

Report No.: 93.05512 FOS Surface Mounted Test Time: 2023-09-19 17:03

Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 220.2 V

Current: 0.138 A

Power: 15.90 W

Power Factor: 0.525

Photometric Results

CIE Class: Direct

Measurement Flux: 1782.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H48.8

Vertical Diffuse Angle(50%): V48.8

Luminaire Efficacy Rating (LER): 112

Max. Intensity: 2796.85 cd

Total Rated Lamp Lumens: 1782.1 lm

Efficiency: 100%

Upward Ratio: 0%

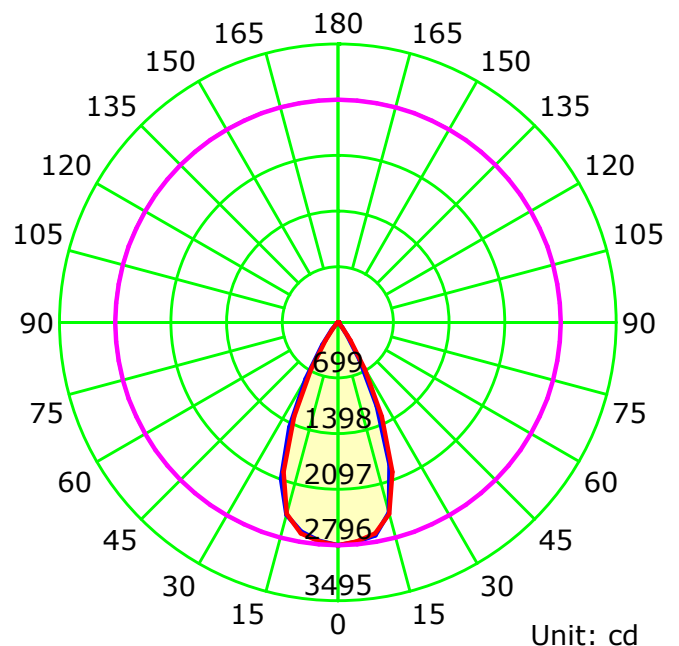
Central Intensity: 2796.84 cd

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

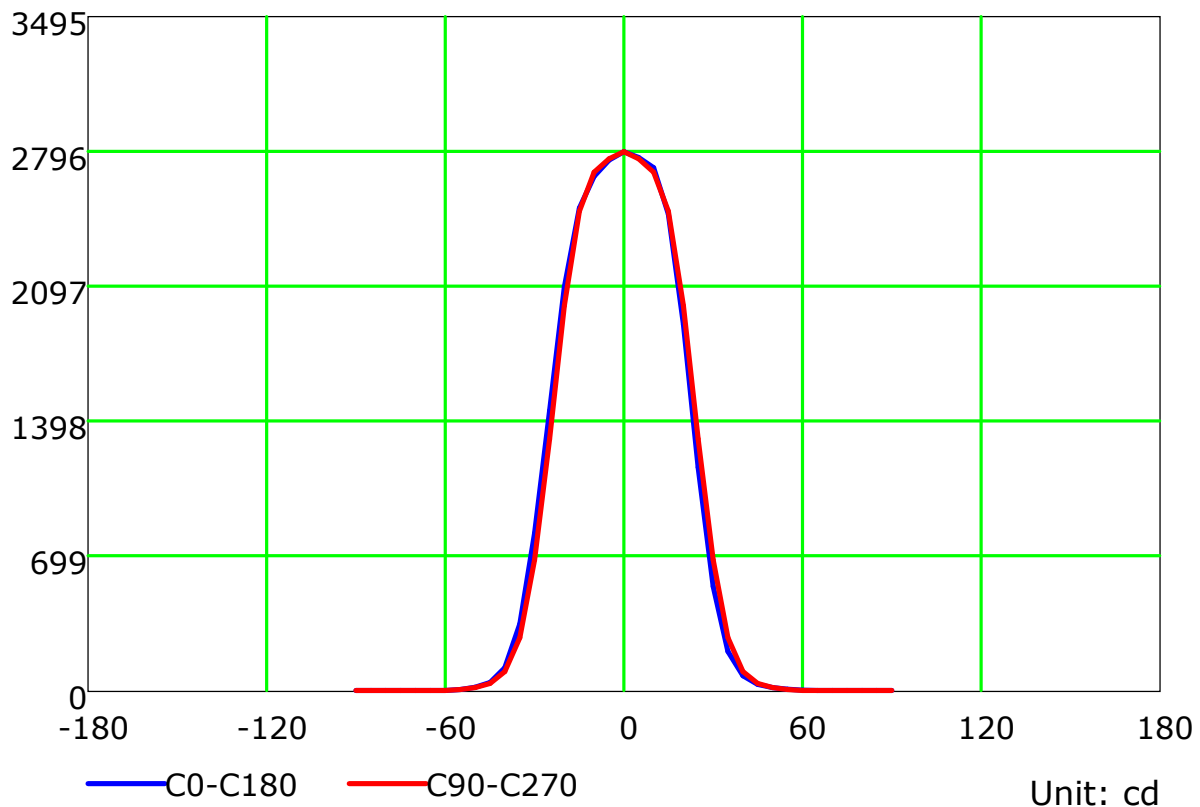
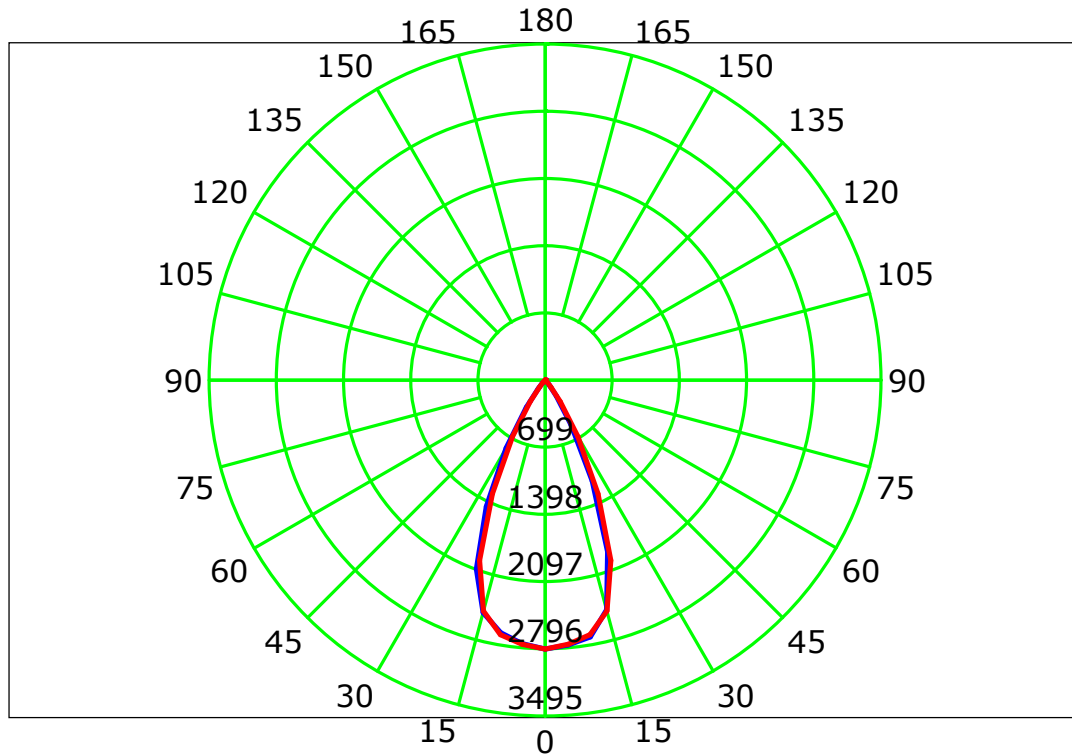
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

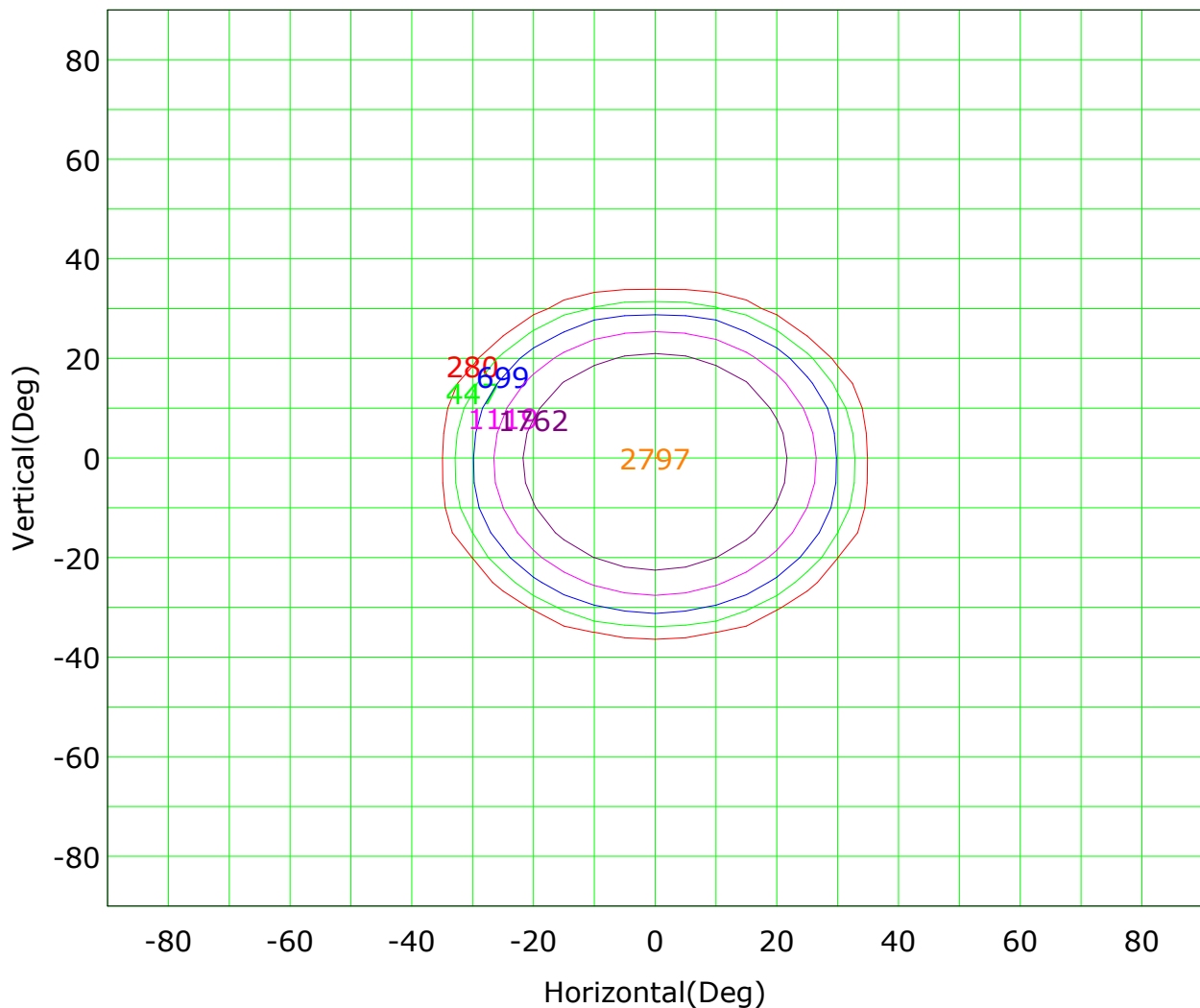
Luminous Intensity Distribution Curve



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%): 2797 cd

(10%): 280 cd	(16%): 447 cd
(25%): 699 cd	(40%): 1119 cd
(63%): 1762 cd	(100%): 2797 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

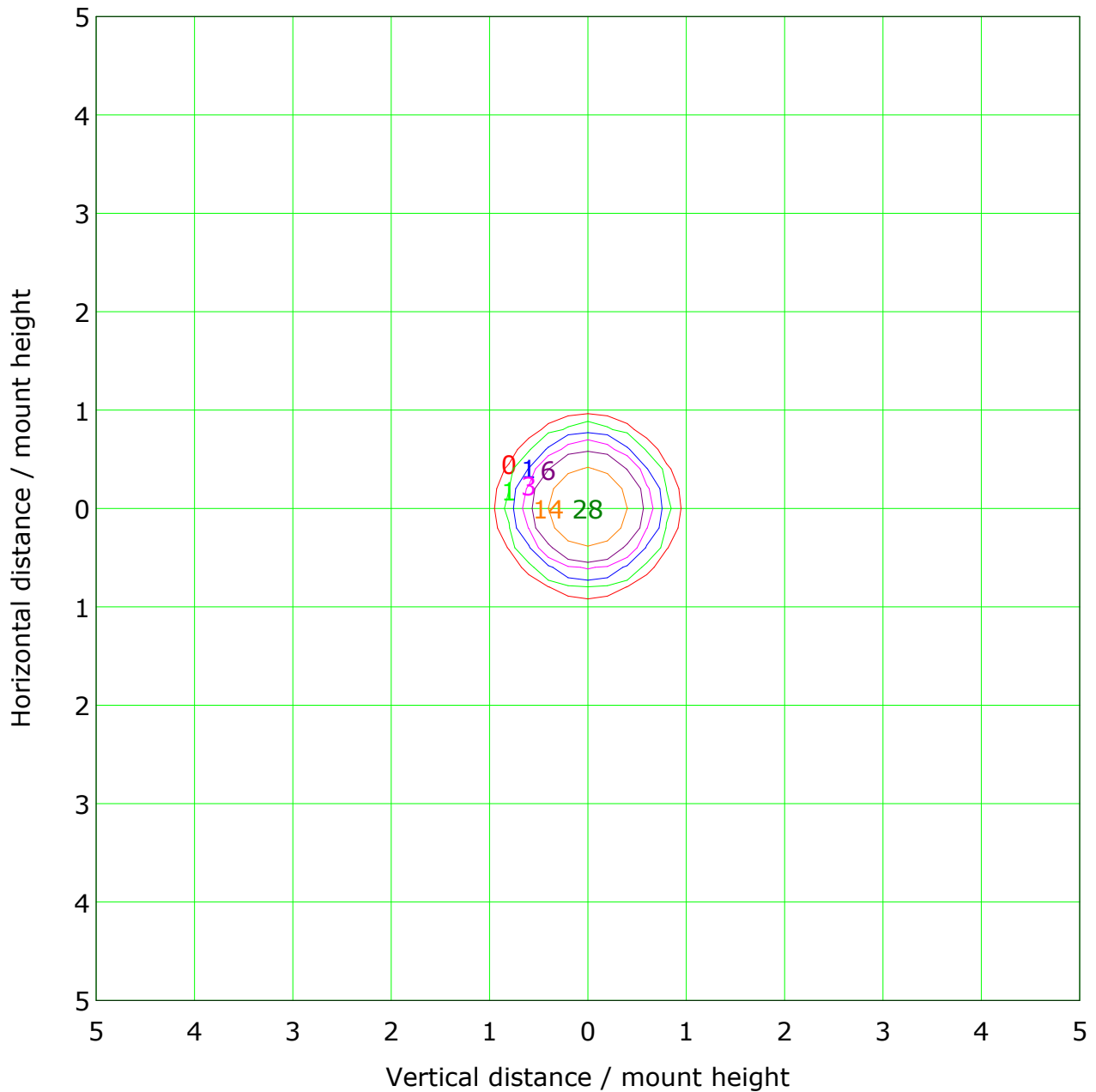
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

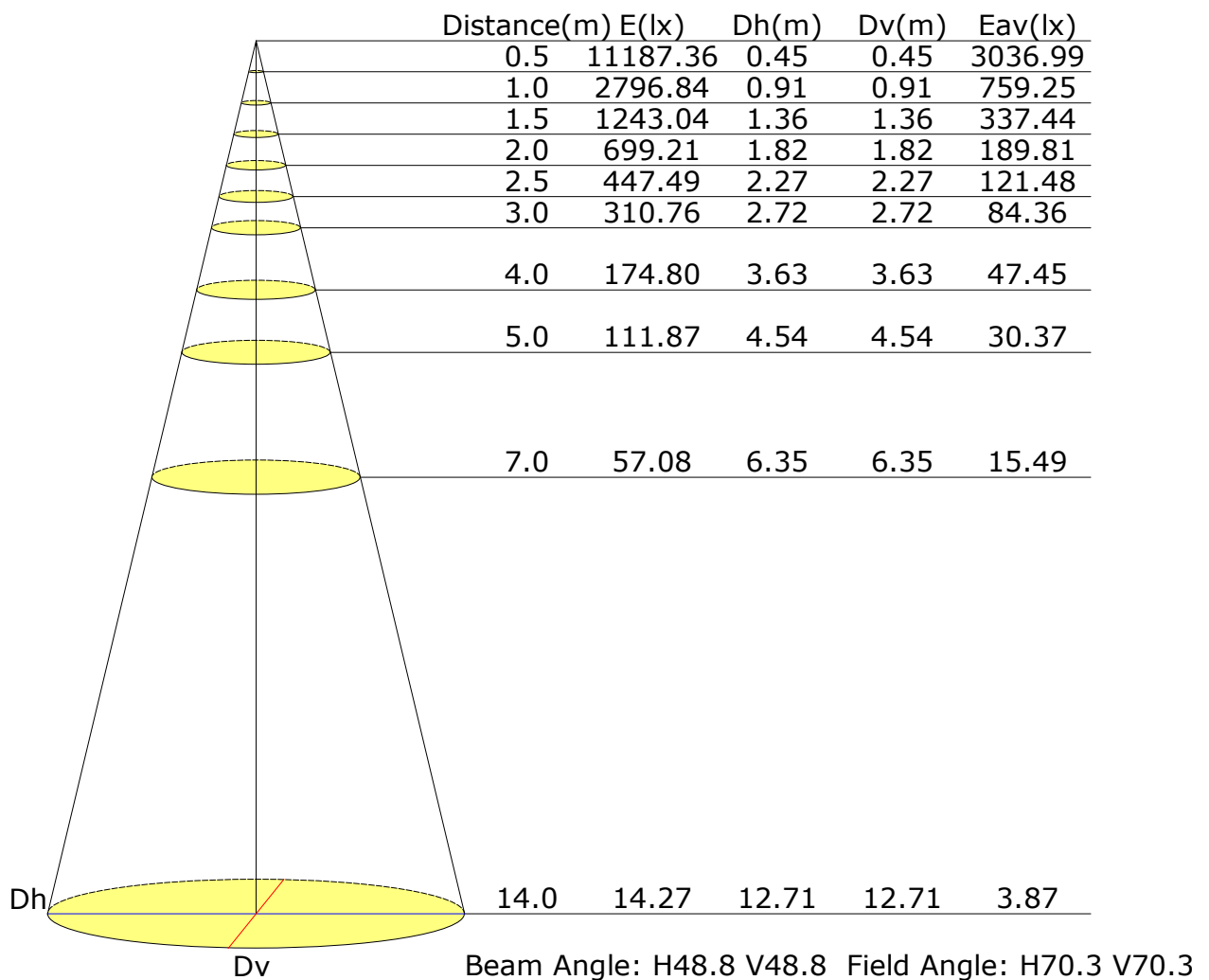


Mounting Height: 10m		Max Lux(100%): 28 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	1 lx	(10%):	3 lx
(20%):	6 lx	(50%):	14 lx
(100%):	28 lx		

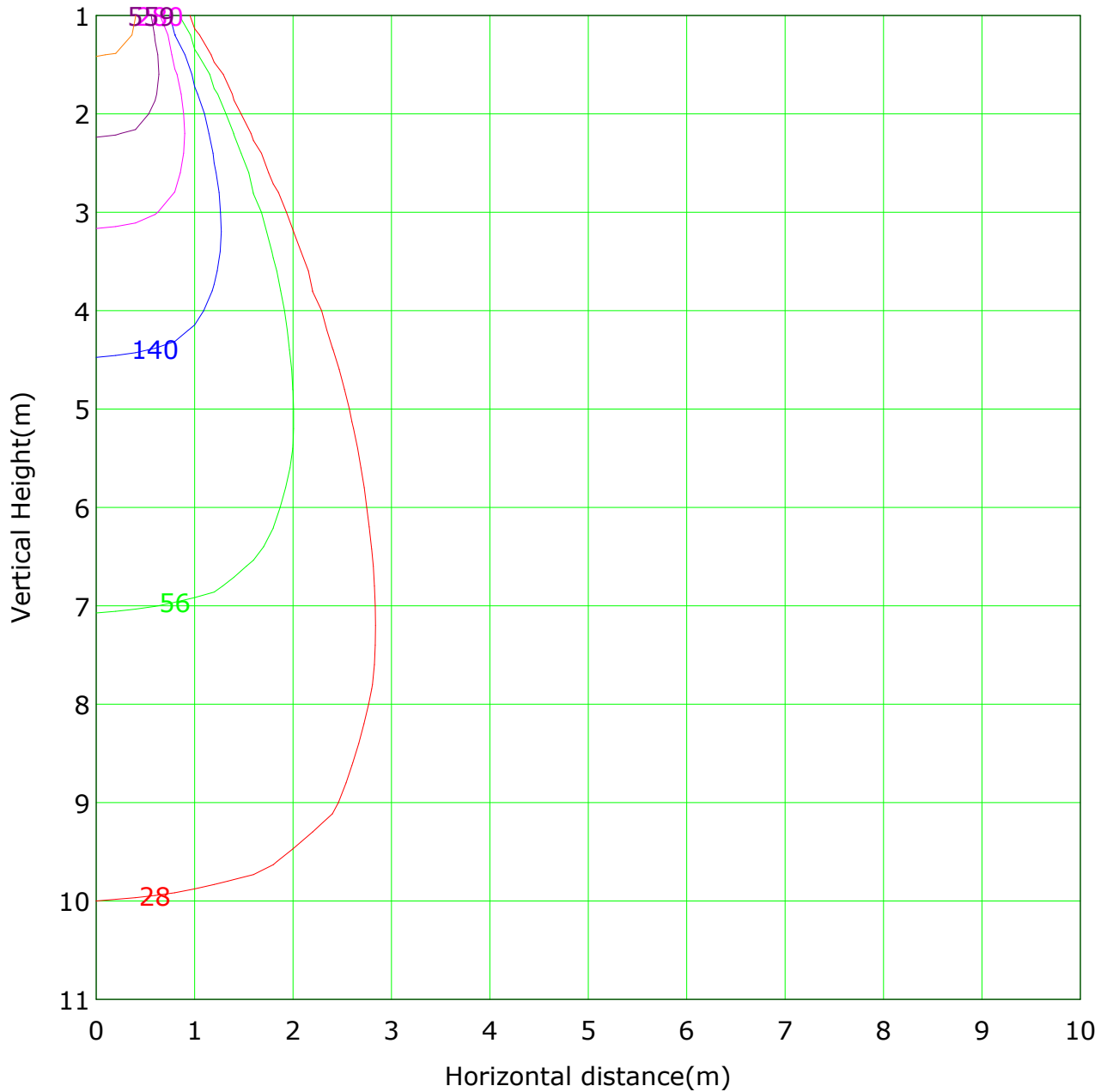
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

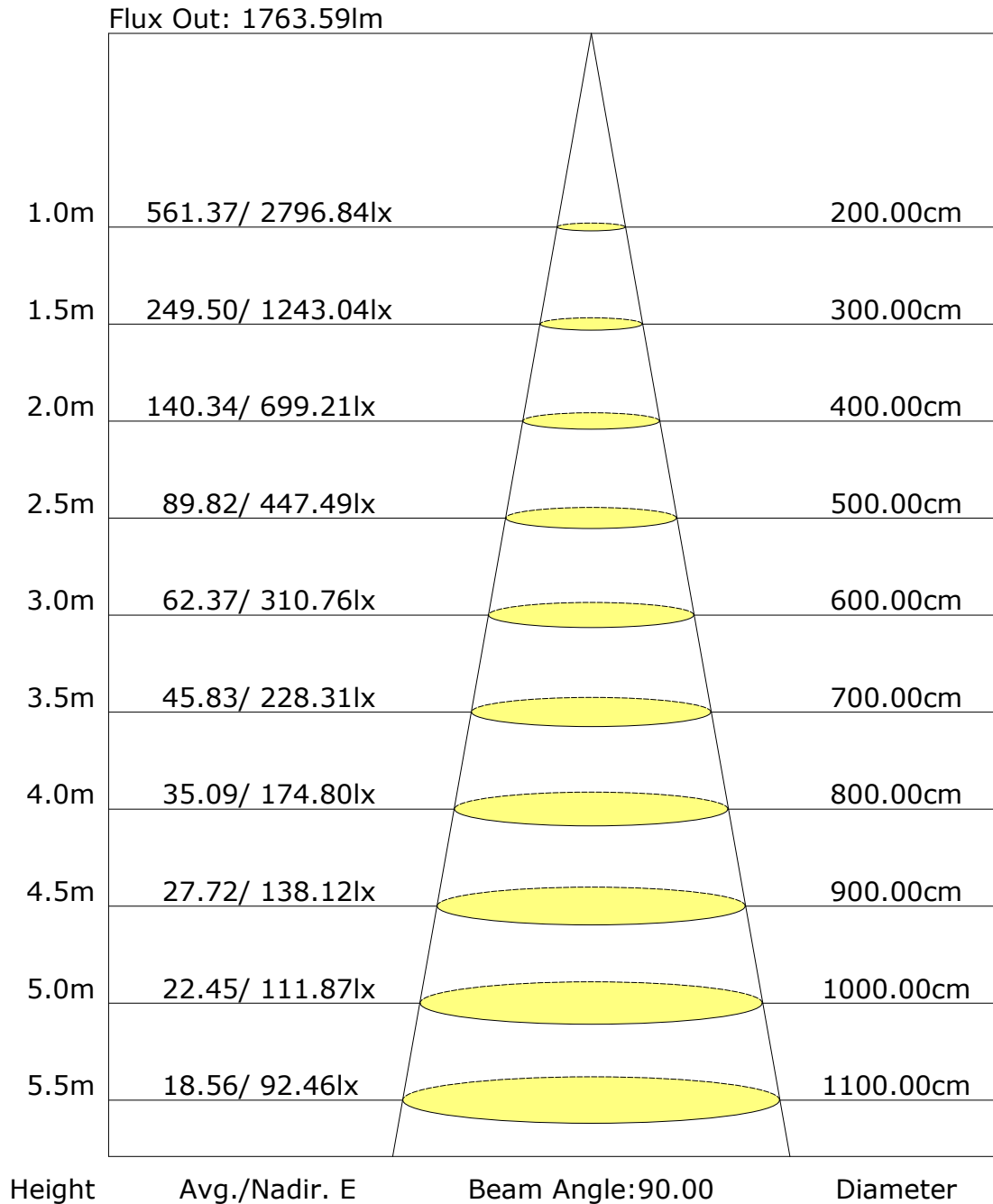


Lowest(m): 1m	Highest(m): 11	Max Lux: 2797
(1%): 28 lx	(2%): 56 lx	
(5%): 140 lx	(10%): 280 lx	
(20%): 559 lx	(50%): 1398 lx	
(100%): 2797 lx		

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: