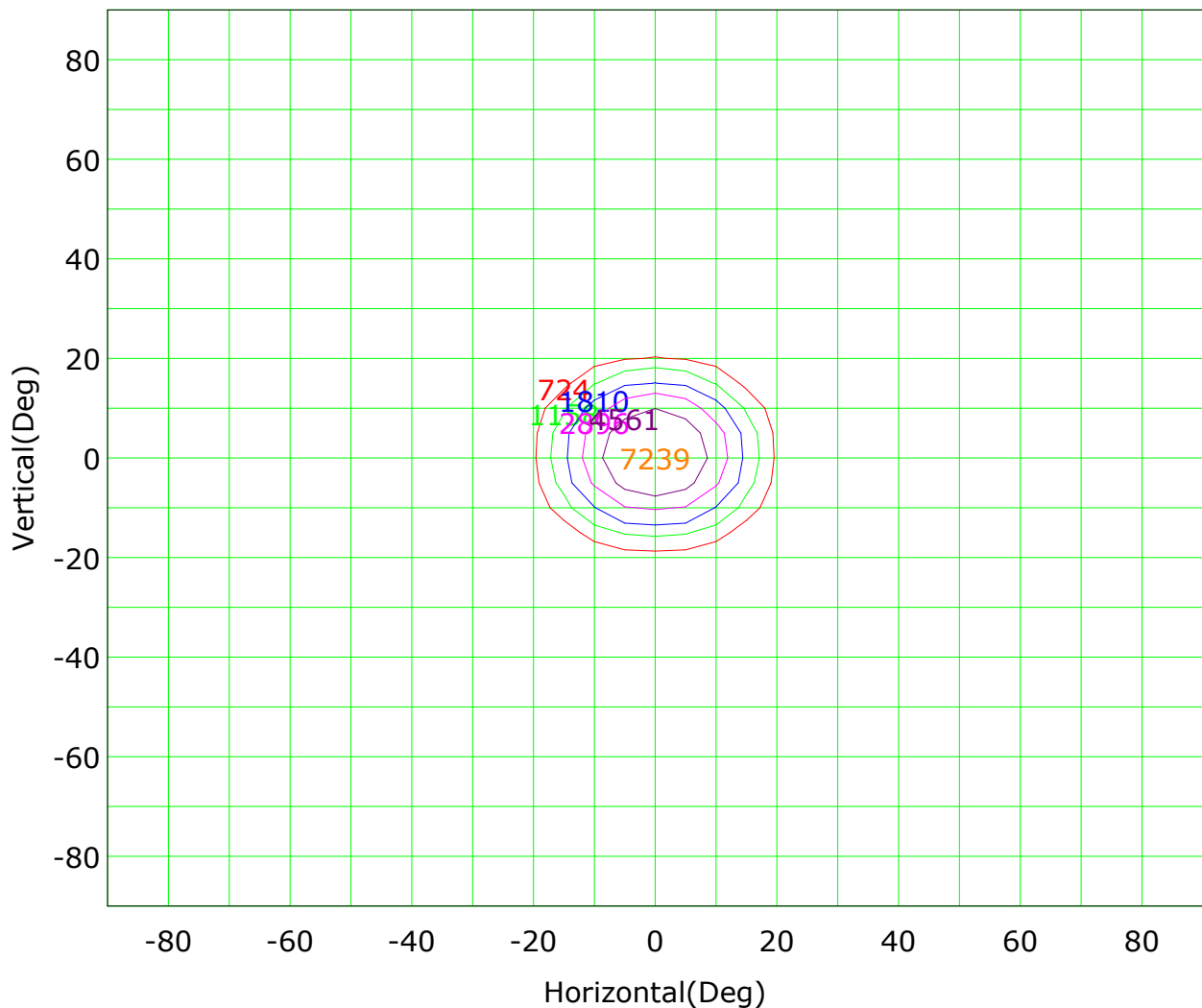
## Luminous Intensity Distribution Curve



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%): 7239 cd

( 10%): 724 cd	( 16%): 1158 cd
( 25%): 1810 cd	( 40%): 2896 cd
( 63%): 4561 cd	(100%): 7239 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

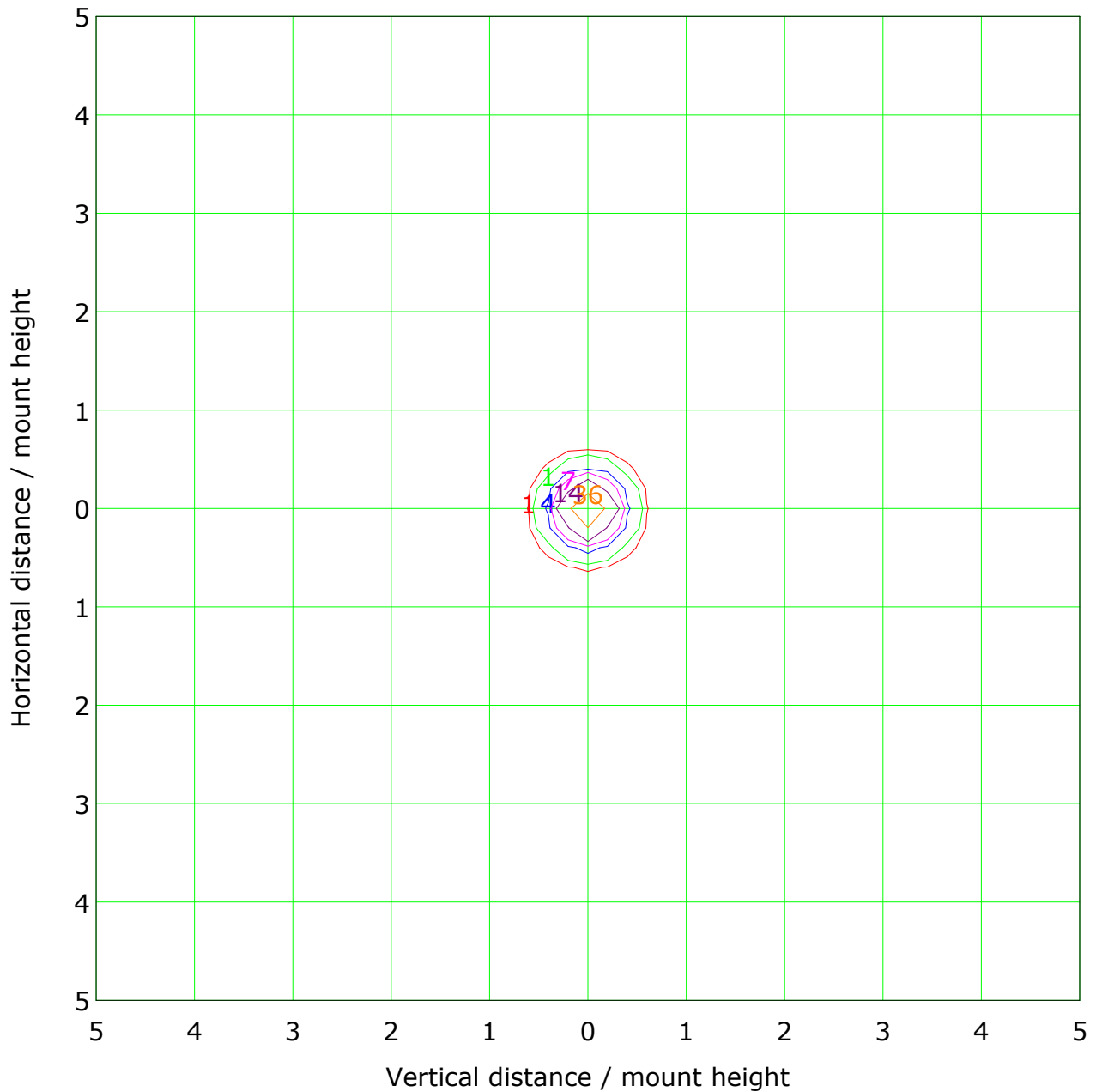
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

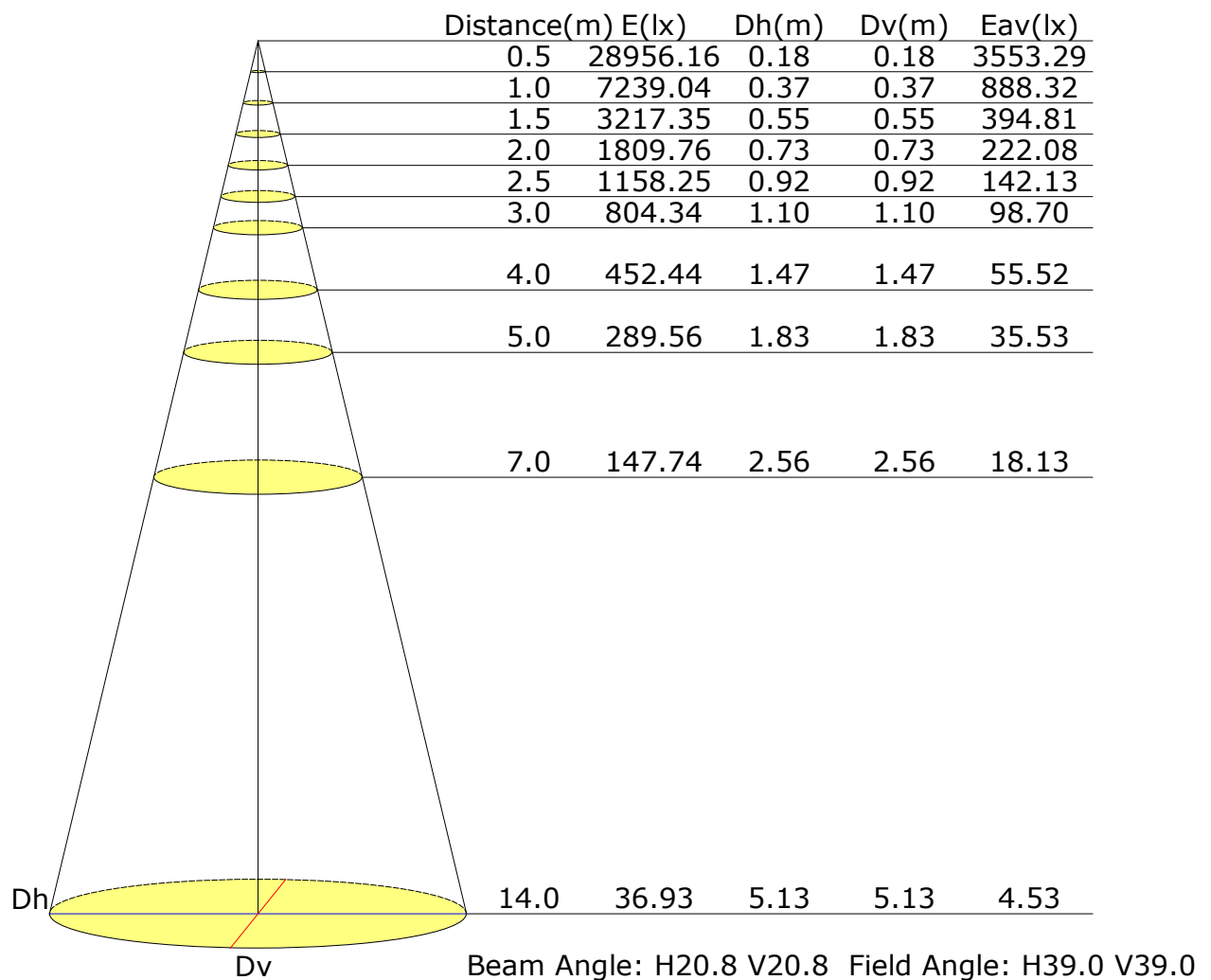


Mounting Height: 10m    Max Lux(100%): 72 lx			
— ( 1%):	1 lx	— ( 2%):	1 lx
— ( 5%):	4 lx	— ( 10%):	7 lx
— ( 20%):	14 lx	— ( 50%):	36 lx
— (100%):	72 lx		

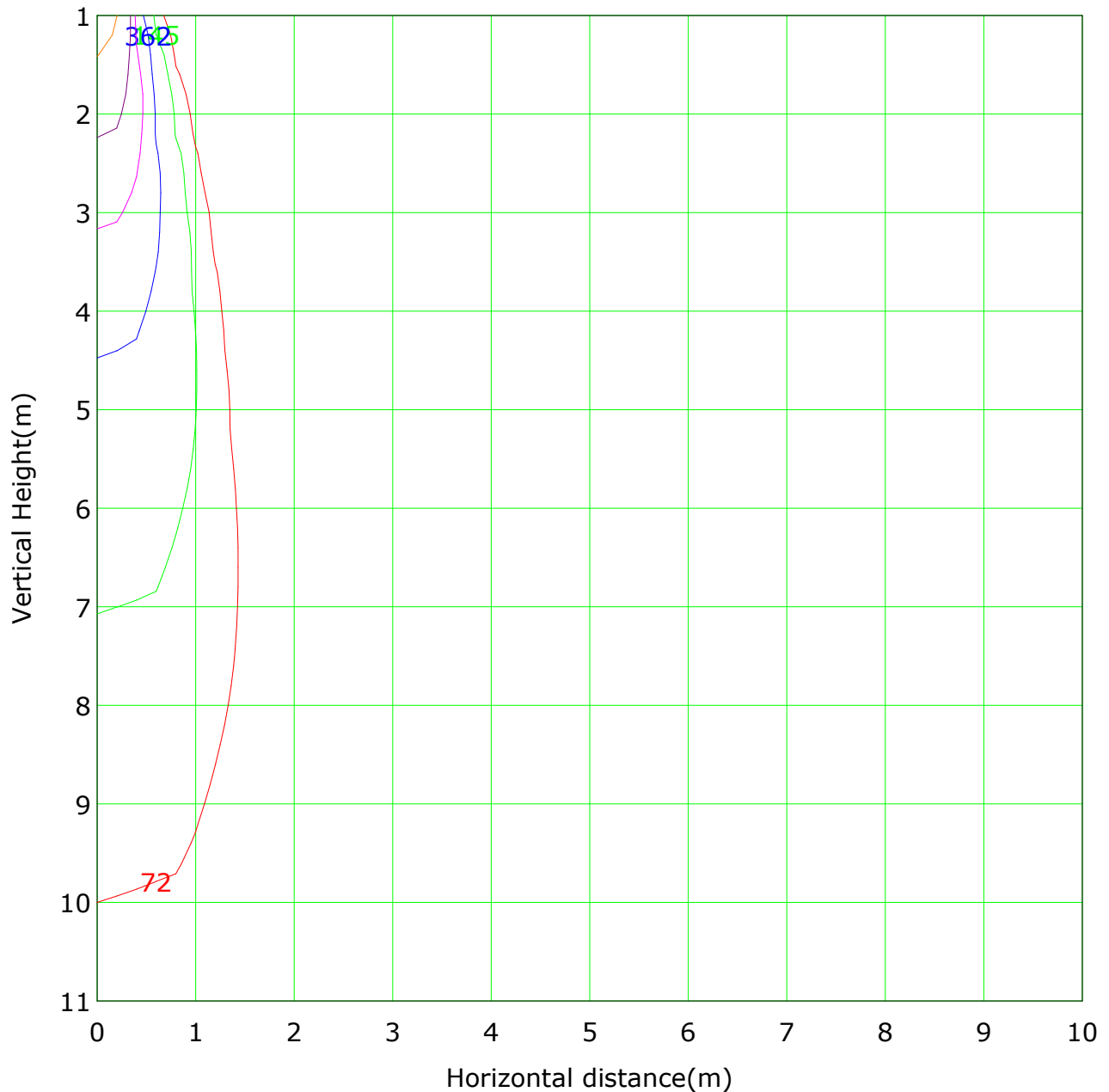
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



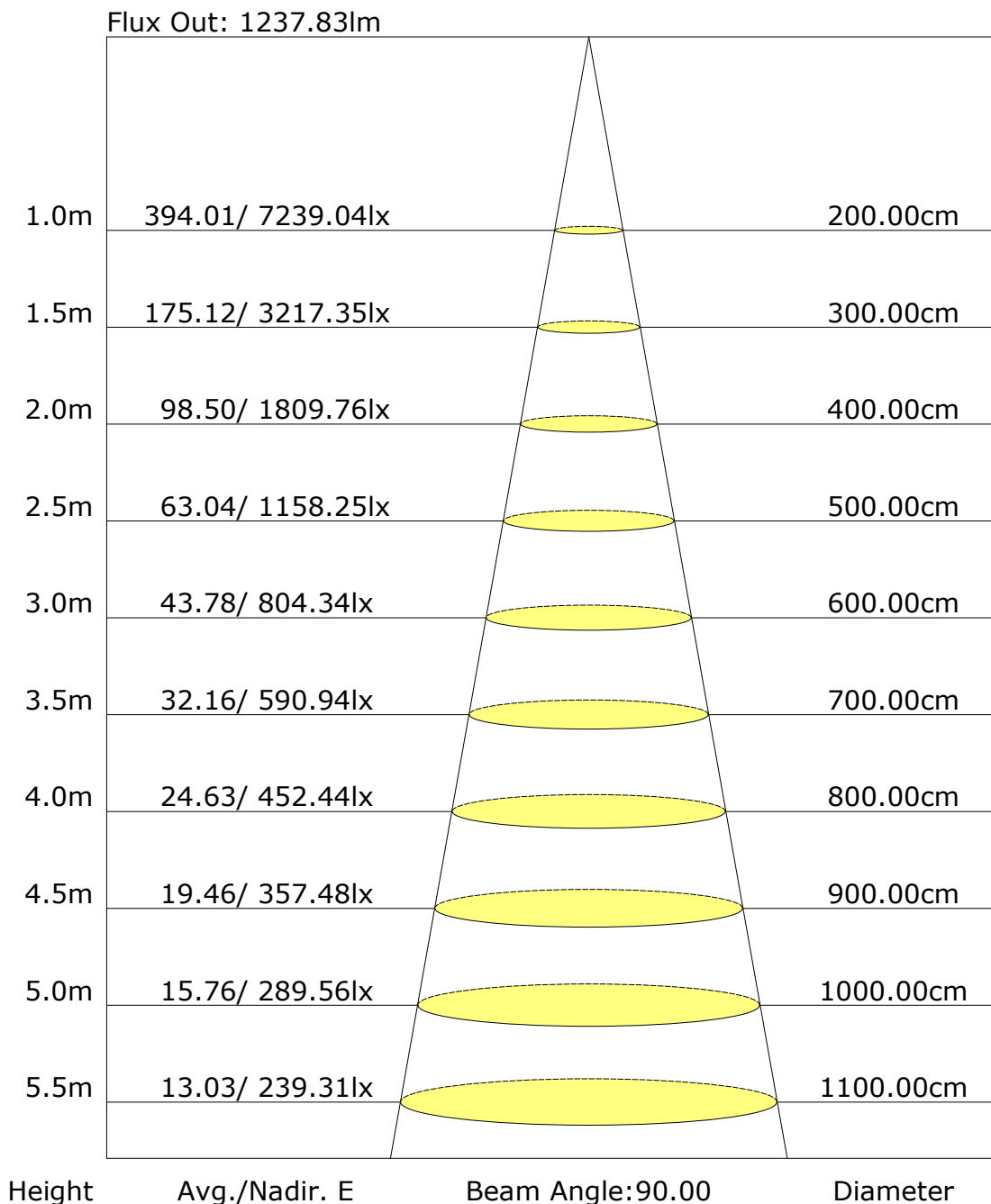
Lowest(m): 1m Highest(m): 11 Max Lux: 7239

( 1%): 72 lx	( 2%): 145 lx
( 5%): 362 lx	( 10%): 724 lx
( 20%): 1448 lx	( 50%): 3620 lx
(100%): 7239 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:

## Zonal Lumen

[illegible]

Inspector:



## Candlepower Table

Unit: cd

[illegible]

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: