

Report No.: 56.02311 NOVAL Downlight

Test Time: 2023-07-03 16:10

Luminaire Property

Luminaire Category: Bridgelux 3535 3000K CRI90

Voltage: 212.5 V

Current: 0.022 A

Power: 2.60 W

Power Factor: 0.541

Photometric Results

CIE Class: Direct

Measurement Flux: 90.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H31.1

Vertical Diffuse Angle(50%): V31.1

Luminaire Efficacy Rating (LER): 35

Max. Intensity: 231.09 cd

Total Rated Lamp Lumens: 90.2 lm

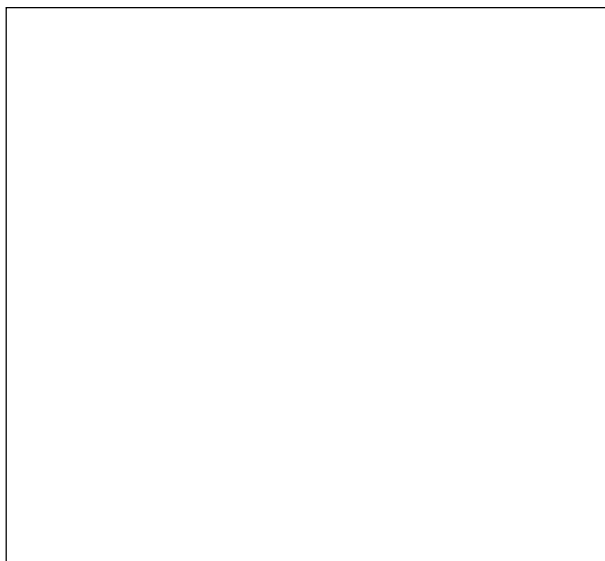
Efficiency: 100%

Upward Ratio: 0%

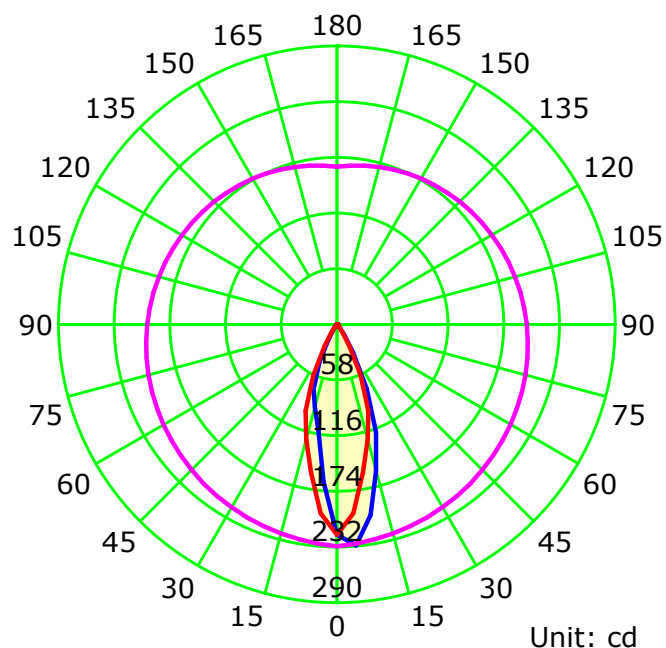
Central Intensity: 219.09 cd

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

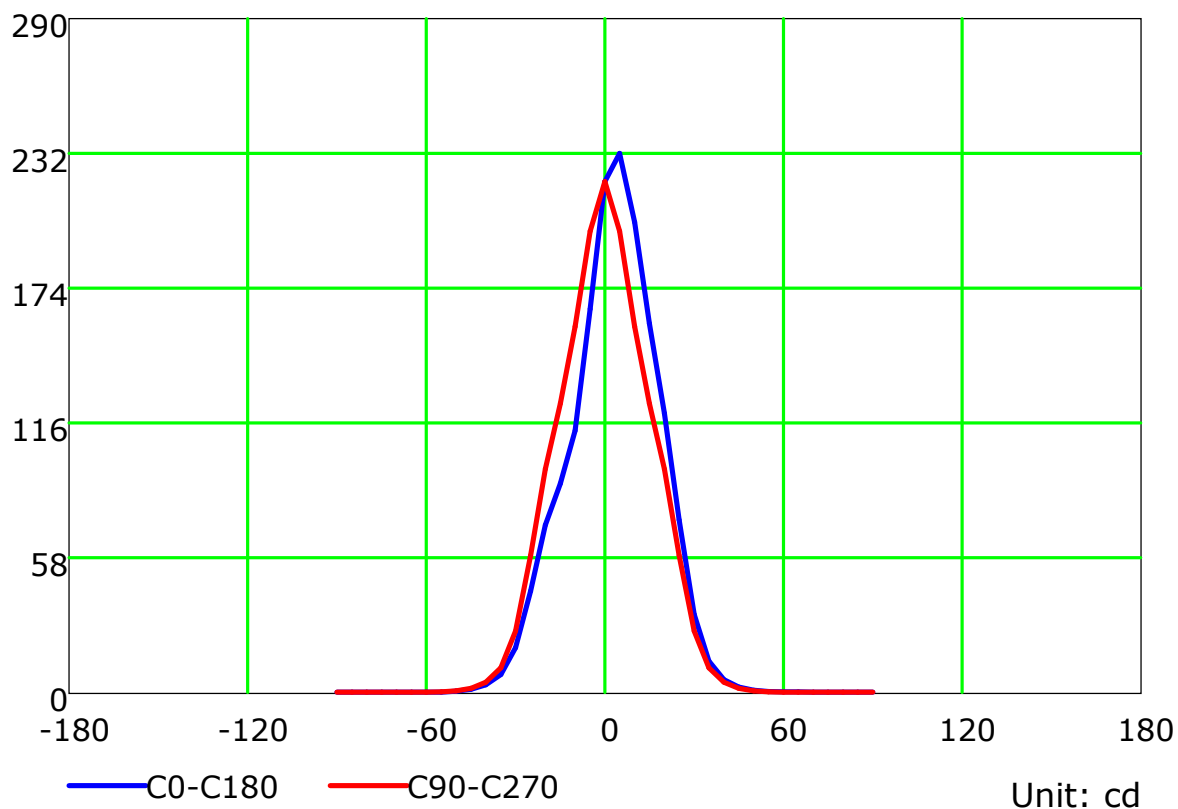
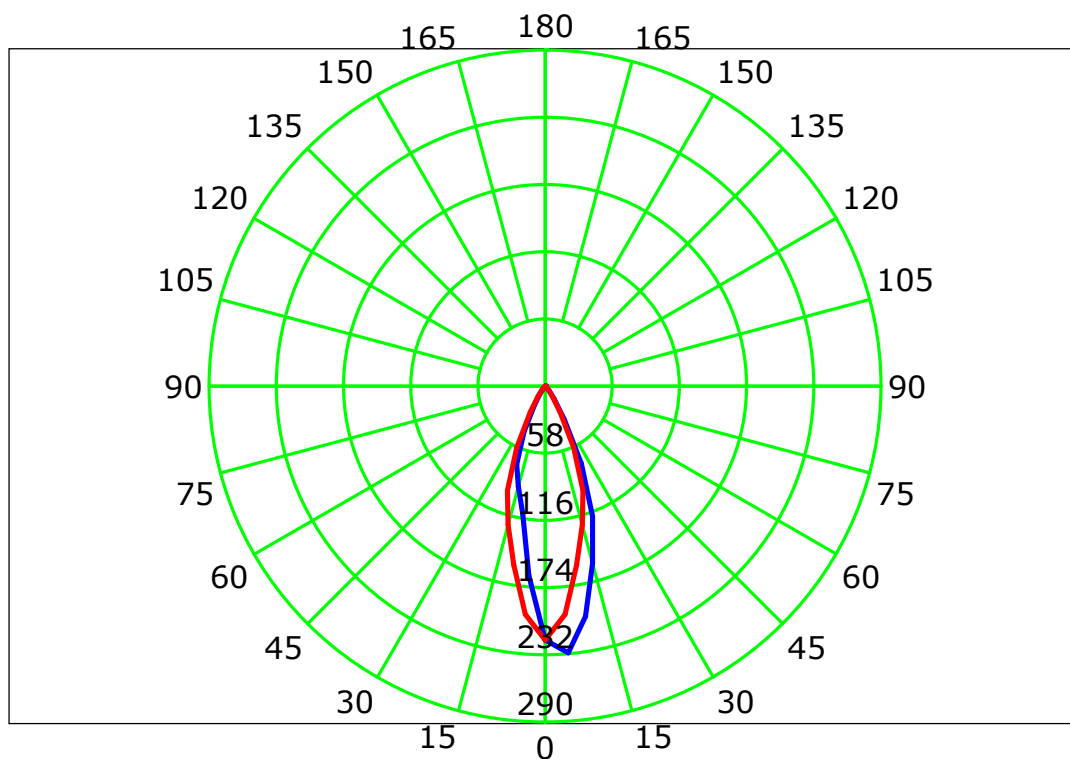
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

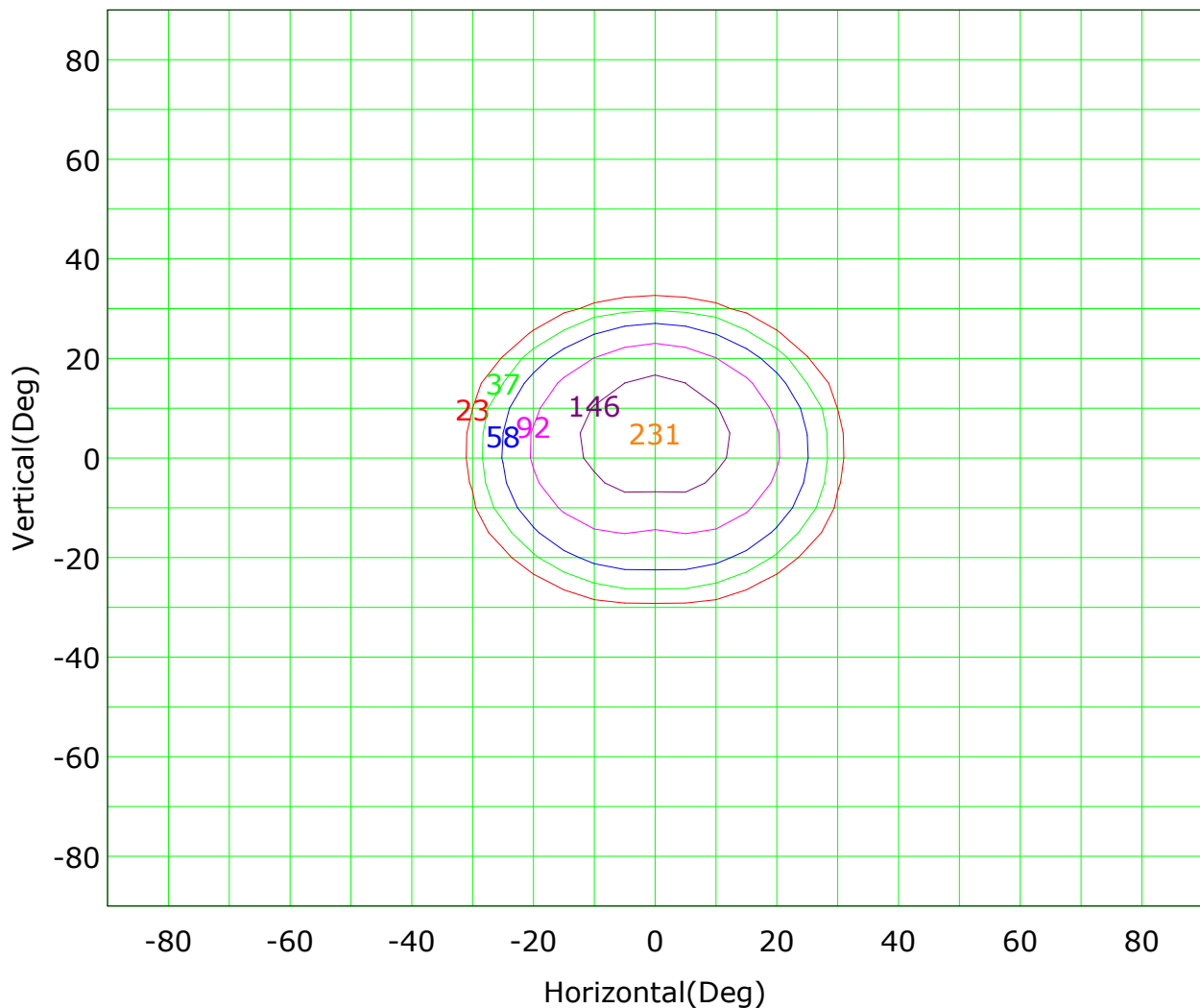
Luminous Intensity Distribution Curve



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%): 231 cd

| | | | |
|---------|--------|---------|--------|
| (10%): | 23 cd | (16%): | 37 cd |
| (25%): | 58 cd | (40%): | 92 cd |
| (63%): | 146 cd | (100%): | 231 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

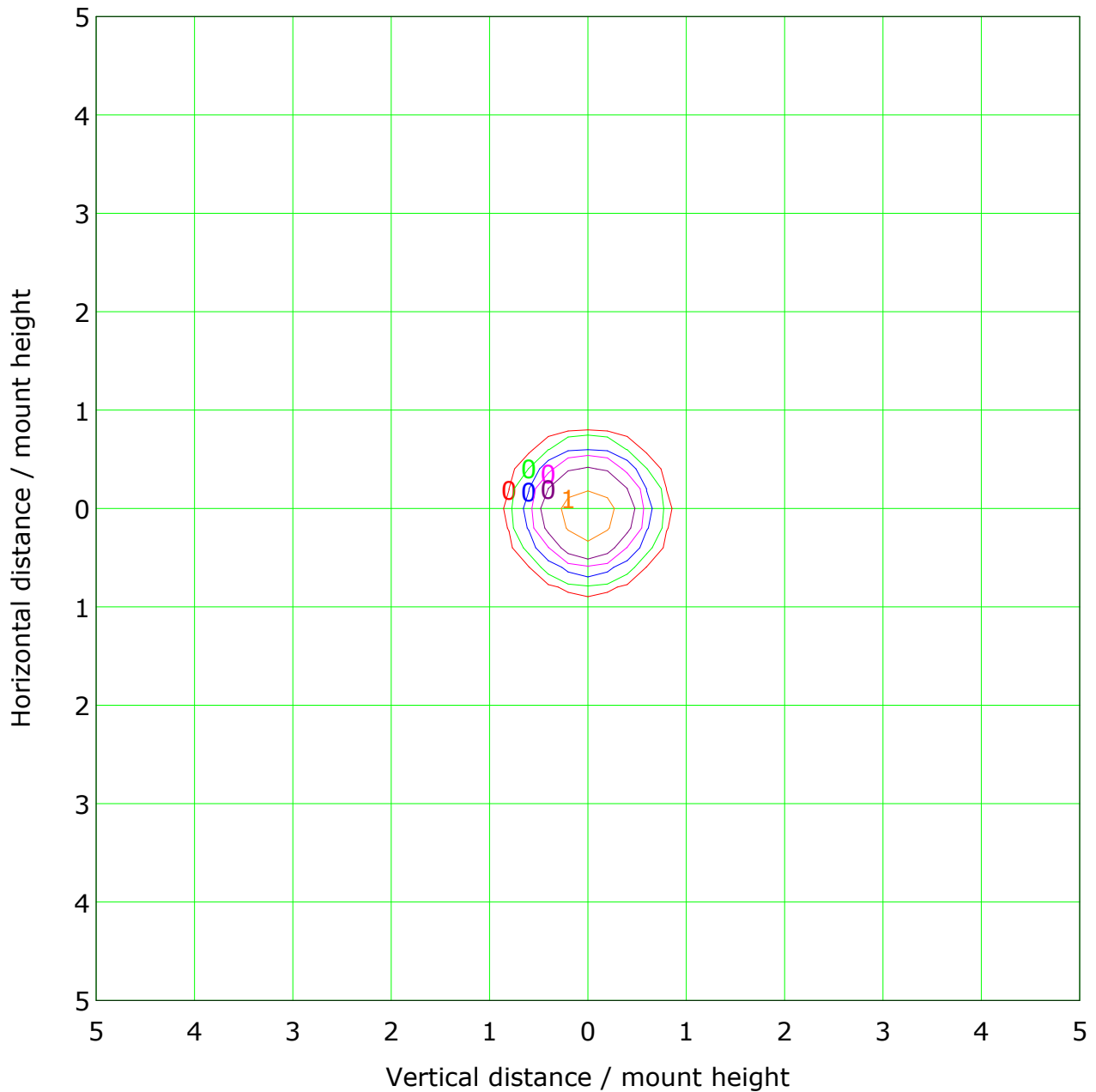
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



| | | | |
|----------------------|------|---------------------|------|
| Mounting Height: 10m | | Max Lux(100%): 2 lx | |
| — (1%): | 0 lx | — (2%): | 0 lx |
| — (5%): | 0 lx | — (10%): | 0 lx |
| — (20%): | 0 lx | — (50%): | 1 lx |
| — (100%): | 2 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

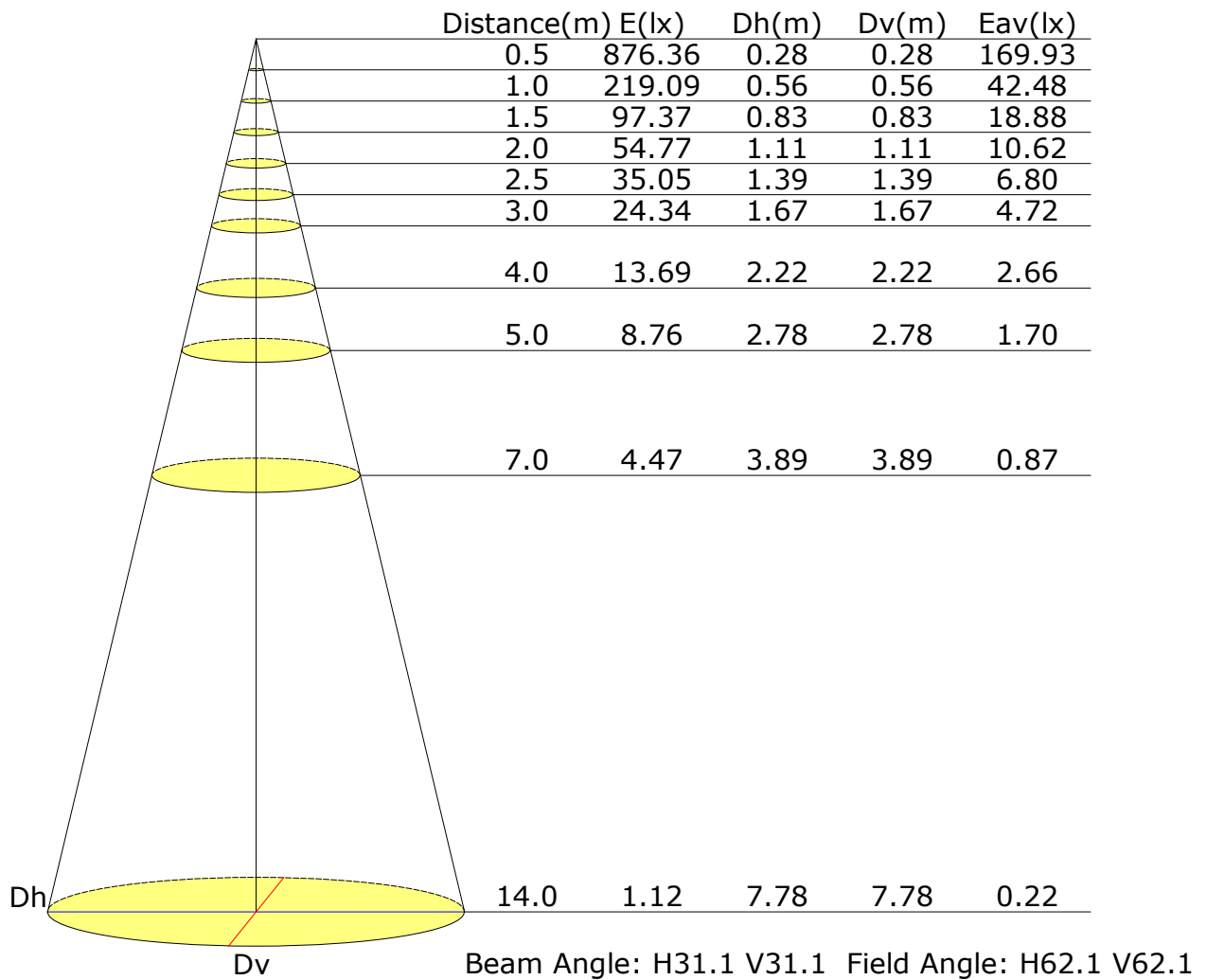
Test Device: CHL-6E

Distance: 3.000 m

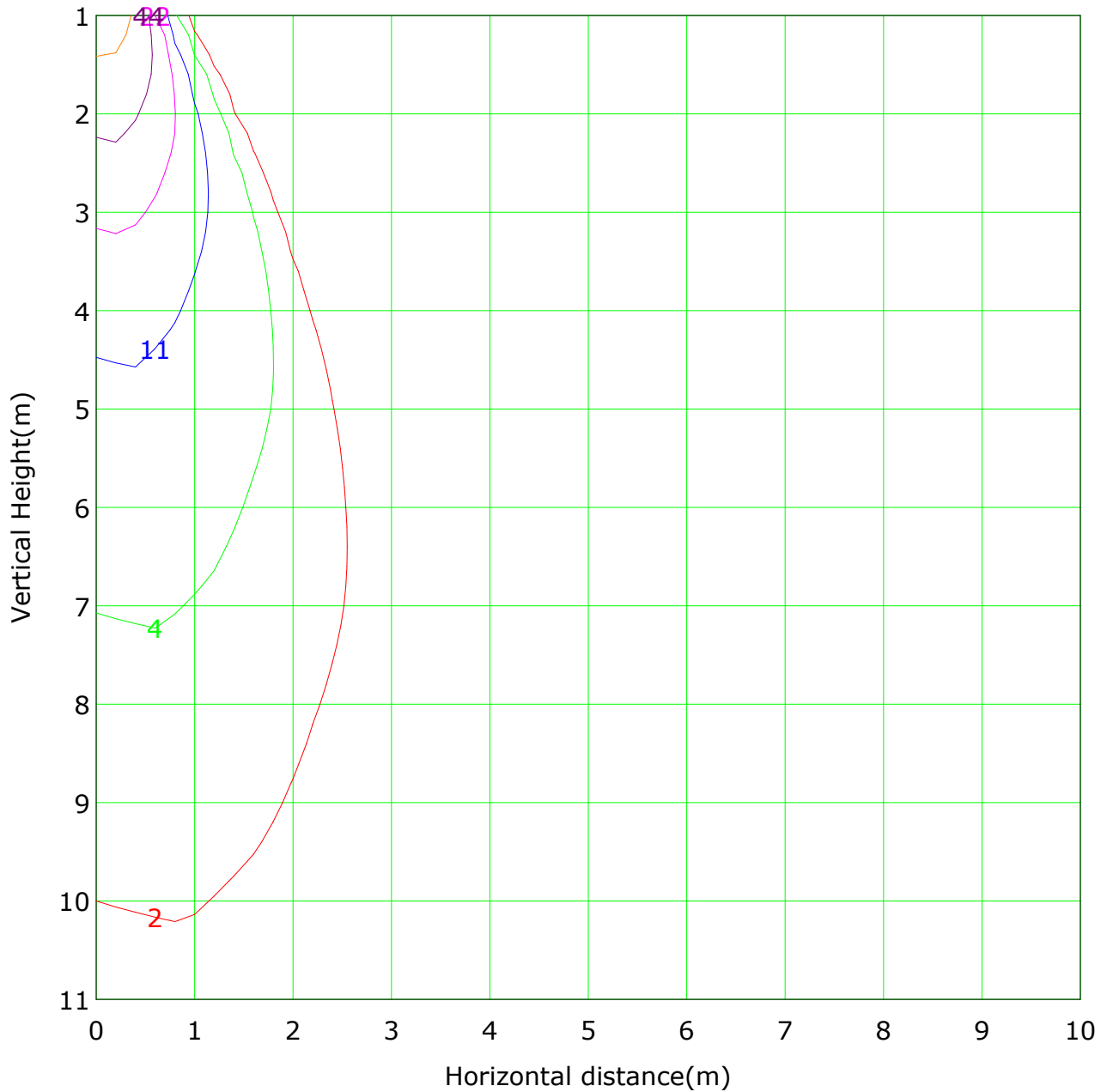
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



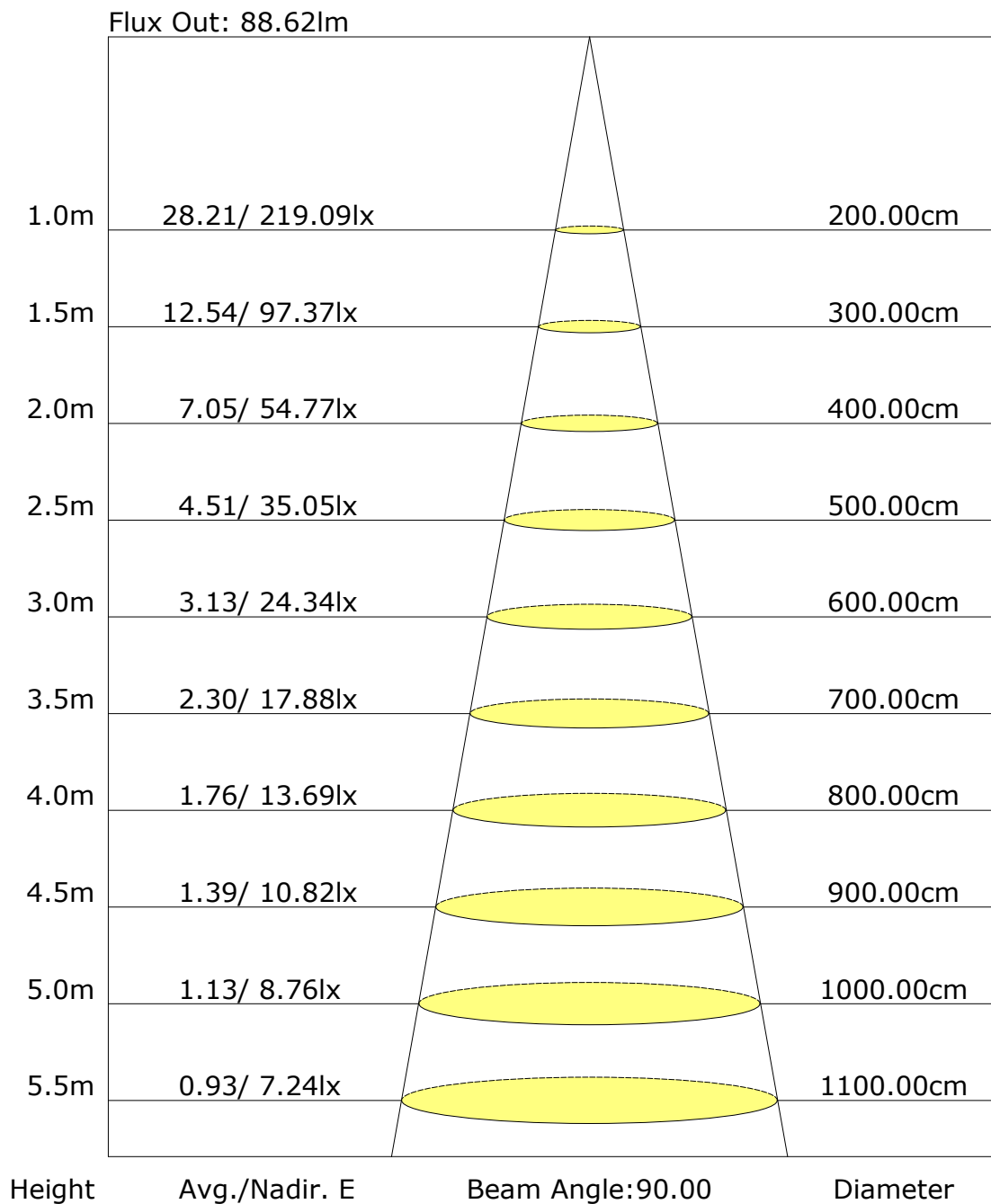
Lowest(m): 1m Highest(m): 11 Max Lux: 219

| | |
|----------------|----------------|
| (1%): 2 lx | (2%): 4 lx |
| (5%): 11 lx | (10%): 22 lx |
| (20%): 44 lx | (50%): 110 lx |
| (100%): 219 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:

Zonal Lumen

[illegible]

Inspector:

Candlepower Table

Unit: cd

[illegible]

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: