

Report No.: 51.03517 Recessed Downlight Test Time: 2023-07-01 19:42

Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90

Luminaire Description: 36D

Current: 0.056 A

Power Factor: 0.536

Voltage: 214.7 V

Power: 6.50 W

Photometric Results

CIE Class: Direct

Measurement Flux: 446.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H37

Vertical Diffuse Angle(50%): V37

Luminaire Efficacy Rating (LER): 69

Max. Intensity: 922.06 cd

Total Rated Lamp Lumens: 446.8 lm

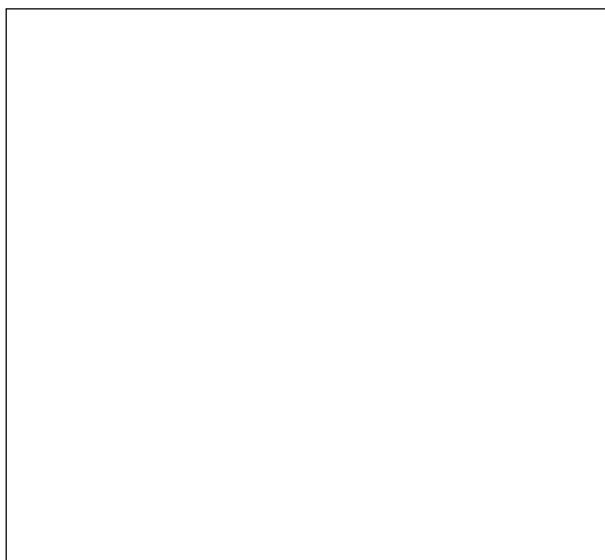
Efficiency: 100%

Upward Ratio: 0%

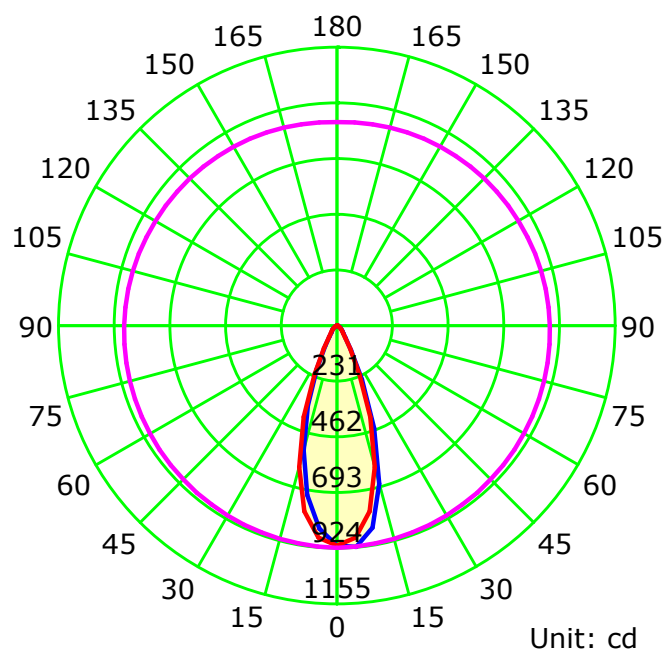
Central Intensity: 912.68 cd

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

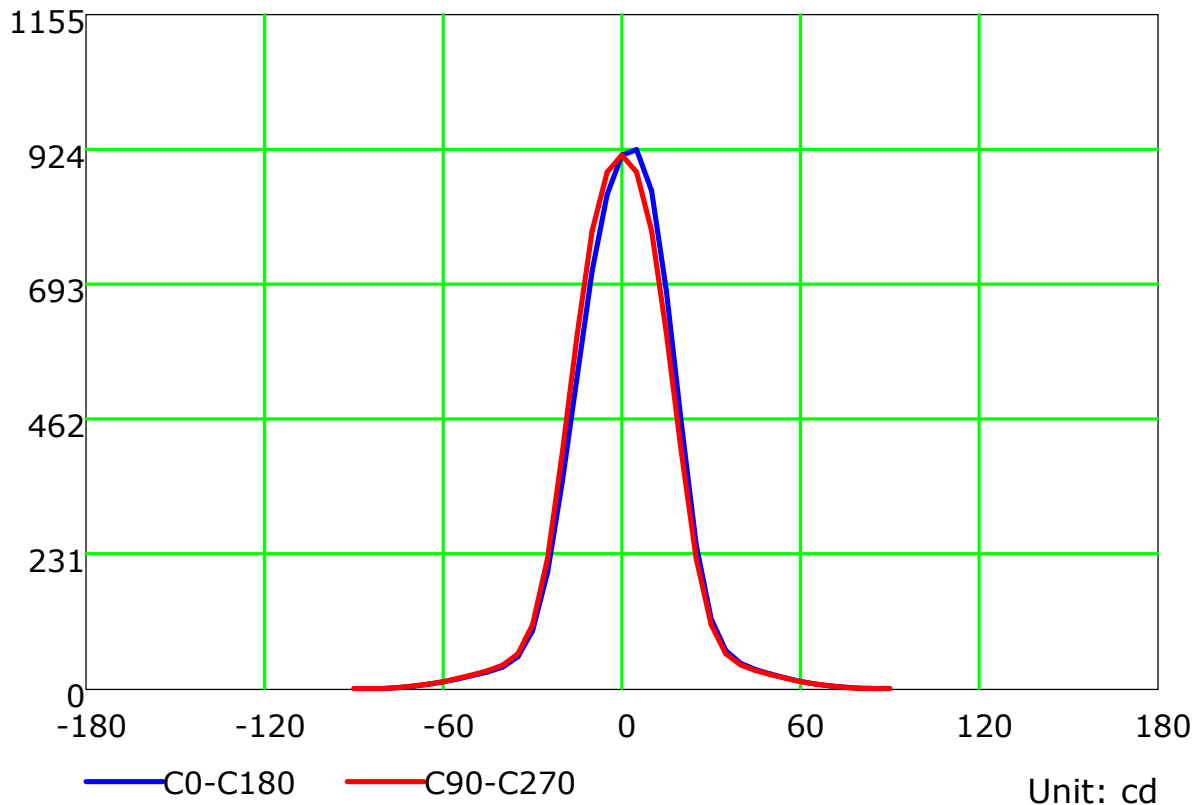
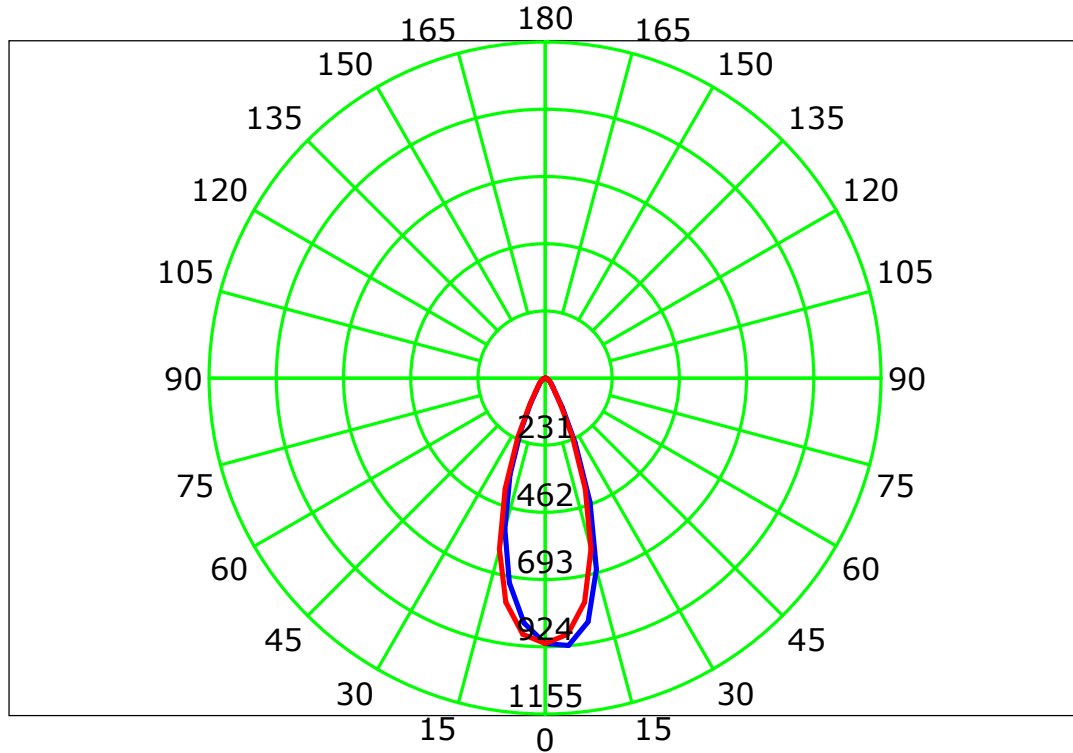
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

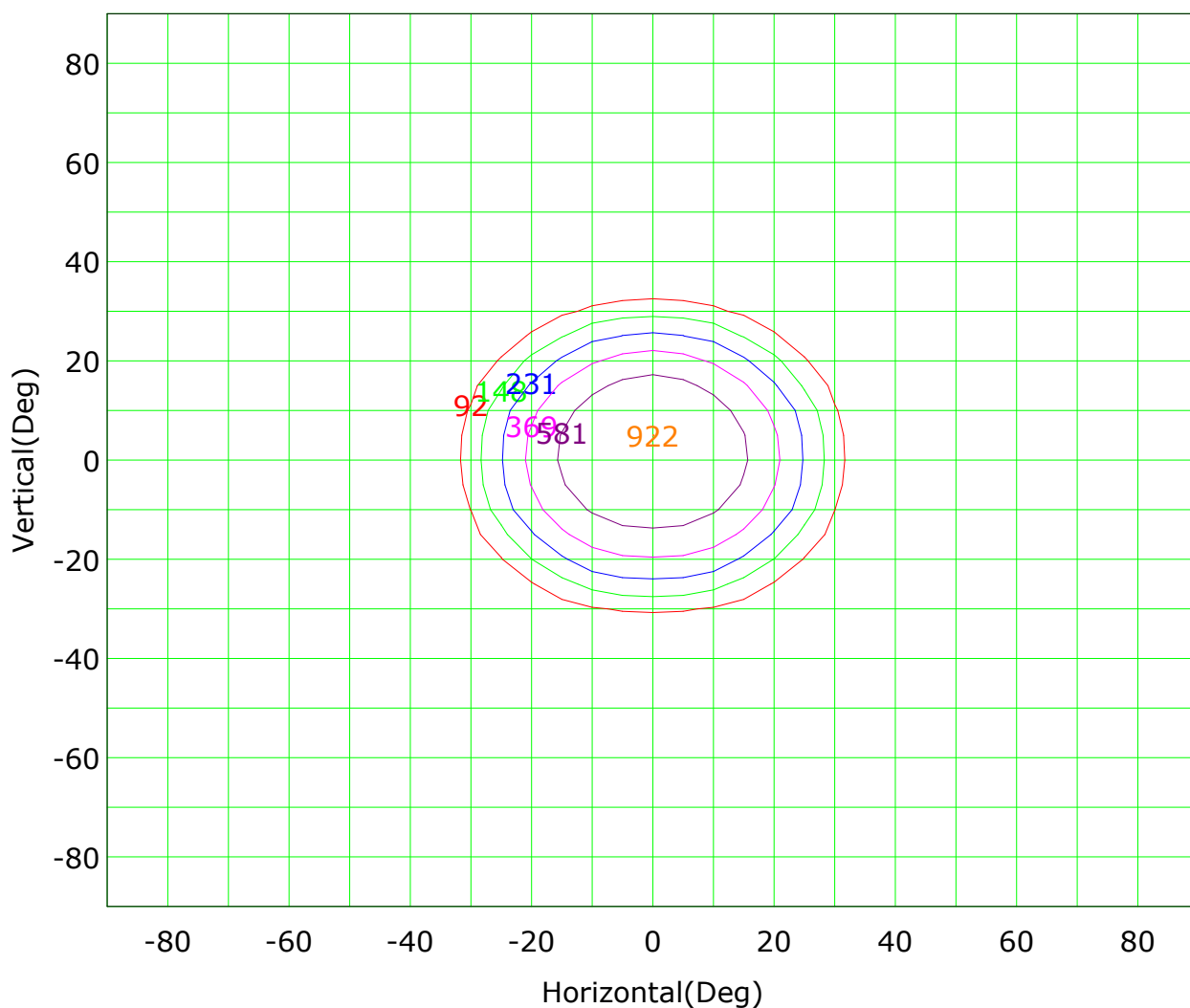
Luminous Intensity Distribution Curve



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)



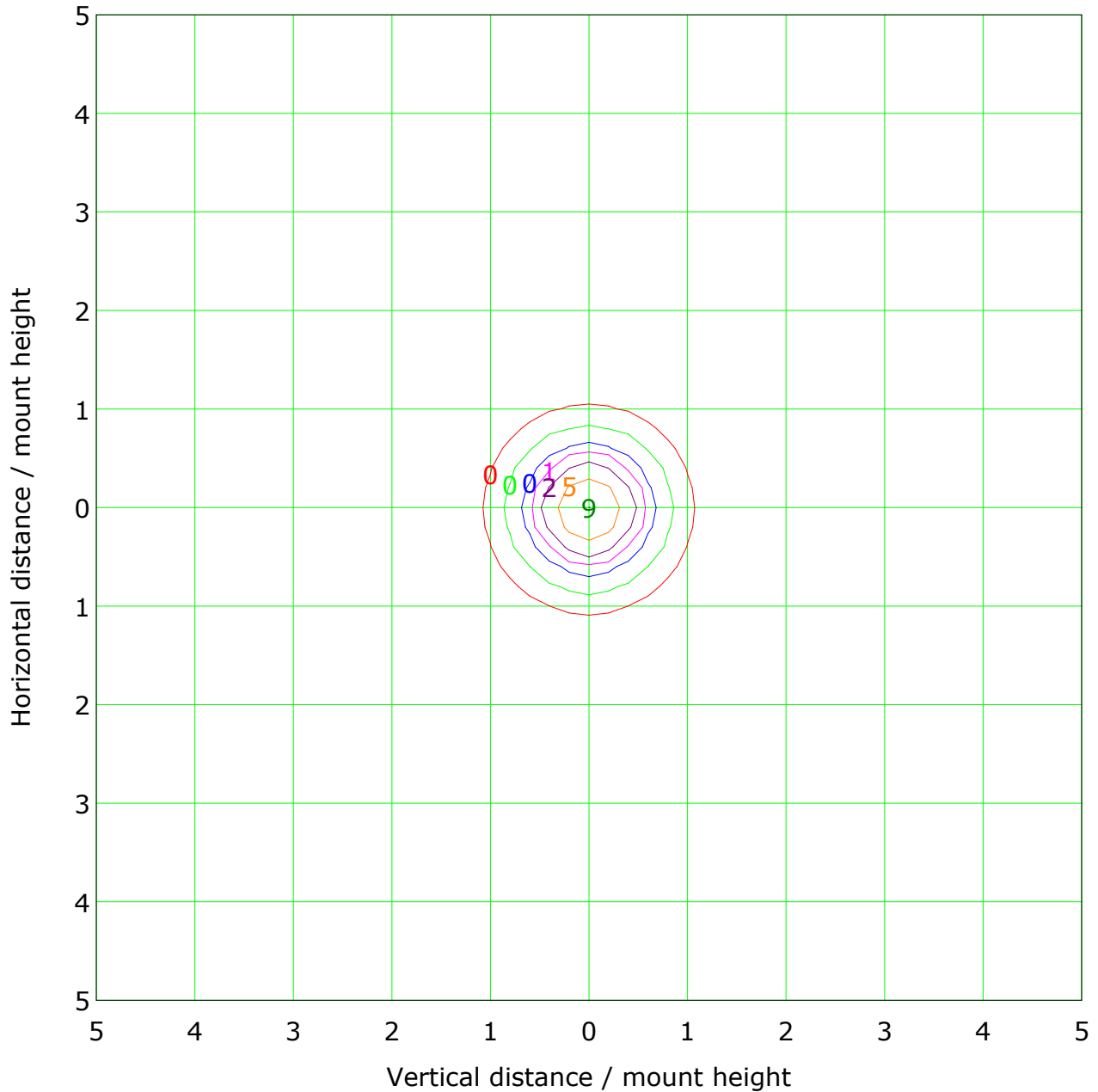
Imax (100%): 922 cd

(10%): 92 cd	(16%): 148 cd
(25%): 231 cd	(40%): 369 cd
(63%): 581 cd	(100%): 922 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%): 9 lx

(1%):	0 lx	(2%):	0 lx
(5%):	0 lx	(10%):	1 lx
(20%):	2 lx	(50%):	5 lx
(100%):	9 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

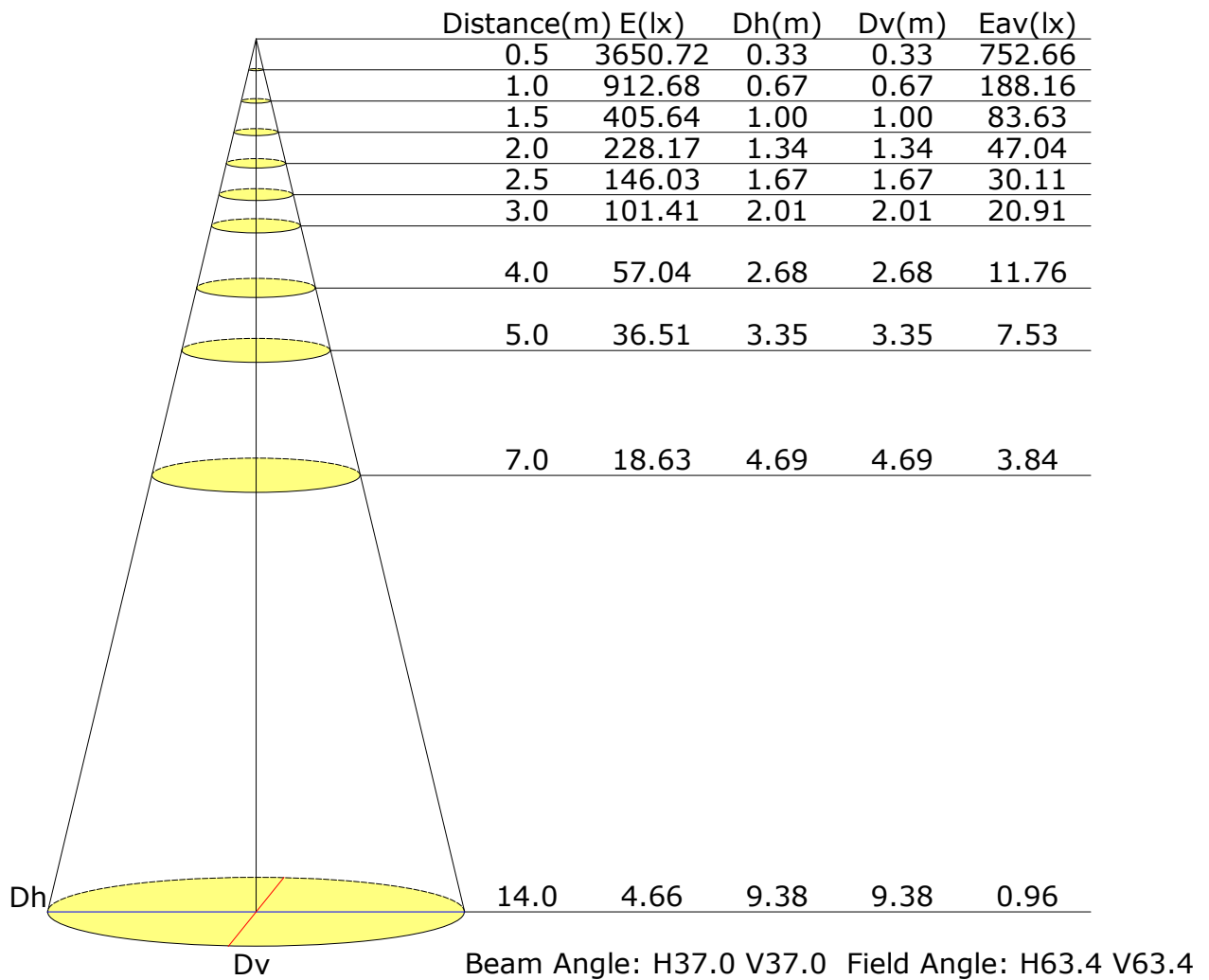
Test Device: CHL-6E

Distance: 3.000 m

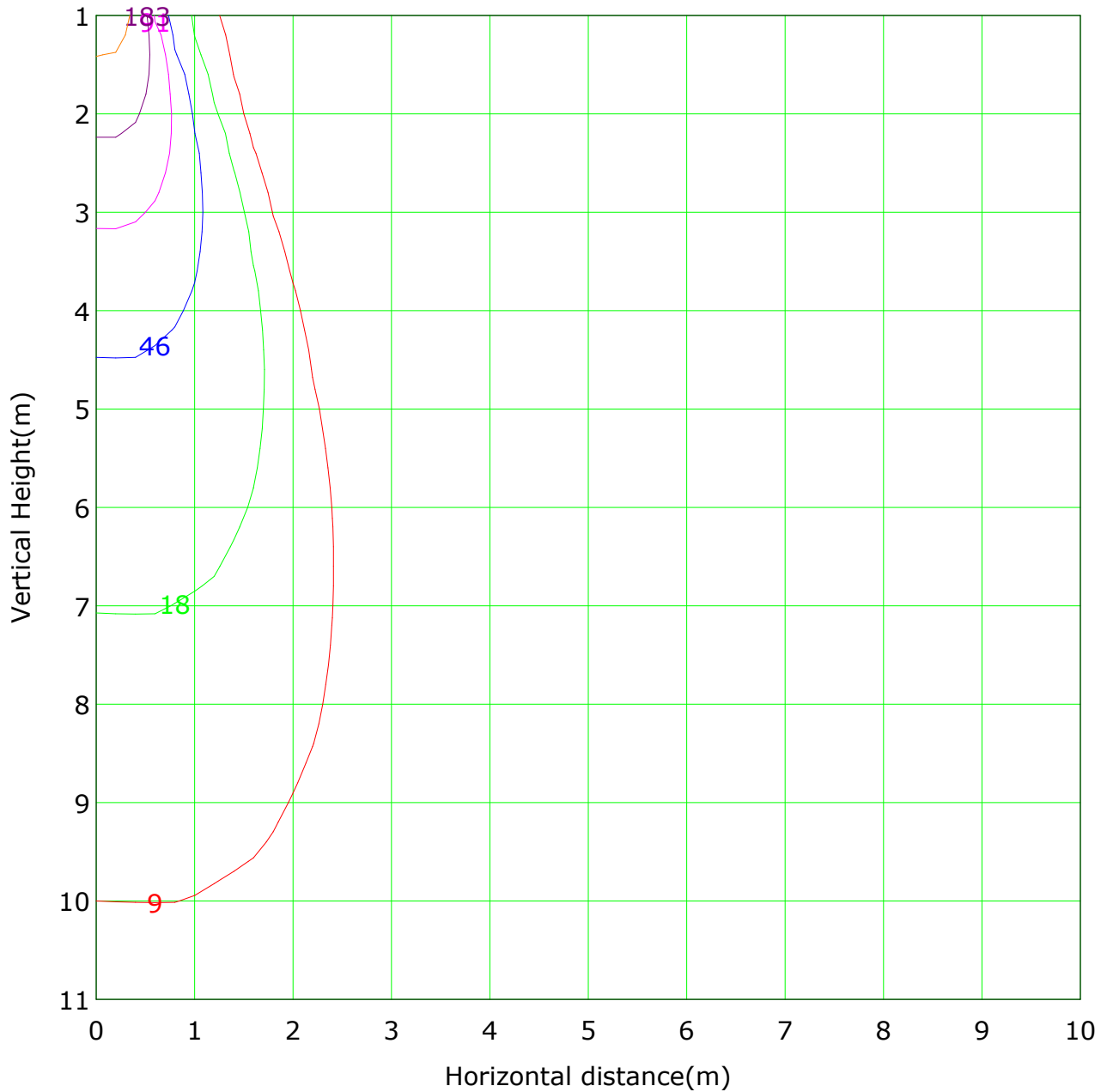
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



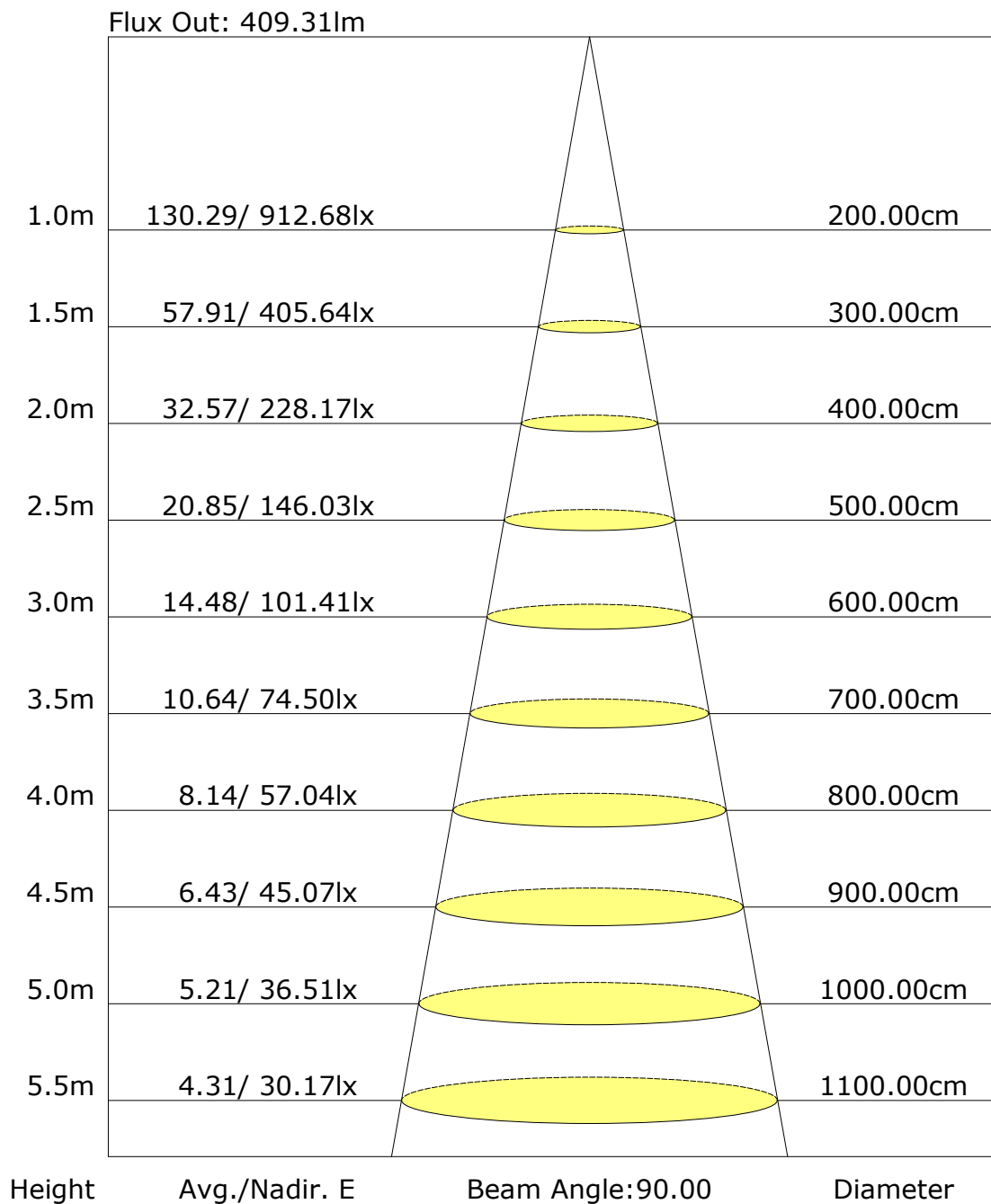
Lowest(m): 1m Highest(m): 11 Max Lux: 913

(1%): 9 lx	(2%): 18 lx
(5%): 46 lx	(10%): 91 lx
(20%): 183 lx	(50%): 456 lx
(100%): 913 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: