

Report No.:32.05516 FOS Track Light

Test Time: 2023-06-30 18:20

## Luminaire Property

Luminaire Category: Citizen 1203 3000K CRI90

Luminaire Description: FOS 55 15D

Current: 0.115 A

Power Factor: 0.625

Voltage: 220.1 V

Power: 15.90 W

## 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

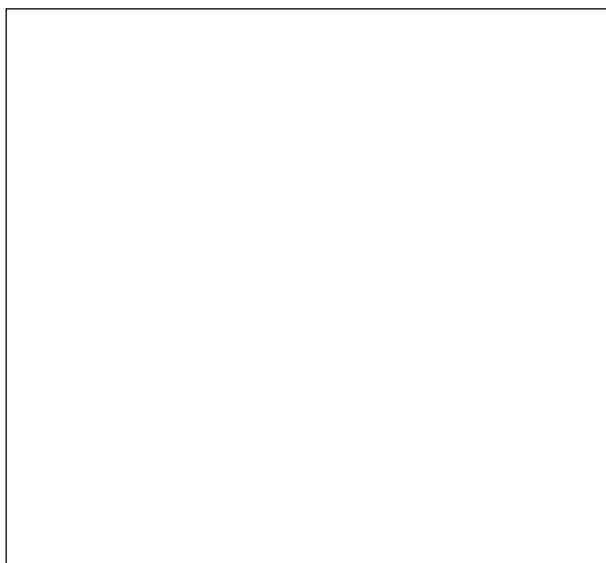
Efficiency: 100%

Upward Ratio: 0%

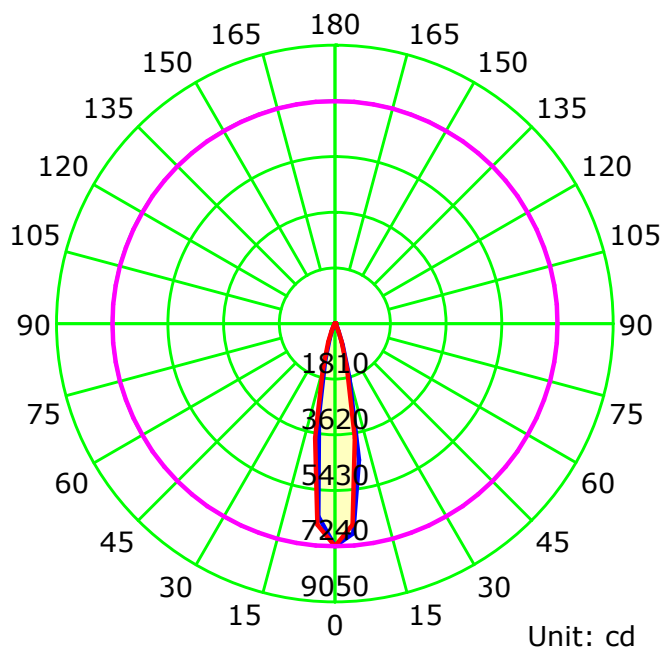
Central Intensity: 7239.04 cd

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

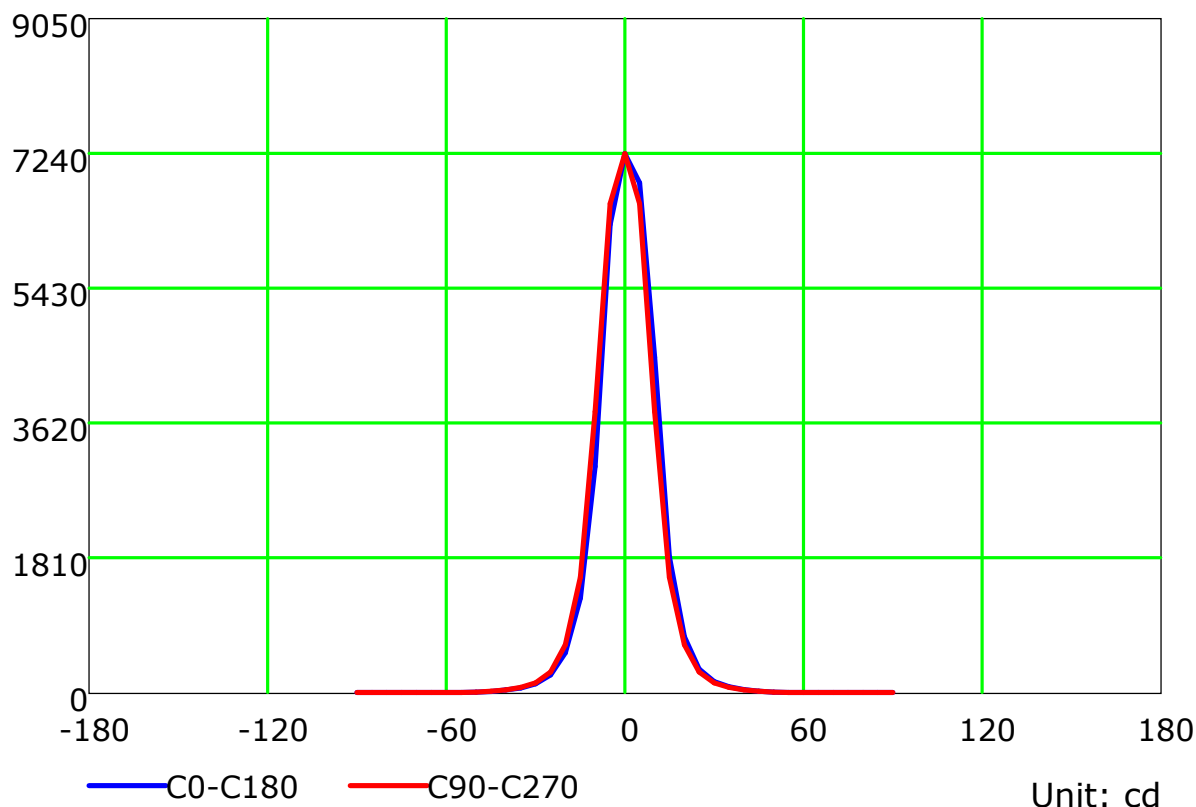
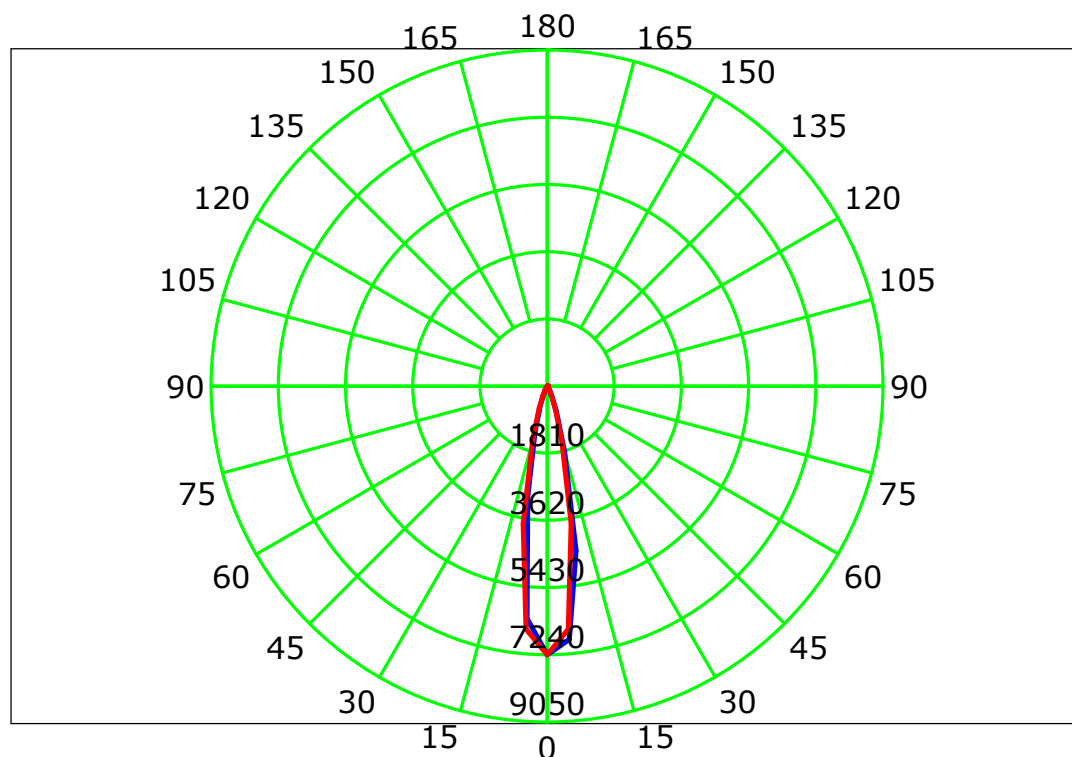
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

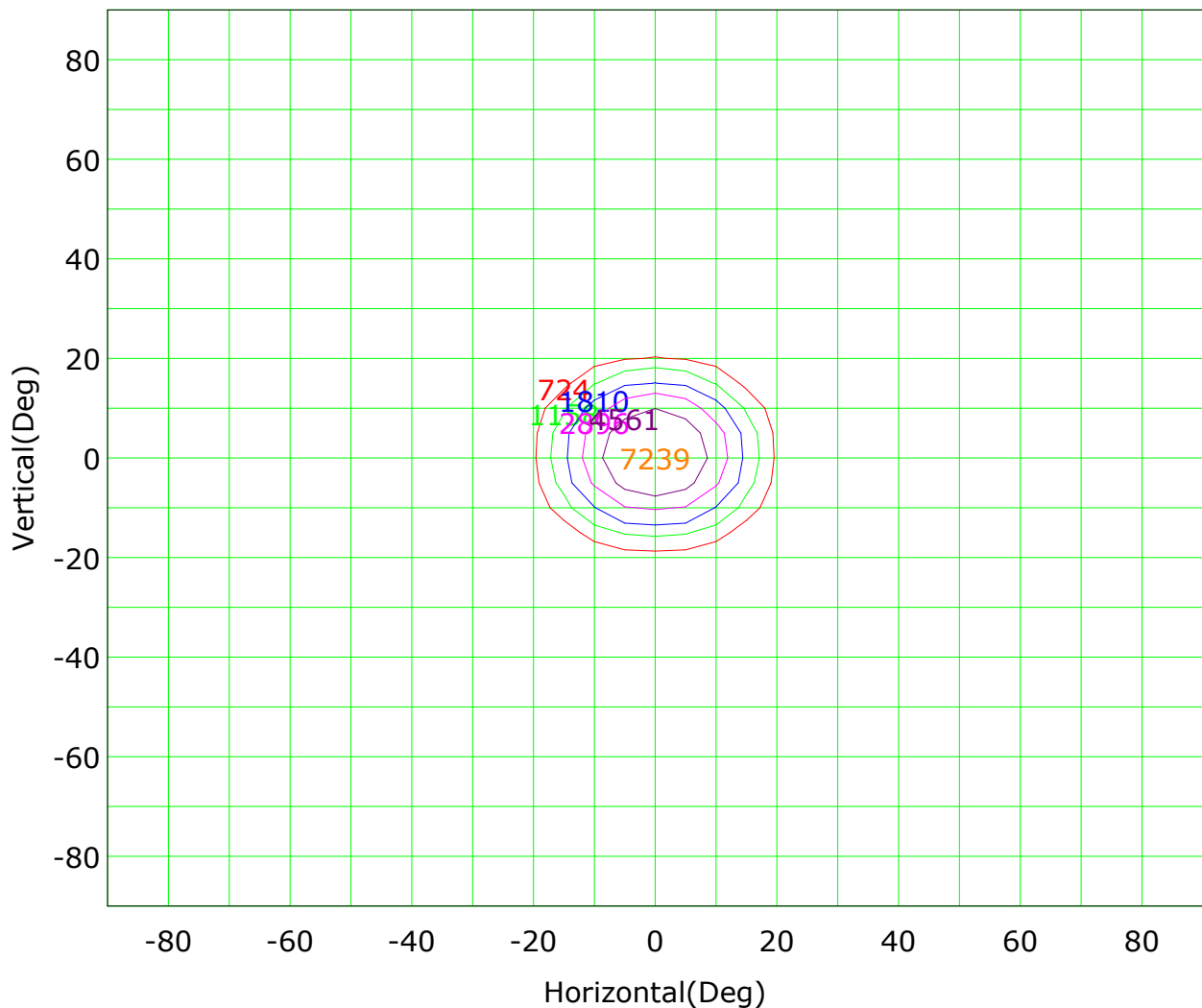
## Luminous Intensity Distribution Curve



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

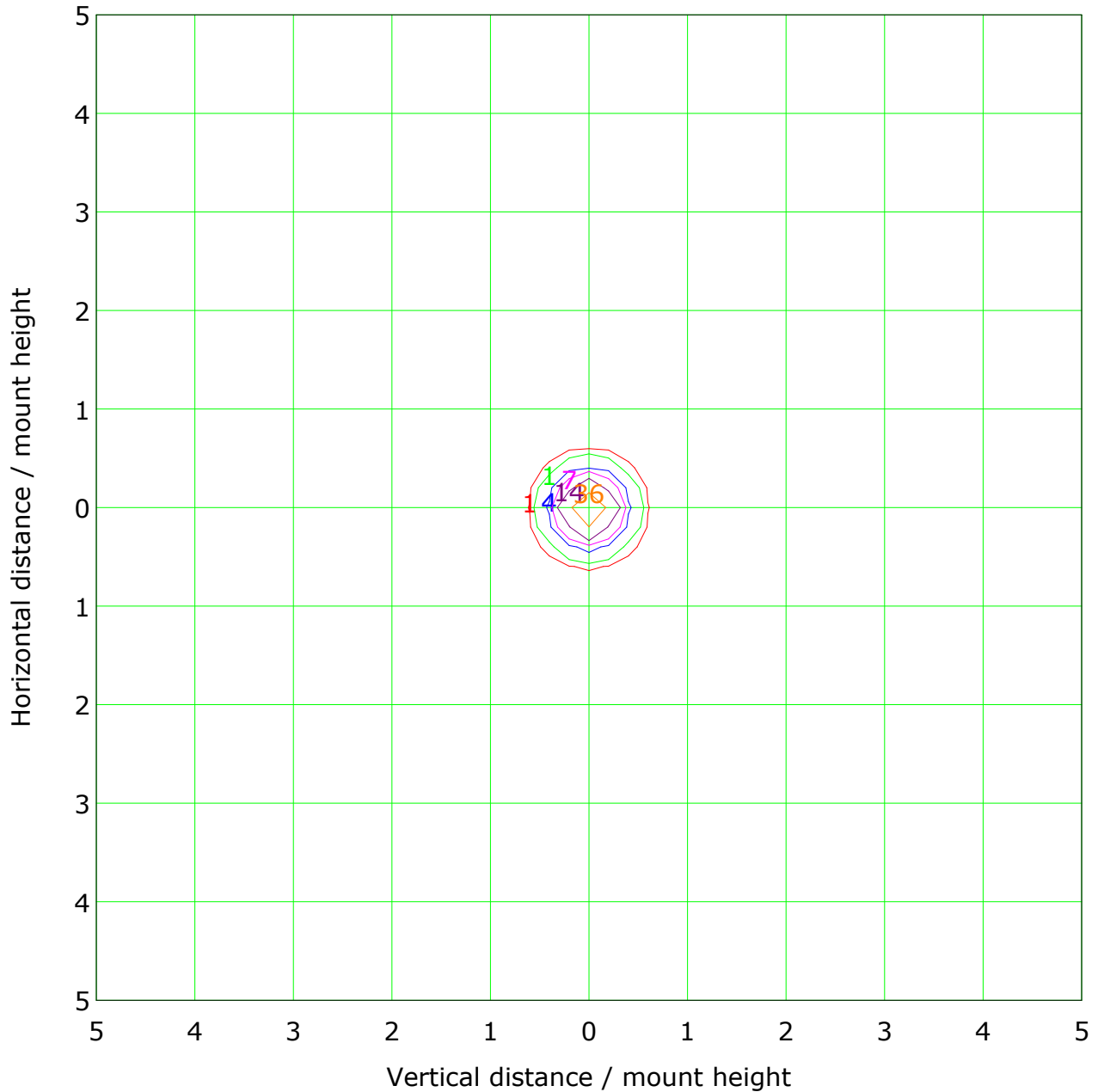
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

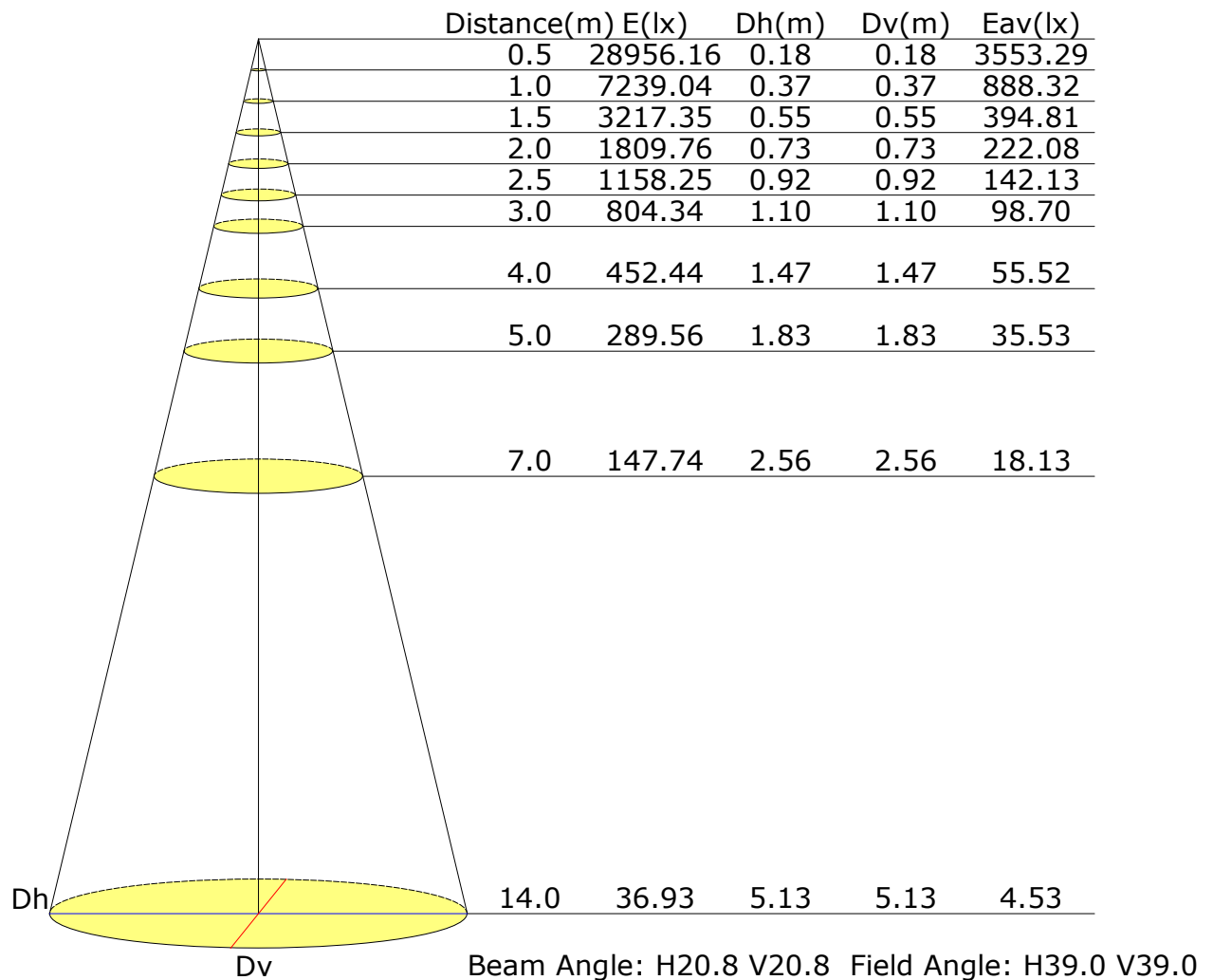


Mounting Height: 10m		Max Lux(100%): 72 lx	
( 1%):	1 lx	( 2%):	1 lx
( 5%):	4 lx	( 10%):	7 lx
( 20%):	14 lx	( 50%):	36 lx
(100%):	72 lx		

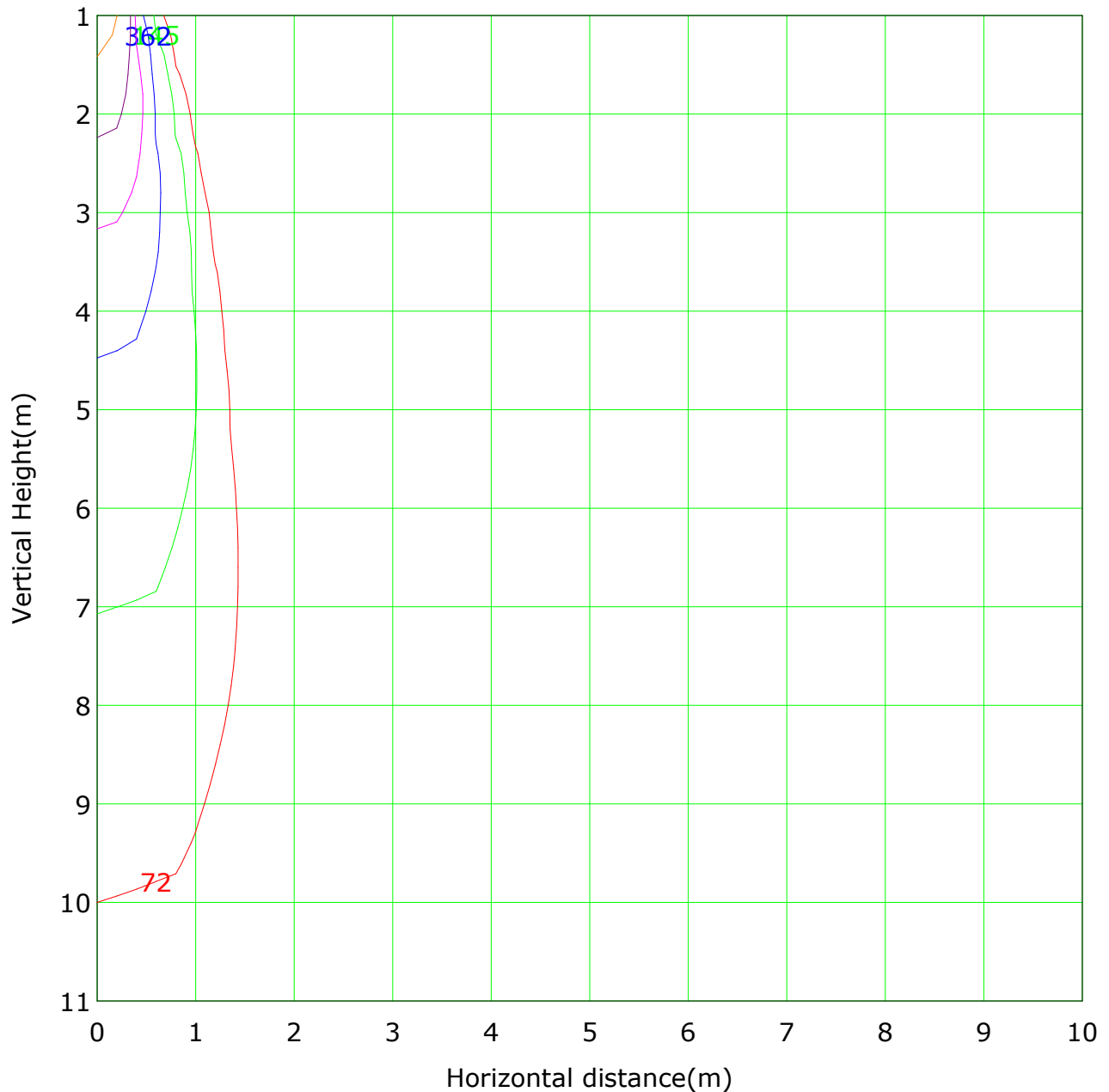
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



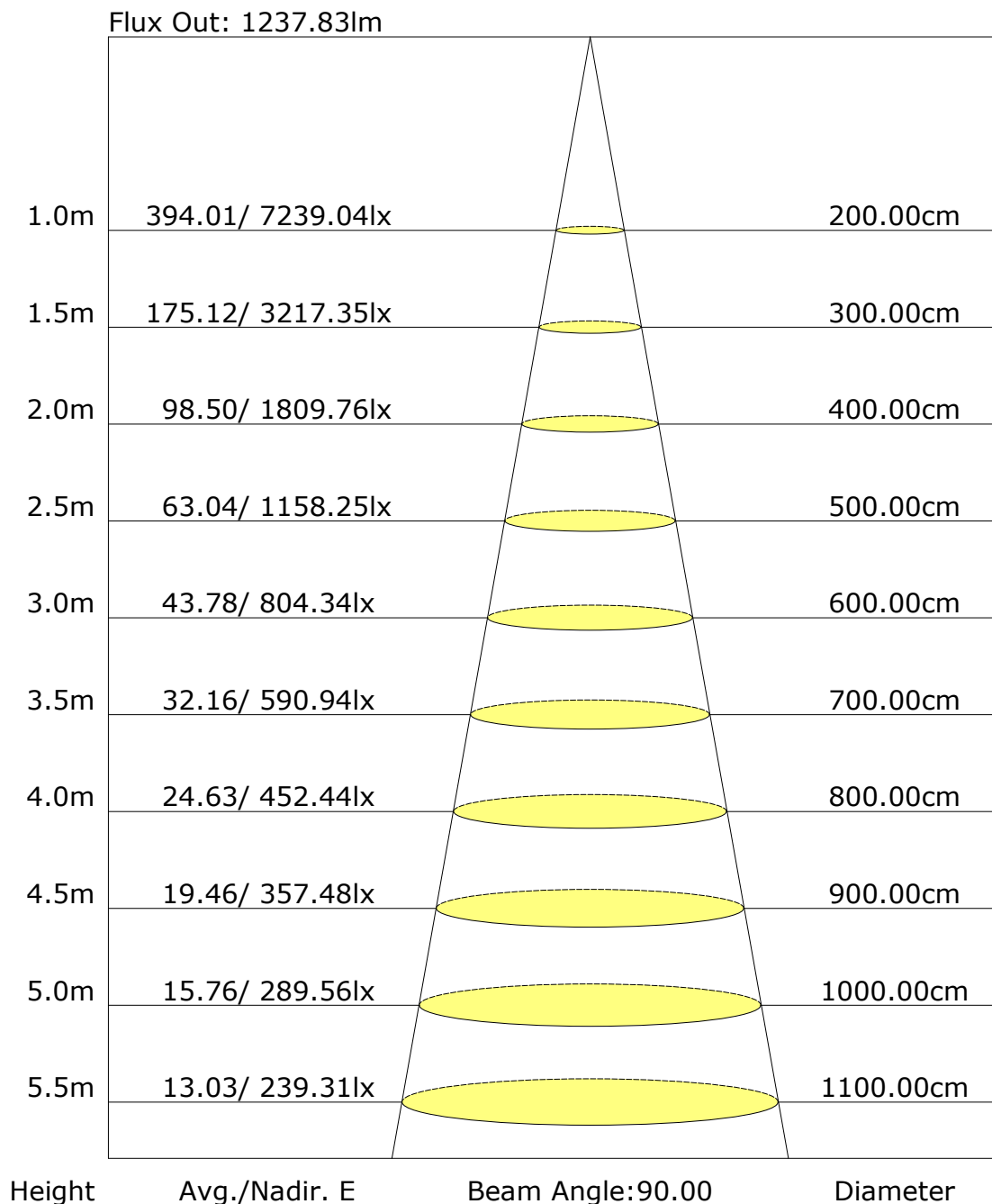
Lowest(m): 1m    Highest(m): 11    Max Lux: 7239

( 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: