

Report No.: 93.08011

Test Time: 2023-10-04 11:55

Luminaire Property

Luminaire Category: Bridgelux V13C F90 3000K CRI90

Voltage: 221.2 V

Current: 0.144 A

Power: 30.80 W

Power Factor: 0.961

Photometric Results

CIE Class: Direct

Measurement Flux: 3843.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H32.6

Vertical Diffuse Angle(50%): V32.6

Luminaire Efficacy Rating (LER): 125

Max. Intensity: 11860.45 cd

Total Rated Lamp Lumens: 3843.1 lm

Efficiency: 100%

Upward Ratio: 0%

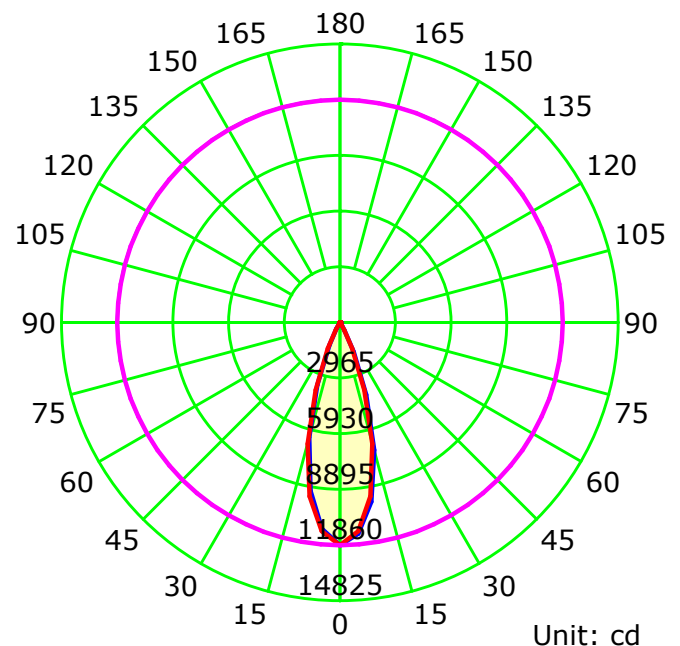
Central Intensity: 11860.44 cd

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

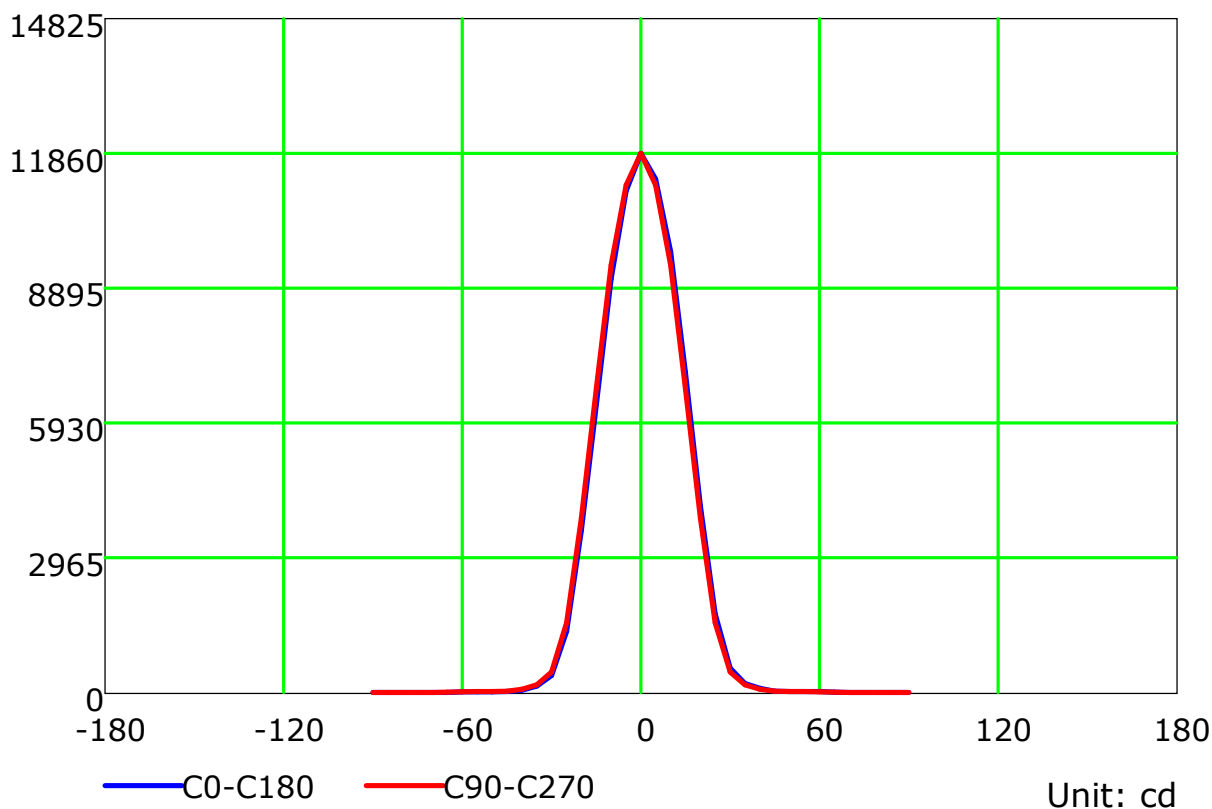
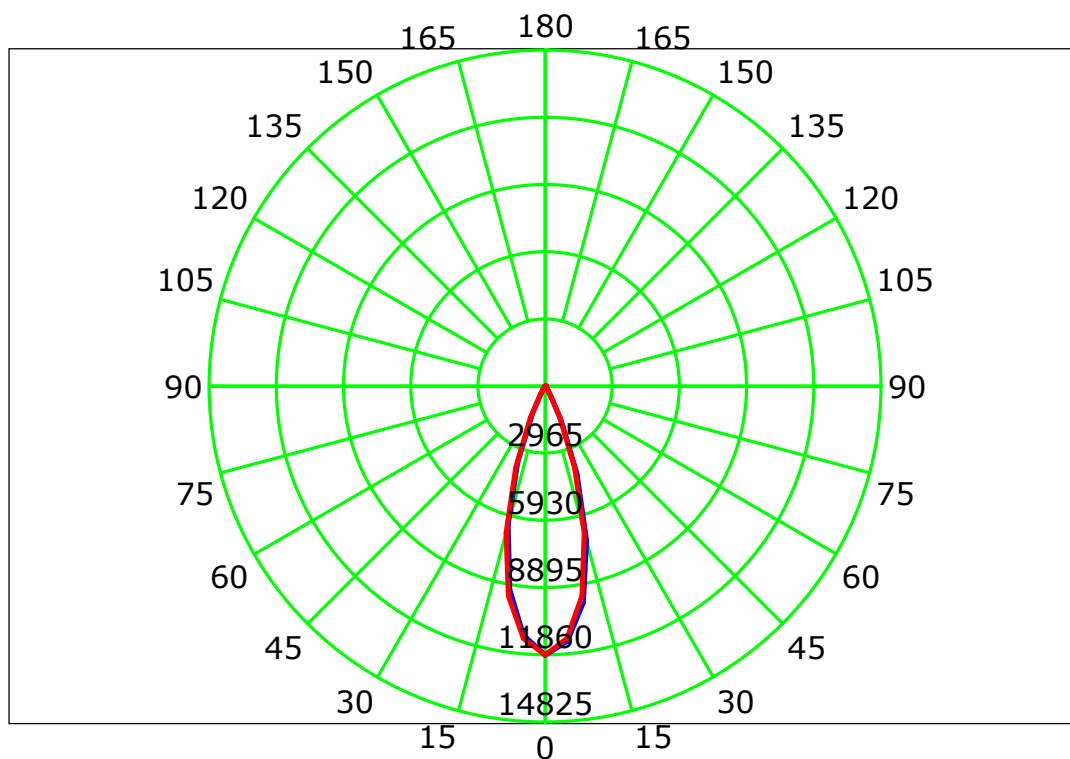
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

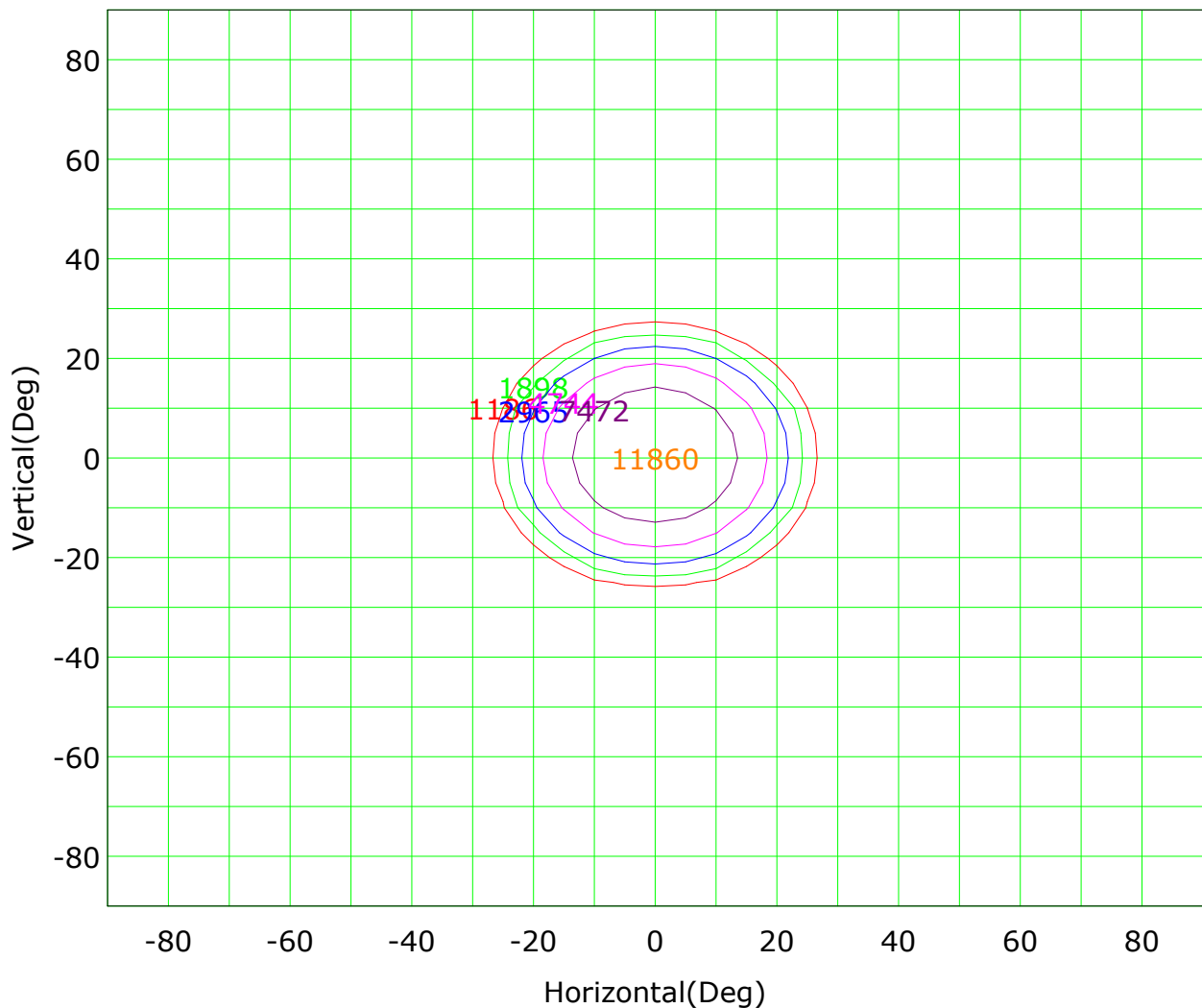
Luminous Intensity Distribution Curve



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%): 11860 cd

(10%): 1186 cd	(16%): 1898 cd
(25%): 2965 cd	(40%): 4744 cd
(63%): 7472 cd	(100%): 11860 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

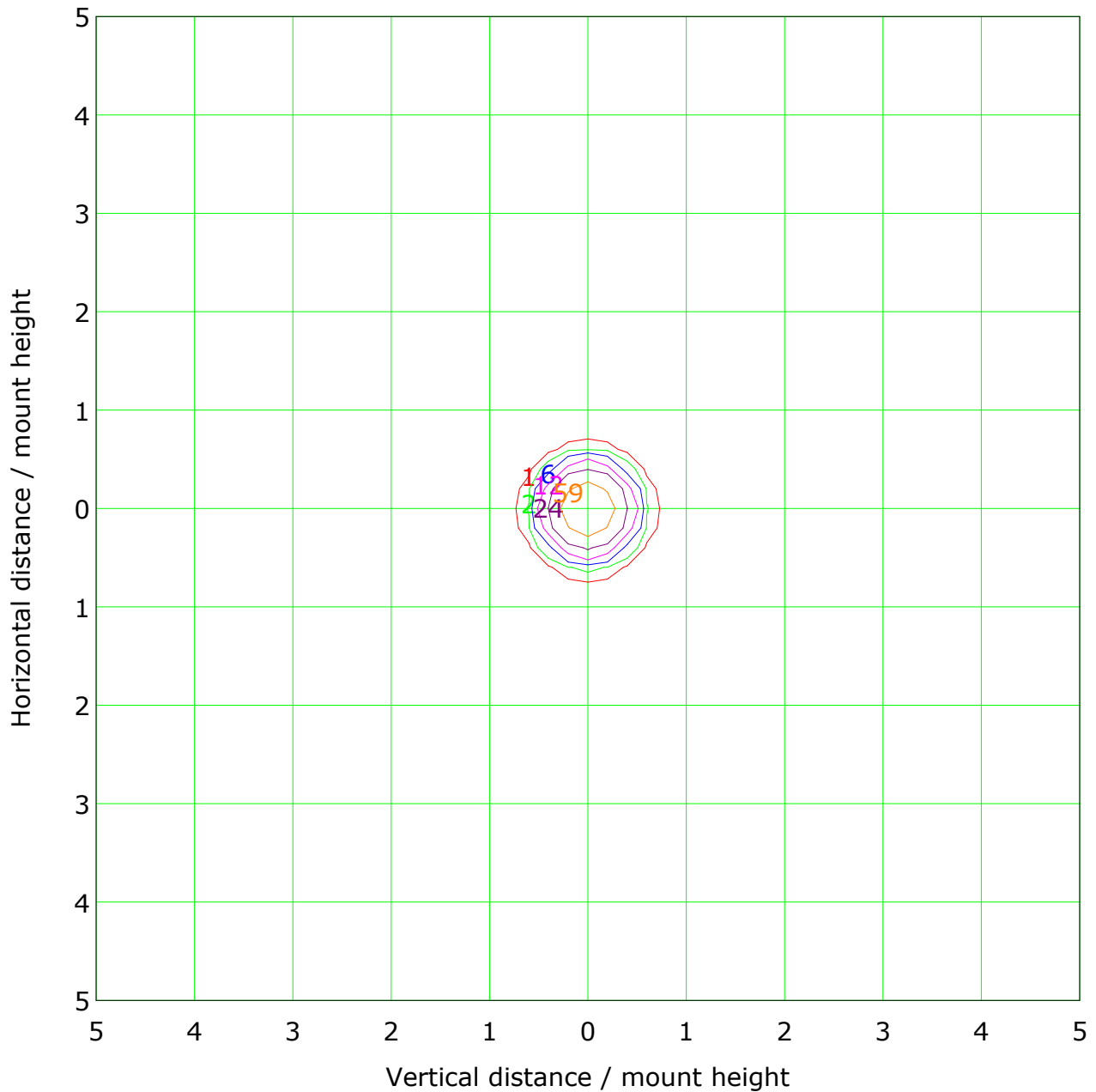
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

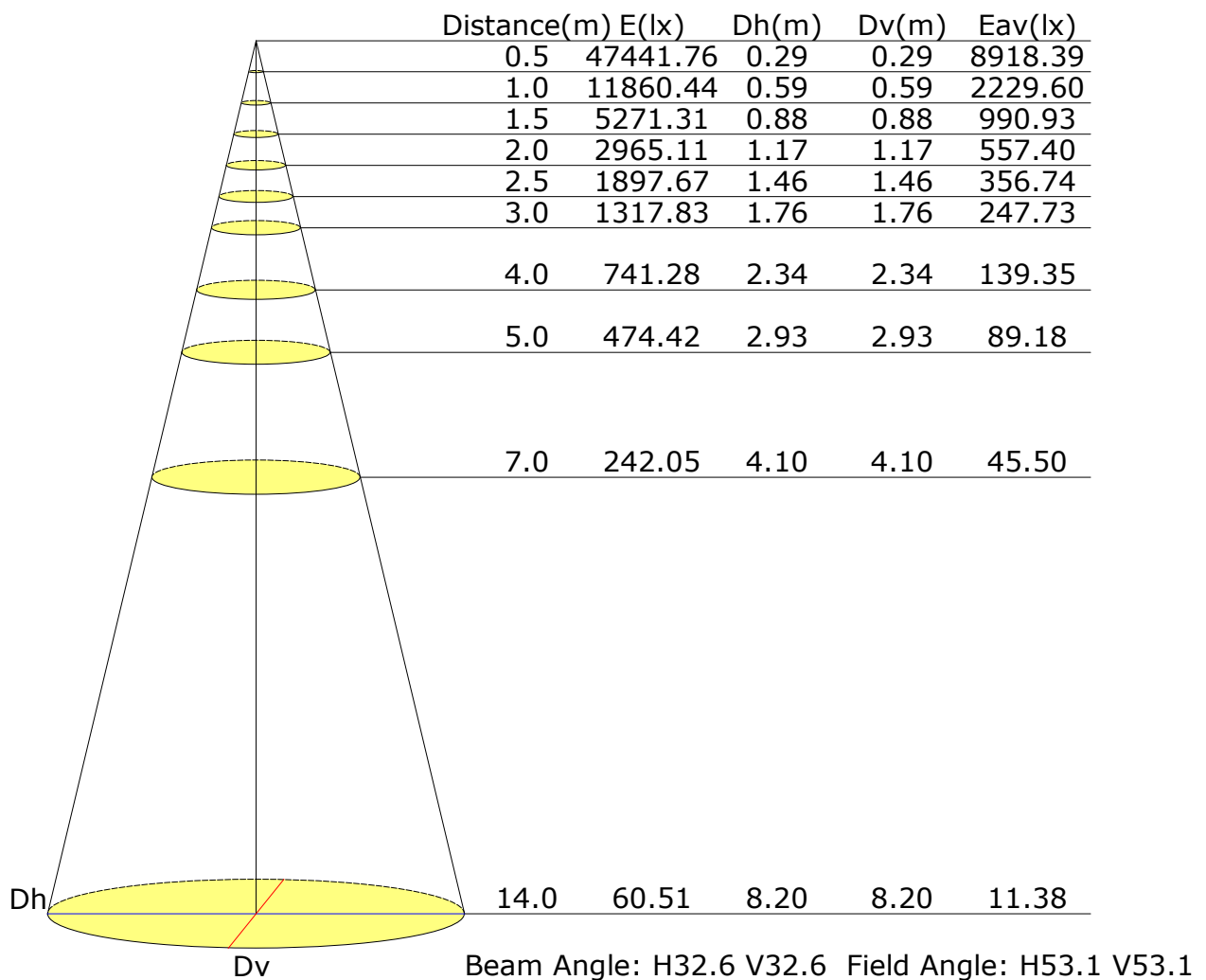


Mounting Height: 10m		Max Lux(100%): 119 lx	
— (1%):	1 lx	— (2%):	2 lx
— (5%):	6 lx	— (10%):	12 lx
— (20%):	24 lx	— (50%):	59 lx
— (100%):	119 lx		

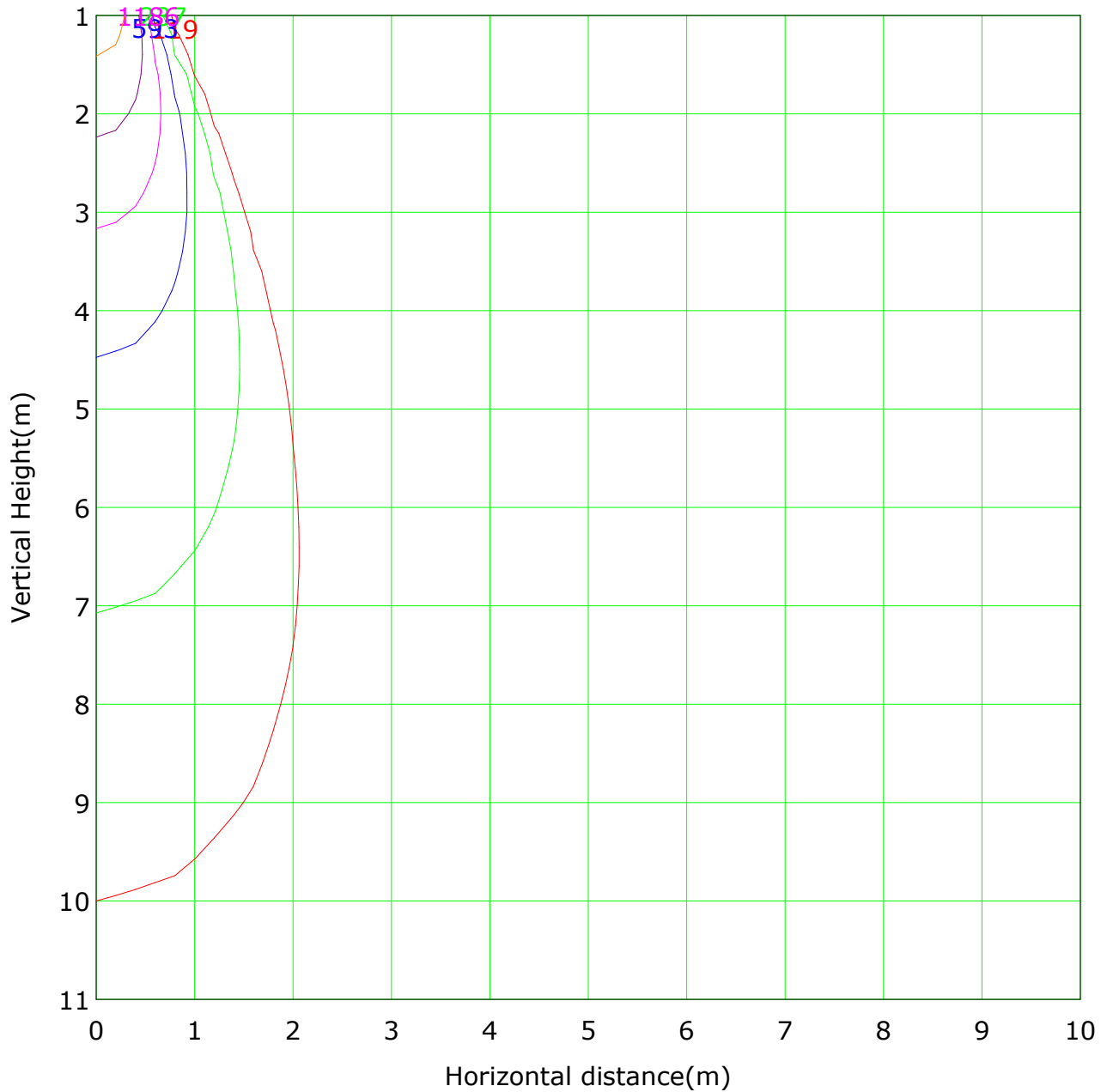
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



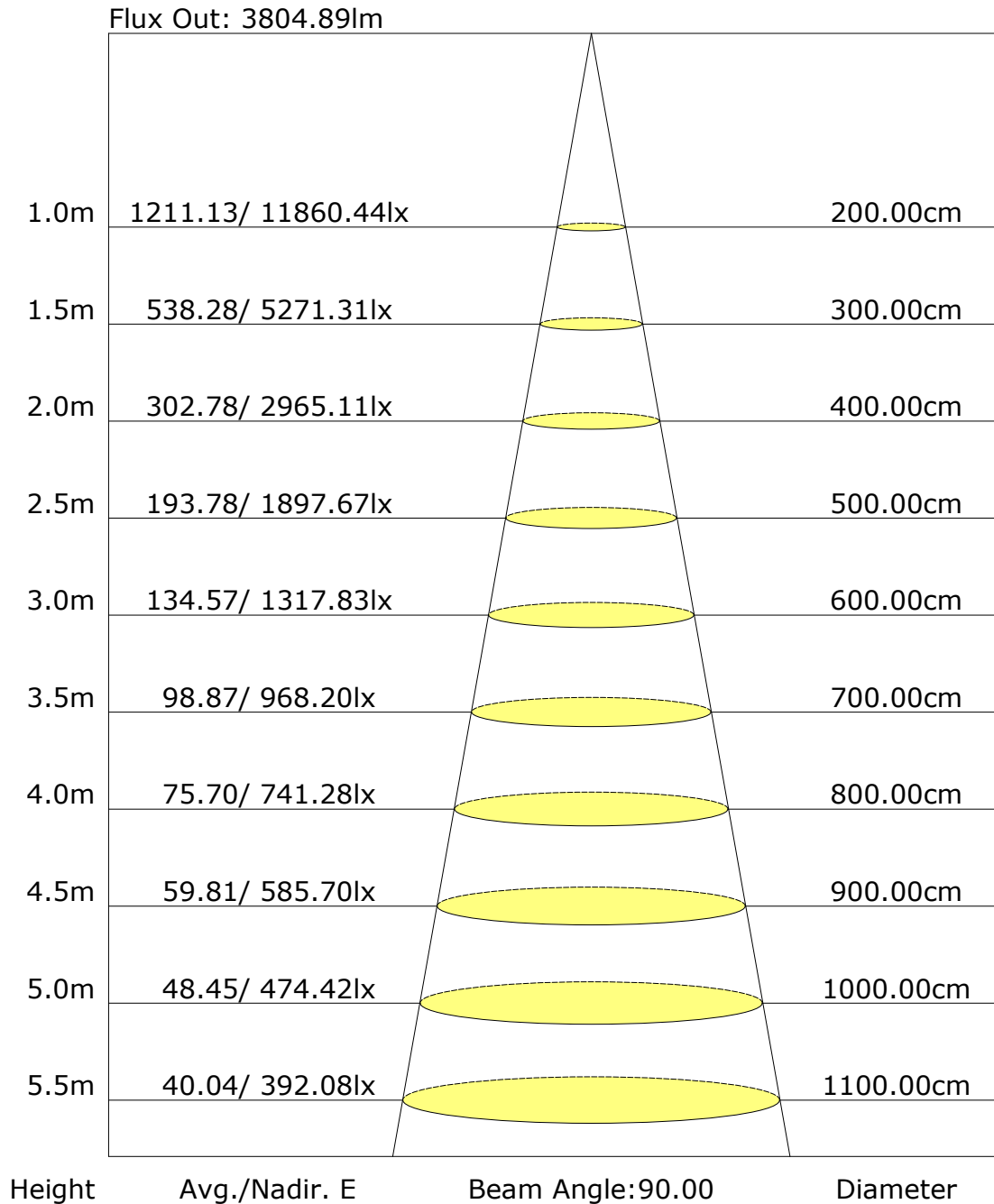
Lowest(m): 1m Highest(m): 11 Max Lux: 11860

(1%): 119 lx	(2%): 237 lx
(5%): 593 lx	(10%): 1186 lx
(20%): 2372 lx	(50%): 5930 lx
(100%): 11860 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



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: