

Report No.: 52.09529 UTH Down Light

Test Time: 2023-10-12 18:22

Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90

Voltage: 224.5 V

Current: 0.111 A

Power: 14.00 W

Power Factor: 0.557

Photometric Results

CIE Class: Direct

Measurement Flux: 1617.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H41.3

Vertical Diffuse Angle(50%): V41.3

Luminaire Efficacy Rating (LER): 116

Max. Intensity: 3448.33 cd

Total Rated Lamp Lumens: 1617.2 lm

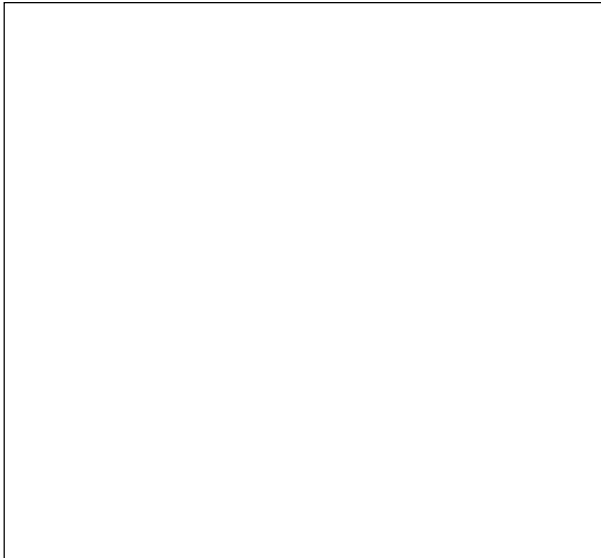
Efficiency: 100%

Upward Ratio: 0%

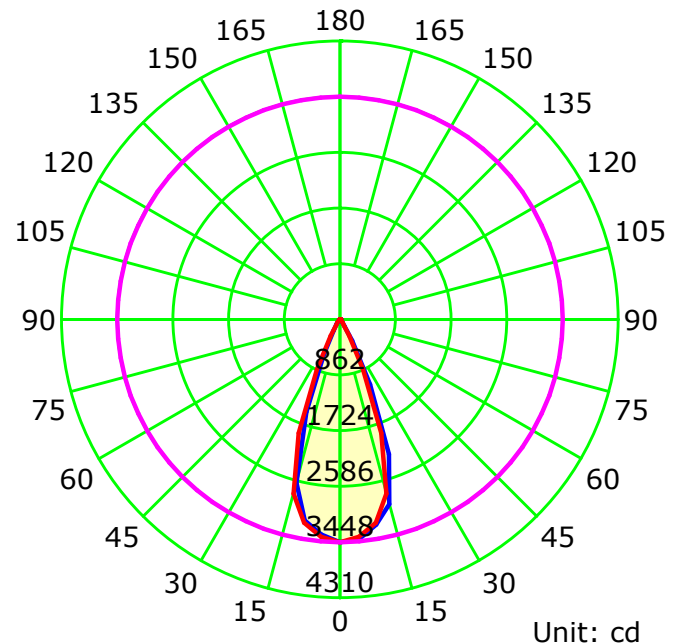
Central Intensity: 3448.32 cd

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

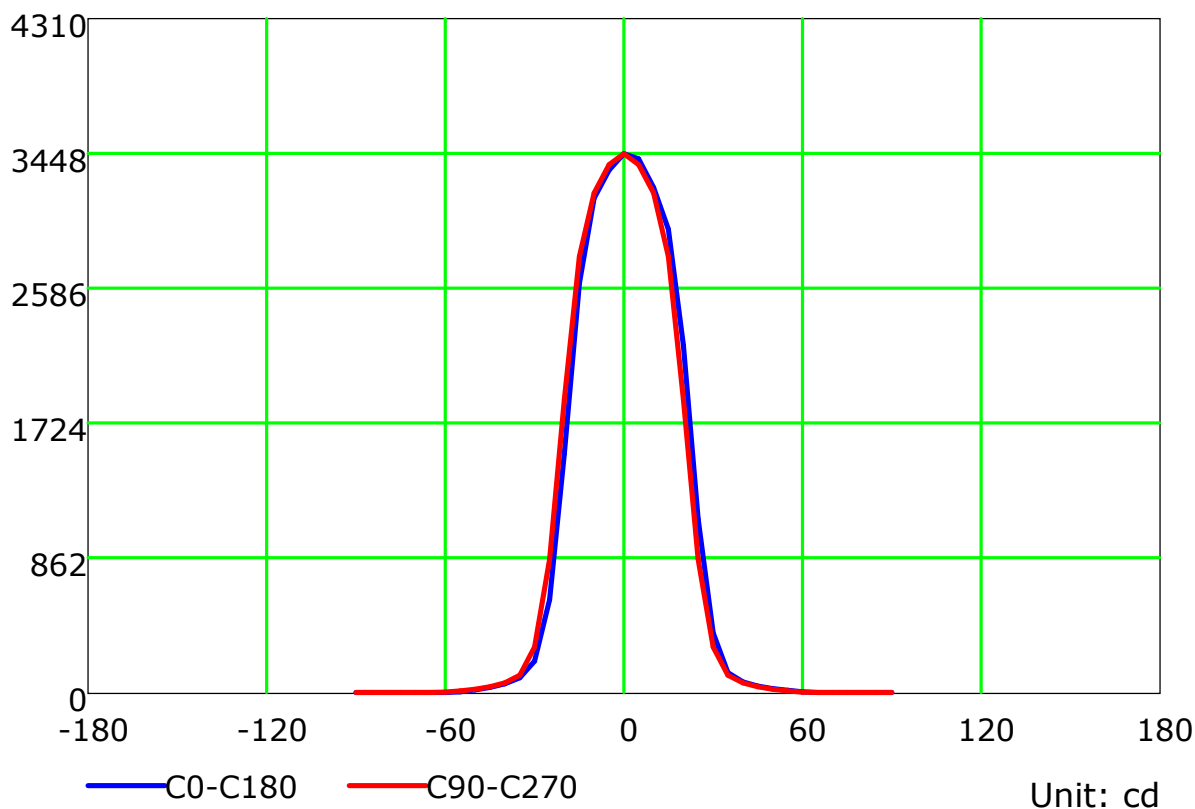
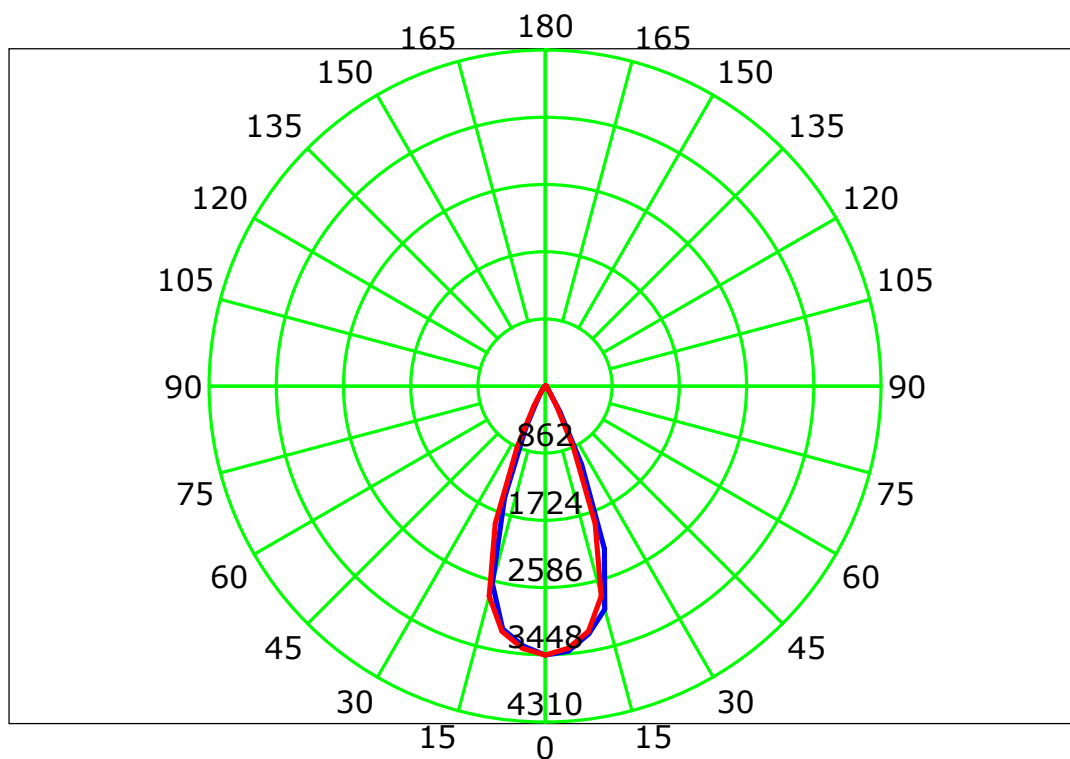
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

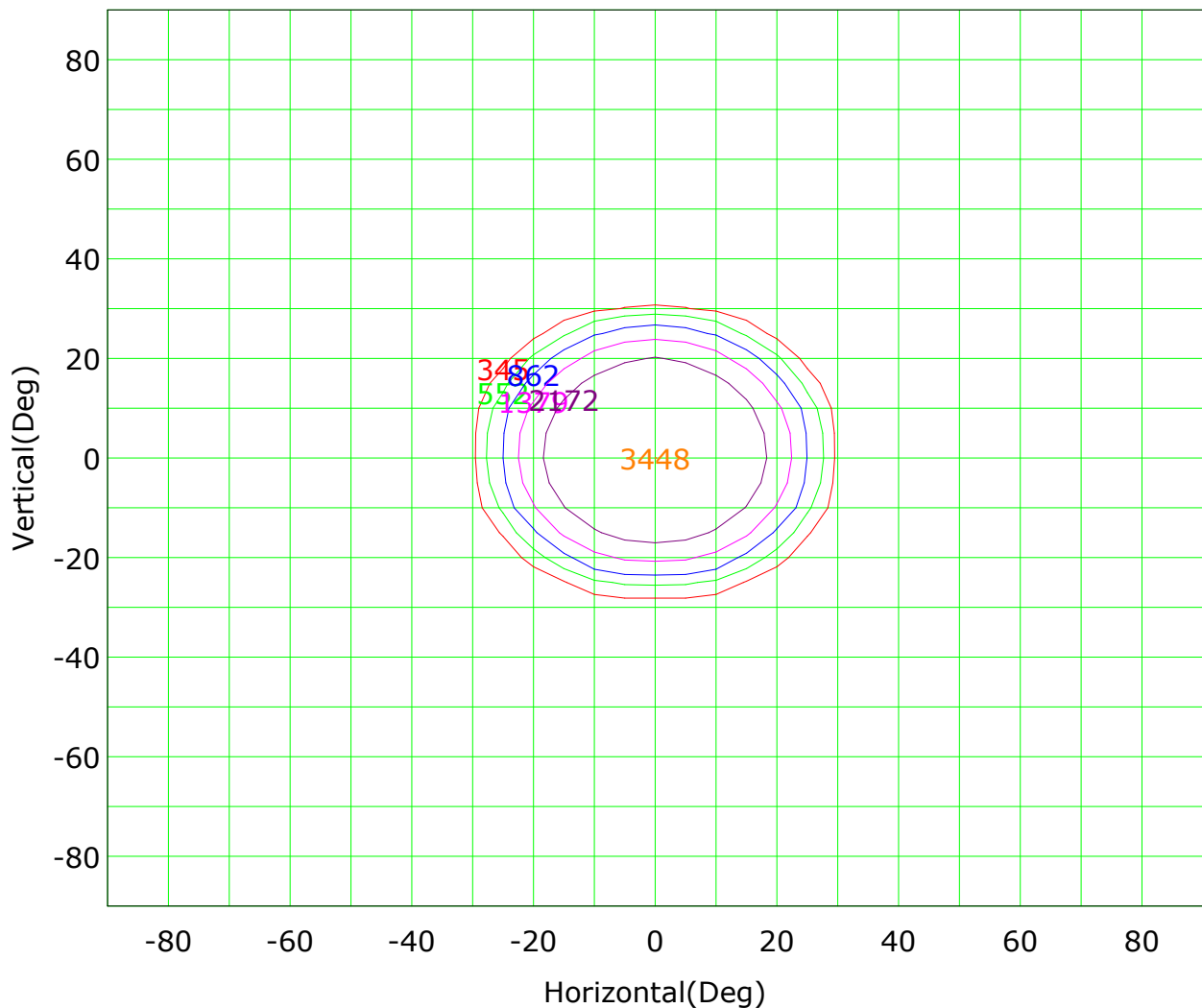
Luminous Intensity Distribution Curve



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%): 3448 cd

(10%): 345 cd	(16%): 552 cd
(25%): 862 cd	(40%): 1379 cd
(63%): 2172 cd	(100%): 3448 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

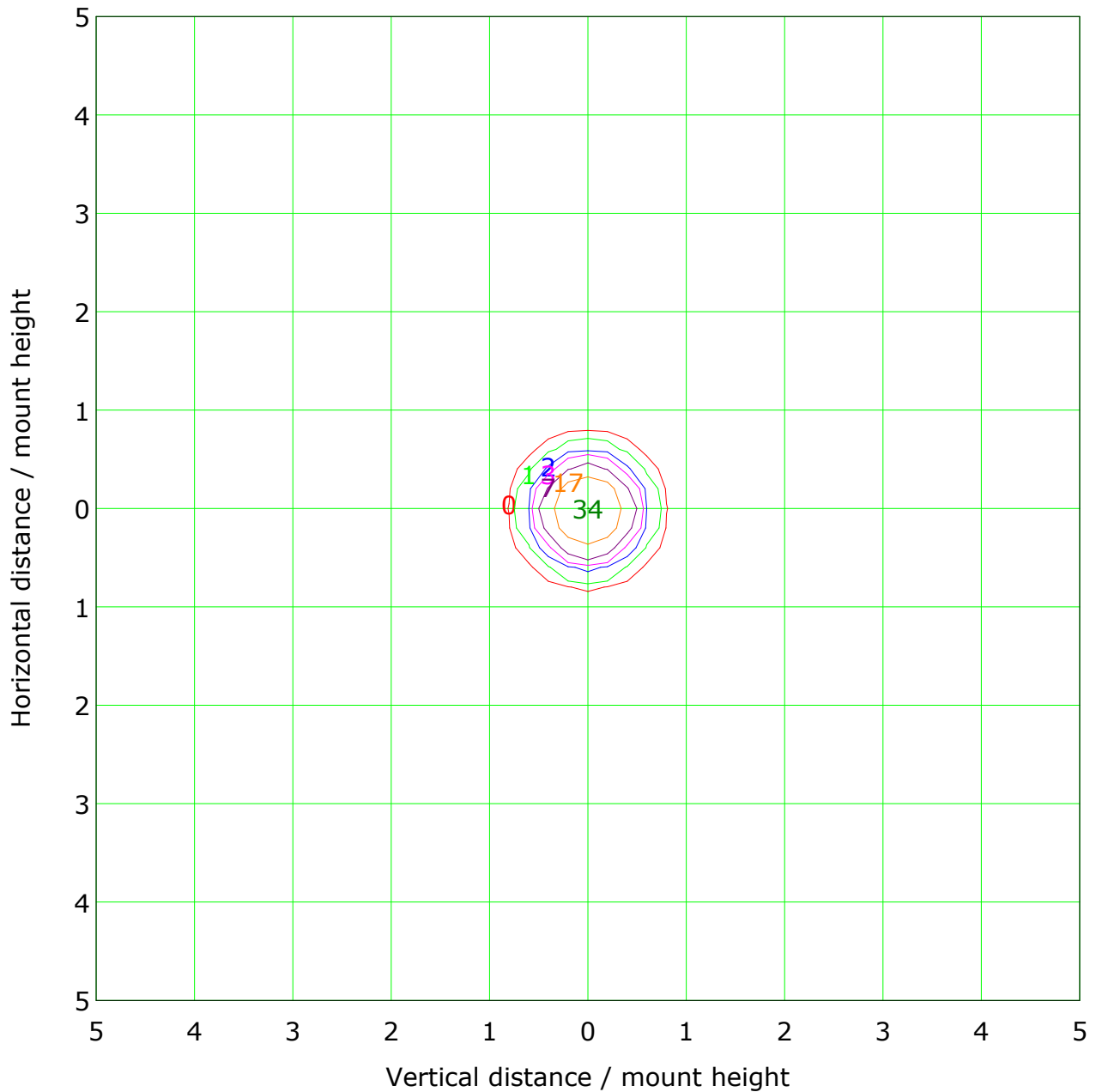
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 34 lx			
— (1%):	0 lx	— (2%):	1 lx
— (5%):	2 lx	— (10%):	3 lx
— (20%):	7 lx	— (50%):	17 lx
— (100%):	34 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

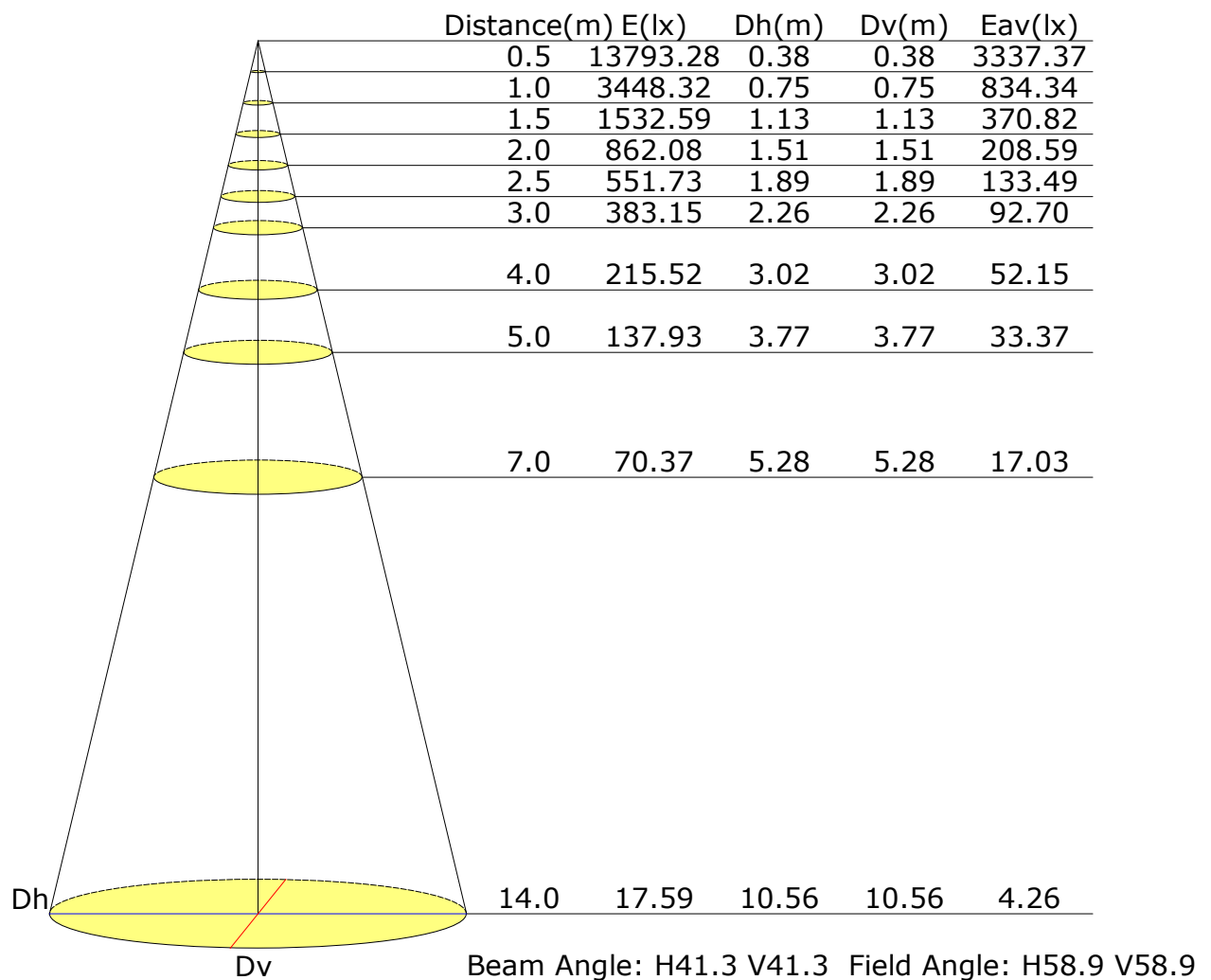
Test Device: CHL-6E

Distance: 3.000 m

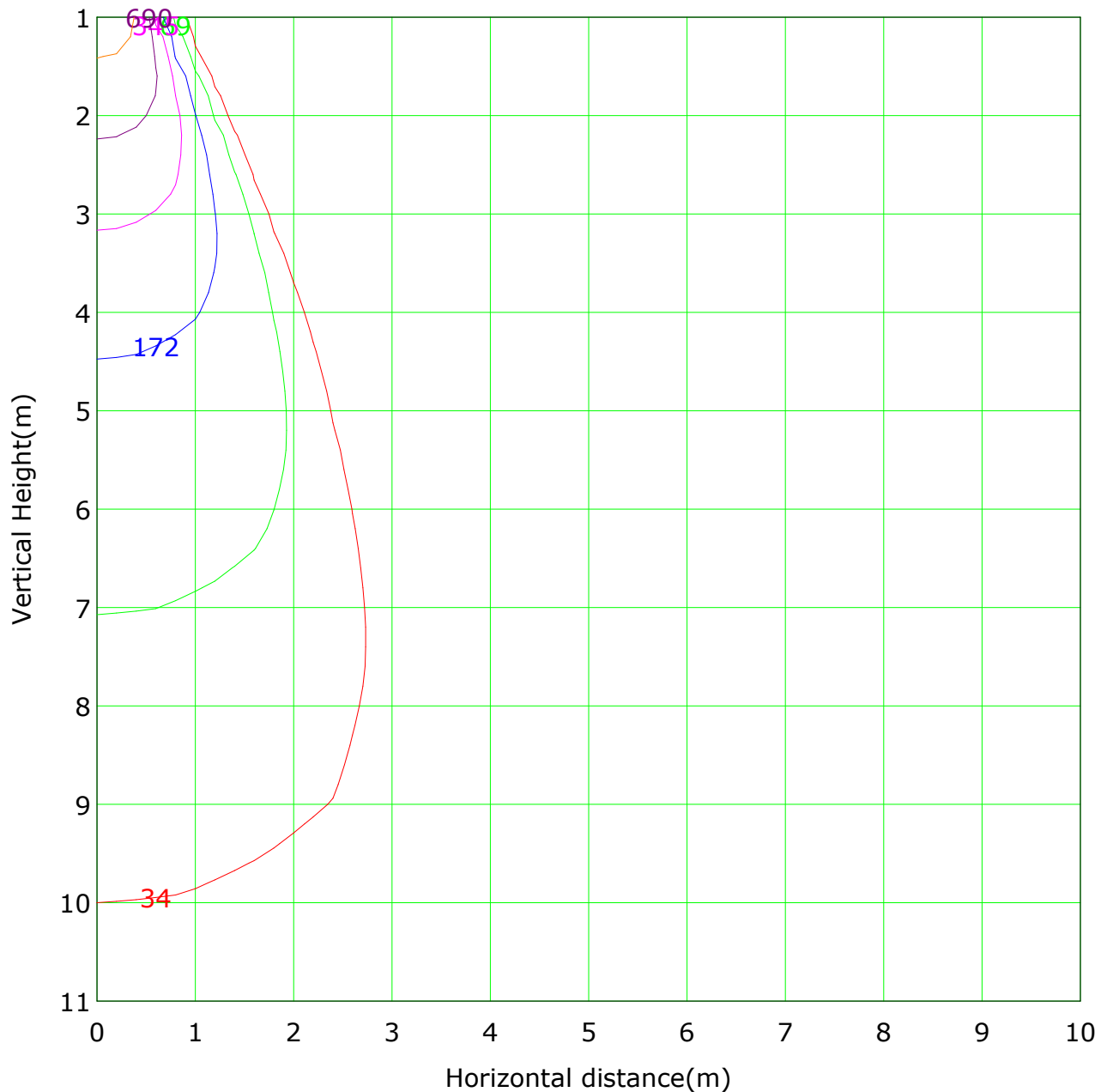
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

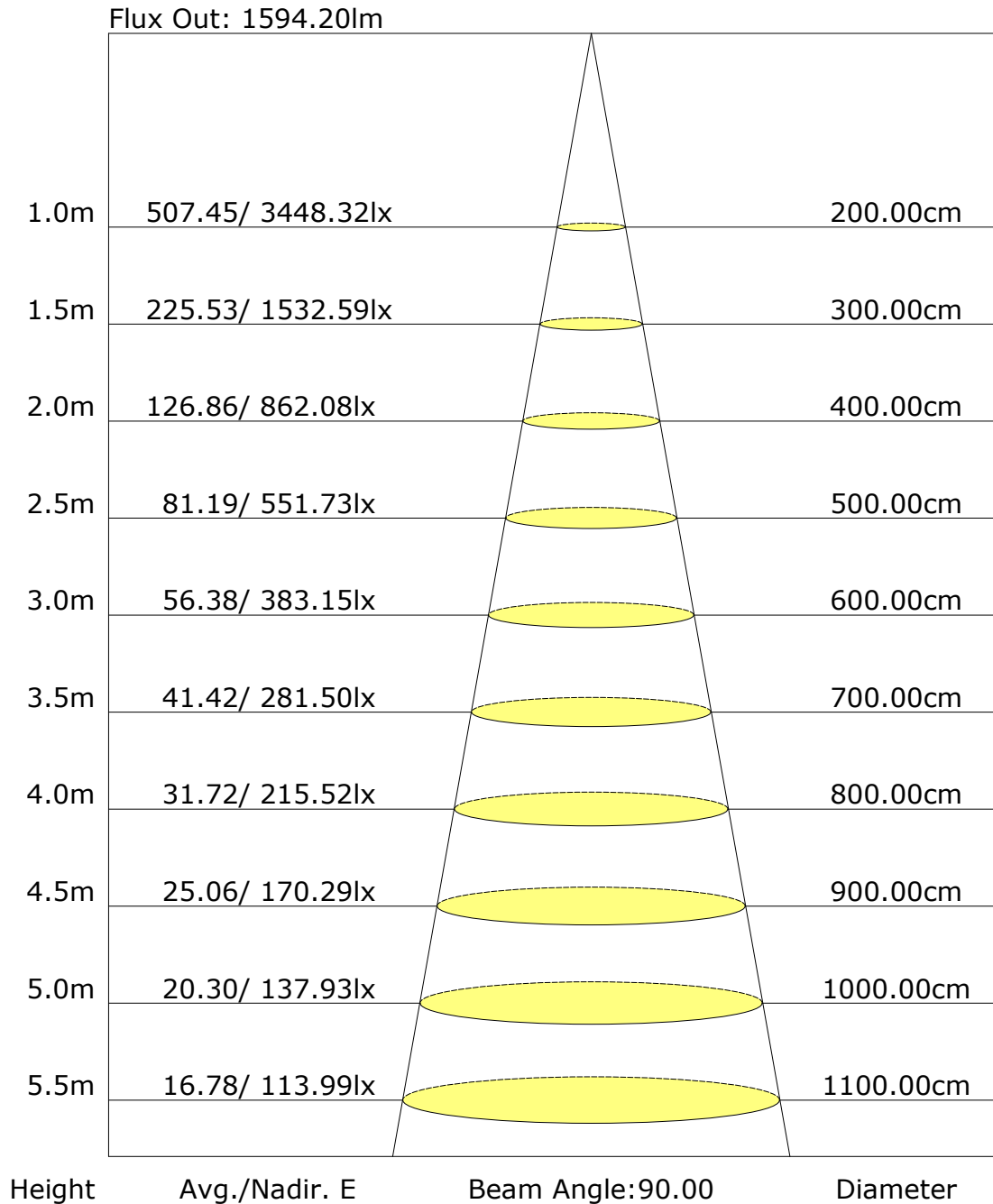


Lowest(m): 1m	Highest(m): 11	Max Lux: 3448
(1%): 34 lx	(2%): 69 lx	
(5%): 172 lx	(10%): 345 lx	
(20%): 690 lx	(50%): 1724 lx	
(100%): 3448 lx		

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: