

Report No.: 52.10019 ECO Downlight

Test Time: 2023-09-13 14:12

Luminaire Property

Luminaire Category: Bridgelux F90 V13C 3000K CRI90

Voltage: 220.4 V

Current: 0.131 A

Power: 28.00 W

Power Factor: 0.964

Photometric Results

CIE Class: Direct

Measurement Flux: 3839.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H18.2

Vertical Diffuse Angle(50%): V18.2

Luminaire Efficacy Rating (LER): 137

Max. Intensity: 25067.18 cd

Total Rated Lamp Lumens: 3839.1 lm

Efficiency: 100%

Upward Ratio: 0%

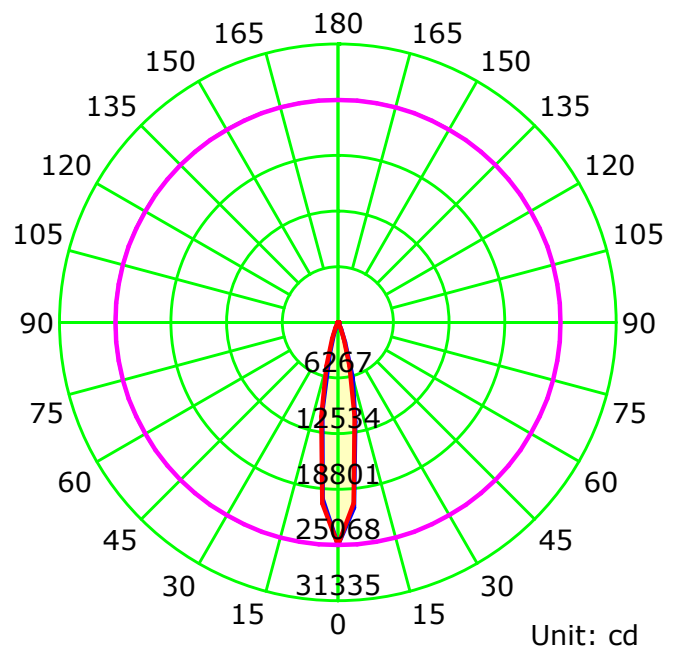
Central Intensity: 25067.18 cd

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

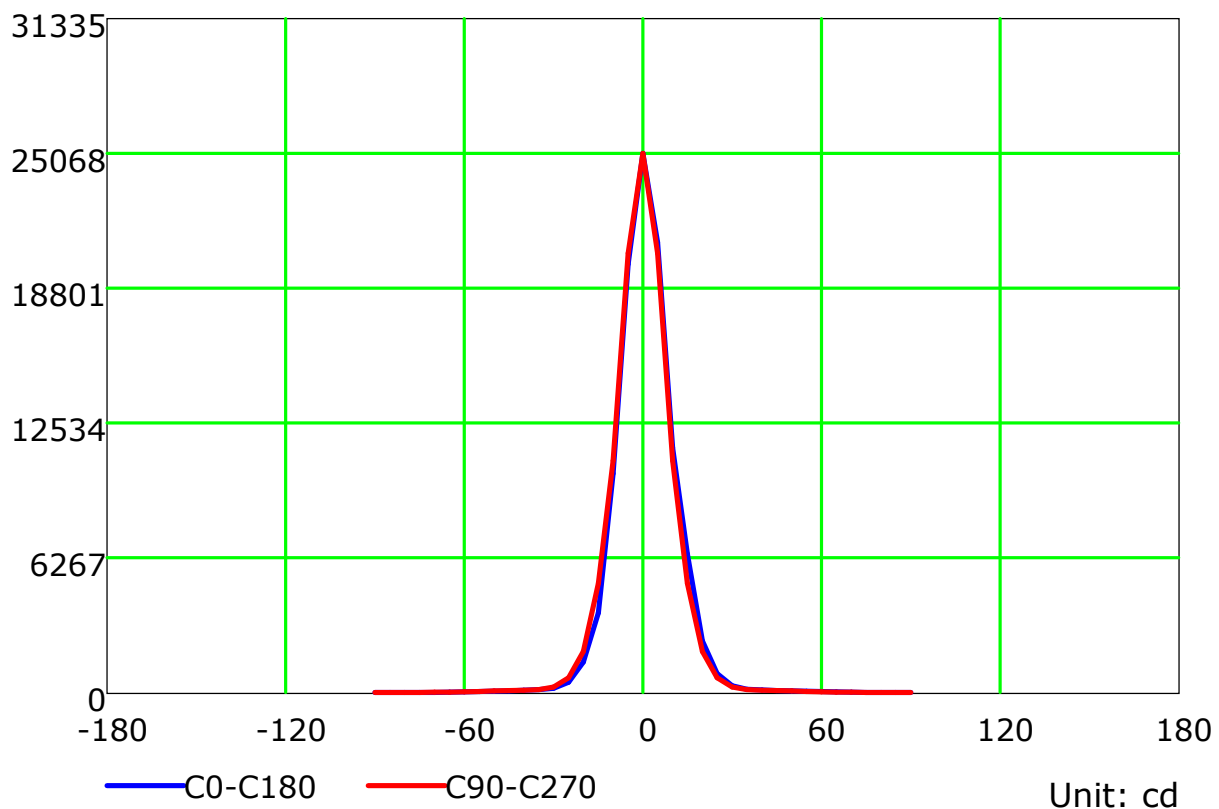
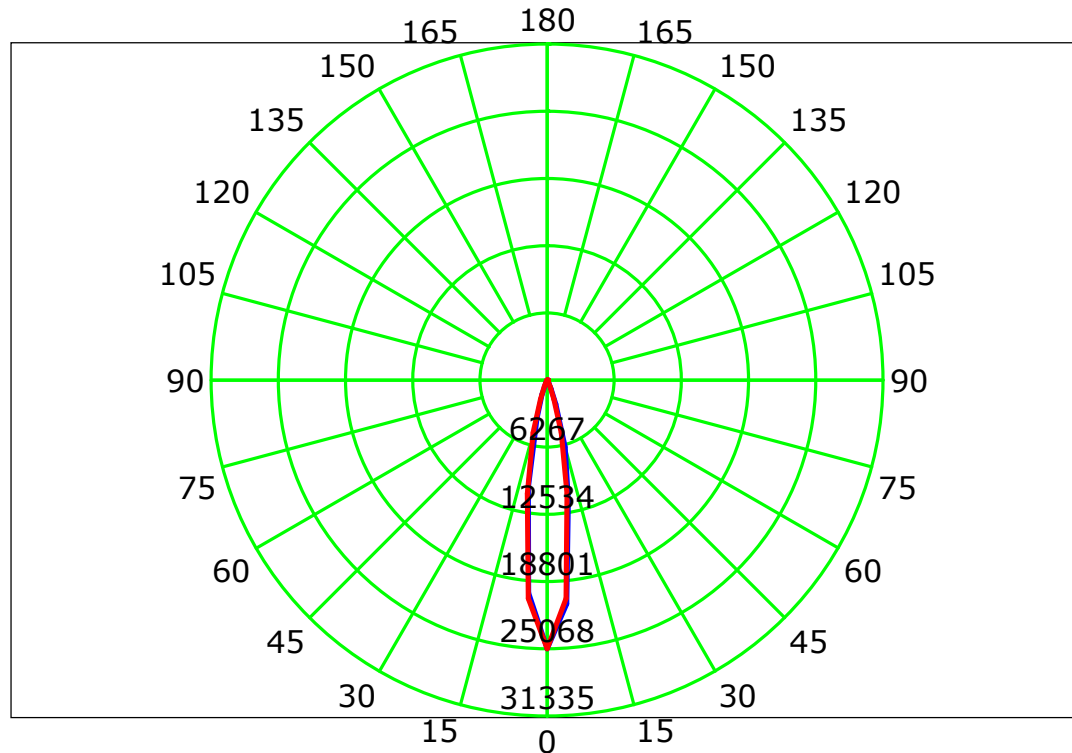
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

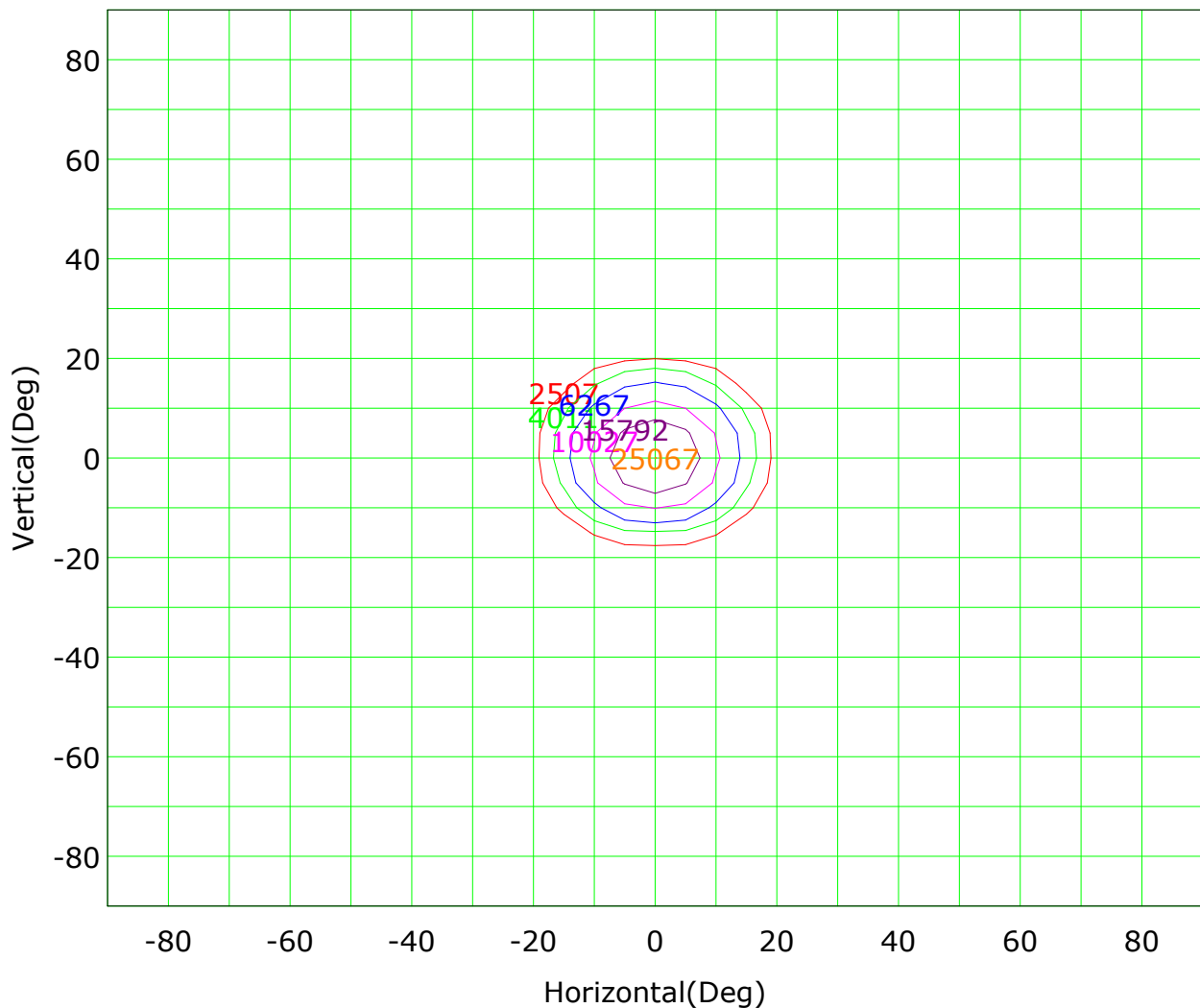
Luminous Intensity Distribution Curve



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%): 25067 cd

(10%): 2507 cd	(16%): 4011 cd
(25%): 6267 cd	(40%): 10027 cd
(63%): 15792 cd	(100%): 25067 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

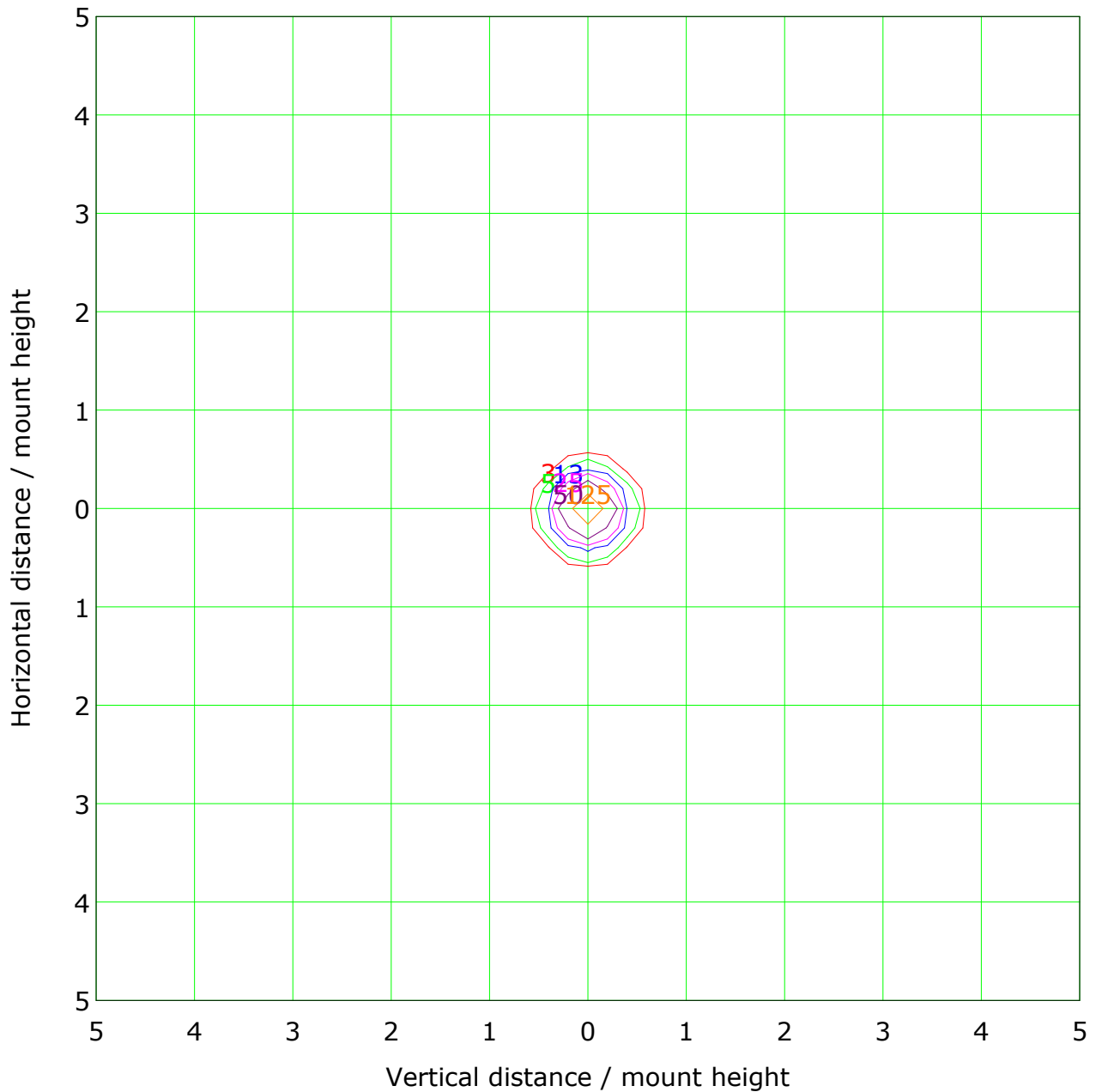
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 251 lx	
(1%):	3 lx	(2%):	5 lx
(5%):	13 lx	(10%):	25 lx
(20%):	50 lx	(50%):	125 lx
(100%):	251 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

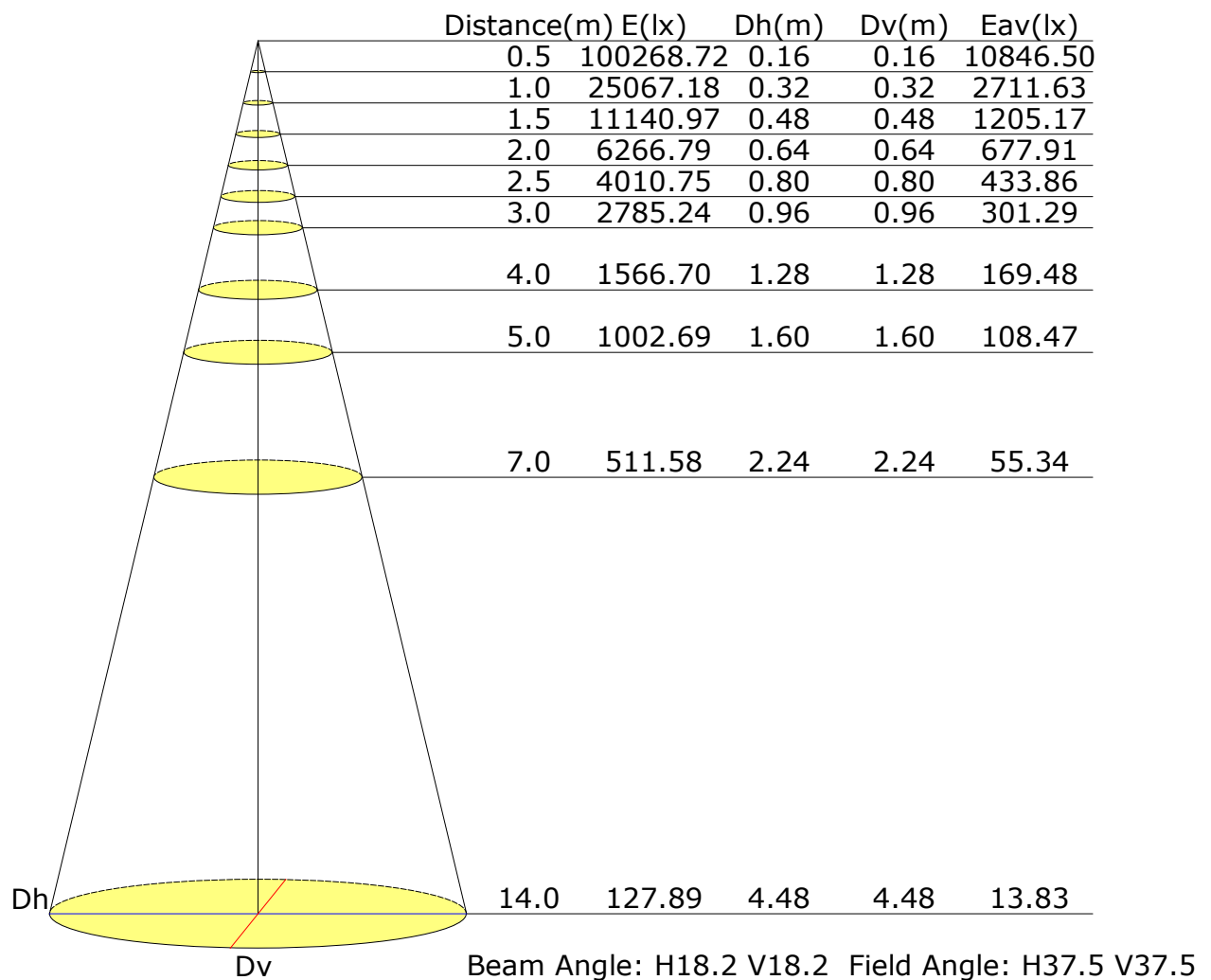
Test Device: CHL-6E

Distance: 3.000 m

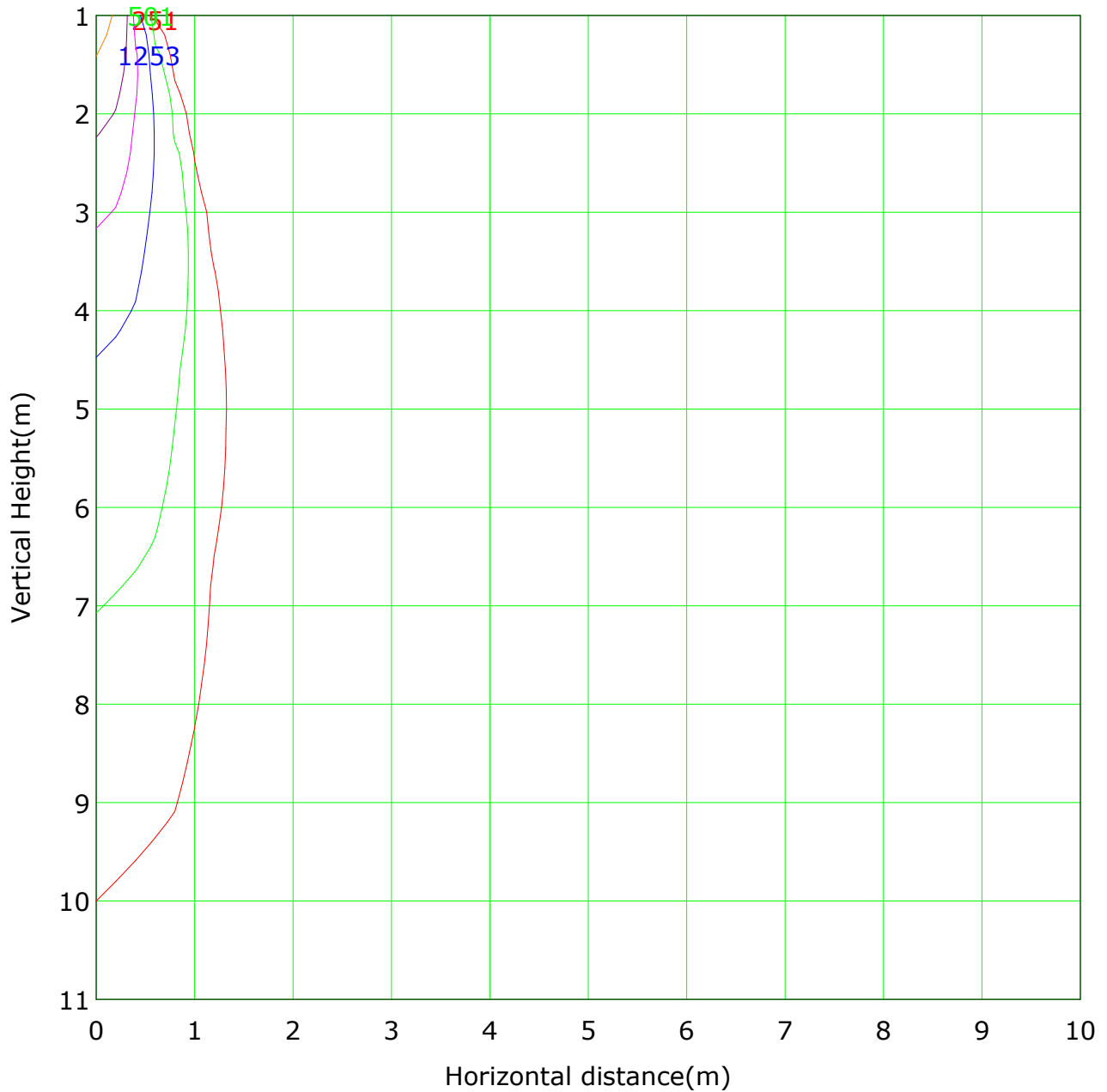
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

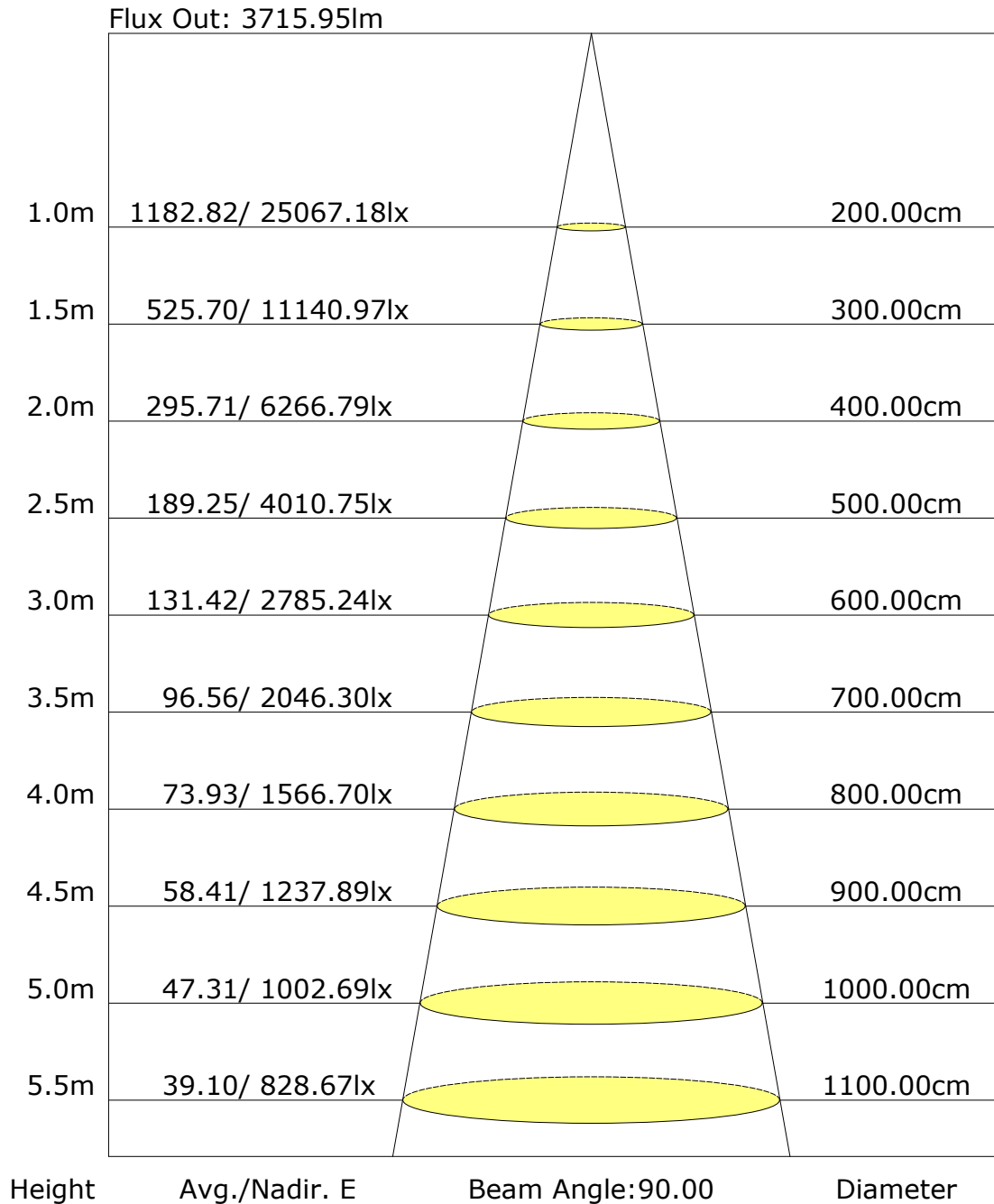


Lowest(m): 1m Highest(m): 11 Max Lux: 25067
— (1%): 251 lx — (2%): 501 lx
— (5%): 1253 lx — (10%): 2507 lx
— (20%): 5013 lx — (50%): 12534 lx
— (100%): 25067 lx

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: