

Report No.: 32.08011 ECO Track Lighting Test Time: 2023-10-04 12:00

Luminaire Property

Luminaire Category: Bridgelux V13C F90 3000K CRI90

Voltage: 230.0 V

Current: 0.140 A

Power: 30.70 W

Power Factor: 0.957

Photometric Results

CIE Class: Direct

Measurement Flux: 3583.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H55

Vertical Diffuse Angle(50%): V55

Luminaire Efficacy Rating (LER): 117

Max. Intensity: 4380.3 cd

Total Rated Lamp Lumens: 3583.3 lm

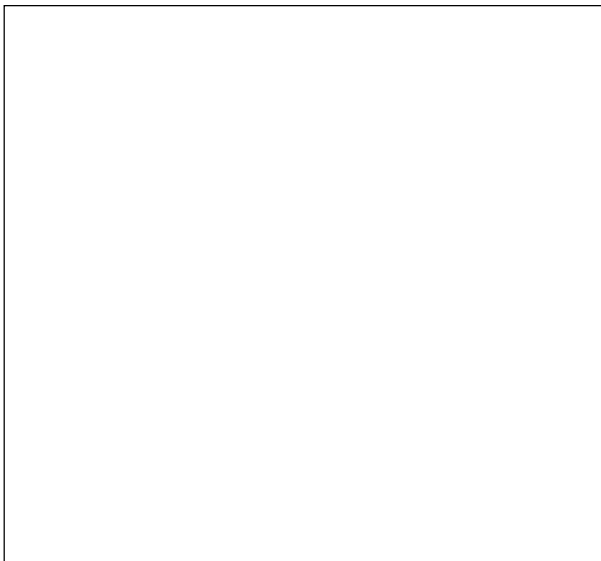
Efficiency: 100%

Upward Ratio: 0%

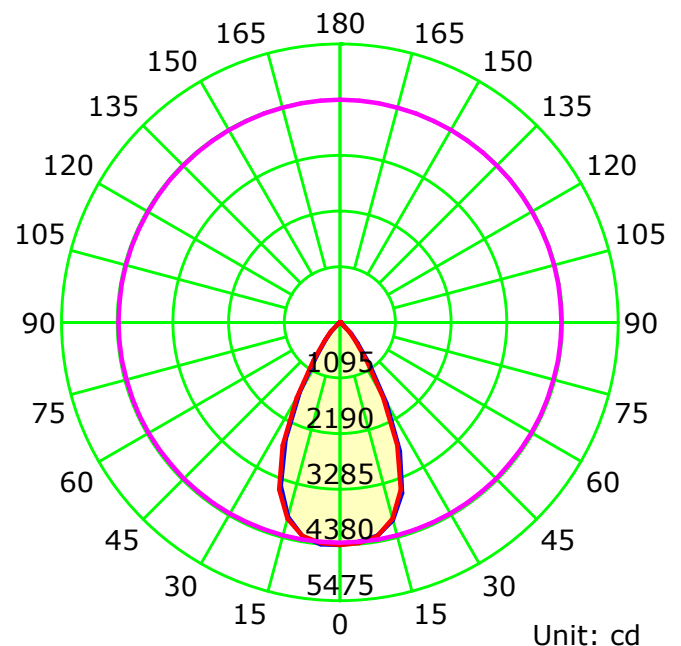
Central Intensity: 4375.23 cd

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

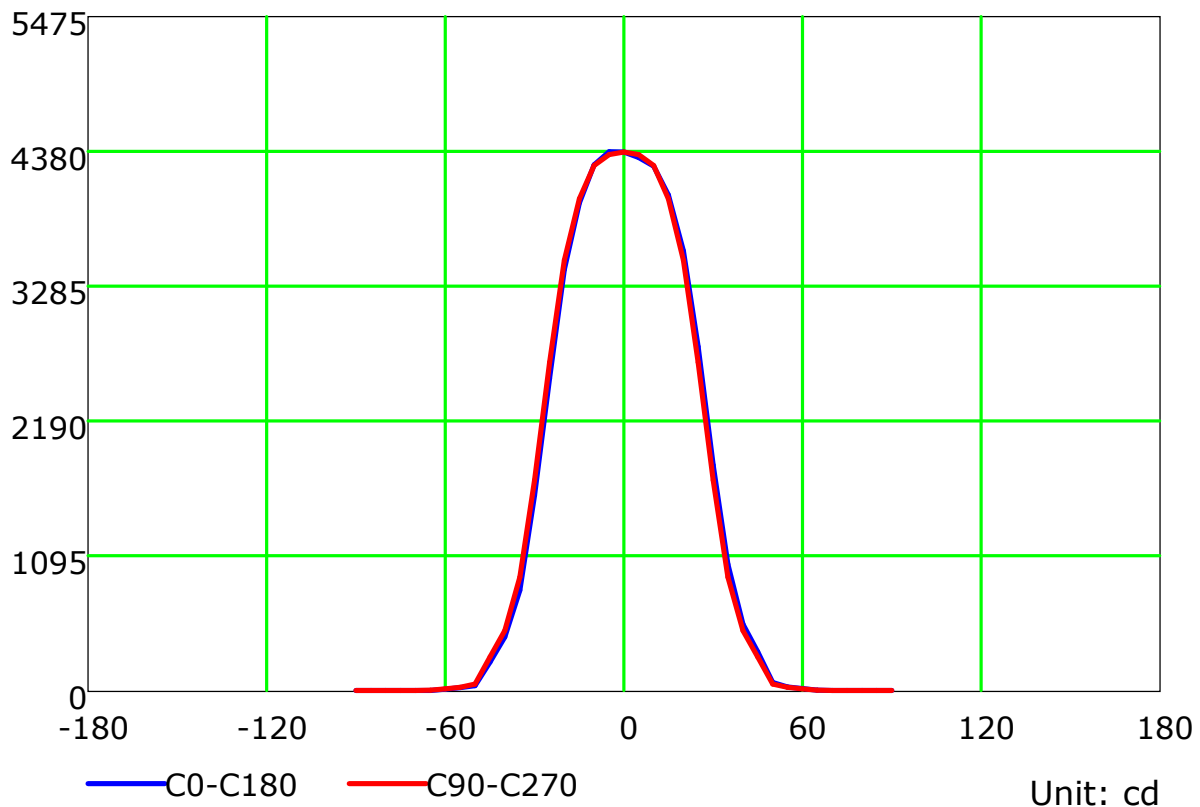
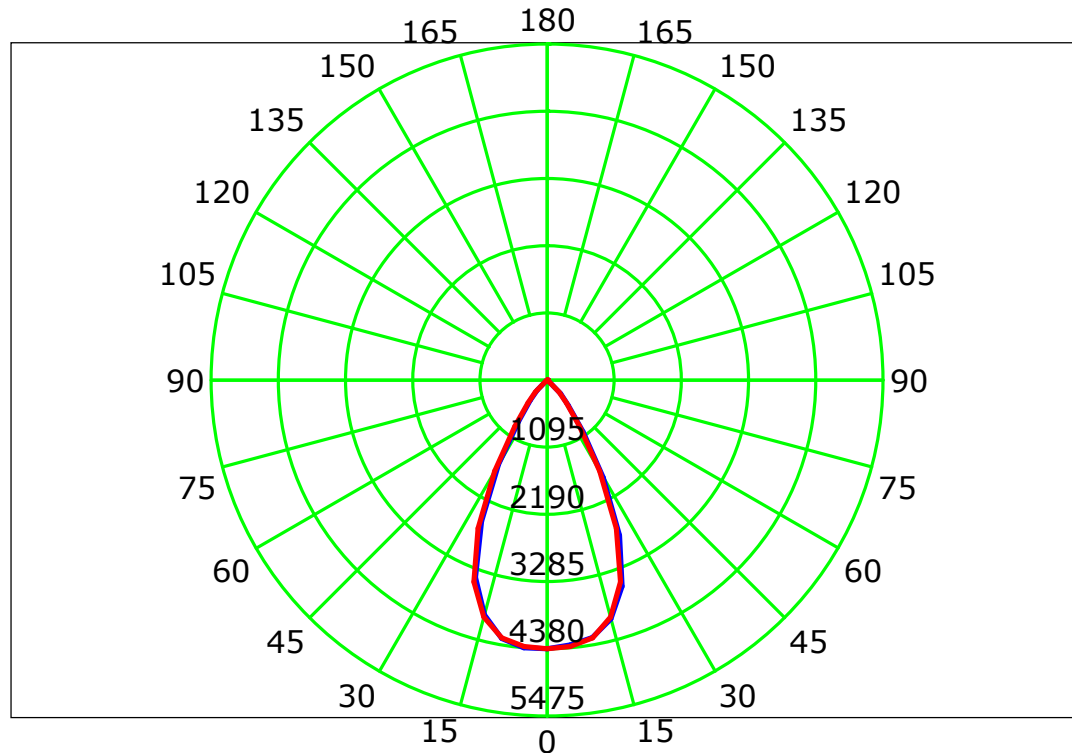
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

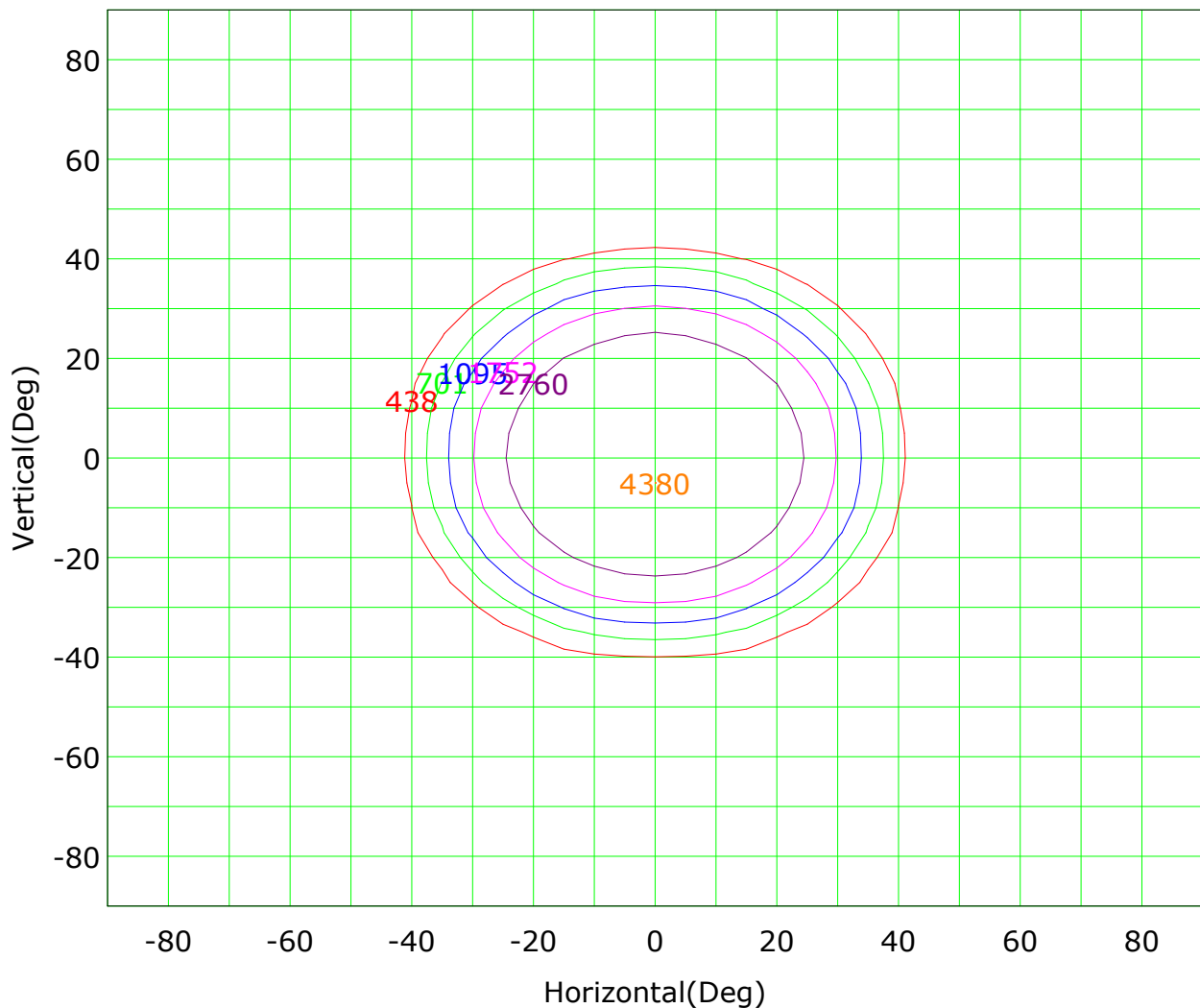
Luminous Intensity Distribution Curve



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%): 4380 cd

(10%): 438 cd	(16%): 701 cd
(25%): 1095 cd	(40%): 1752 cd
(63%): 2760 cd	(100%): 4380 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

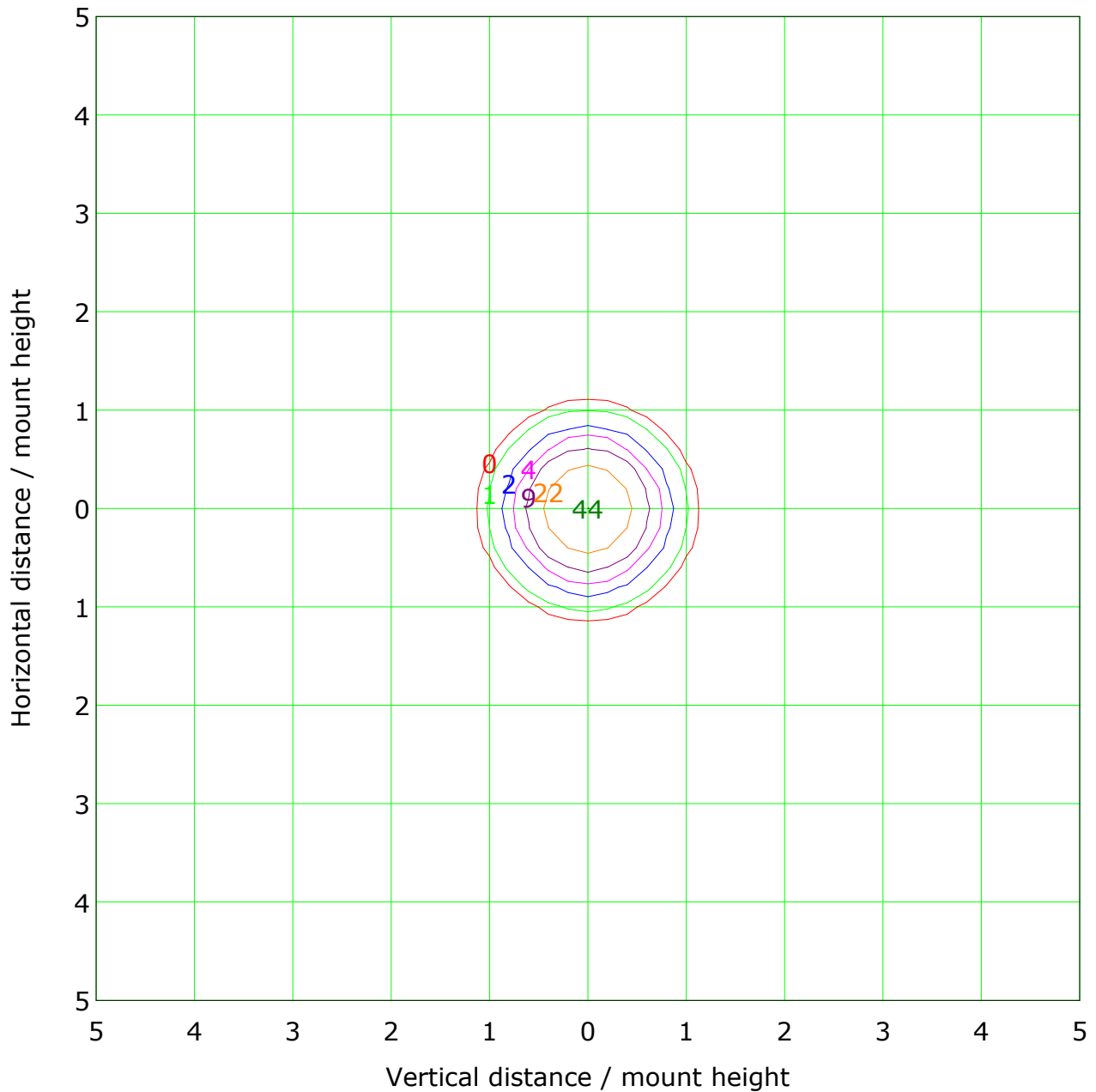
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 44 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	4 lx
(20%):	9 lx	(50%):	22 lx
(100%):	44 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

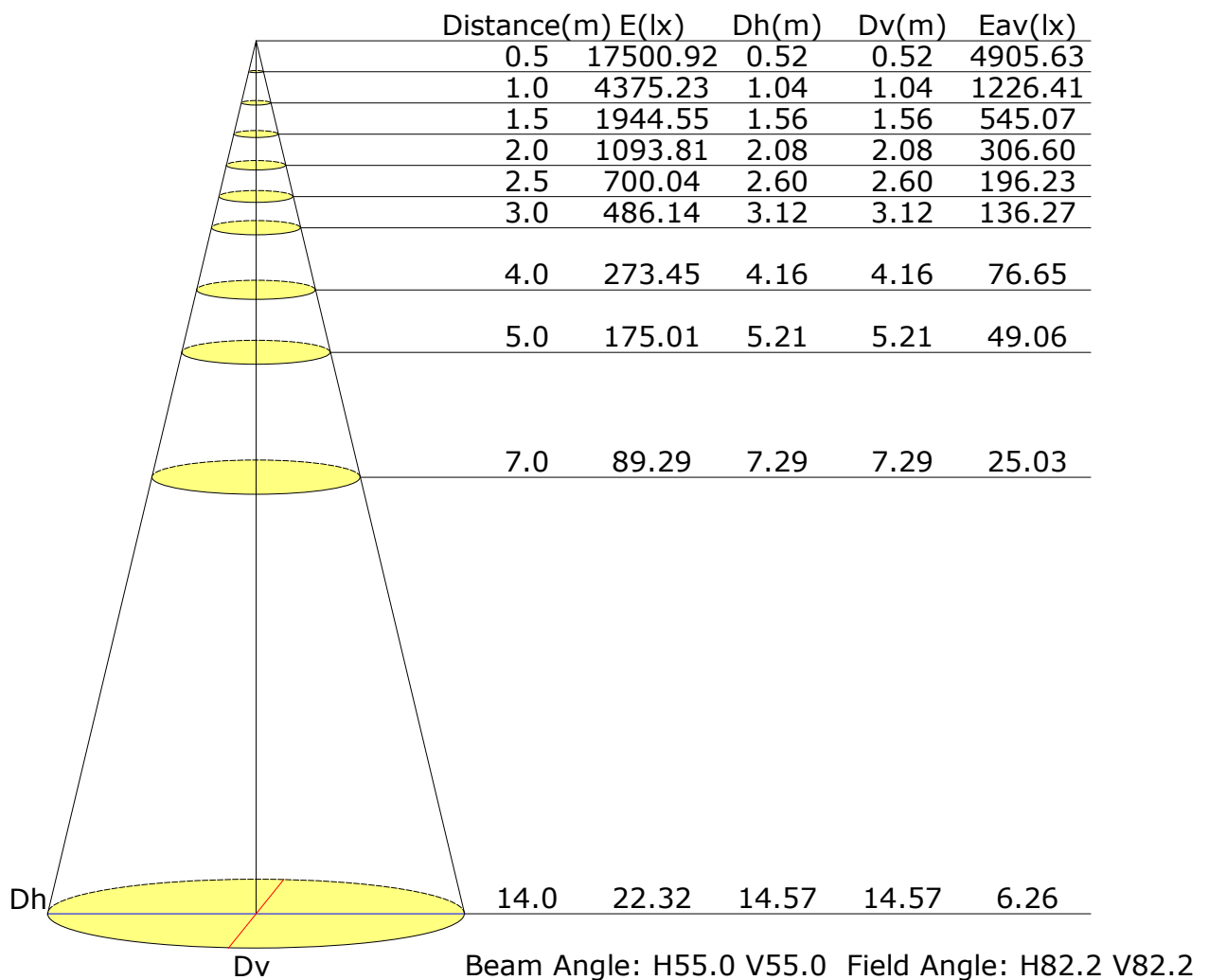
Test Device: CHL-6E

Distance: 3.000 m

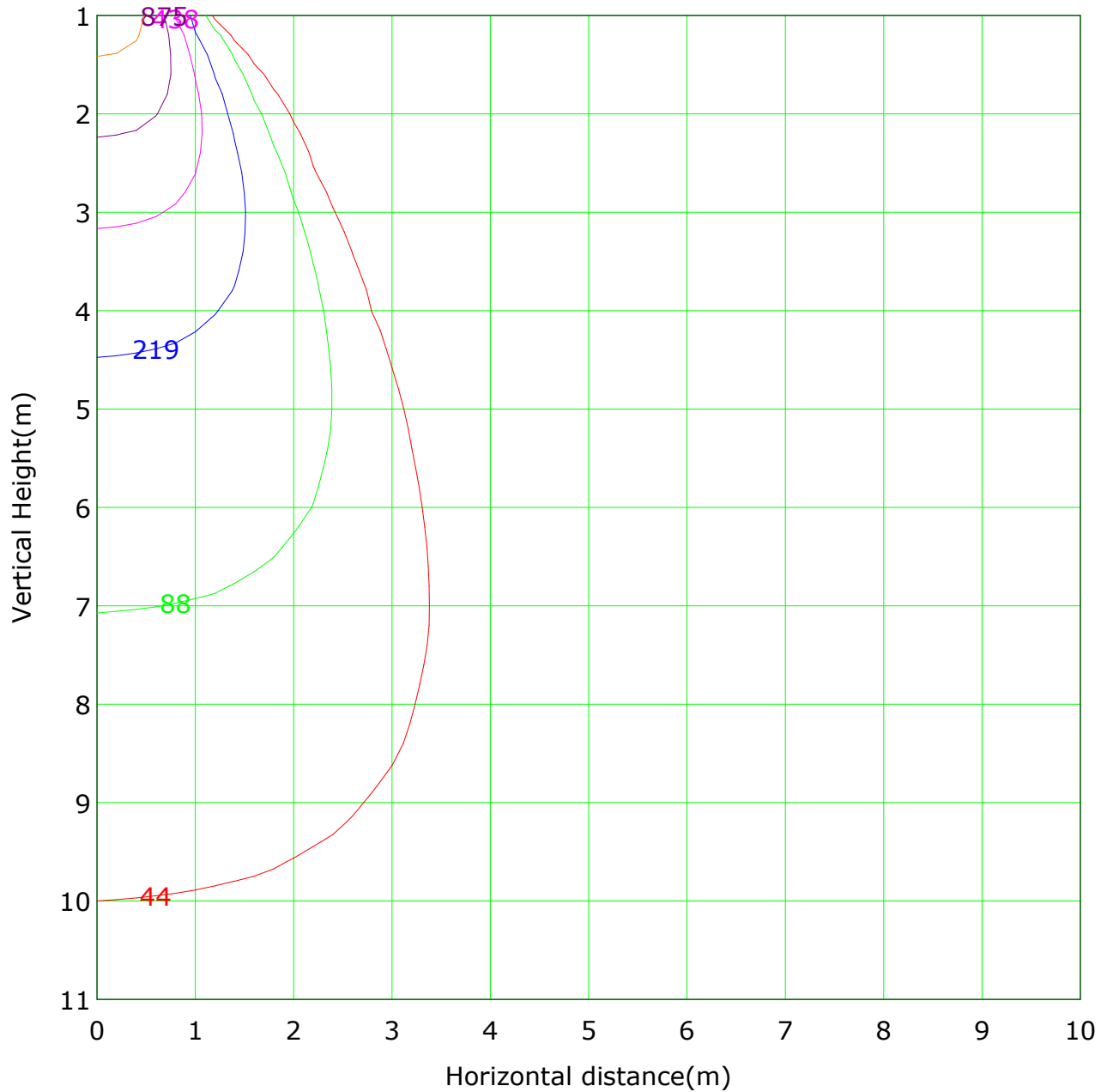
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

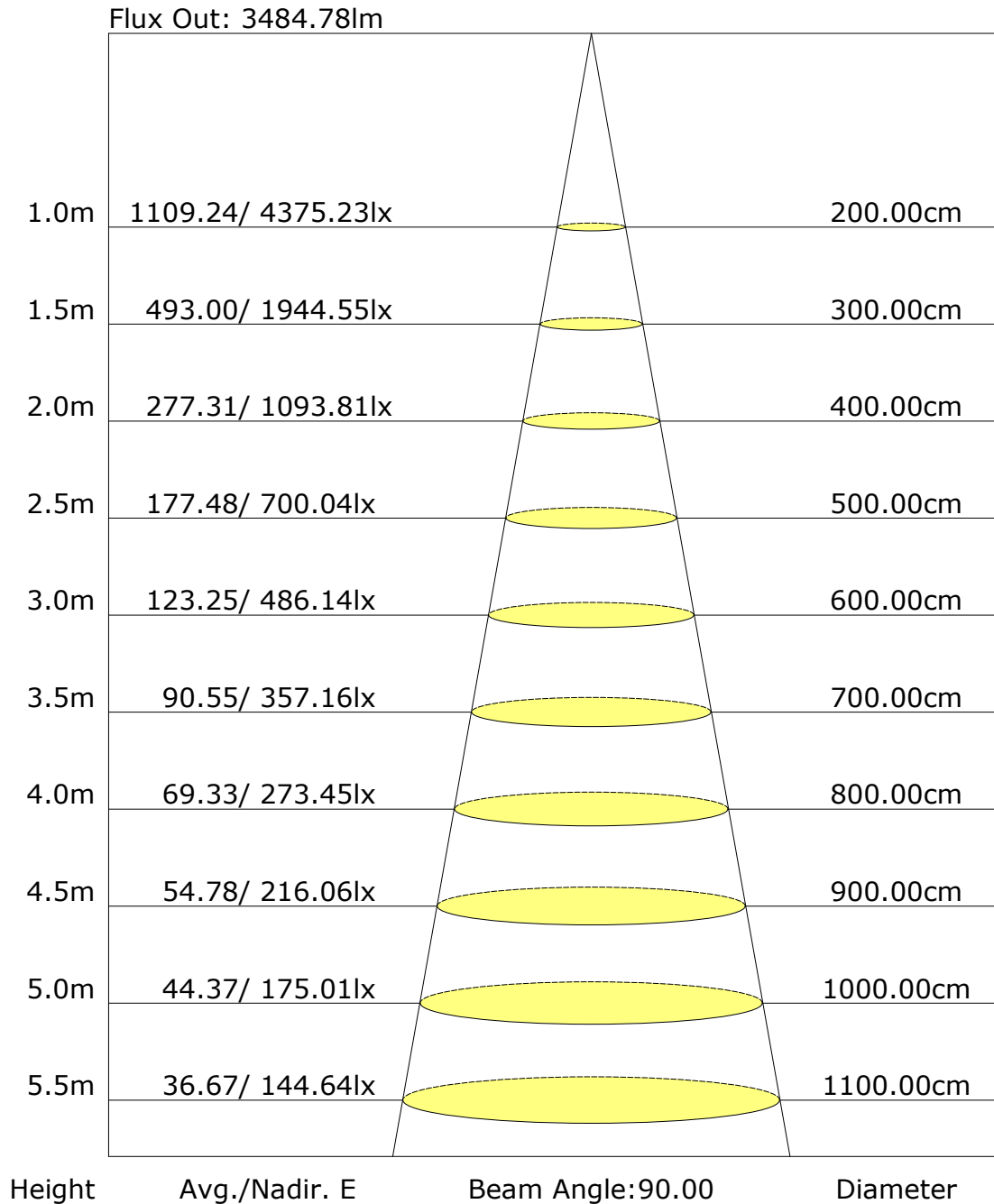


Lowest(m): 1m Highest(m): 11 Max Lux: 4375
— (1%): 44 lx — (2%): 88 lx
— (5%): 219 lx — (10%): 438 lx
— (20%): 875 lx — (50%): 2188 lx
— (100%): 4375 lx

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: