

Report No.: 56.02313 NOVAL Recessed Downlight

Test Time: 2023-09-06 17:07

## Luminaire Property

Luminaire Category: Bridgelux V3 3000K CRI90

Voltage: 216.8 V

Current: 0.021 A

Power: 3.80 W

Power Factor: 0.814

## Photometric Results

CIE Class: Direct

Measurement Flux: 167.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H53.4

Vertical Diffuse Angle(50%): V53.4

Luminaire Efficacy Rating (LER): 44

Max. Intensity: 221.64 cd

Total Rated Lamp Lumens: 167.1 lm

Efficiency: 100%

Upward Ratio: 0%

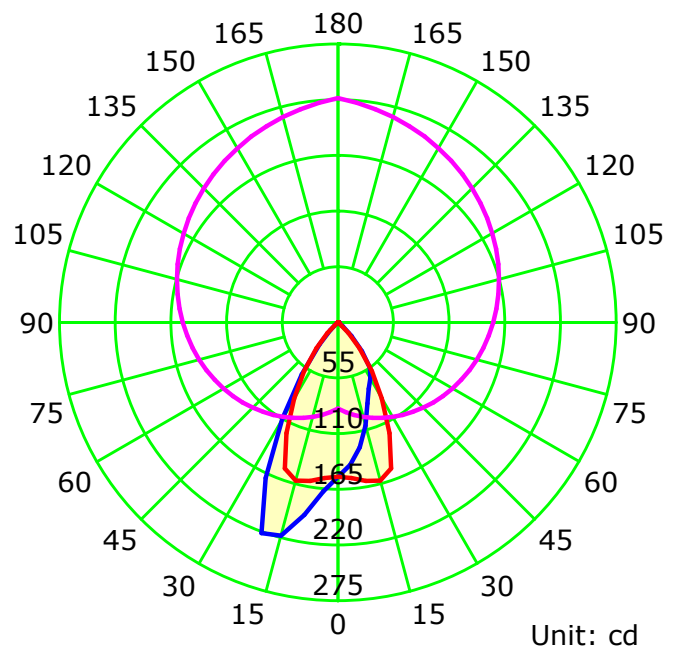
Central Intensity: 152.61 cd

Pos of Max. Intensity: H180 V20

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G20

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

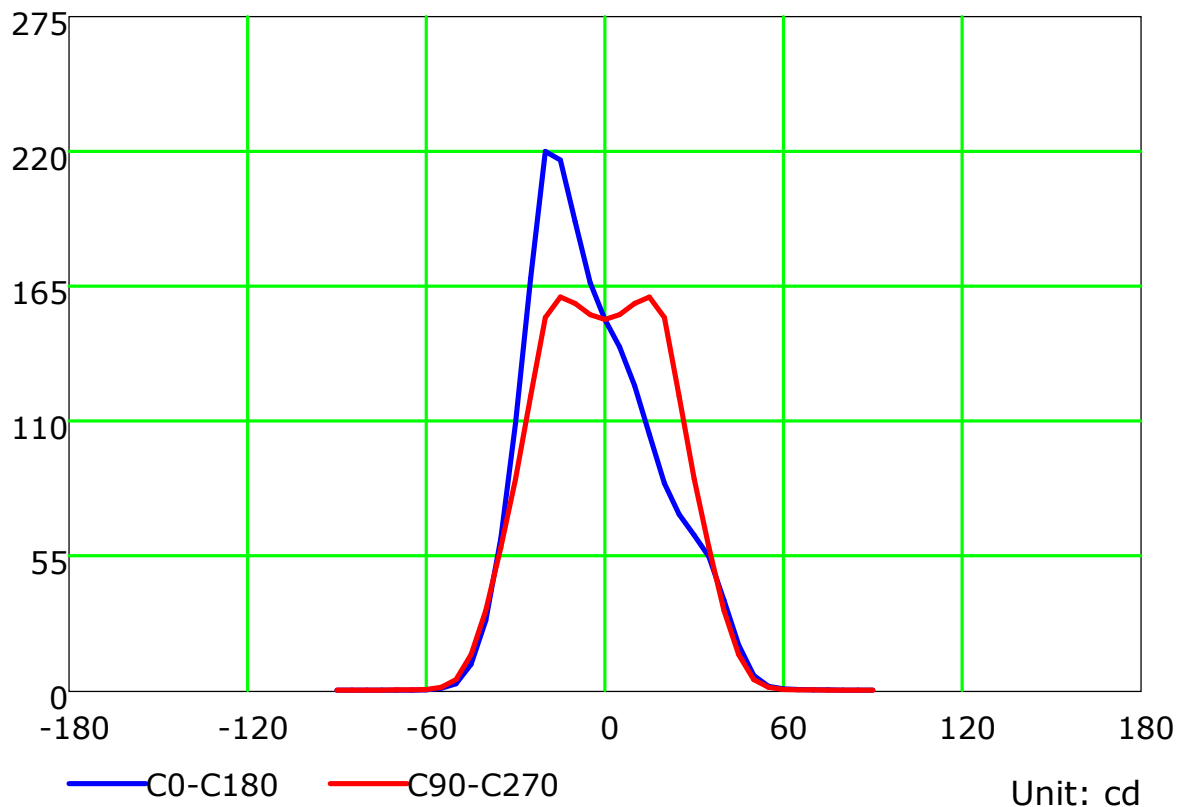
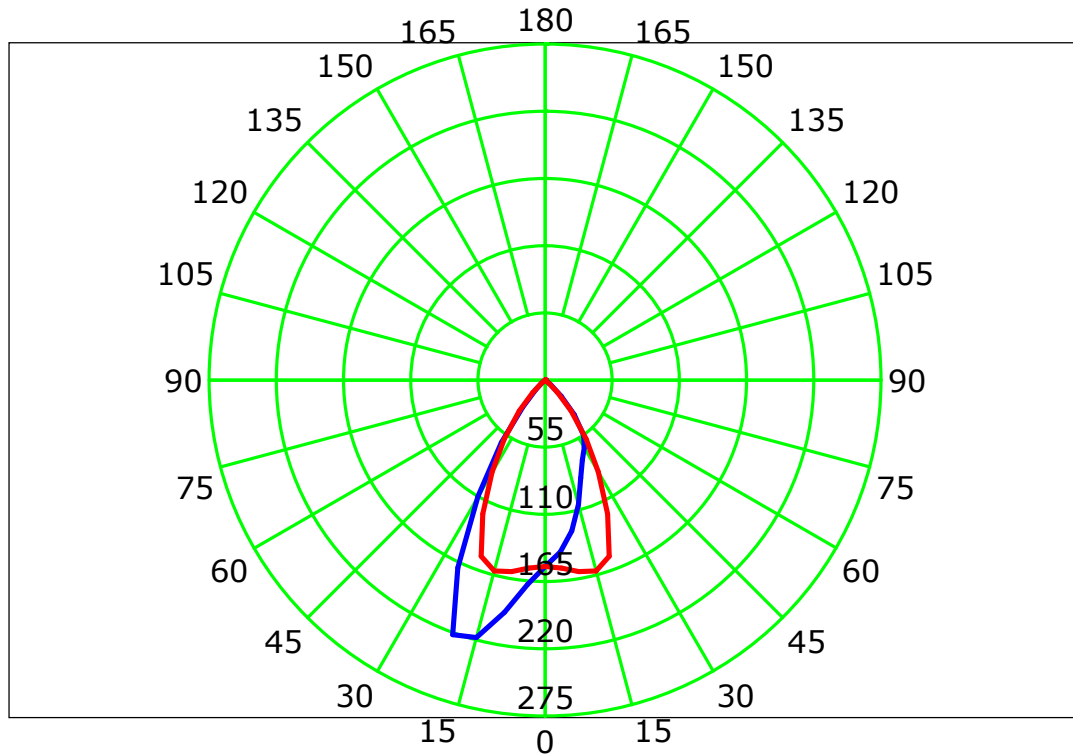
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

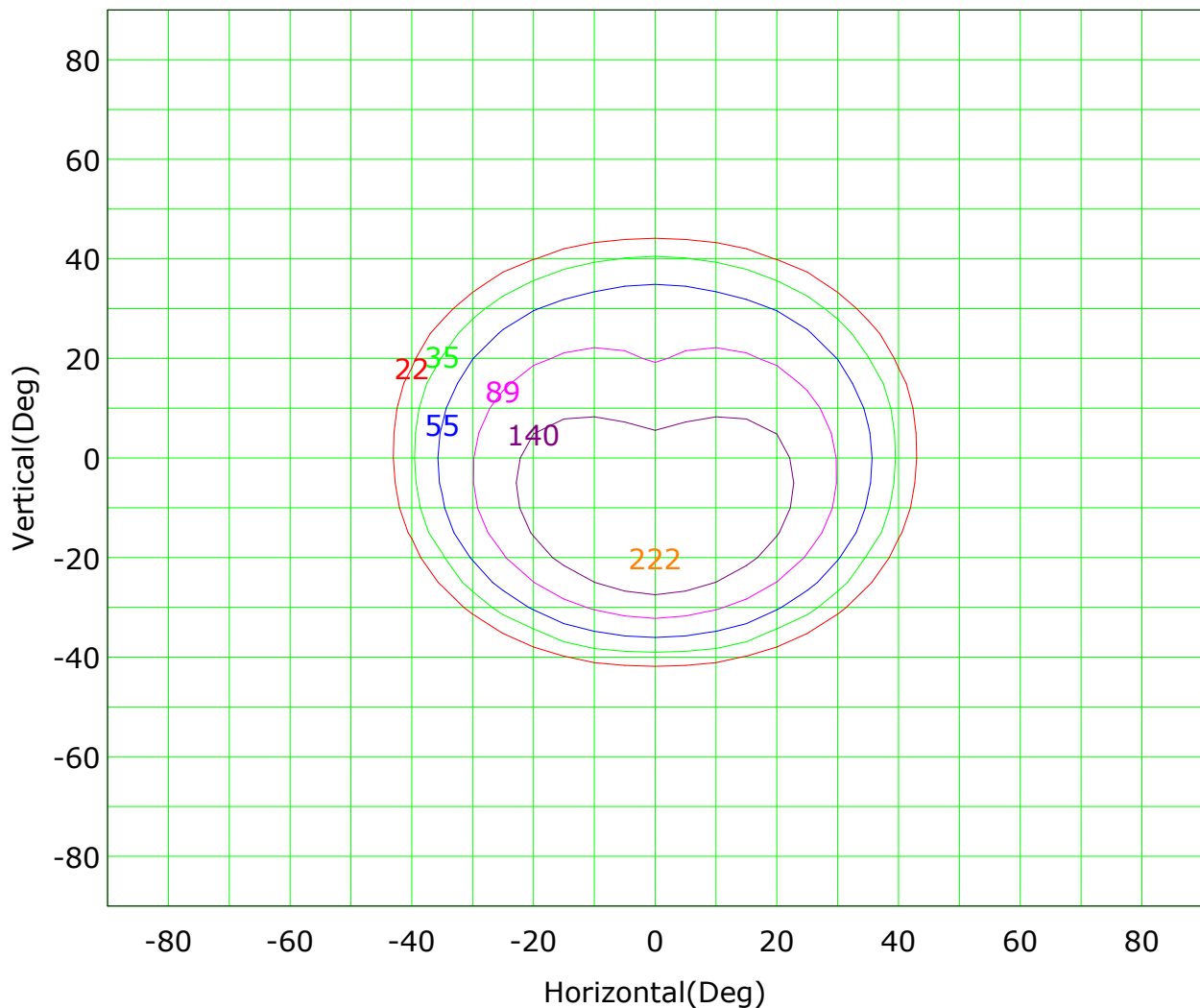
## Luminous Intensity Distribution Curve



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%): 222 cd

( 10%):	22 cd	( 16%):	35 cd
( 25%):	55 cd	( 40%):	89 cd
( 63%):	140 cd	(100%):	222 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

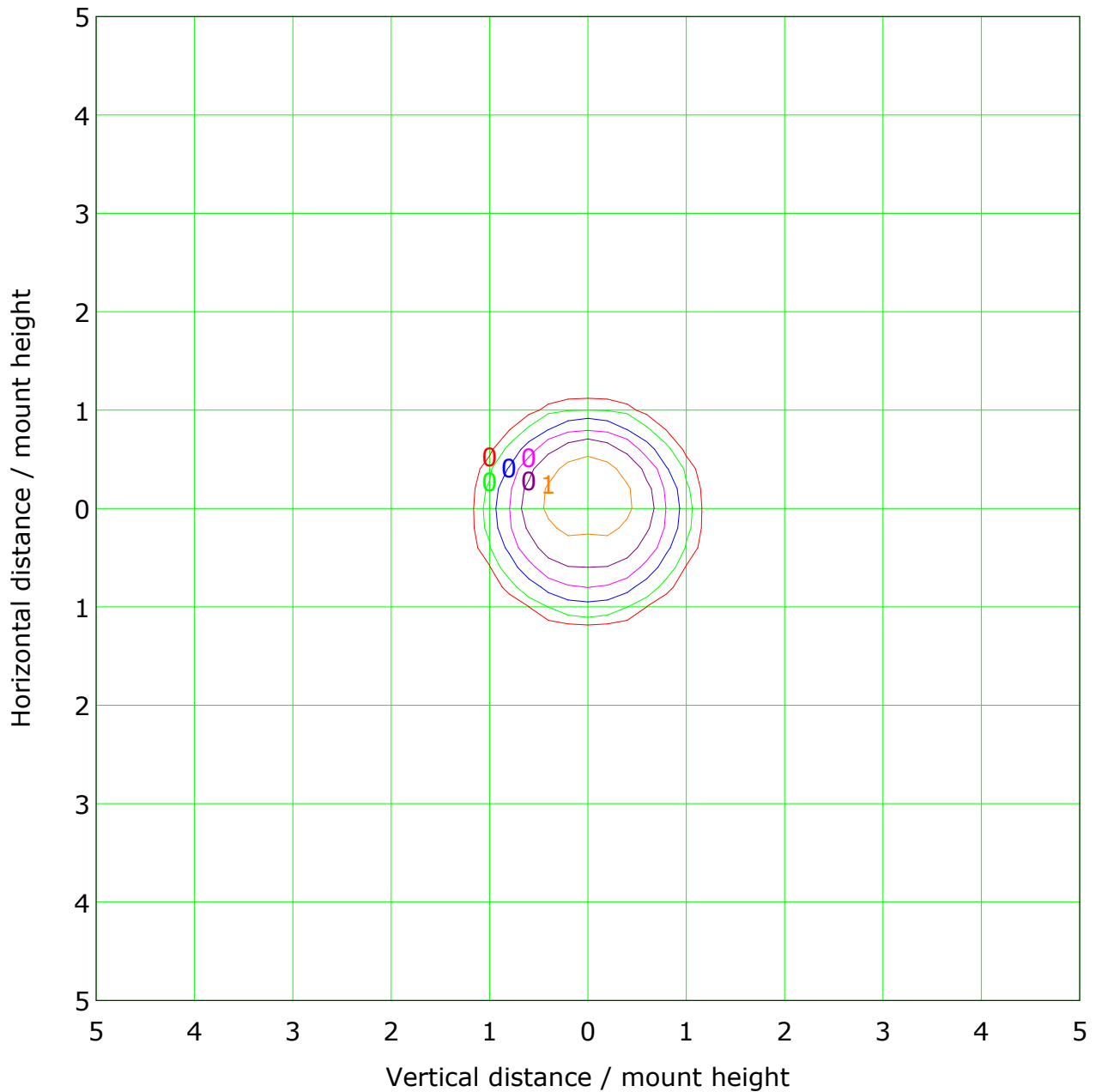
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

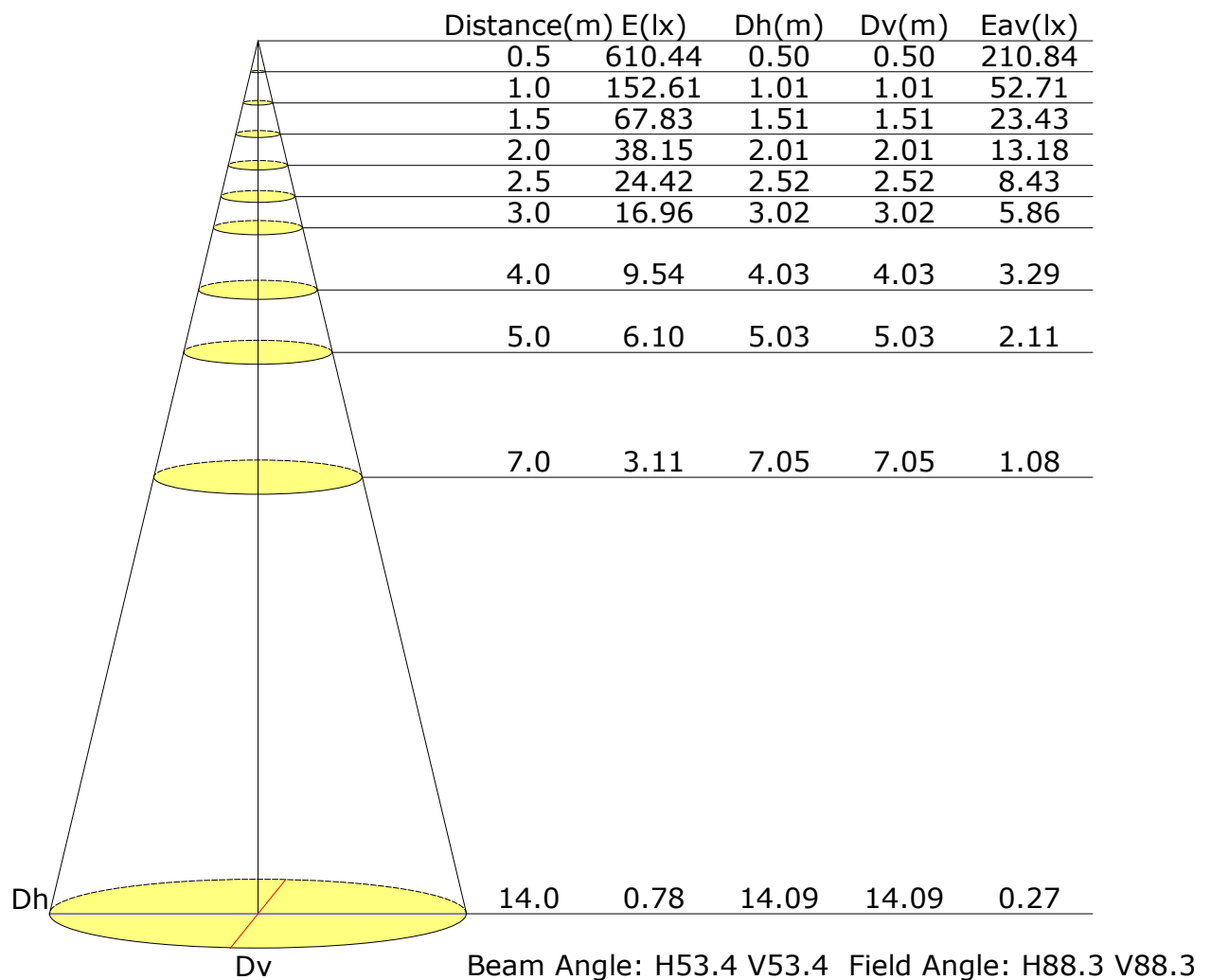
Test Device: CHL-6E

Distance: 3.000 m

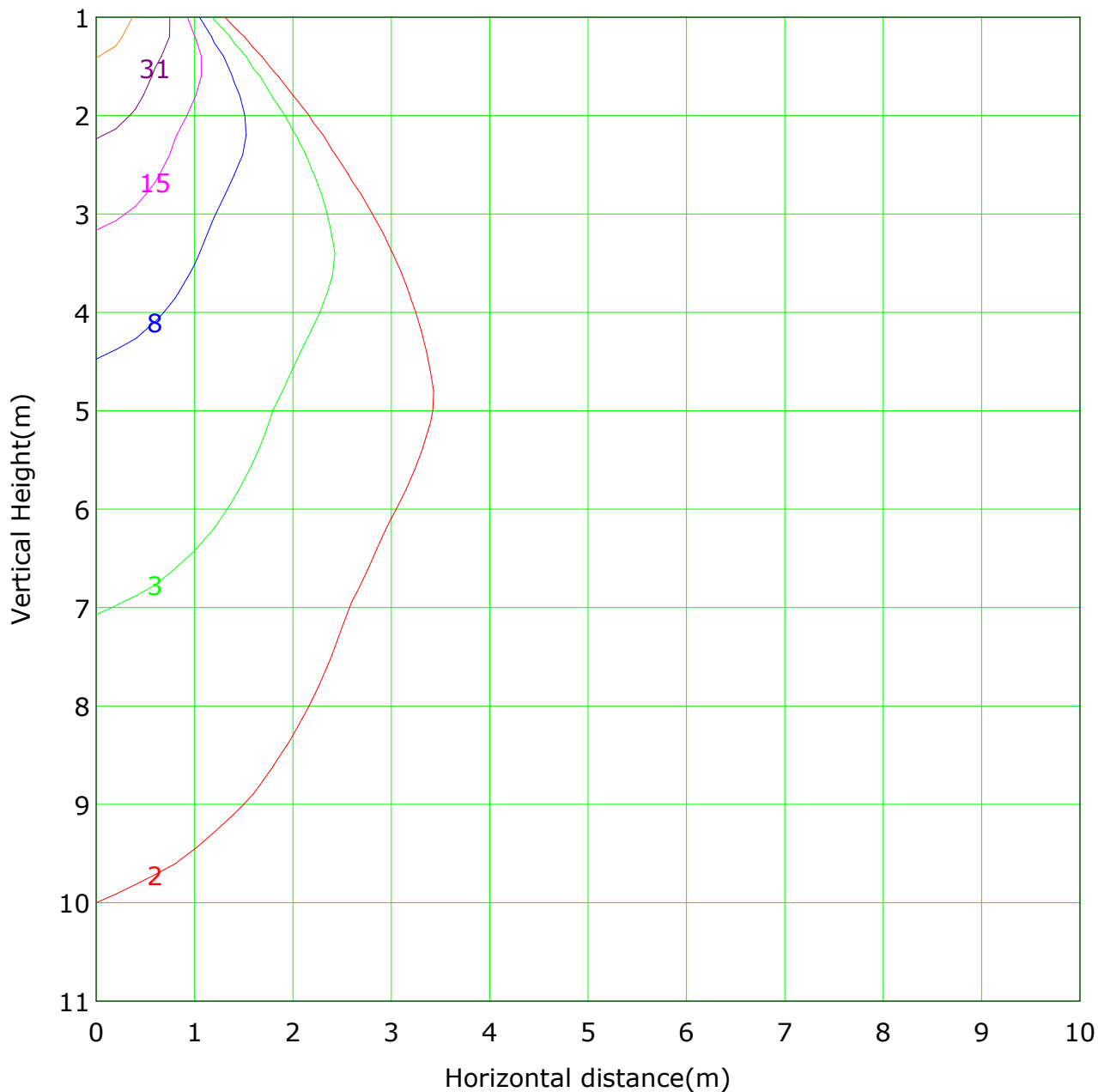
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



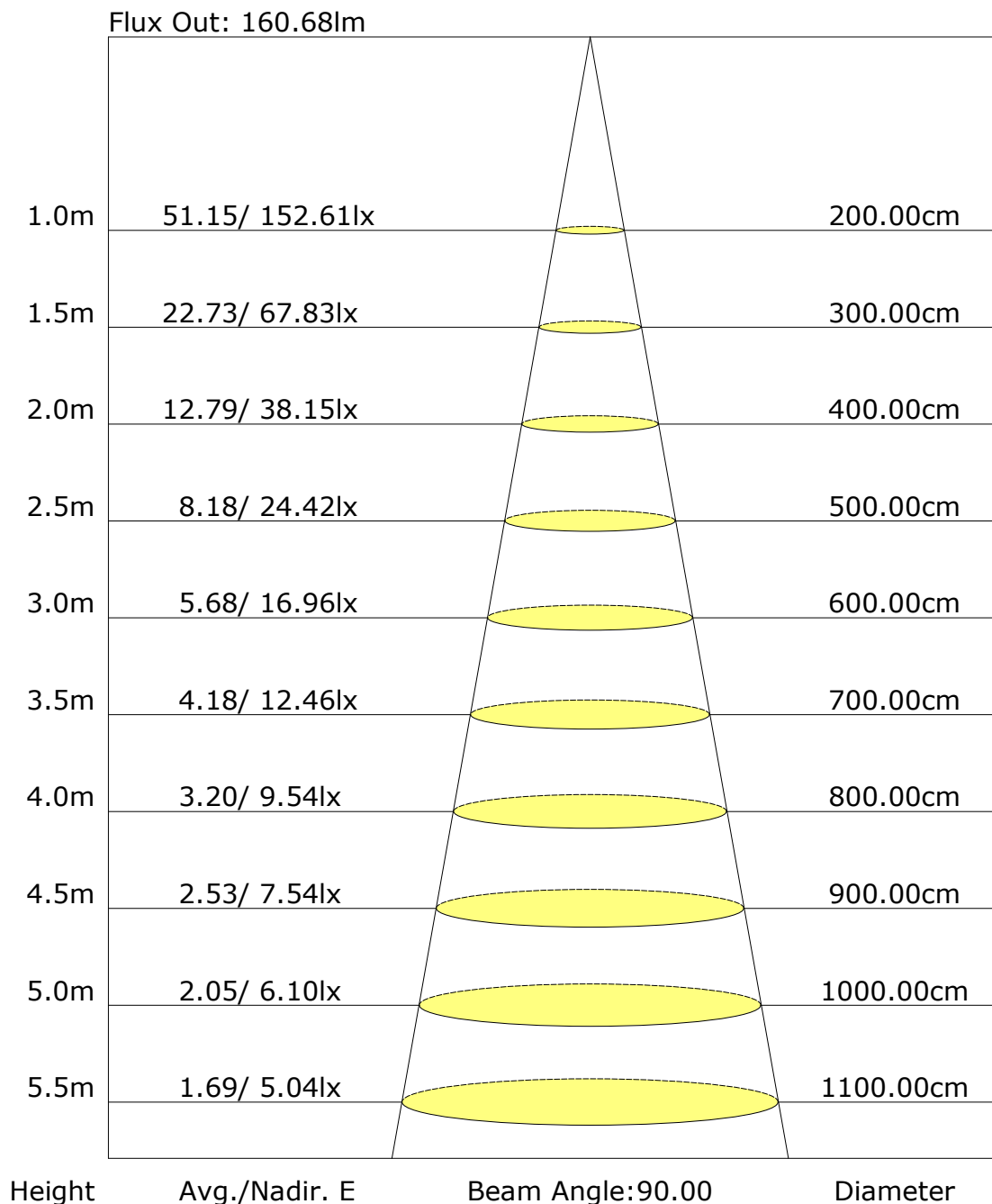
Lowest(m): 1m    Highest(m): 11    Max Lux: 153

( 1%): 2 lx	( 2%): 3 lx
( 5%): 8 lx	( 10%): 15 lx
( 20%): 31 lx	( 50%): 76 lx
(100%): 153 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: