

Report No.: 52.05520 ECO Downlight

Test Time: 2023-09-13 11:05

## Luminaire Property

Luminaire Category: Bridgelux F90 V10A 3000K CRI90

Voltage: 216.4 V

Current: 0.112 A

Power: 13.70 W

Power Factor: 0.565

## Photometric Results

CIE Class: Direct

Measurement Flux: 1536 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H58.1

Vertical Diffuse Angle(50%): V58.1

Luminaire Efficacy Rating (LER): 112

Max. Intensity: 1773.2 cd

Total Rated Lamp Lumens: 1536.0 lm

Efficiency: 100%

Upward Ratio: 0%

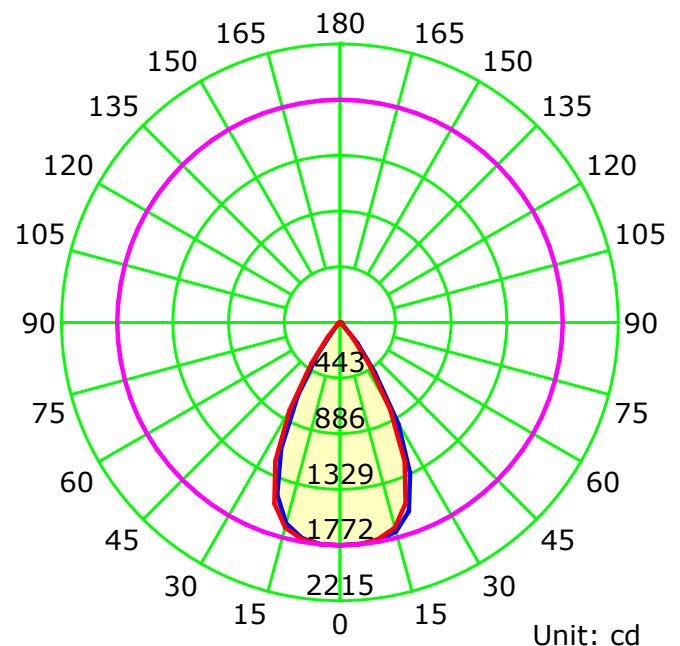
Central Intensity: 1773.2 cd

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

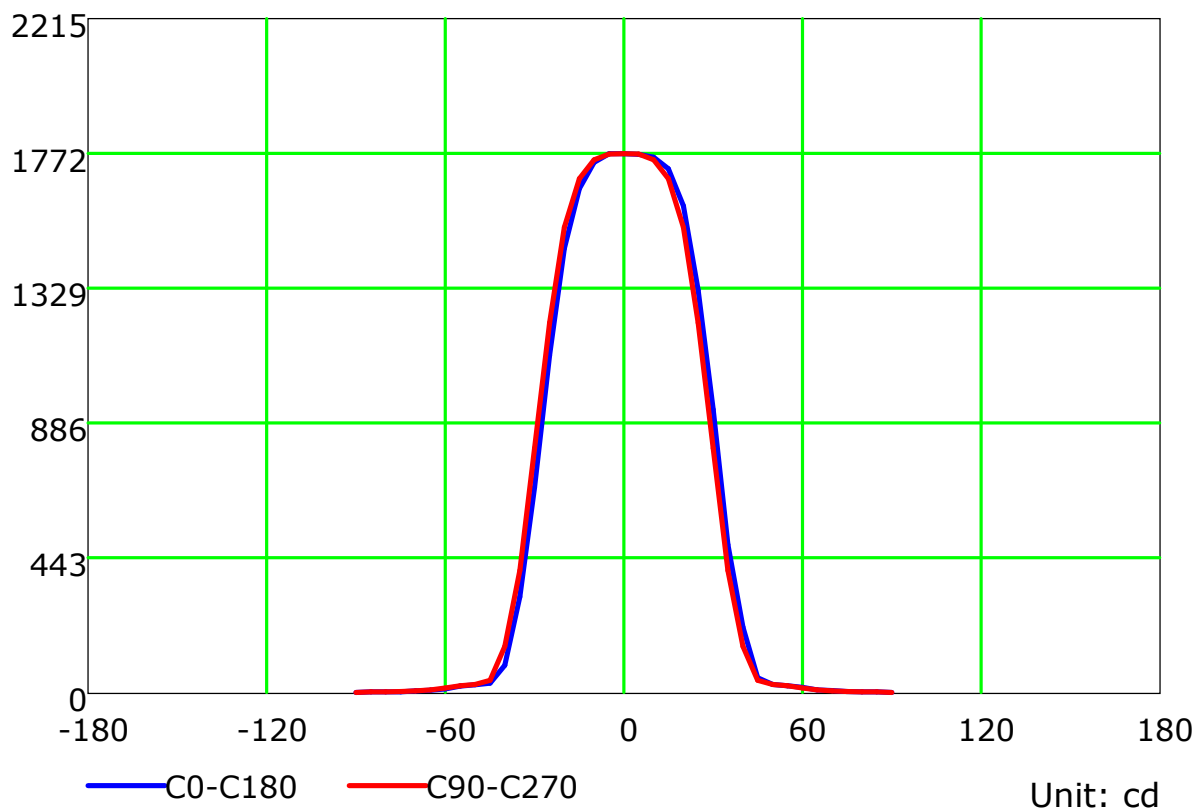
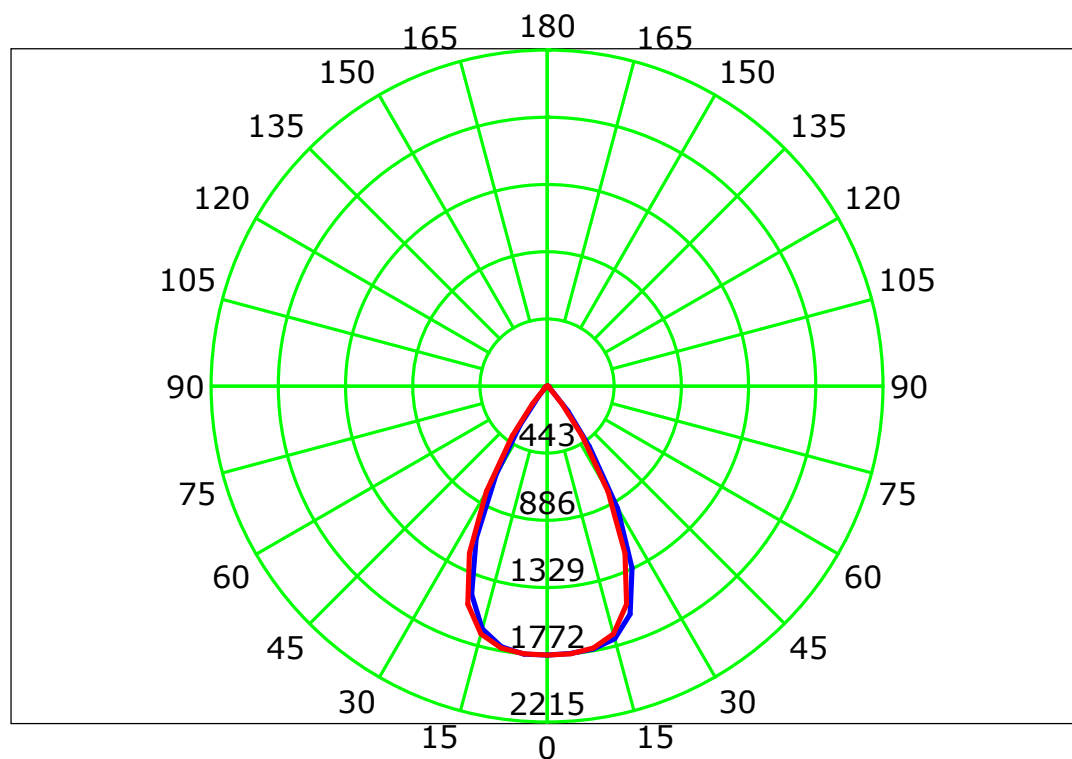
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

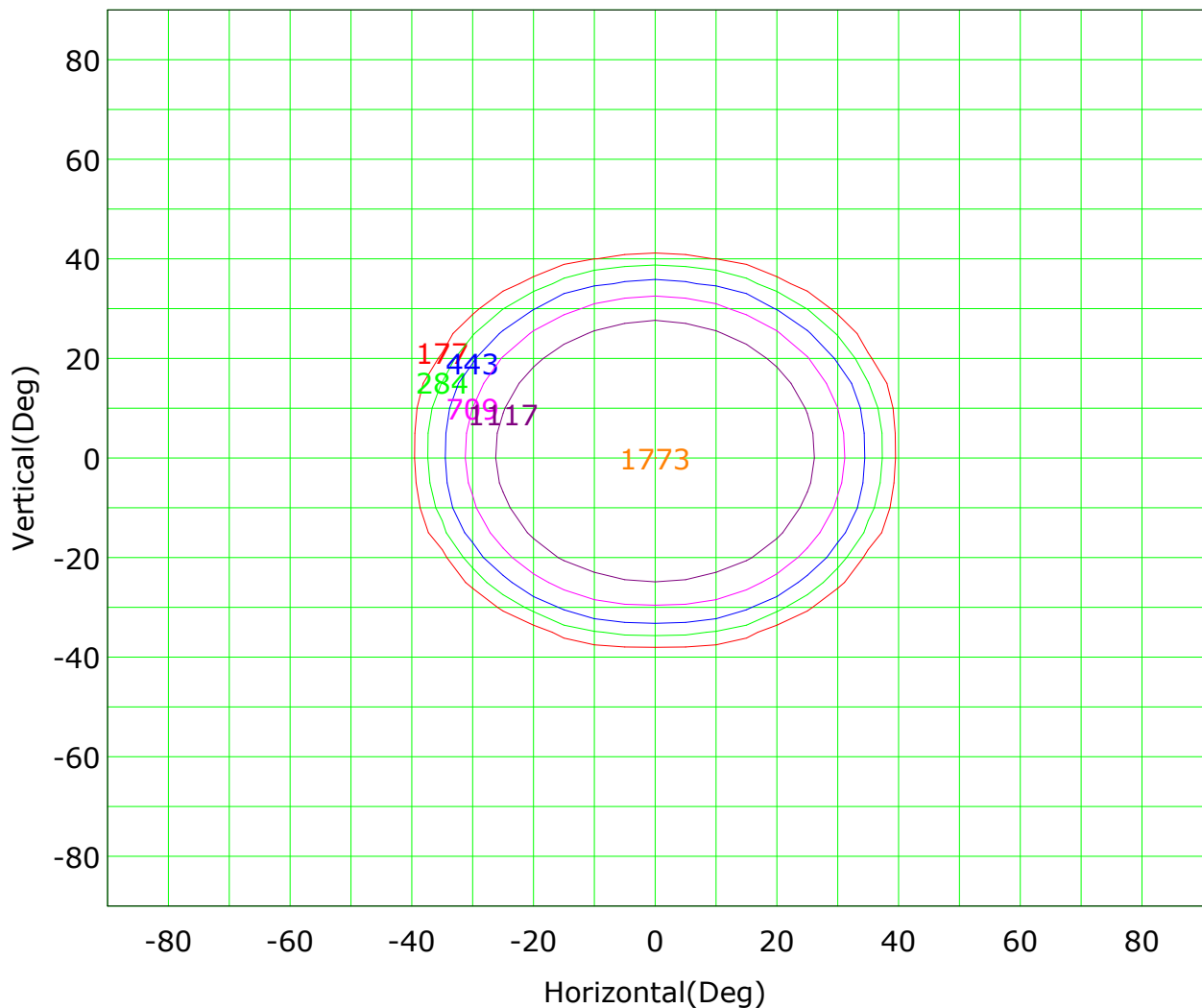
## Luminous Intensity Distribution Curve



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%): 1773 cd

( 10%): 177 cd	( 16%): 284 cd
( 25%): 443 cd	( 40%): 709 cd
( 63%): 1117 cd	(100%): 1773 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

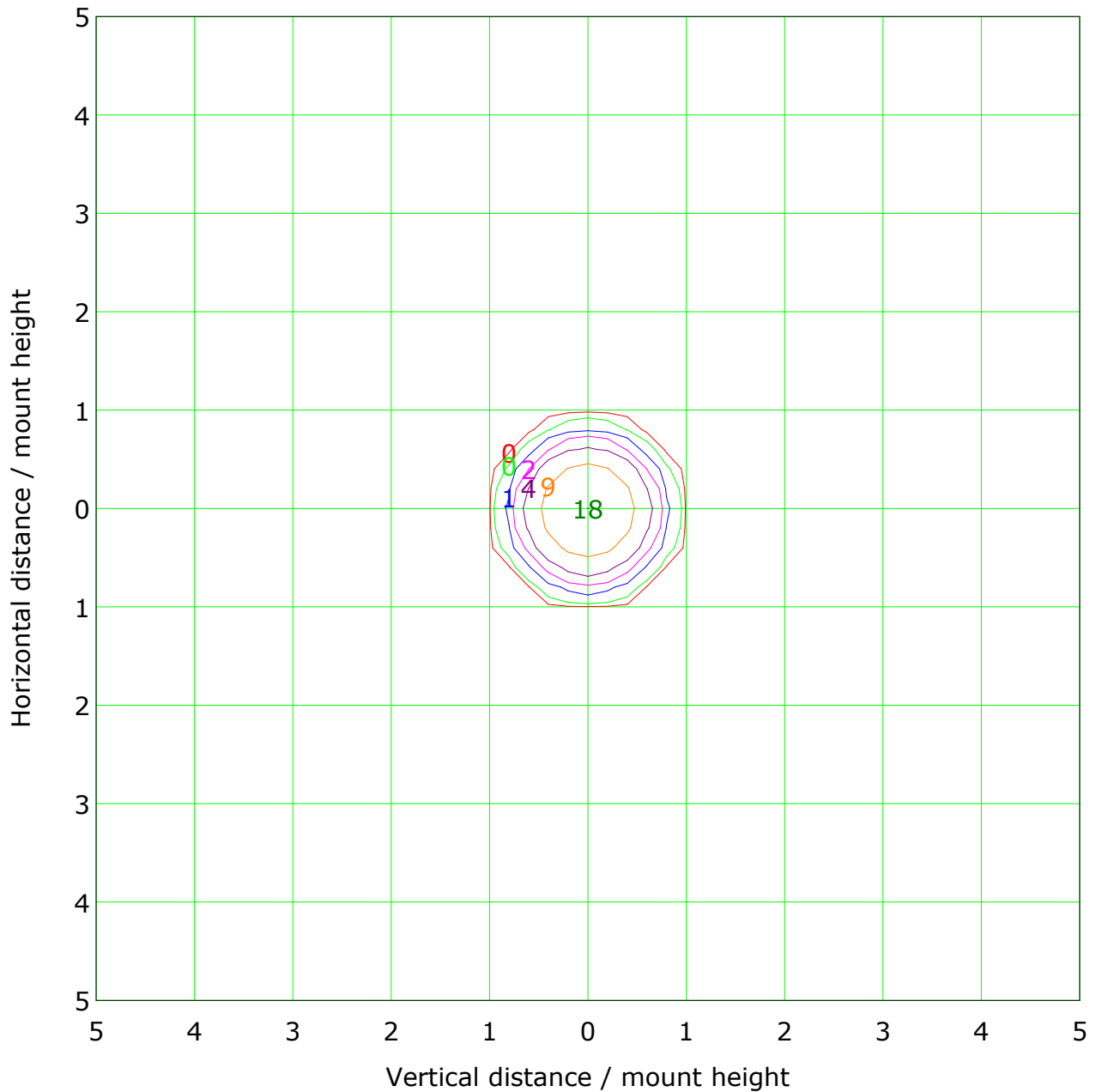
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 18 lx	
( 1%):	0 lx	( 2%):	0 lx
( 5%):	1 lx	( 10%):	2 lx
( 20%):	4 lx	( 50%):	9 lx
(100%):	18 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

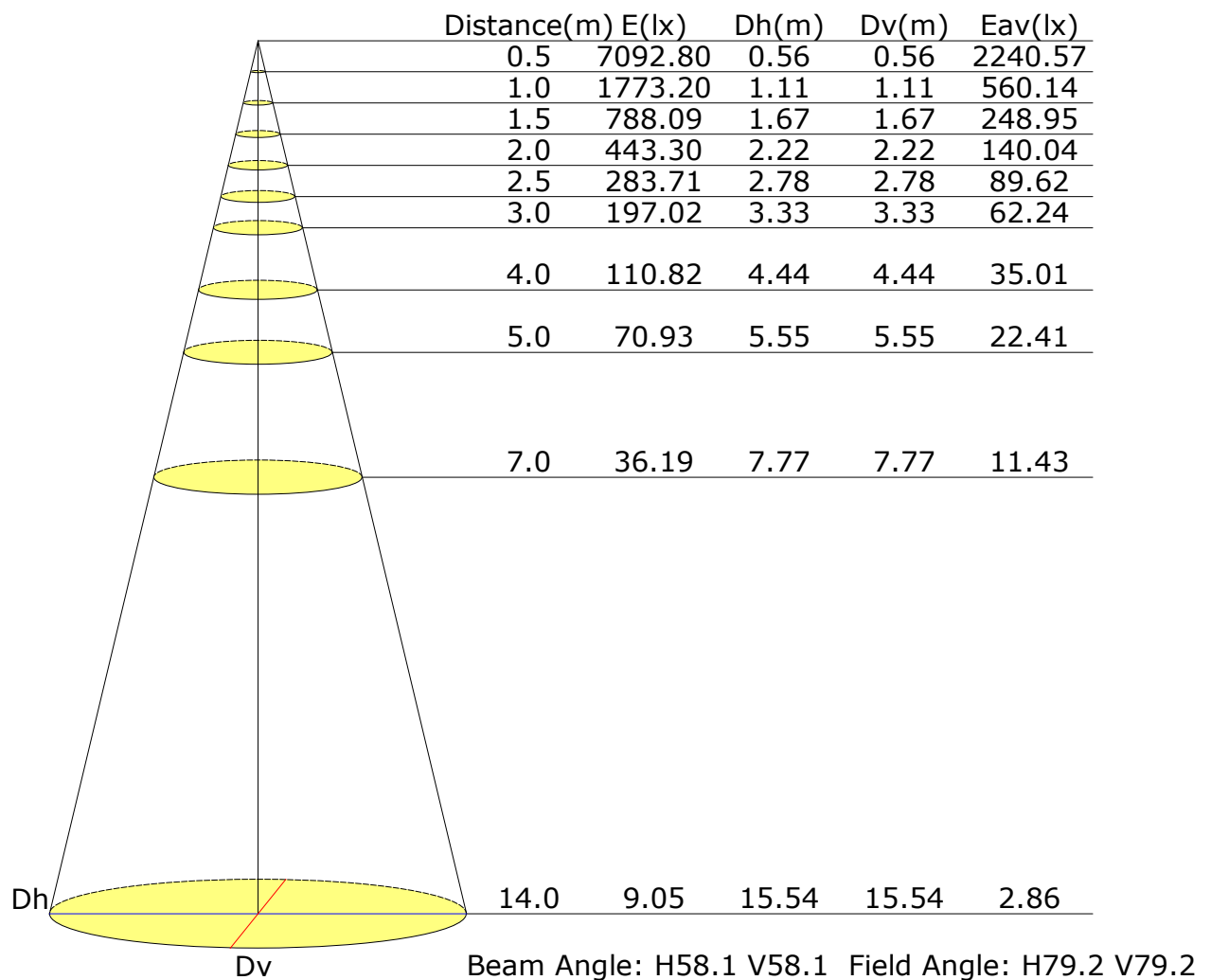
Test Device: CHL-6E

Distance: 3.000 m

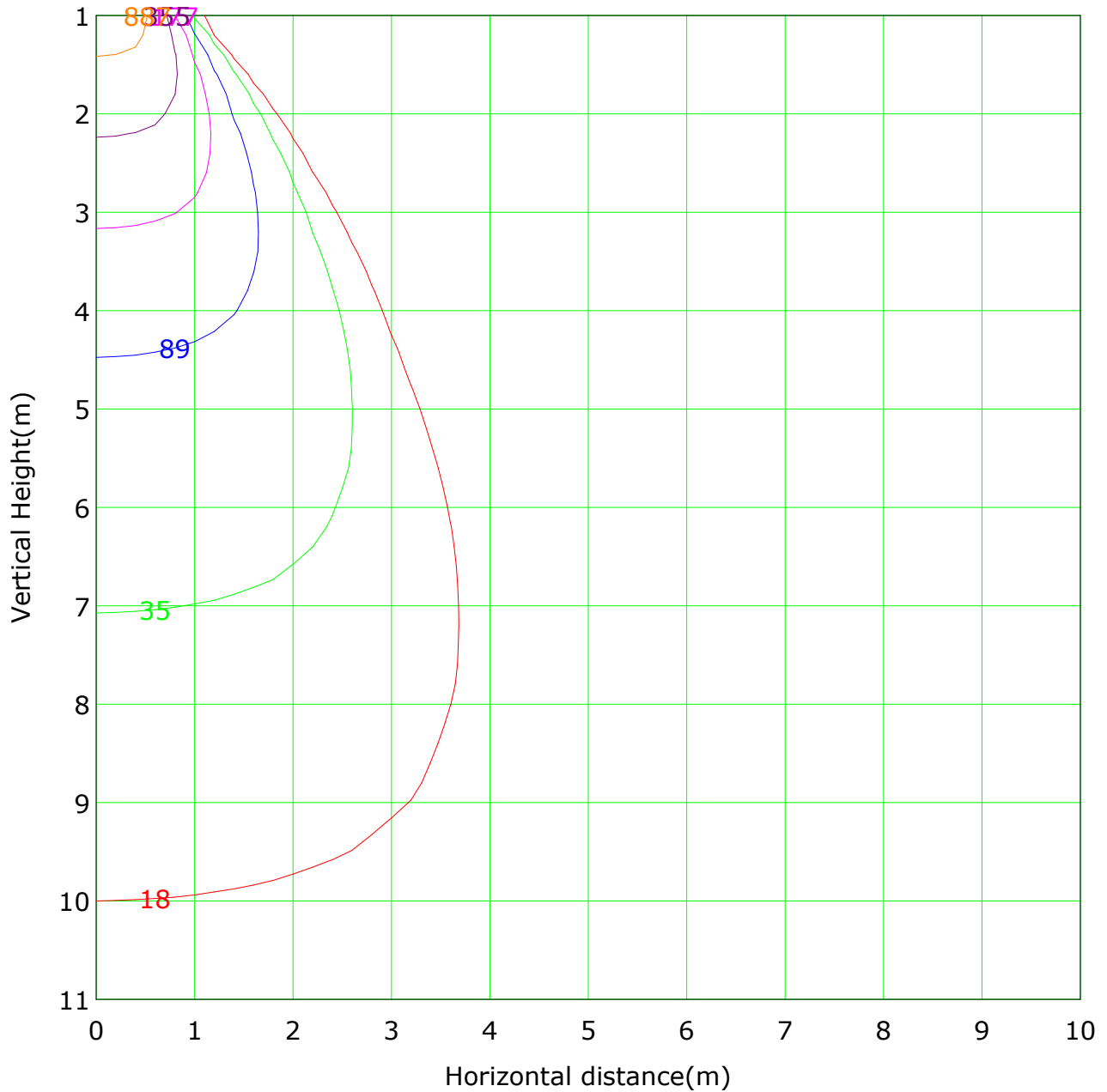
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

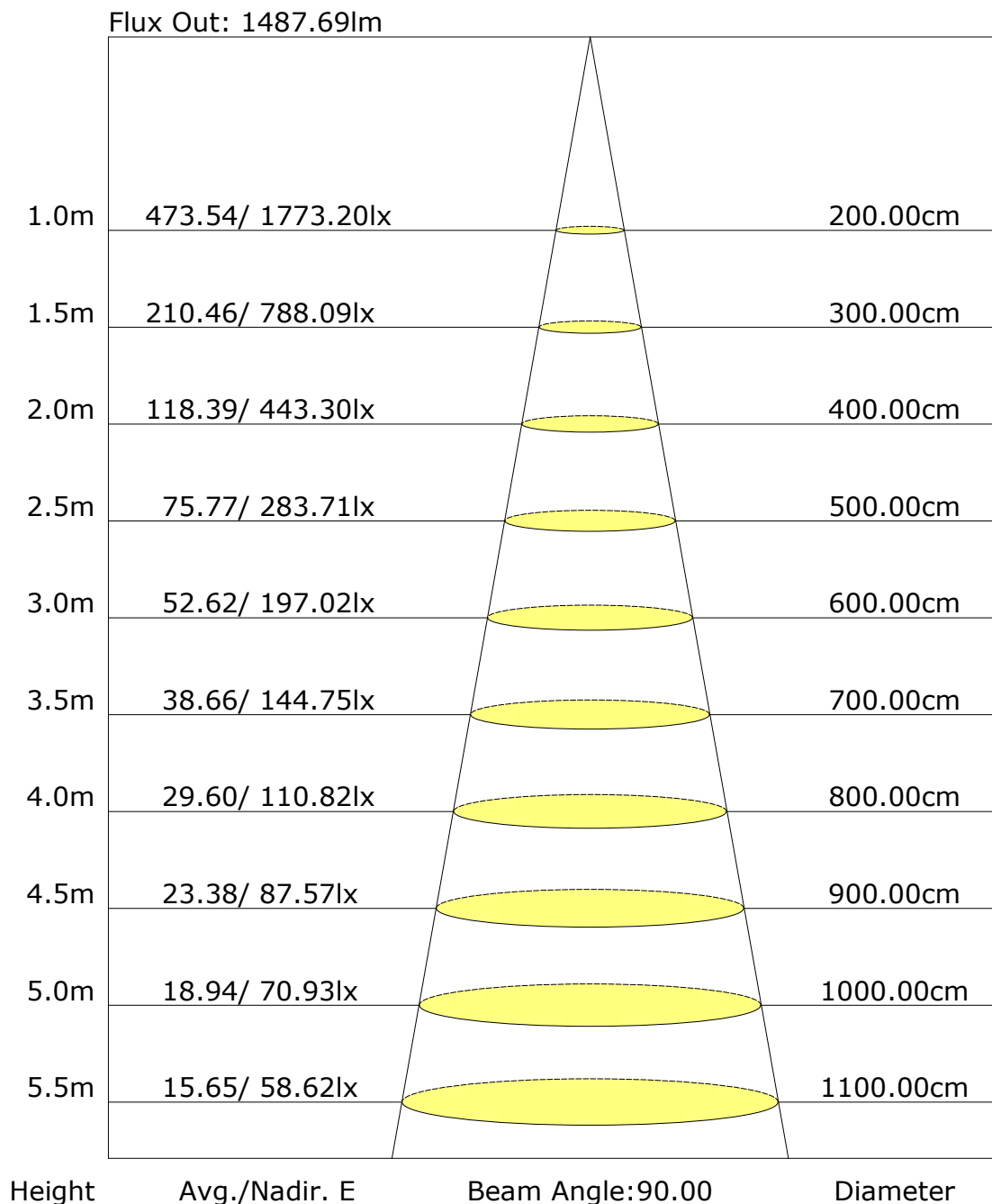


Lowest(m): 1m    Highest(m): 11    Max Lux: 1773	
( 1%): 18 lx	( 2%): 35 lx
( 5%): 89 lx	( 10%): 177 lx
( 20%): 355 lx	( 50%): 887 lx
(100%): 1773 lx	

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: