

Report No.: 51.07518 SILM Downlight

Test Time: 2023-09-19 10:26

Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90

Voltage: 218.5 V

Current: 0.113 A

Power: 24.30 W

Power Factor: 0.977

Photometric Results

CIE Class: Direct

Measurement Flux: 2795.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H31.1

Vertical Diffuse Angle(50%): V31.1

Luminaire Efficacy Rating (LER): 115

Max. Intensity: 9869.85 cd

Total Rated Lamp Lumens: 2795.5 lm

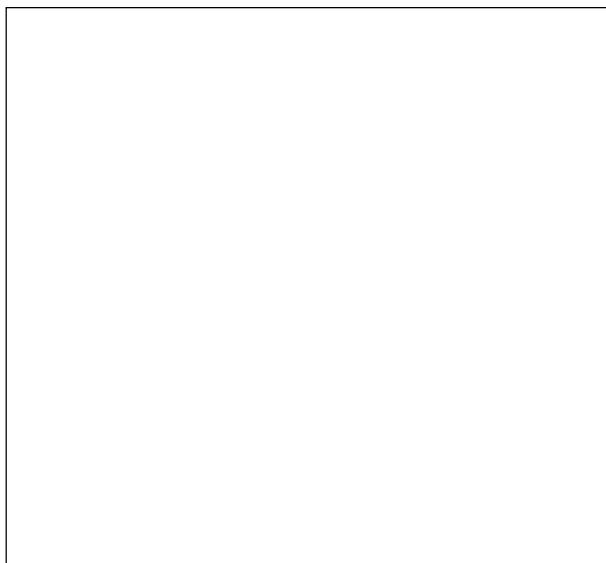
Efficiency: 100%

Upward Ratio: 0%

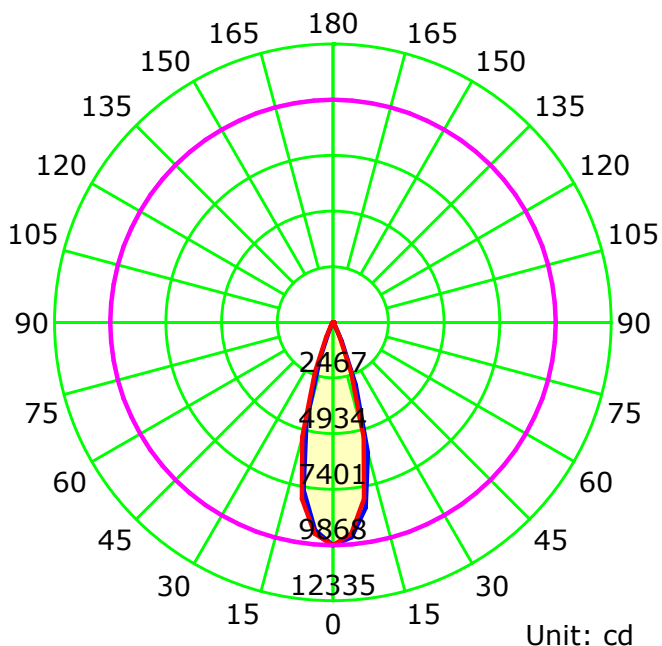
Central Intensity: 9869.85 cd

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

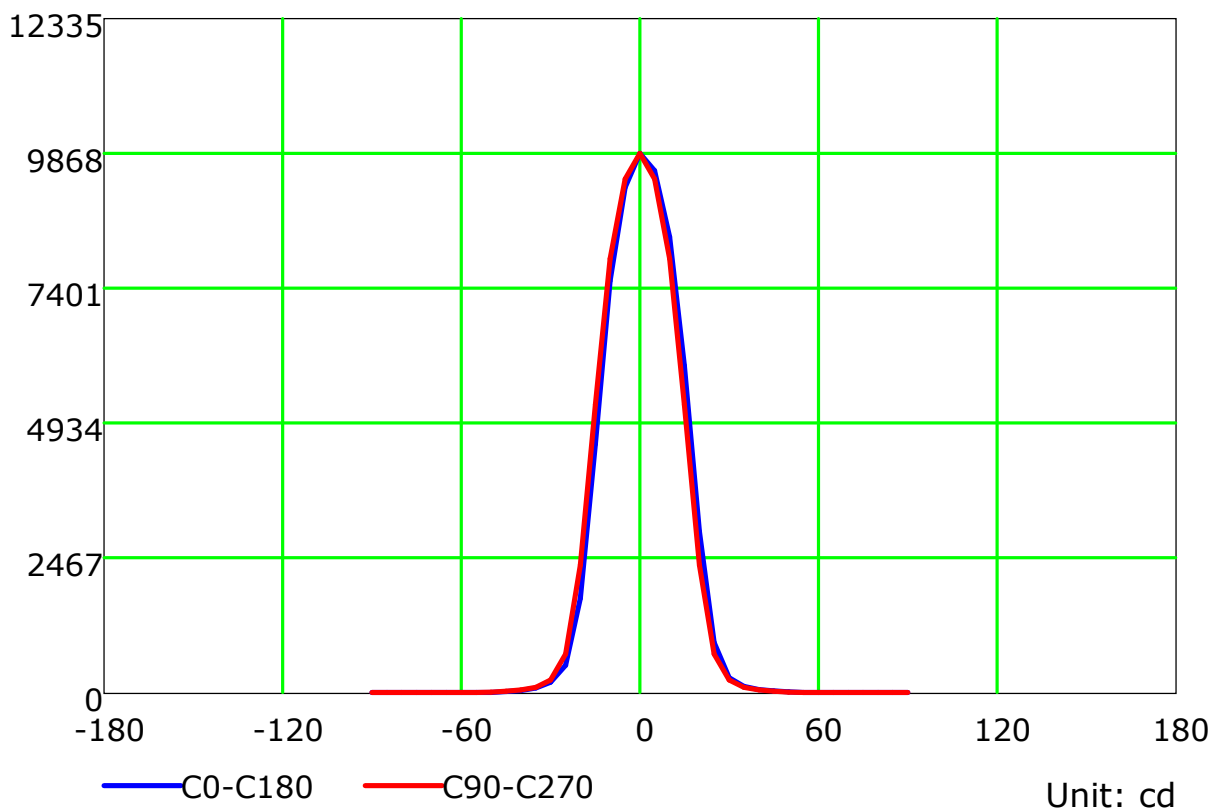
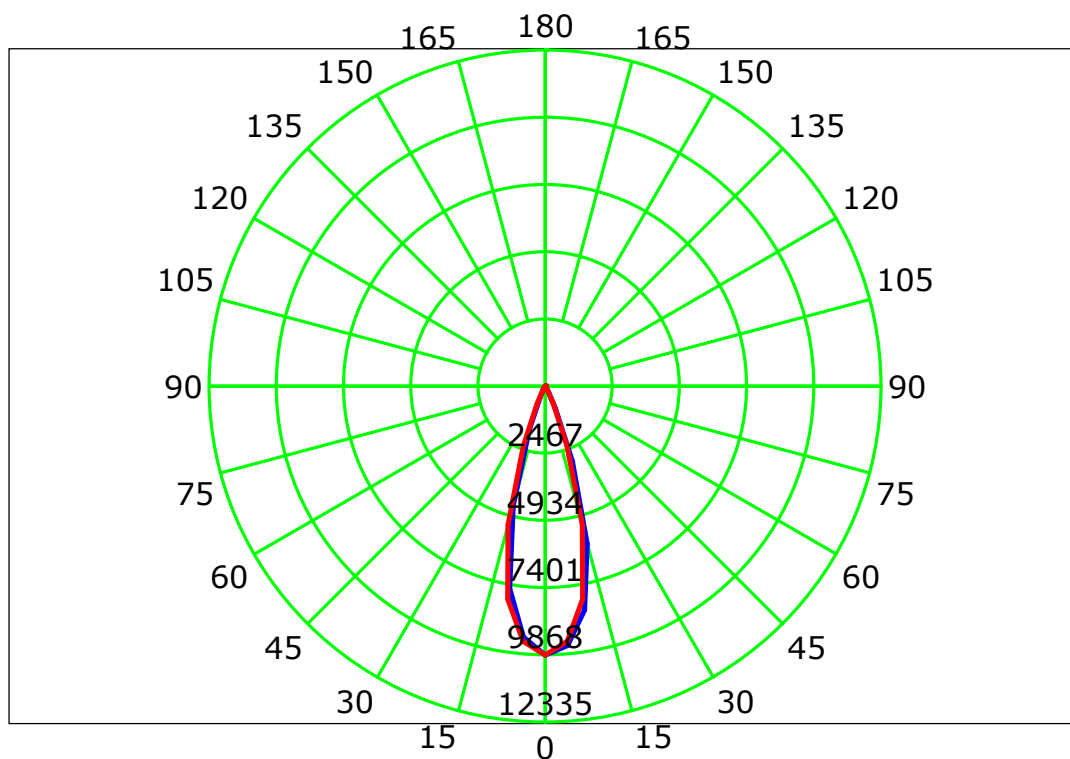
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

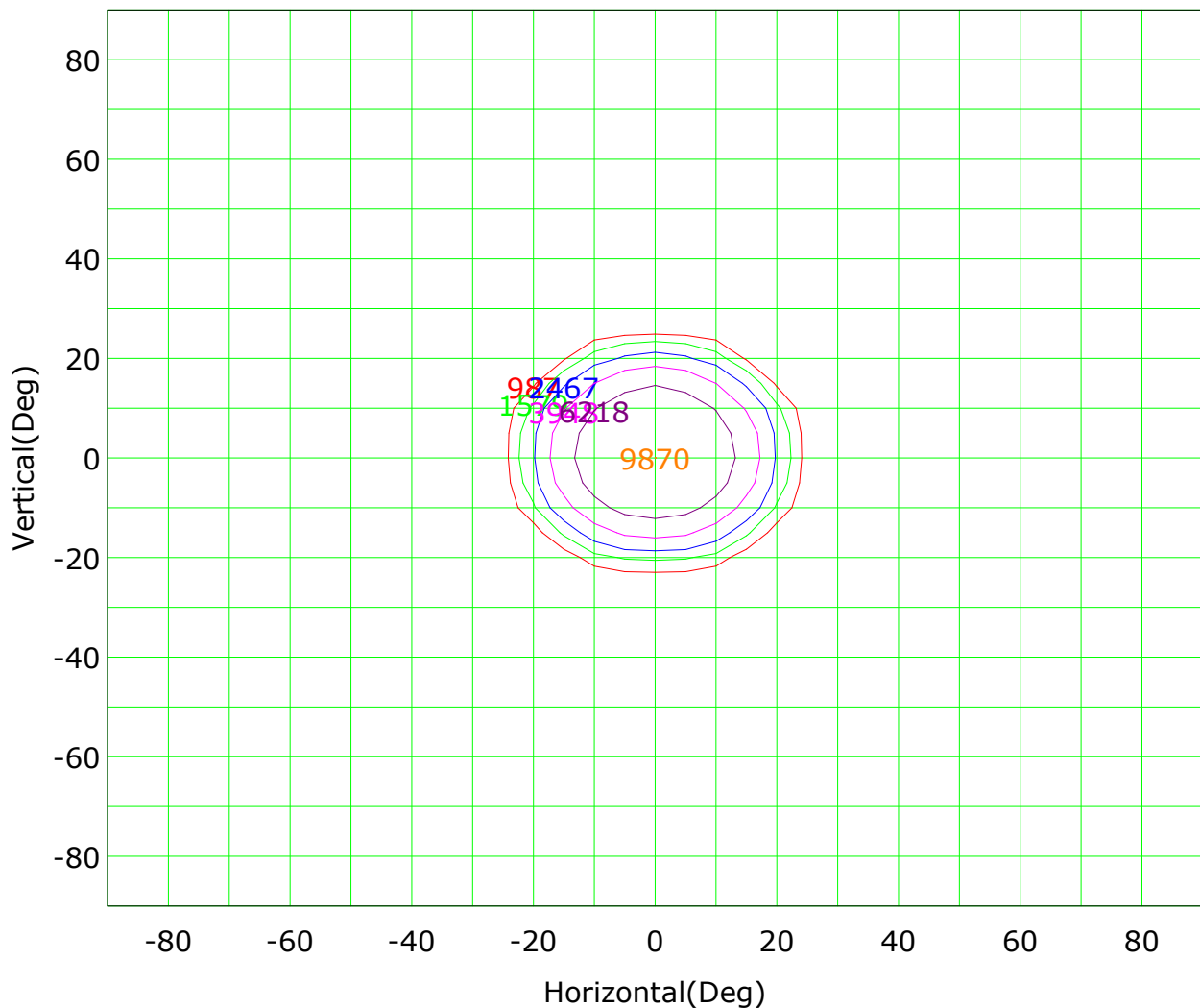
Luminous Intensity Distribution Curve



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%): 9870 cd

(10%): 987 cd	(16%): 1579 cd
(25%): 2467 cd	(40%): 3948 cd
(63%): 6218 cd	(100%): 9870 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

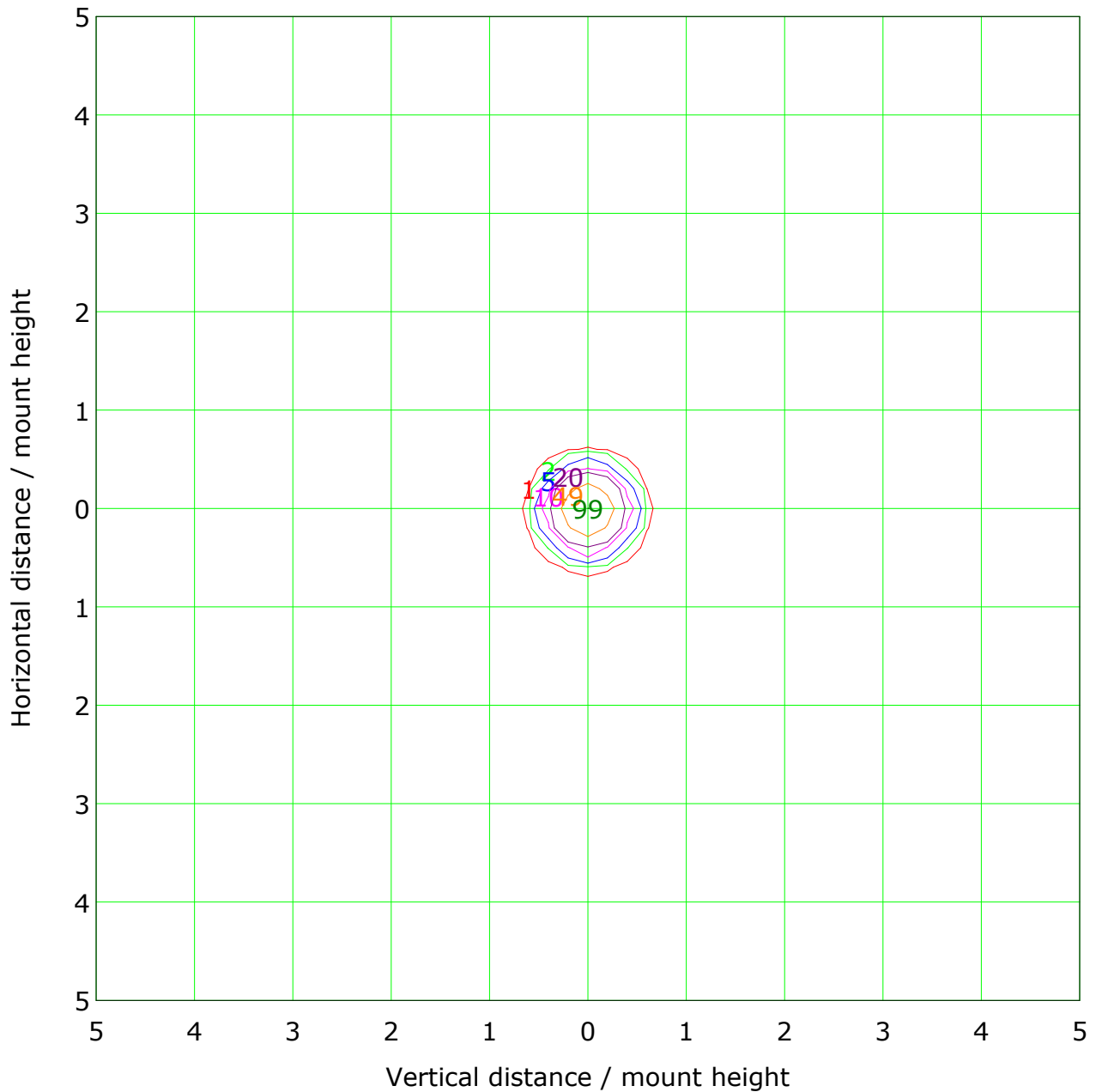
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 99 lx			
(1%):	1 lx	(2%):	2 lx
(5%):	5 lx	(10%):	10 lx
(20%):	20 lx	(50%):	49 lx
(100%):	99 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

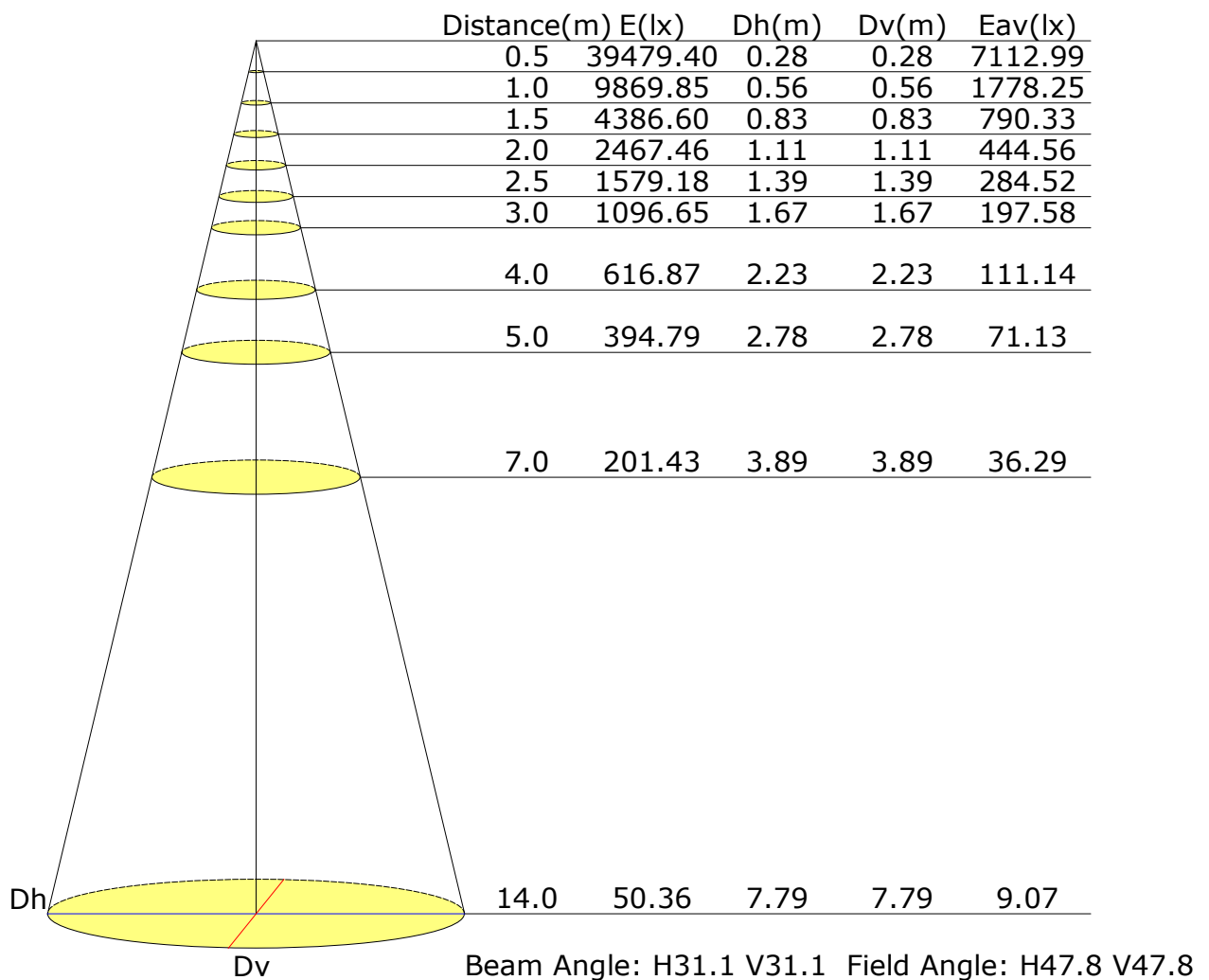
Test Device: CHL-6E

Distance: 3.000 m

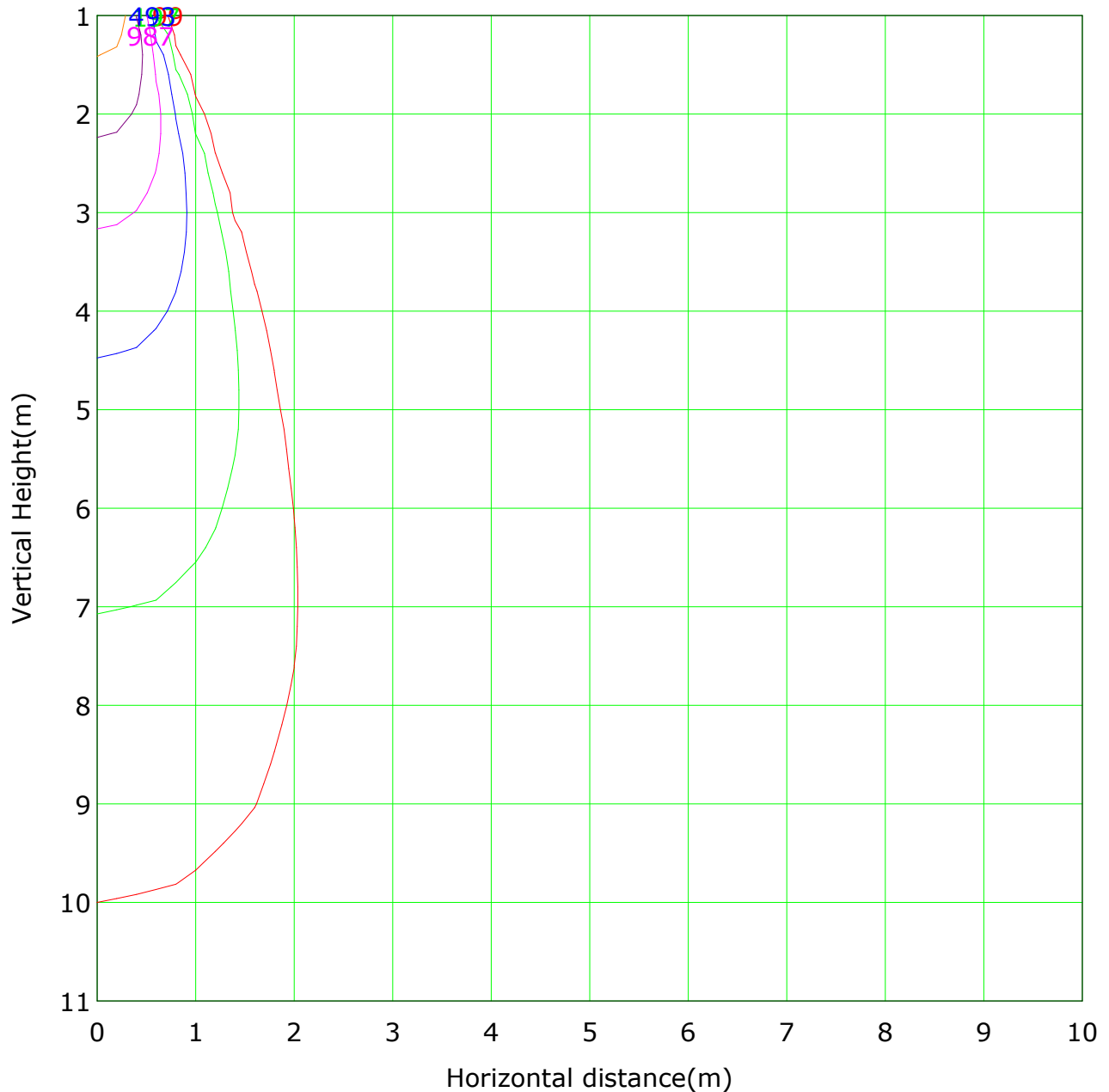
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



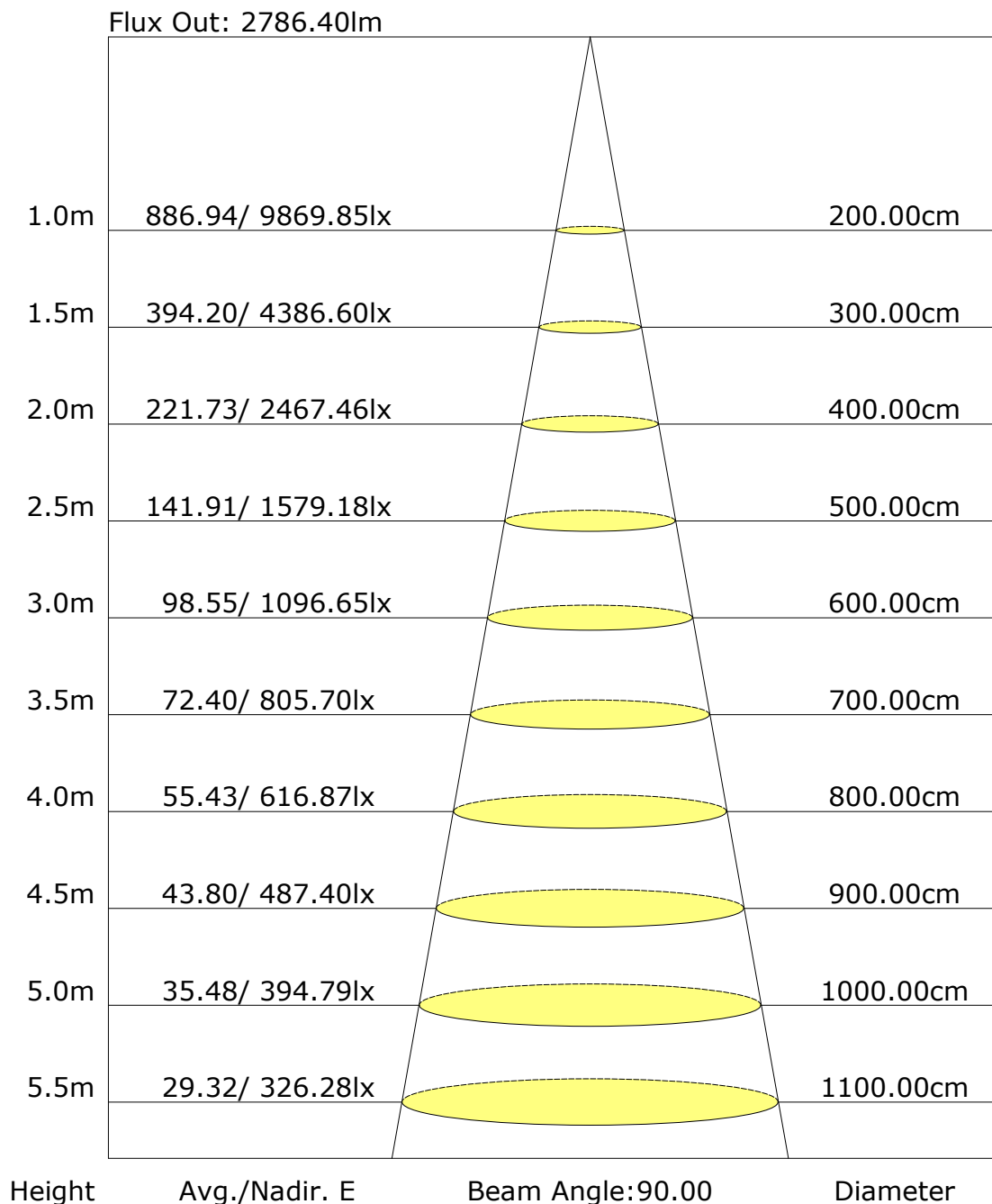
Lowest(m): 1m Highest(m): 11 Max Lux: 9870

(1%): 99 lx	(2%): 197 lx
(5%): 493 lx	(10%): 987 lx
(20%): 1974 lx	(50%): 4935 lx
(100%): 9870 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: