

Report No.: 52.10019 ECO Down Light

Test Time: 2023-07-01 09:39

## Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Luminaire Description: 36D

Current: 0.153 A

Power Factor: 0.973

Voltage: 209.6 V

Power: 31.20 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 3063.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H34.8

Vertical Diffuse Angle(50%): V34.8

Luminaire Efficacy Rating (LER): 98

Max. Intensity: 8449.6 cd

Total Rated Lamp Lumens: 3063.6 lm

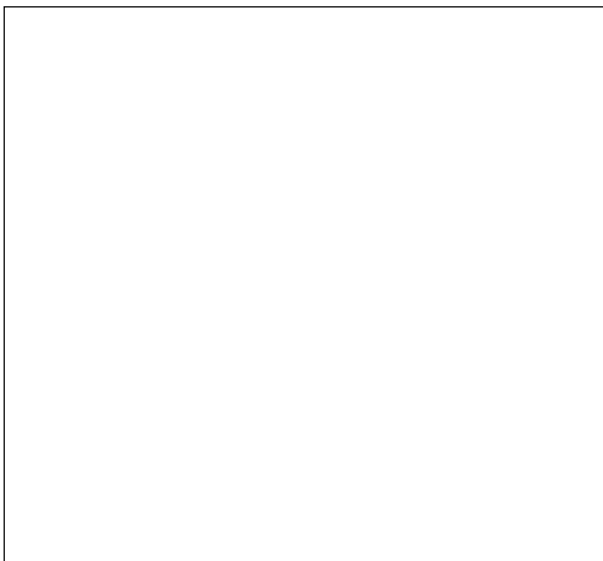
Efficiency: 100%

Upward Ratio: 0%

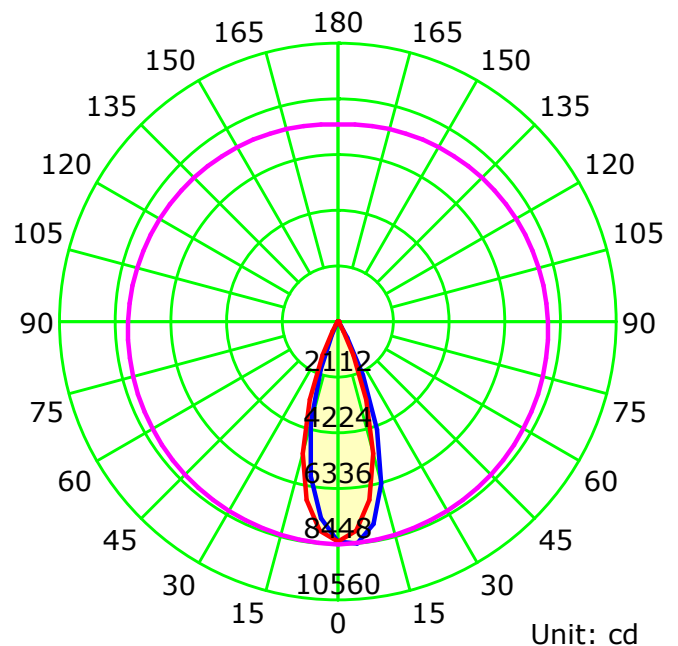
Central Intensity: 8348.3 cd

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

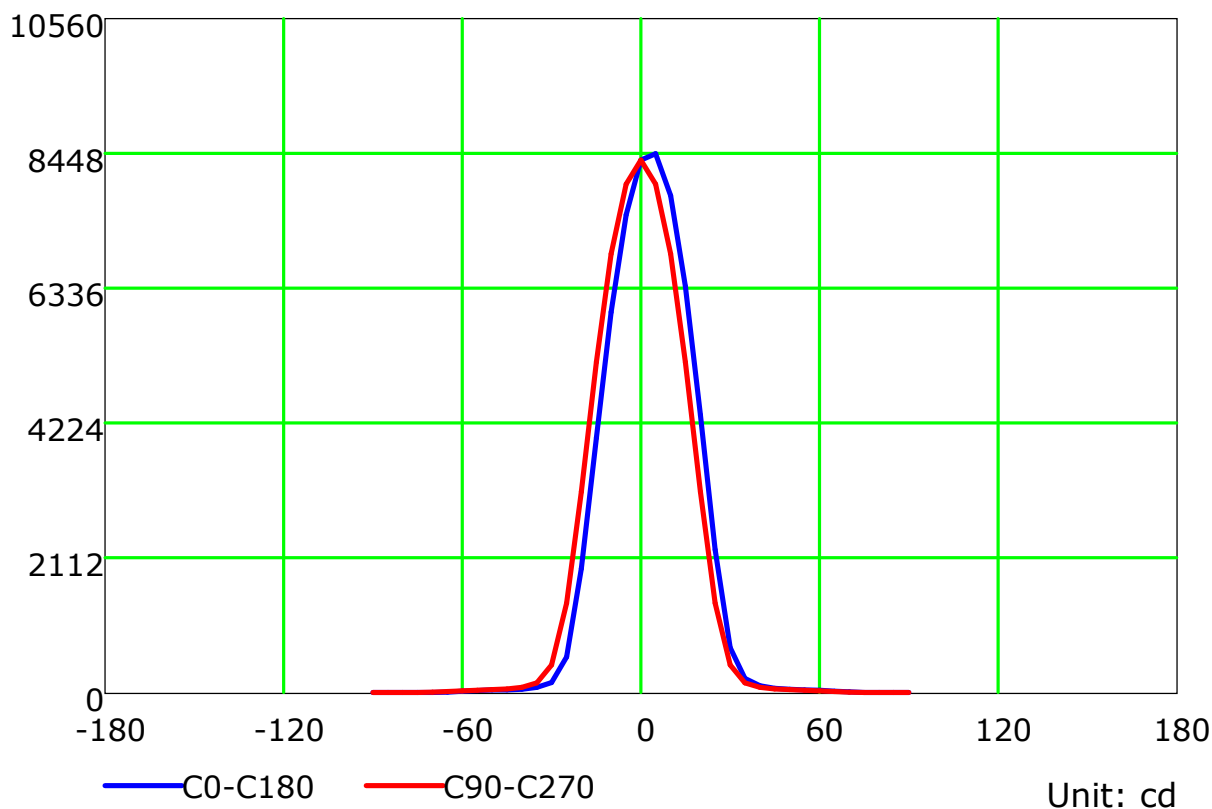
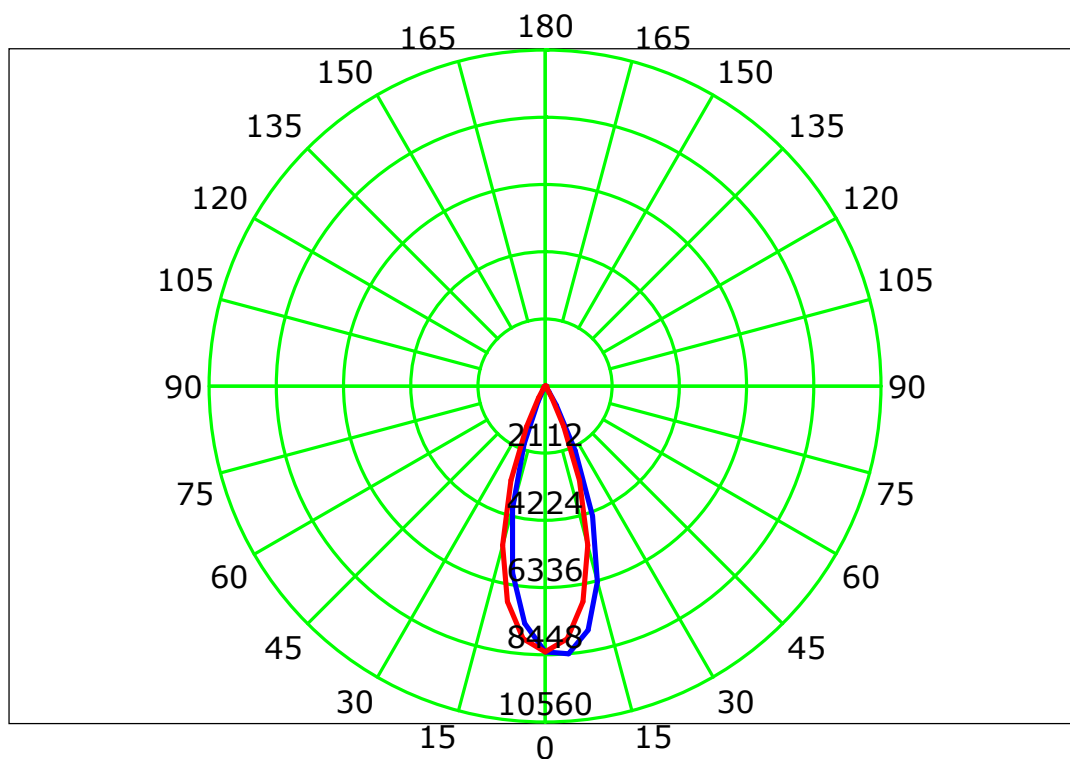
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

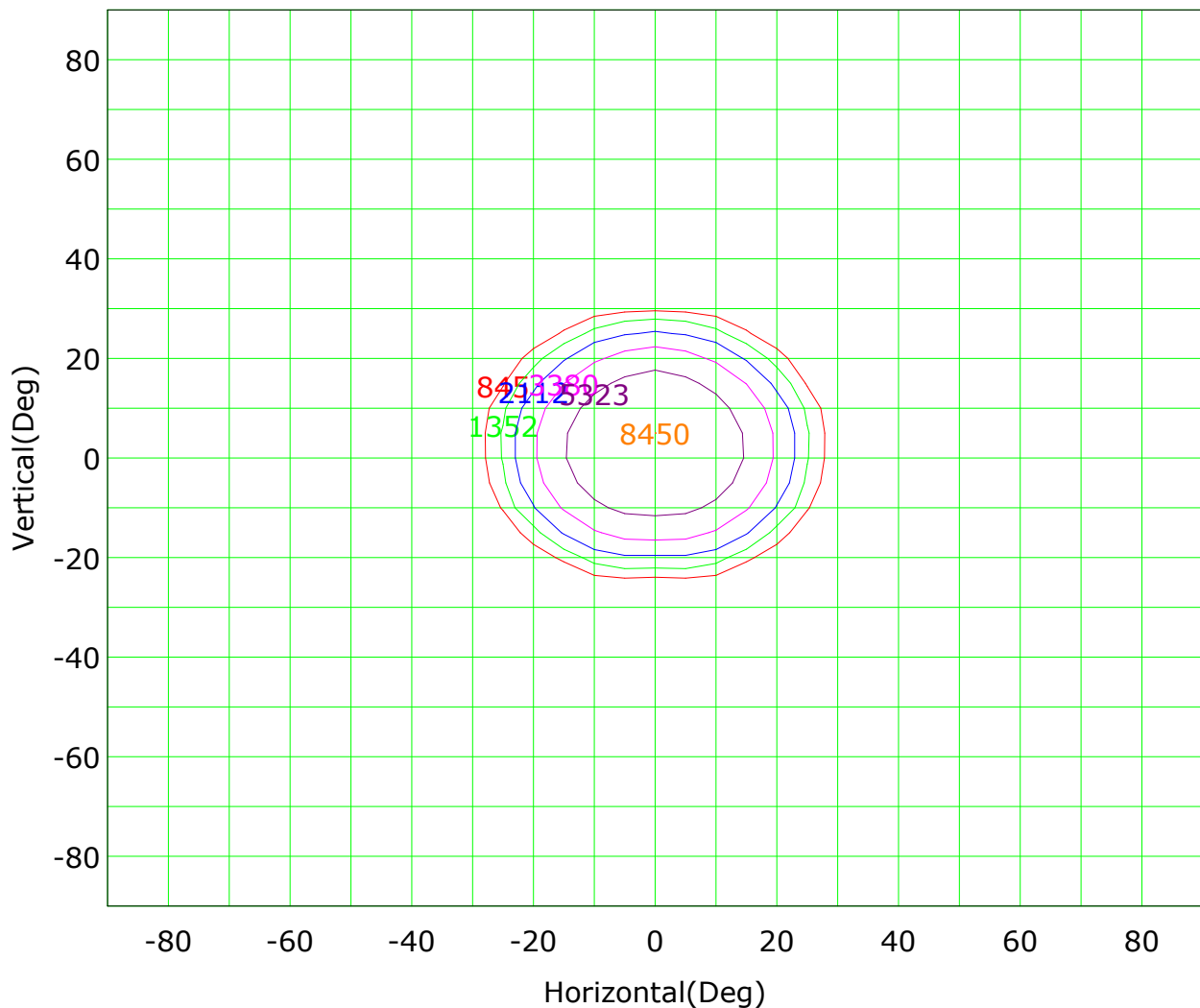
## Luminous Intensity Distribution Curve



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%): 8450 cd

( 10%): 845 cd	( 16%): 1352 cd
( 25%): 2112 cd	( 40%): 3380 cd
( 63%): 5323 cd	(100%): 8450 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

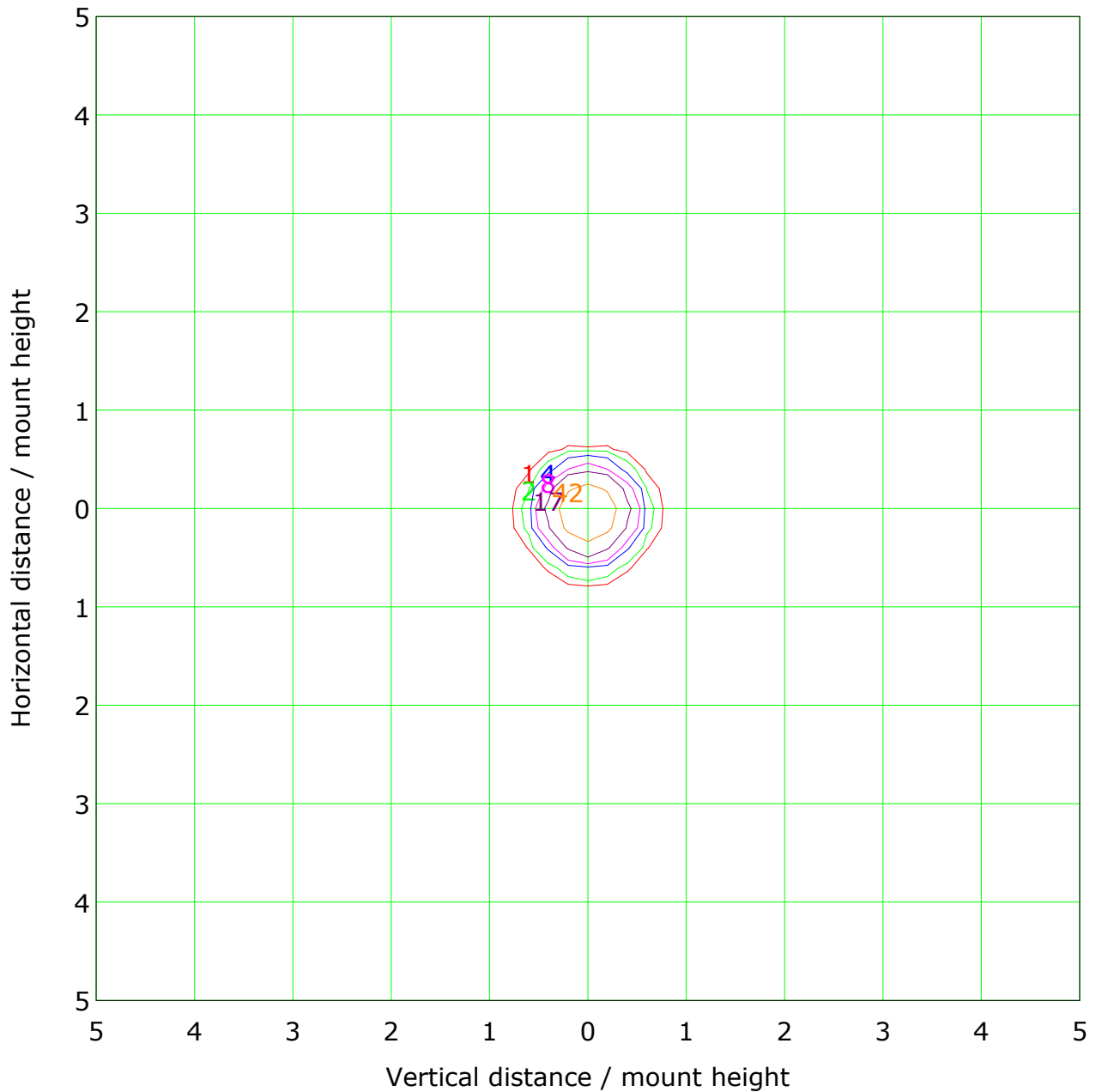
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 84 lx	
( 1%):	1 lx	( 2%):	2 lx
( 5%):	4 lx	( 10%):	8 lx
( 20%):	17 lx	( 50%):	42 lx
(100%):	84 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

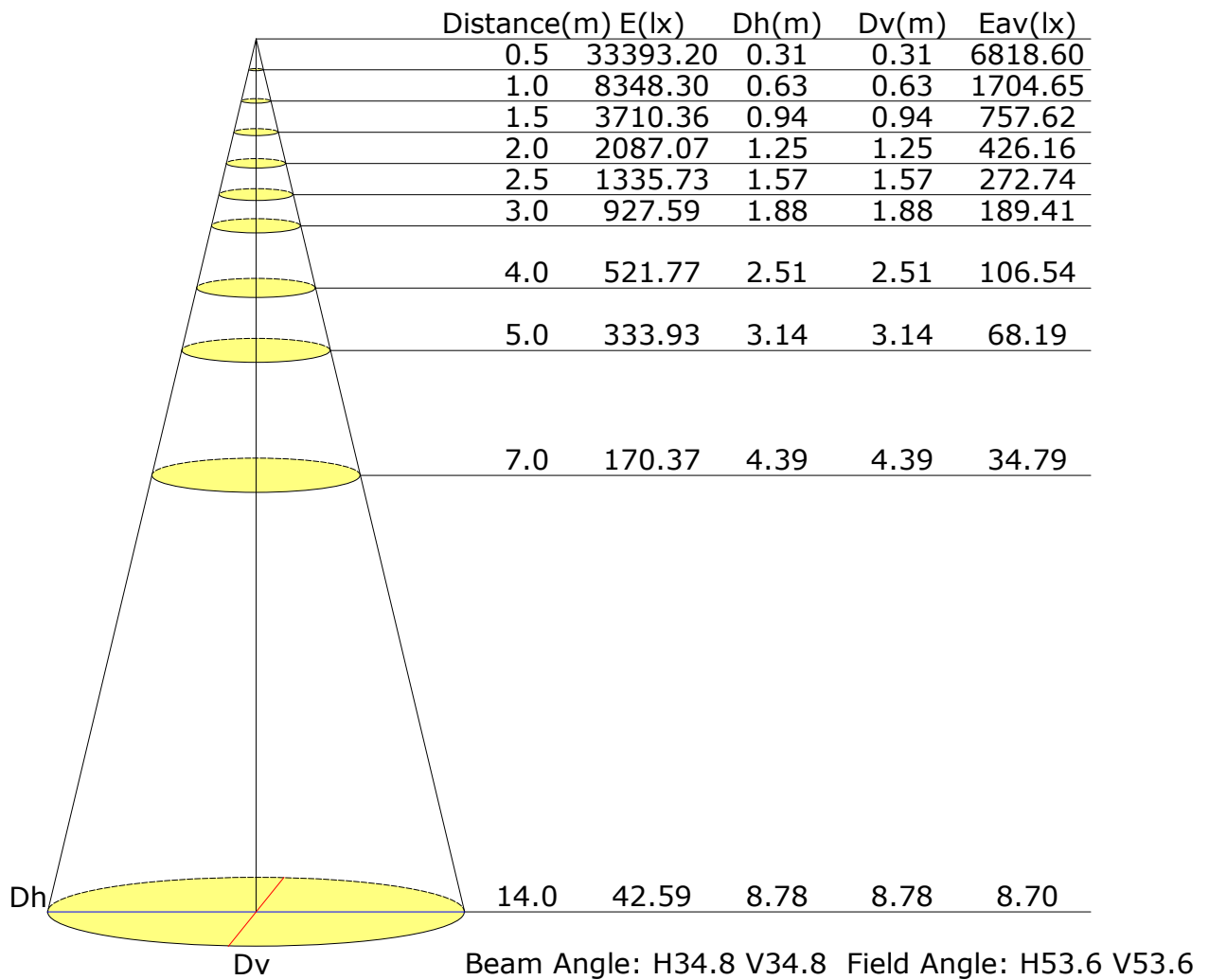
Test Device: CHL-6E

Distance: 3.000 m

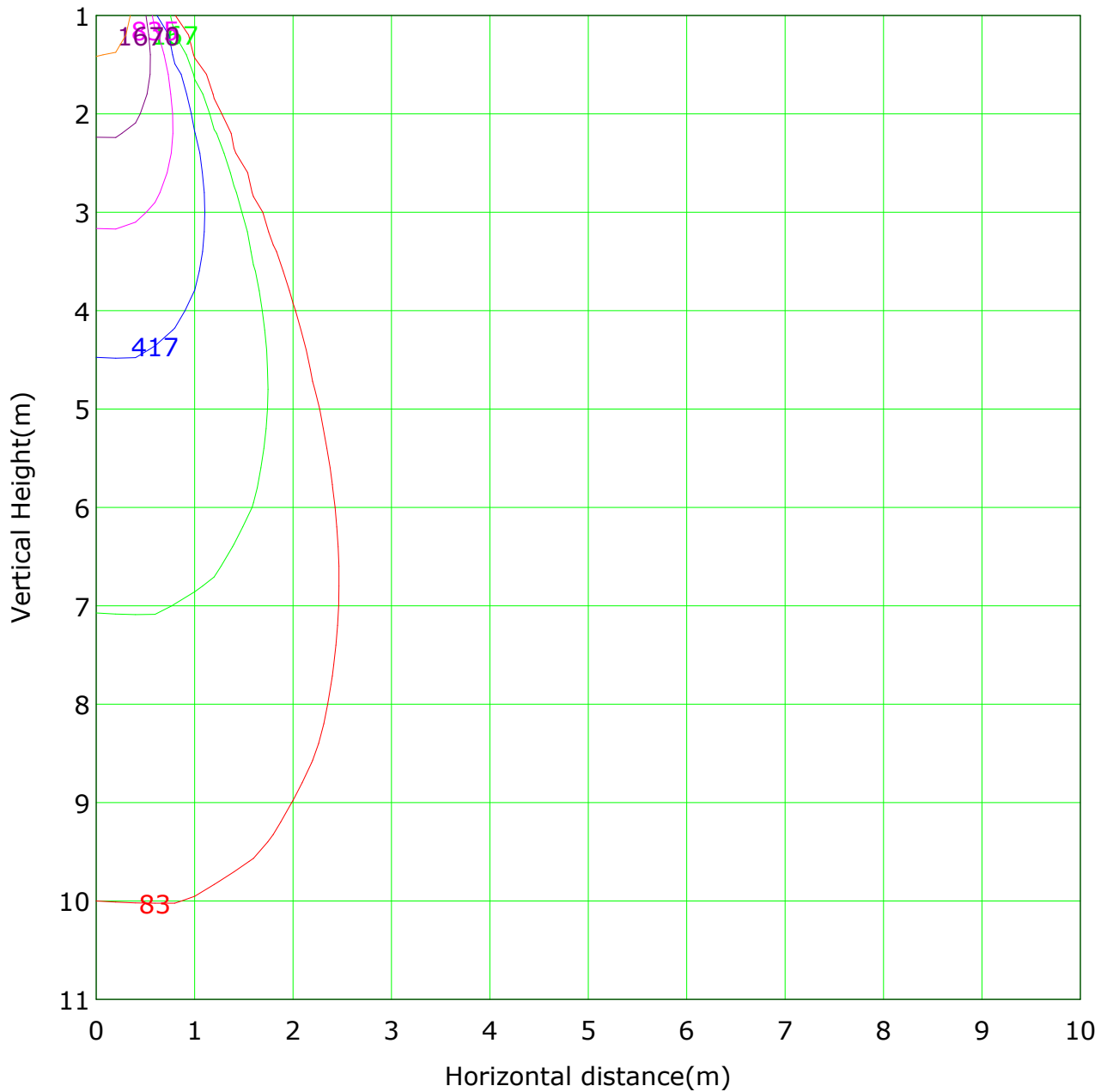
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



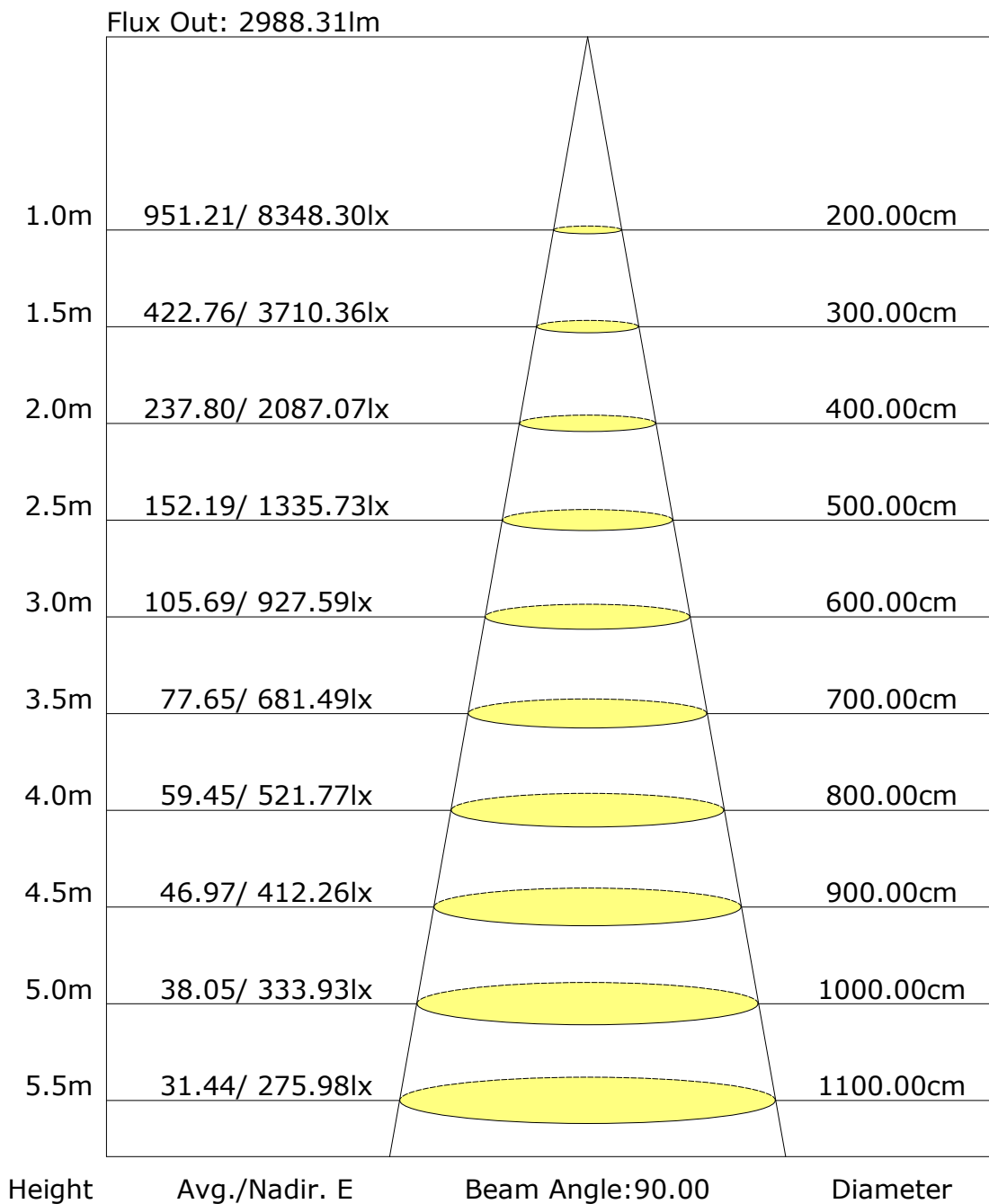
Lowest(m): 1m    Highest(m): 11    Max Lux: 8348

( 1%): 83 lx	( 2%): 167 lx
( 5%): 417 lx	( 10%): 835 lx
( 20%): 1670 lx	( 50%): 4174 lx
(100%): 8348 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: