

Report No.: 52.05521 UTH Down Light

Test Time: 2023-10-12 18:00

Luminaire Property

Luminaire Category: Bridgelux V3HD 3000K CRI90

Voltage: 229.9 V

Current: 0.051 A

Power: 6.90 W

Power Factor: 0.583

Photometric Results

CIE Class: Direct

Measurement Flux: 451.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H34.6

Vertical Diffuse Angle(50%): V34.6

Luminaire Efficacy Rating (LER): 65

Max. Intensity: 1094.97 cd

Total Rated Lamp Lumens: 451.7 lm

Efficiency: 100%

Upward Ratio: 0%

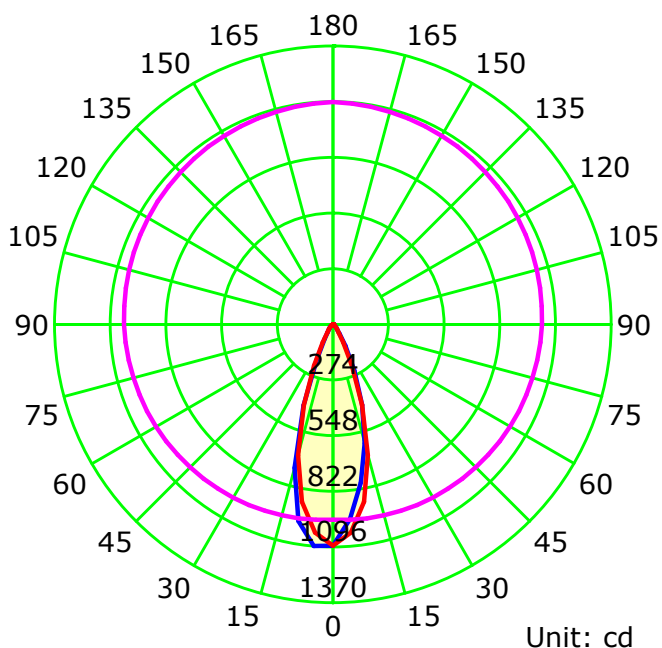
Central Intensity: 1089.12 cd

Pos of Max. Intensity: H180 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

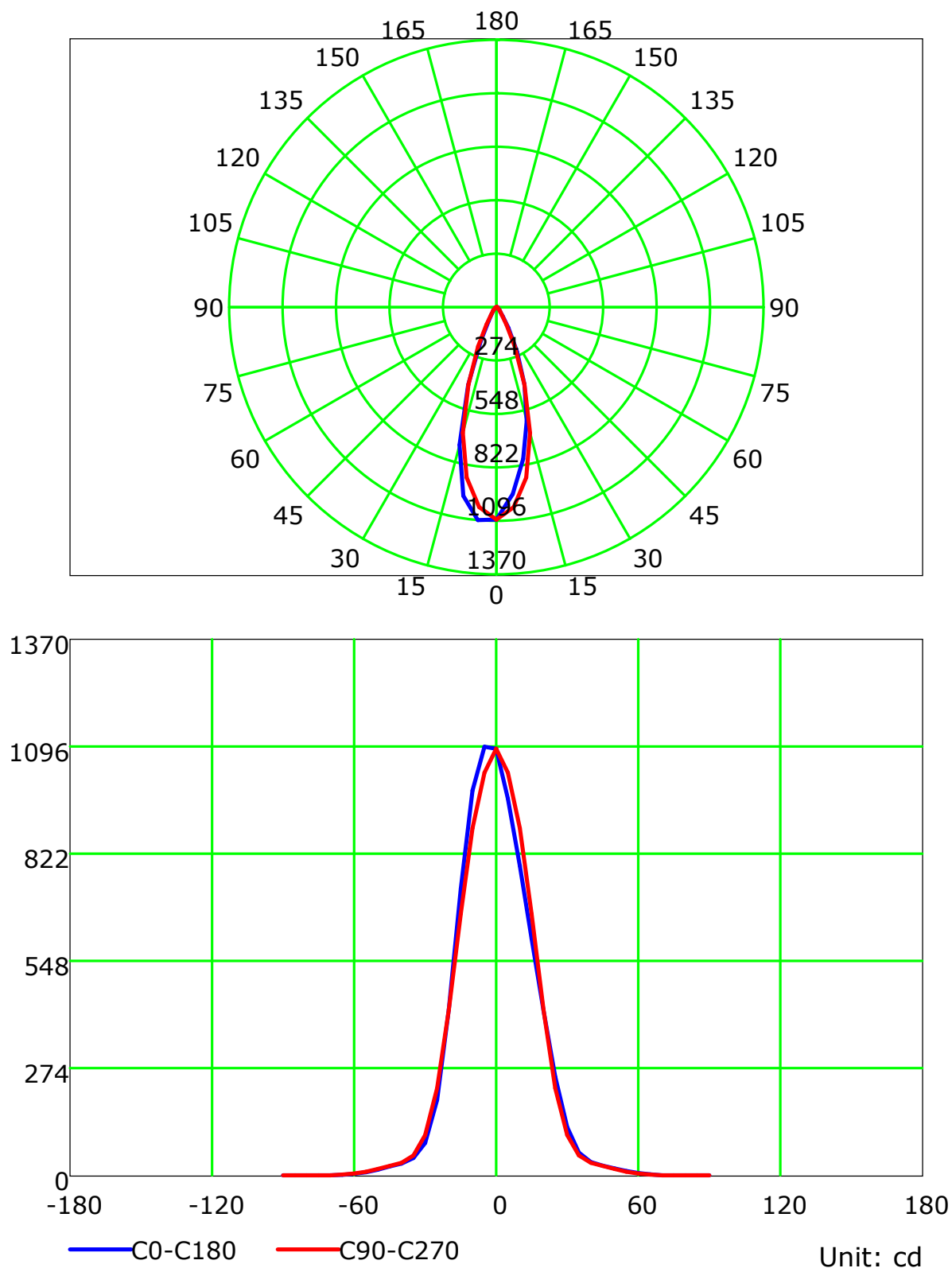
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

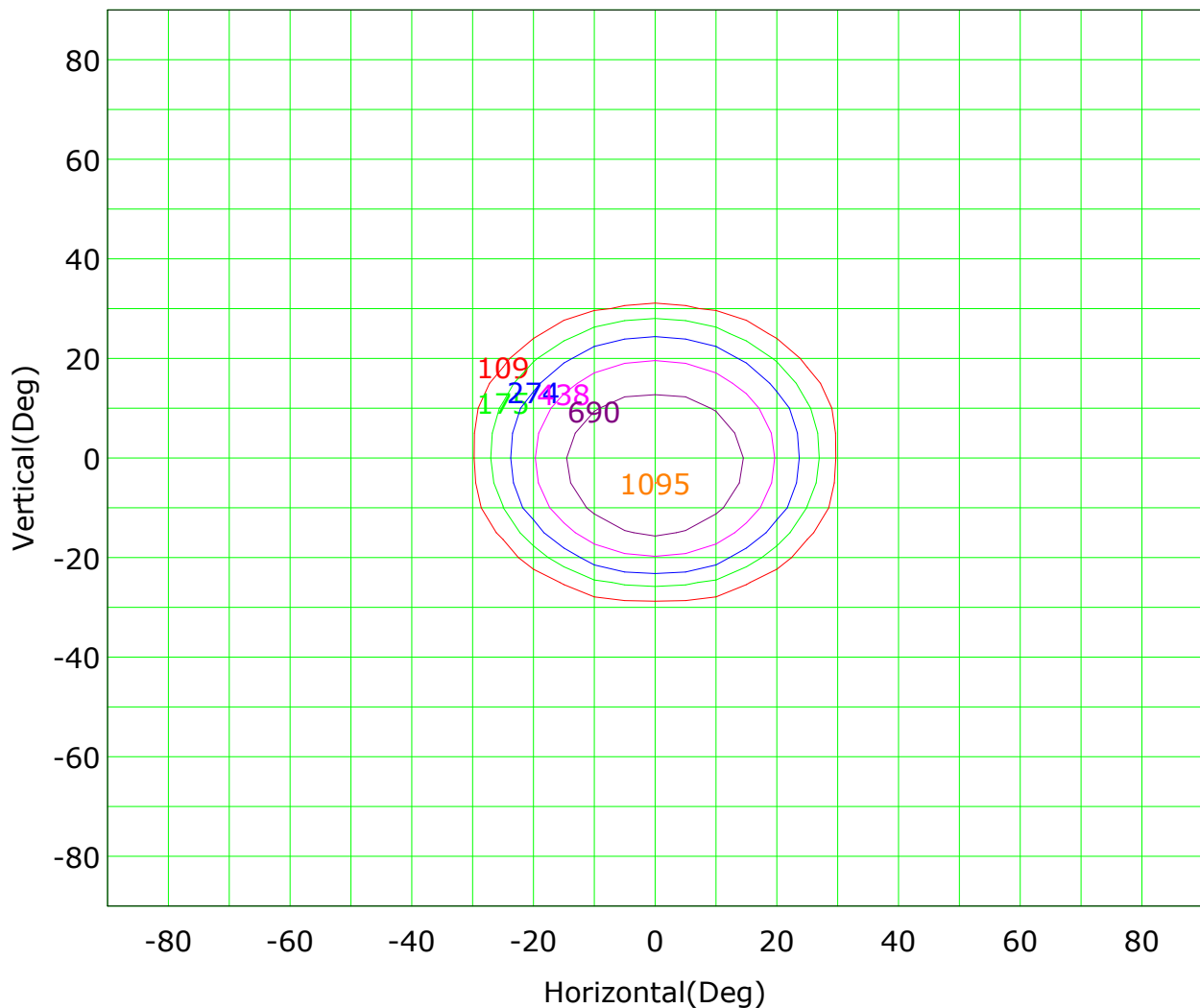
Luminous Intensity Distribution Curve



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%): 1095 cd

(10%): 109 cd	(16%): 175 cd
(25%): 274 cd	(40%): 438 cd
(63%): 690 cd	(100%): 1095 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

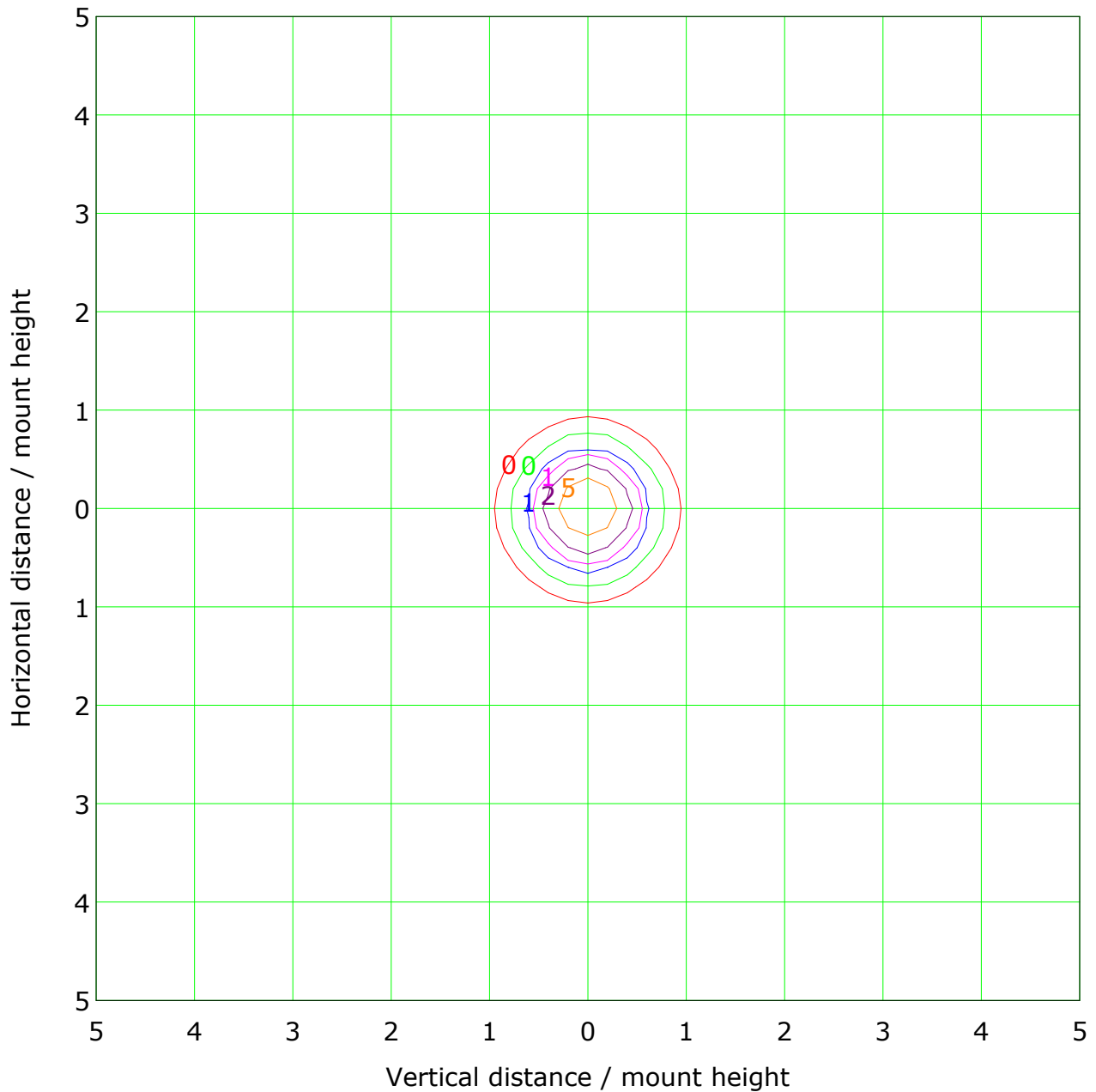
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 11 lx	
(1%):	0 lx	(2%):	0 lx
(5%):	1 lx	(10%):	1 lx
(20%):	2 lx	(50%):	5 lx
(100%):	11 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

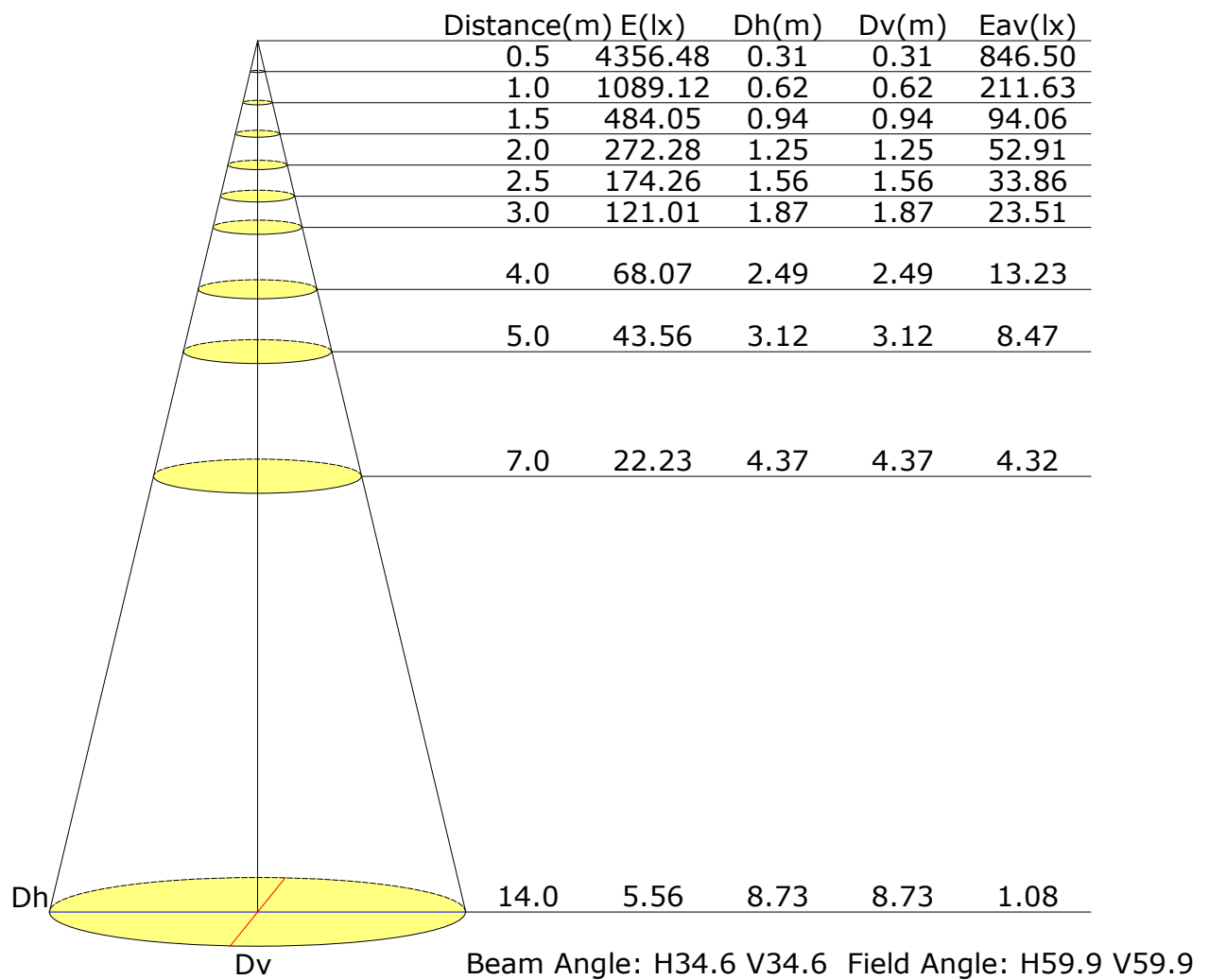
Test Device: CHL-6E

Distance: 3.000 m

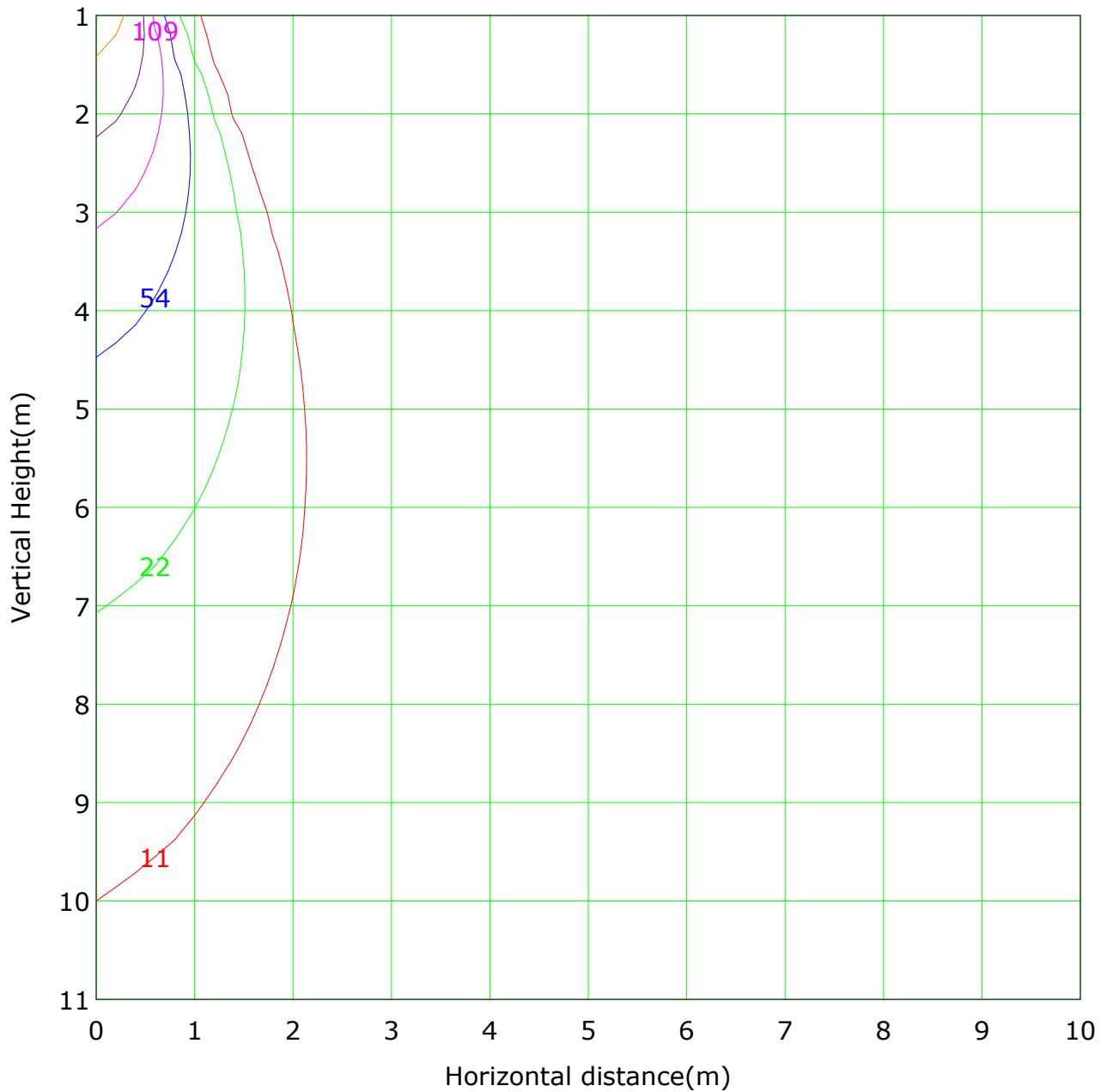
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



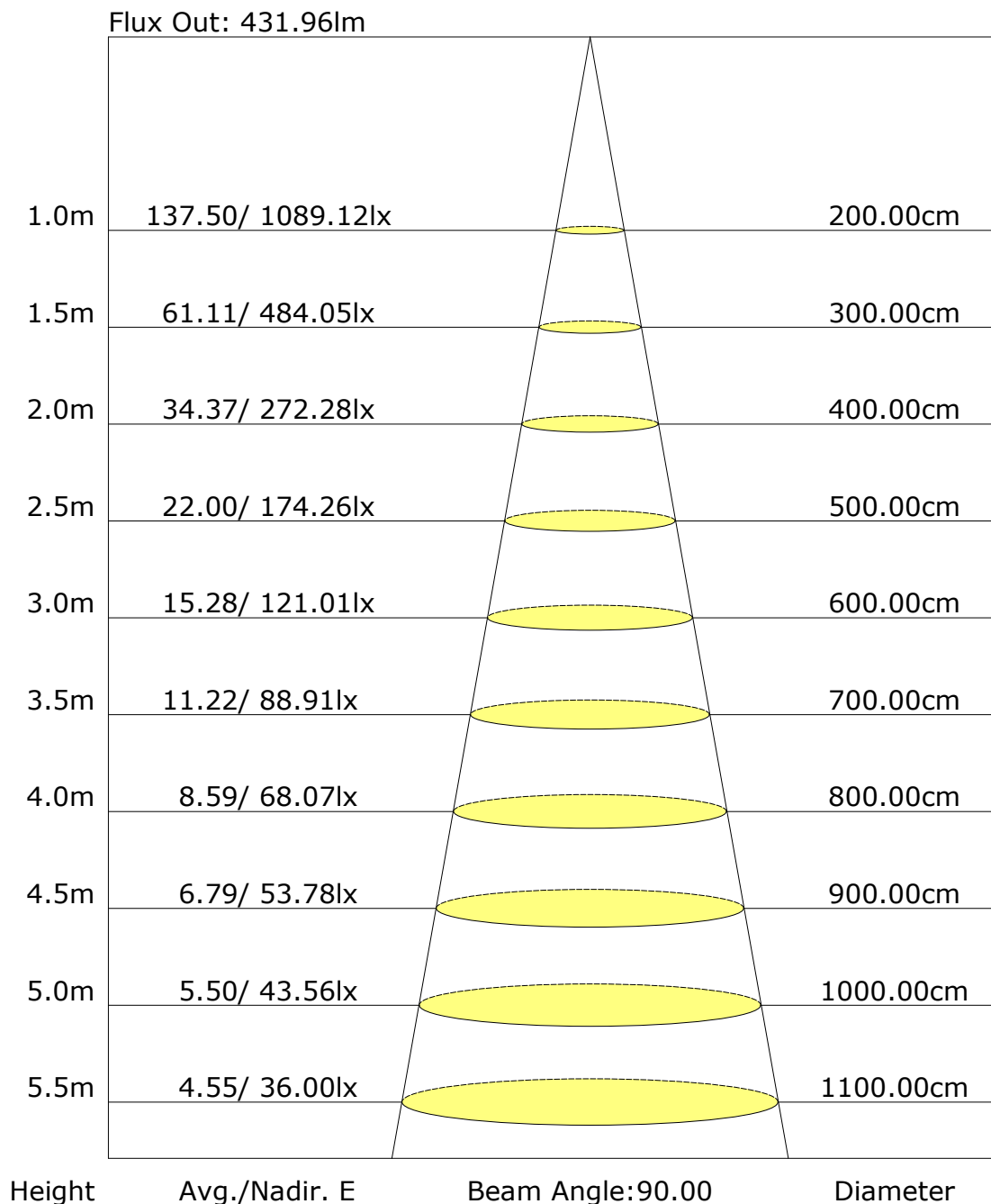
Lowest(m): 1m Highest(m): 11 Max Lux: 1089

(1%): 11 lx	(2%): 22 lx
(5%): 54 lx	(10%): 109 lx
(20%): 218 lx	(50%): 545 lx
(100%): 1089 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: