

Report No.:31.06211 With Driver Box

Test Time: 2022-04-28 09:07

## Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Voltage: 208.8 V

Current: 0.122 A

Power: 24.40 W

Power Factor: 0.949

## Photometric Results

CIE Class: Direct

Measurement Flux: 2177.8 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 2177.8 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H32.6,H25.2,H18,H0

Vertical Diffuse Angle(25%,50%,75%,100%): V32.6,V25.2,V18,V0

Luminaire Efficacy Rating (LER): 89

Central Intensity: 10462.51 cd

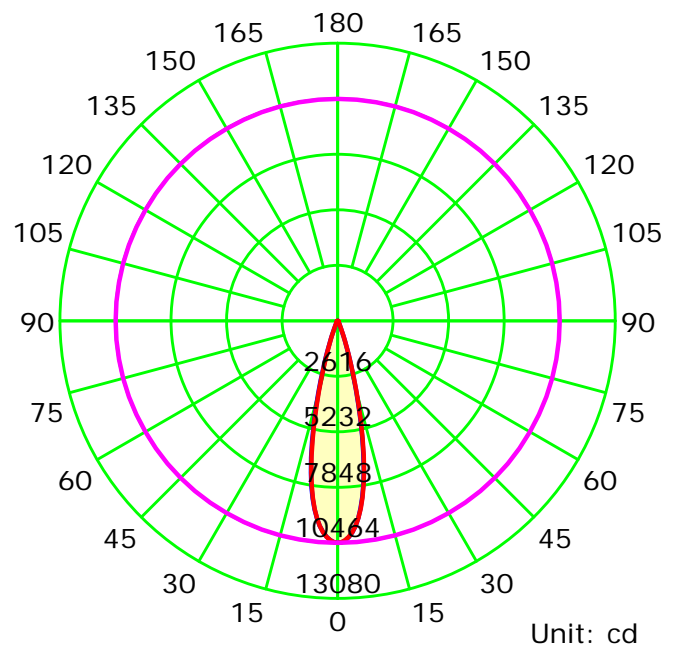
Max. Intensity: 10462.51 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 25.2°

— 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: 1.0

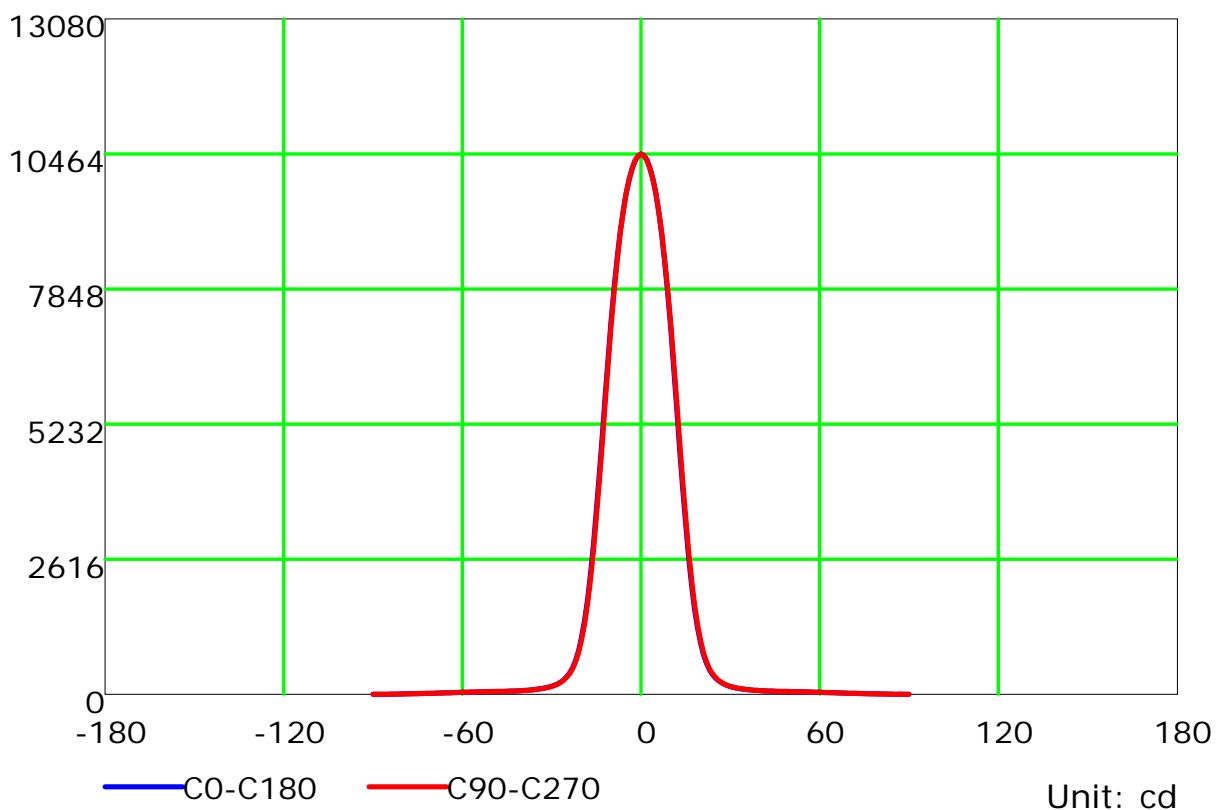
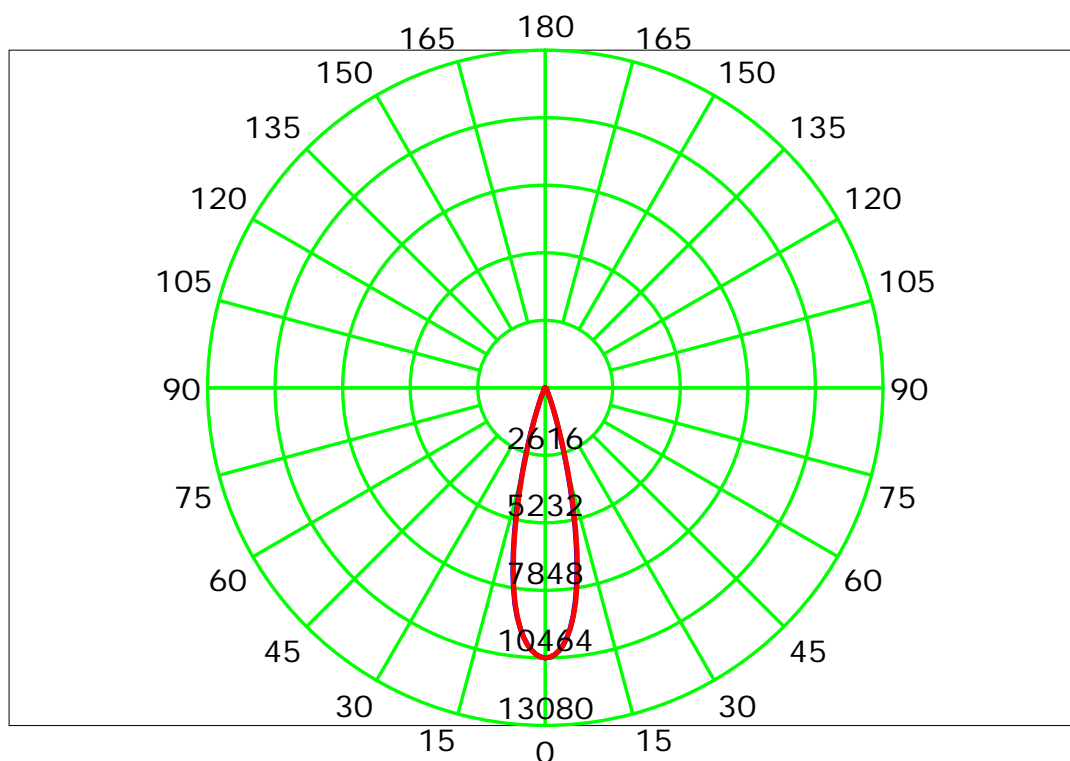
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



Unit: cd

C Plane (°): 0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

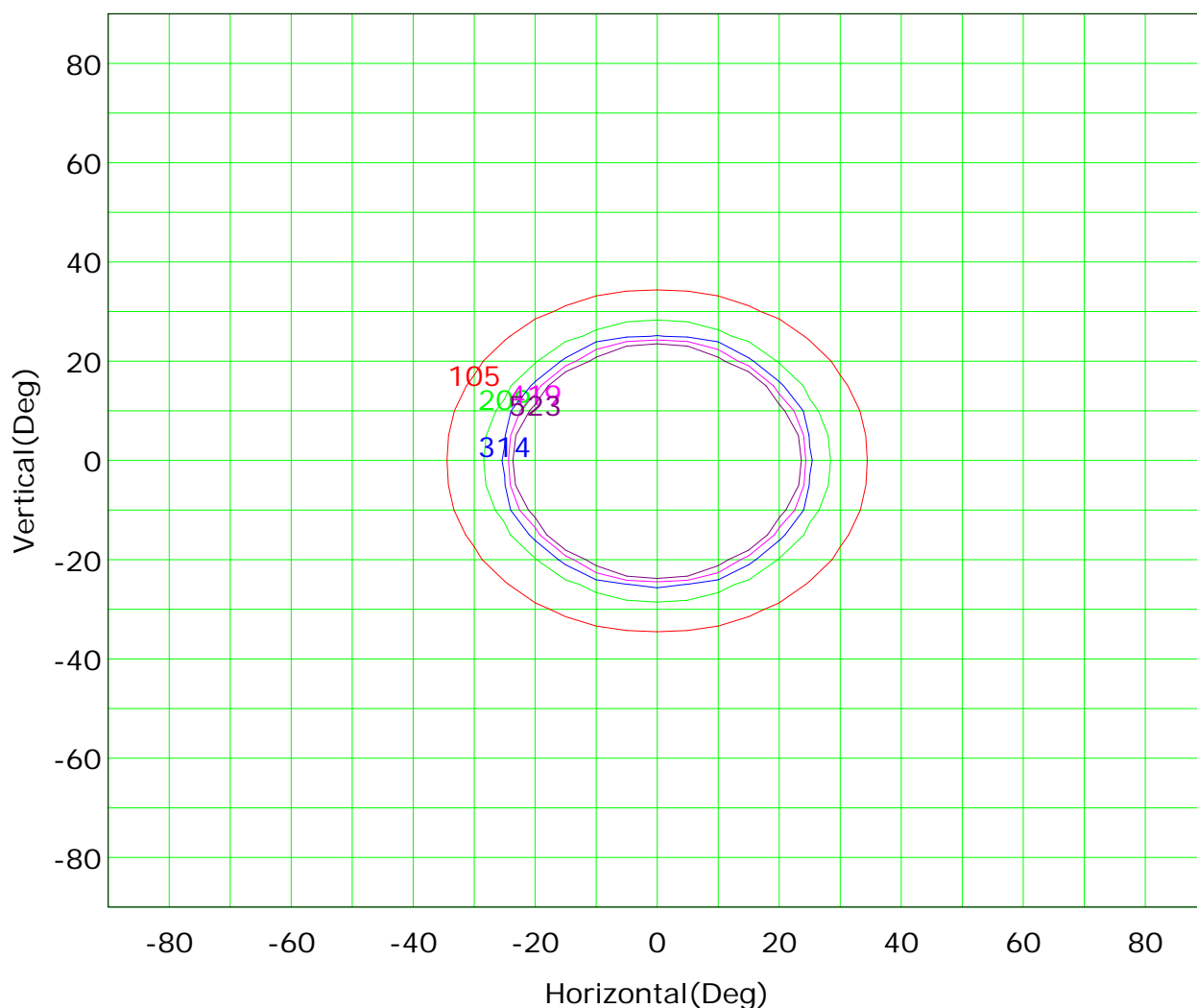
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 10463 cd

( 1%): 105 cd

( 3%): 314 cd

( 5%): 523 cd

( 2%): 209 cd

( 4%): 419 cd

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

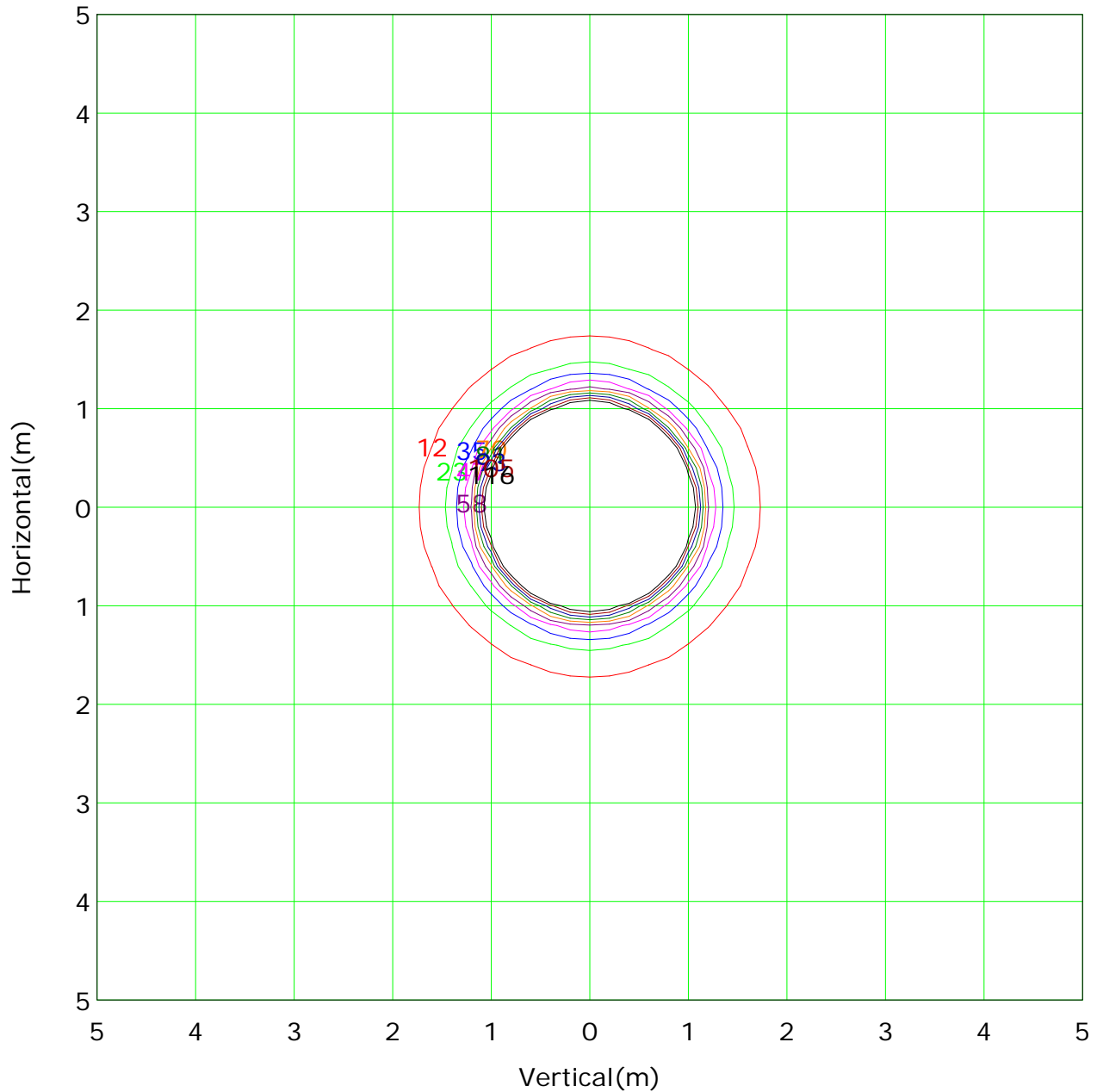
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



|                     |        |                        |        |
|---------------------|--------|------------------------|--------|
| Mounting Height: 3m |        | Max Lux(100%): 1163 lx |        |
| — ( 1%):            | 12 lx  | — ( 2%):               | 23 lx  |
| — ( 3%):            | 35 lx  | — ( 4%):               | 47 lx  |
| — ( 5%):            | 58 lx  | — ( 6%):               | 70 lx  |
| — ( 7%):            | 81 lx  | — ( 8%):               | 93 lx  |
| — ( 9%):            | 105 lx | — (10%):               | 116 lx |

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

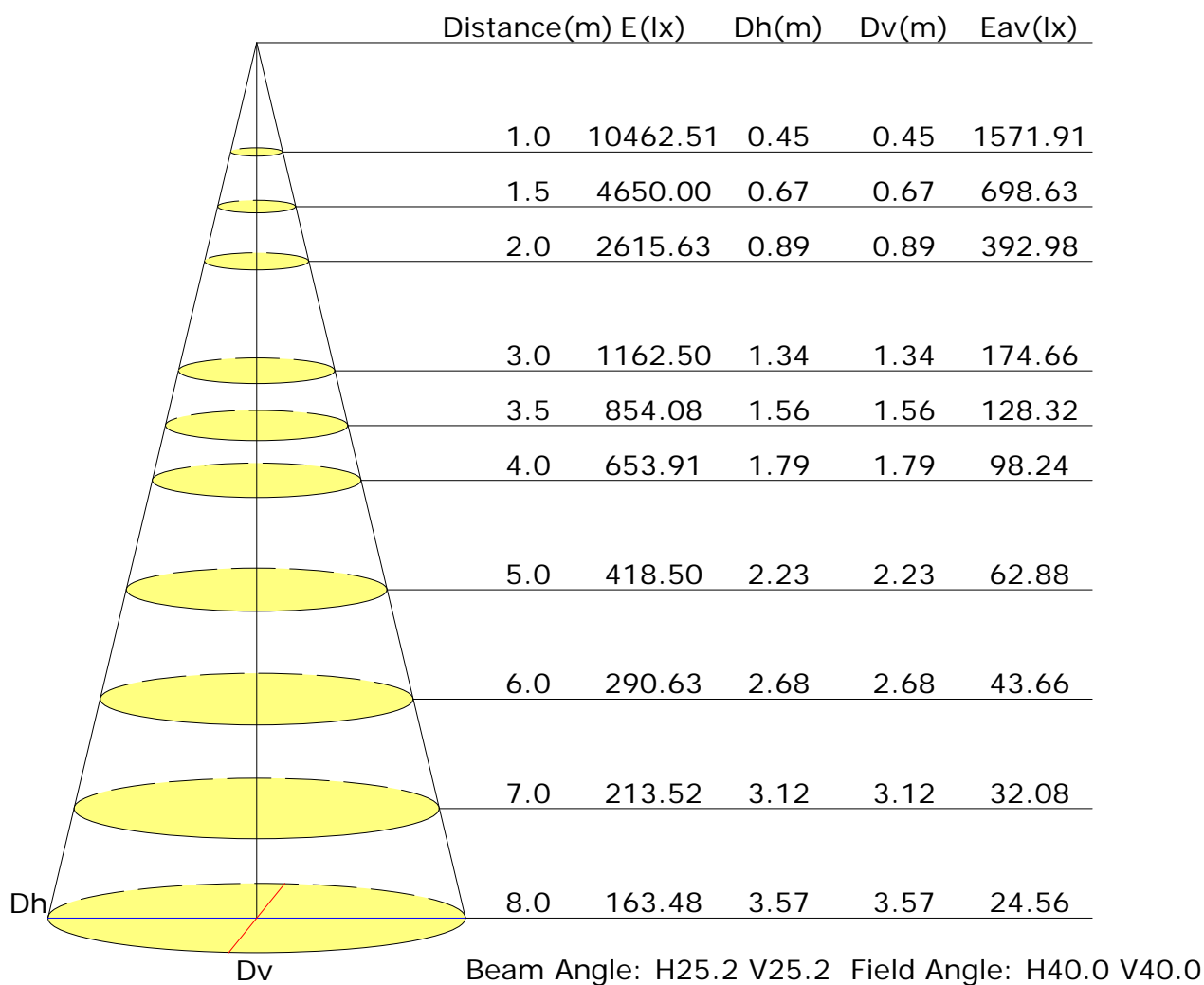
Test Device: CHL-6E

Distance: 3.000 m

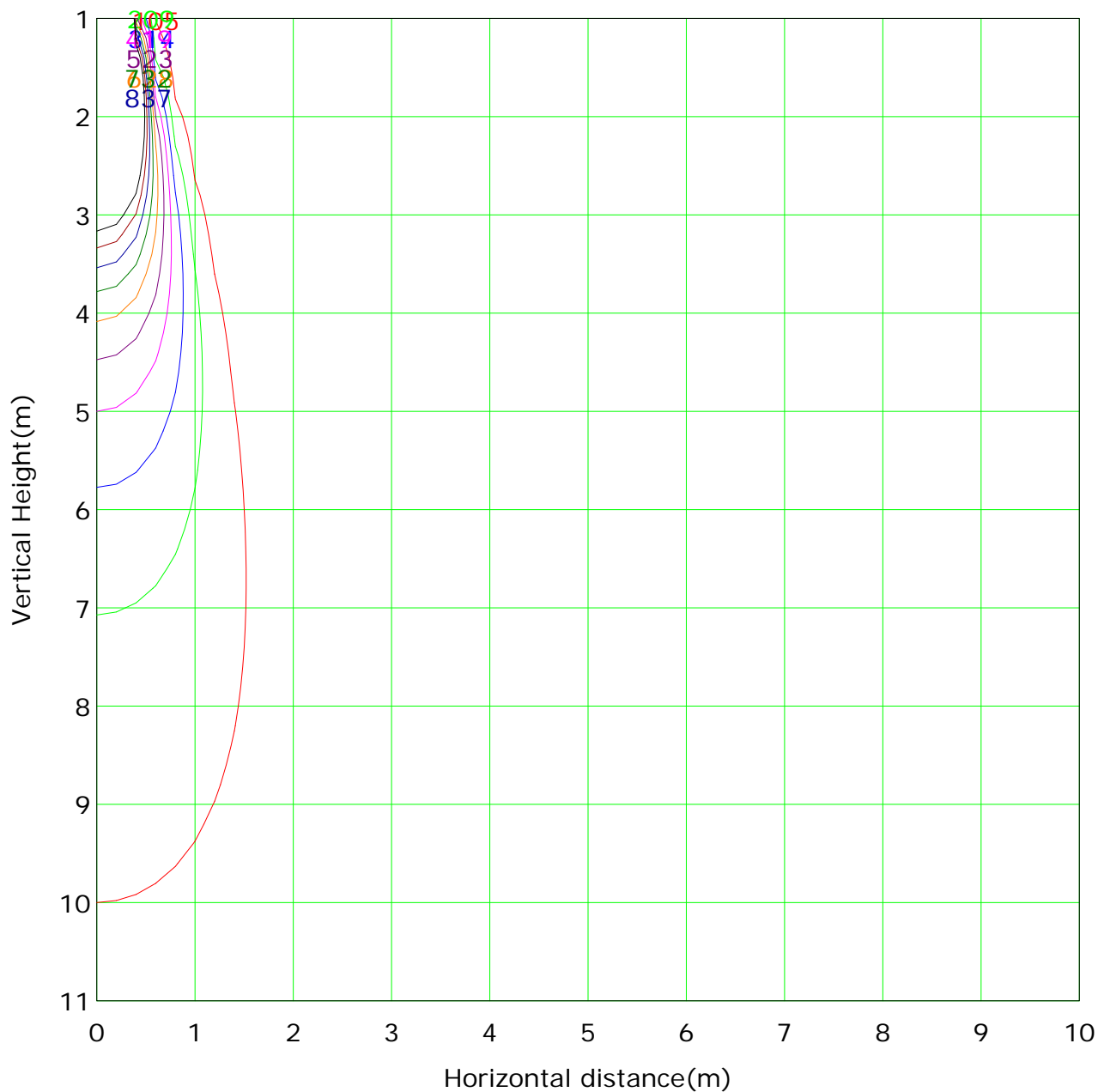
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



|                                                   |                |
|---------------------------------------------------|----------------|
| Lowest(m): 1m    Highest(m): 11    Max Lux: 10463 |                |
| ( 1%): 105 lx                                     | ( 2%): 209 lx  |
| ( 3%): 314 lx                                     | ( 4%): 419 lx  |
| ( 5%): 523 lx                                     | ( 6%): 628 lx  |
| ( 7%): 732 lx                                     | ( 8%): 837 lx  |
| ( 9%): 942 lx                                     | (10%): 1046 lx |

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

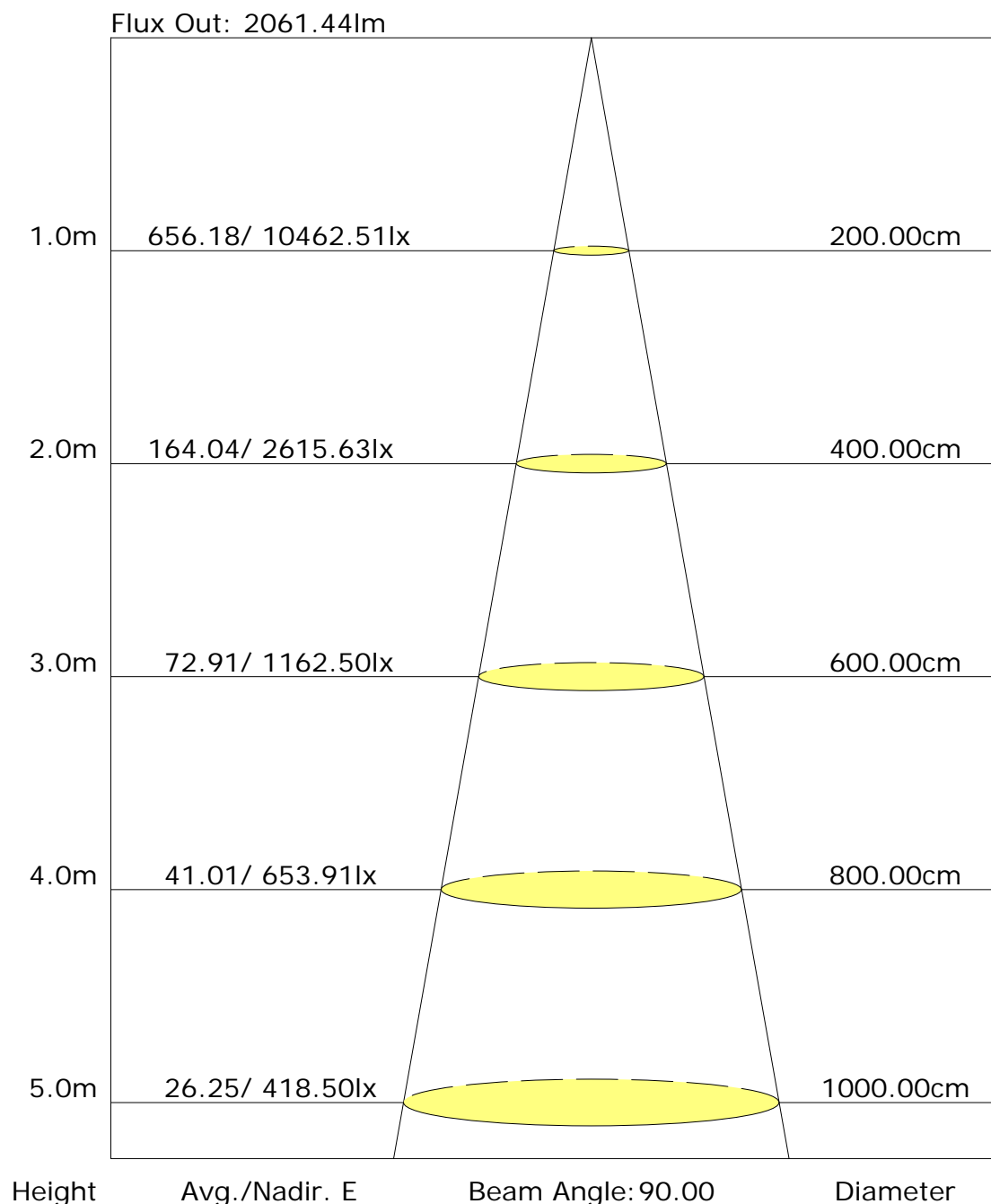
Test Device: CHL-6E

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: 1.0

Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Candlepower Table

Unit: cd

| GVC   | C0.0    | C180.0  |  |  |  |  |  |  |  |  |
|-------|---------|---------|--|--|--|--|--|--|--|--|
| G0.0  | 10462.5 | 10462.5 |  |  |  |  |  |  |  |  |
| G1.0  | 10436.3 | 10426.4 |  |  |  |  |  |  |  |  |
| G2.0  | 10352.3 | 10330.6 |  |  |  |  |  |  |  |  |
| G3.0  | 10201.3 | 10177.9 |  |  |  |  |  |  |  |  |
| G4.0  | 9988.1  | 9966.4  |  |  |  |  |  |  |  |  |
| G5.0  | 9699.8  | 9697.1  |  |  |  |  |  |  |  |  |
| G6.0  | 9340.2  | 9361.9  |  |  |  |  |  |  |  |  |
| G7.0  | 8888.3  | 8960.6  |  |  |  |  |  |  |  |  |
| G8.0  | 8366.9  | 8470.8  |  |  |  |  |  |  |  |  |
| G9.0  | 7762.4  | 7907.9  |  |  |  |  |  |  |  |  |
| G10.0 | 7079.2  | 7269.0  |  |  |  |  |  |  |  |  |
| G11.0 | 6331.0  | 6561.4  |  |  |  |  |  |  |  |  |
| G12.0 | 5551.1  | 5813.2  |  |  |  |  |  |  |  |  |
| G13.0 | 4763.2  | 5044.2  |  |  |  |  |  |  |  |  |
| G14.0 | 4005.0  | 4282.4  |  |  |  |  |  |  |  |  |
| G15.0 | 3304.7  | 3559.5  |  |  |  |  |  |  |  |  |
| G16.0 | 2669.4  | 2903.4  |  |  |  |  |  |  |  |  |
| G17.0 | 2114.6  | 2317.9  |  |  |  |  |  |  |  |  |
| G18.0 | 1660.0  | 1829.9  |  |  |  |  |  |  |  |  |
| G19.0 | 1291.3  | 1423.3  |  |  |  |  |  |  |  |  |
| G20.0 | 997.6   | 1098.8  |  |  |  |  |  |  |  |  |
| G21.0 | 769.9   | 844.0   |  |  |  |  |  |  |  |  |
| G22.0 | 602.7   | 656.0   |  |  |  |  |  |  |  |  |
| G23.0 | 478.0   | 516.0   |  |  |  |  |  |  |  |  |
| G24.0 | 386.8   | 413.9   |  |  |  |  |  |  |  |  |
| G25.0 | 319.0   | 338.9   |  |  |  |  |  |  |  |  |
| G26.0 | 267.5   | 281.9   |  |  |  |  |  |  |  |  |
| G27.0 | 228.6   | 238.6   |  |  |  |  |  |  |  |  |
| G28.0 | 197.0   | 203.3   |  |  |  |  |  |  |  |  |
| G29.0 | 171.7   | 177.1   |  |  |  |  |  |  |  |  |
| G30.0 | 151.8   | 157.2   |  |  |  |  |  |  |  |  |
| G31.0 | 136.4   | 141.0   |  |  |  |  |  |  |  |  |
| G32.0 | 122.9   | 127.4   |  |  |  |  |  |  |  |  |
| G33.0 | 113.0   | 117.5   |  |  |  |  |  |  |  |  |
| G34.0 | 104.8   | 106.6   |  |  |  |  |  |  |  |  |
| G35.0 | 97.6    | 99.4    |  |  |  |  |  |  |  |  |
| G36.0 | 90.4    | 92.2    |  |  |  |  |  |  |  |  |

C Plane (°): 0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:



## Candlepower Table (Continue 1)

Unit: cd

| GVC   | C0.0 | C180.0 |  |  |  |  |  |  |  |  |
|-------|------|--------|--|--|--|--|--|--|--|--|
| G37.0 | 85.8 | 85.8   |  |  |  |  |  |  |  |  |
| G38.0 | 79.5 | 79.5   |  |  |  |  |  |  |  |  |
| G39.0 | 77.7 | 75.0   |  |  |  |  |  |  |  |  |
| G40.0 | 72.3 | 72.3   |  |  |  |  |  |  |  |  |
| G41.0 | 69.6 | 69.6   |  |  |  |  |  |  |  |  |
| G42.0 | 66.0 | 66.9   |  |  |  |  |  |  |  |  |
| G43.0 | 65.1 | 64.2   |  |  |  |  |  |  |  |  |
| G44.0 | 62.3 | 62.3   |  |  |  |  |  |  |  |  |
| G45.0 | 60.5 | 60.5   |  |  |  |  |  |  |  |  |
| G46.0 | 58.7 | 58.7   |  |  |  |  |  |  |  |  |
| G47.0 | 57.8 | 57.8   |  |  |  |  |  |  |  |  |
| G48.0 | 57.8 | 56.9   |  |  |  |  |  |  |  |  |
| G49.0 | 56.9 | 55.1   |  |  |  |  |  |  |  |  |
| G50.0 | 55.1 | 54.2   |  |  |  |  |  |  |  |  |
| G51.0 | 53.3 | 53.3   |  |  |  |  |  |  |  |  |
| G52.0 | 53.3 | 51.5   |  |  |  |  |  |  |  |  |
| G53.0 | 51.5 | 50.6   |  |  |  |  |  |  |  |  |
| G54.0 | 50.6 | 48.8   |  |  |  |  |  |  |  |  |
| G55.0 | 48.8 | 47.9   |  |  |  |  |  |  |  |  |
| G56.0 | 47.0 | 45.2   |  |  |  |  |  |  |  |  |
| G57.0 | 46.1 | 44.3   |  |  |  |  |  |  |  |  |
| G58.0 | 43.4 | 43.4   |  |  |  |  |  |  |  |  |
| G59.0 | 41.6 | 41.6   |  |  |  |  |  |  |  |  |
| G60.0 | 40.7 | 40.7   |  |  |  |  |  |  |  |  |
| G61.0 | 38.0 | 38.0   |  |  |  |  |  |  |  |  |
| G62.0 | 36.2 | 35.2   |  |  |  |  |  |  |  |  |
| G63.0 | 34.3 | 34.3   |  |  |  |  |  |  |  |  |
| G64.0 | 32.5 | 30.7   |  |  |  |  |  |  |  |  |
| G65.0 | 31.6 | 30.7   |  |  |  |  |  |  |  |  |
| G66.0 | 29.8 | 29.8   |  |  |  |  |  |  |  |  |
| G67.0 | 27.1 | 26.2   |  |  |  |  |  |  |  |  |
| G68.0 | 25.3 | 25.3   |  |  |  |  |  |  |  |  |
| G69.0 | 23.5 | 23.5   |  |  |  |  |  |  |  |  |
| G70.0 | 21.7 | 21.7   |  |  |  |  |  |  |  |  |
| G71.0 | 21.7 | 21.7   |  |  |  |  |  |  |  |  |
| G72.0 | 19.9 | 19.0   |  |  |  |  |  |  |  |  |
| G73.0 | 17.2 | 17.2   |  |  |  |  |  |  |  |  |

C Plane (°): 0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

