

Report No.: AX-TL-SP-36W-090 Test Time: 2023-09-13 14:31

Luminaire Property

Luminaire Category: Bridgelux F90 V13C 3000K CRI90

Voltage: 225.2 V

Current: 0.170 A

Power: 36.70 W

Power Factor: 0.957

Photometric Results

CIE Class: Direct

Measurement Flux: 4573 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H25.1

Vertical Diffuse Angle(50%): V25.1

Luminaire Efficacy Rating (LER): 125

Max. Intensity: 23801.92 cd

Total Rated Lamp Lumens: 4573.0 lm

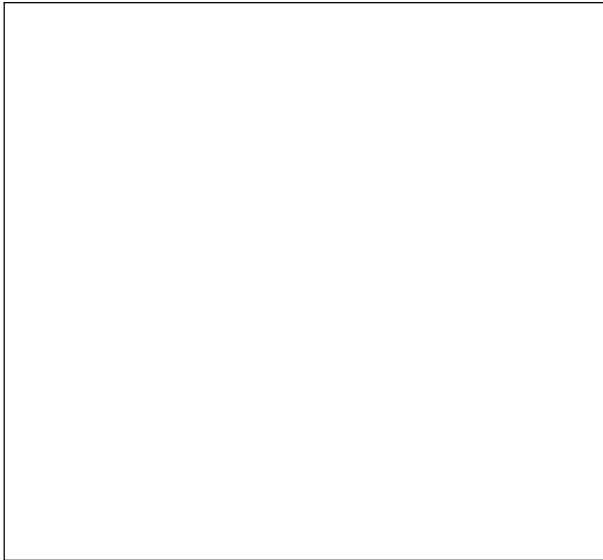
Efficiency: 100%

Upward Ratio: 0%

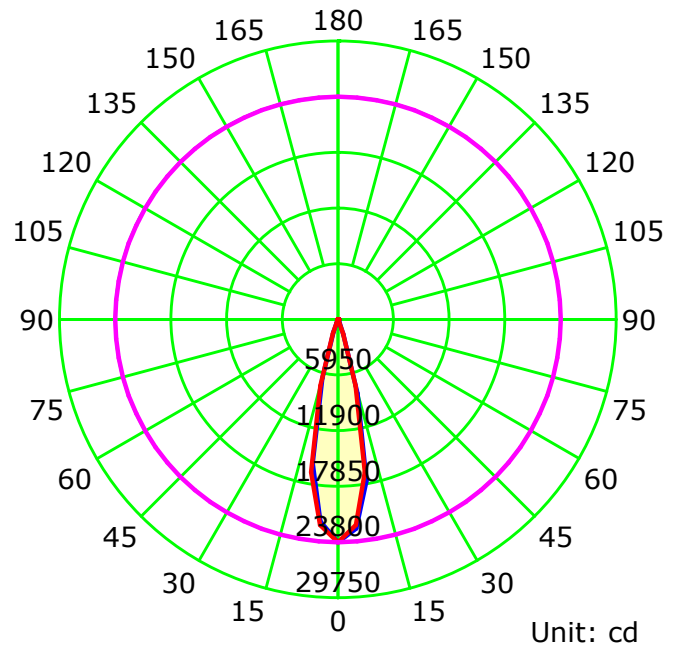
Central Intensity: 23801.92 cd

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

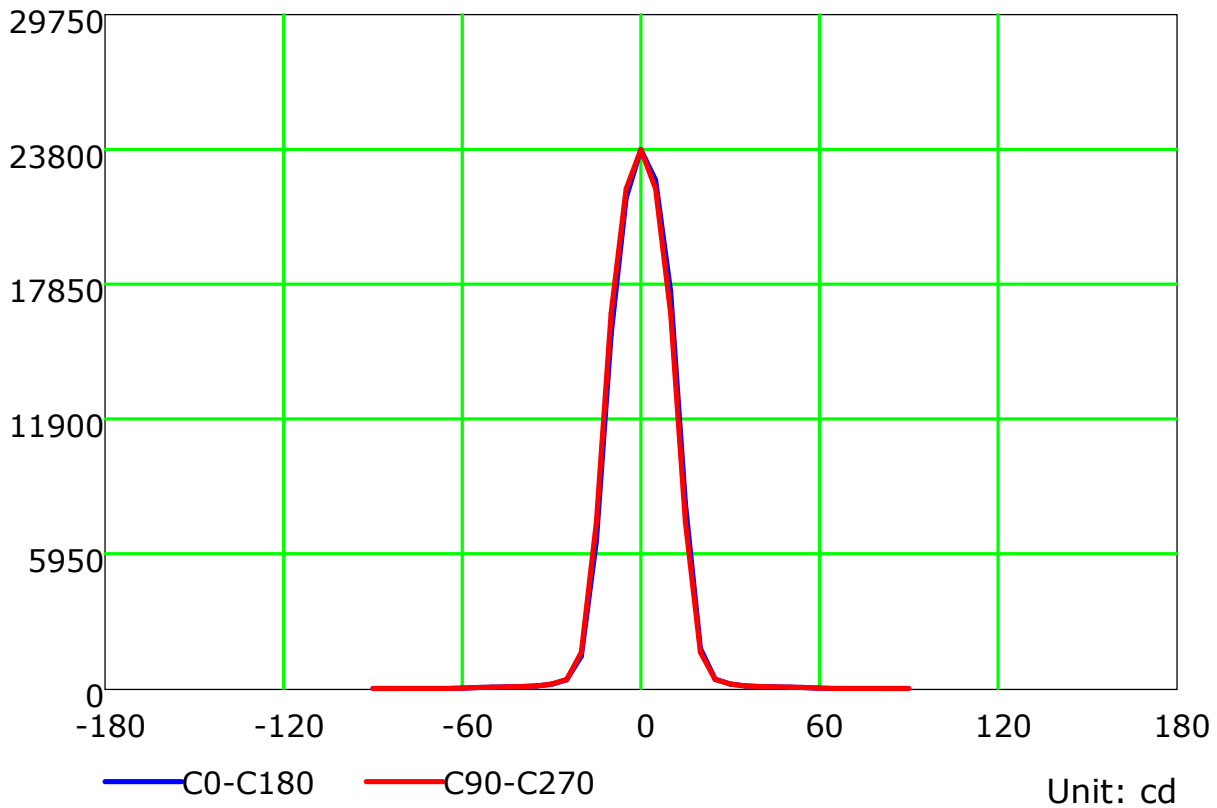
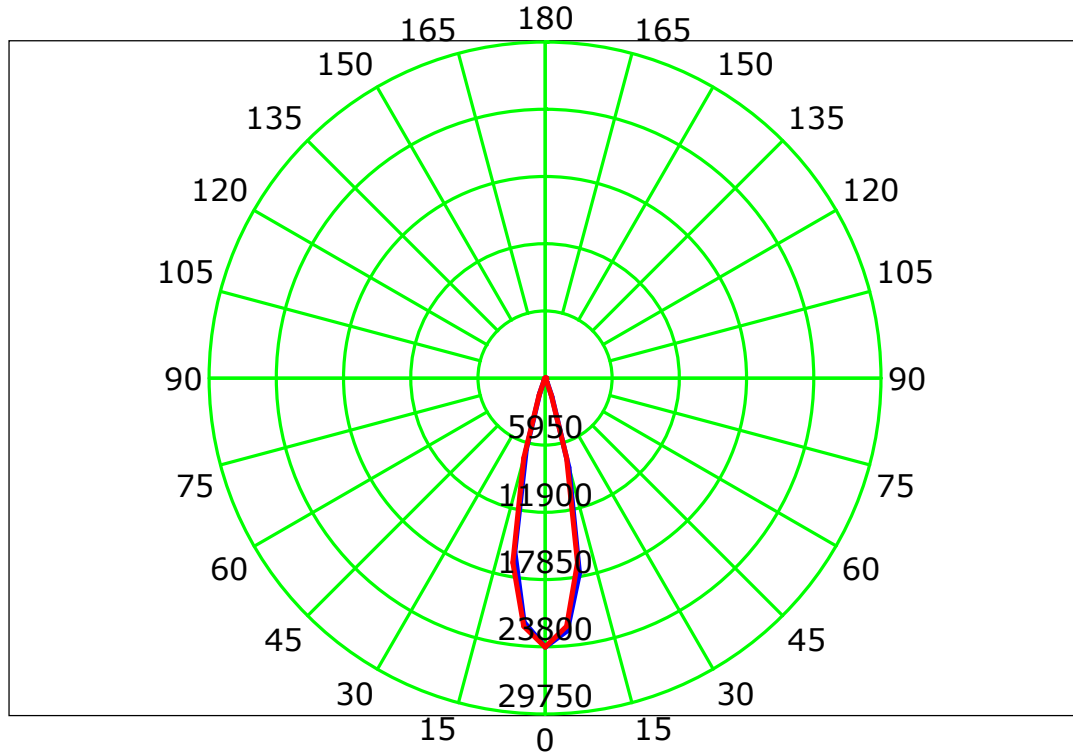
Test Device: CHL-6E

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

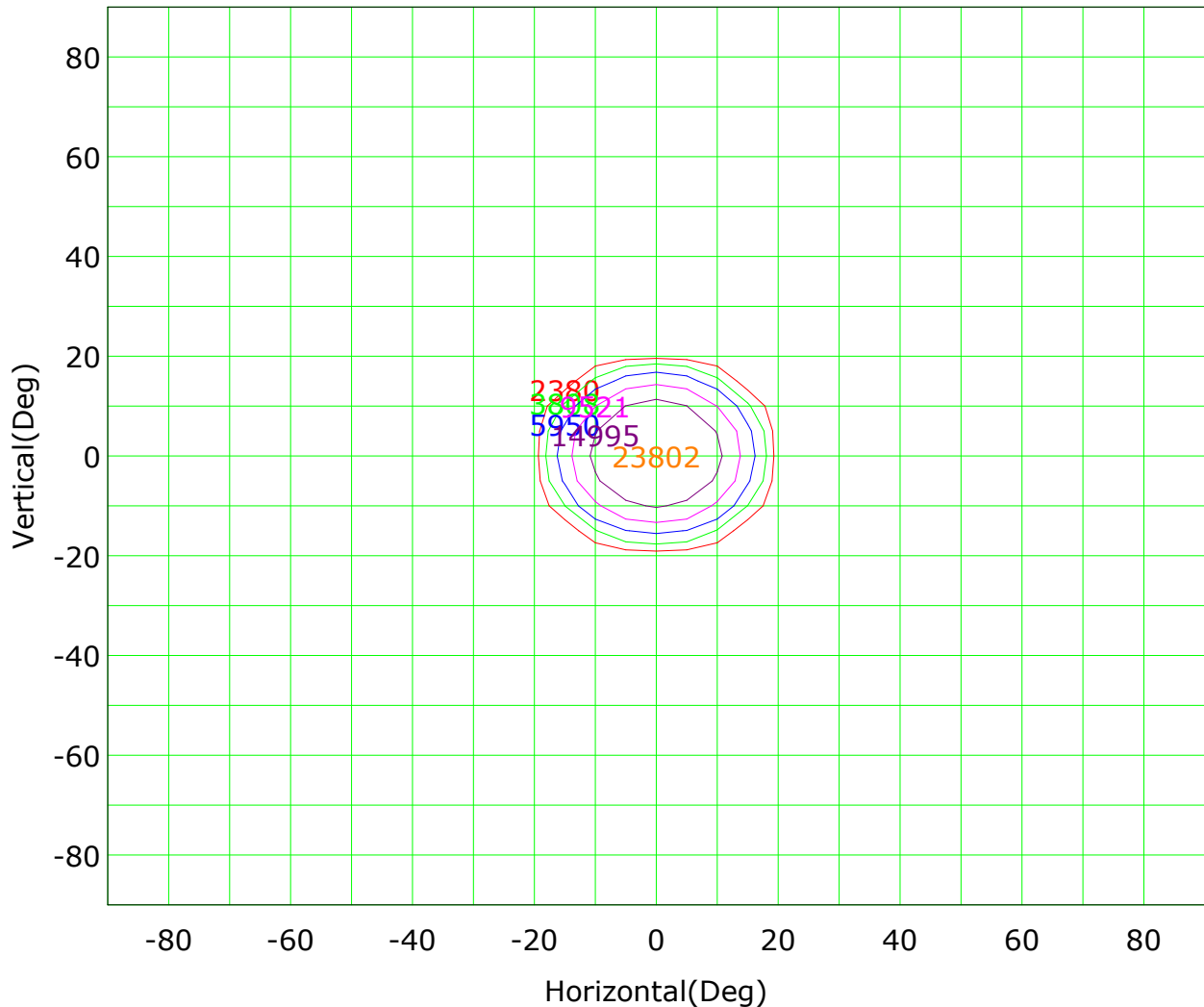
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 23802 cd

- | | |
|------------------|------------------|
| (10%): 2380 cd | (16%): 3808 cd |
| (25%): 5950 cd | (40%): 9521 cd |
| (63%): 14995 cd | (100%): 23802 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

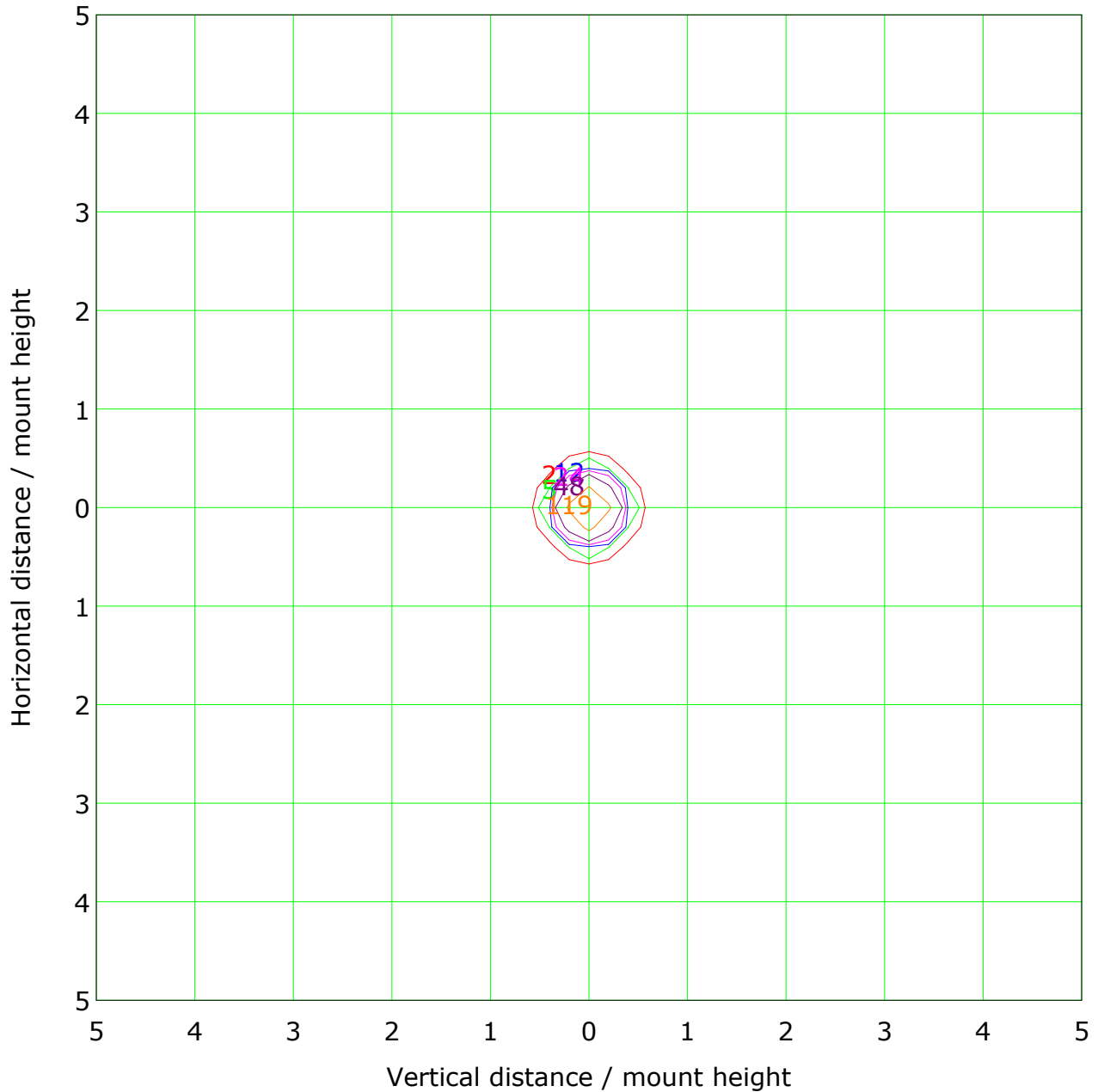
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 238 lx	
(1%):	2 lx	(2%):	5 lx
(5%):	12 lx	(10%):	24 lx
(20%):	48 lx	(50%):	119 lx
(100%):	238 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

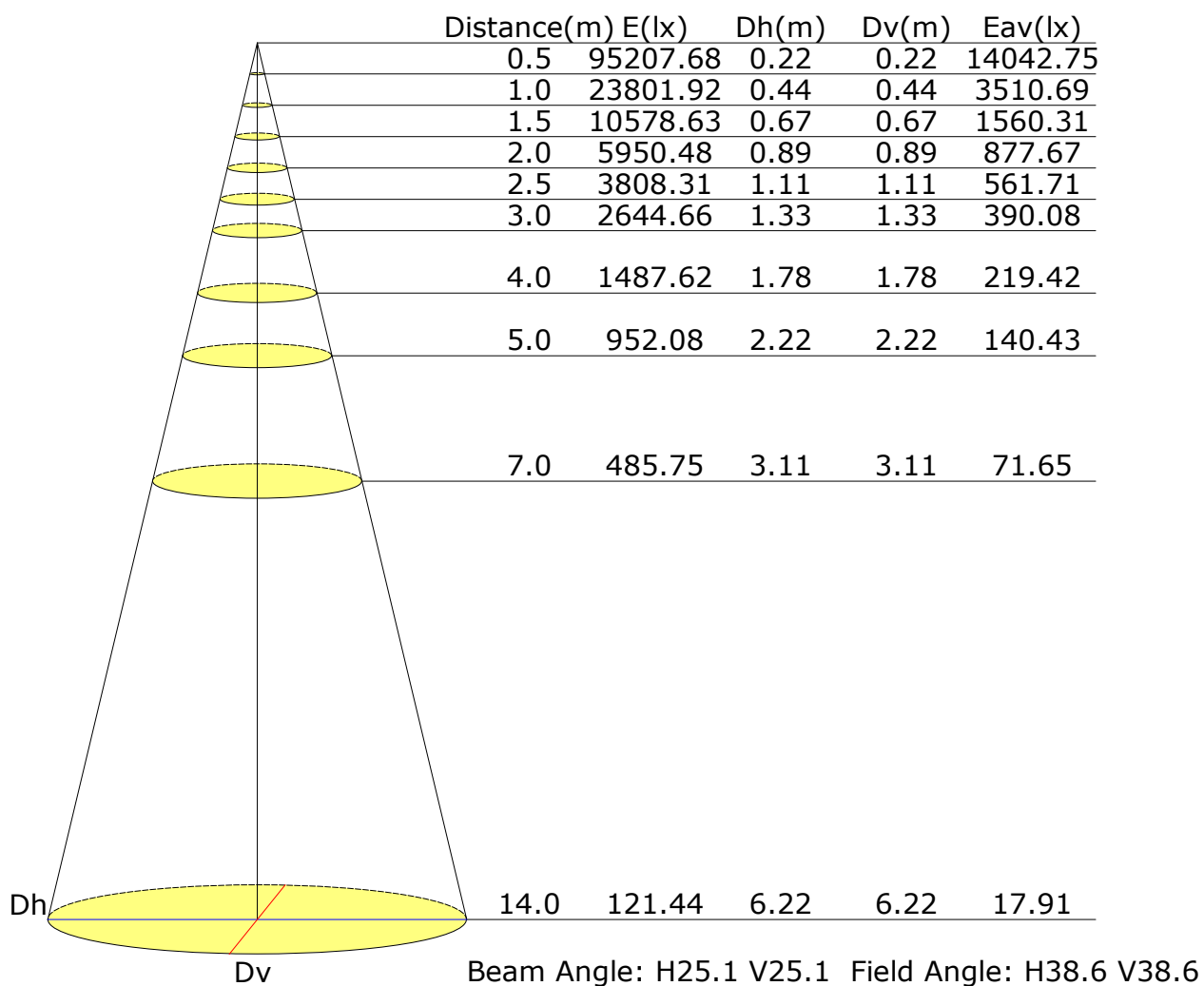
Test Device: CHL-6E

Distance: 3.000 m

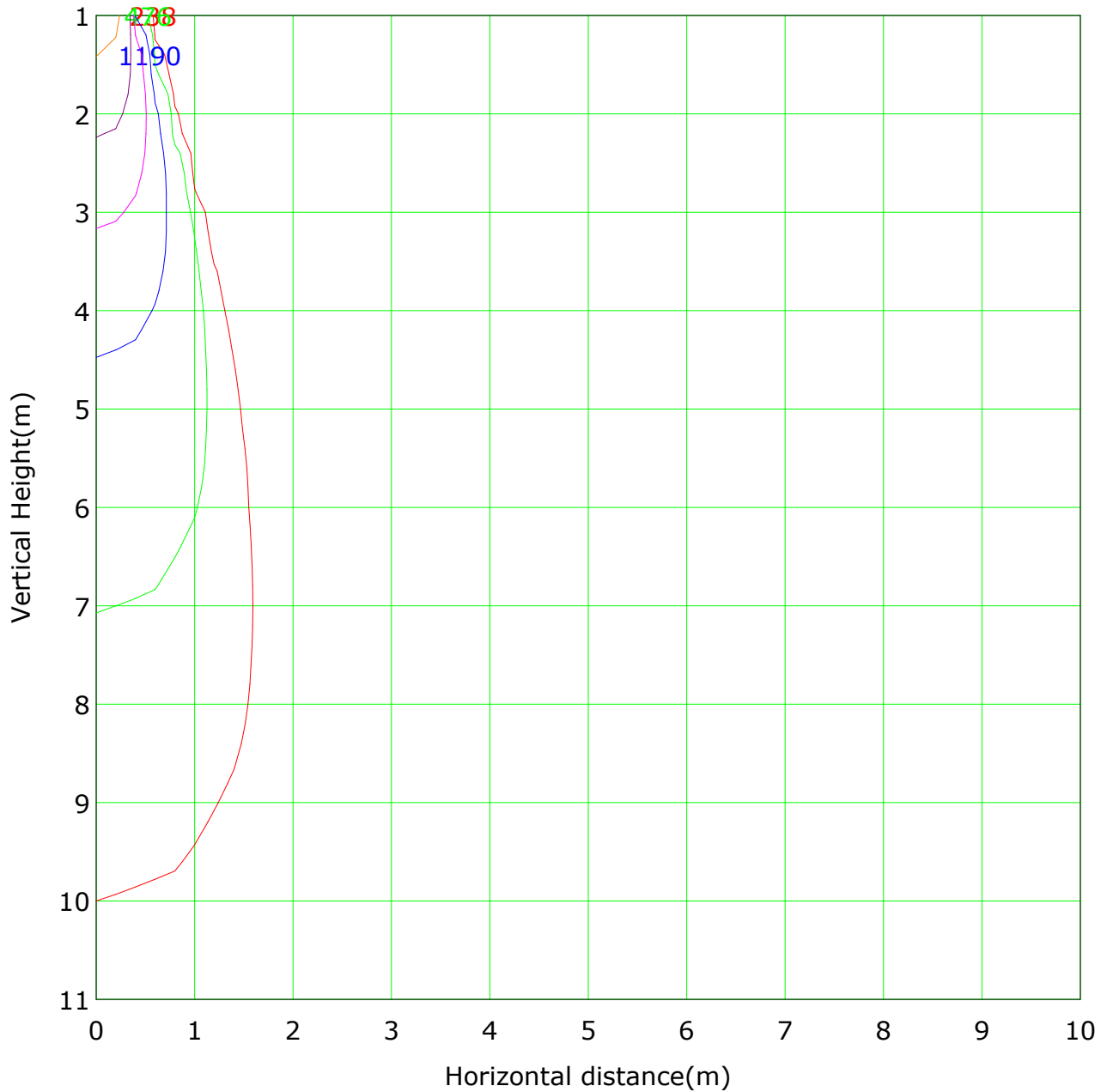
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



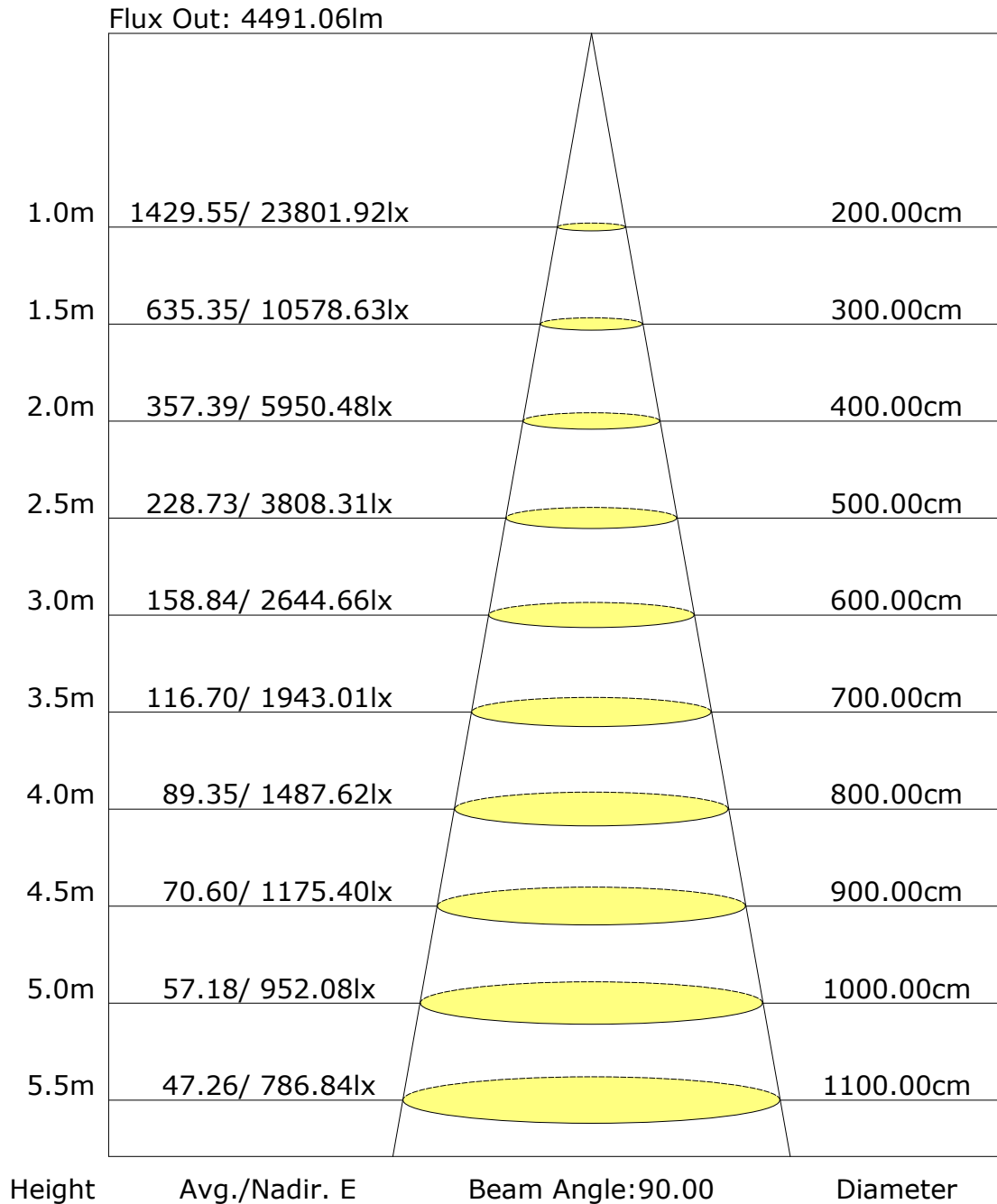
Lowest(m): 1m Highest(m): 11 Max Lux: 23802

(1%): 238 lx	(2%): 476 lx
(5%): 1190 lx	(10%): 2380 lx
(20%): 4760 lx	(50%): 11901 lx
(100%): 23802 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: