

Report No.: 52.03513 Recessed Downlight Test Time: 2023-07-01 19:46

Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90

Luminaire Description: 50D

Current: 0.056 A

Power Factor: 0.532

Voltage: 216.4 V

Power: 6.50 W

Photometric Results

CIE Class: Direct

Measurement Flux: 401.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H51.7

Vertical Diffuse Angle(50%): V51.7

Luminaire Efficacy Rating (LER): 62

Max. Intensity: 499.36 cd

Total Rated Lamp Lumens: 401.7 lm

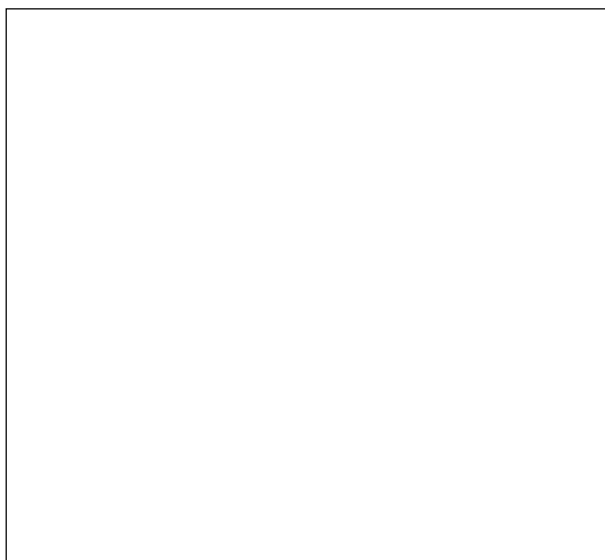
Efficiency: 100%

Upward Ratio: 0%

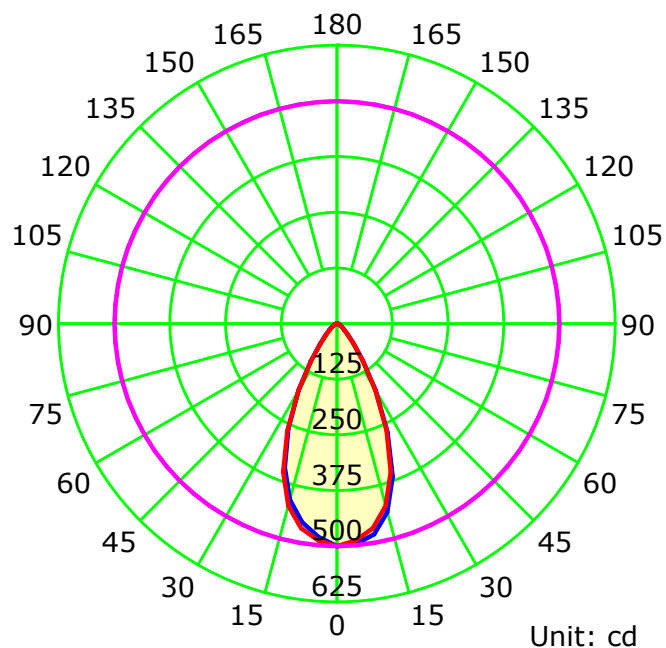
Central Intensity: 499.36 cd

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

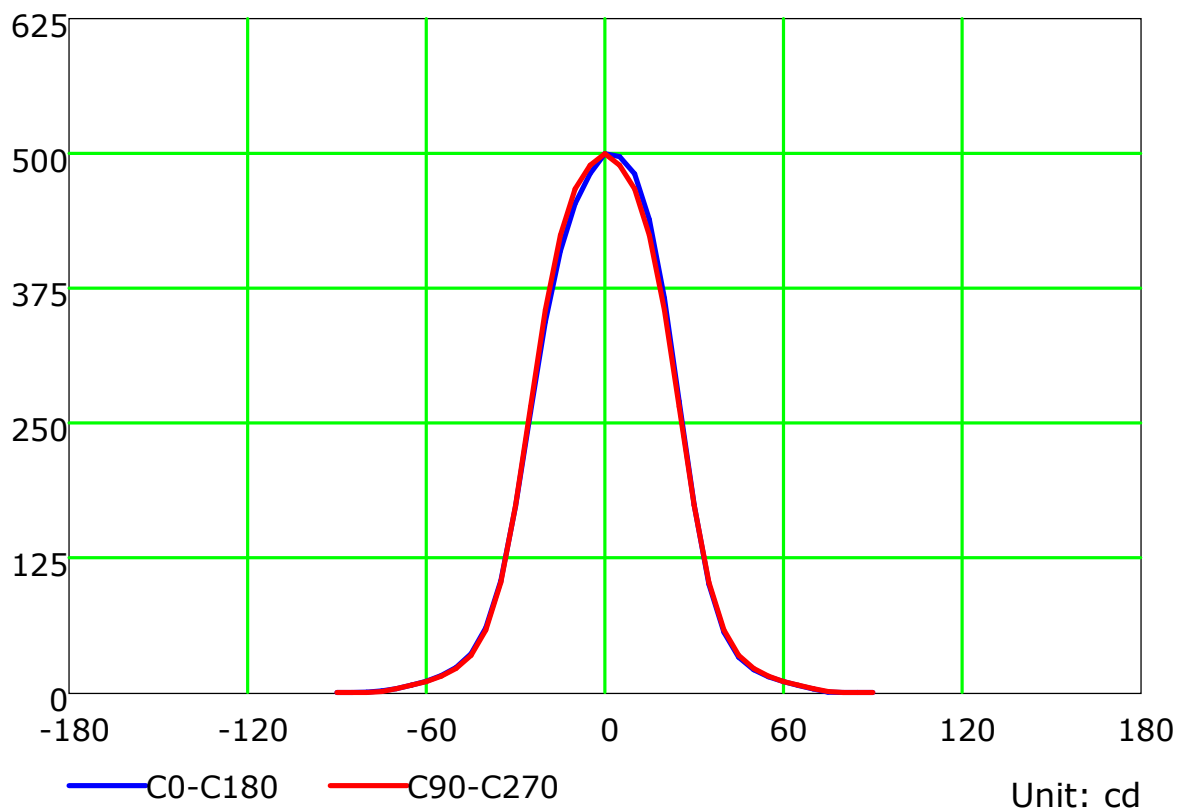
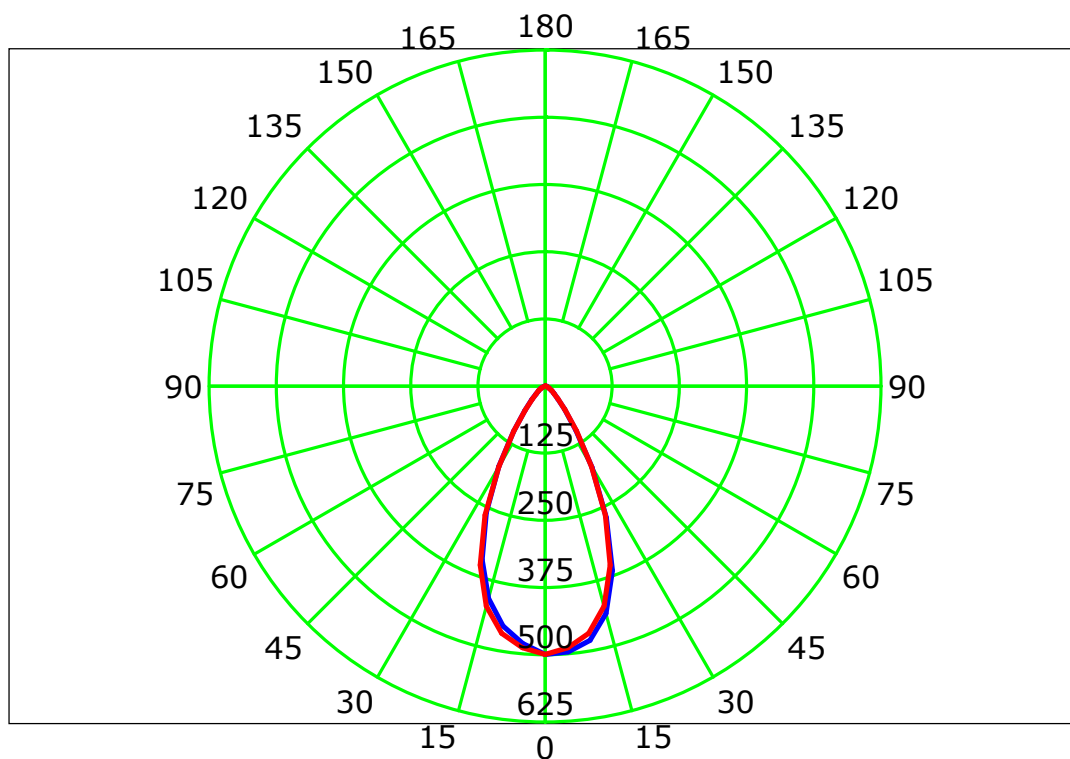
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

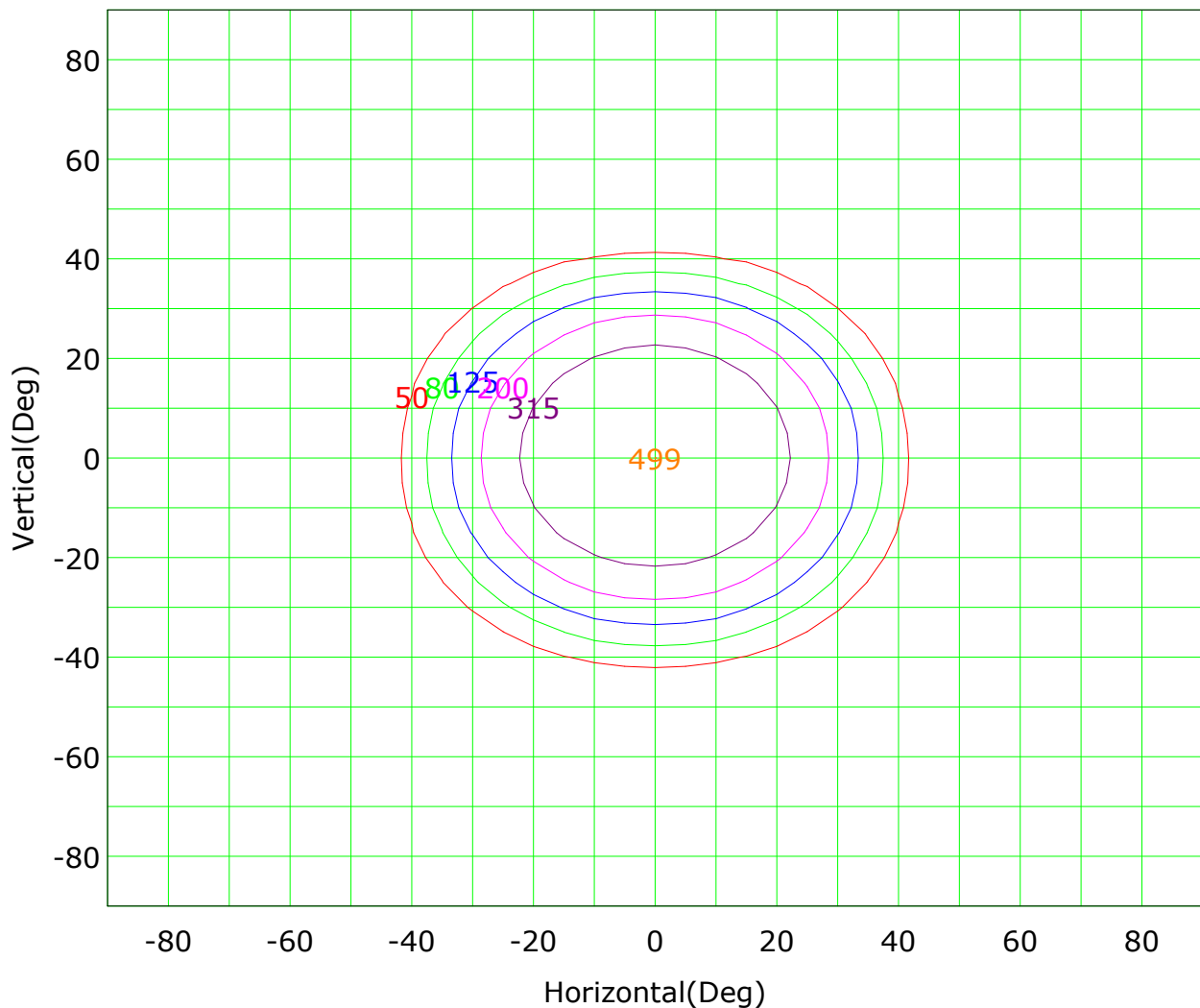
Luminous Intensity Distribution Curve



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%): 499 cd

(10%):	50 cd	(16%):	80 cd
(25%):	125 cd	(40%):	200 cd
(63%):	315 cd	(100%):	499 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

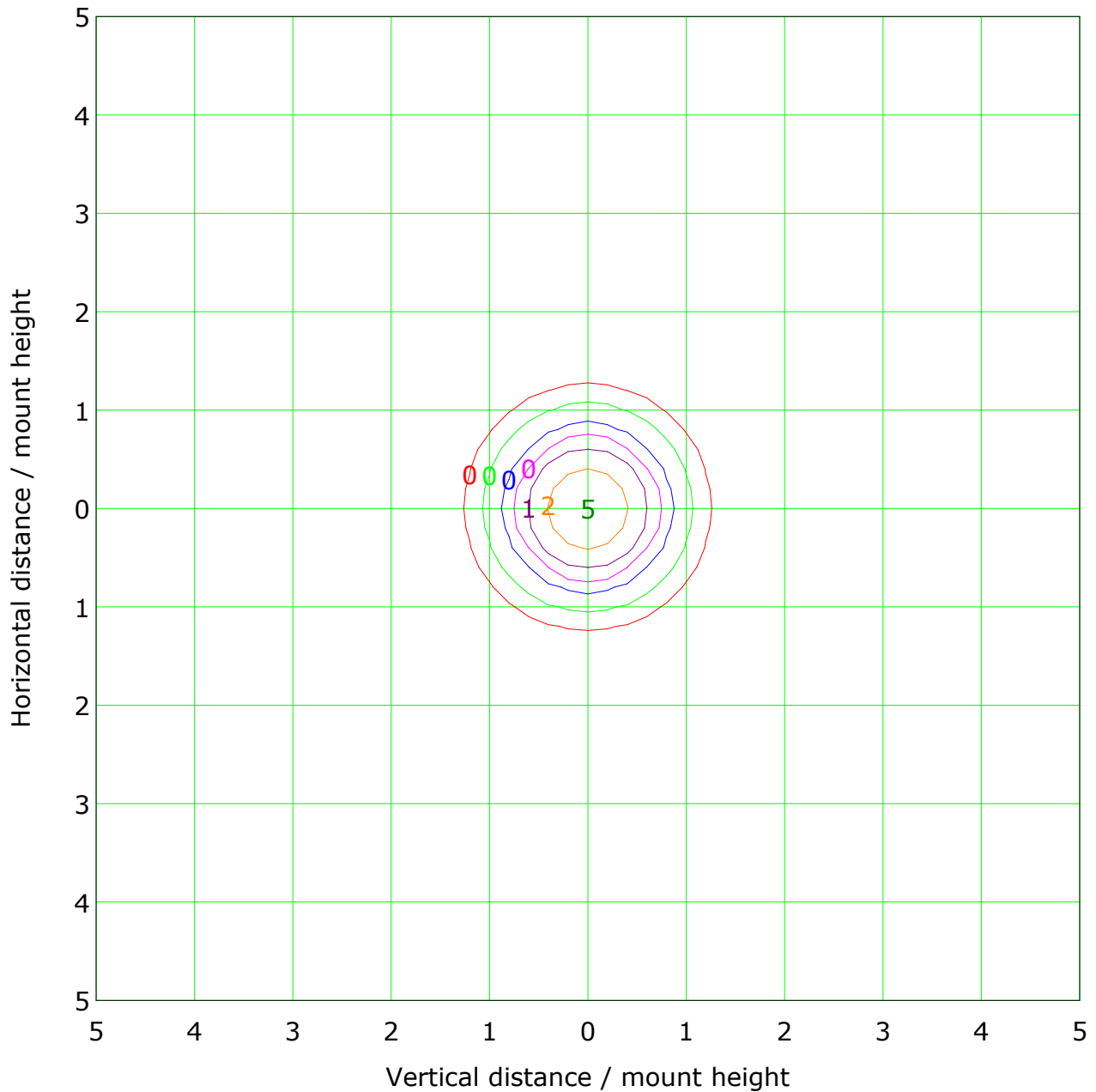
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



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

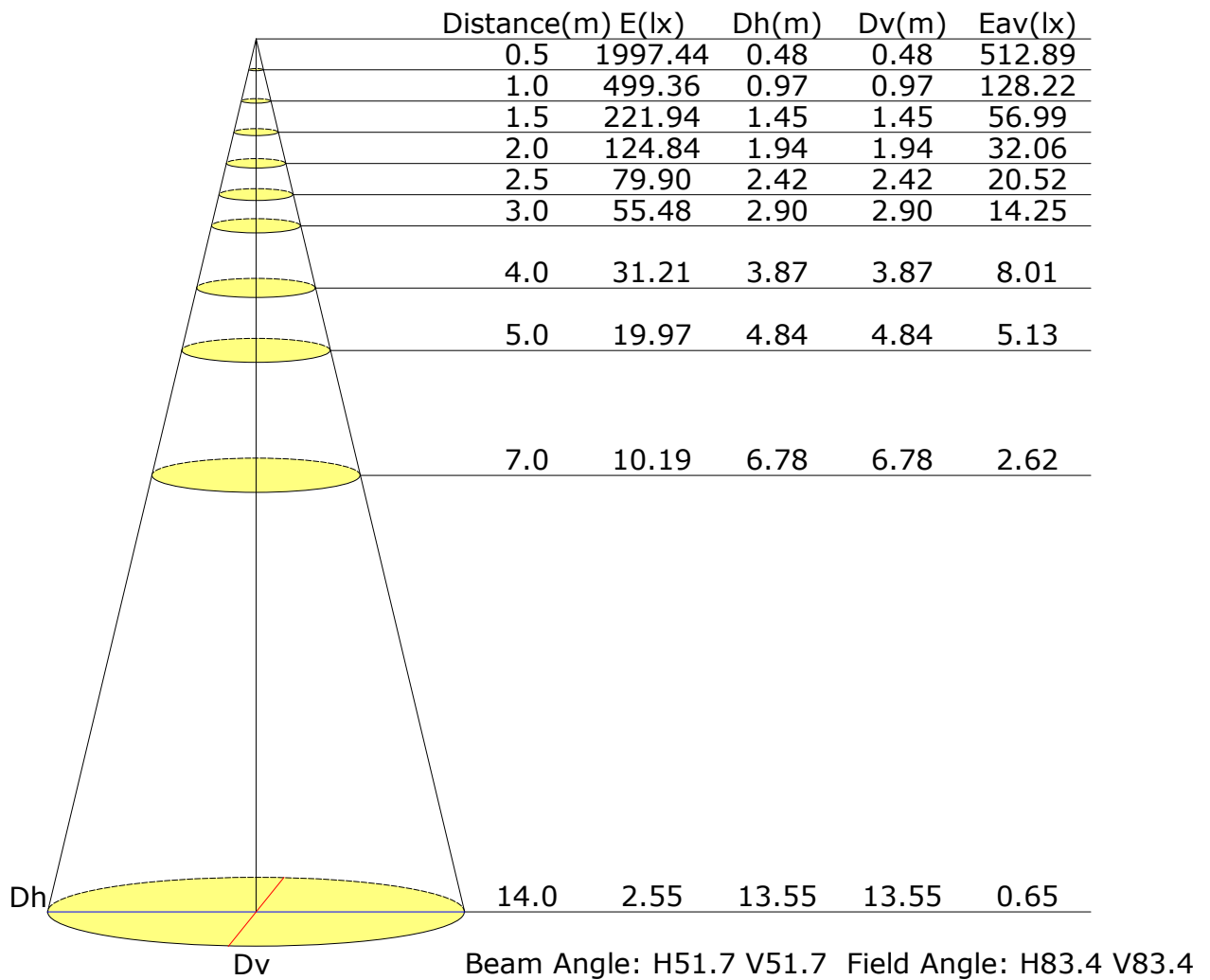
Test Device: CHL-6E

Distance: 3.000 m

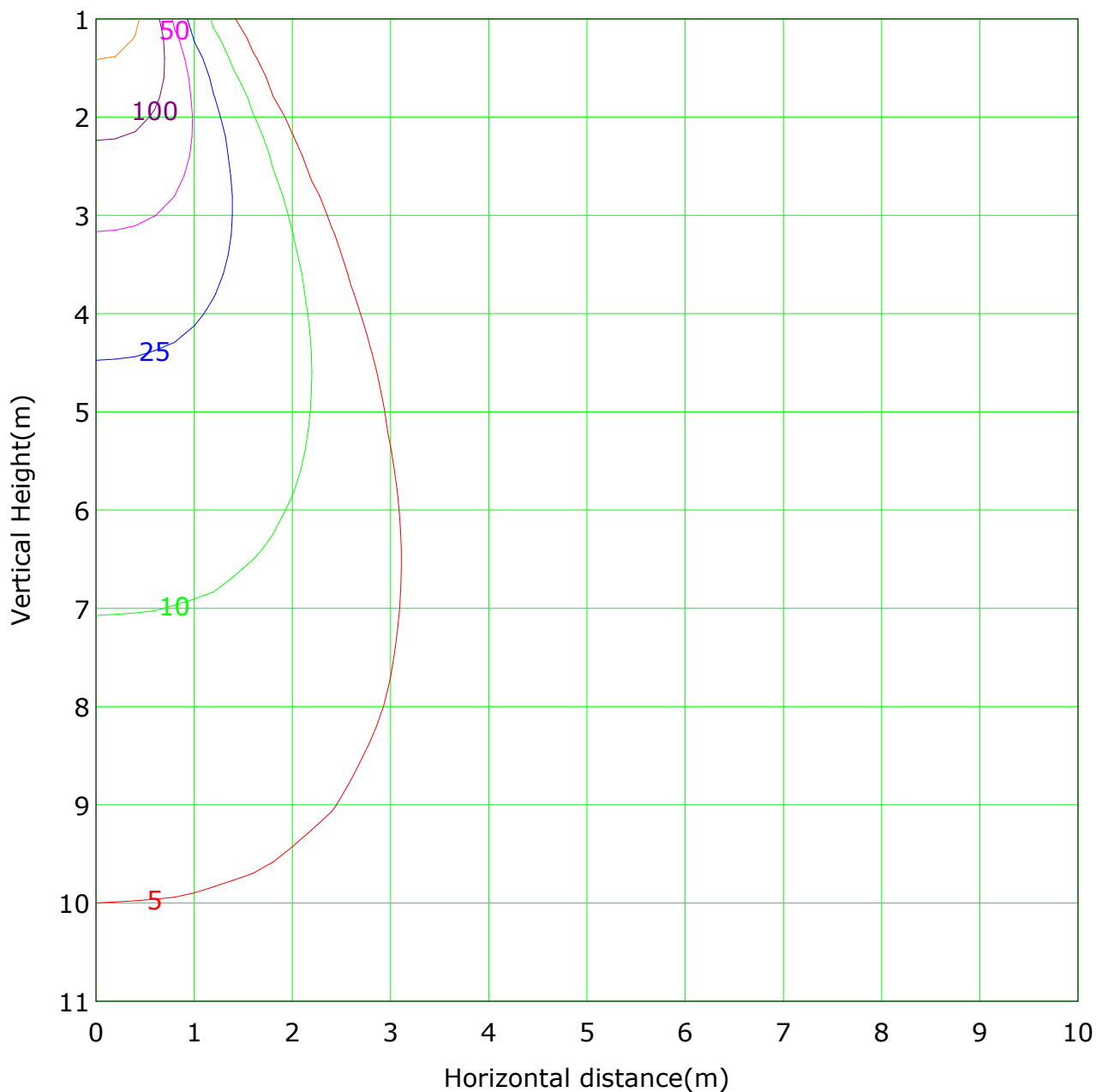
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



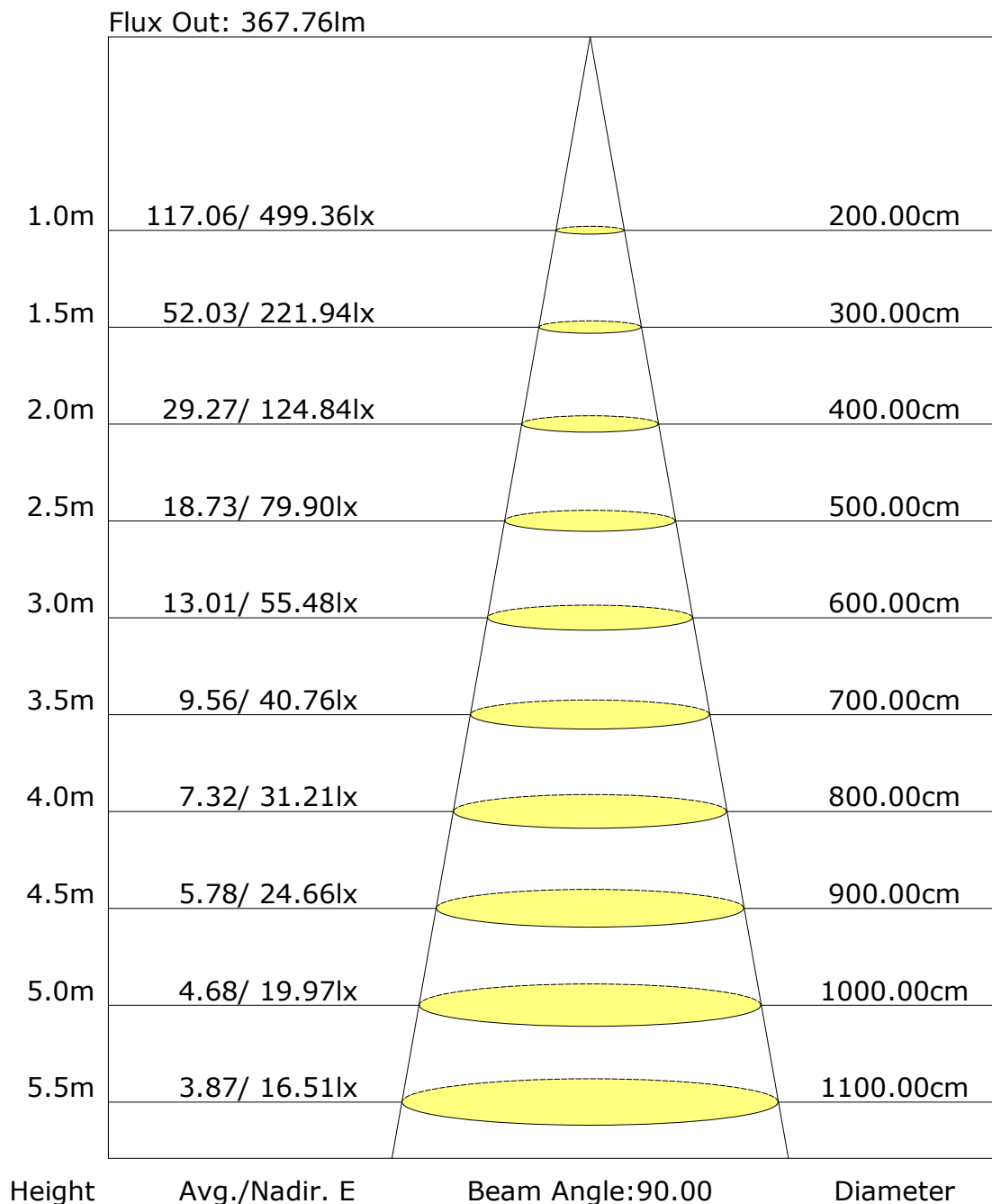
Lowest(m): 1m Highest(m): 11 Max Lux: 499

(1%): 5 lx	(2%): 10 lx
(5%): 25 lx	(10%): 50 lx
(20%): 100 lx	(50%): 250 lx
(100%): 499 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]

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:

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: