

Report No.: 32.07315 EMMA Track Light

Test Time: 2023-09-09 15:11

Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Voltage: 219.1 V

Current: 0.109 A

Power: 23.30 W

Power Factor: 0.974

Photometric Results

CIE Class: Direct

Measurement Flux: 2794.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H50.3

Vertical Diffuse Angle(50%): V50.3

Luminaire Efficacy Rating (LER): 120

Max. Intensity: 4013.6 cd

Total Rated Lamp Lumens: 2794.2 lm

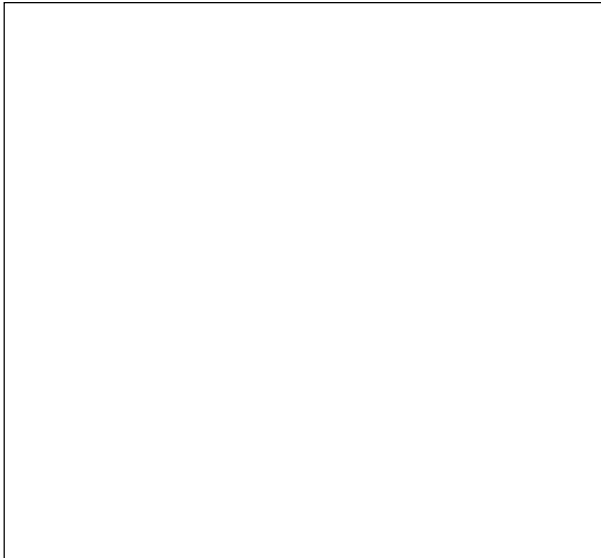
Efficiency: 100%

Upward Ratio: 0%

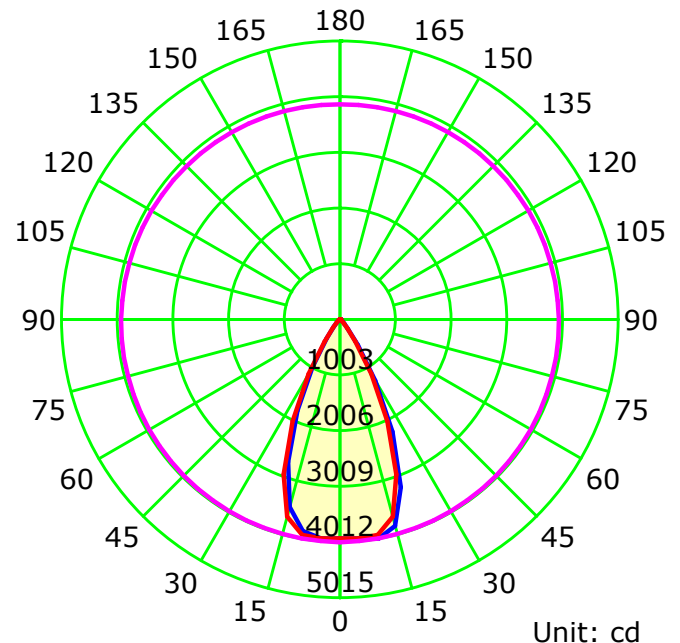
Central Intensity: 3947.74 cd

Pos of Max. Intensity: H0 V10

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G10

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

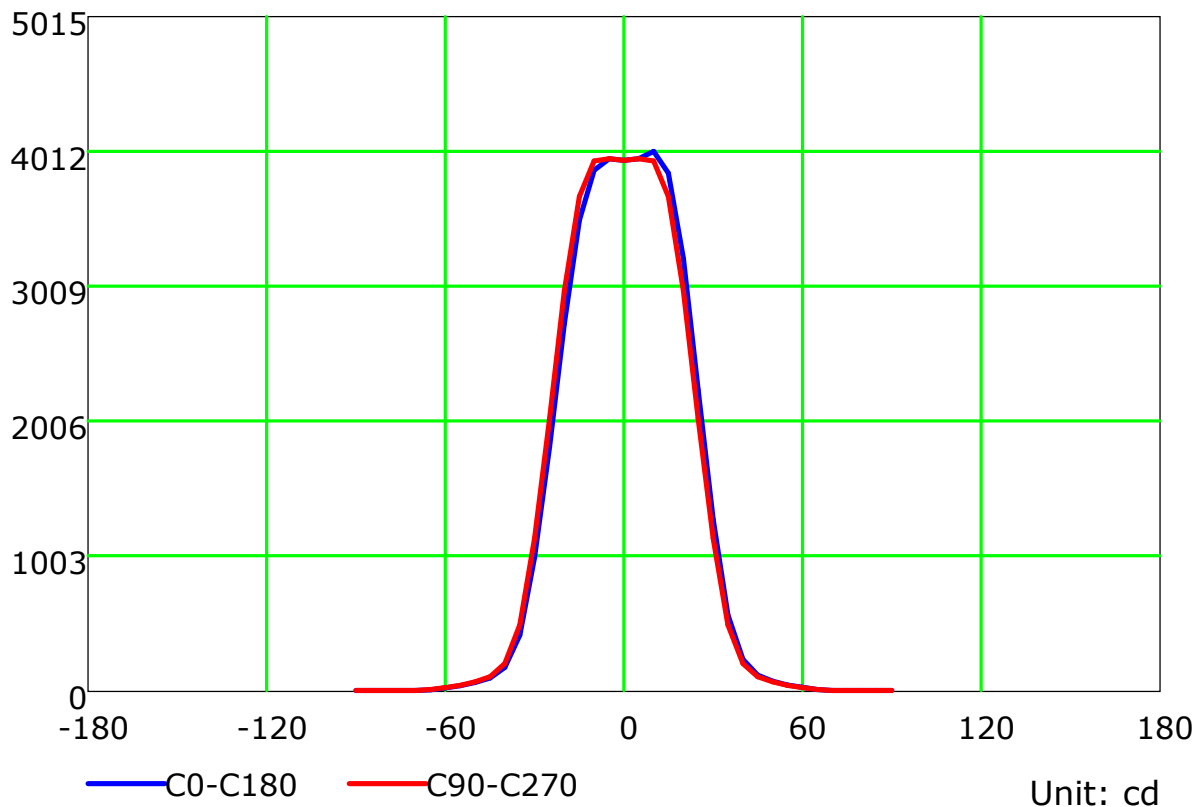
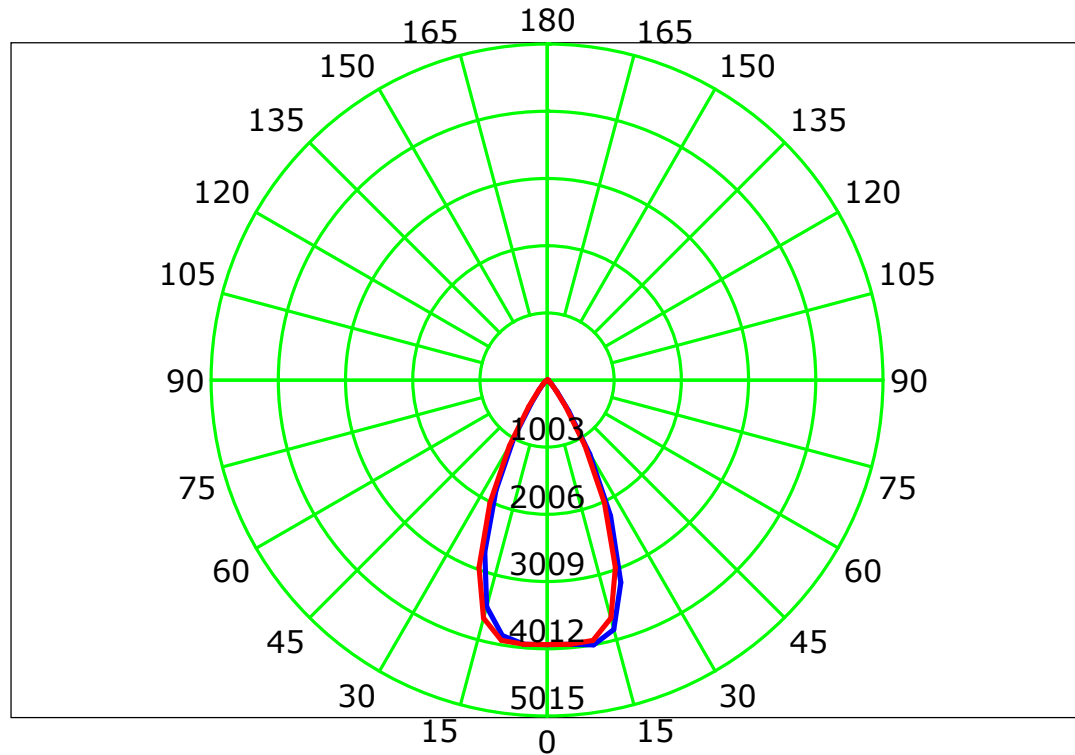
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

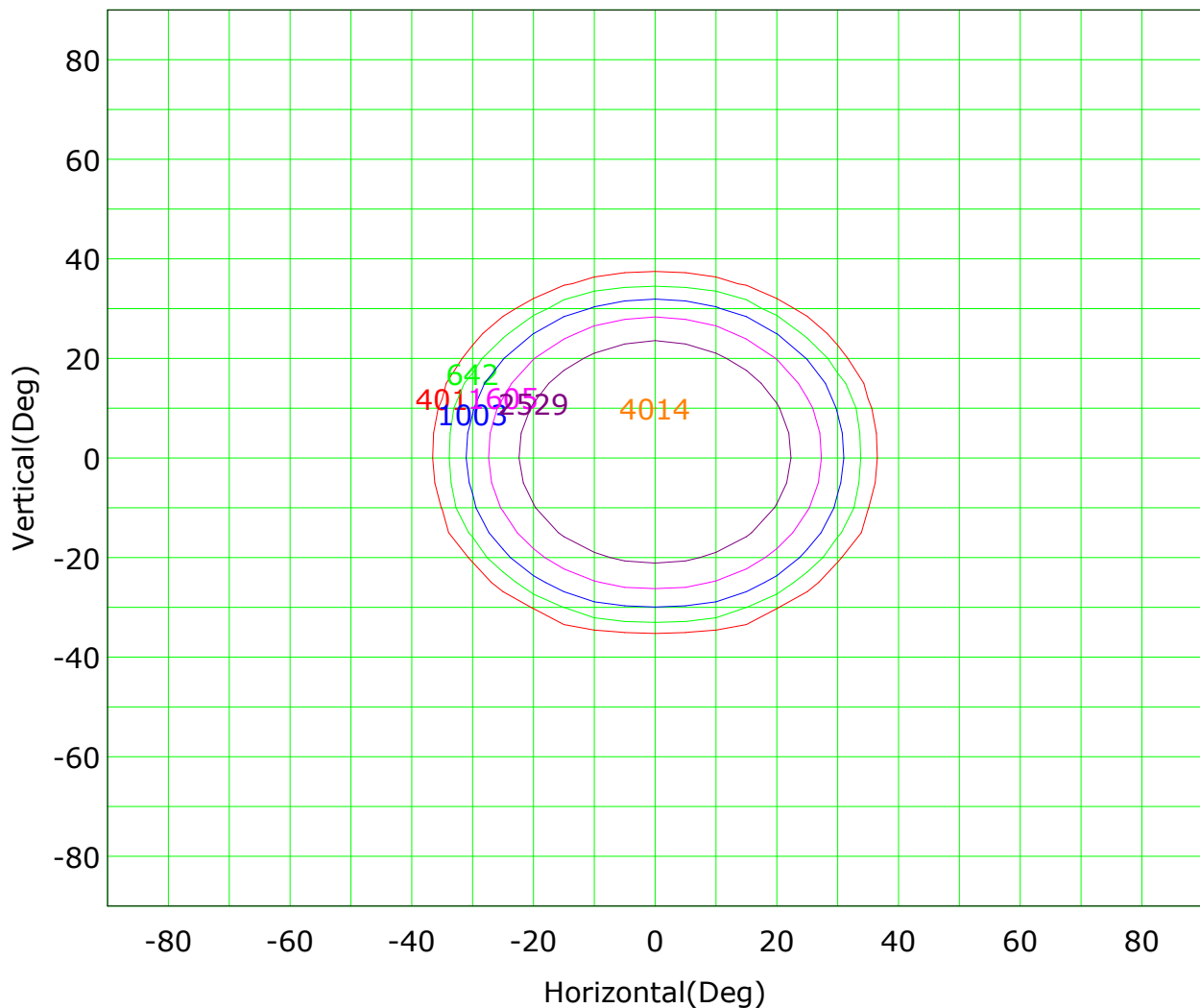
Luminous Intensity Distribution Curve



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%): 4014 cd

(10%): 401 cd	(16%): 642 cd
(25%): 1003 cd	(40%): 1605 cd
(63%): 2529 cd	(100%): 4014 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

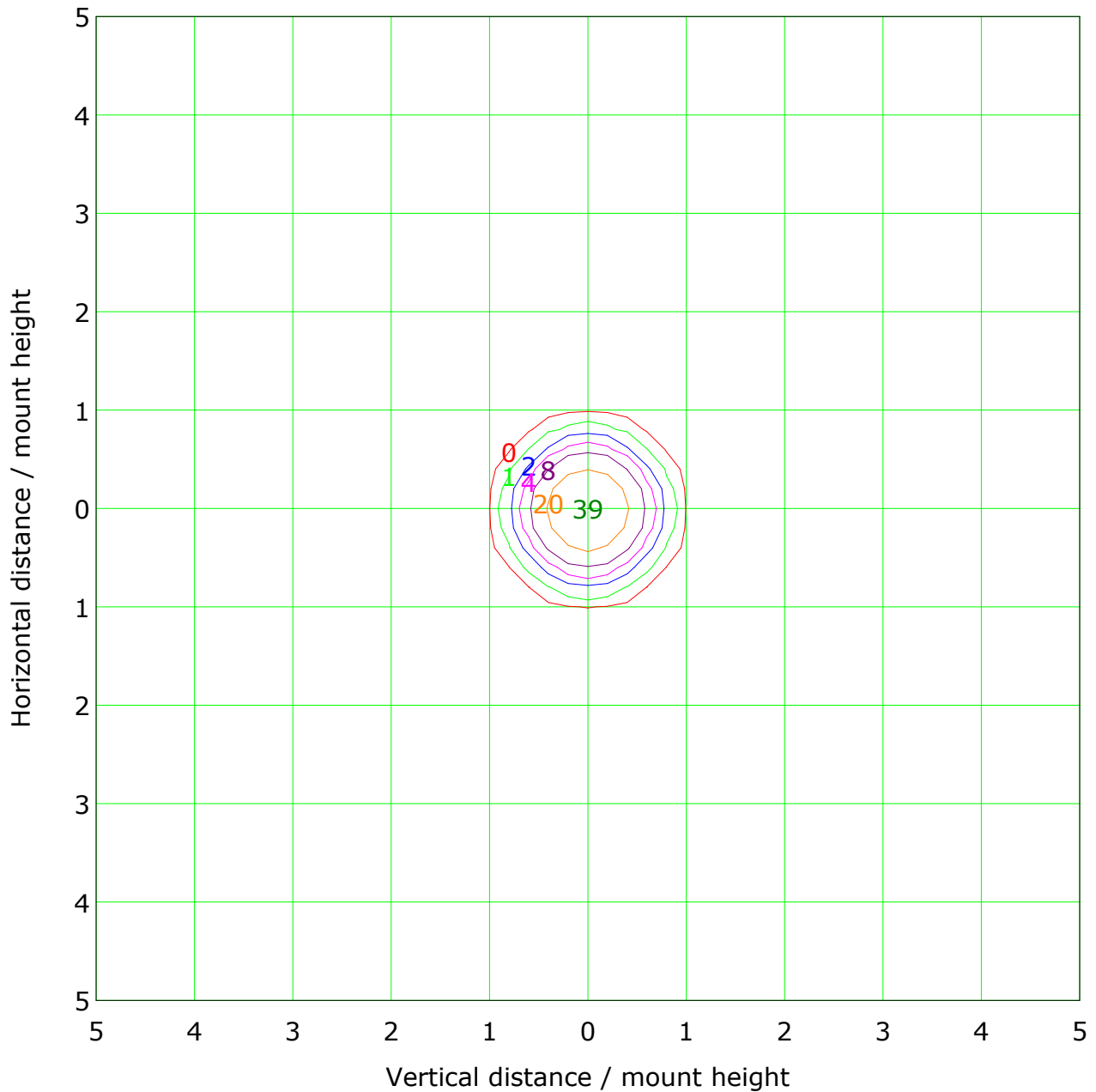
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 39 lx

(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	4 lx
(20%):	8 lx	(50%):	20 lx
(100%):	39 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

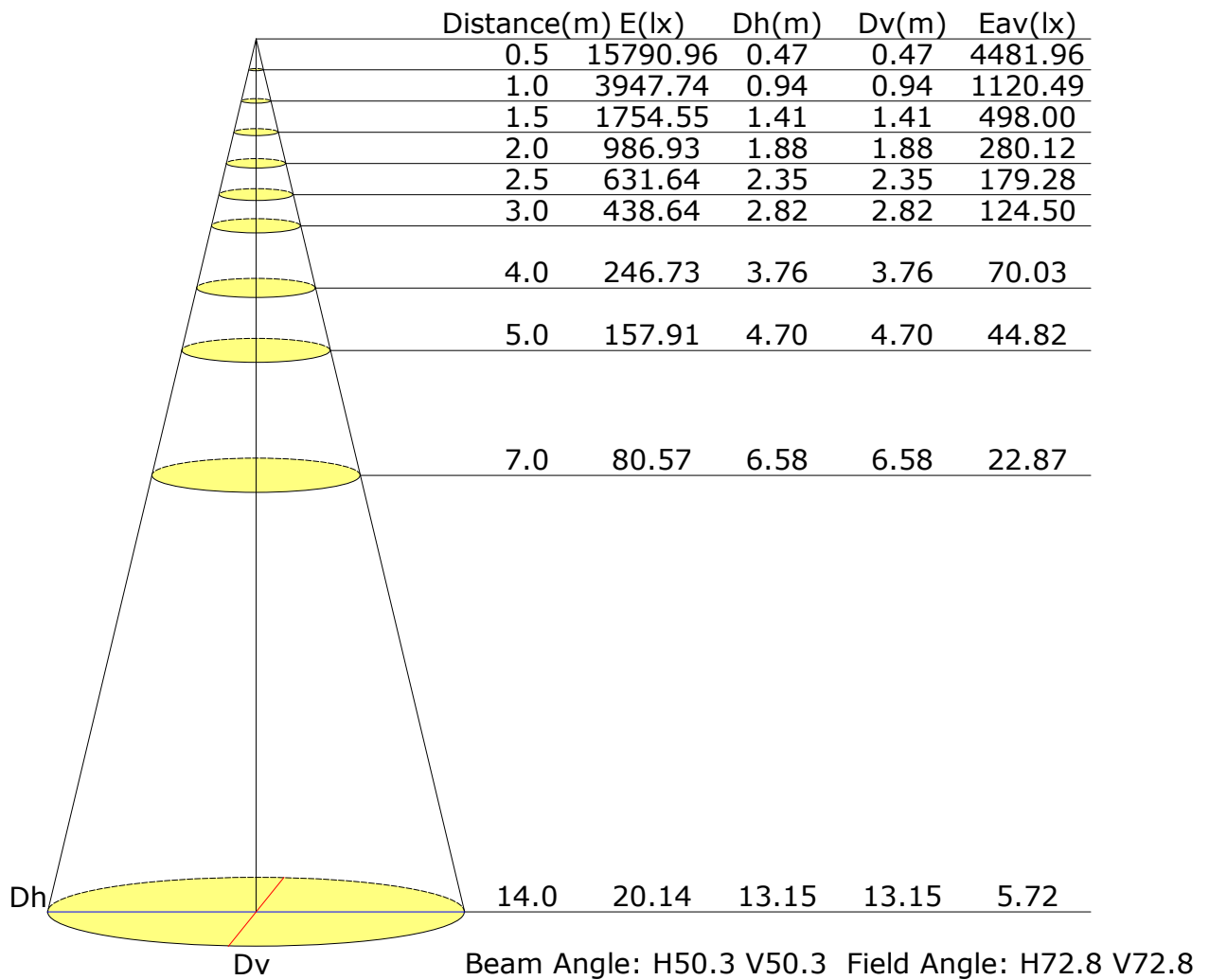
Test Device: CHL-6E

Distance: 3.000 m

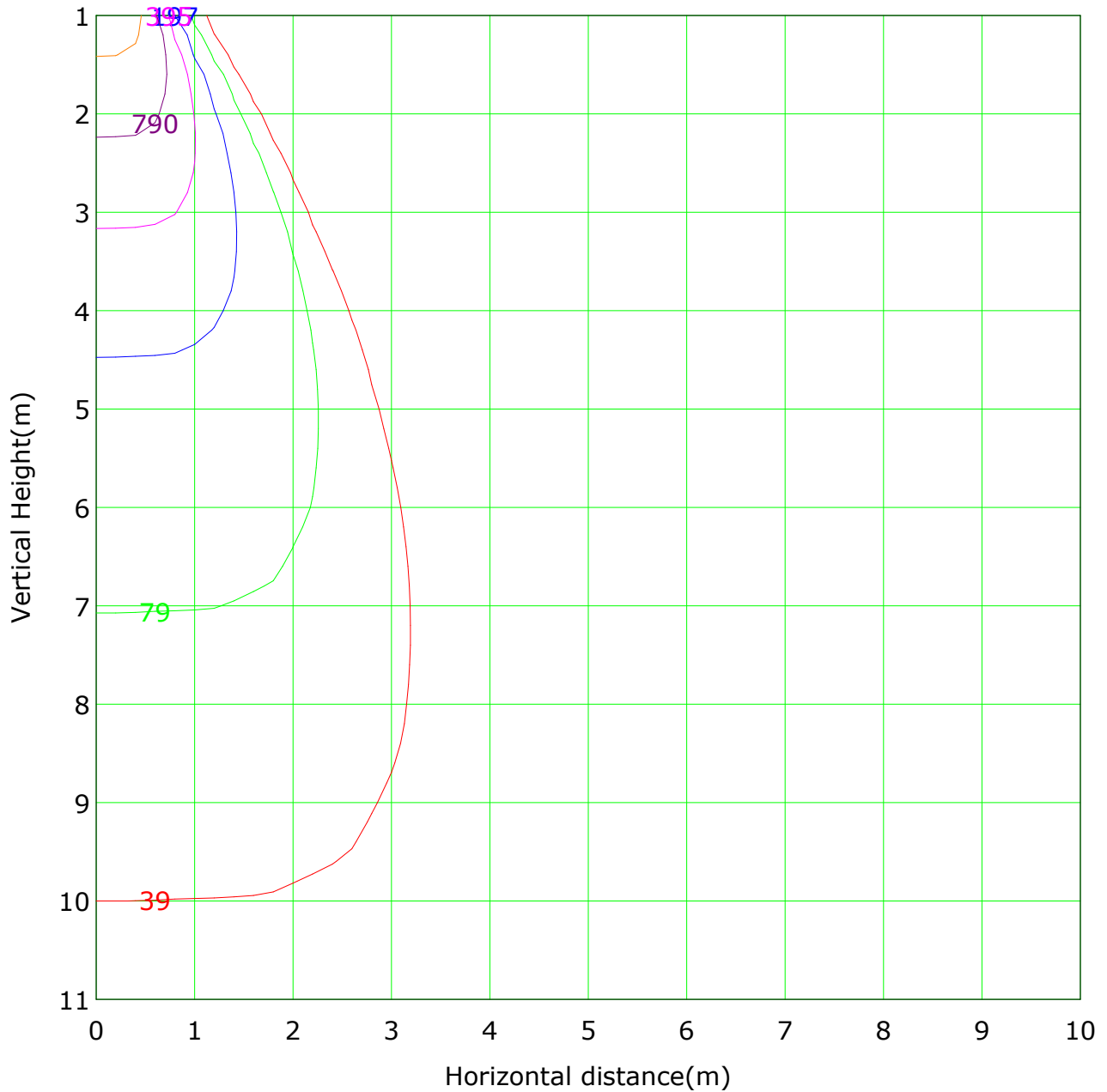
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



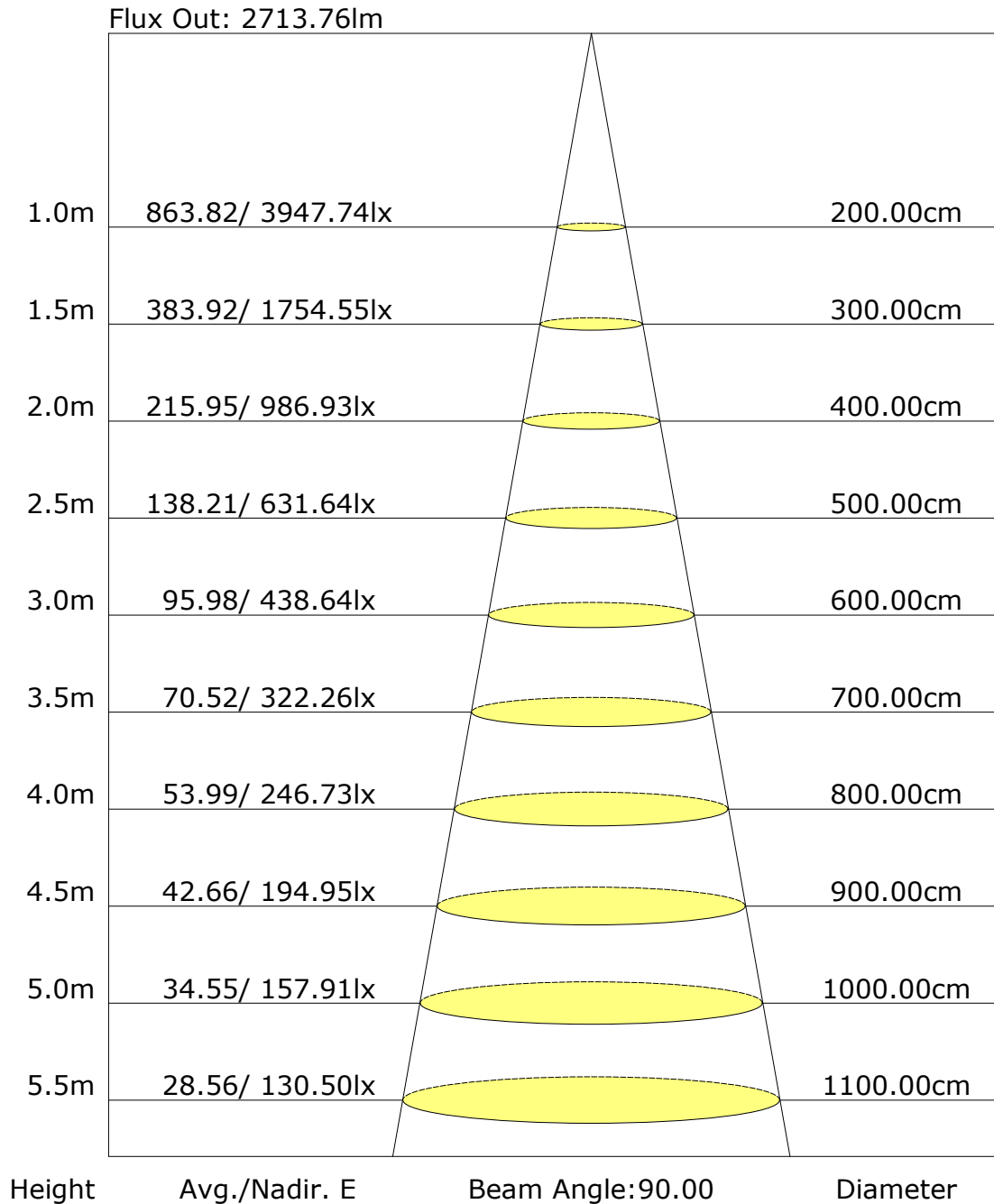
Lowest(m): 1m Highest(m): 11 Max Lux: 3948

(1%): 39 lx	(2%): 79 lx
(5%): 197 lx	(10%): 395 lx
(20%): 790 lx	(50%): 1974 lx
(100%): 3948 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: