

Report No.: 57.12511 DownLight Test Time: 2023-09-13 17:38

Luminaire Property

Luminaire Category: Bridgelux F90 V10C 3000K CRI90

Voltage: 225.4 V

Current: 0.093 A

Power: 19.90 W

Power Factor: 0.949

Photometric Results

CIE Class: Direct

Measurement Flux: 2254.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H51.4

Vertical Diffuse Angle(50%): V51.4

Luminaire Efficacy Rating (LER): 113

Max. Intensity: 3097.67 cd

Total Rated Lamp Lumens: 2254.2 lm

Efficiency: 100%

Upward Ratio: 0%

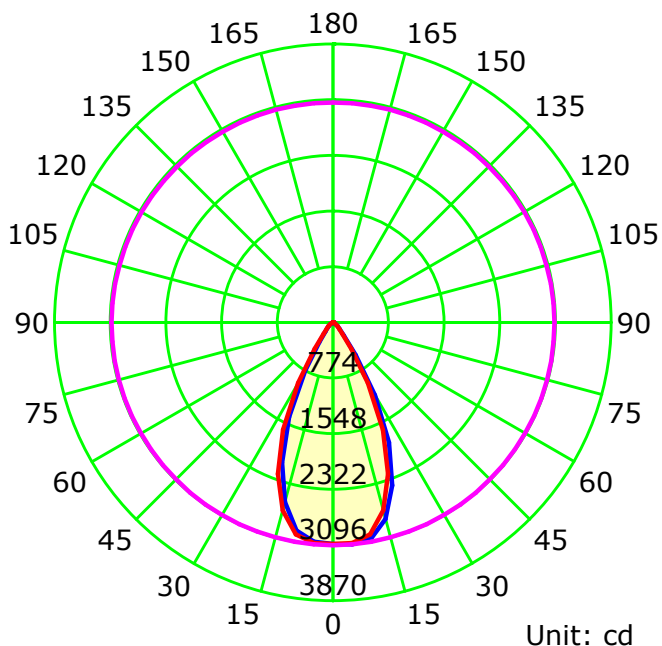
Central Intensity: 3081.33 cd

Pos of Max. Intensity: H0 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

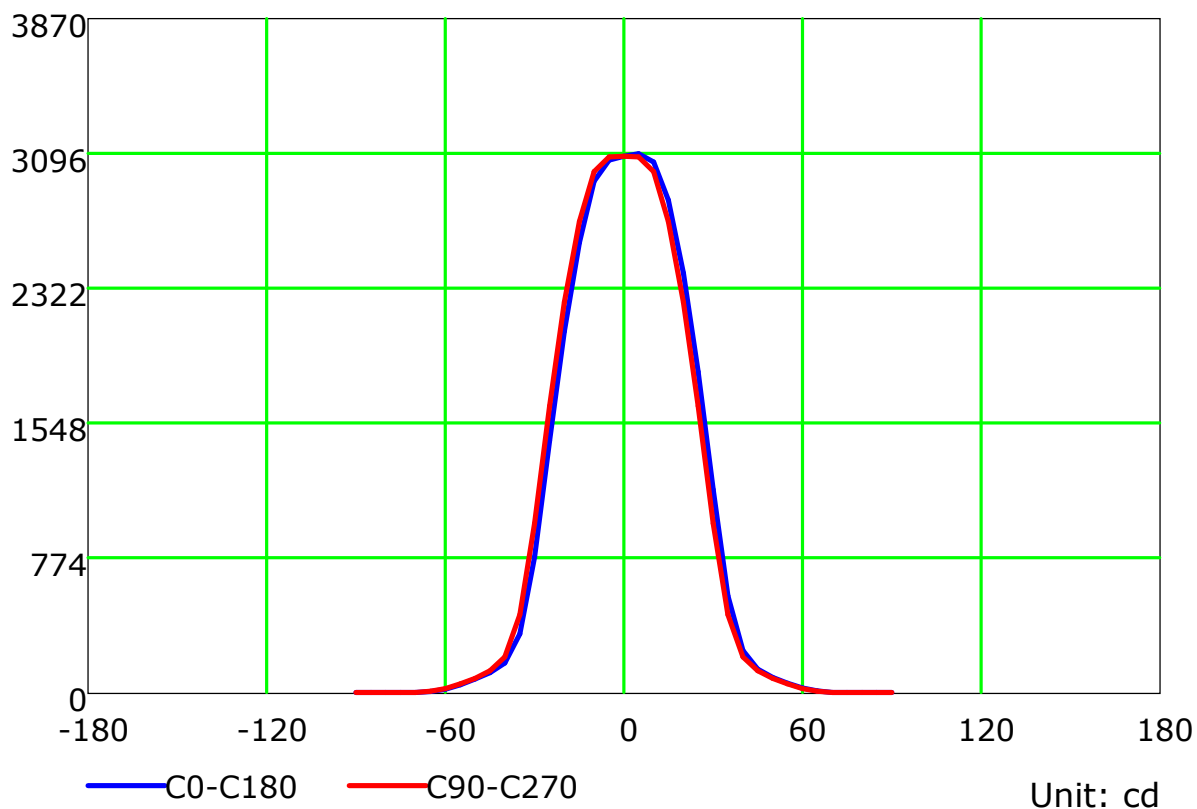
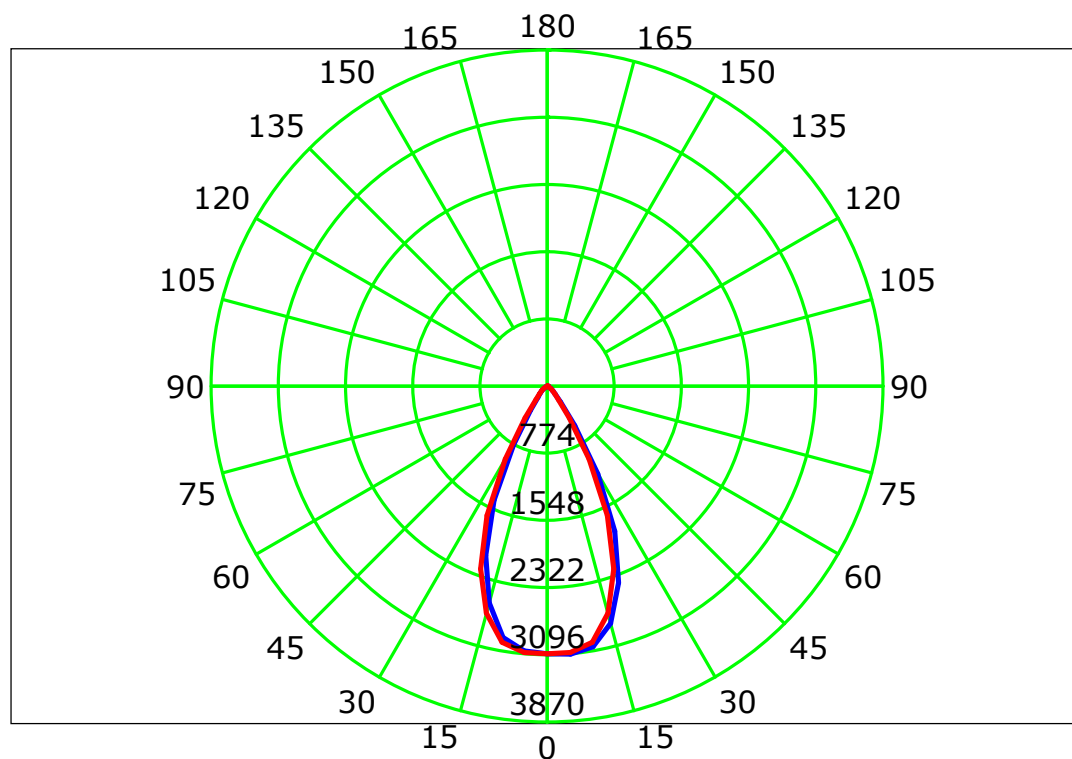
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

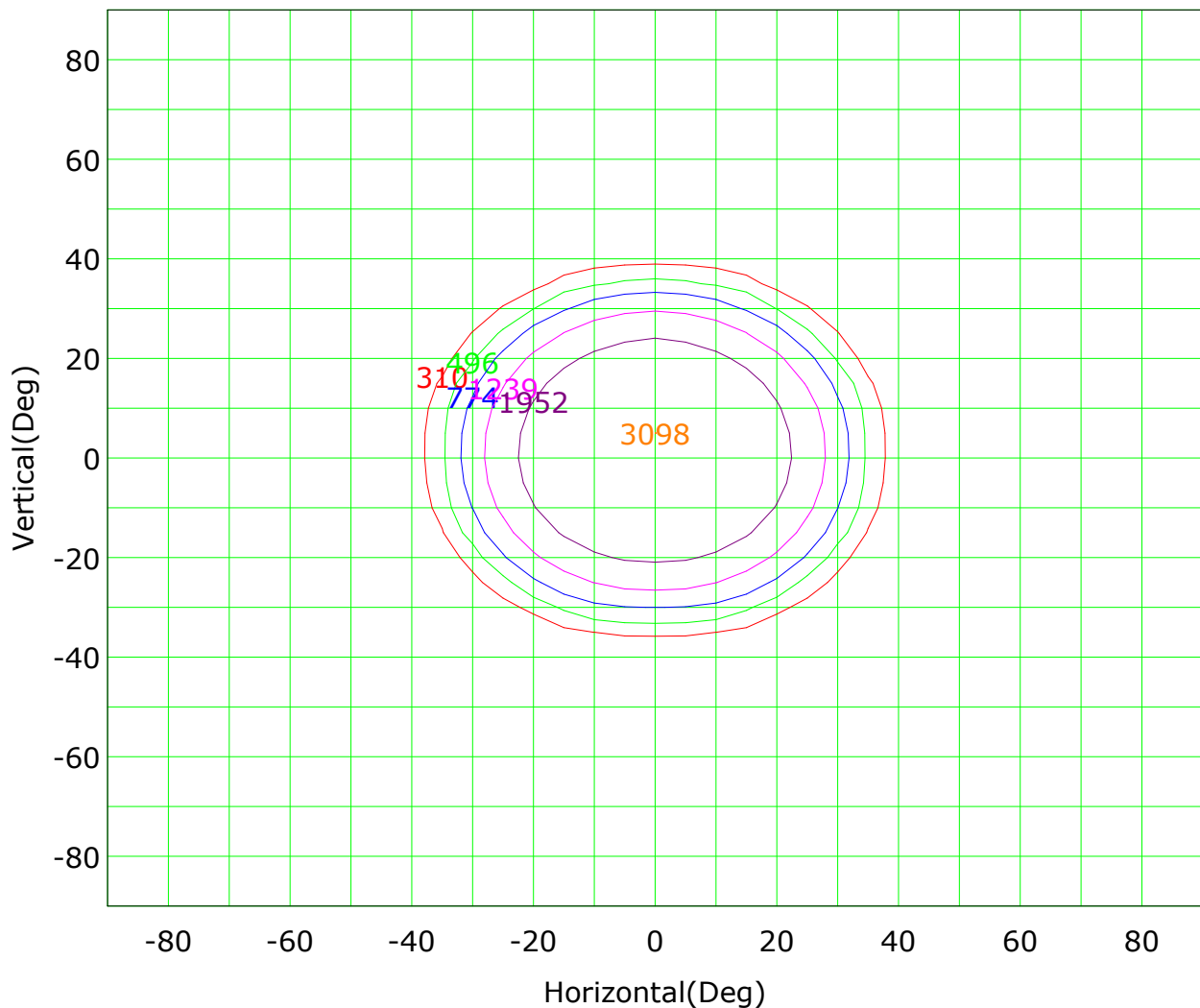
Luminous Intensity Distribution Curve



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%): 3098 cd

(10%): 310 cd	(16%): 496 cd
(25%): 774 cd	(40%): 1239 cd
(63%): 1952 cd	(100%): 3098 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

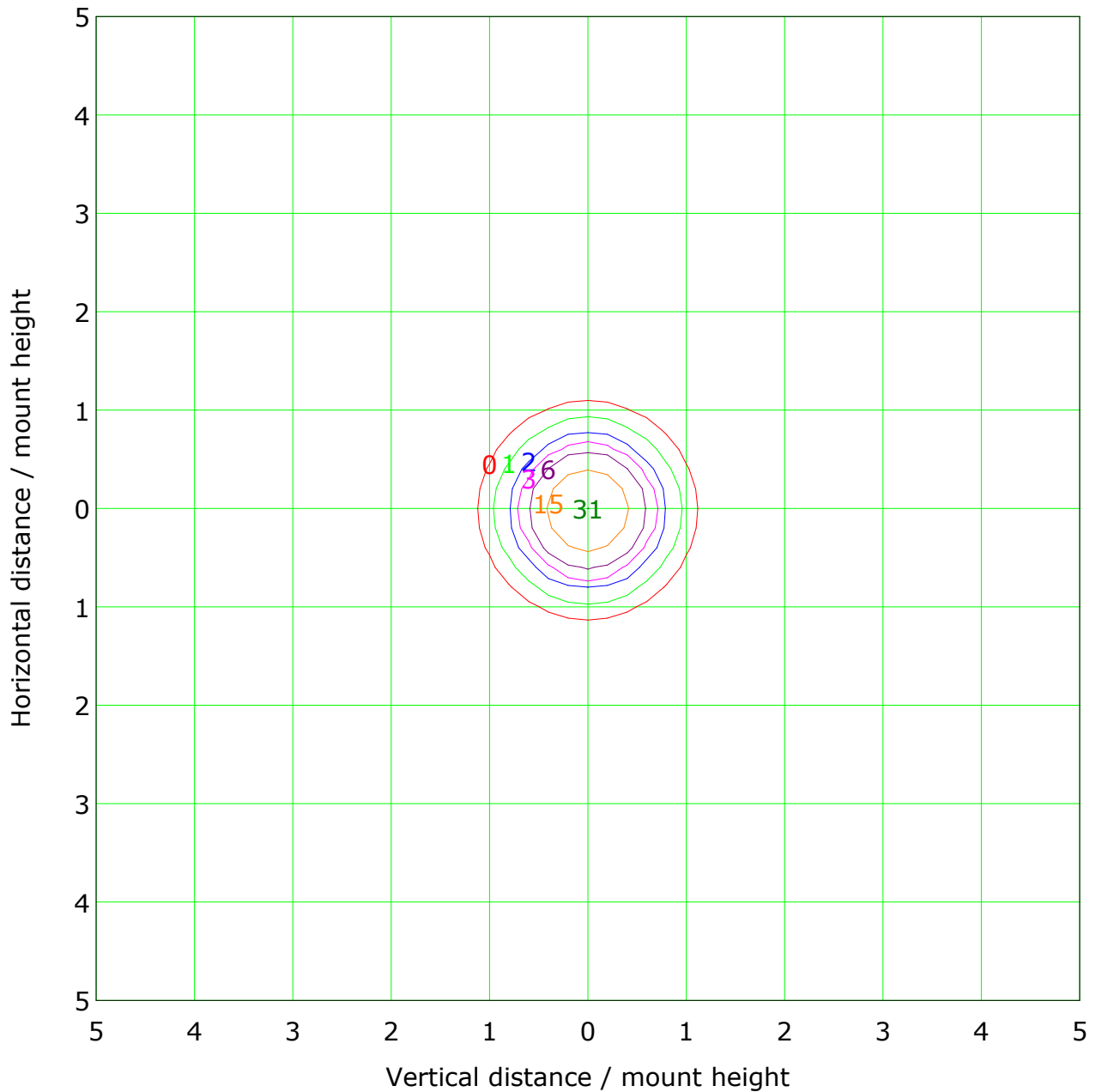
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



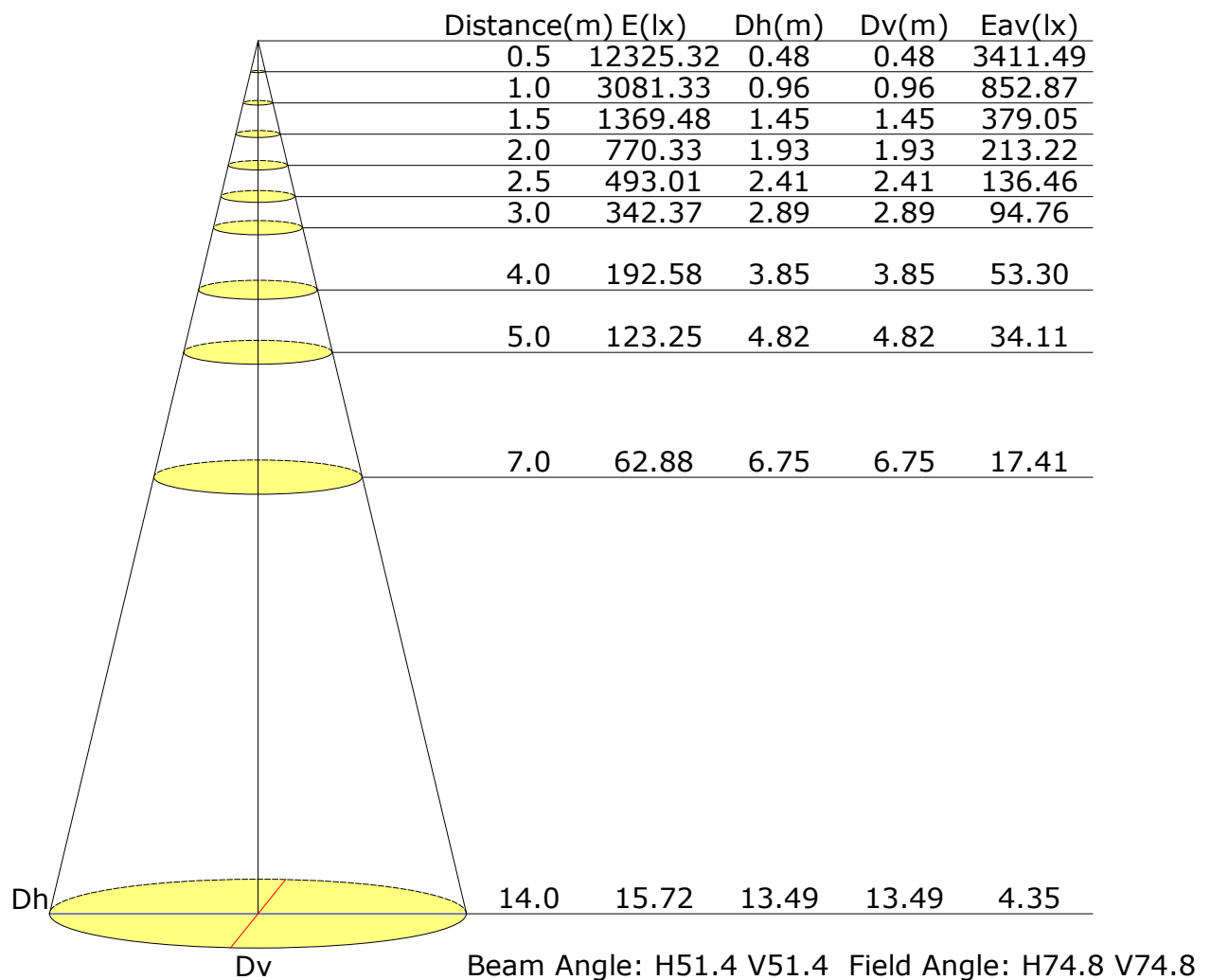
Mounting Height: 10m Max Lux(100%): 31 lx

(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	3 lx
(20%):	6 lx	(50%):	15 lx
(100%):	31 lx		

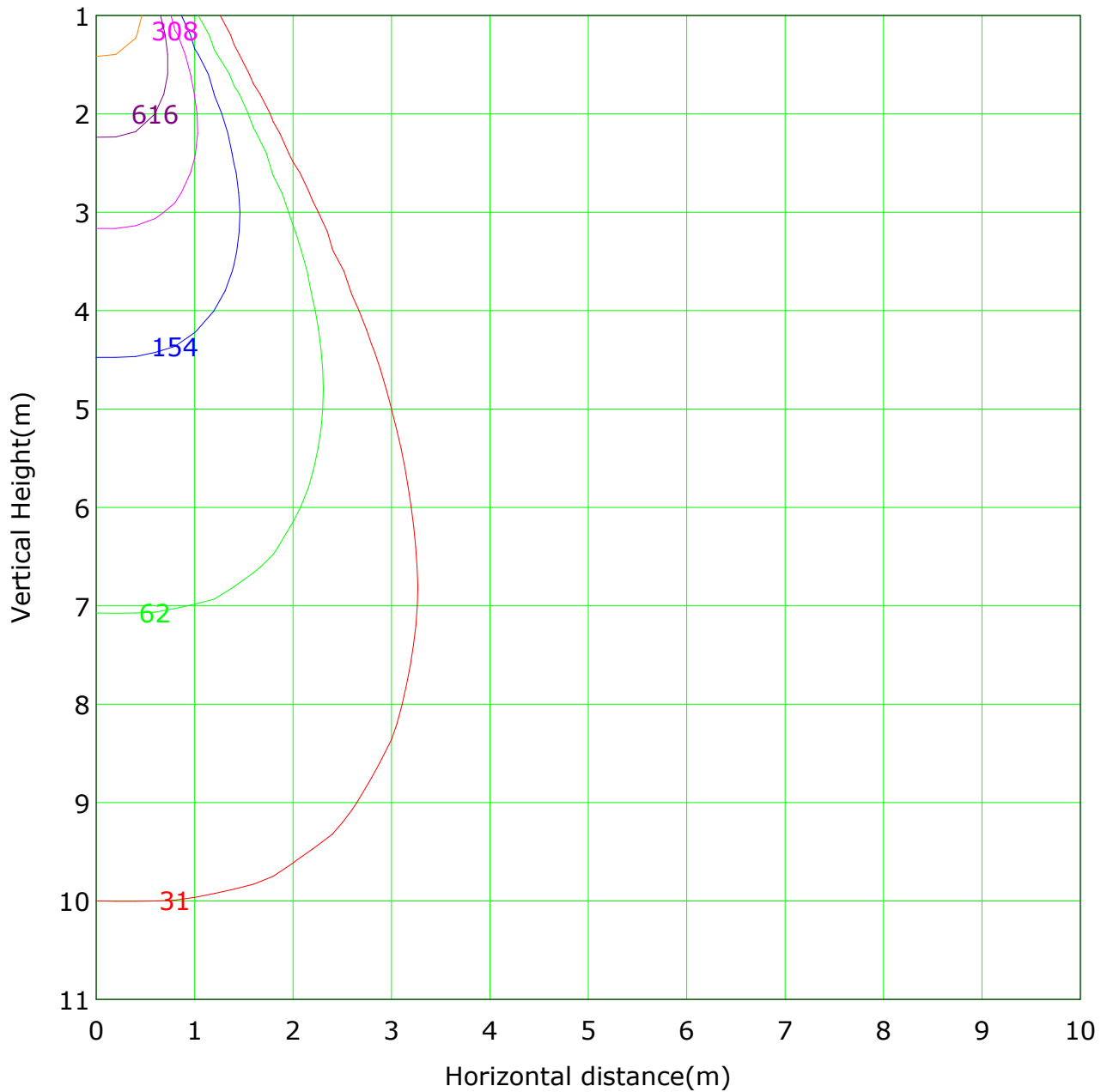
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

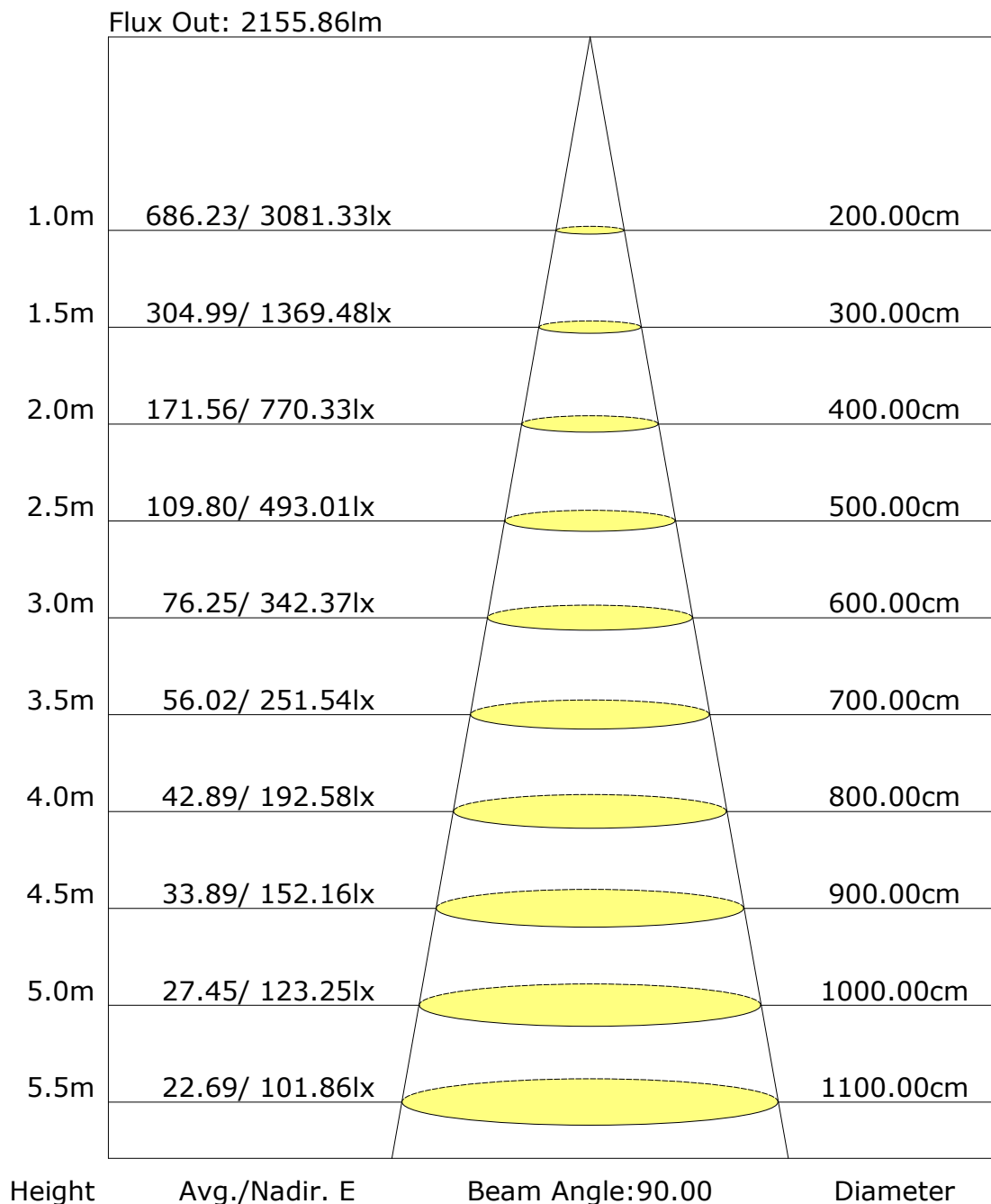


Lowest(m): 1m Highest(m): 11 Max Lux: 3081
 (1%): 31 lx (2%): 62 lx
 (5%): 154 lx (10%): 308 lx
 (20%): 616 lx (50%): 1541 lx
 (100%): 3081 lx

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: