

Report No.: 56.03713 NOVAL Downlight

Test Time: 2023-07-04 20:15

## Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90

Voltage: 220.2 V

Current: 0.055 A

Power: 6.40 W

Power Factor: 0.525

## Photometric Results

CIE Class: Direct

Measurement Flux: 372.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H35

Vertical Diffuse Angle(50%): V35

Luminaire Efficacy Rating (LER): 58

Max. Intensity: 894.11 cd

Total Rated Lamp Lumens: 372.3 lm

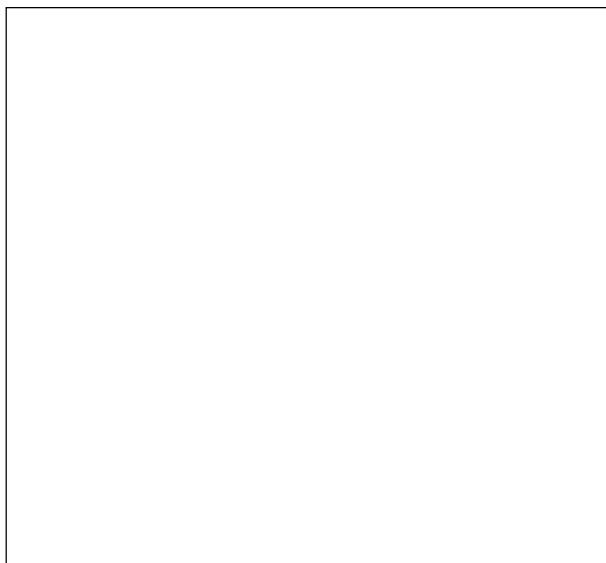
Efficiency: 100%

Upward Ratio: 0%

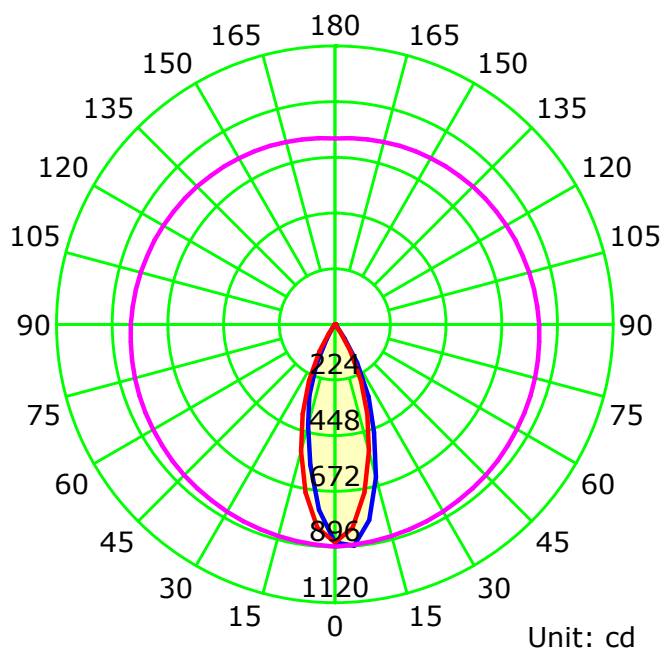
Central Intensity: 876.86 cd

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

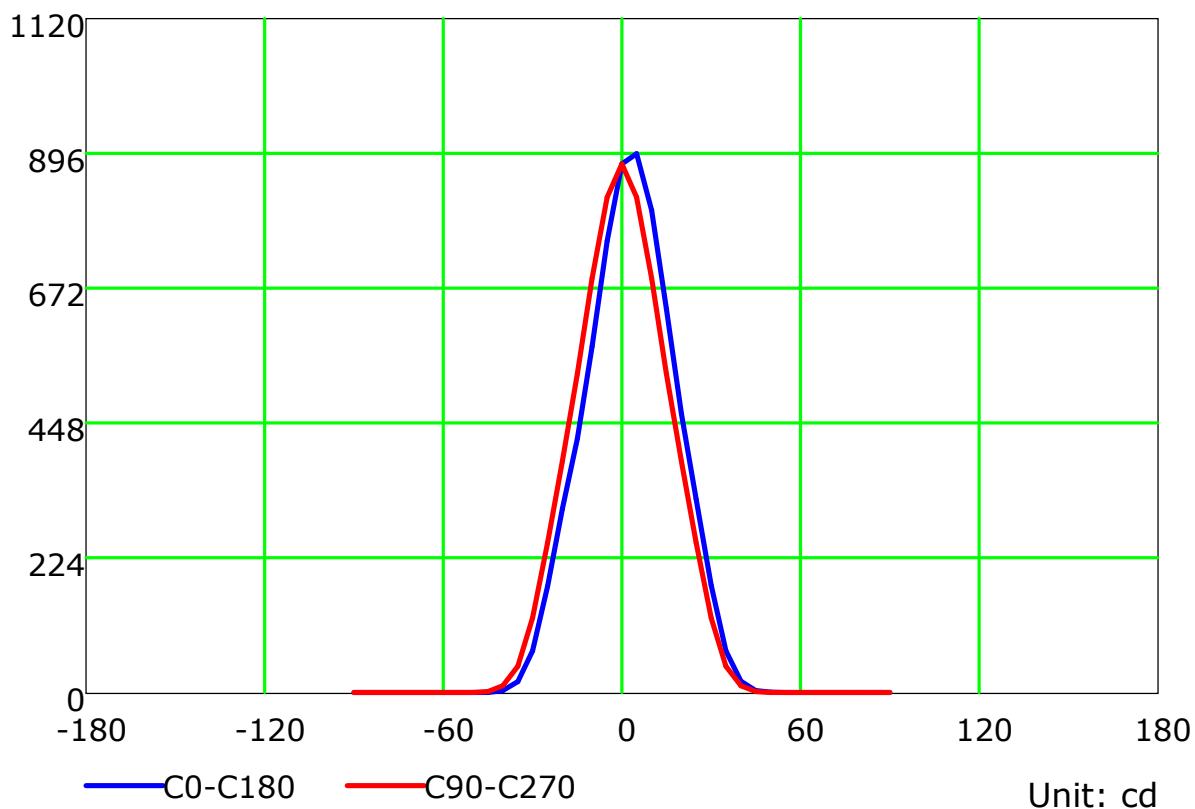
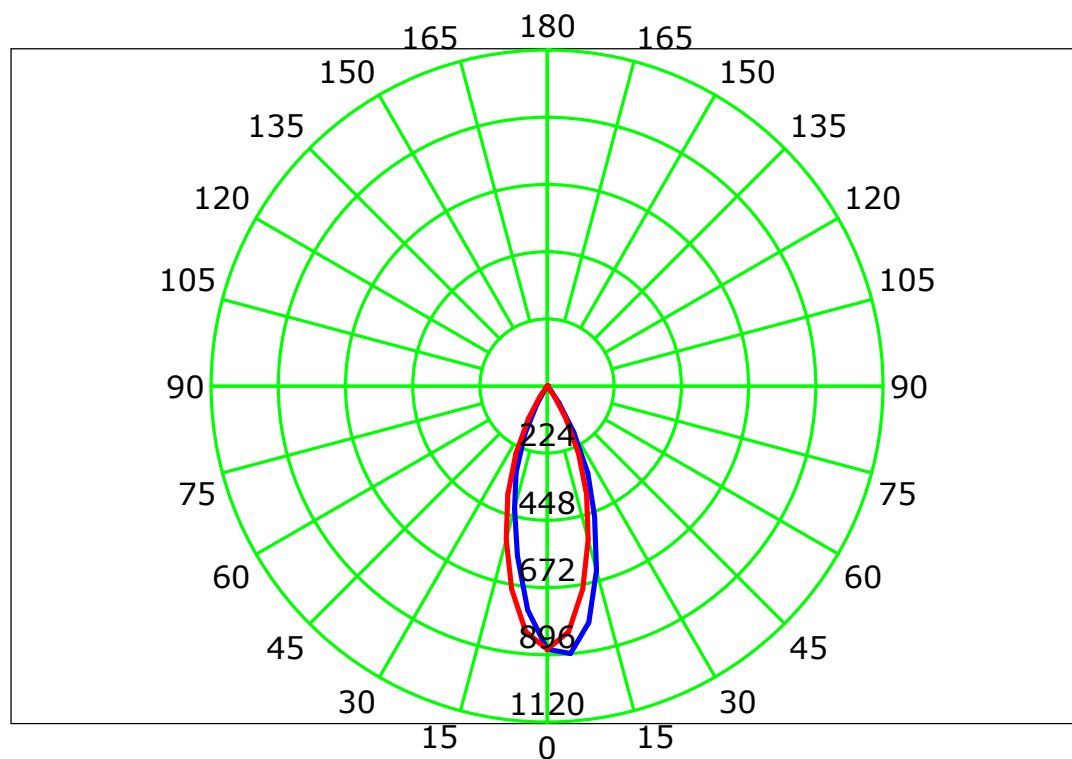
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

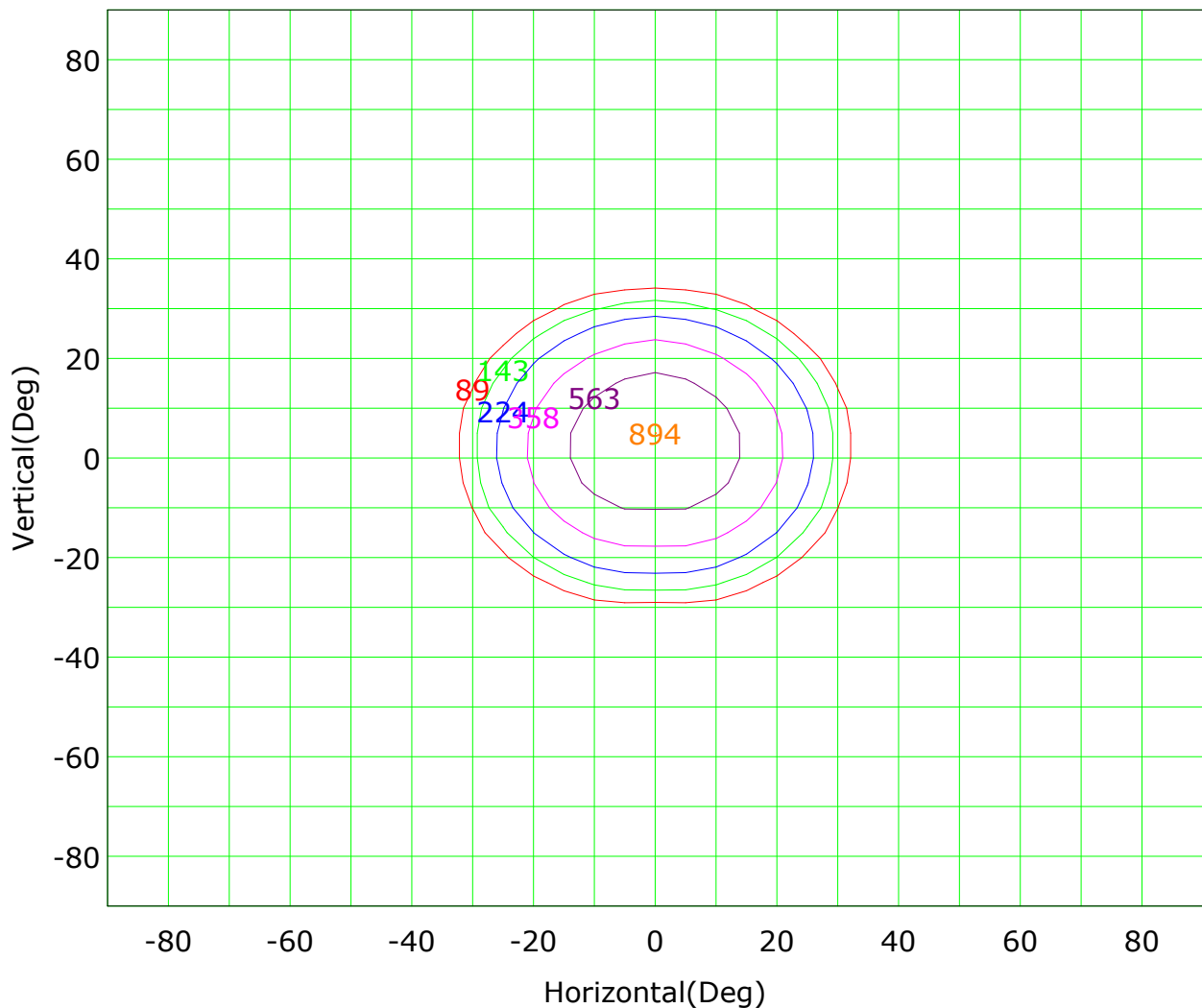
## Luminous Intensity Distribution Curve



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%): 894 cd

( 10%):	89 cd	( 16%):	143 cd
( 25%):	224 cd	( 40%):	358 cd
( 63%):	563 cd	(100%):	894 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

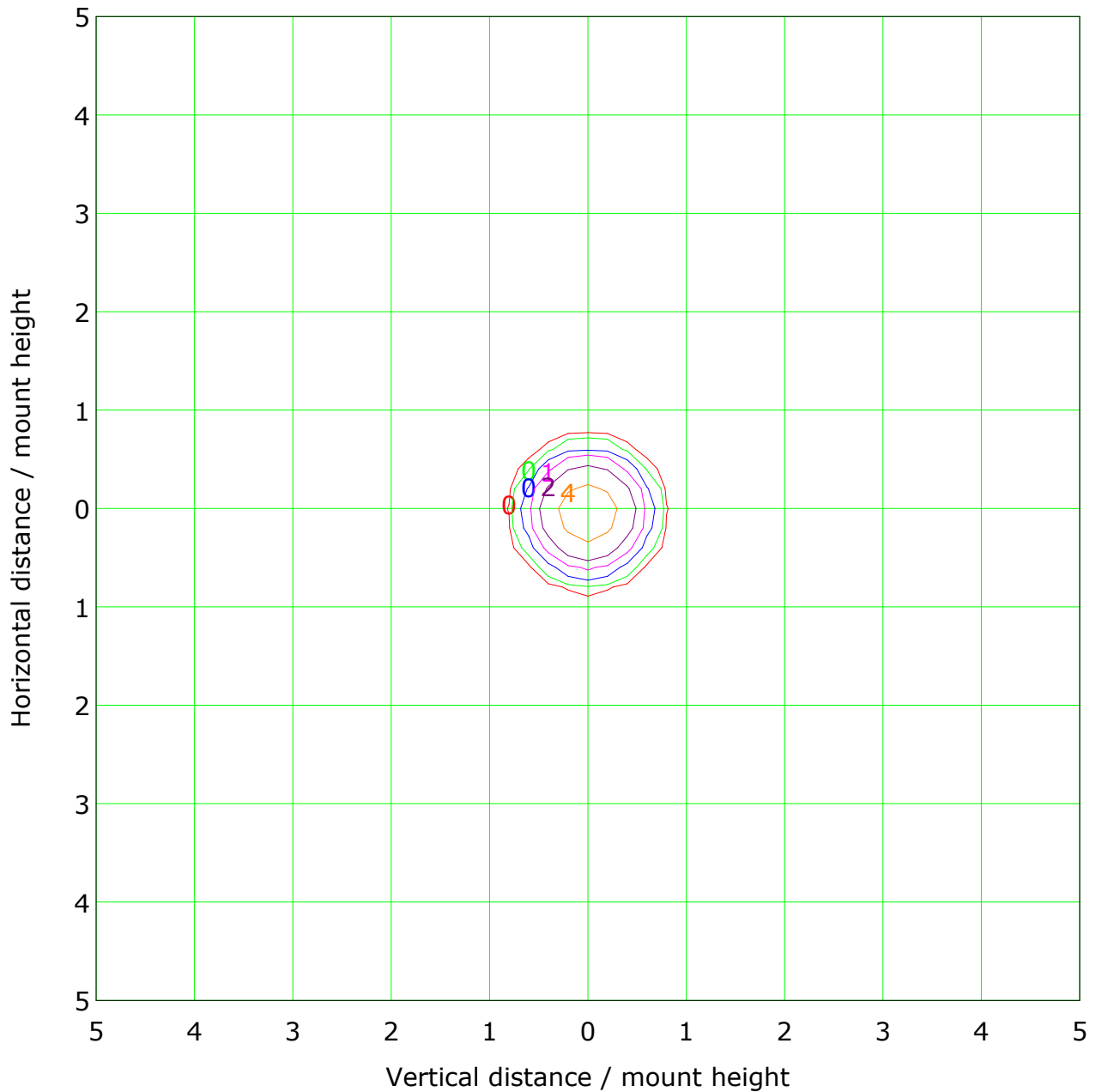
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

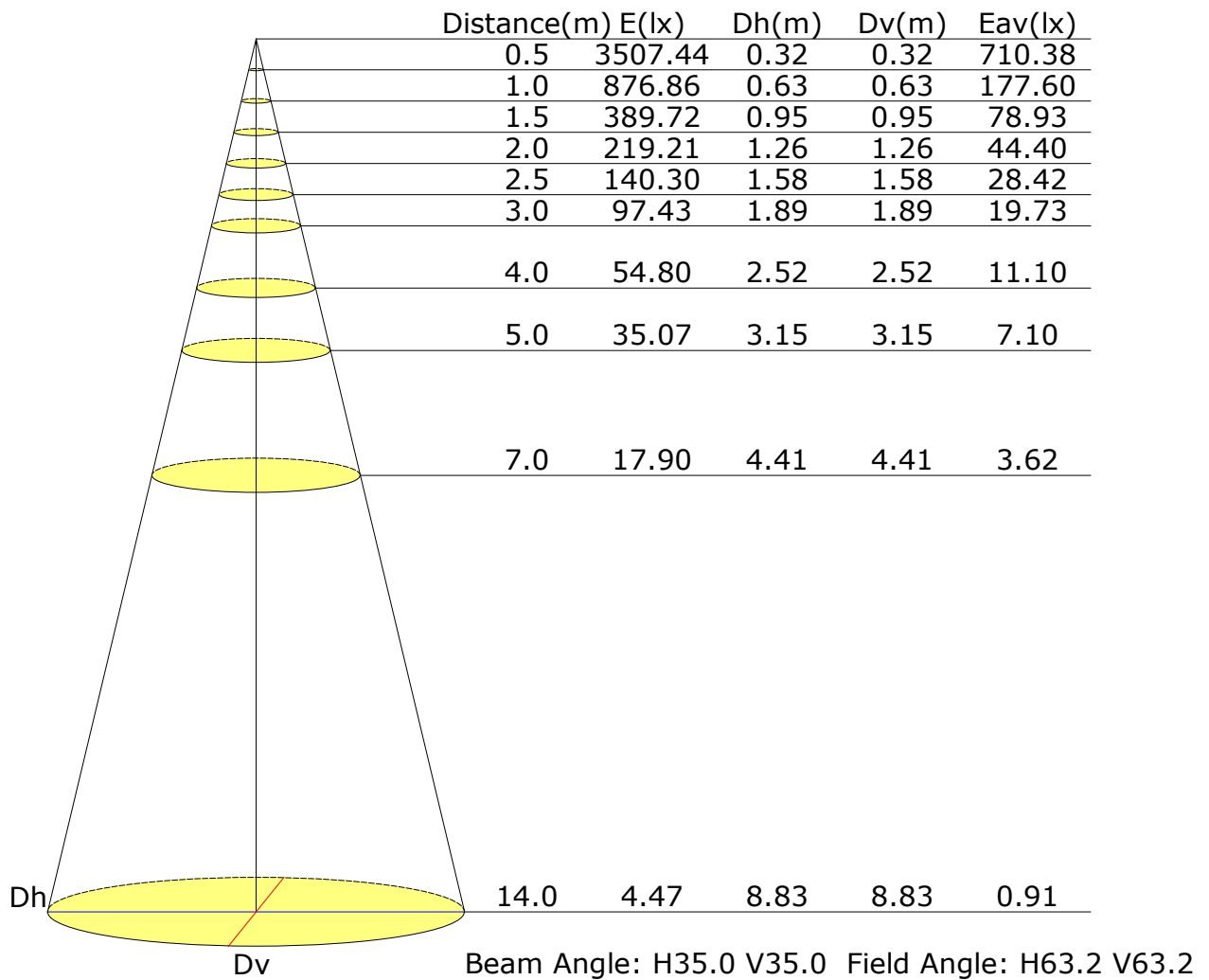


Mounting Height: 10m    Max Lux(100%): 9 lx			
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	0 lx	— ( 10%):	1 lx
— ( 20%):	2 lx	— ( 50%):	4 lx
— (100%):	9 lx		

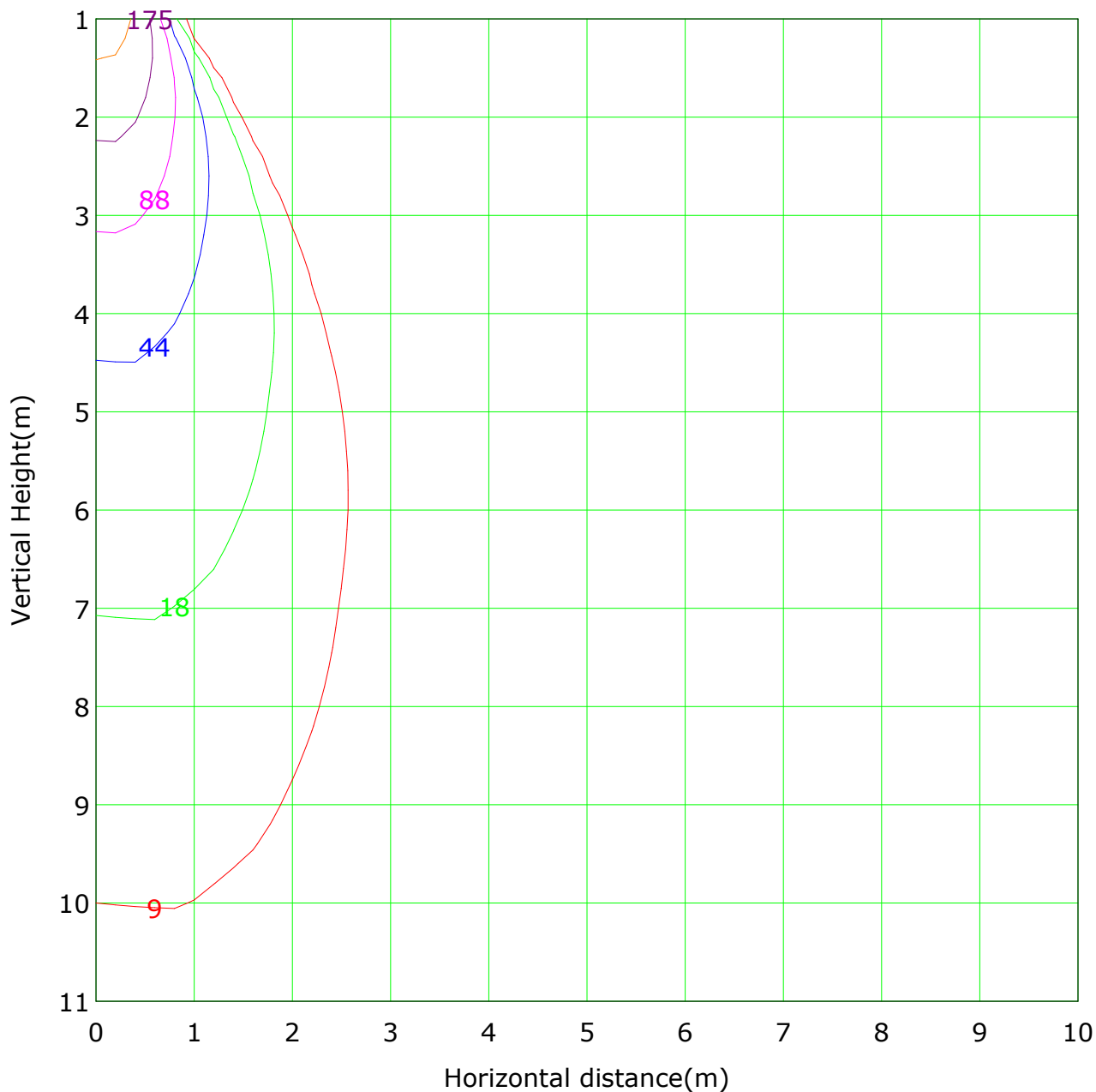
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



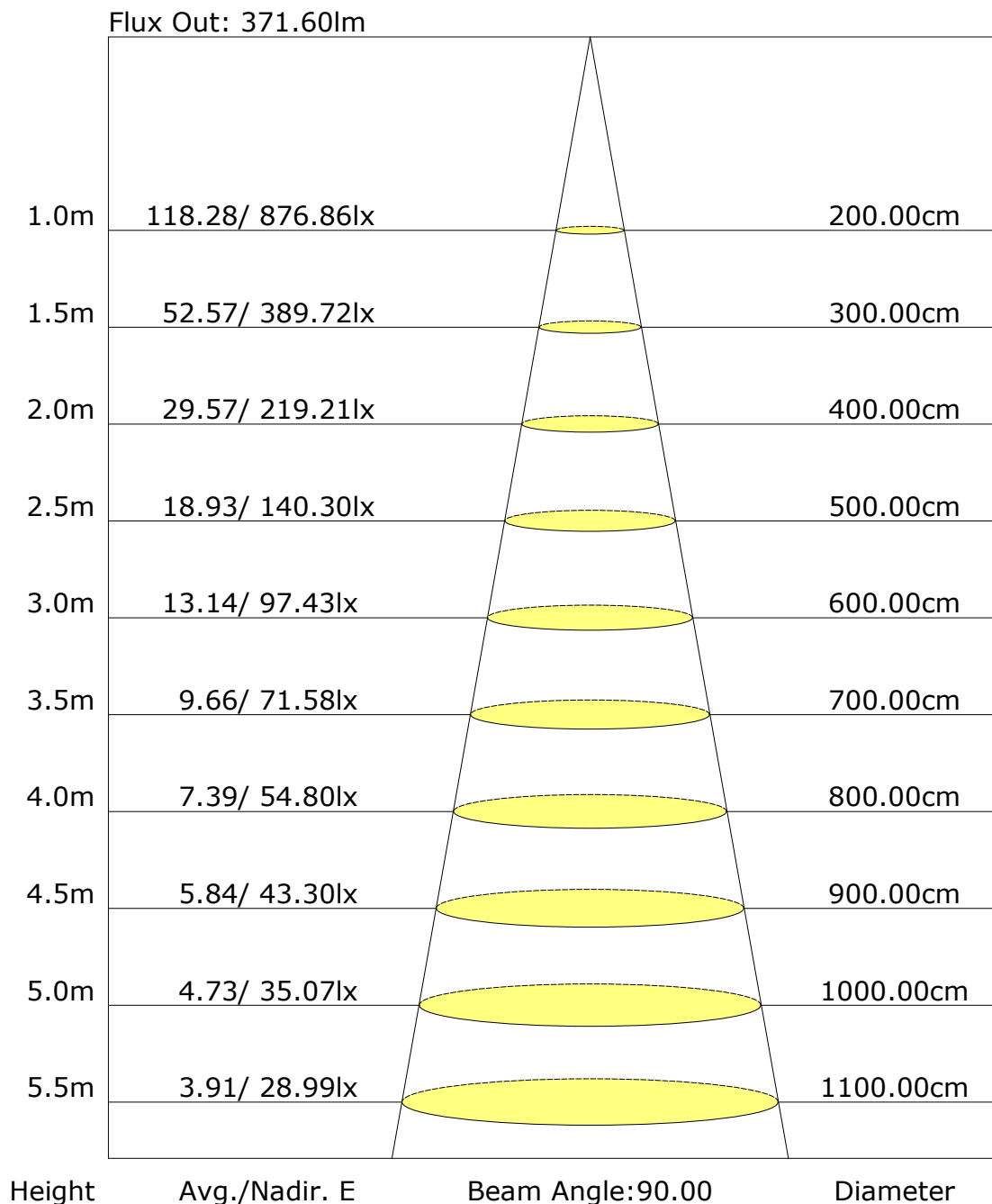
Lowest(m): 1m Highest(m): 11 Max Lux: 877

( 1%): 9 lx	( 2%): 18 lx
( 5%): 44 lx	( 10%): 88 lx
( 20%): 175 lx	( 50%): 438 lx
(100%): 877 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: