

Report No.: 52.08011 ECO Downlight

Test Time: 2023-10-06 16:11

Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 225.4 V

Current: 0.091 A

Power: 19.60 W

Power Factor: 0.955

Photometric Results

CIE Class: Direct

Measurement Flux: 2050.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H58.2

Vertical Diffuse Angle(50%): V58.2

Luminaire Efficacy Rating (LER): 105

Max. Intensity: 2365.68 cd

Total Rated Lamp Lumens: 2050.3 lm

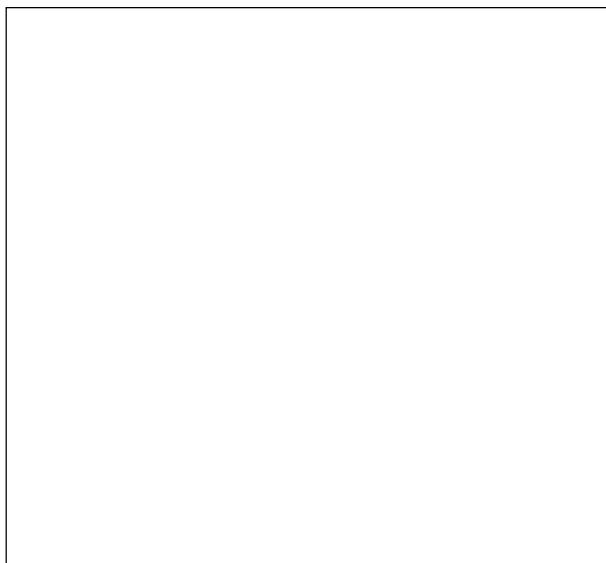
Efficiency: 100%

Upward Ratio: 0%

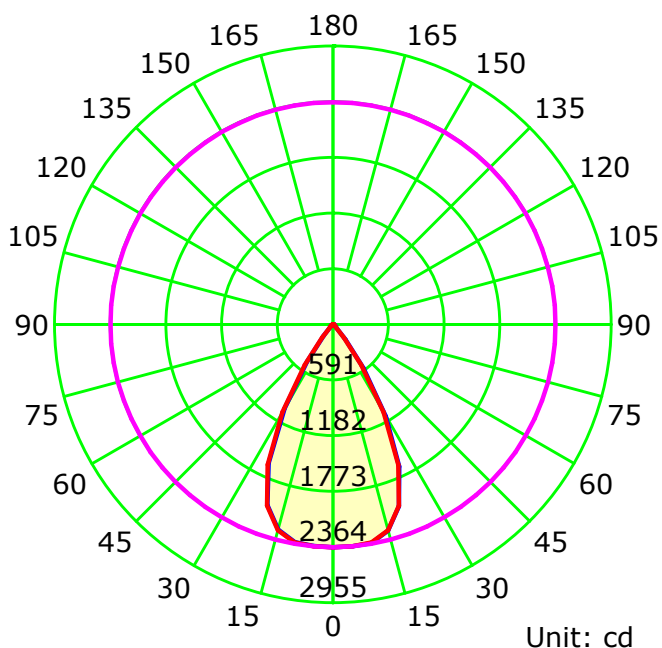
Central Intensity: 2364.06 cd

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

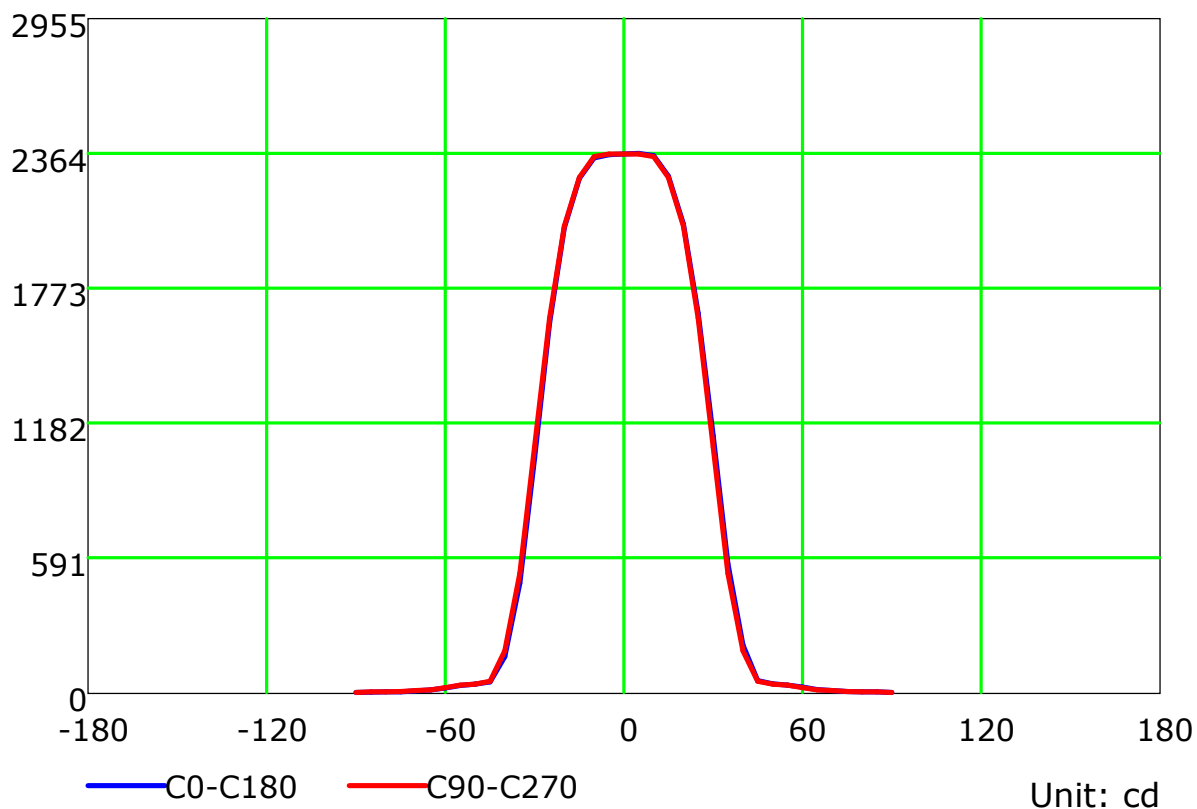
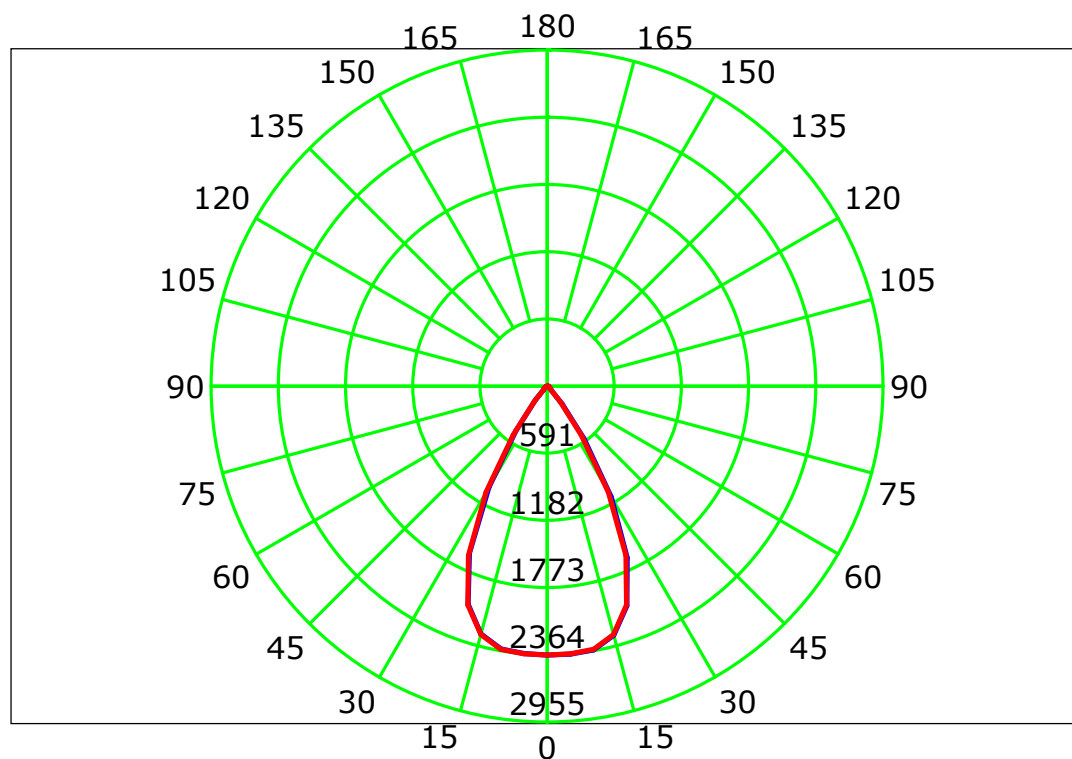
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

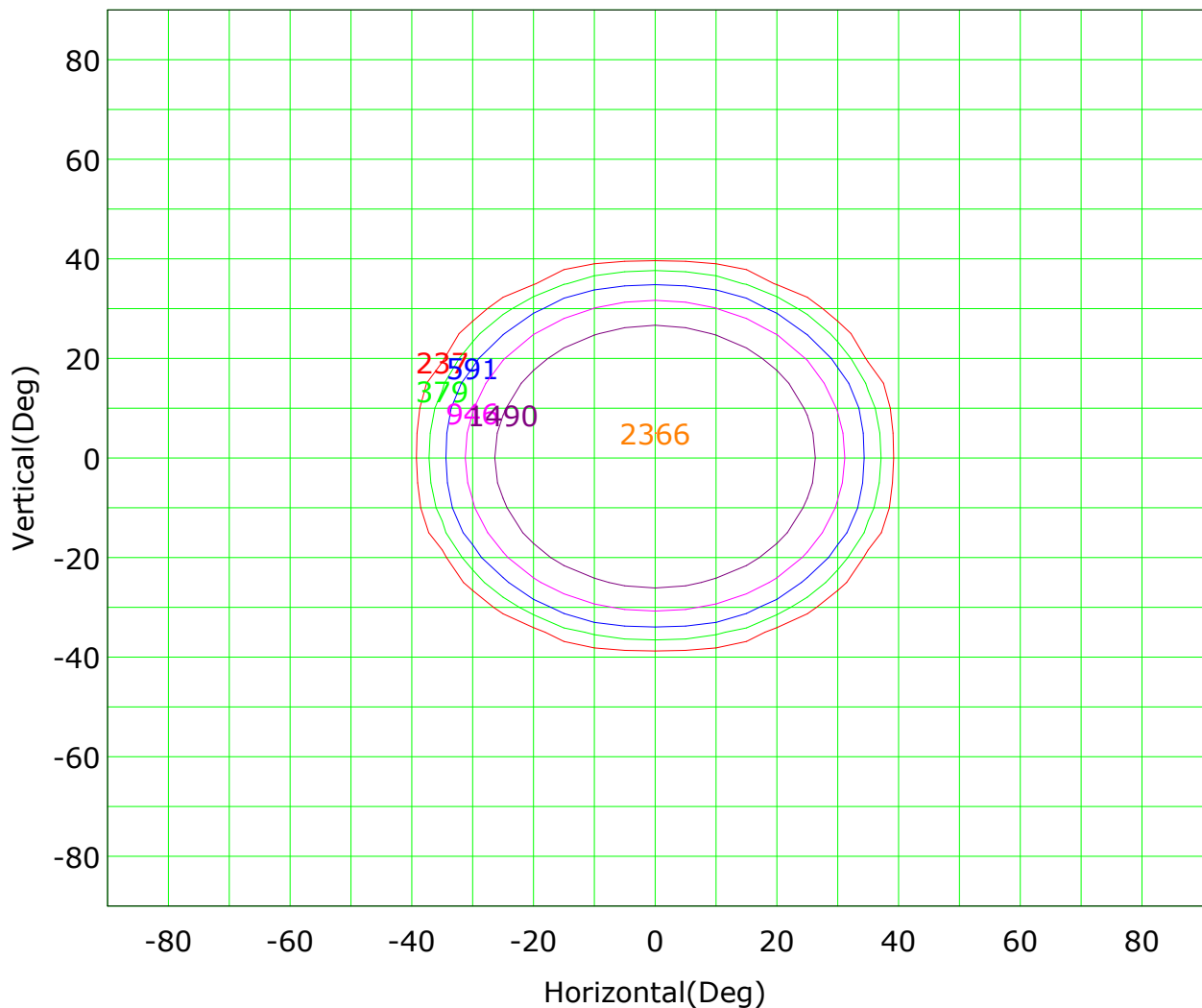
Luminous Intensity Distribution Curve



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%): 2366 cd

(10%): 237 cd	(16%): 379 cd
(25%): 591 cd	(40%): 946 cd
(63%): 1490 cd	(100%): 2366 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

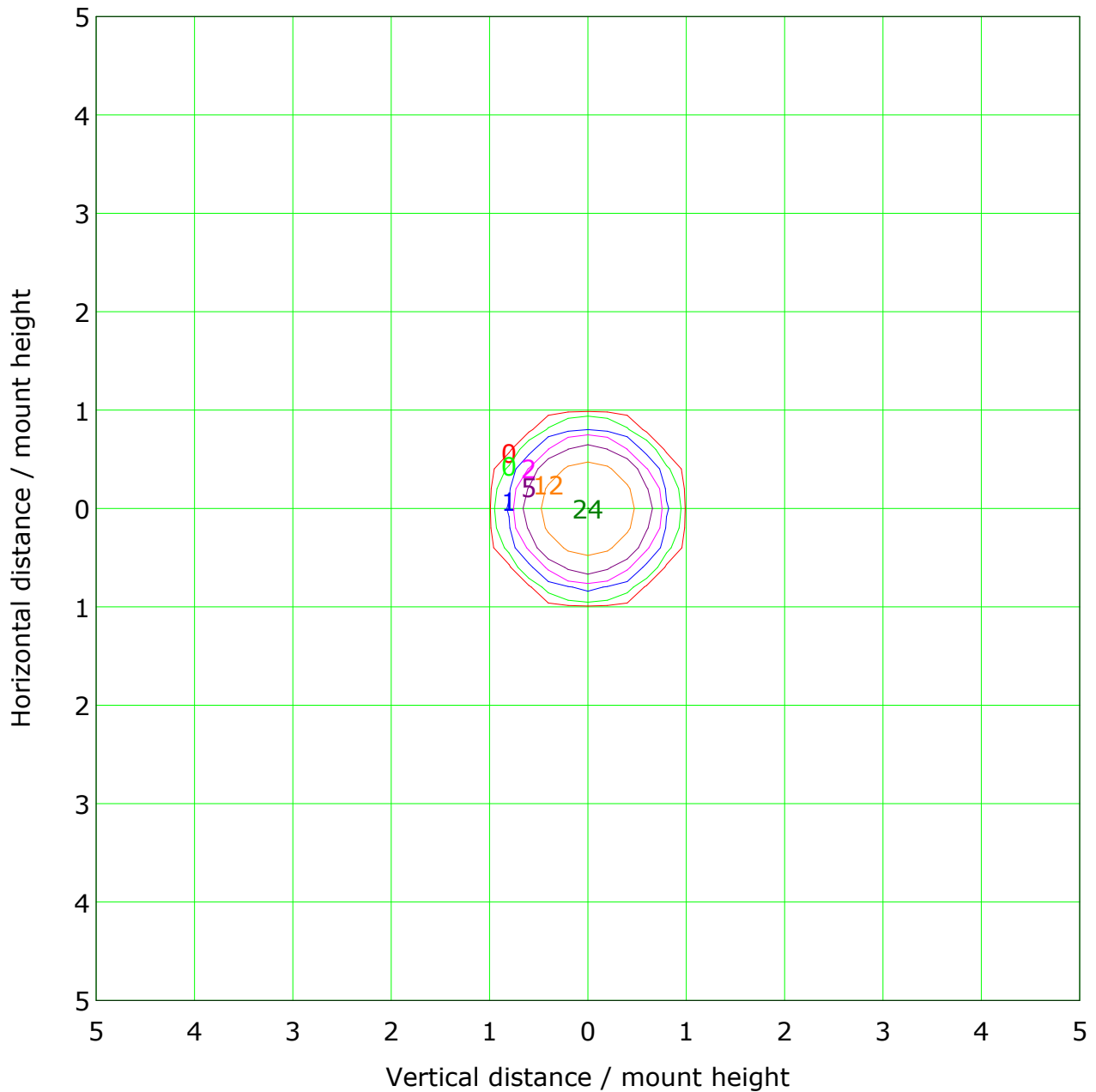
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 24 lx	
(1%):	0 lx	(2%):	0 lx
(5%):	1 lx	(10%):	2 lx
(20%):	5 lx	(50%):	12 lx
(100%):	24 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

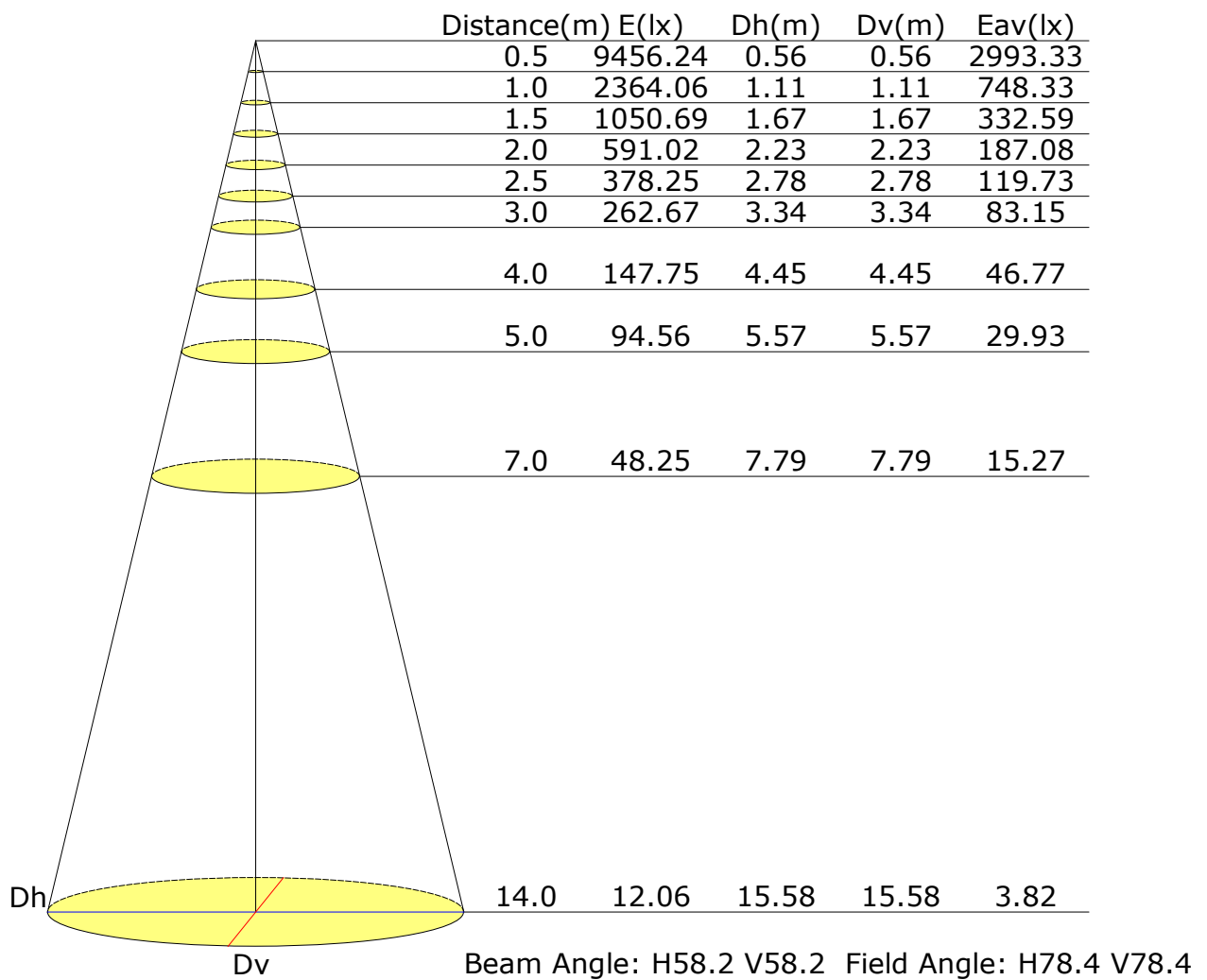
Test Device: CHL-6E

Distance: 3.000 m

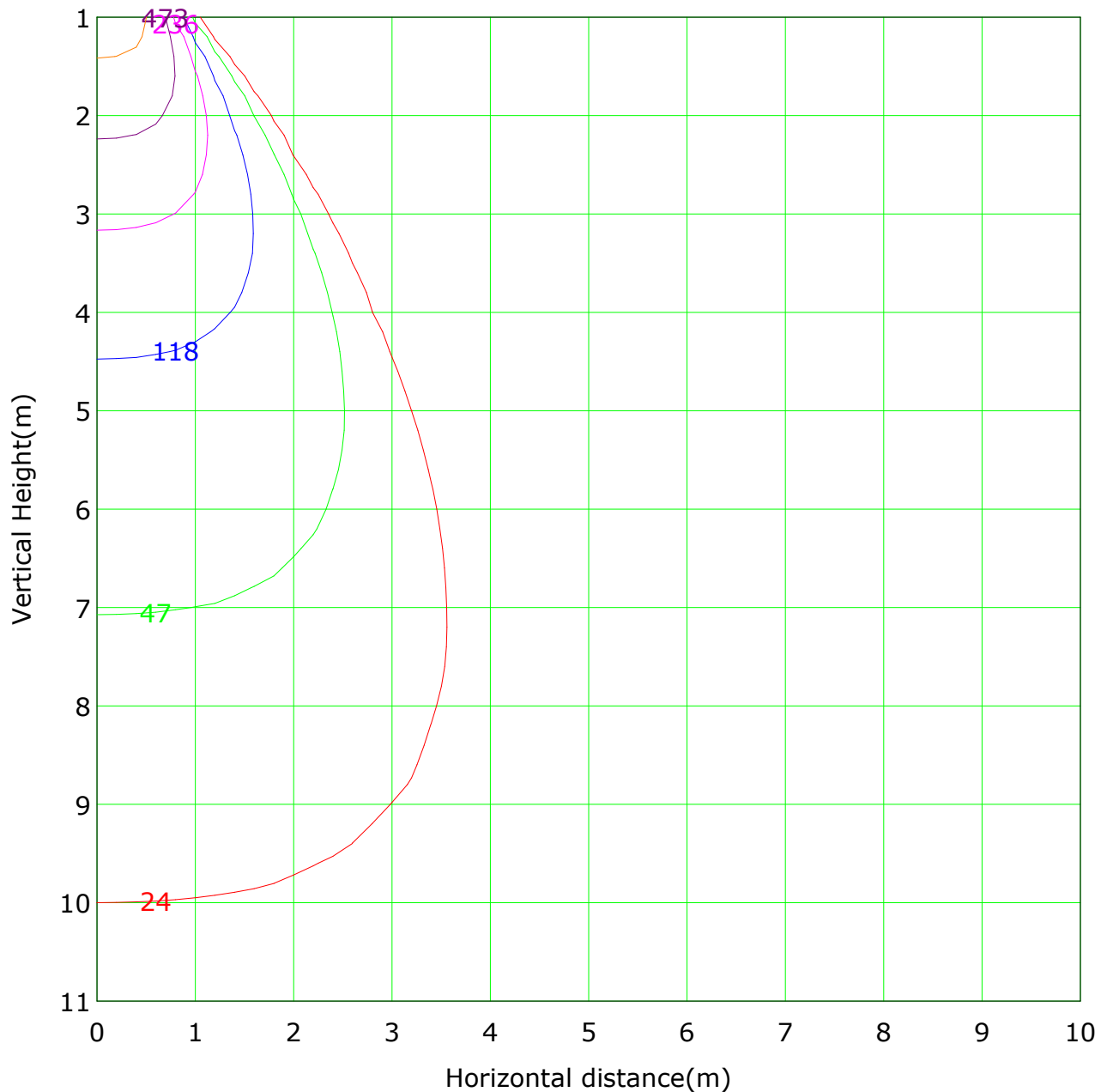
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



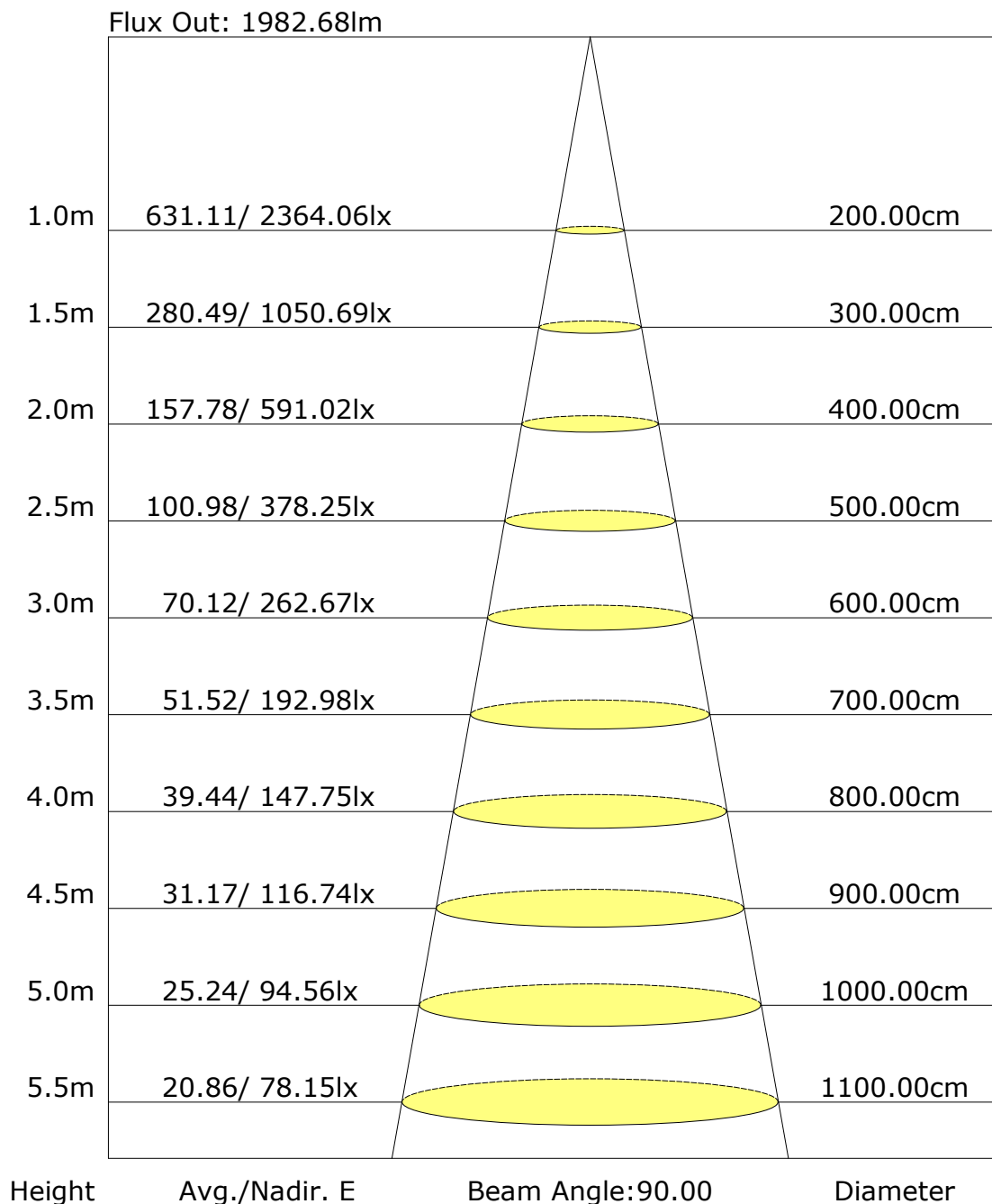
Lowest(m): 1m Highest(m): 11 Max Lux: 2364

(1%): 24 lx	(2%): 47 lx
(5%): 118 lx	(10%): 236 lx
(20%): 473 lx	(50%): 1182 lx
(100%): 2364 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: