

Report No.: 52.11012 DownLight

Test Time: 2023-09-28 15:16

Luminaire Property

Luminaire Category: Bridgelux V10 F90 4000K CRI90

Voltage: 224.8 V

Current: 0.112 A

Power: 24.20 W

Power Factor: 0.964

Photometric Results

CIE Class: Direct

Measurement Flux: 2615.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H31.4

Vertical Diffuse Angle(50%): V31.4

Luminaire Efficacy Rating (LER): 108

Max. Intensity: 8823.41 cd

Total Rated Lamp Lumens: 2615.7 lm

Efficiency: 100%

Upward Ratio: 0%

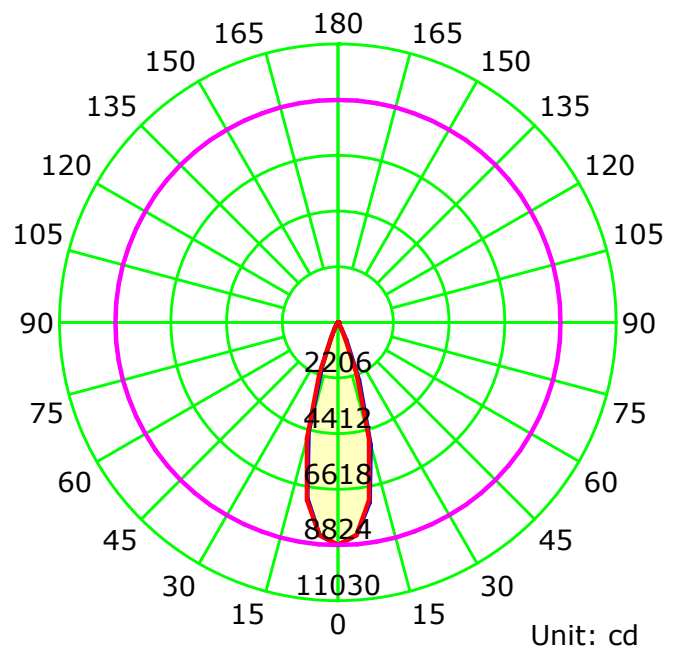
Central Intensity: 8823.4 cd

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

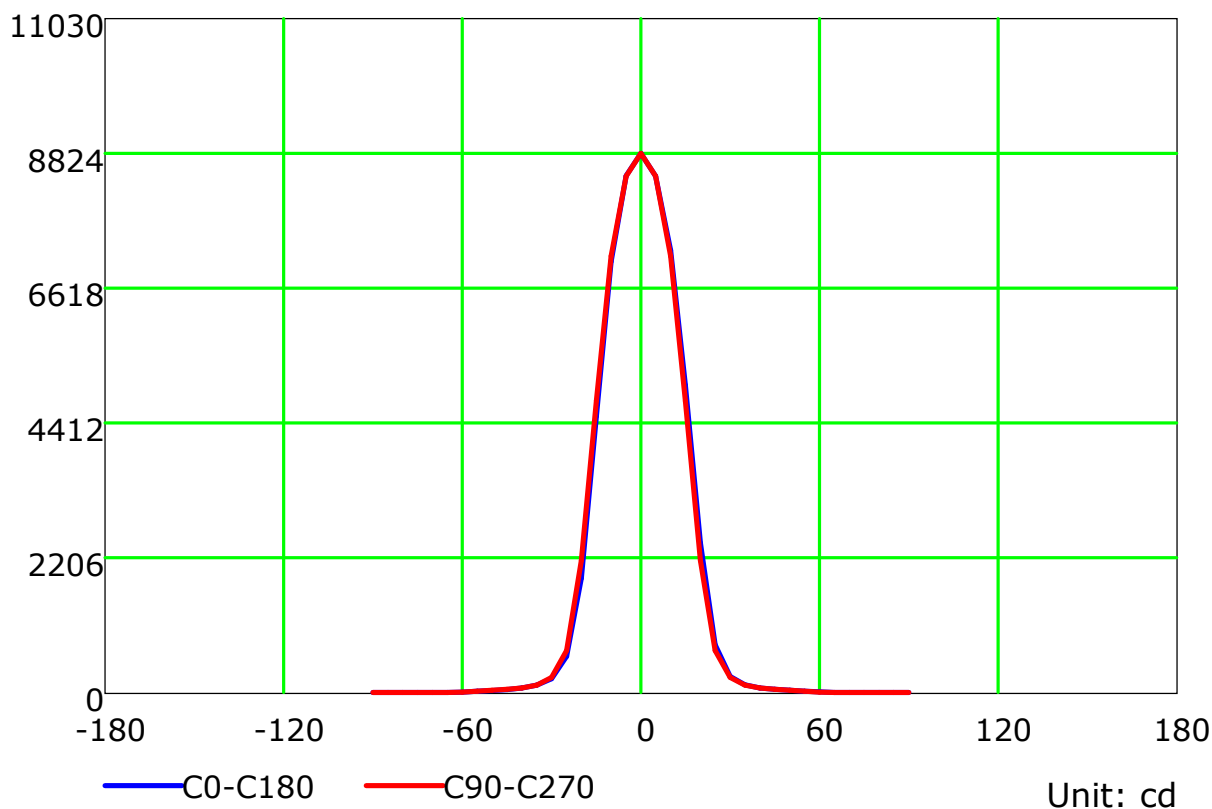
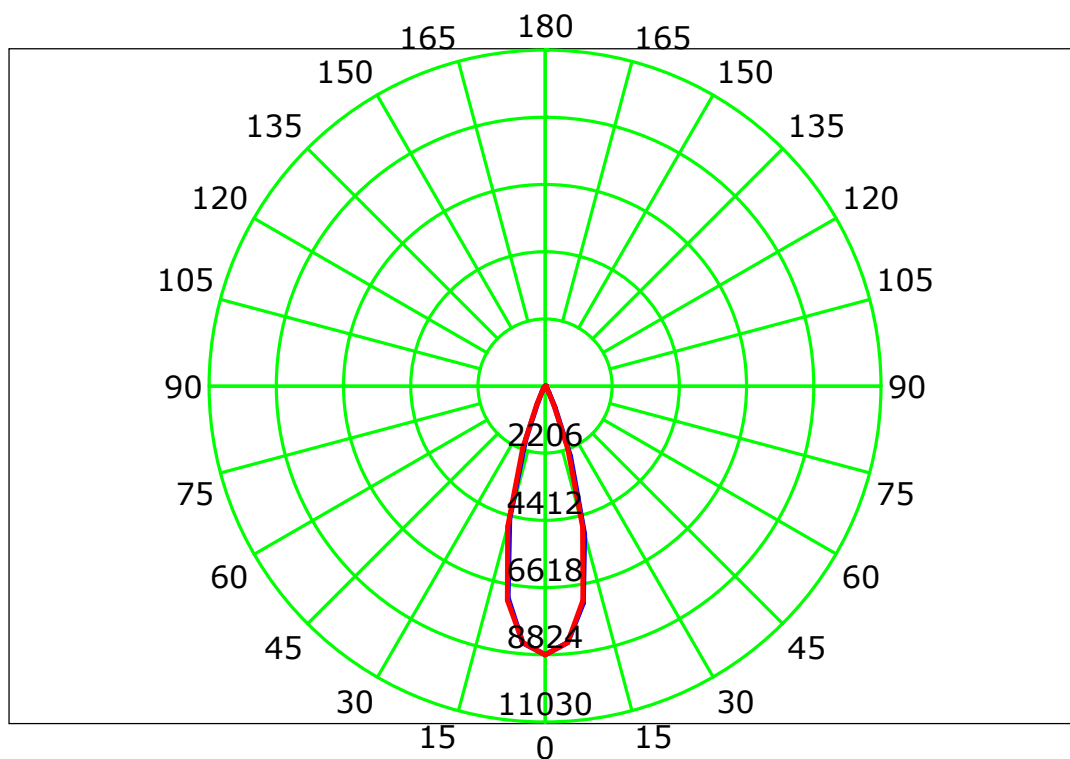
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

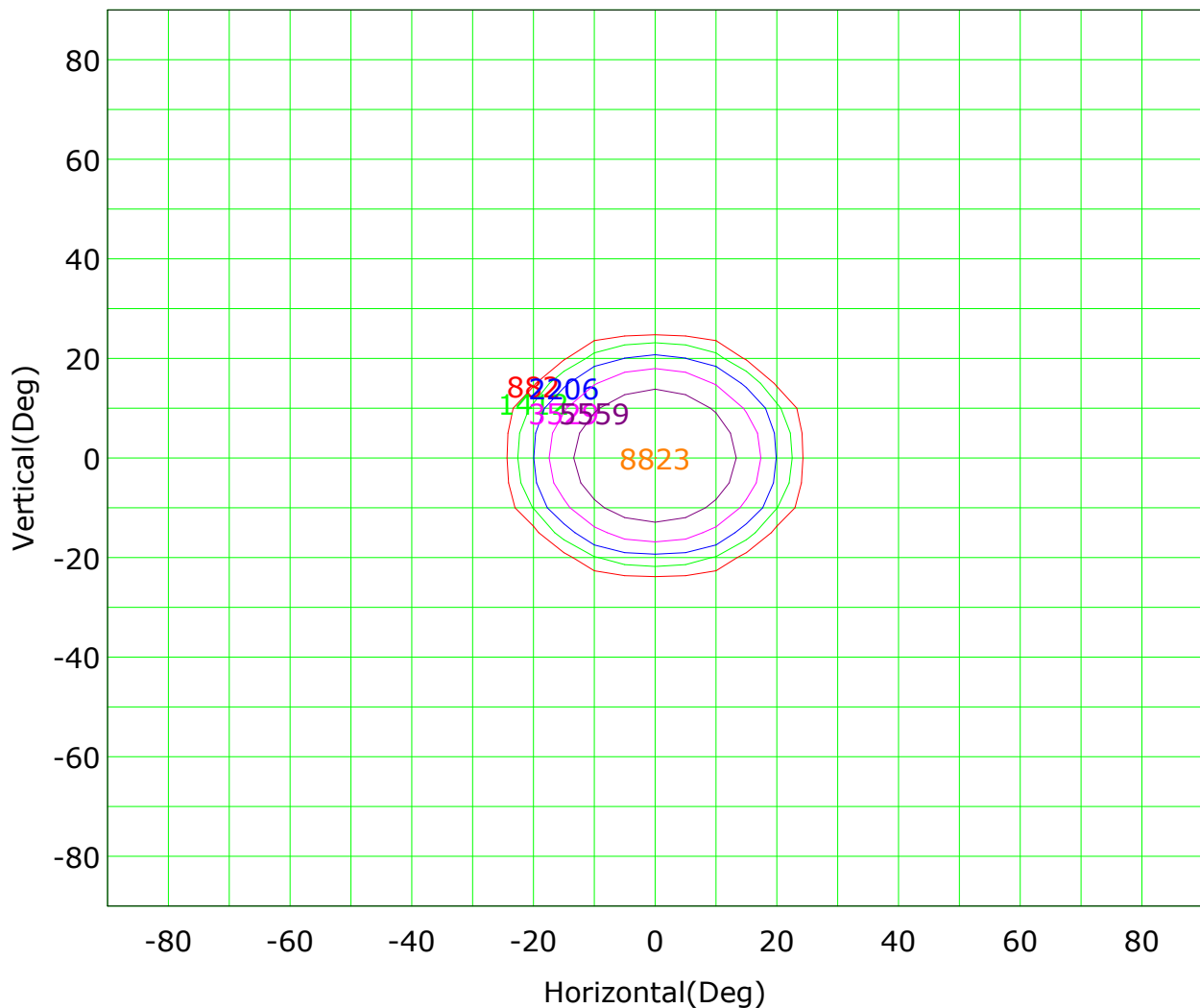
Luminous Intensity Distribution Curve



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%): 8823 cd

(10%): 882 cd	(16%): 1412 cd
(25%): 2206 cd	(40%): 3529 cd
(63%): 5559 cd	(100%): 8823 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

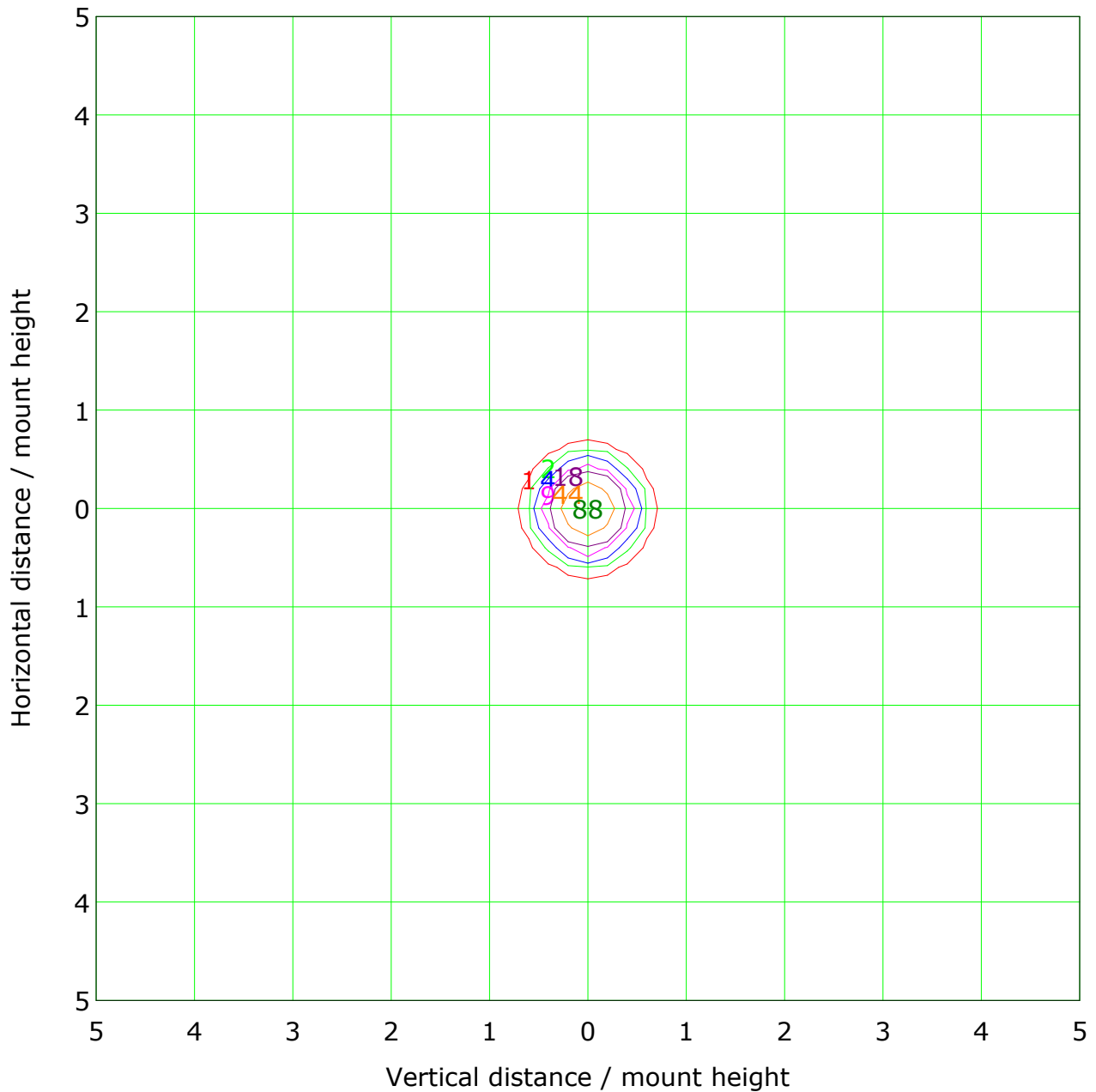
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

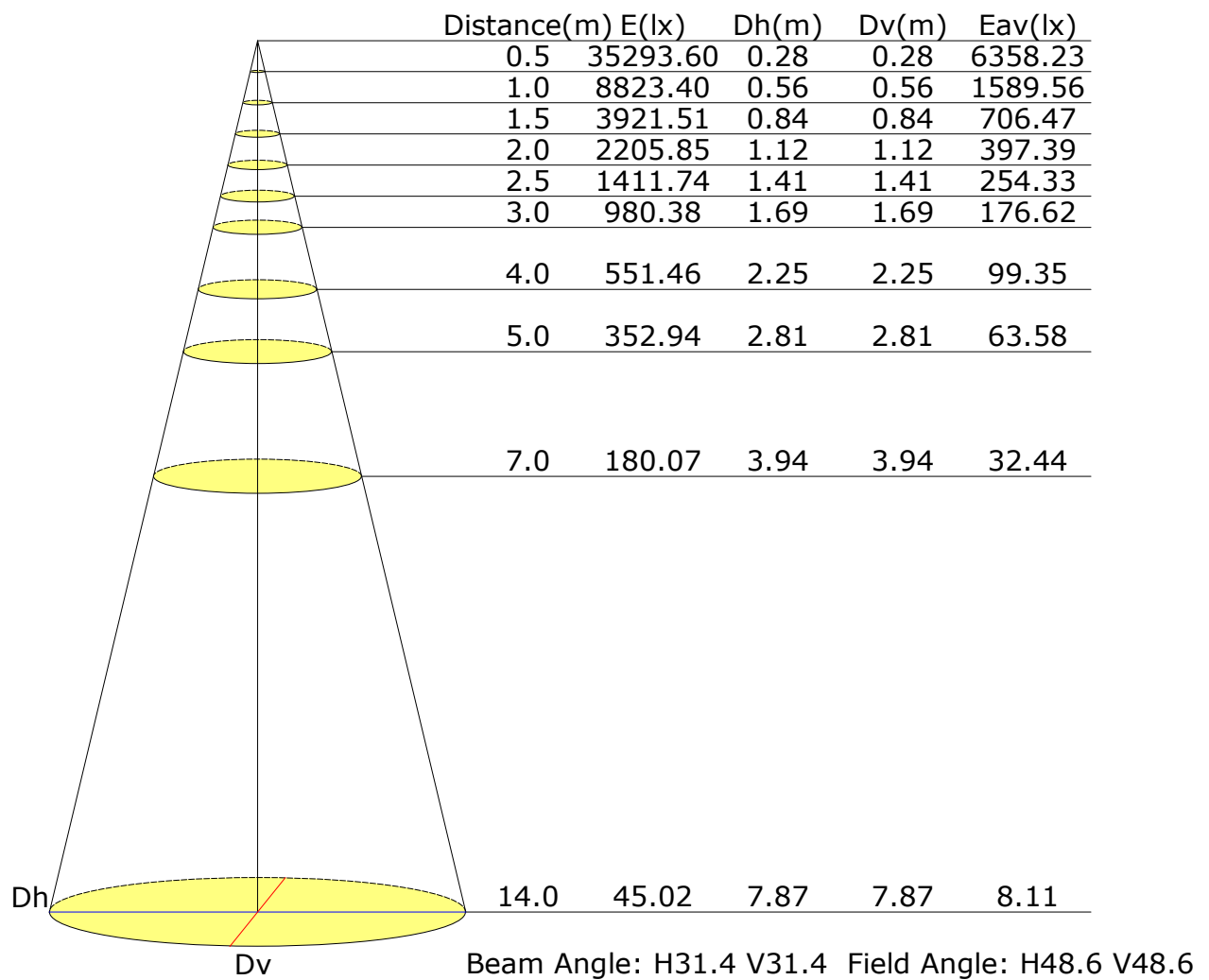


Mounting Height: 10m		Max Lux(100%): 88 lx	
(1%):	1 lx	(2%):	2 lx
(5%):	4 lx	(10%):	9 lx
(20%):	18 lx	(50%):	44 lx
(100%):	88 lx		

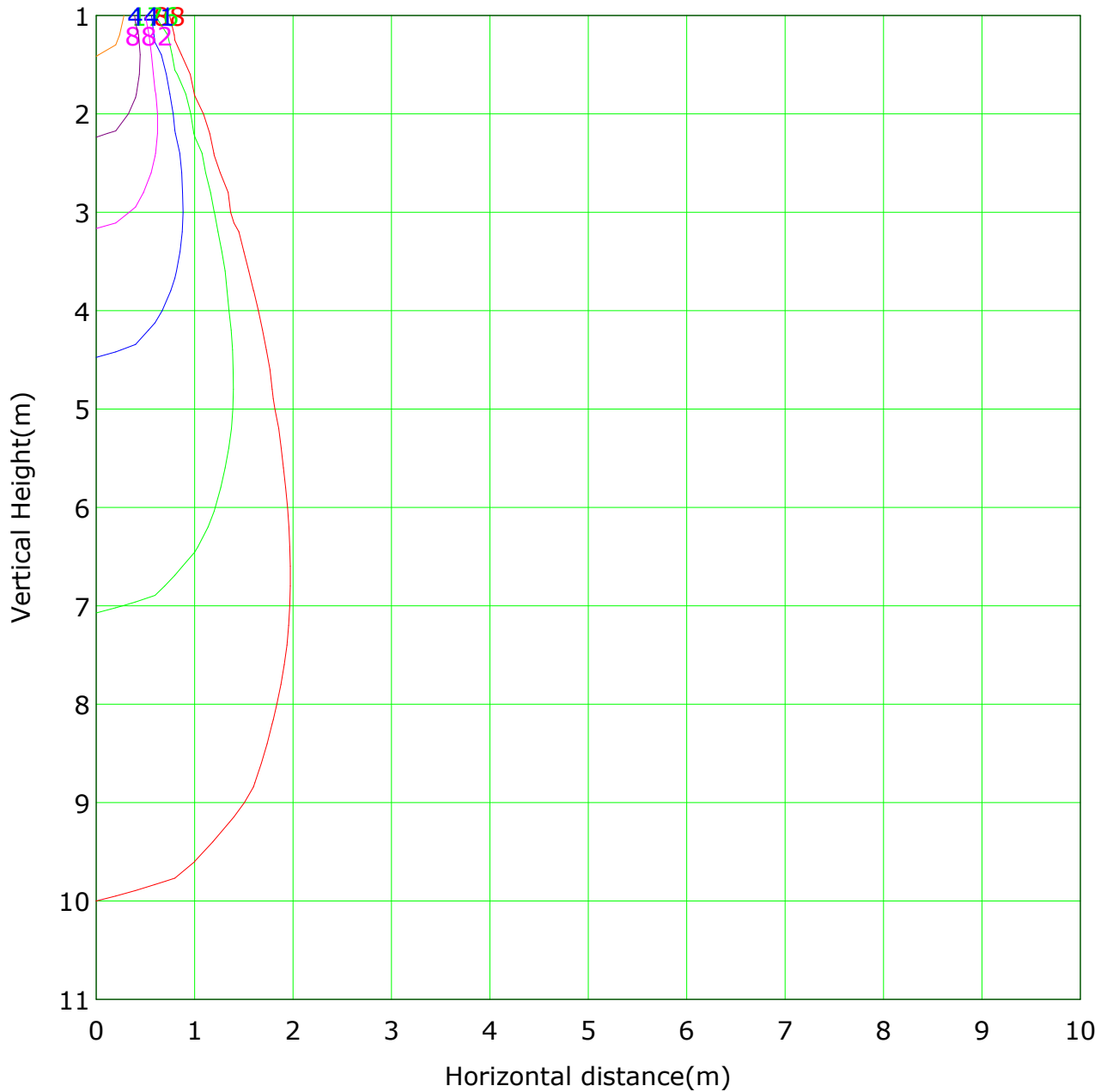
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



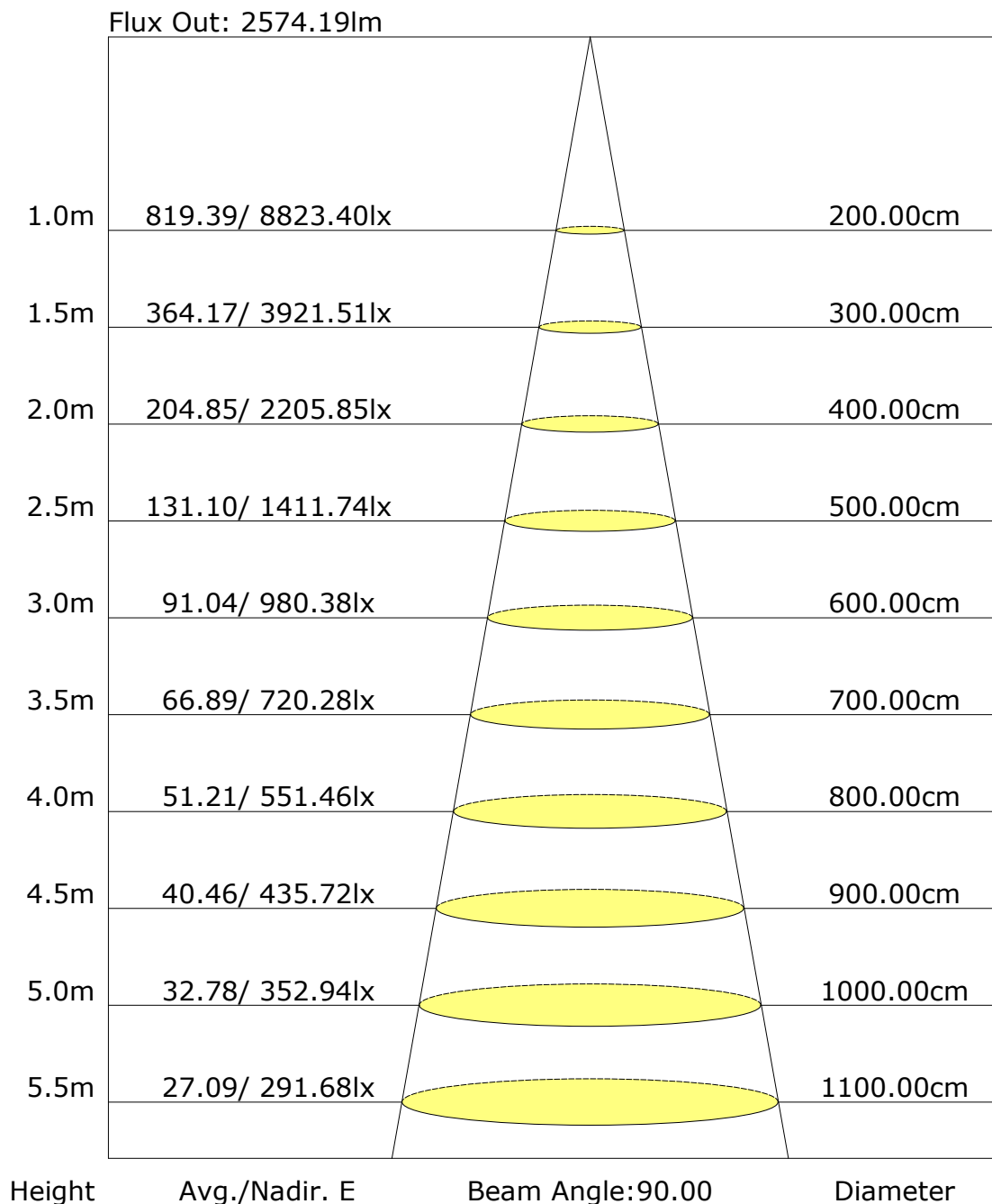
Lowest(m): 1m Highest(m): 11 Max Lux: 8823

(1%): 88 lx	(2%): 176 lx
(5%): 441 lx	(10%): 882 lx
(20%): 1765 lx	(50%): 4412 lx
(100%): 8823 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: