

Report No.: 56.05518 EMMA DownLight

Test Time: 2023-09-09 14:47

Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90

Voltage: 219.1 V

Current: 0.120 A

Power: 14.10 W

Power Factor: 0.531

Photometric Results

CIE Class: Direct

Measurement Flux: 1546.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H37.9

Vertical Diffuse Angle(50%): V37.9

Luminaire Efficacy Rating (LER): 110

Max. Intensity: 3449.34 cd

Total Rated Lamp Lumens: 1546.1 lm

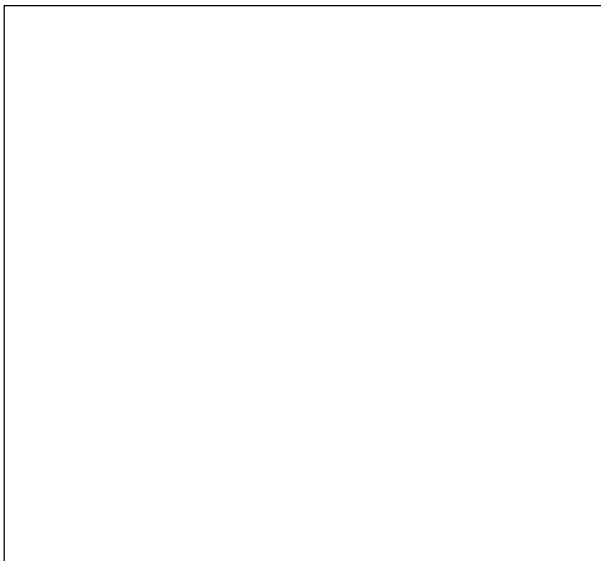
Efficiency: 100%

Upward Ratio: 0%

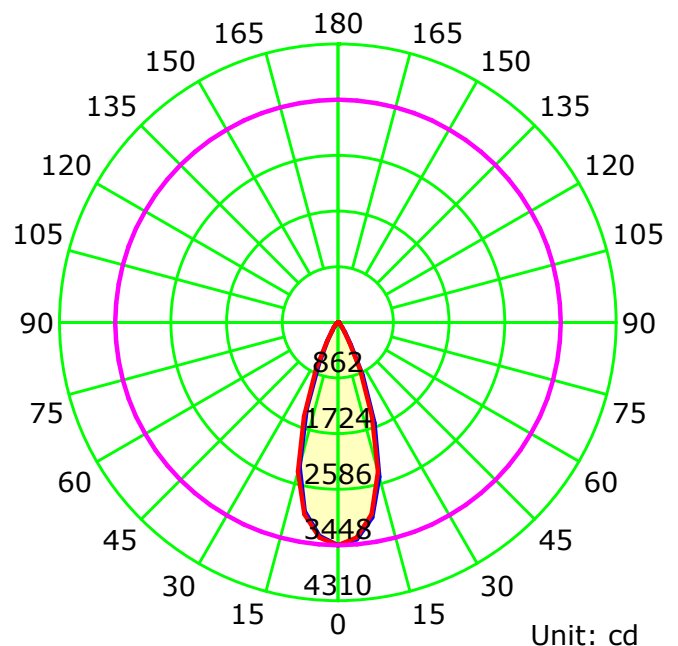
Central Intensity: 3449.33 cd

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

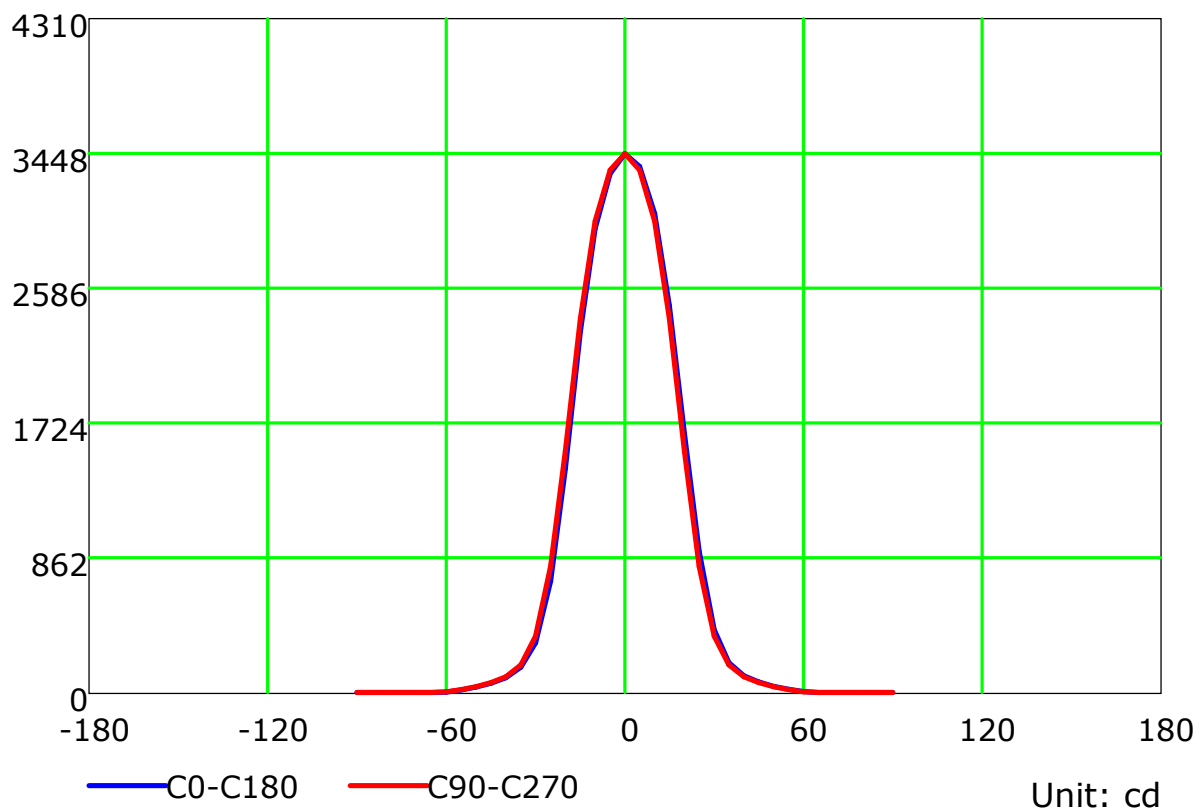
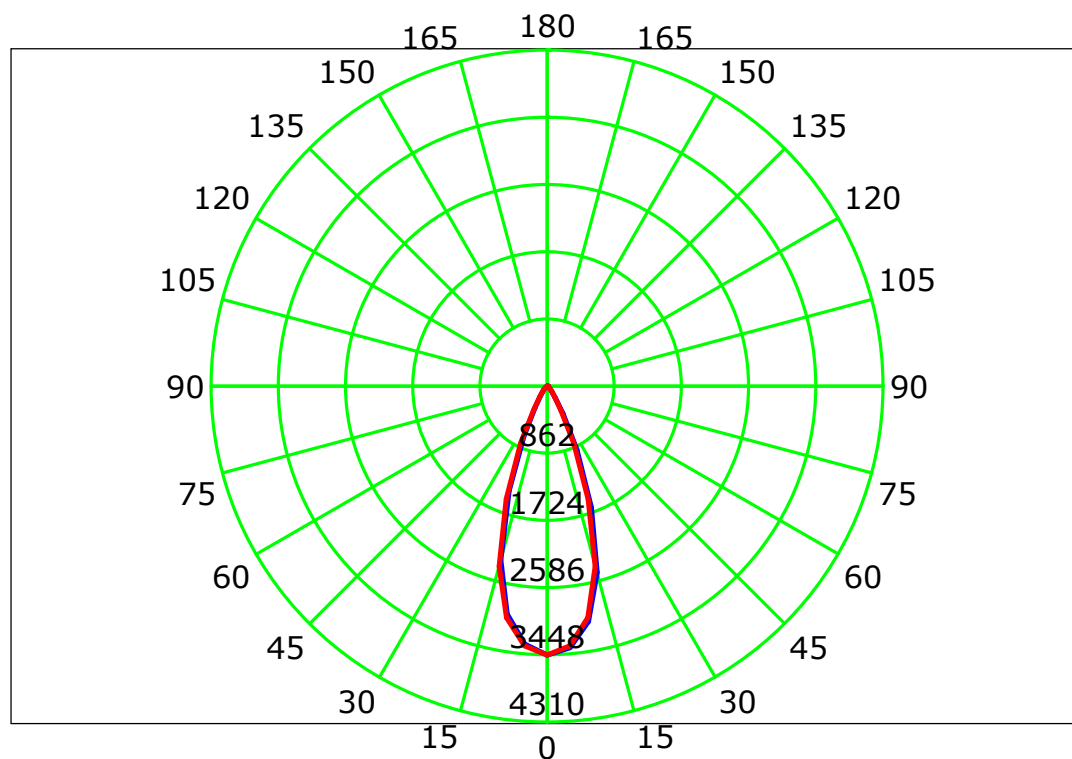
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

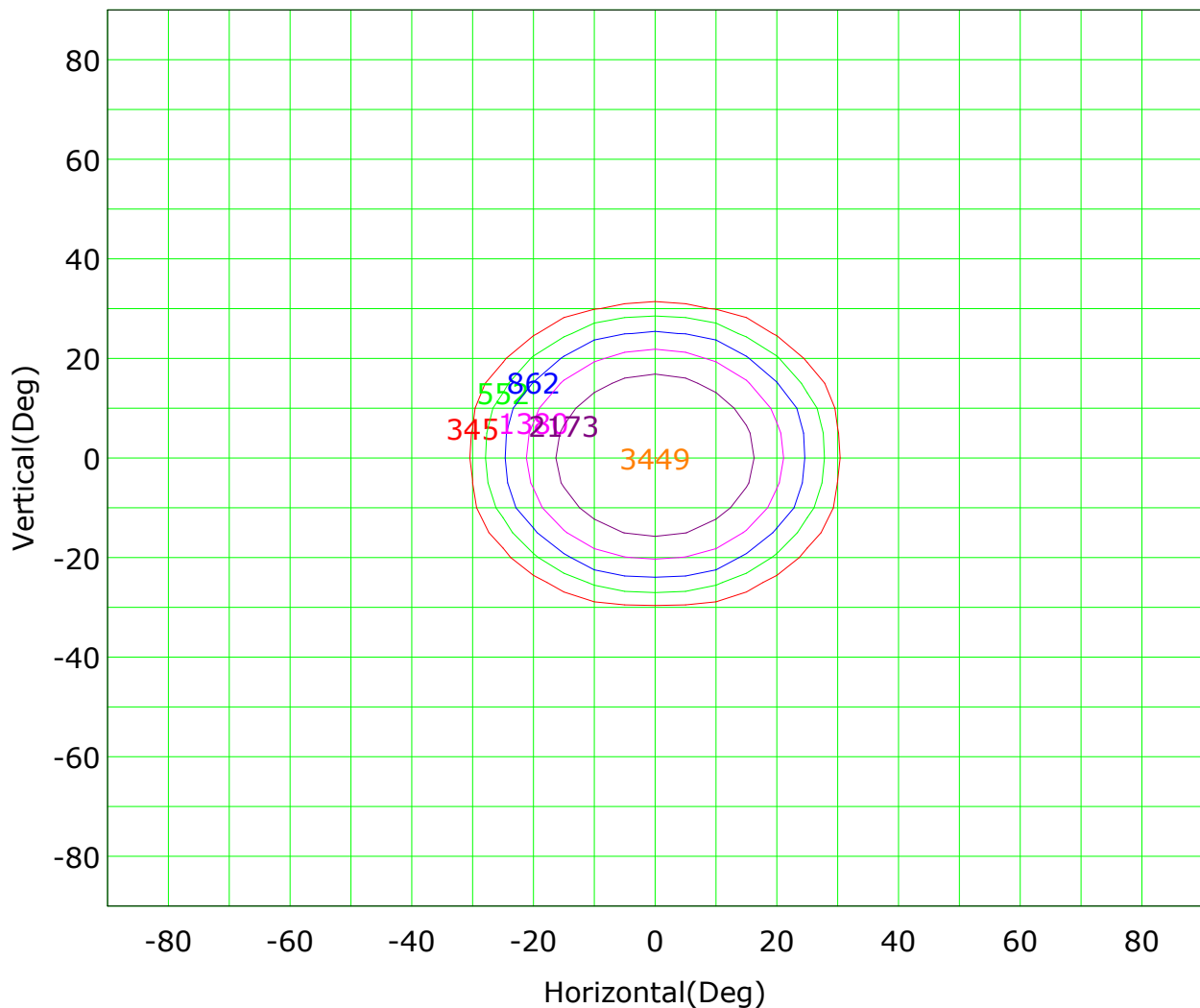
Luminous Intensity Distribution Curve



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%): 3449 cd

| | |
|-----------------|-----------------|
| (10%): 345 cd | (16%): 552 cd |
| (25%): 862 cd | (40%): 1380 cd |
| (63%): 2173 cd | (100%): 3449 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

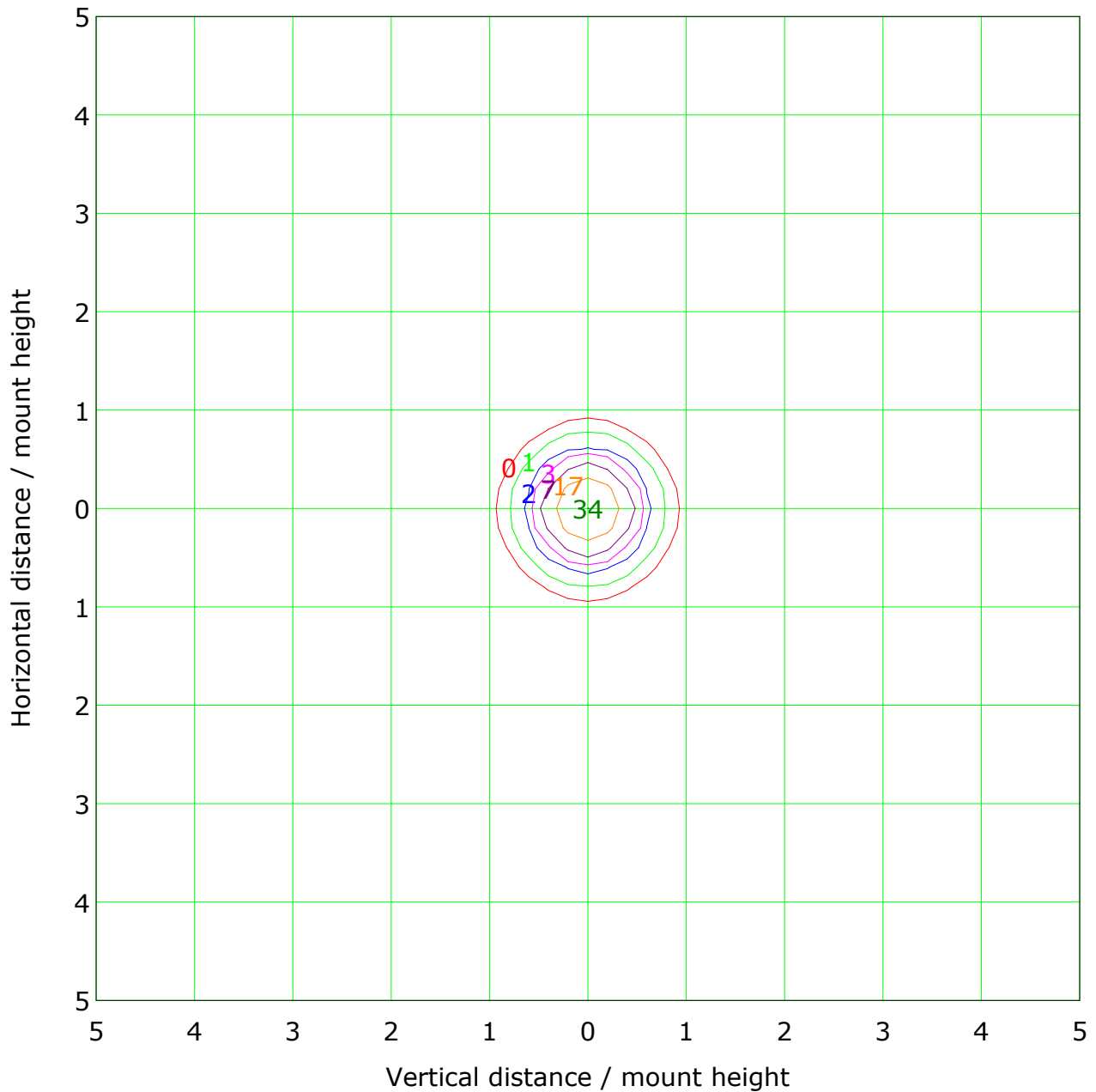
Test Device: CHL-6E

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

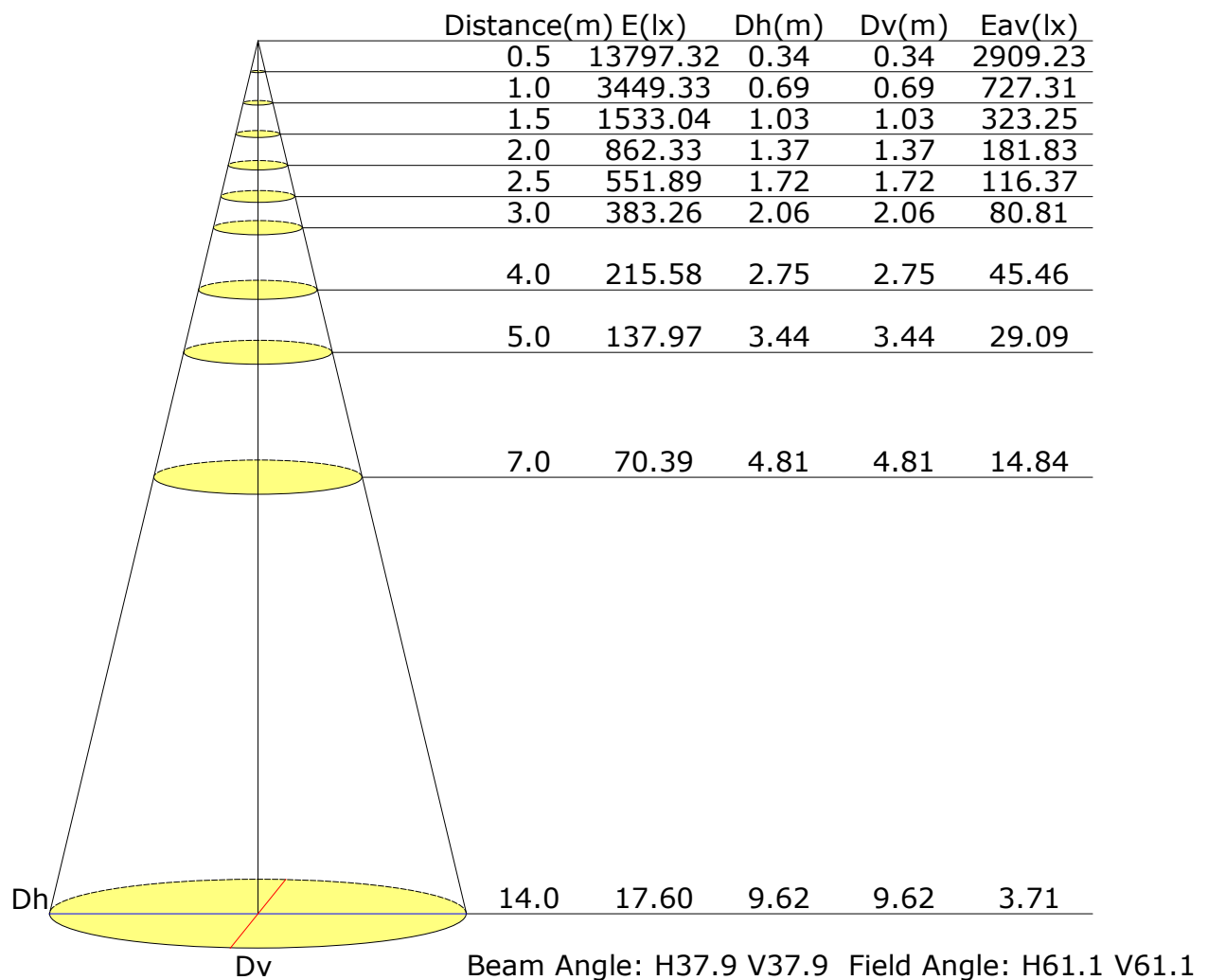
Test Device: CHL-6E

Distance: 3.000 m

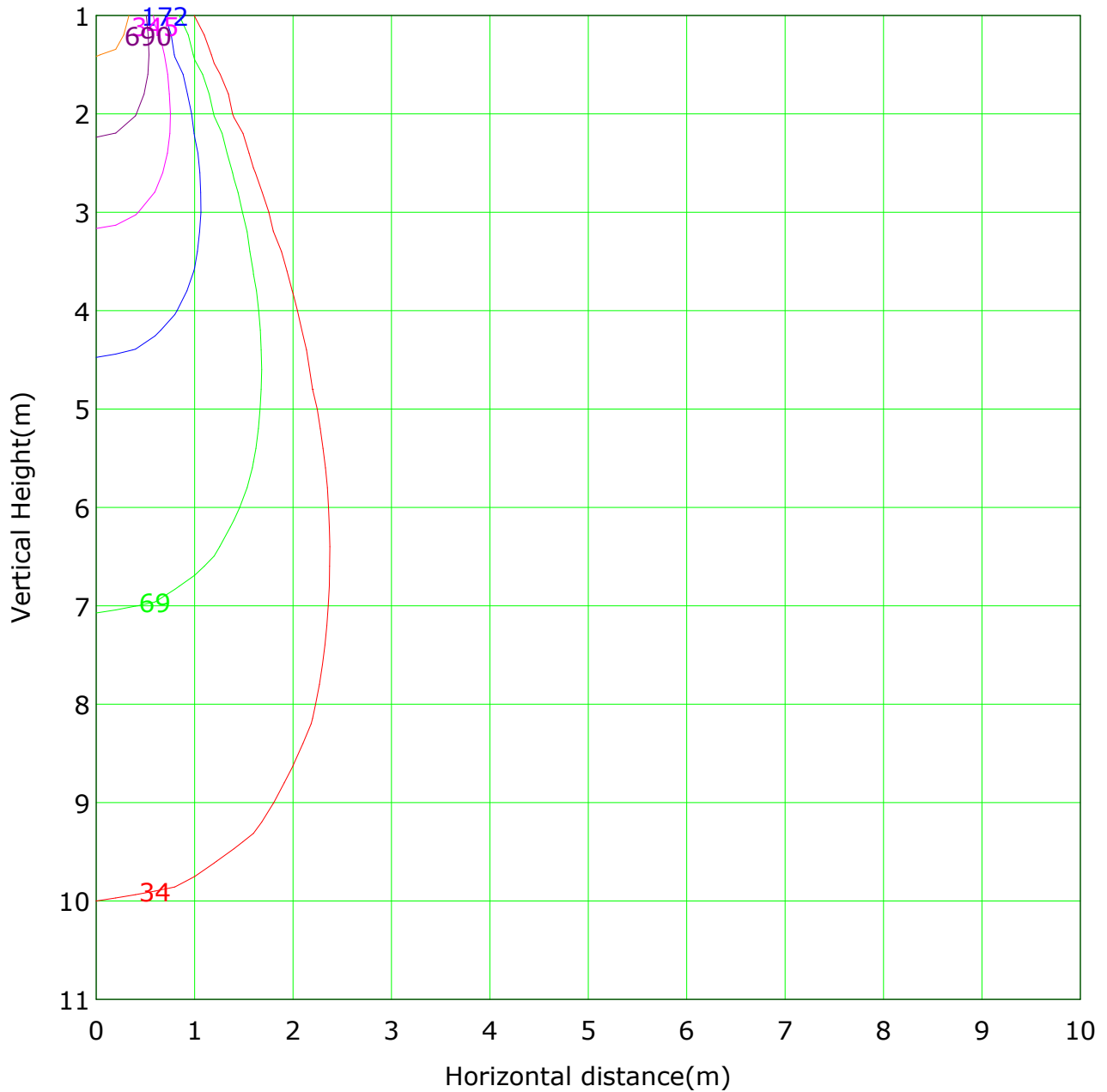
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



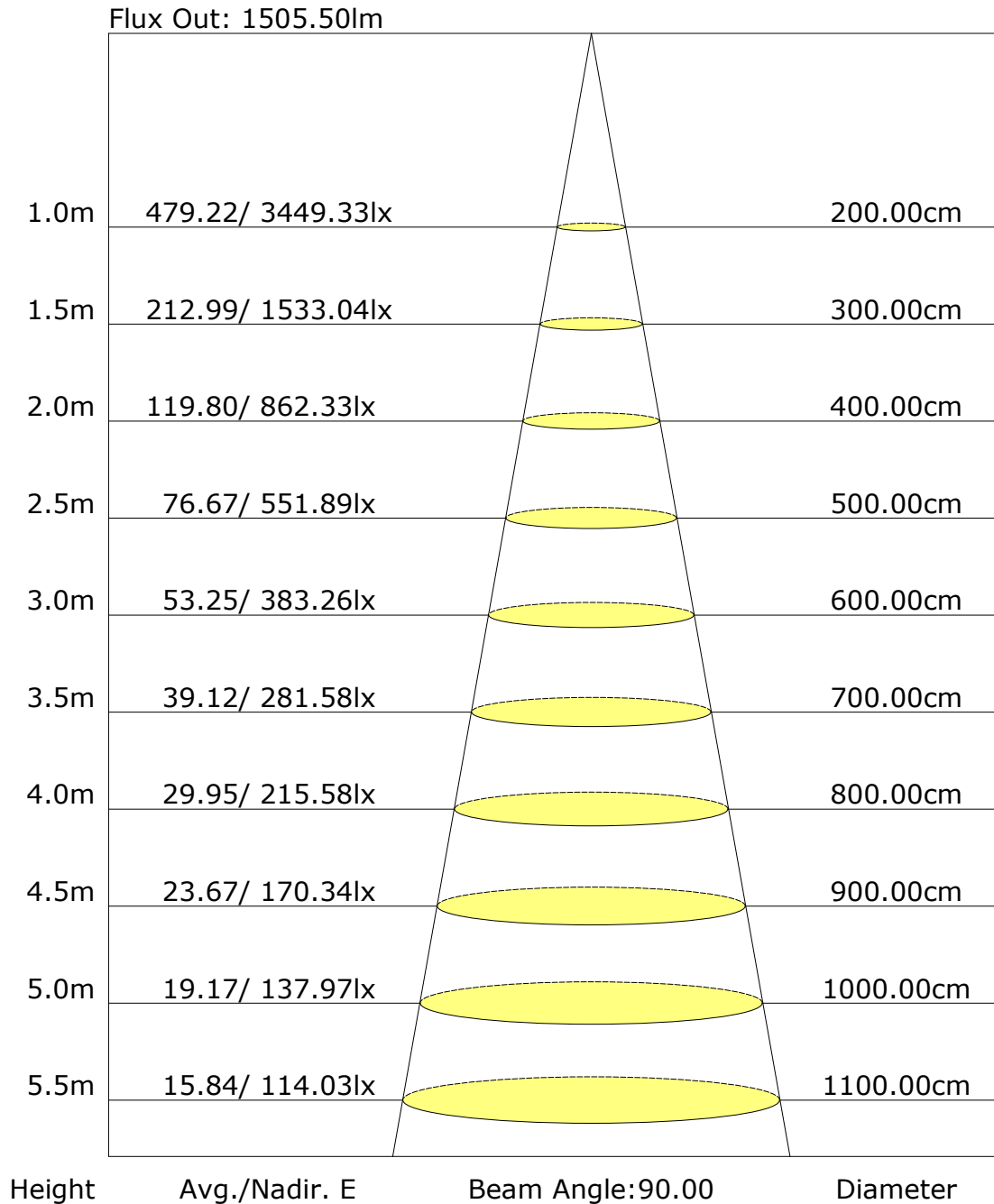
Lowest(m): 1m Highest(m): 11 Max Lux: 3449

| | |
|-----------------|-----------------|
| (1%): 34 lx | (2%): 69 lx |
| (5%): 172 lx | (10%): 345 lx |
| (20%): 690 lx | (50%): 1725 lx |
| (100%): 3449 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: