

Report No.: 52.05520 ECO Downlight

Test Time: 2023-09-18 17:23

Luminaire Property

Luminaire Category: Bridgelux F90 V10A 3000K CRI90

Voltage: 219.6 V

Current: 0.111 A

Power: 13.80 W

Power Factor: 0.563

Photometric Results

CIE Class: Direct

Measurement Flux: 1601.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H36

Vertical Diffuse Angle(50%): V36

Luminaire Efficacy Rating (LER): 116

Max. Intensity: 4195.94 cd

Total Rated Lamp Lumens: 1601.8 lm

Efficiency: 100%

Upward Ratio: 0%

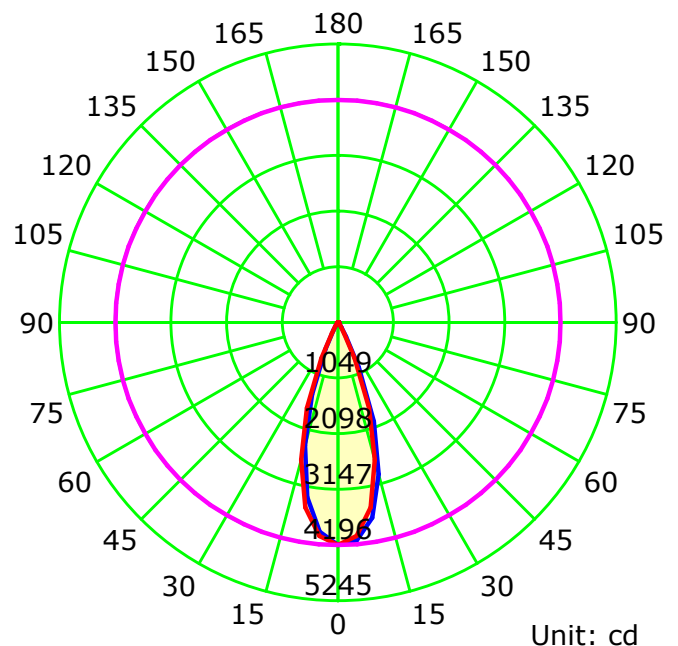
Central Intensity: 4195.93 cd

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

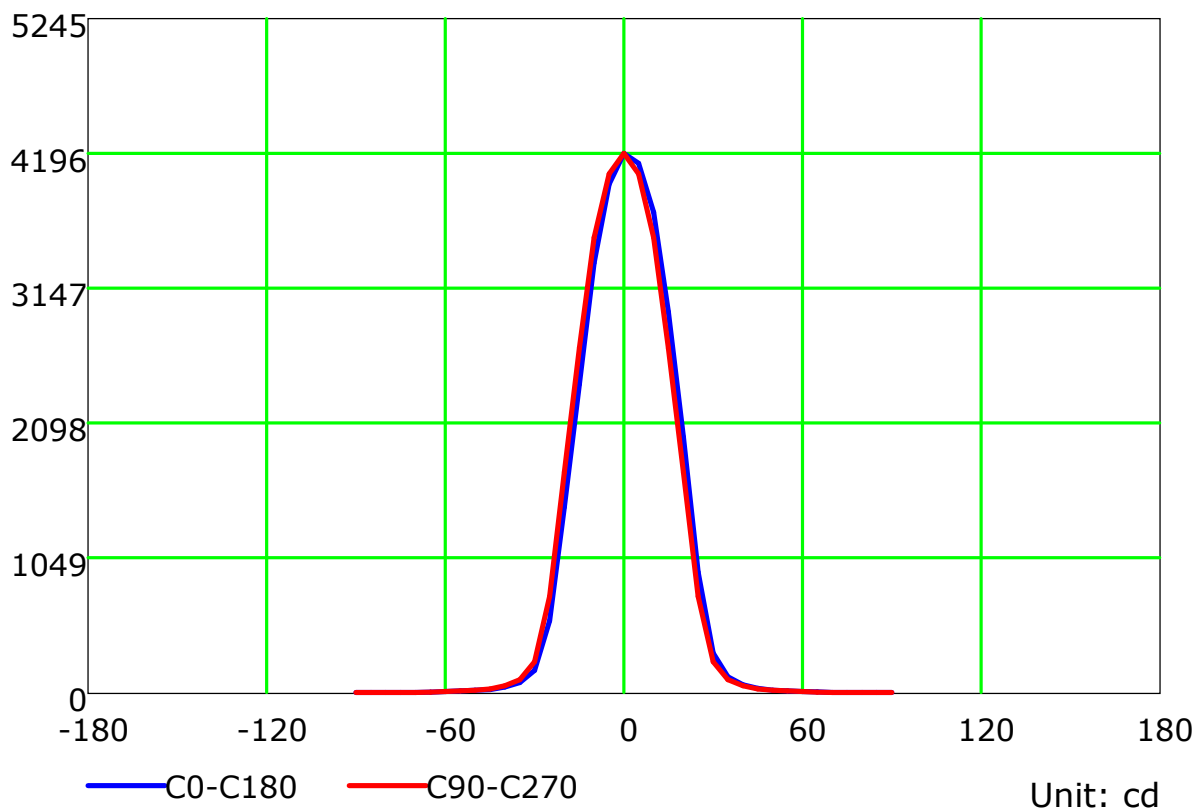
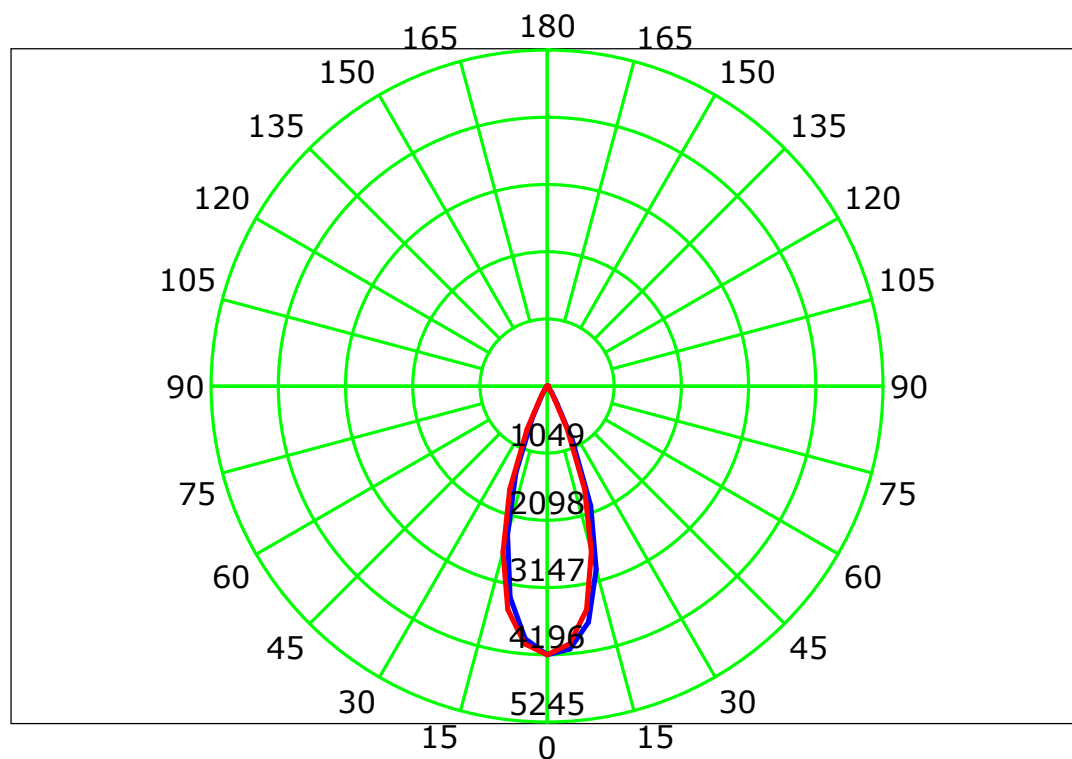
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

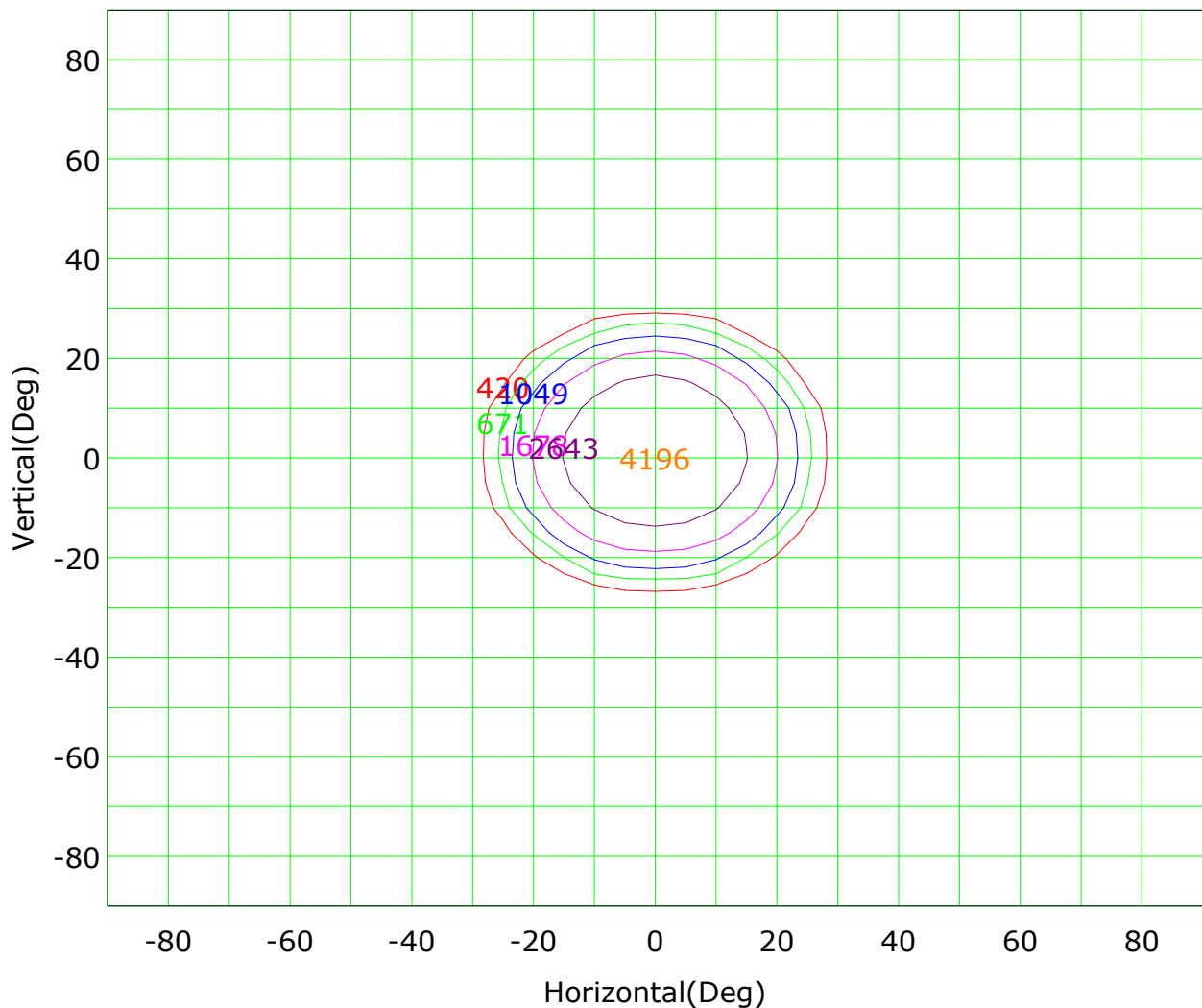
Luminous Intensity Distribution Curve



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%): 4196 cd

(10%): 420 cd	(16%): 671 cd
(25%): 1049 cd	(40%): 1678 cd
(63%): 2643 cd	(100%): 4196 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

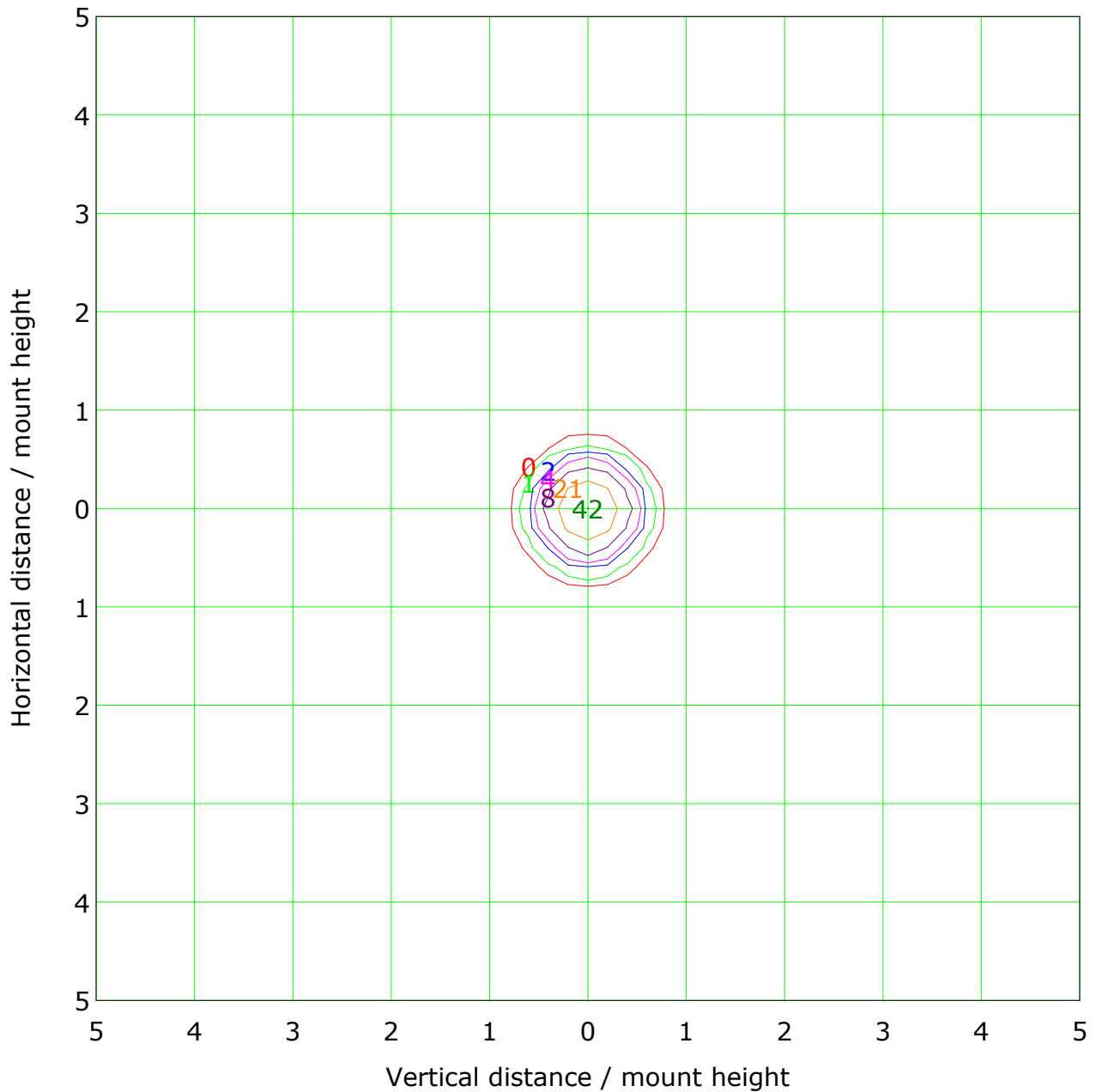
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 42 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	4 lx
(20%):	8 lx	(50%):	21 lx
(100%):	42 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

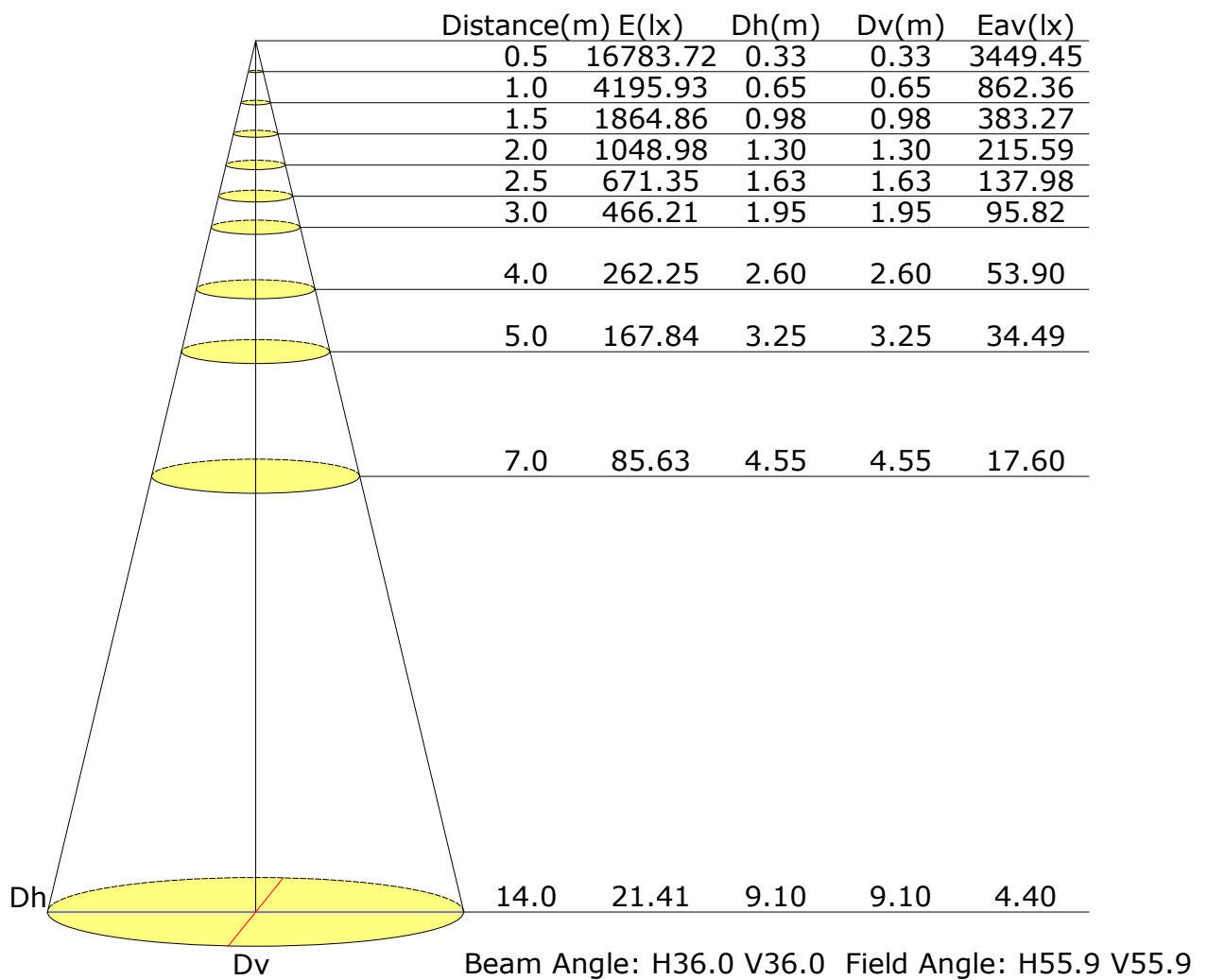
Test Device: CHL-6E

Distance: 3.000 m

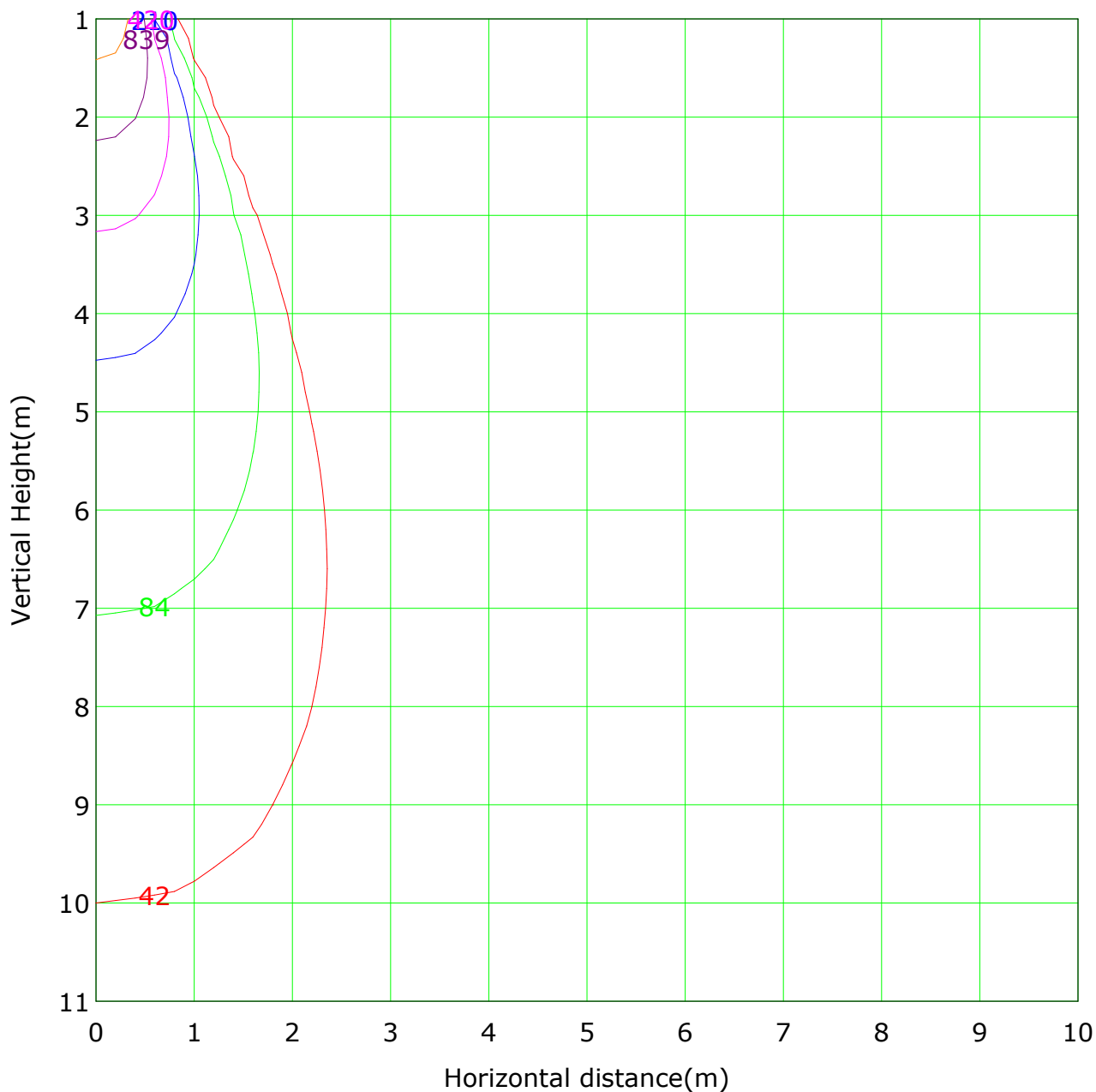
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



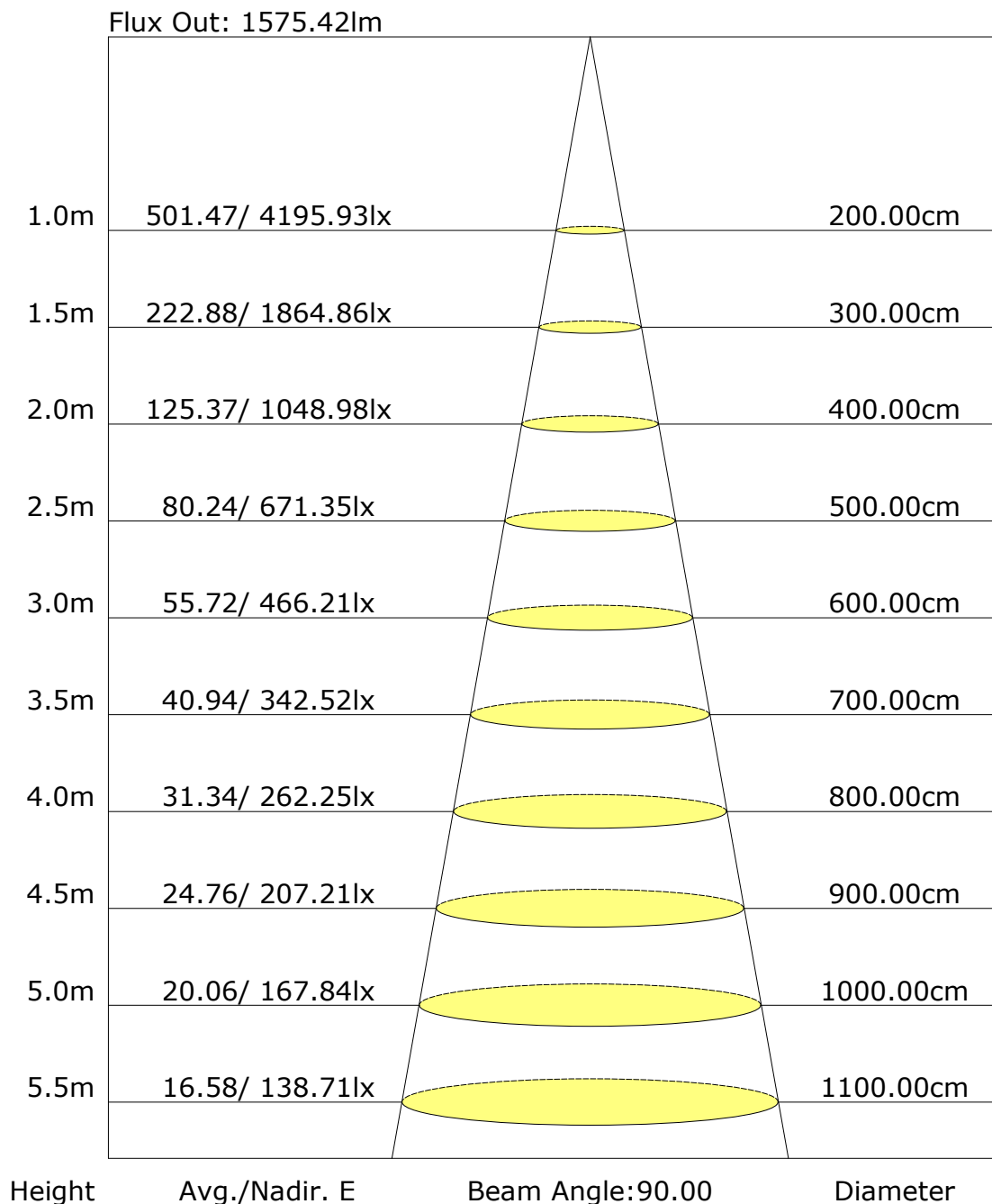
Lowest(m): 1m Highest(m): 11 Max Lux: 4196

(1%): 42 lx	(2%): 84 lx
(5%): 210 lx	(10%): 420 lx
(20%): 839 lx	(50%): 2098 lx
(100%): 4196 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: