

Report No.: 52.08011 ECO Downlight

Test Time: 2023-10-06 15:59

Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 221.5 V

Current: 0.093 A

Power: 19.80 W

Power Factor: 0.960

Photometric Results

CIE Class: Direct

Measurement Flux: 2119.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H16.6

Vertical Diffuse Angle(50%): V16.6

Luminaire Efficacy Rating (LER): 107

Max. Intensity: 15892.26 cd

Total Rated Lamp Lumens: 2119.6 lm

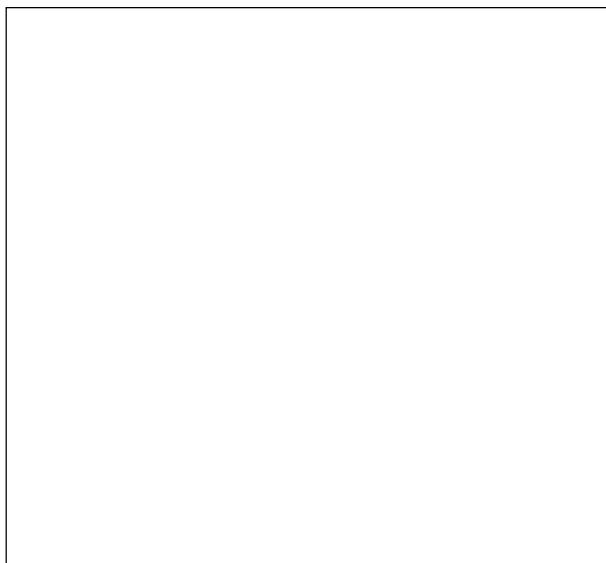
Efficiency: 100%

Upward Ratio: 0%

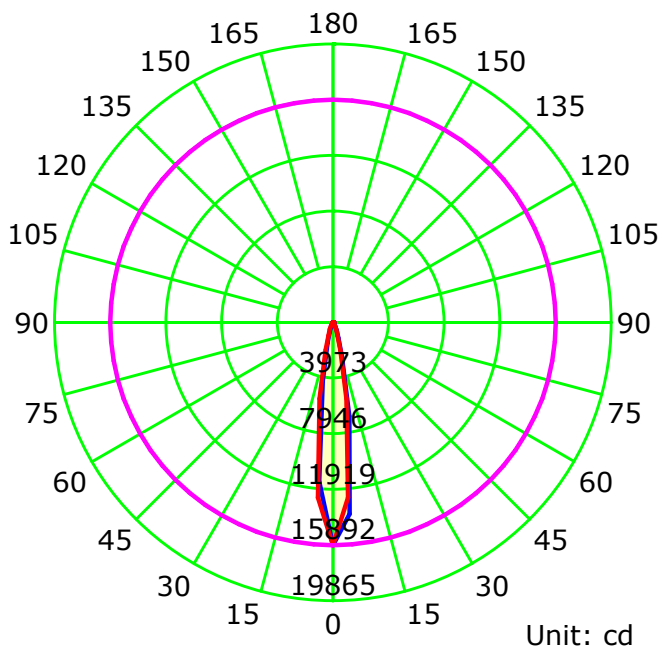
Central Intensity: 15892.26 cd

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

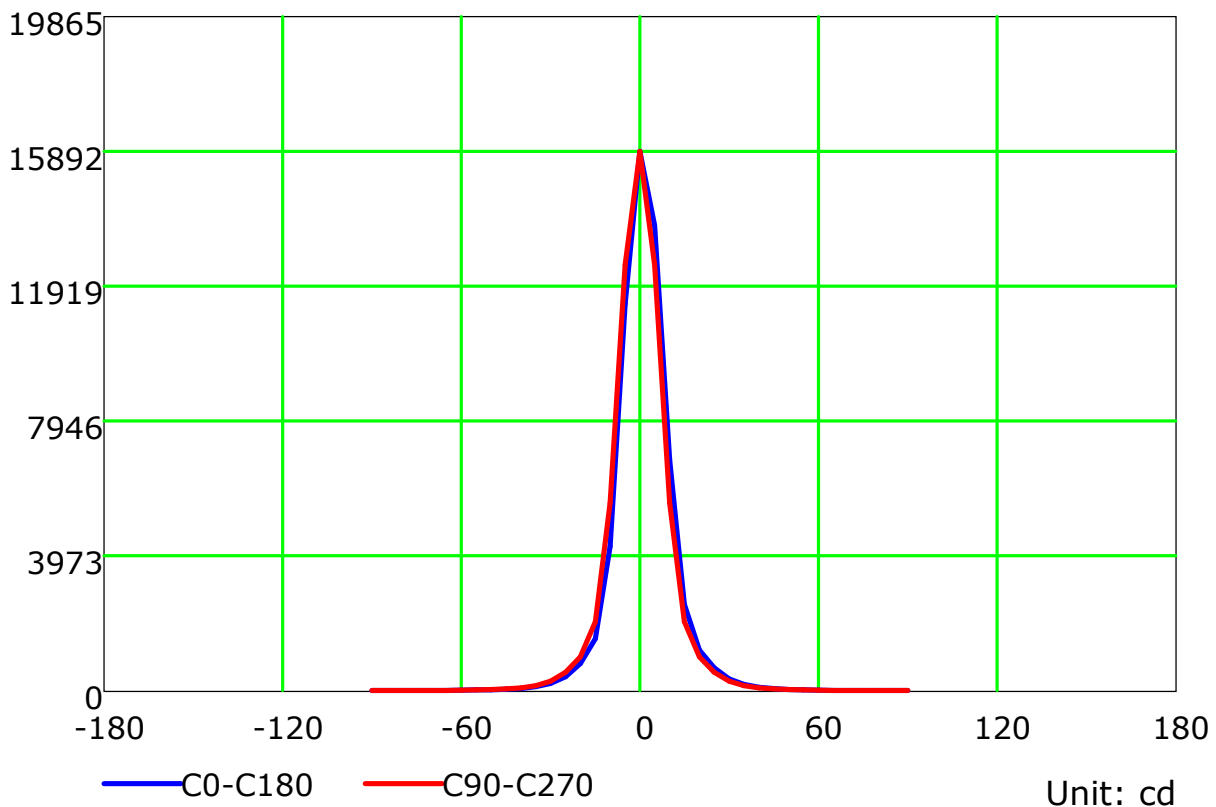
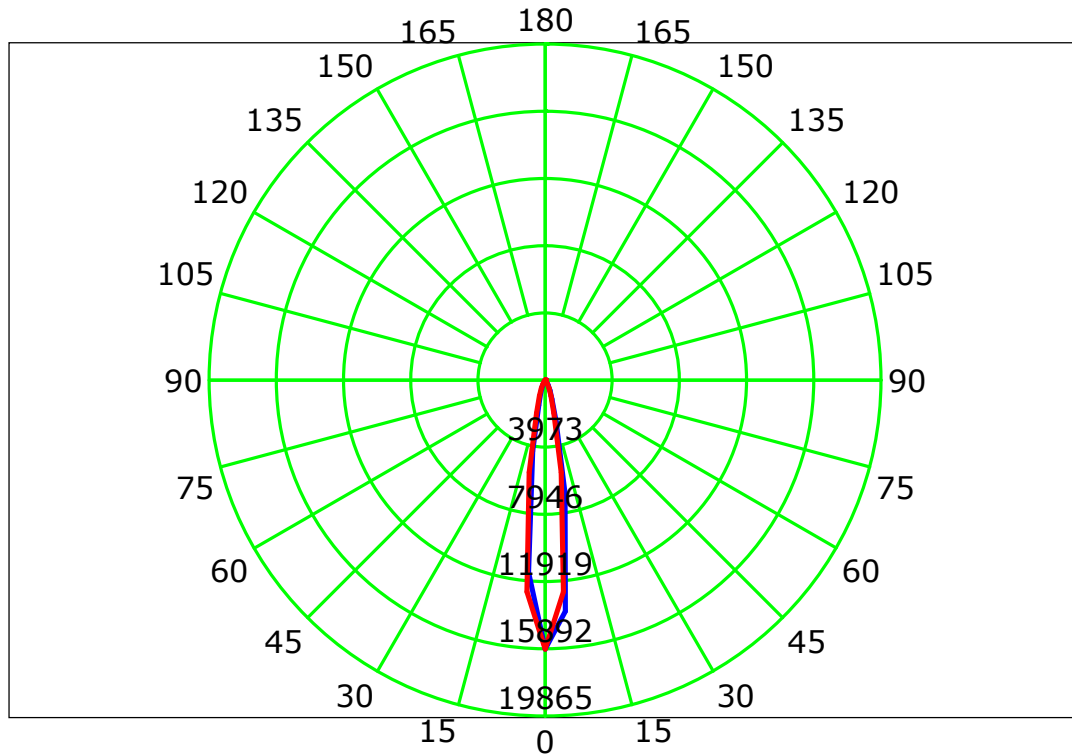
Test Device: CHL-6E

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

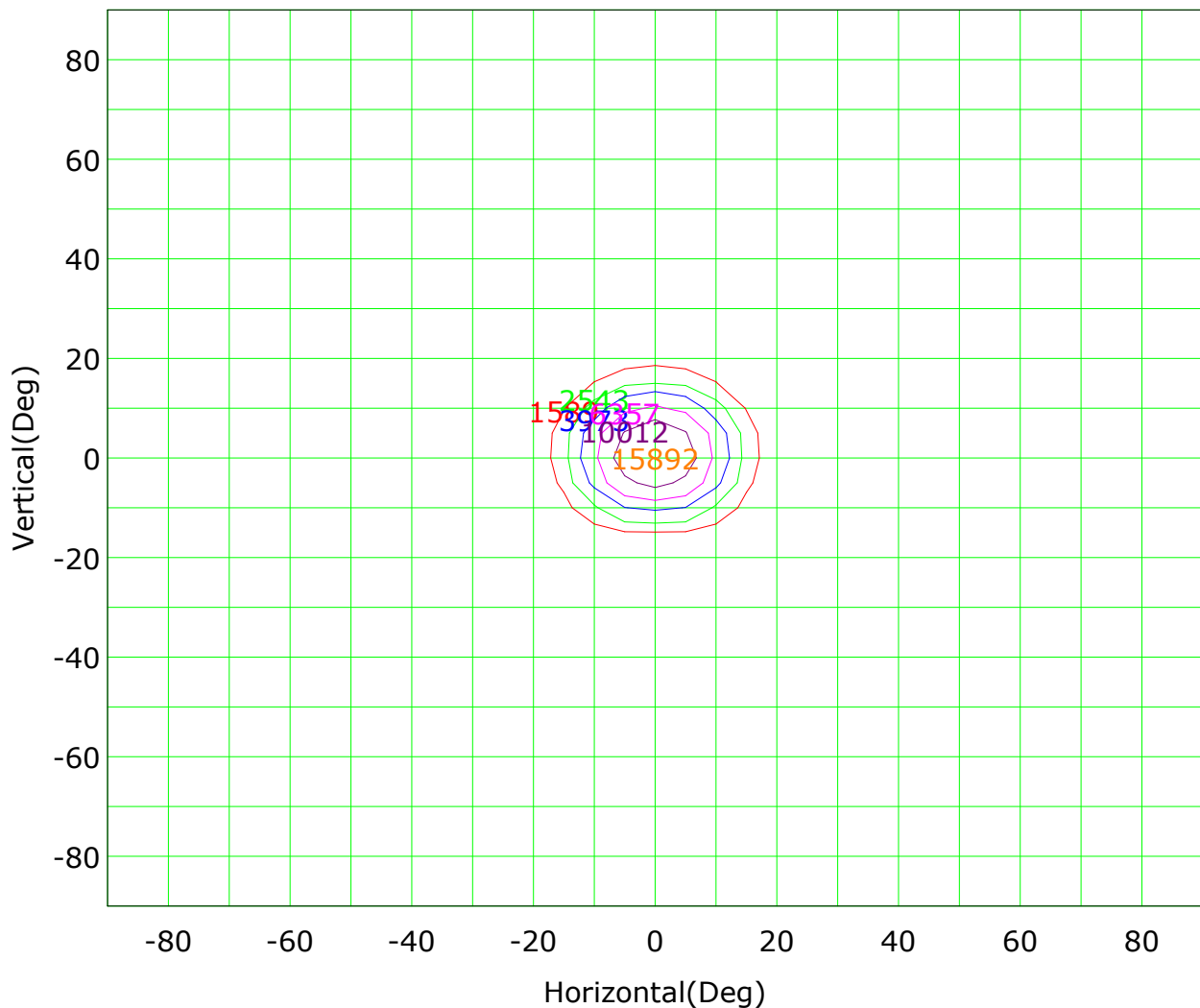
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 15892 cd

(10%): 1589 cd	(16%): 2543 cd
(25%): 3973 cd	(40%): 6357 cd
(63%): 10012 cd	(100%): 15892 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

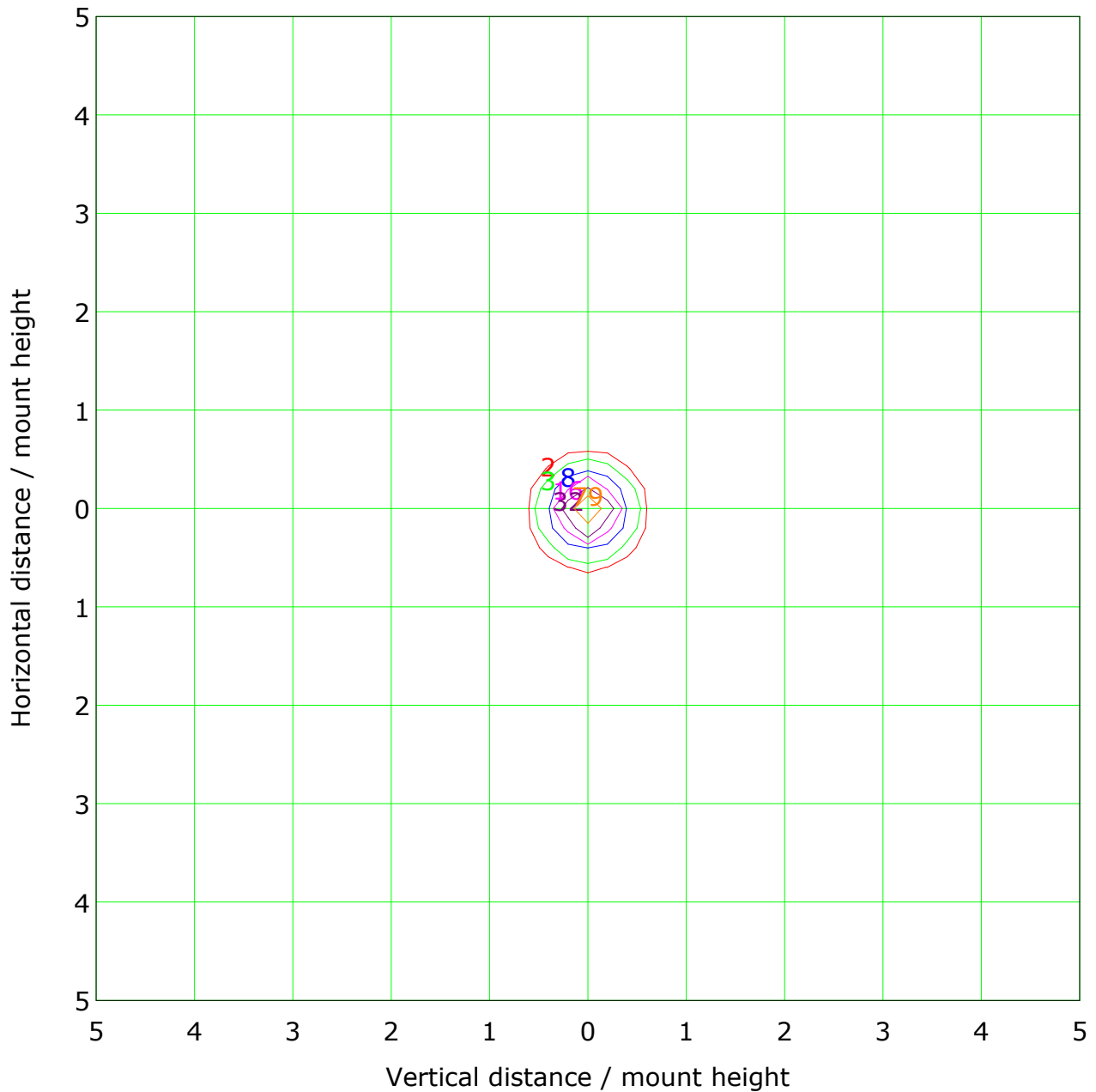
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 159 lx	
— (1%):	2 lx	— (2%):	3 lx
— (5%):	8 lx	— (10%):	16 lx
— (20%):	32 lx	— (50%):	79 lx
— (100%):	159 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

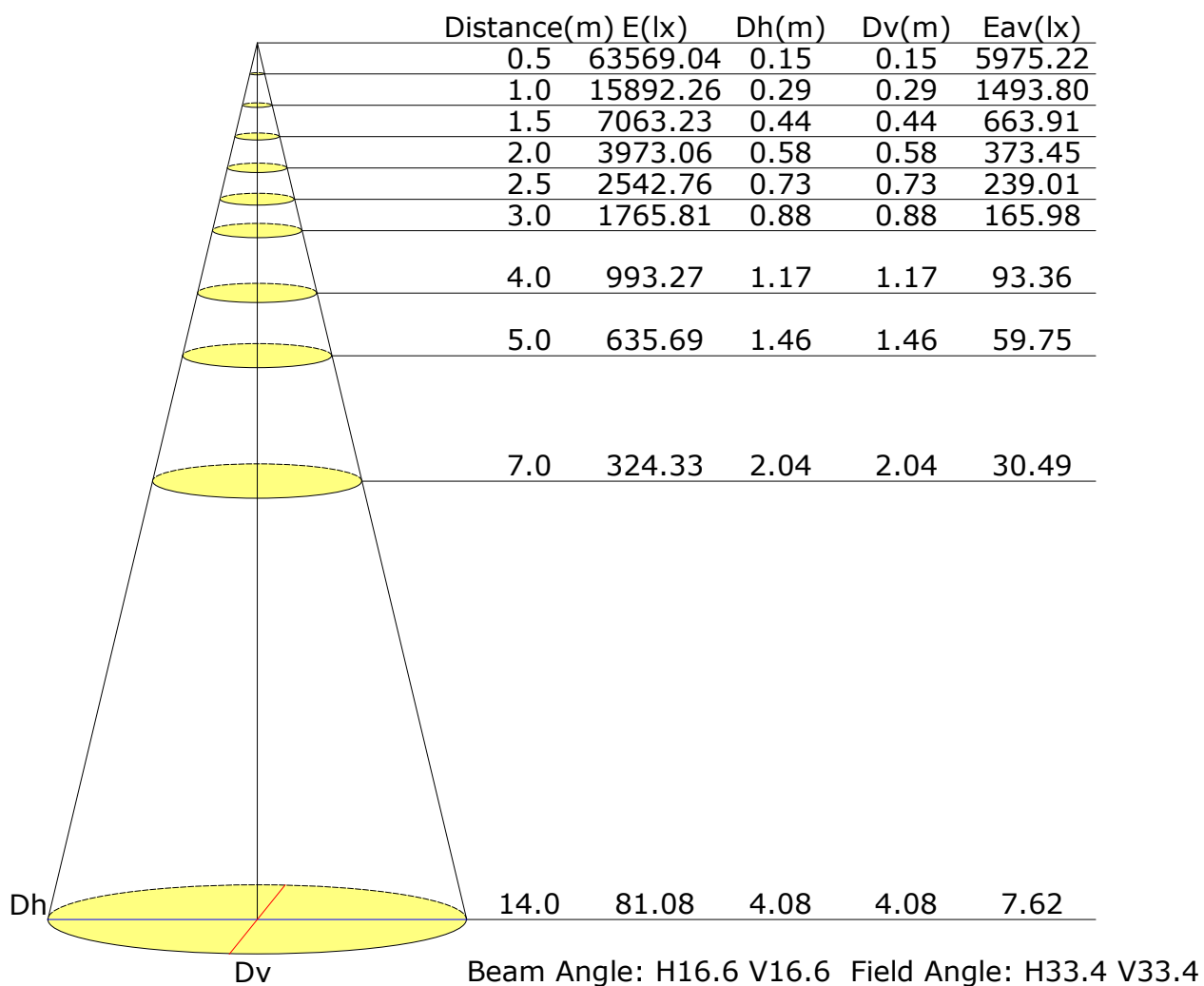
Test Device: CHL-6E

Distance: 3.000 m

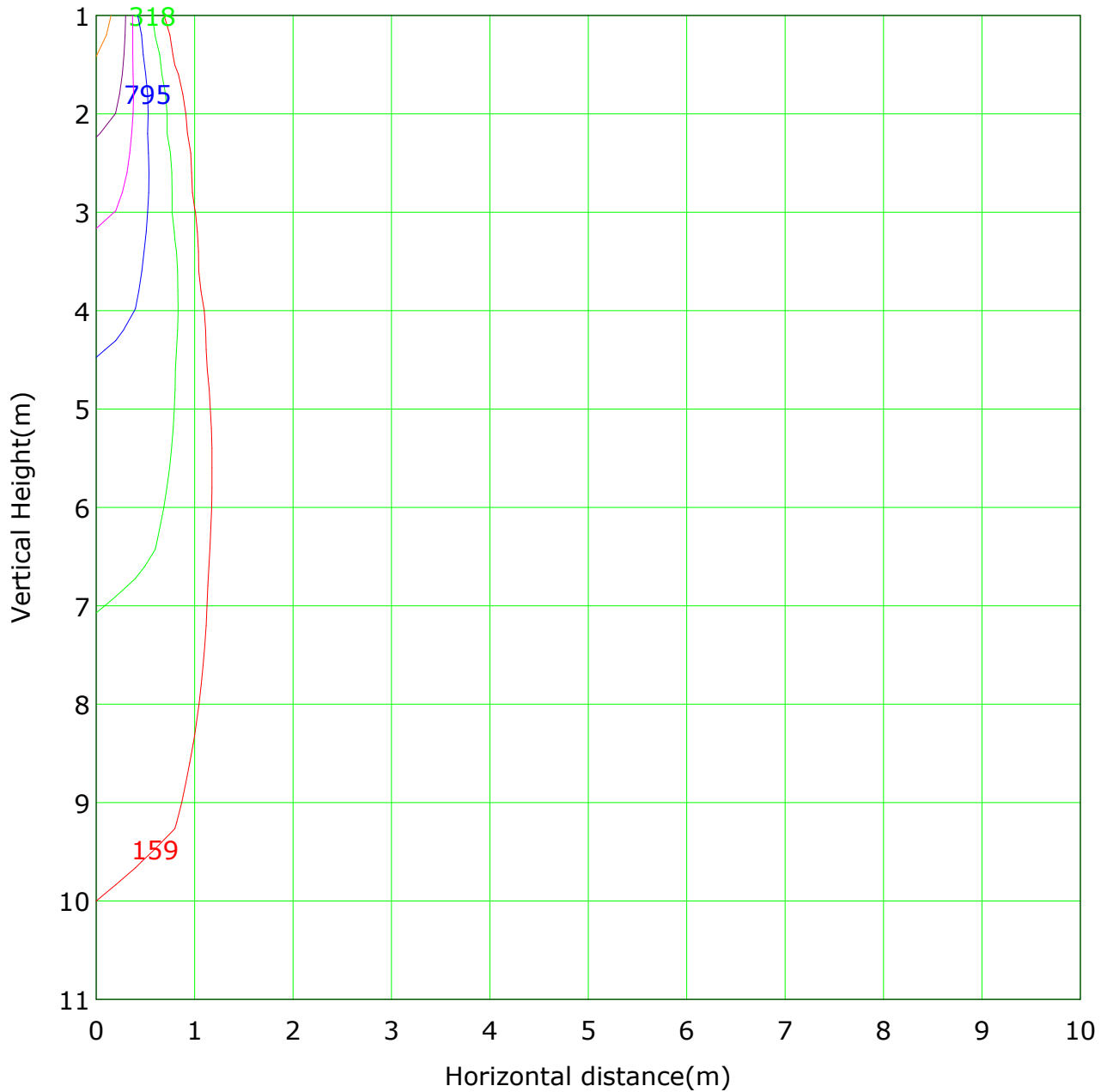
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

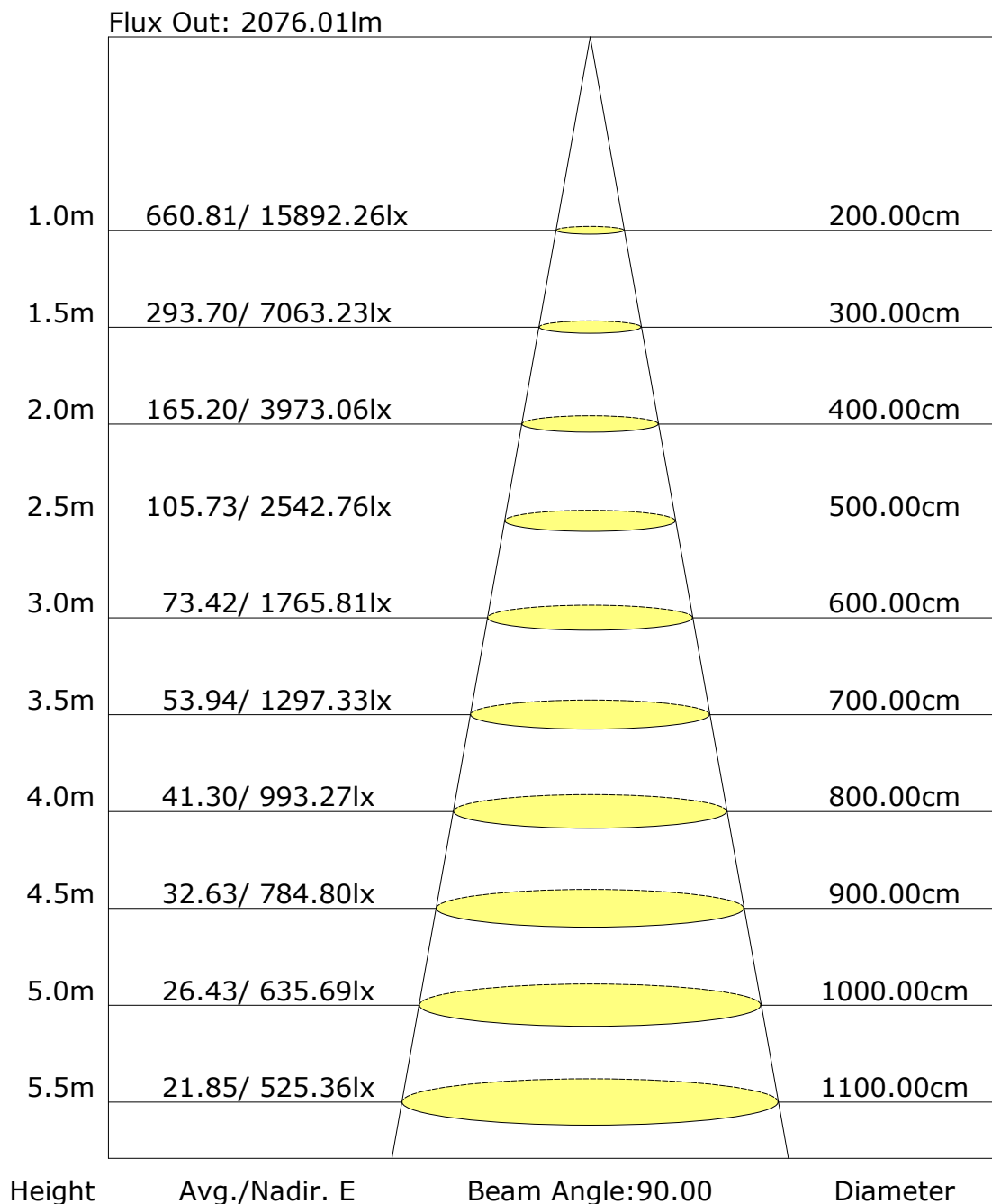


Lowest(m): 1m Highest(m): 11 Max Lux: 15892
— (1%): 159 lx — (2%): 318 lx
— (5%): 795 lx — (10%): 1589 lx
— (20%): 3178 lx — (50%): 7946 lx
— (100%): 15892 lx

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: