

Report No.: 51.04011 Recessed Downlight Test Time: 2023-07-01 20:31

## Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90  
Luminaire Description: 36D  
Current: 0.062 A  
Power Factor: 0.582  
Voltage: 218.6 V  
Power: 7.90 W

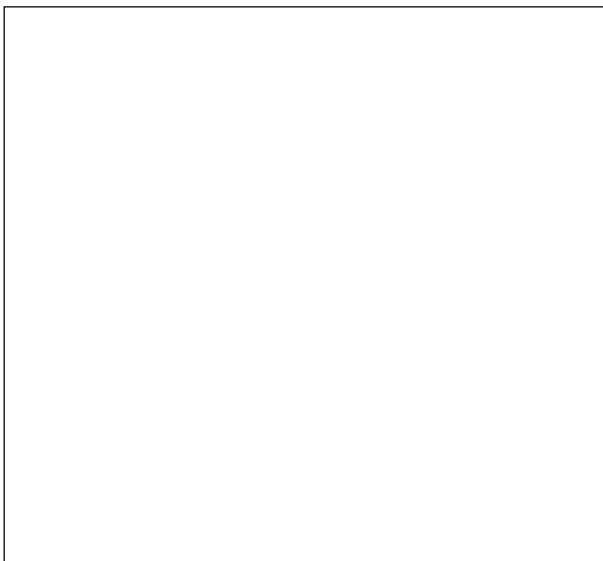
## Photometric Results

CIE Class: Direct  
Measurement Flux: 510.2 lm  
Downward Ratio: 100%  
Horizontal Diffuse Angle(50%): H34  
Vertical Diffuse Angle(50%): V34  
Luminaire Efficacy Rating (LER): 65  
Max. Intensity: 1344.85 cd

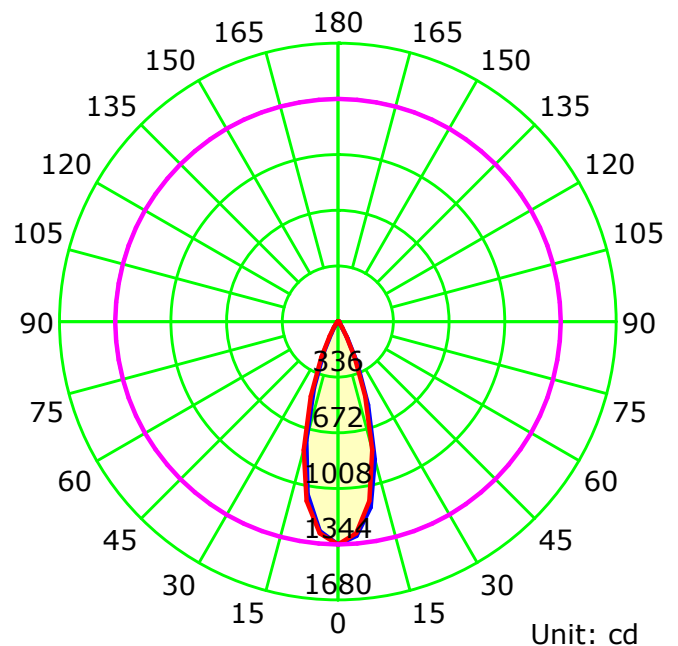
Total Rated Lamp Lumens: 510.2 lm  
Efficiency: 100%  
Upward Ratio: 0%

Central Intensity: 1344.85 cd  
Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve

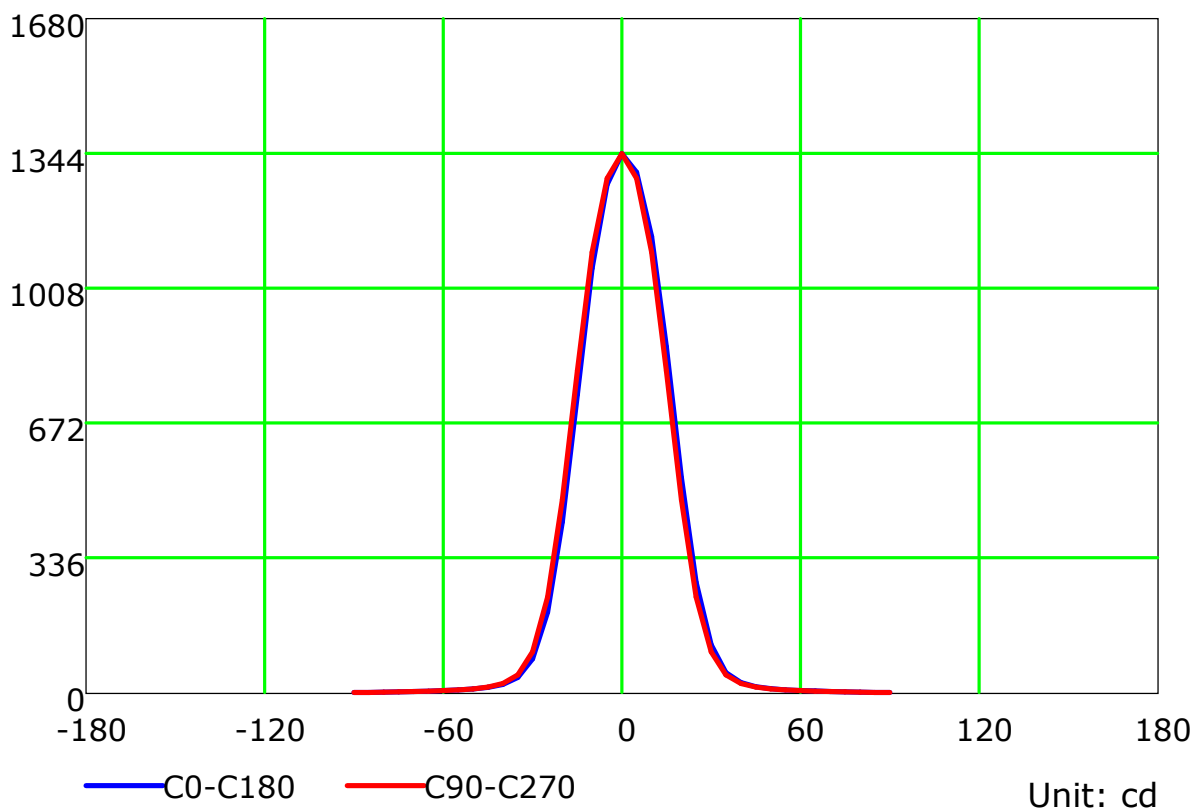
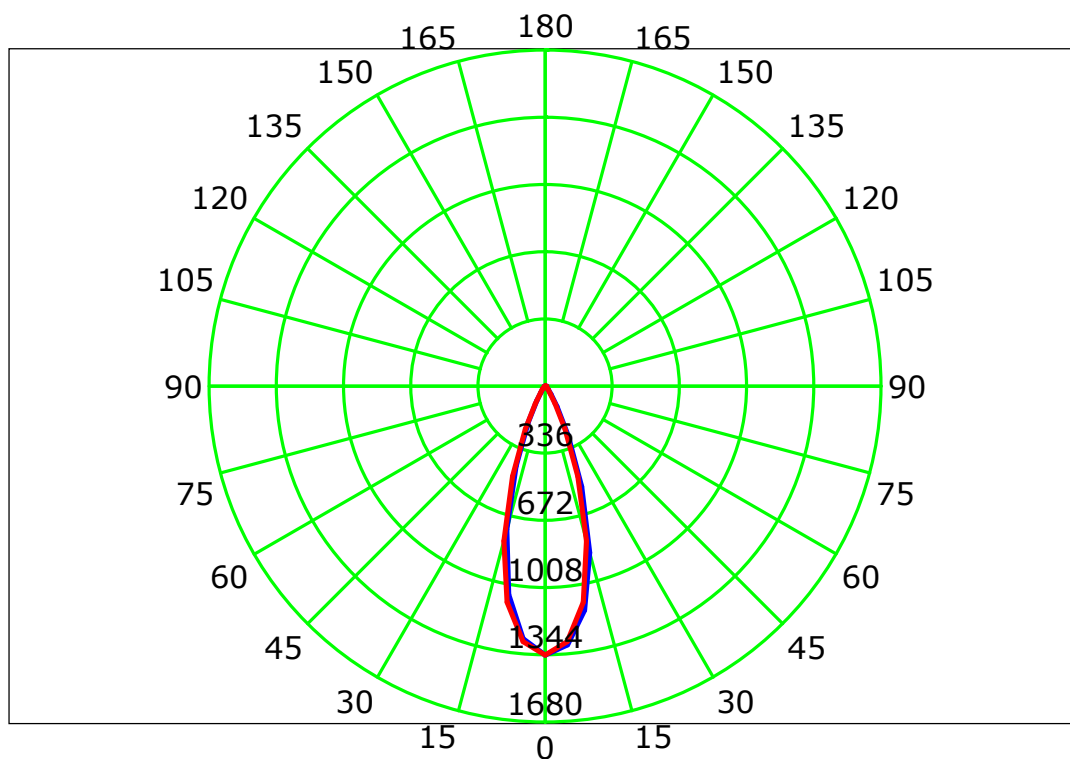


— C0-C180 — C90-C270 — G0

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:

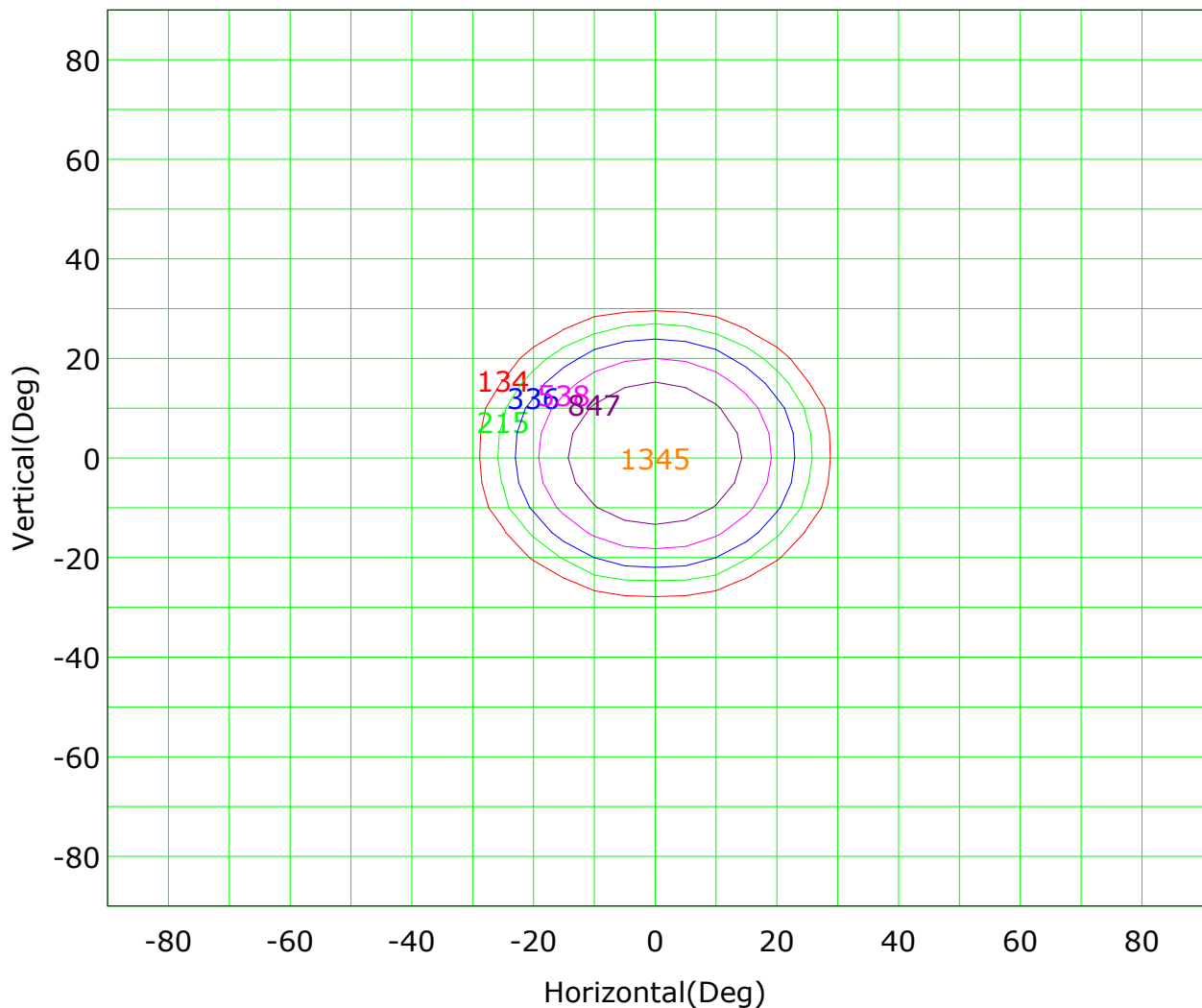
## Luminous Intensity Distribution Curve



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%): 1345 cd

( 10%): 134 cd	( 16%): 215 cd
( 25%): 336 cd	( 40%): 538 cd
( 63%): 847 cd	(100%): 1345 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

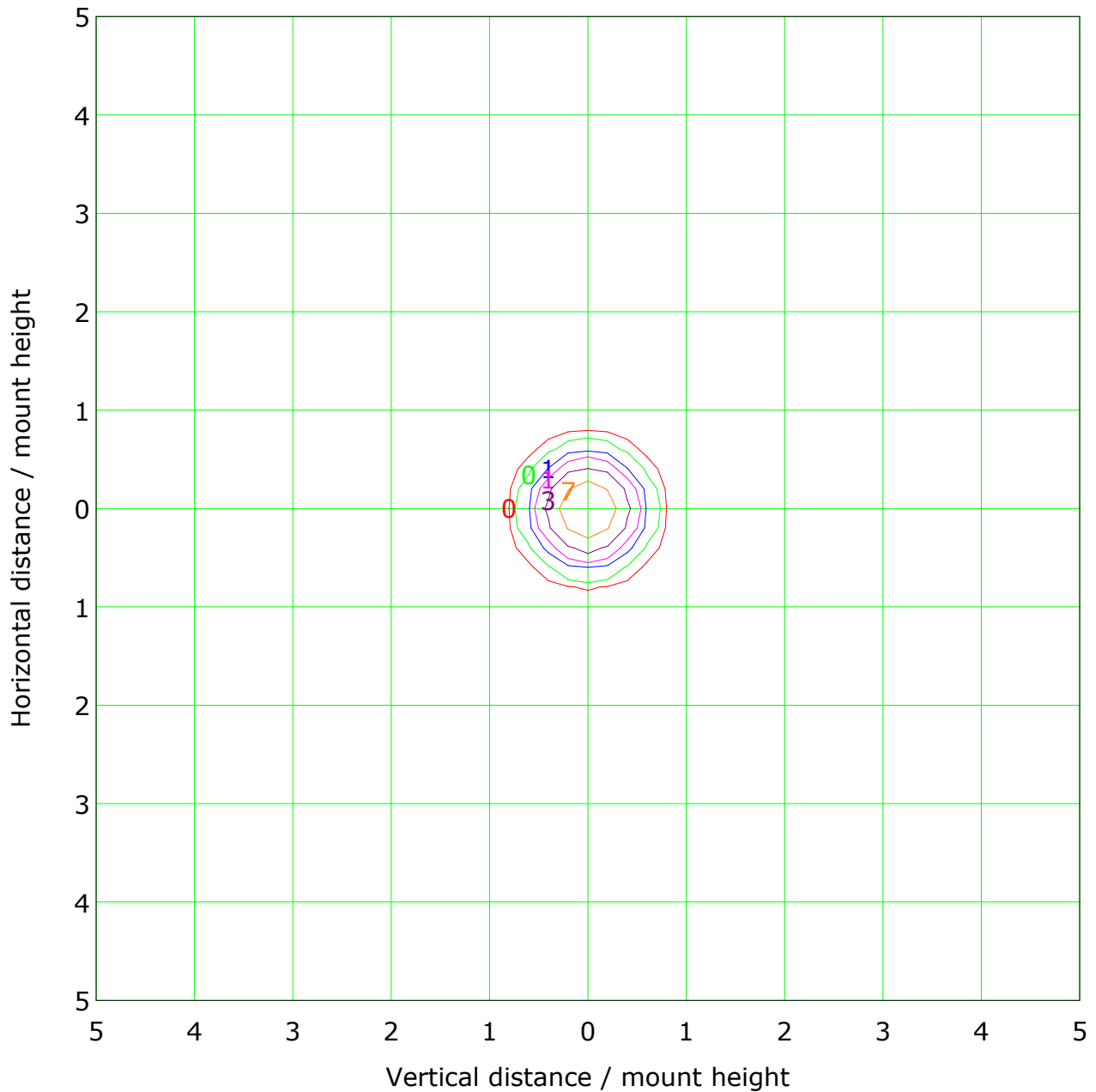
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

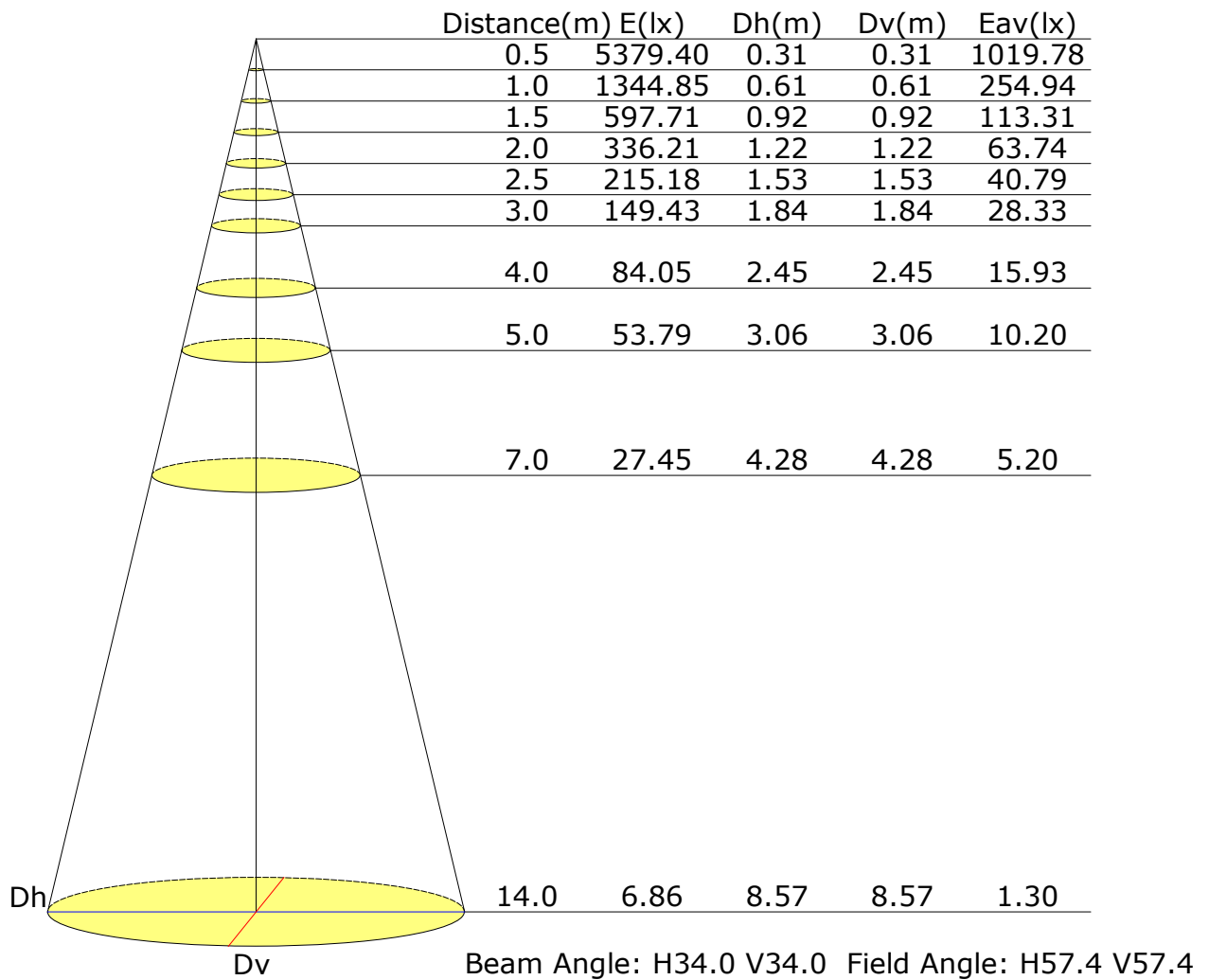


Mounting Height: 10m    Max Lux(100%): 13 lx			
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	1 lx	— ( 10%):	1 lx
— ( 20%):	3 lx	— ( 50%):	7 lx
— (100%):	13 lx		

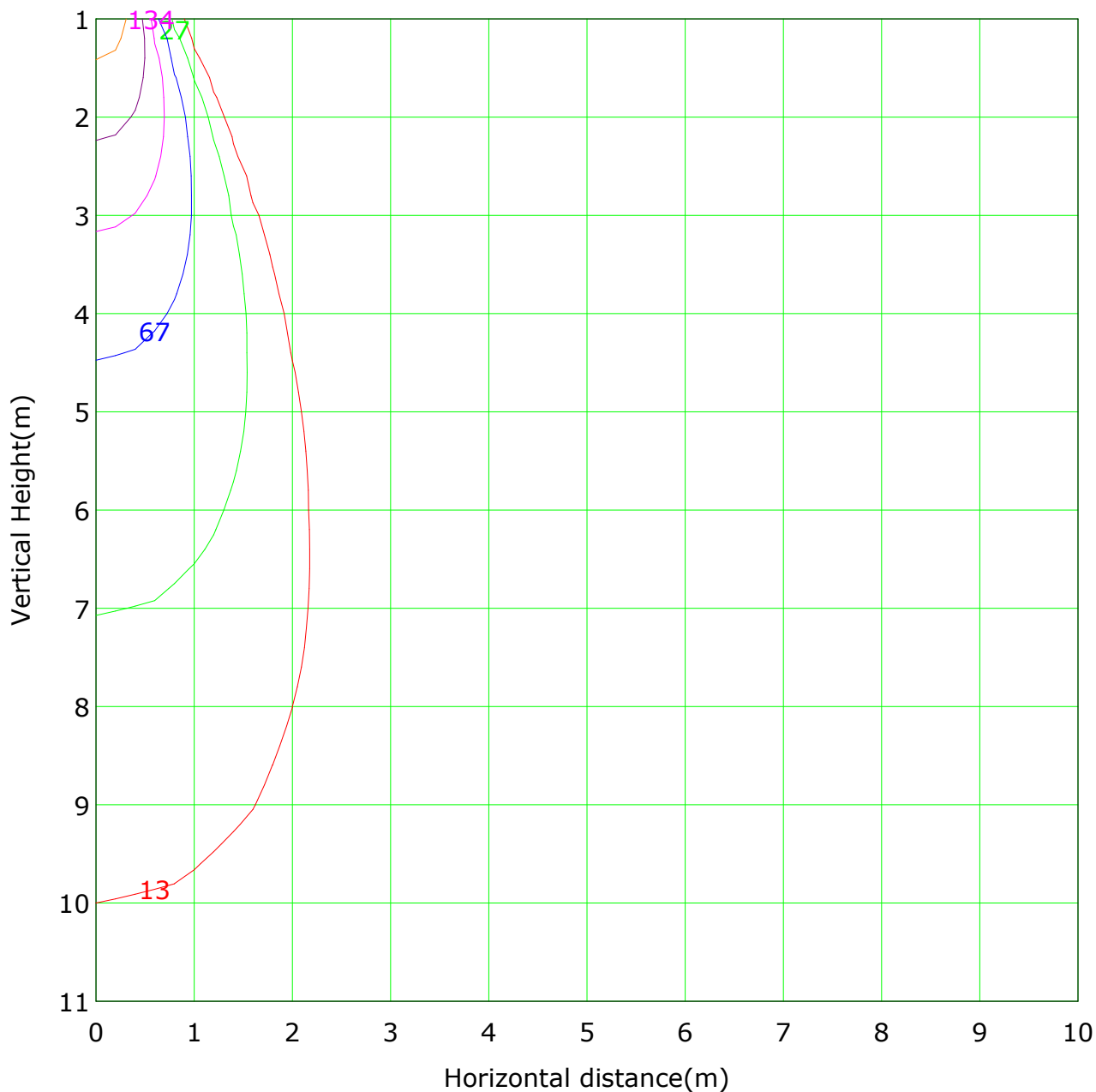
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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

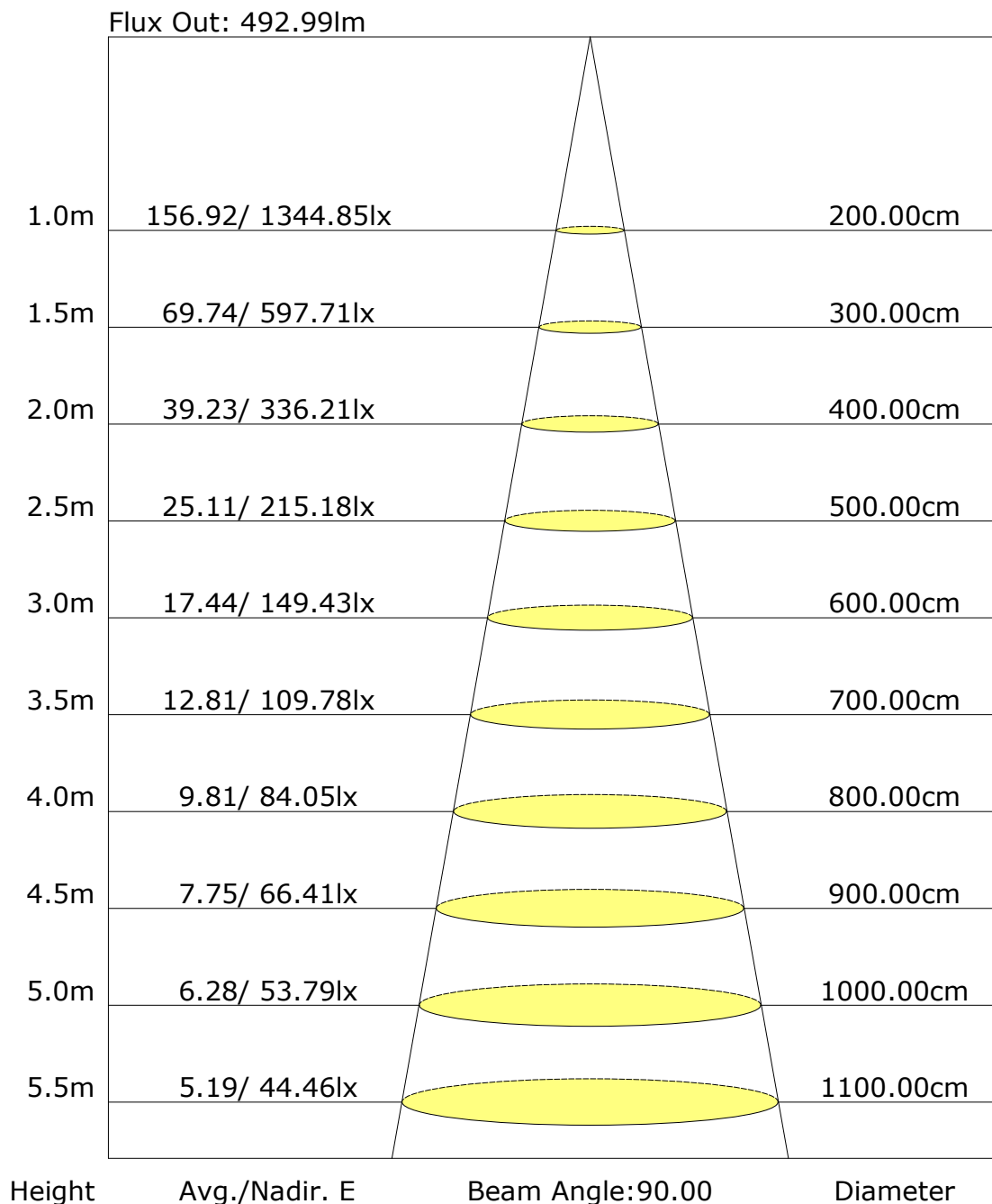


Lowest(m): 1m    Highest(m): 11    Max Lux: 1345	
( 1%): 13 lx	( 2%): 27 lx
( 5%): 67 lx	( 10%): 134 lx
( 20%): 269 lx	( 50%): 672 lx
(100%): 1345 lx	

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: