

Report No.: 52.07517 SILO Downlight

Test Time: 2023-09-28 14:03

Luminaire Property

Luminaire Category: Bridgelux V8 4000K CRI90

Voltage: 224.6 V

Current: 0.117 A

Power: 14.00 W

Power Factor: 0.534

Photometric Results

CIE Class: Direct

Measurement Flux: 1002.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17.8

Vertical Diffuse Angle(50%): V17.8

Luminaire Efficacy Rating (LER): 72

Max. Intensity: 7460.9 cd

Total Rated Lamp Lumens: 1002.5 lm

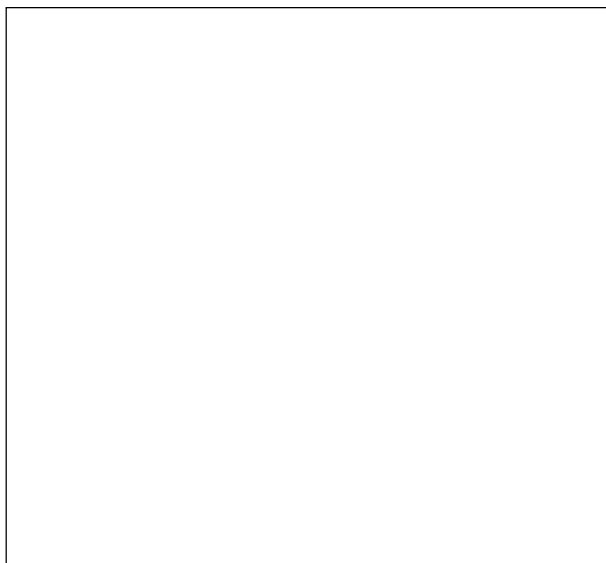
Efficiency: 100%

Upward Ratio: 0%

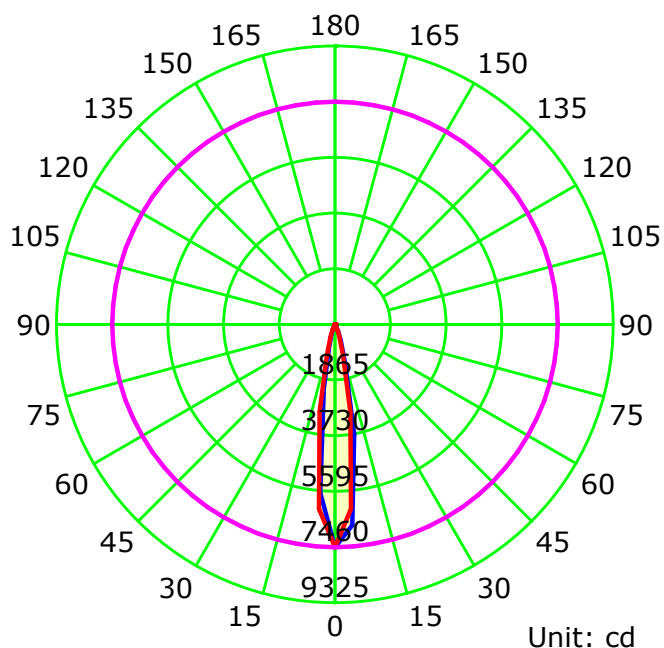
Central Intensity: 7460.89 cd

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

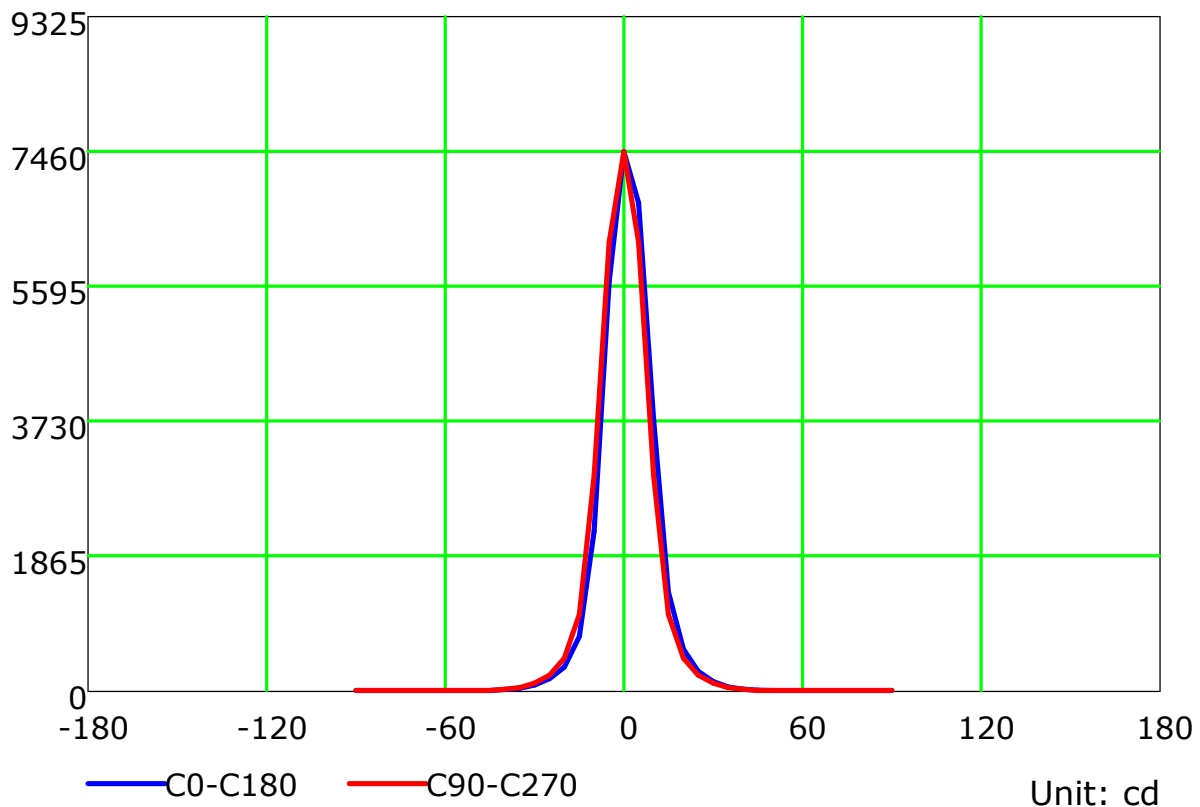
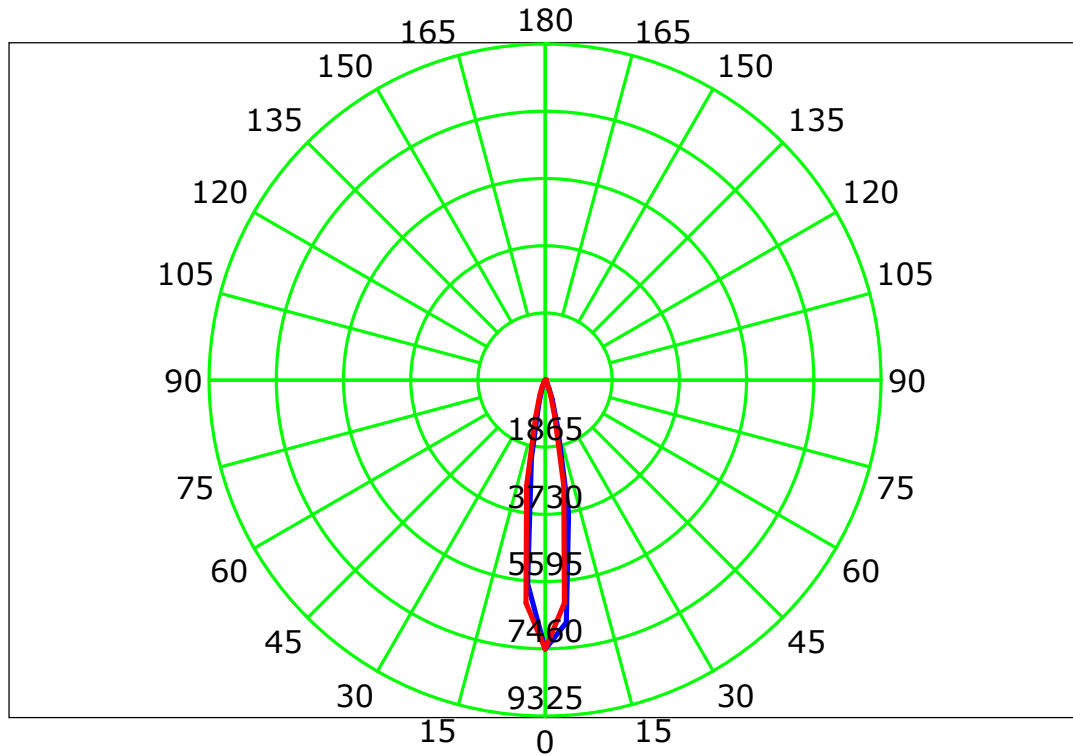
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



Unit: 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

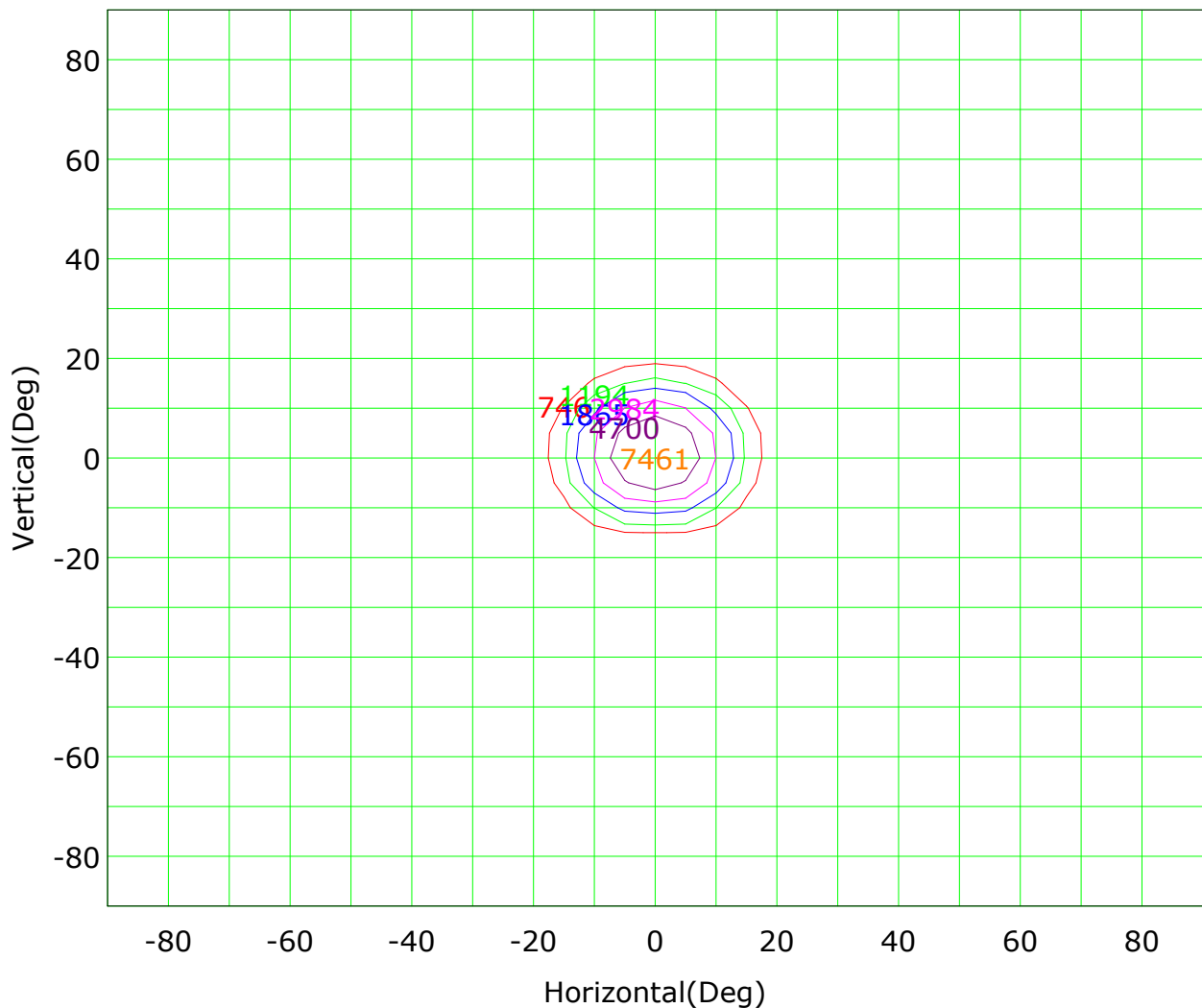
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 7461 cd

(10%): 746 cd	(16%): 1194 cd
(25%): 1865 cd	(40%): 2984 cd
(63%): 4700 cd	(100%): 7461 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

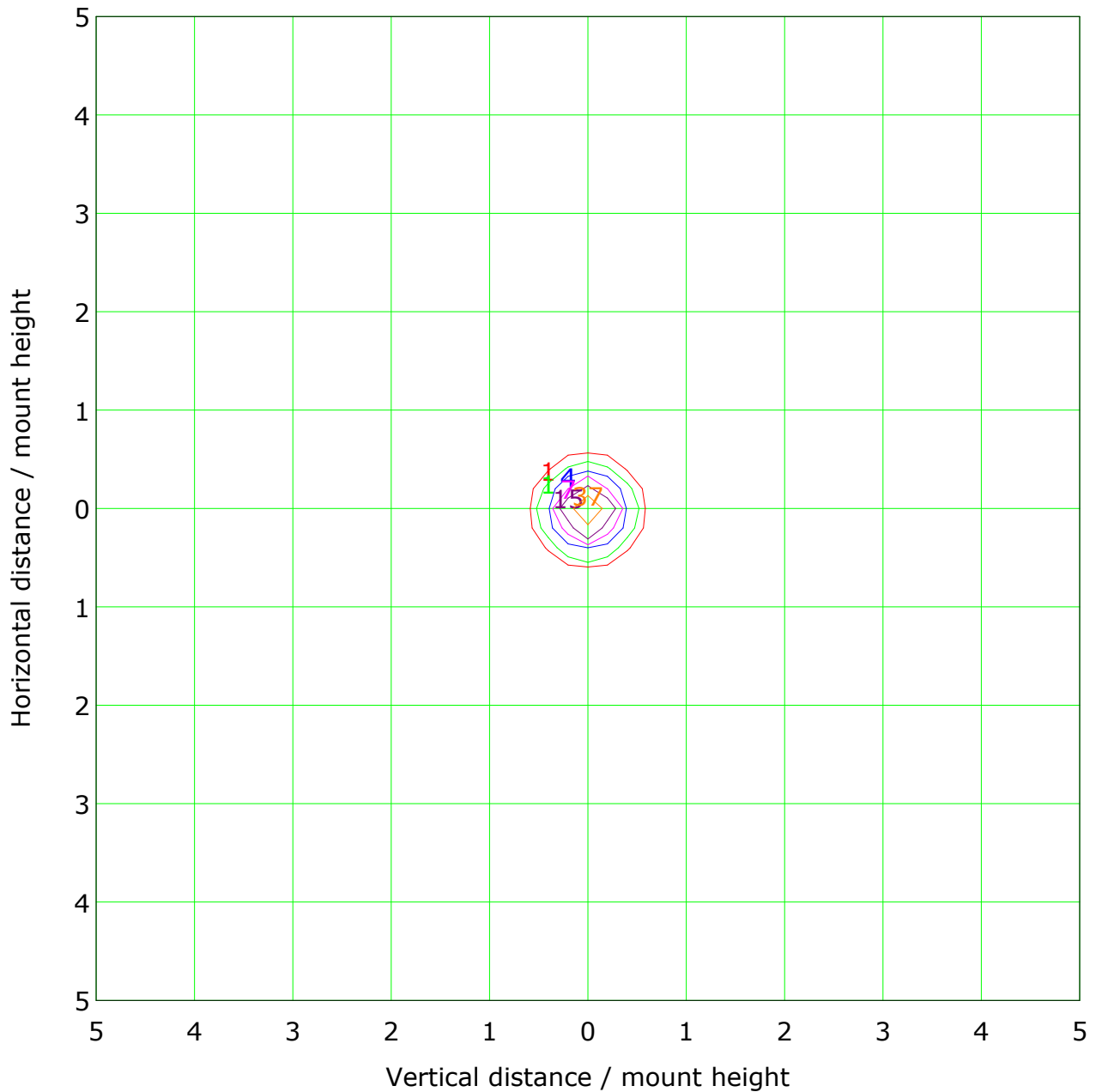
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



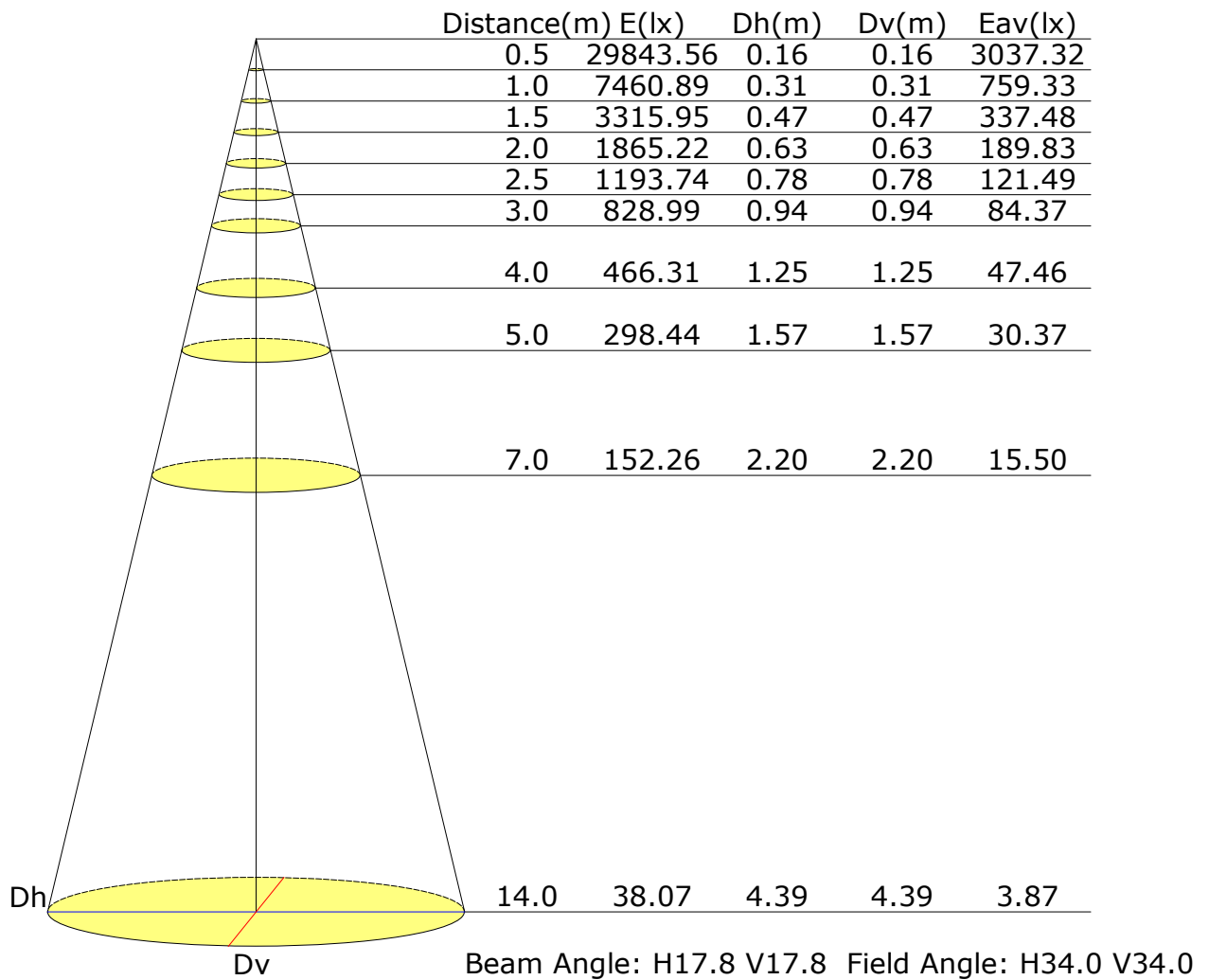
Mounting Height: 10m Max Lux(100%): 75 lx

(1%):	1 lx	(2%):	1 lx
(5%):	4 lx	(10%):	7 lx
(20%):	15 lx	(50%):	37 lx
(100%):	75 lx		

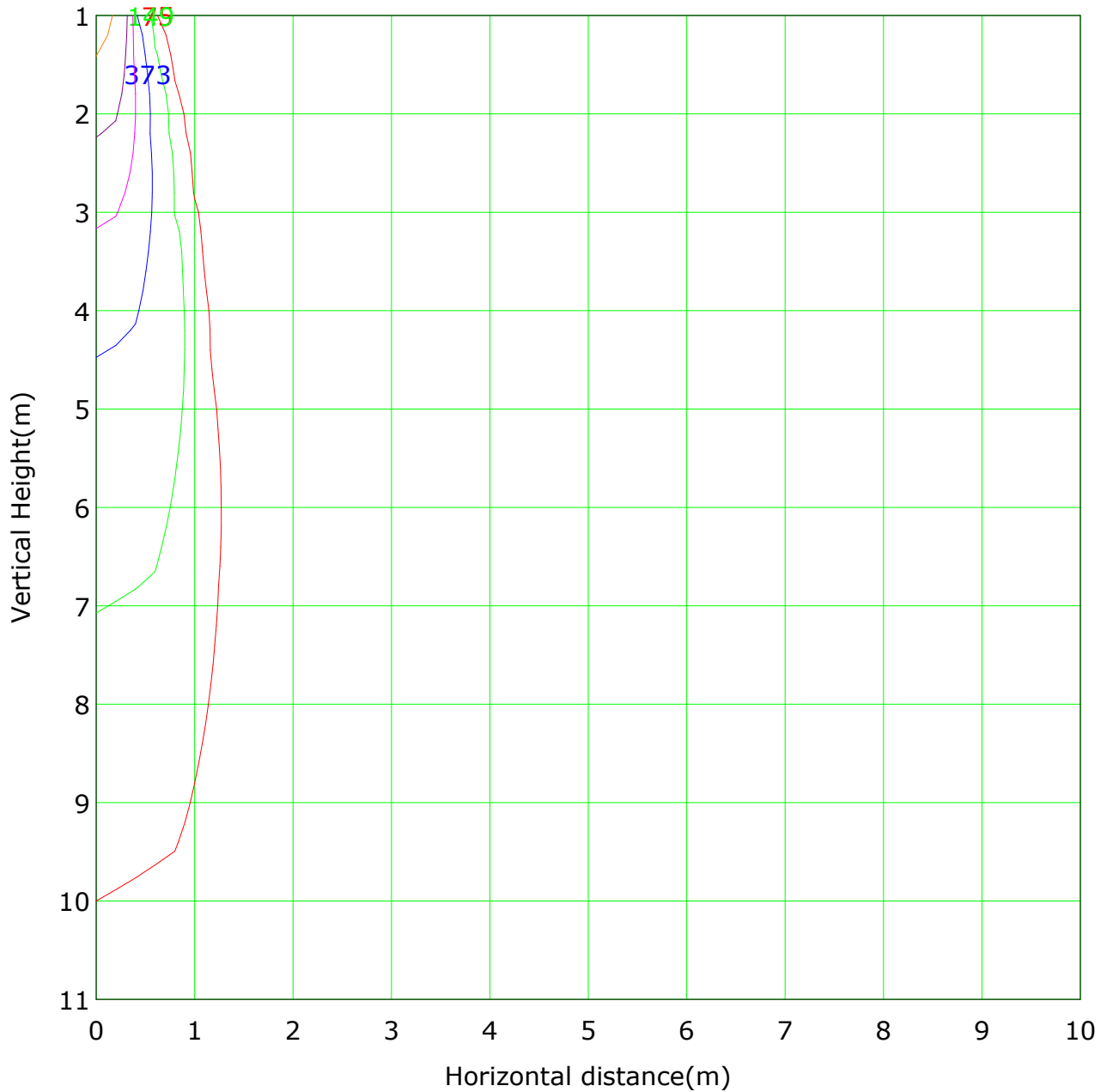
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



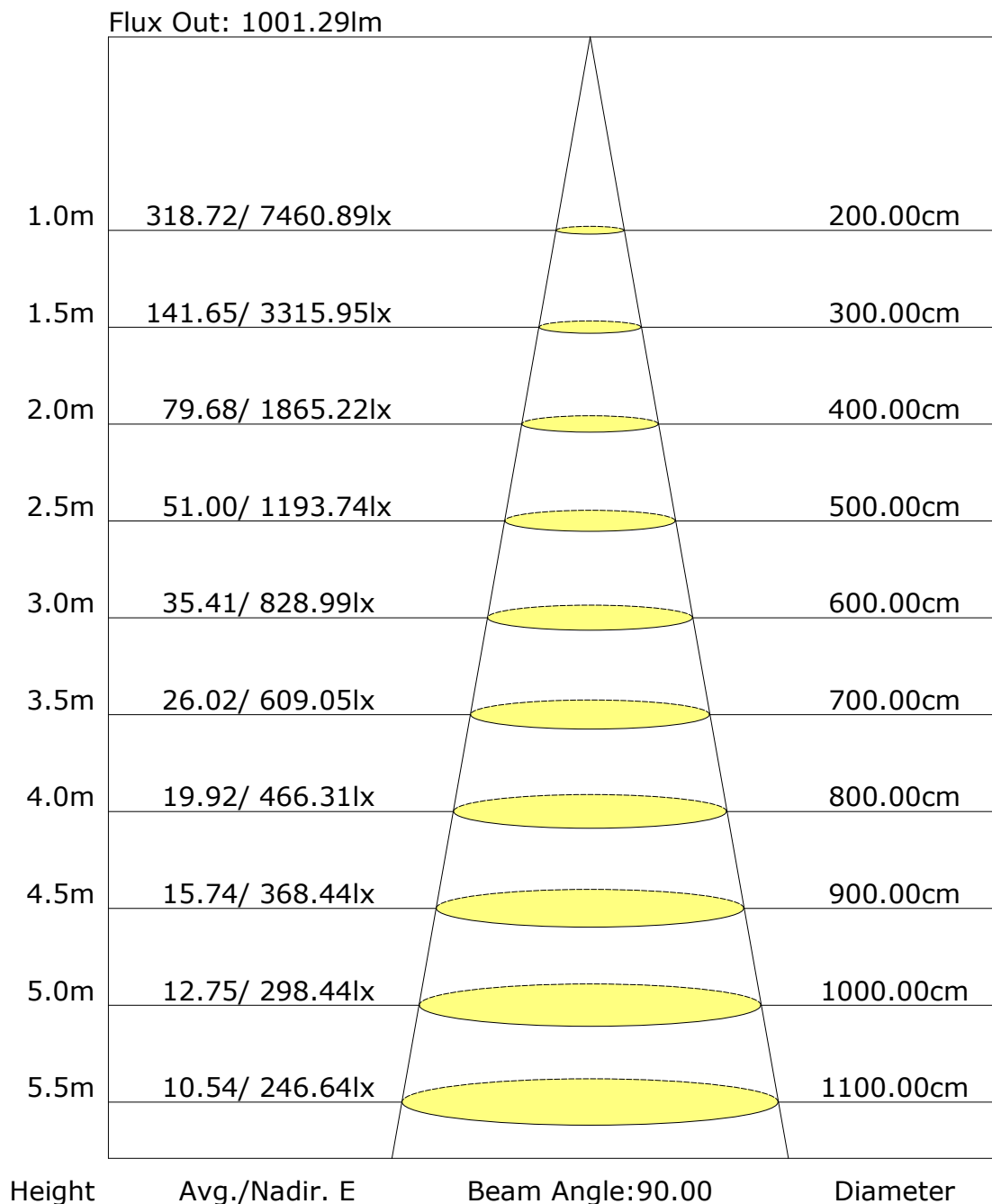
Lowest(m): 1m Highest(m): 11 Max Lux: 7461

(1%): 75 lx	(2%): 149 lx
(5%): 373 lx	(10%): 746 lx
(20%): 1492 lx	(50%): 3730 lx
(100%): 7461 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: