

Report No.: 56.05511 Recessed Downlight Test Time: 2023-07-03 14:50

## Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90

Luminaire Description: 15D

Current: 0.060 A

Power Factor: 0.585

Voltage: 212.2 V

Power: 7.50 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 550.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H19.7

Vertical Diffuse Angle(50%): V19.7

Luminaire Efficacy Rating (LER): 73

Max. Intensity: 2853.24 cd

Total Rated Lamp Lumens: 550.8 lm

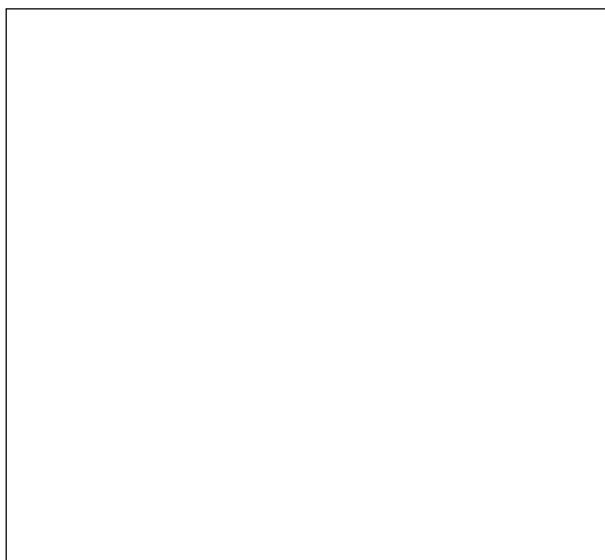
Efficiency: 100%

Upward Ratio: 0%

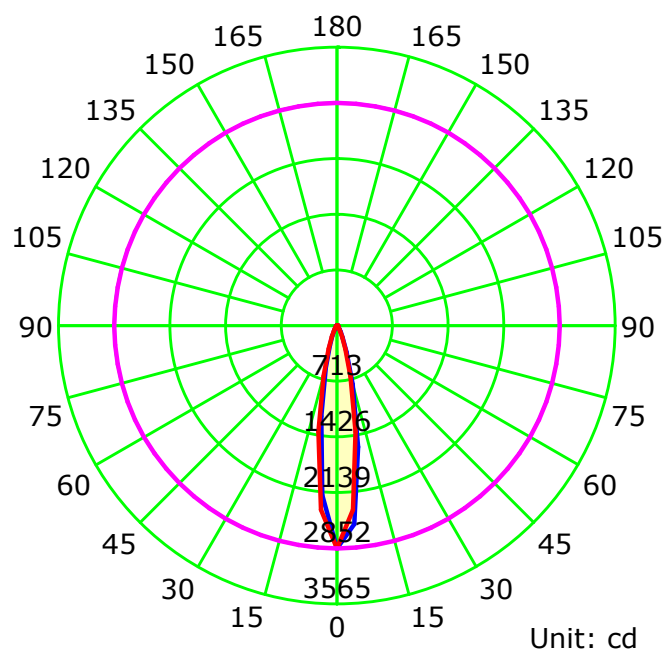
Central Intensity: 2853.24 cd

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

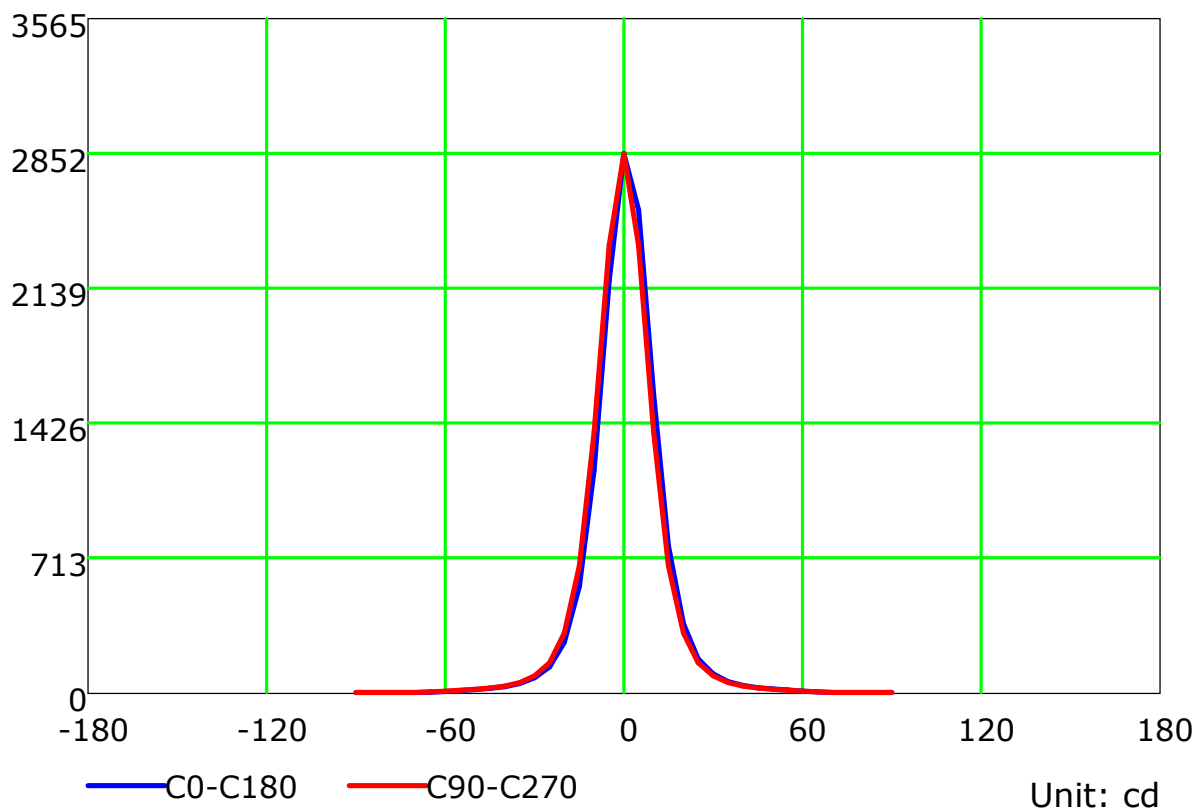
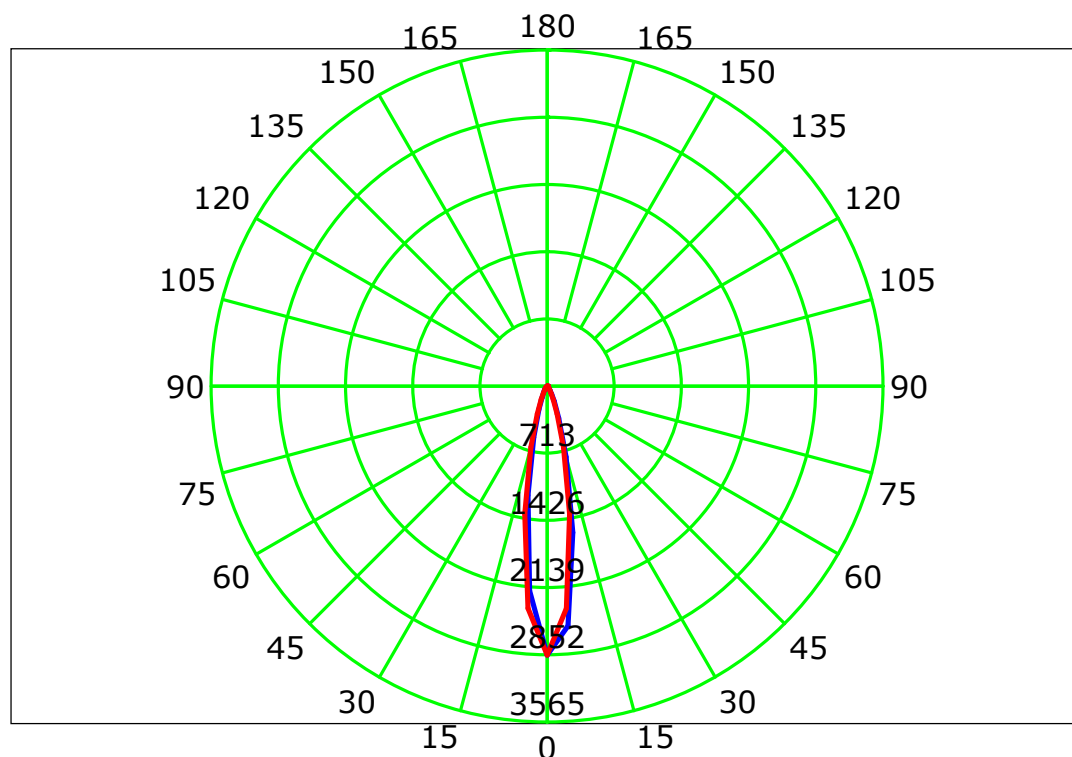
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

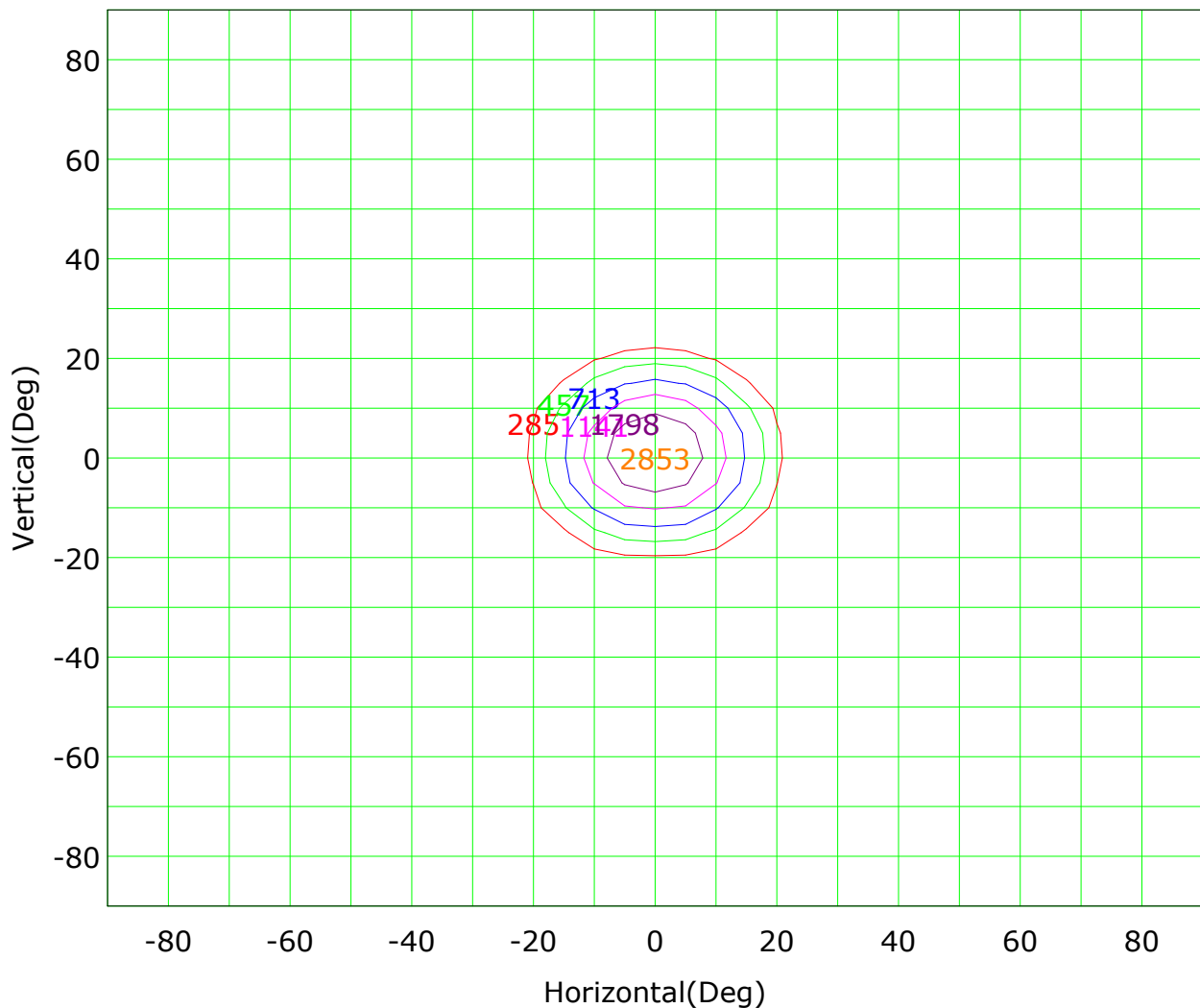
## Luminous Intensity Distribution Curve



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Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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Distance: 3.000 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 2853 cd

|                 |                 |
|-----------------|-----------------|
| ( 10%): 285 cd  | ( 16%): 457 cd  |
| ( 25%): 713 cd  | ( 40%): 1141 cd |
| ( 63%): 1798 cd | (100%): 2853 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

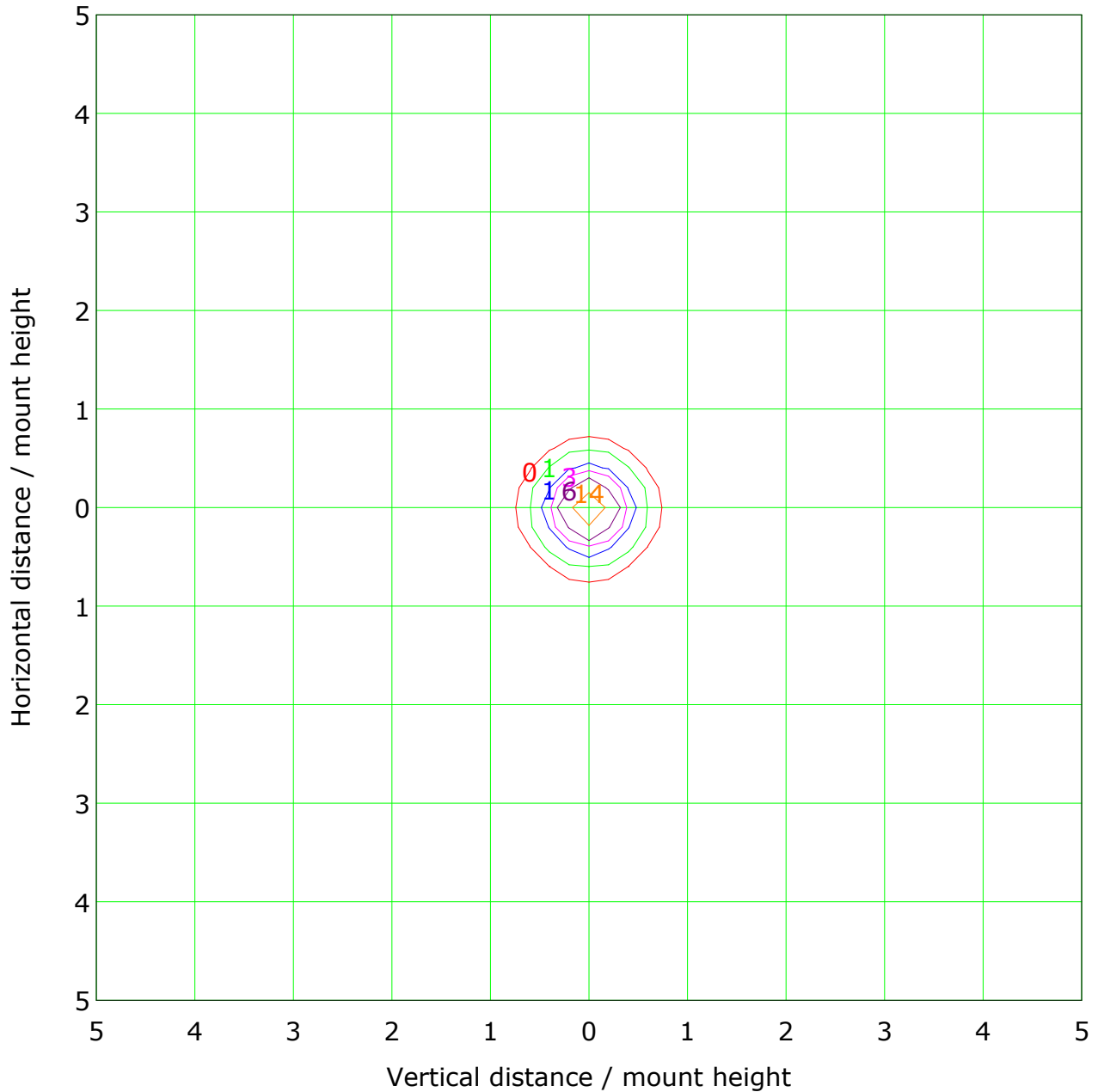
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



|  |       |         |       |
|--|-------|---------|-------|
| Mounting Height: 10m    Max Lux(100%): 29 lx |       |         |       |
| ( 1%):                                       | 0 lx  | ( 2%):  | 1 lx  |
| ( 5%):                                       | 1 lx  | ( 10%): | 3 lx  |
| ( 20%):                                      | 6 lx  | ( 50%): | 14 lx |
| (100%):                                      | 29 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

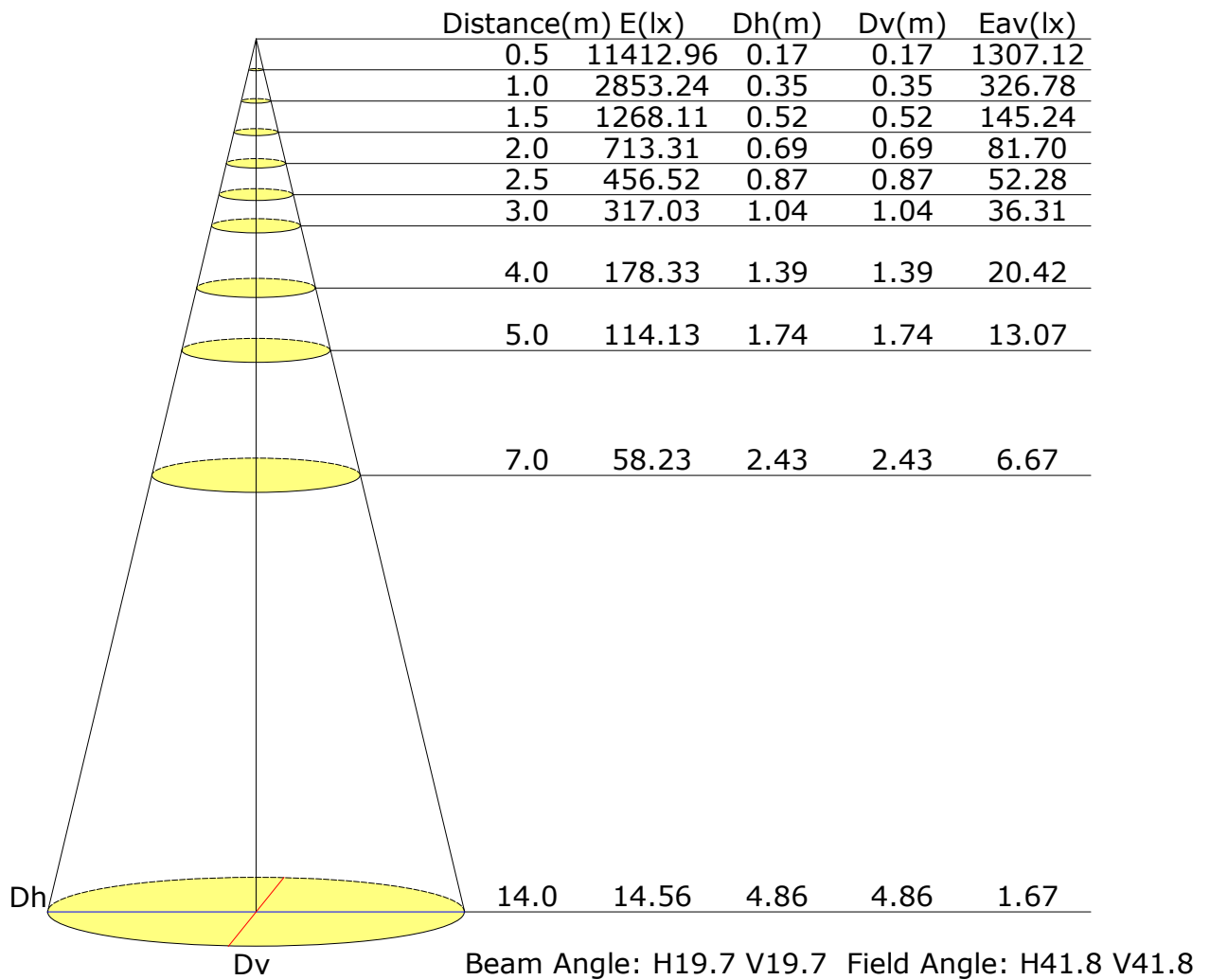
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

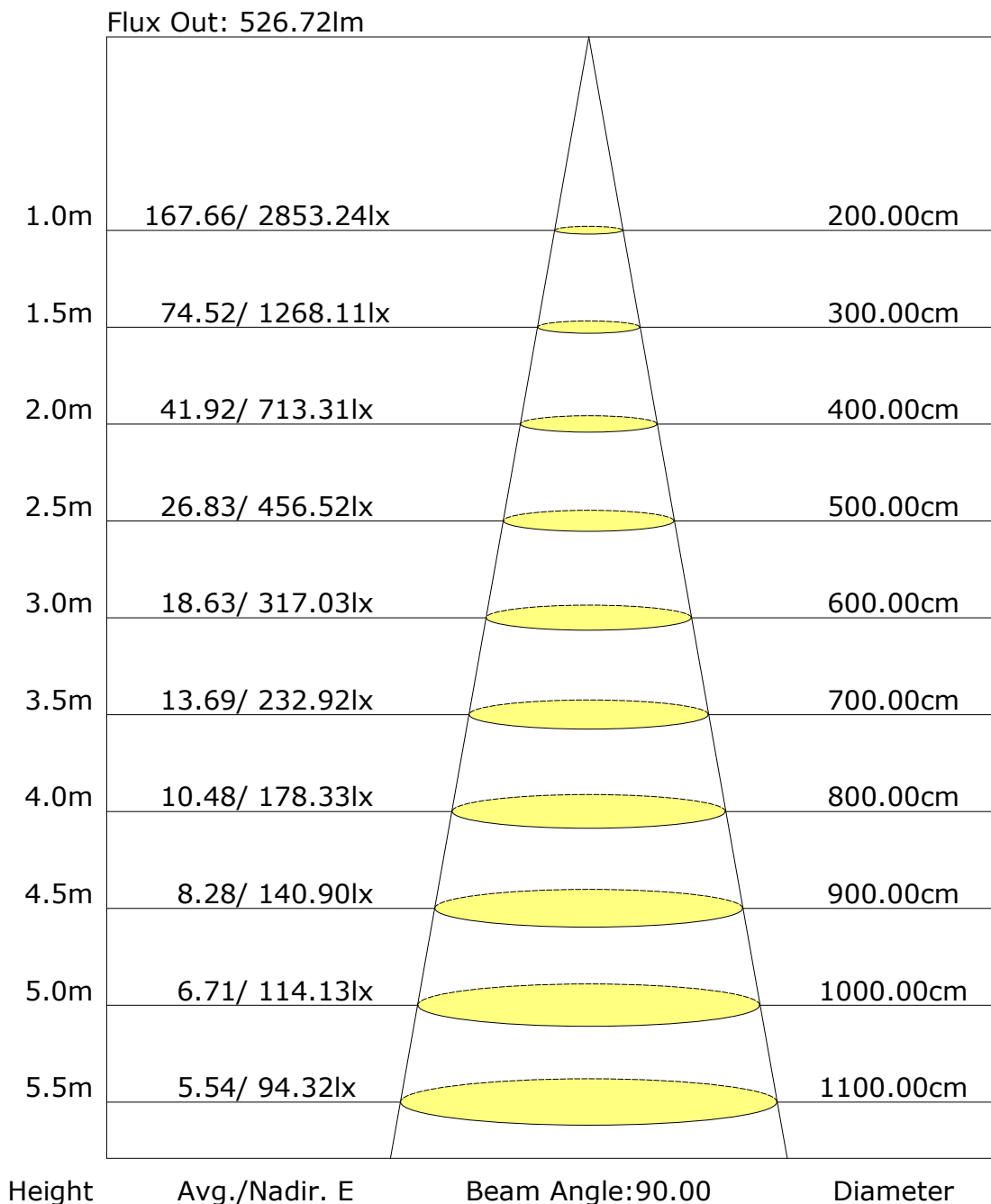
Inspector:

## Illuminance at a Distance





## 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: