

Report No.: 52.07517 SILO Downlight

Test Time: 2023-09-09 10:53

Luminaire Property

Luminaire Category: Bridgelux V10 F90 3000K CRI90

Voltage: 218.0 V

Current: 0.067 A

Power: 13.90 W

Power Factor: 0.949

Photometric Results

CIE Class: Direct

Measurement Flux: 1618.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H52.6

Vertical Diffuse Angle(50%): V52.6

Luminaire Efficacy Rating (LER): 116

Max. Intensity: 2251.29 cd

Total Rated Lamp Lumens: 1618.1 lm

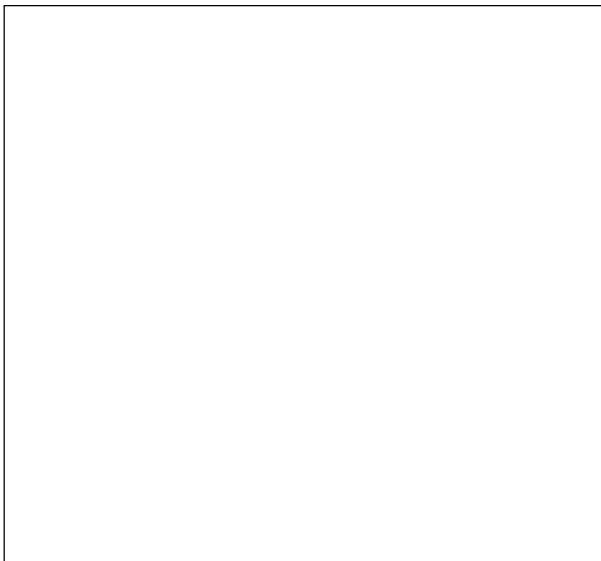
Efficiency: 100%

Upward Ratio: 0%

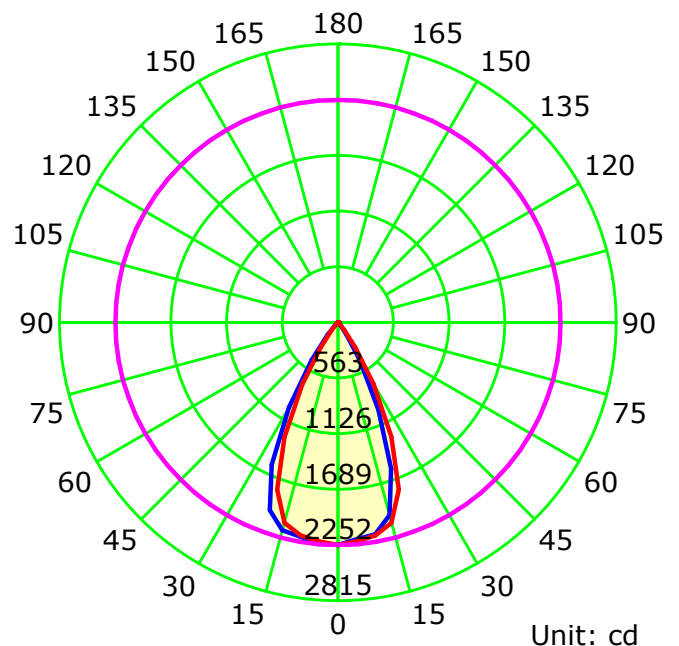
Central Intensity: 2251.28 cd

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

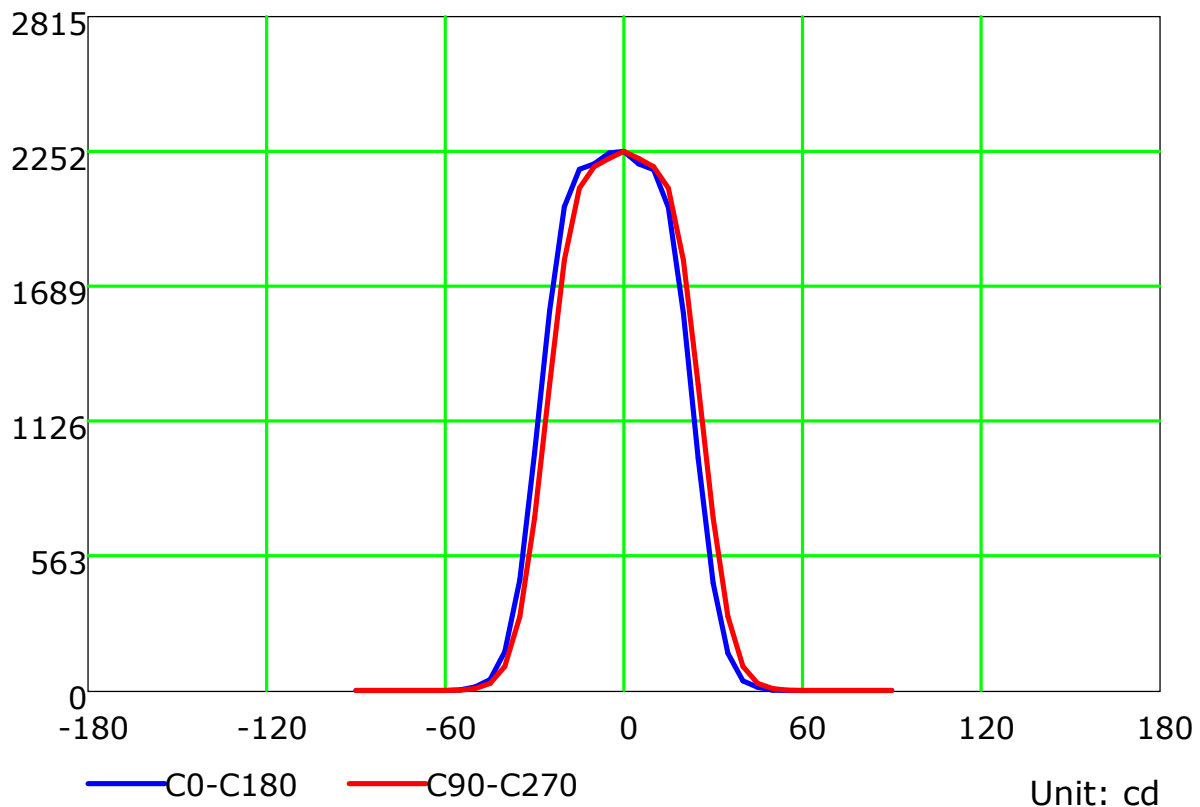
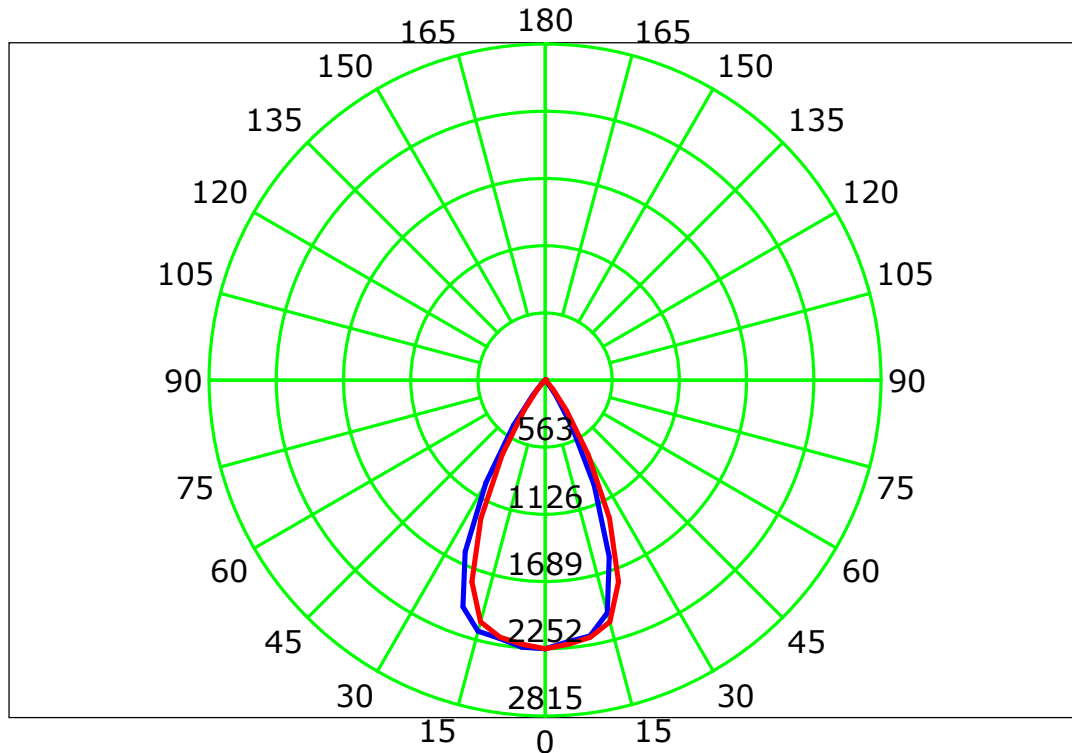
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

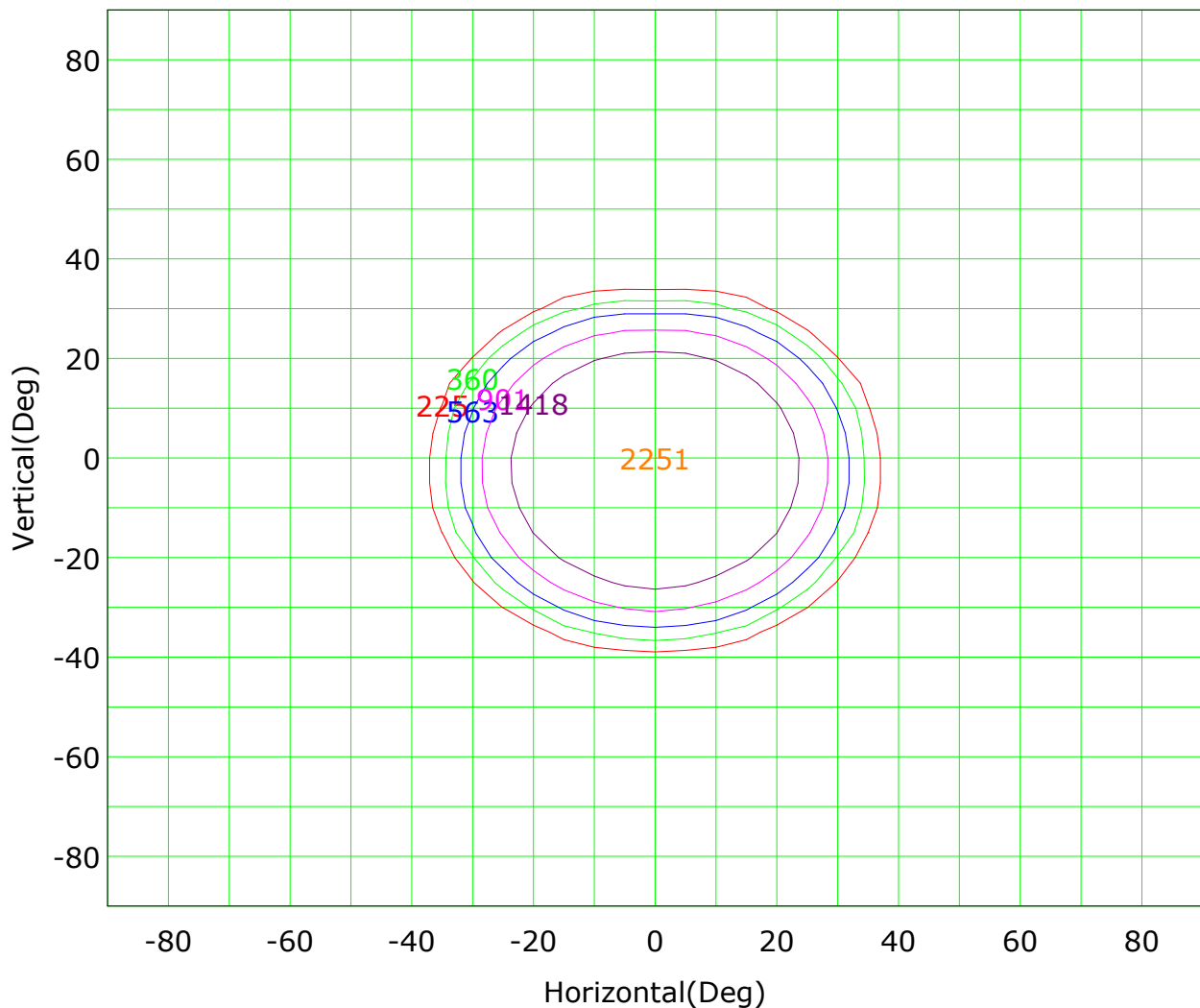
Luminous Intensity Distribution Curve



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%): 2251 cd

(10%): 225 cd	(16%): 360 cd
(25%): 563 cd	(40%): 901 cd
(63%): 1418 cd	(100%): 2251 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

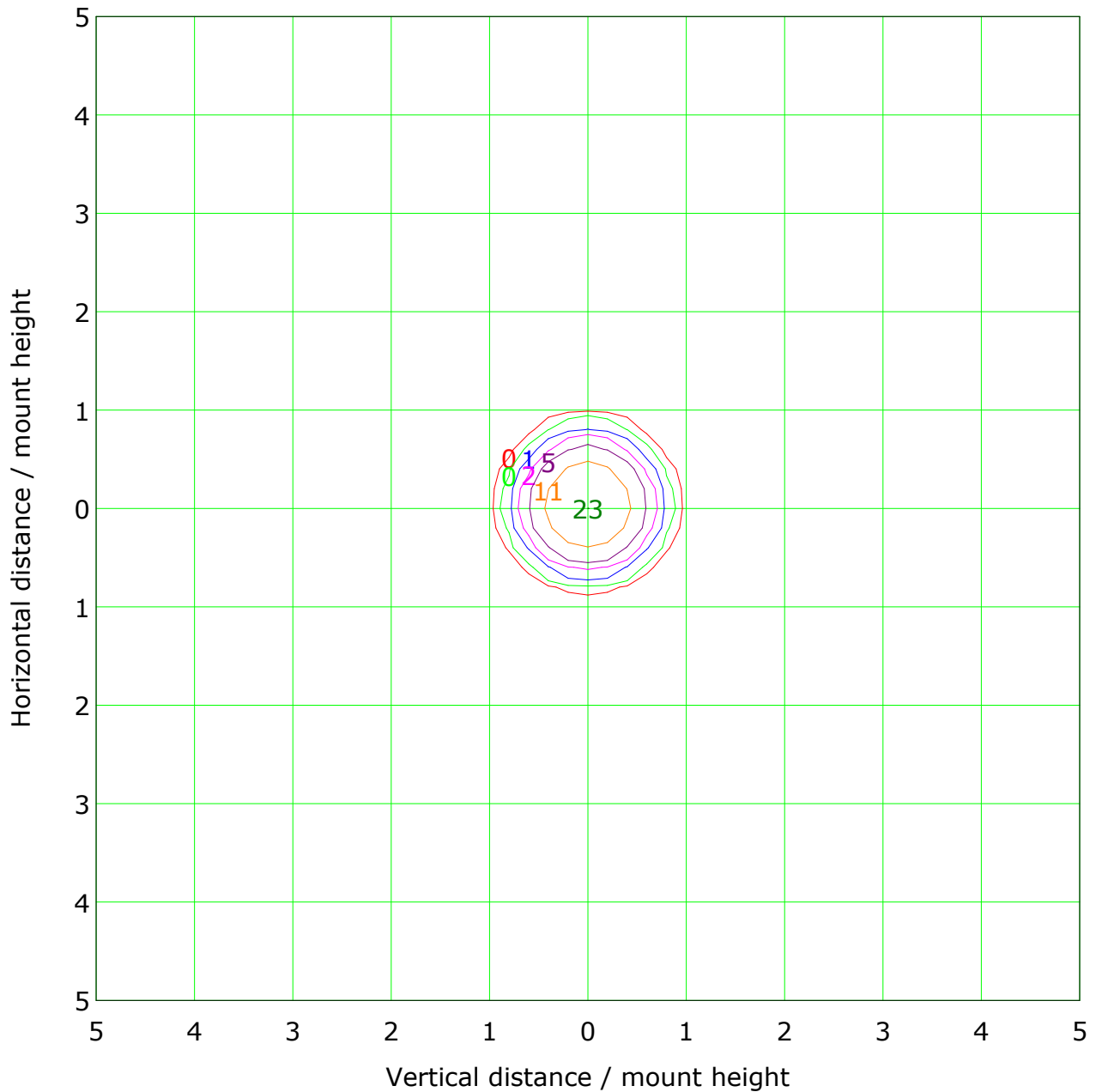
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 23 lx

(1%):	0 lx	(2%):	0 lx
(5%):	1 lx	(10%):	2 lx
(20%):	5 lx	(50%):	11 lx
(100%):	23 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

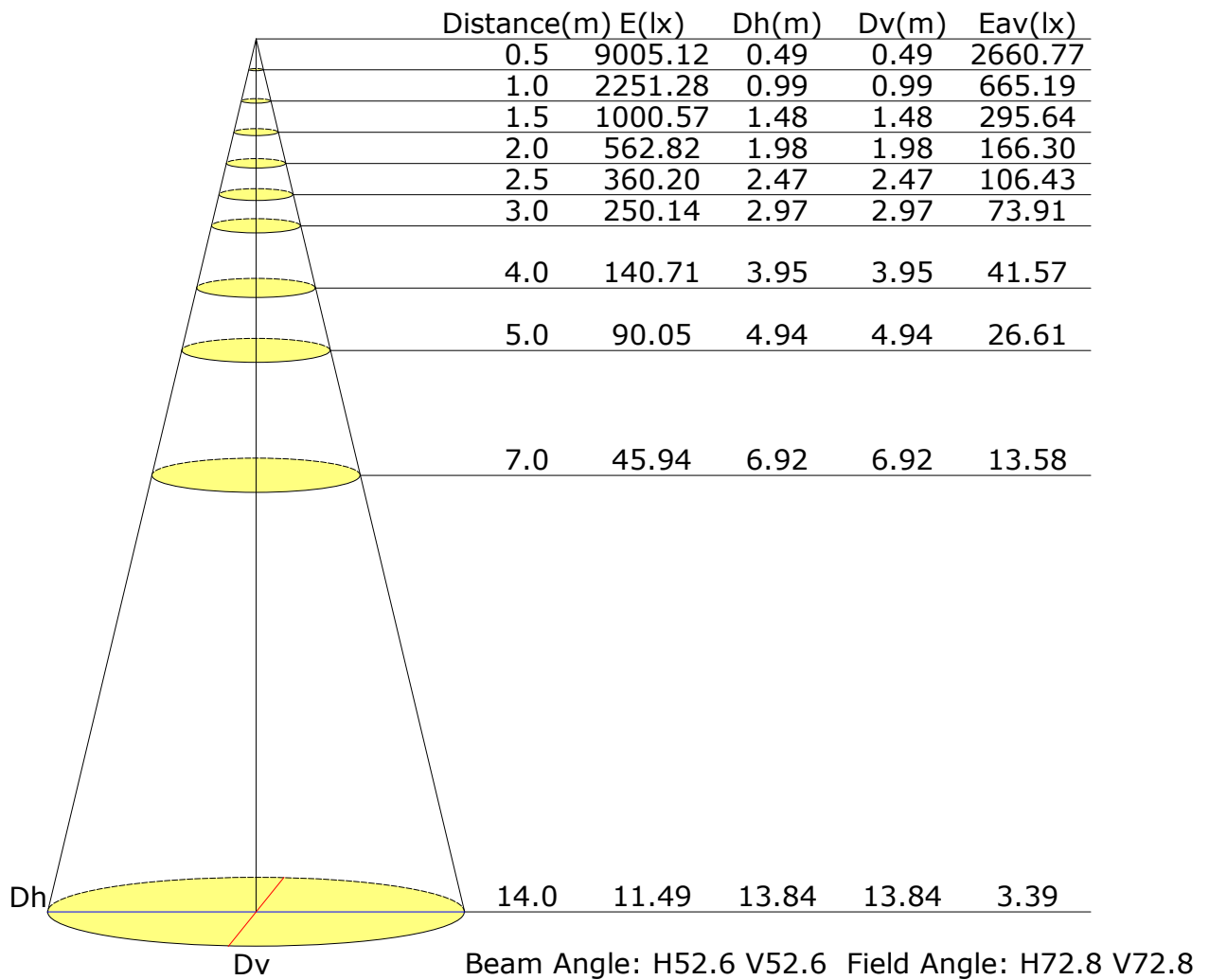
Test Device: CHL-6E

Distance: 3.000 m

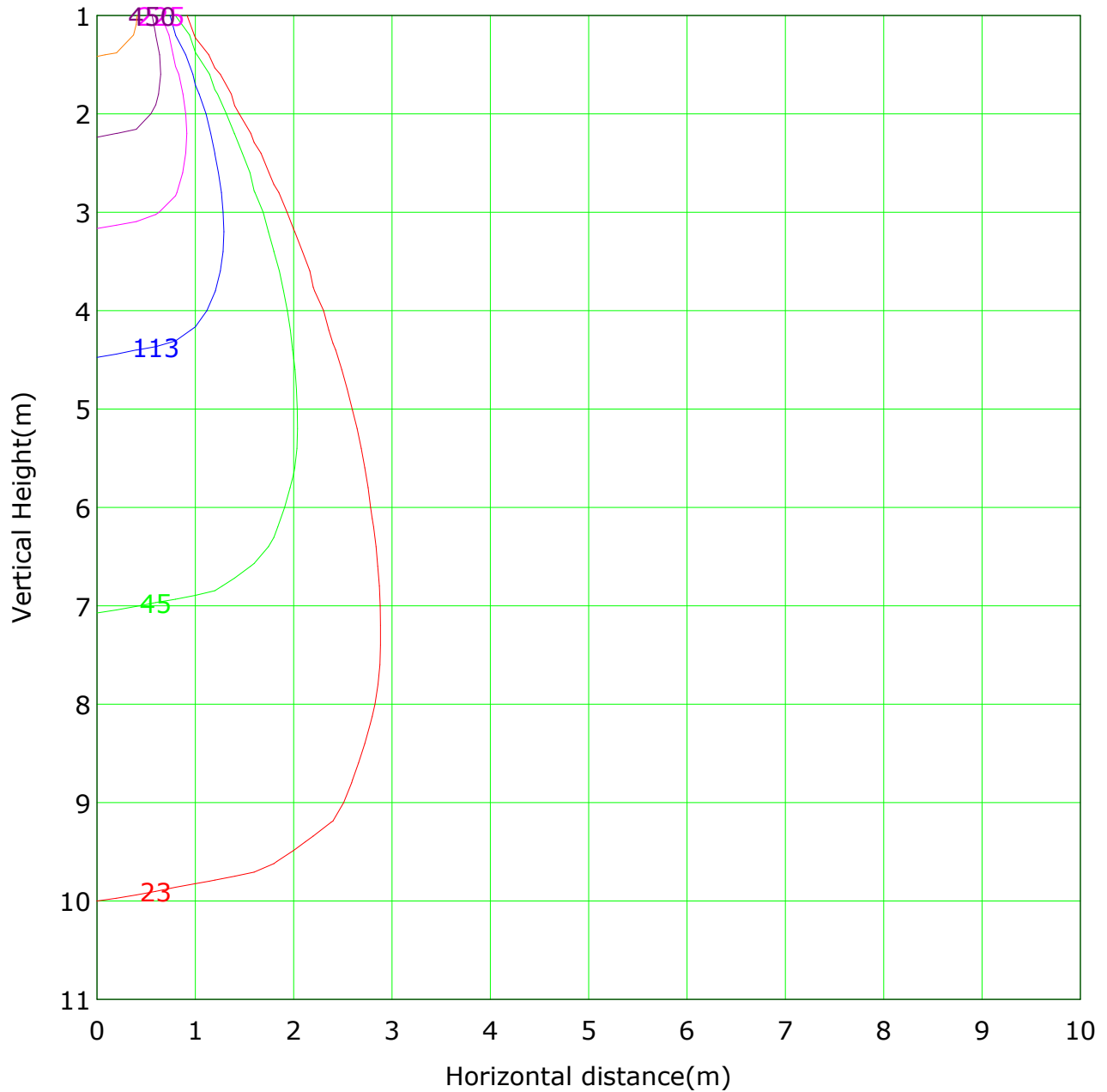
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



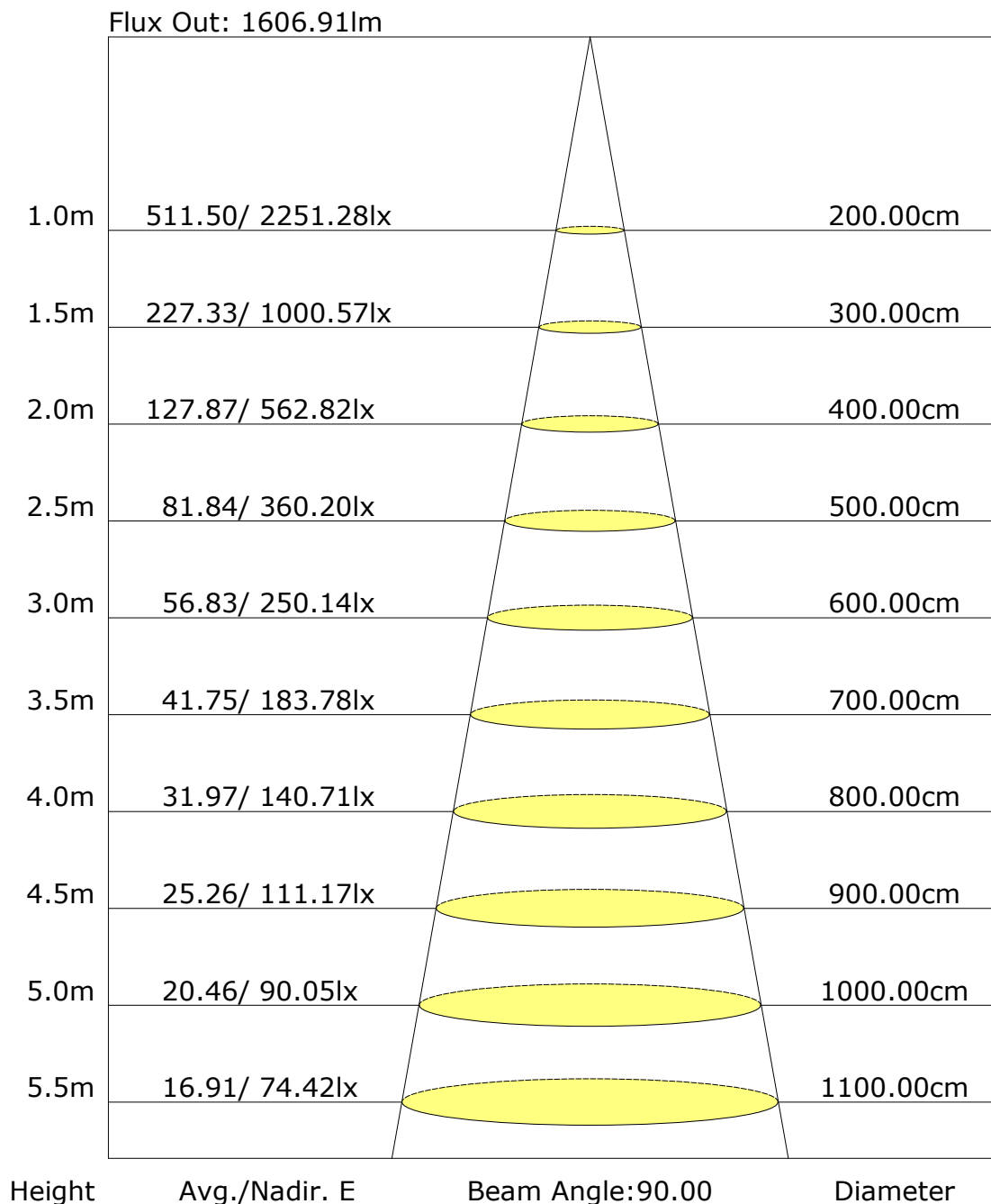
Lowest(m): 1m Highest(m): 11 Max Lux: 2251

(1%): 23 lx	(2%): 45 lx
(5%): 113 lx	(10%): 225 lx
(20%): 450 lx	(50%): 1126 lx
(100%): 2251 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: