

Report No.: 32.06519 SPECTRUM Tracklight Test Time: 2023-09-13 17:38

## Luminaire Property

Luminaire Category: Bridgelux F90 V10C 3000K CRI90

Voltage: 225.4 V

Current: 0.093 A

Power: 19.90 W

Power Factor: 0.949

## Photometric Results

CIE Class: Direct

Measurement Flux: 2254.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H51.4

Vertical Diffuse Angle(50%): V51.4

Luminaire Efficacy Rating (LER): 113

Max. Intensity: 3097.67 cd

Total Rated Lamp Lumens: 2254.2 lm

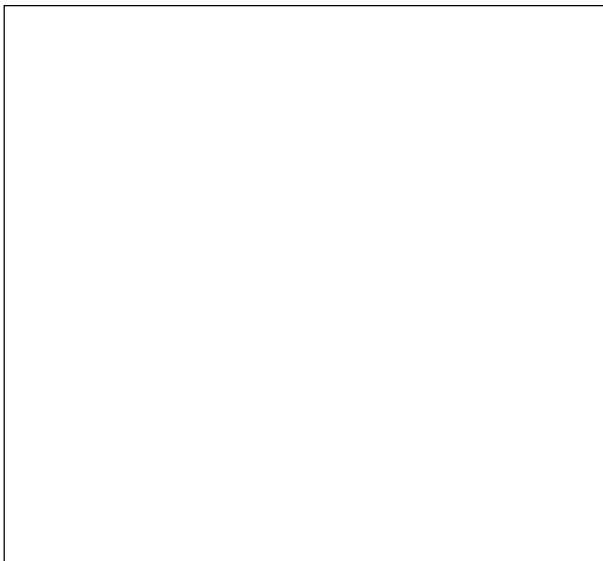
Efficiency: 100%

Upward Ratio: 0%

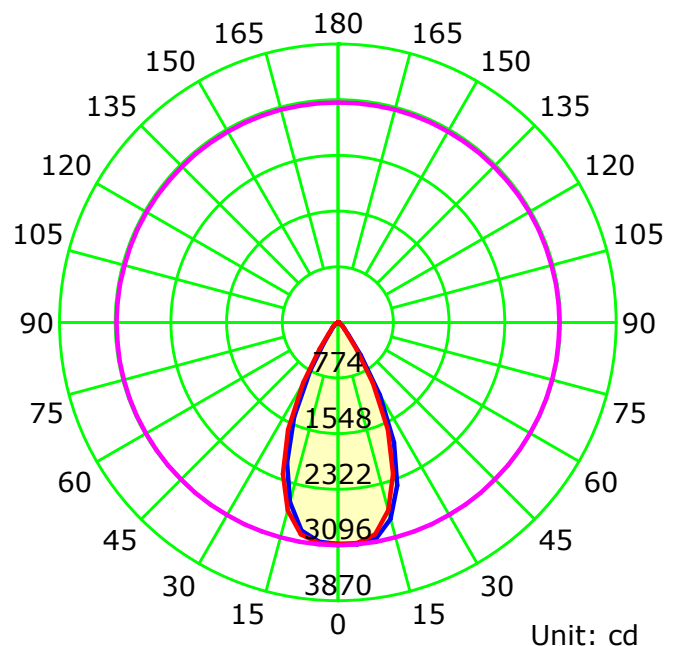
Central Intensity: 3081.33 cd

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

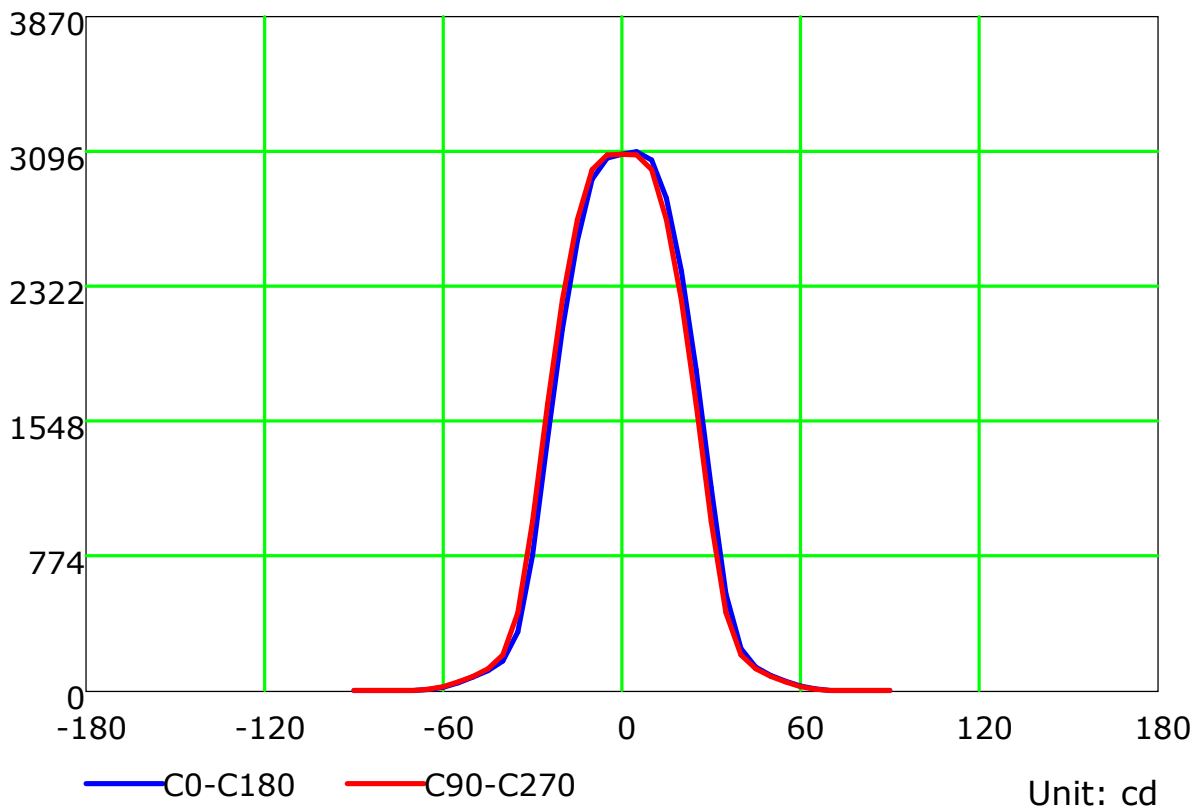
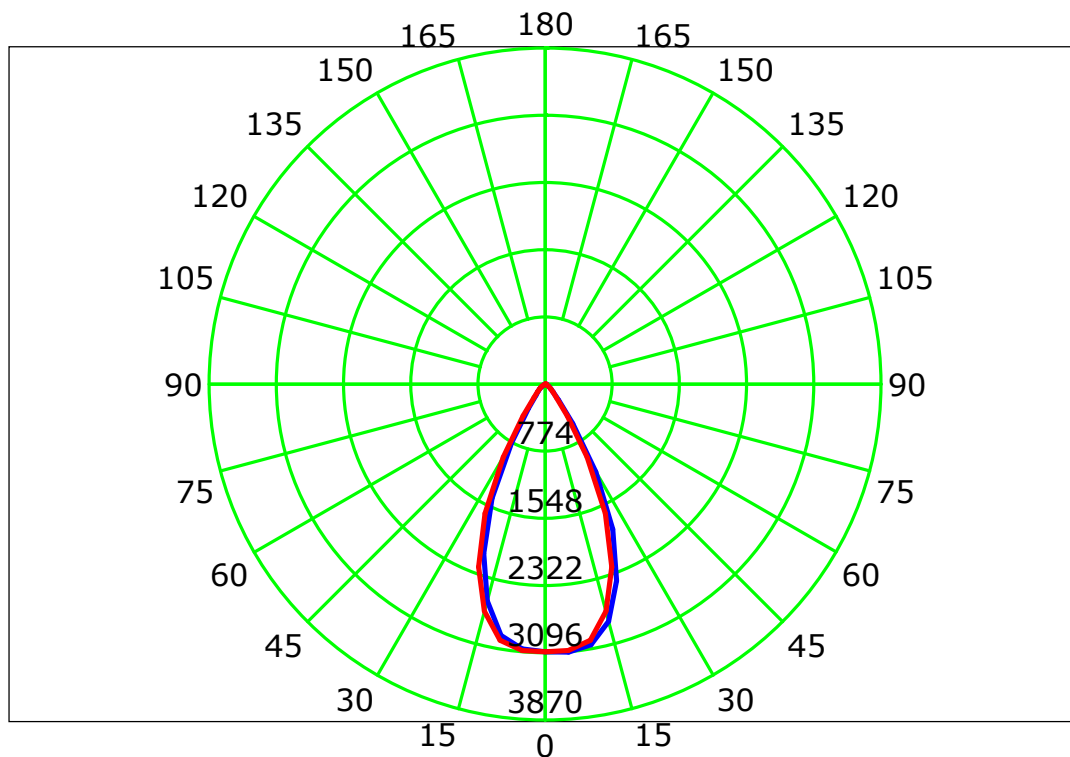
Distance: 3.000 m

Humidity:

Inspector:



## Luminous Intensity Distribution Curve

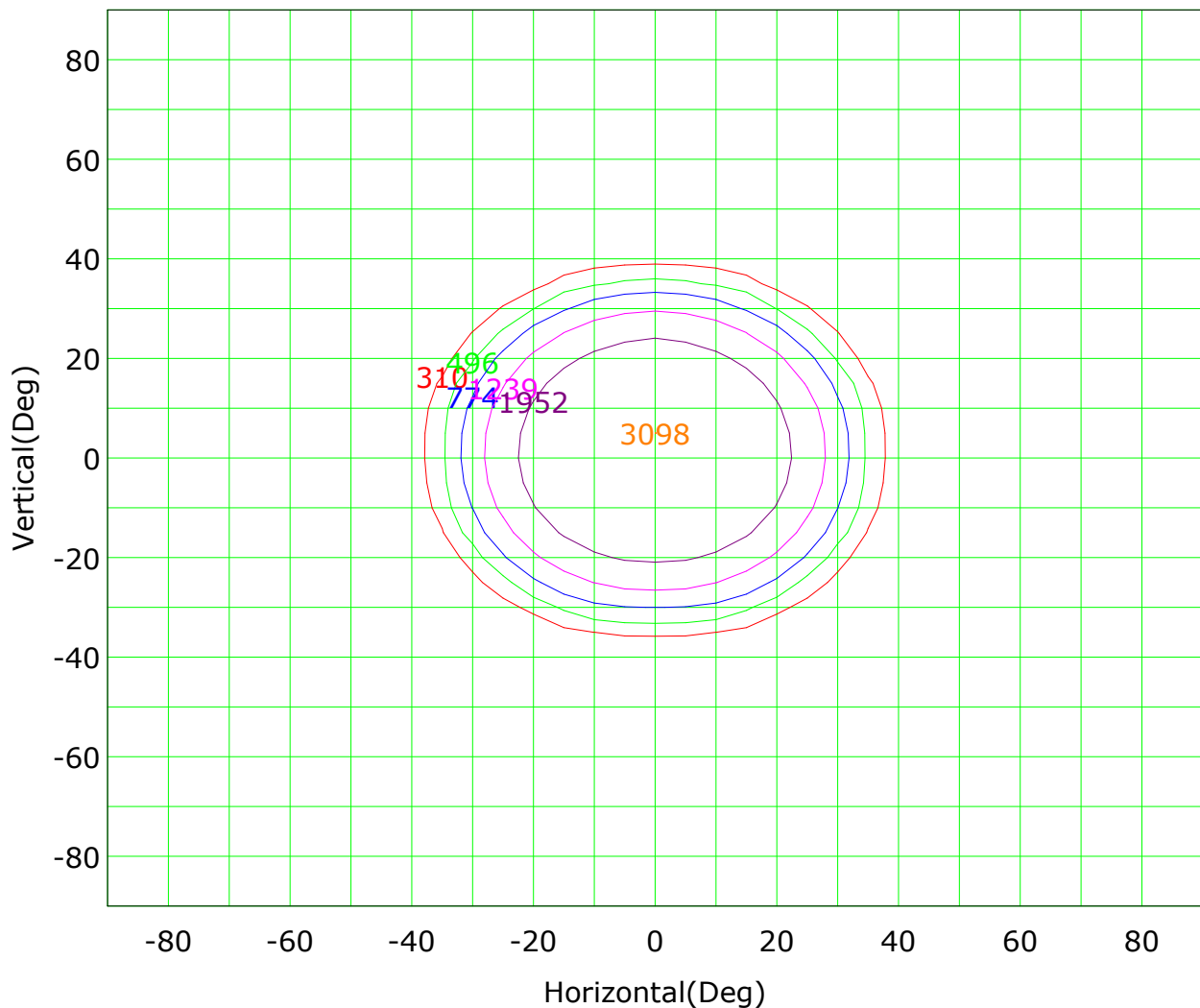


C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:5.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector:



## Isocandela (rectangle)



Imax (100%): 3098 cd

( 10%): 310 cd	( 16%): 496 cd
( 25%): 774 cd	( 40%): 1239 cd
( 63%): 1952 cd	(100%): 3098 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

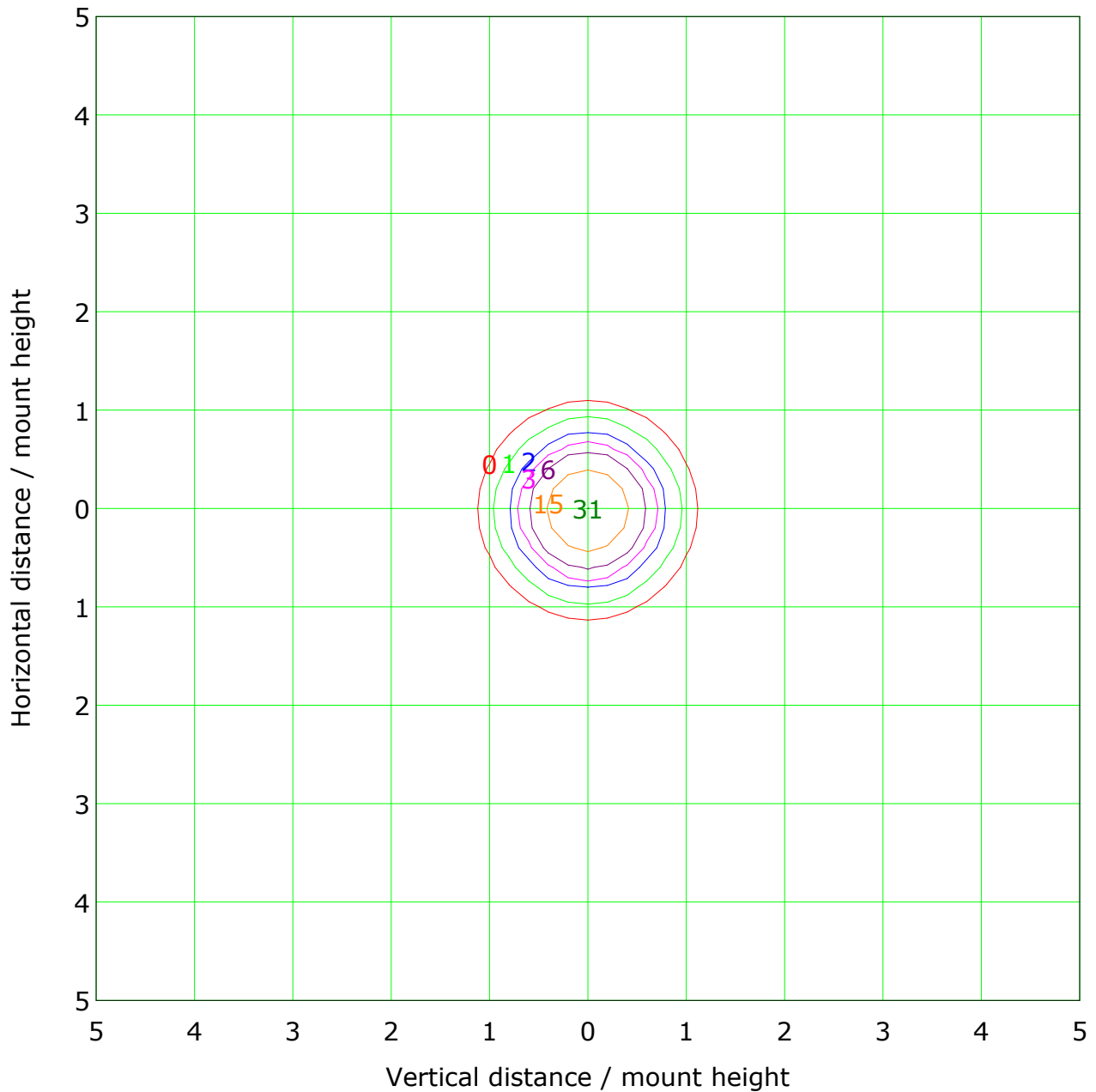
Distance: 3.000 m

Humidity:

Inspector:



## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 31 lx

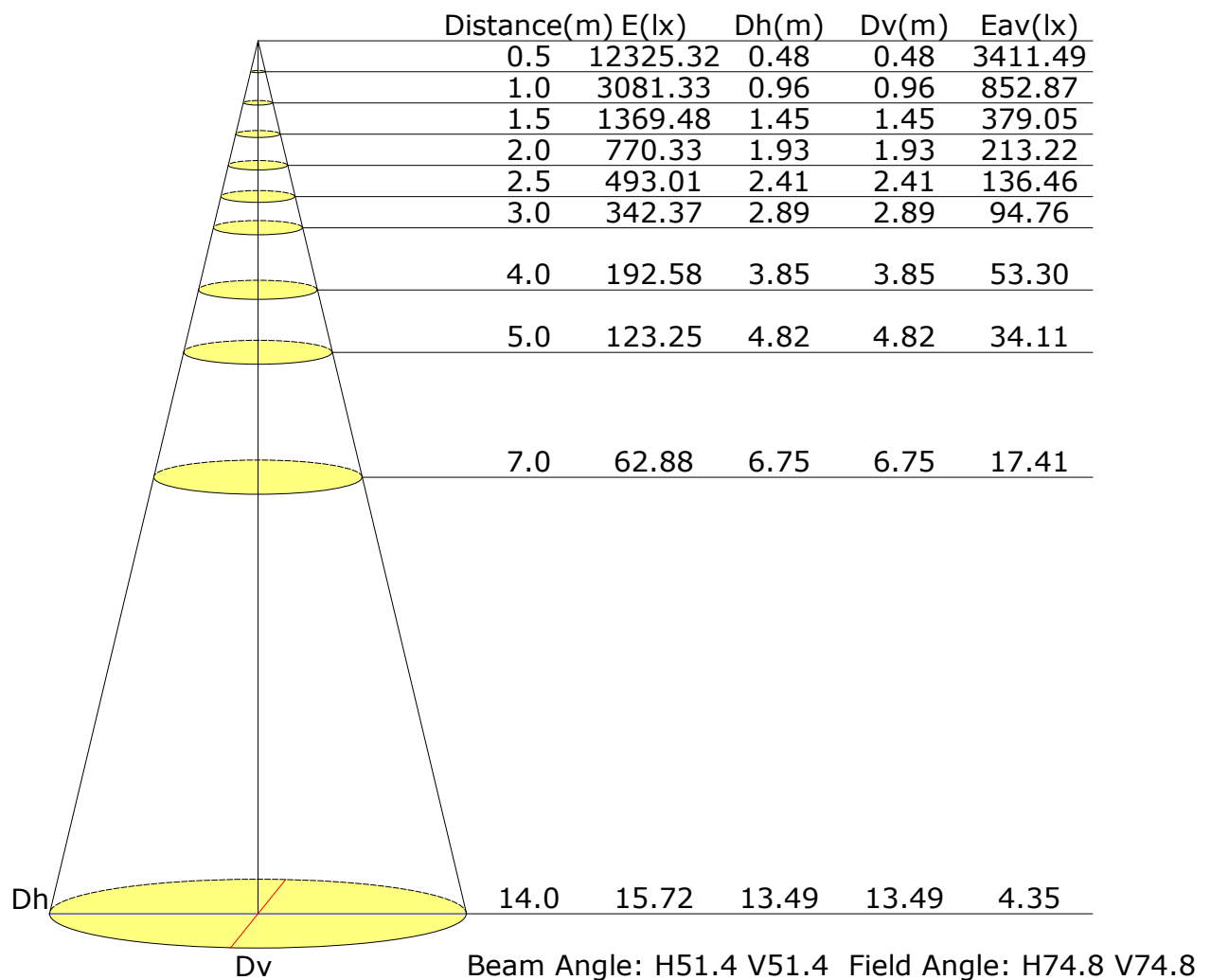
( 1%):	0 lx	( 2%):	1 lx
( 5%):	2 lx	( 10%):	3 lx
( 20%):	6 lx	( 50%):	15 lx
(100%):	31 lx		

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:

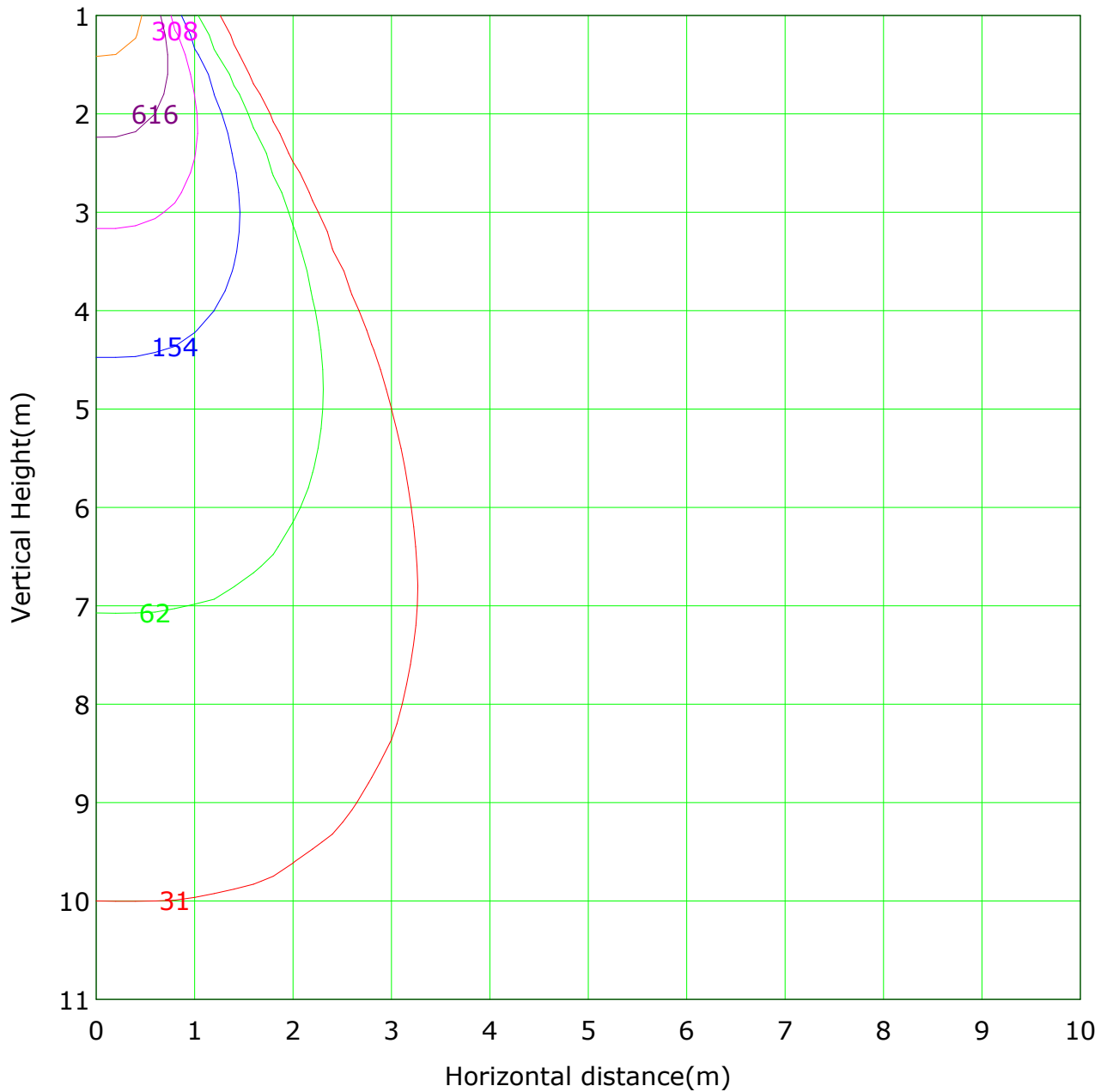


## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 3081

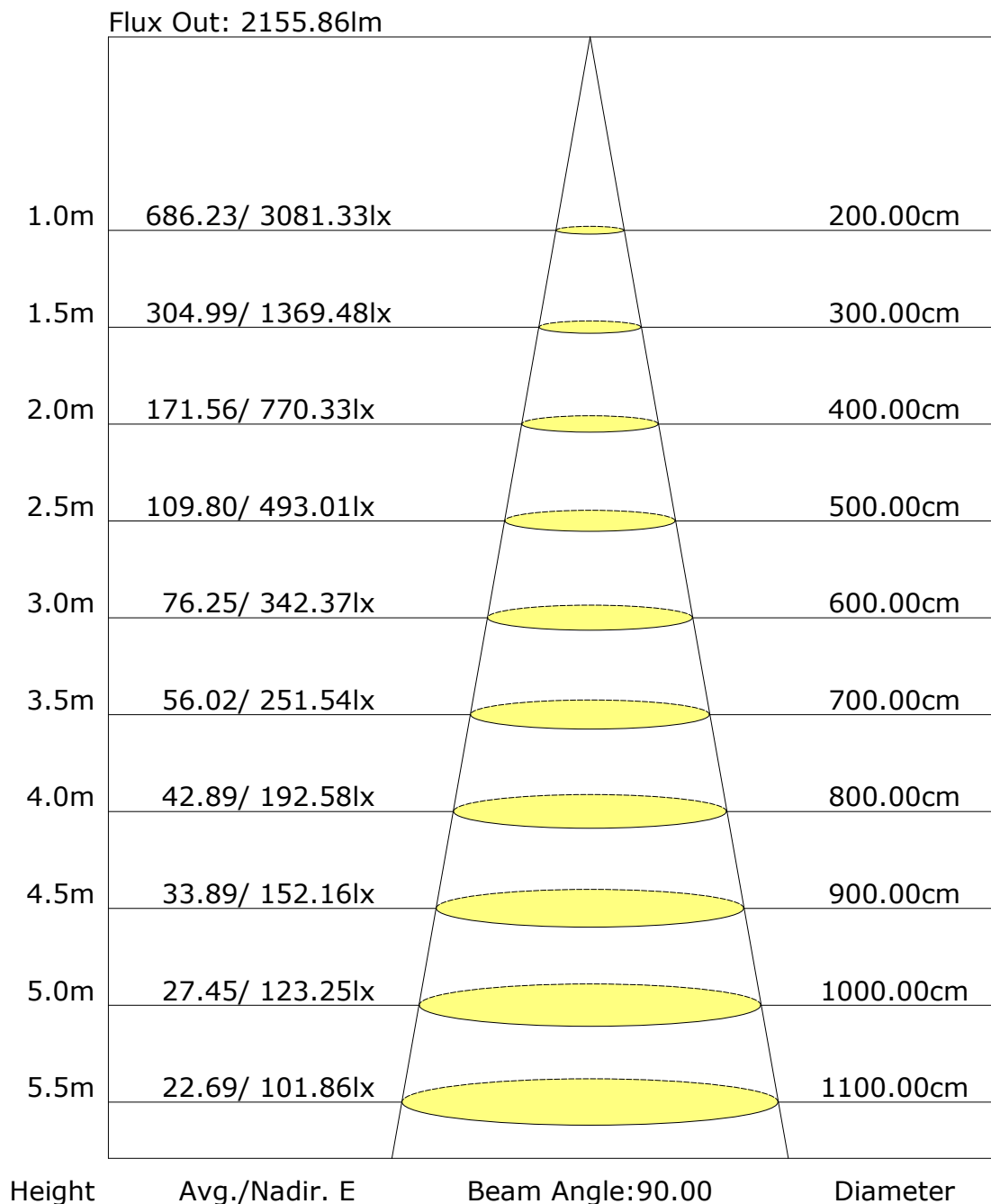
( 1%): 31 lx	( 2%): 62 lx
( 5%): 154 lx	( 10%): 308 lx
( 20%): 616 lx	( 50%): 1541 lx
(100%): 3081 lx	

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: