

Report No.: 56.02311 NOVAL Recessed Downlight      Test Time: 2023-09-06 16:49

## Luminaire Property

Luminaire Category: Bridgelux V3 3000K CRI90

Voltage: 221.6 V

Current: 0.021 A

Power: 3.80 W

Power Factor: 0.804

## Photometric Results

CIE Class: Direct

Measurement Flux: 176.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17.1

Vertical Diffuse Angle(50%): V17.1

Luminaire Efficacy Rating (LER): 46

Max. Intensity: 1519.08 cd

Total Rated Lamp Lumens: 176.5 lm

Efficiency: 100%

Upward Ratio: 0%

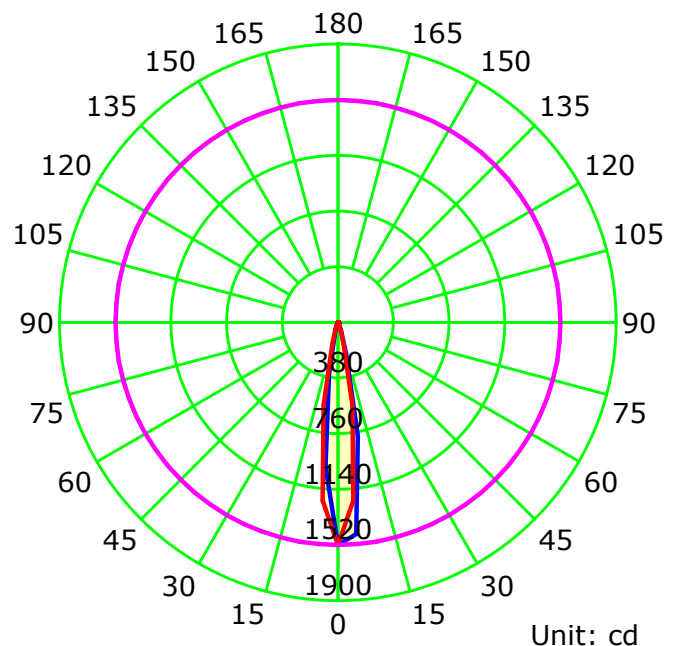
Central Intensity: 1519.08 cd

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

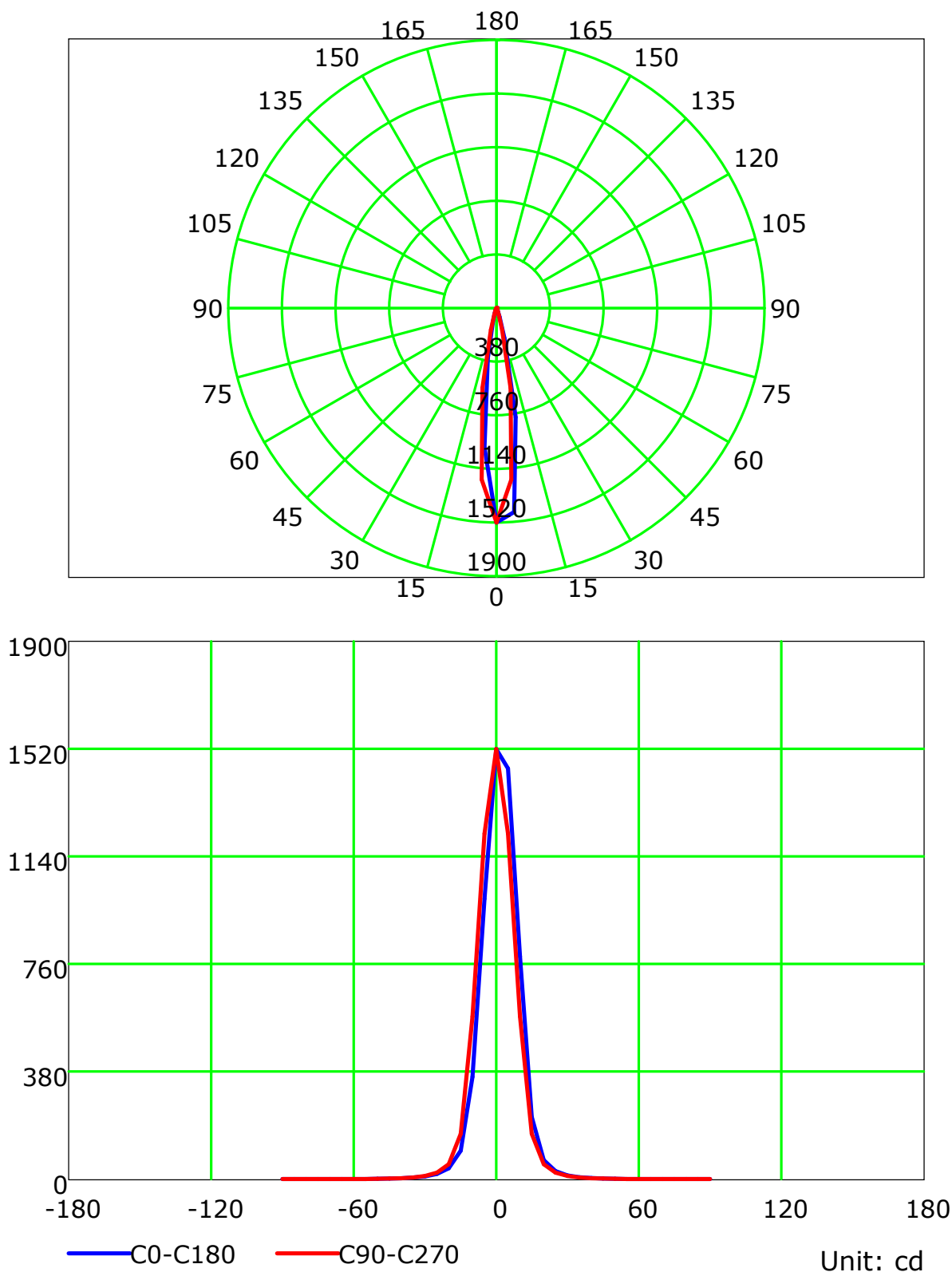
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

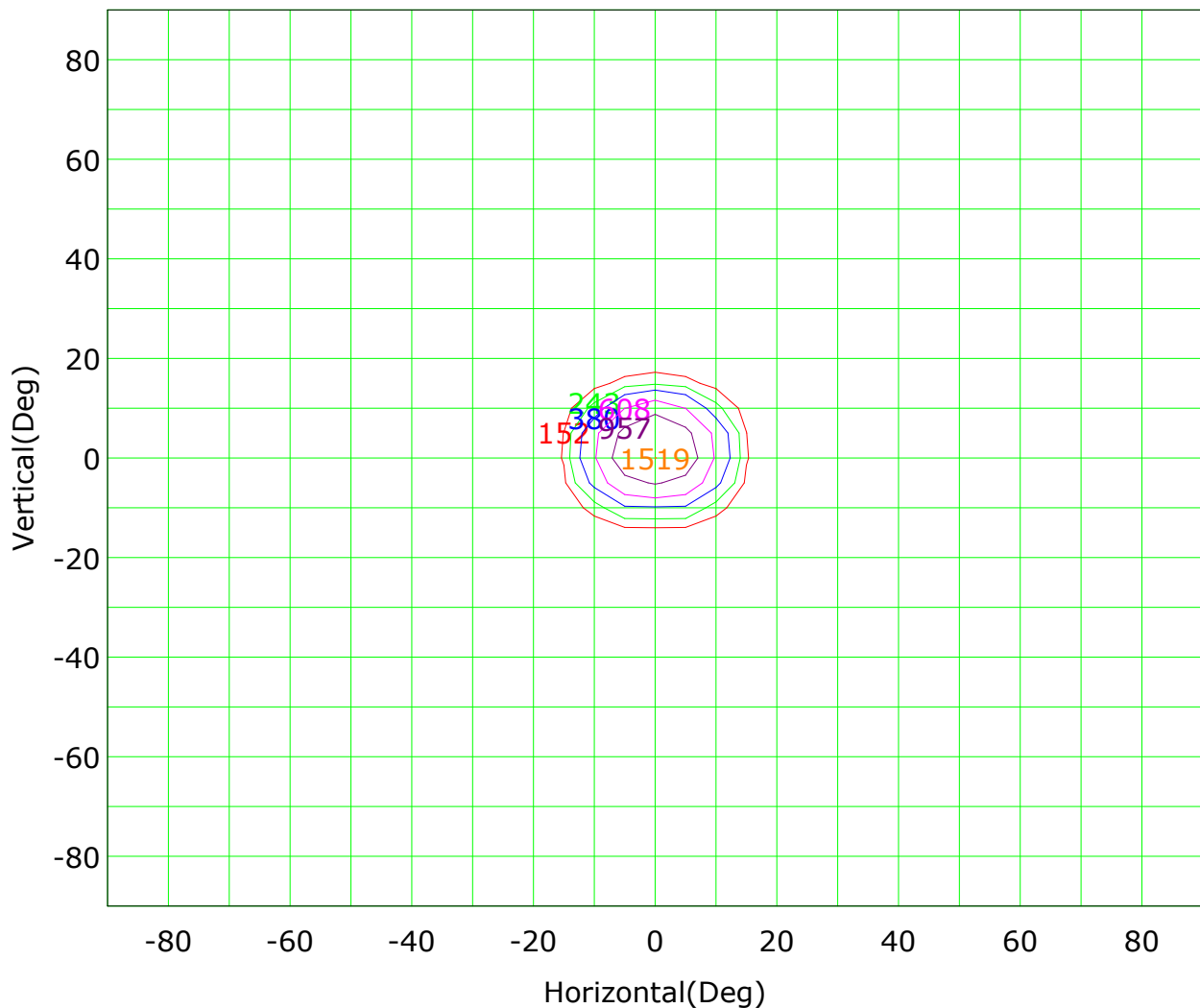
## Luminous Intensity Distribution Curve



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%): 1519 cd

( 10%): 152 cd	( 16%): 243 cd
( 25%): 380 cd	( 40%): 608 cd
( 63%): 957 cd	(100%): 1519 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

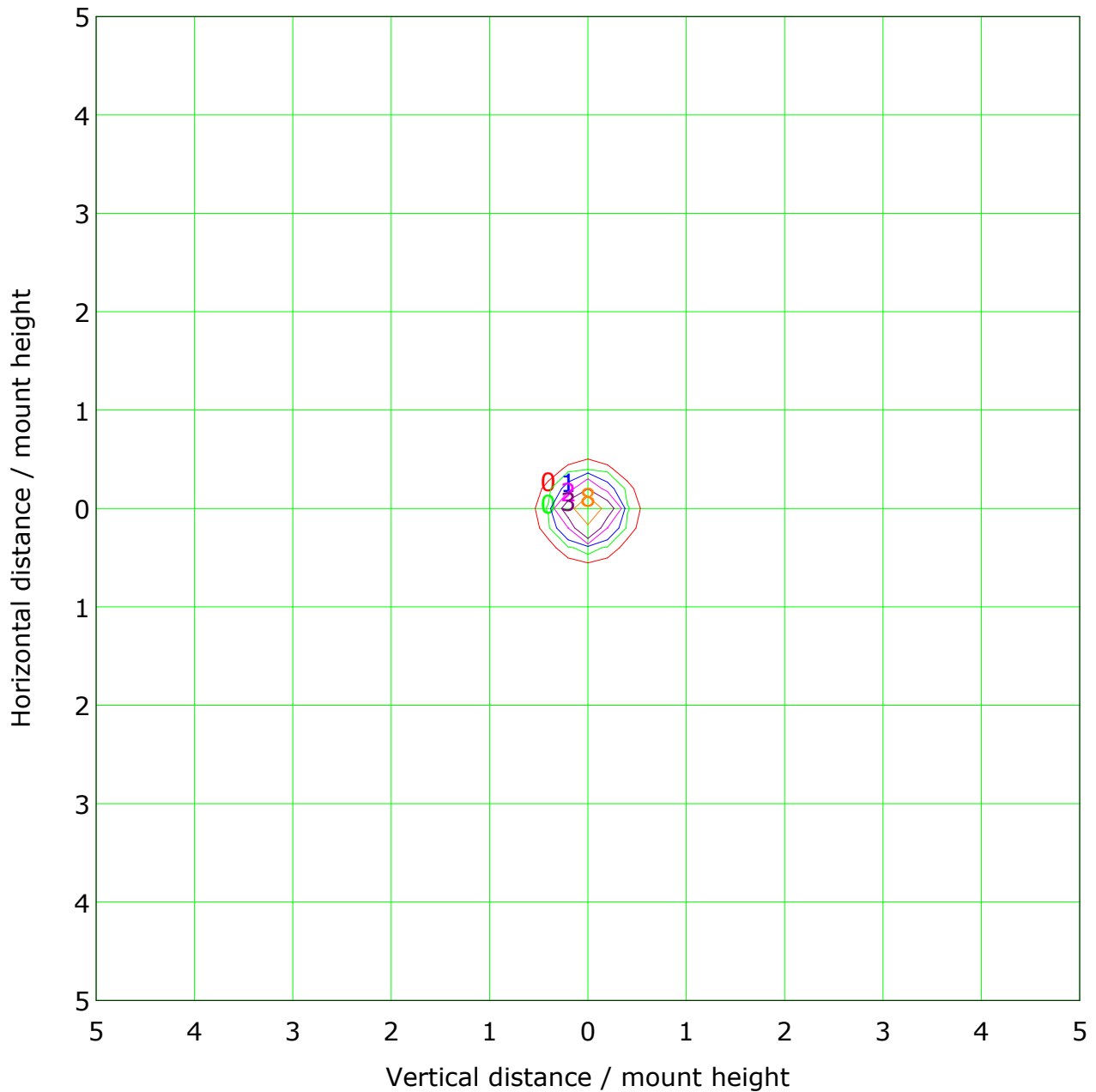
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 15 lx			
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	1 lx	— ( 10%):	2 lx
— ( 20%):	3 lx	— ( 50%):	8 lx
— (100%):	15 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

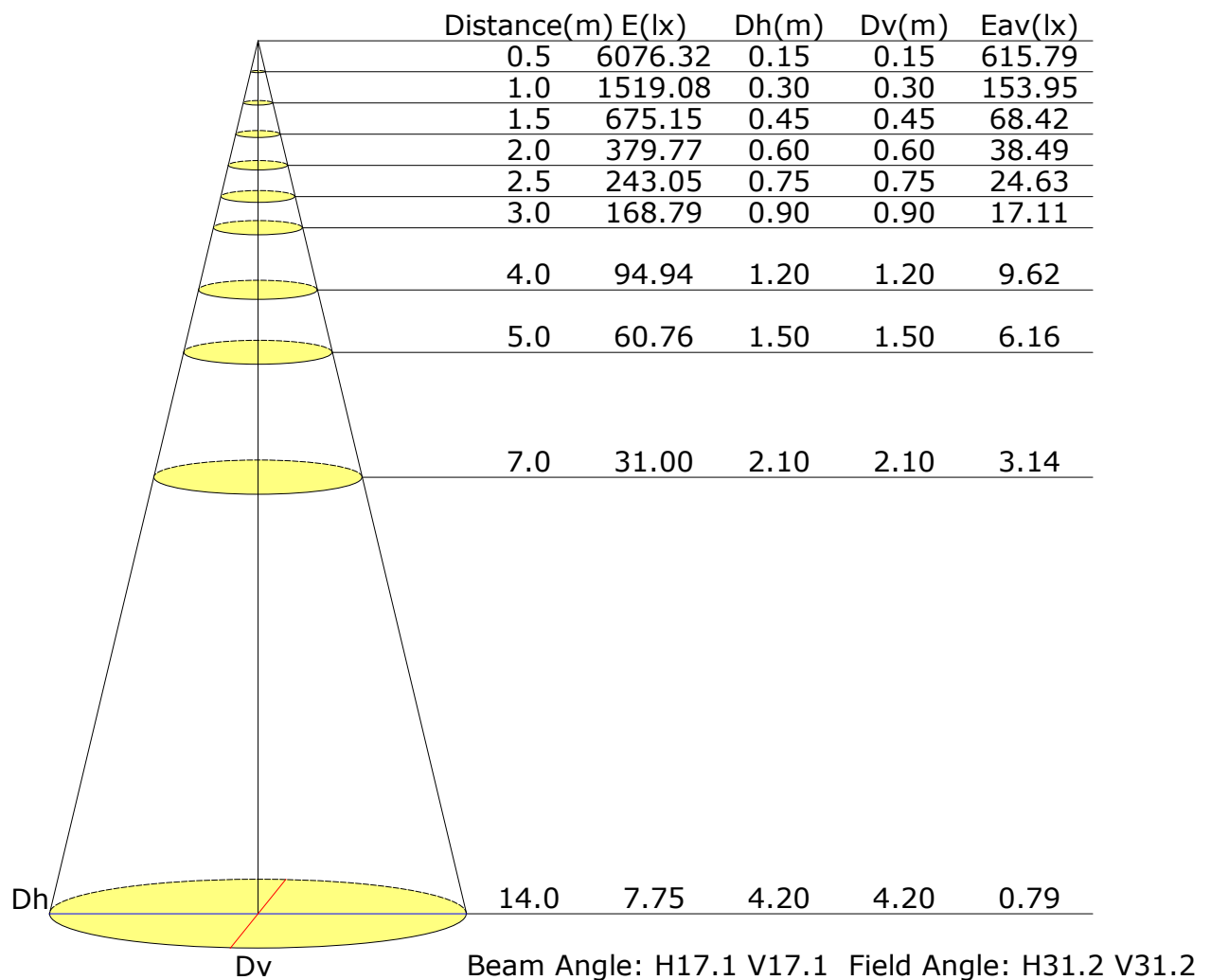
Test Device: CHL-6E

Distance: 3.000 m

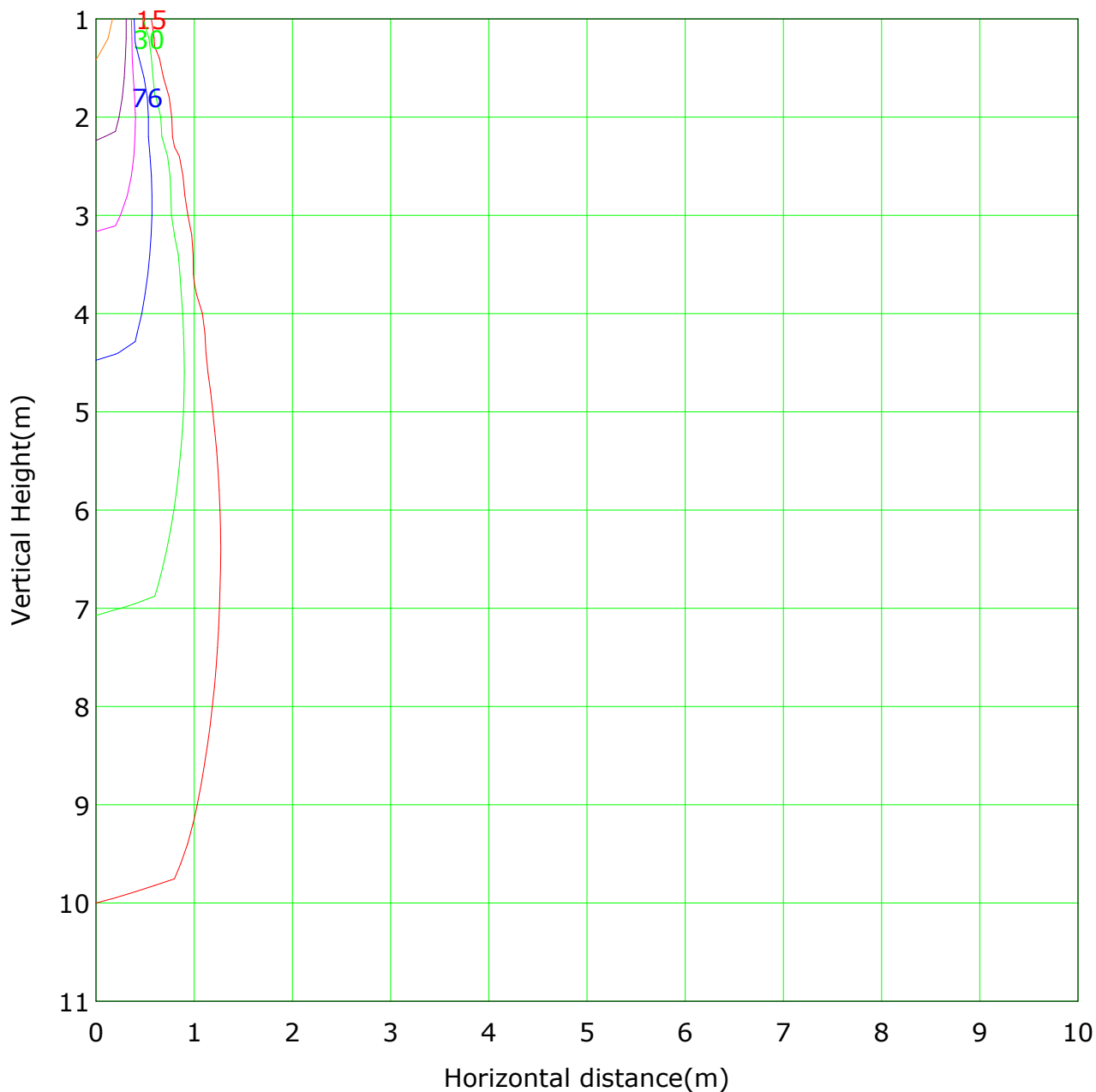
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

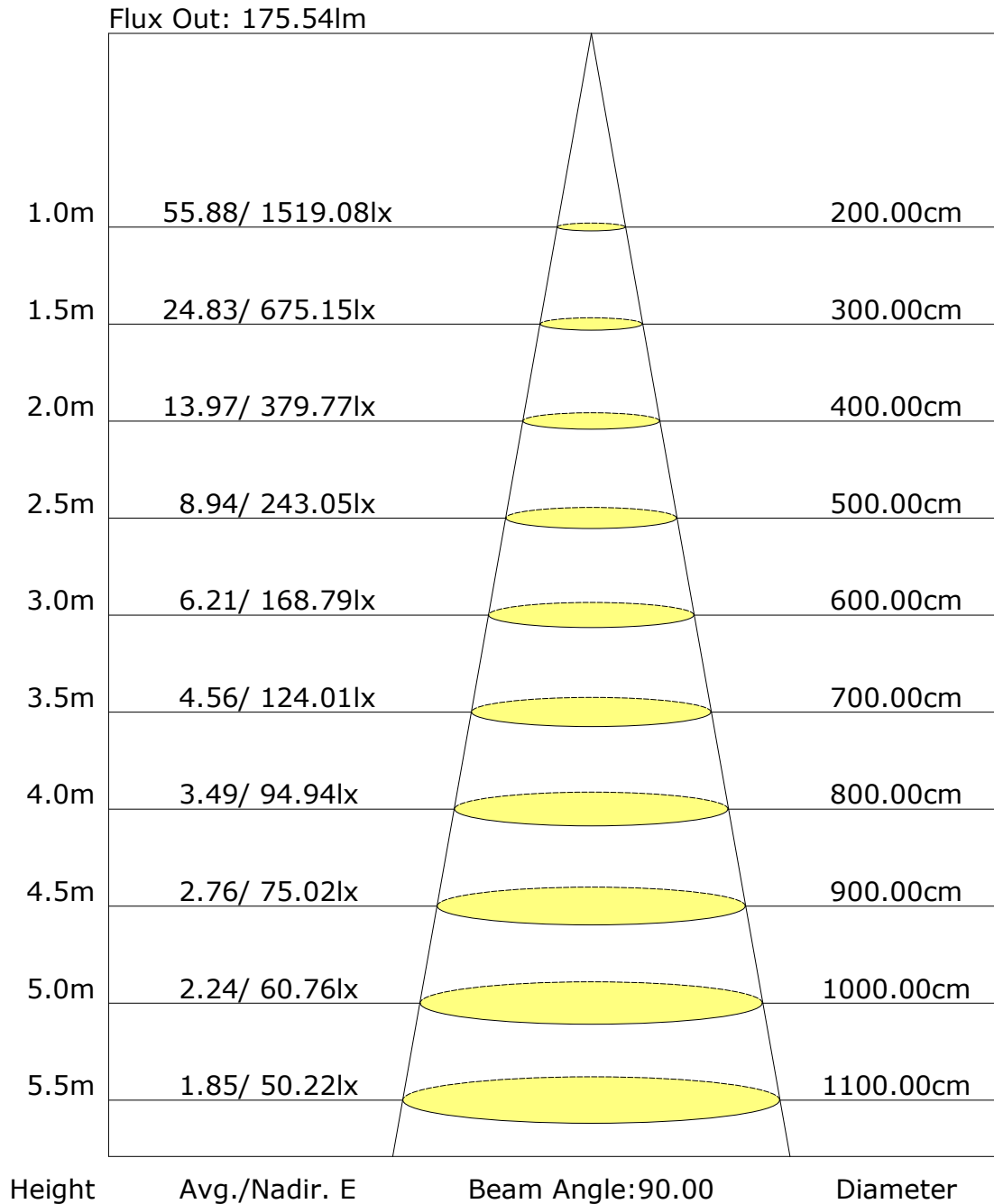


Lowest(m): 1m    Highest(m): 11    Max Lux: 1519	
( 1%): 15 lx	( 2%): 30 lx
( 5%): 76 lx	( 10%): 152 lx
( 20%): 304 lx	( 50%): 760 lx
(100%): 1519 lx	

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: