

Report No.: 62.06217 -EMMA Track Light Test Time: 2022-04-27 09:33

## Luminaire Property

Luminaire Category: Citizen 1203 3000K CRI90

Voltage: 217.0 V

Current: 0.066 A

Power: 13.90 W

Power Factor: 0.963

## Photometric Results

CIE Class: Direct

Measurement Flux: 1278.8 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 1278.8 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H45.1,H35.3,H25.3,H1

Vertical Diffuse Angle(25%,50%,75%,100%): V45.1,V35.3,V25.3,V1

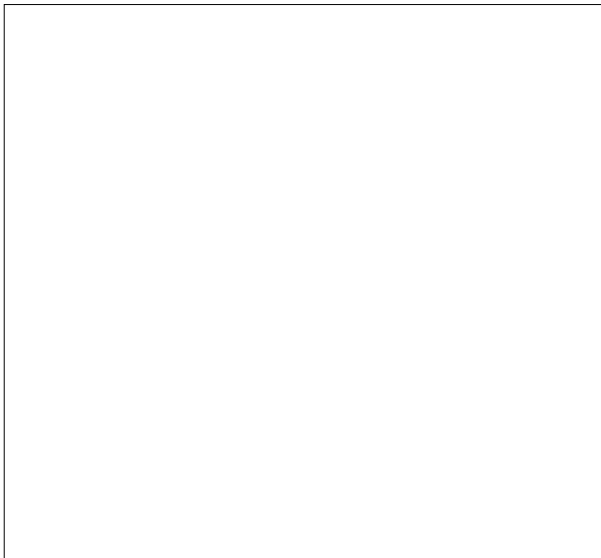
Luminaire Efficacy Rating (LER): 92

Central Intensity: 3273.04 cd

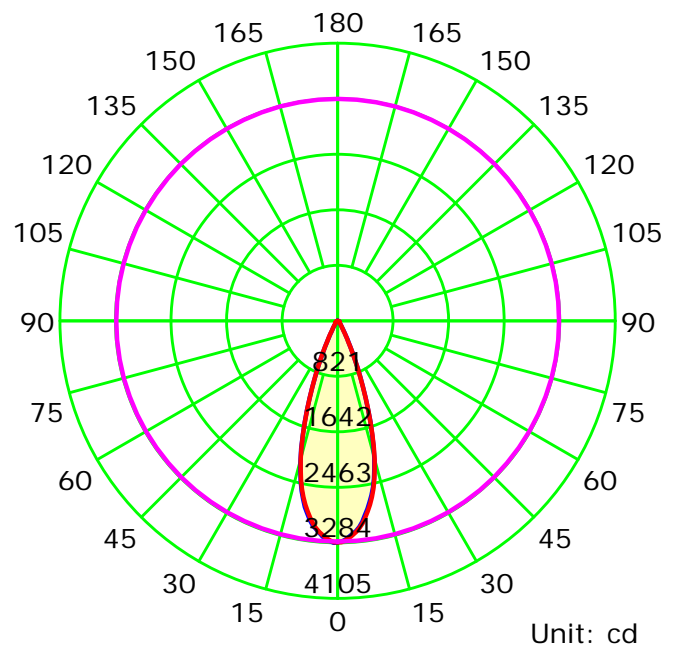
Max. Intensity: 3283.88 cd

Pos of Max. Intensity: H180 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 35.3°

— C0-C180 — C90-C270 — G1

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

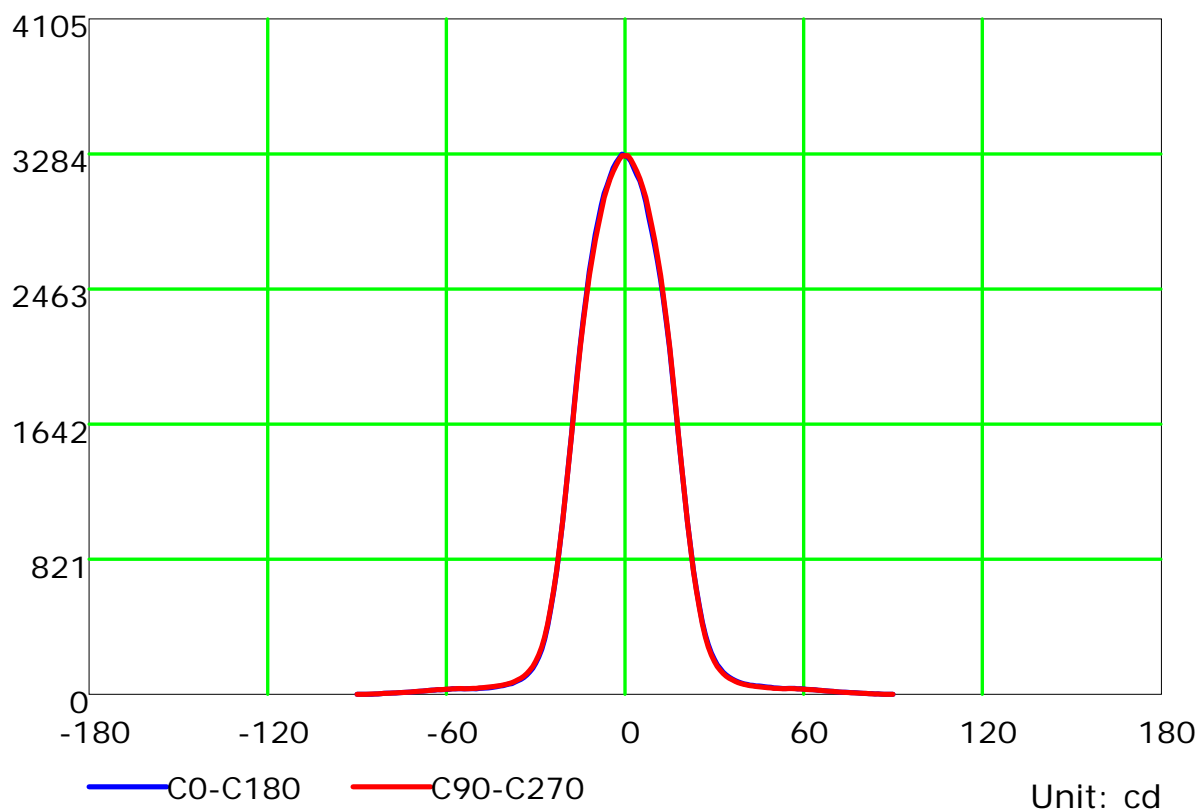
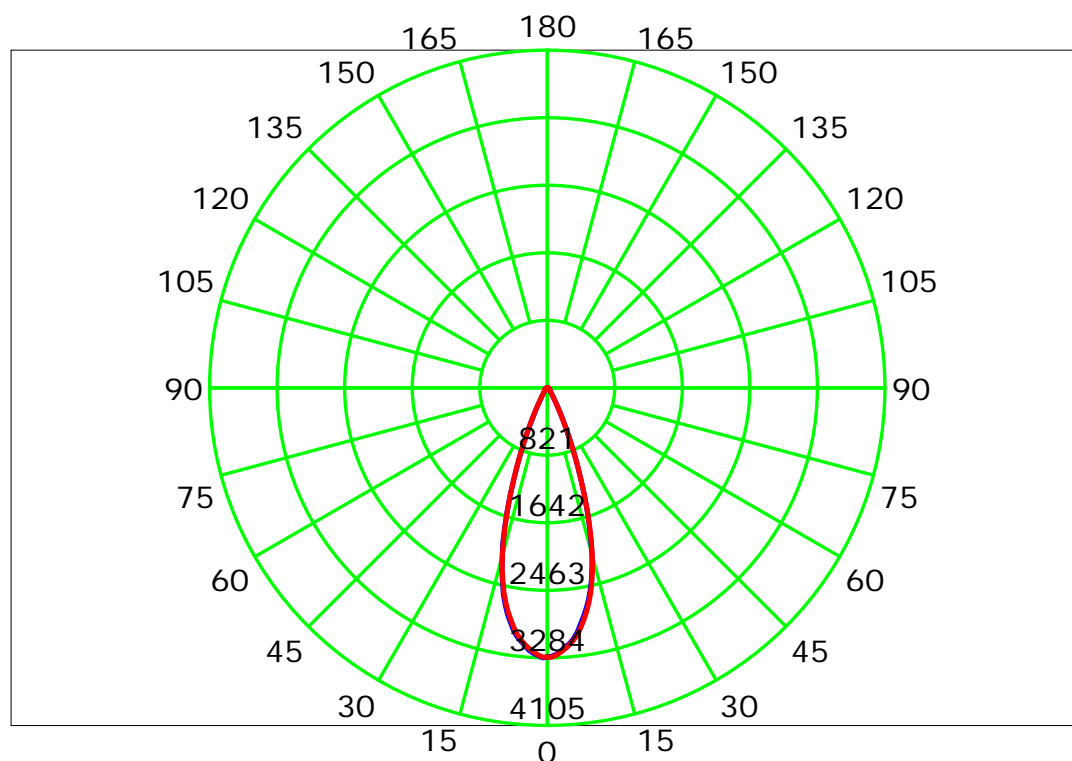
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



C Plane (°): 0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

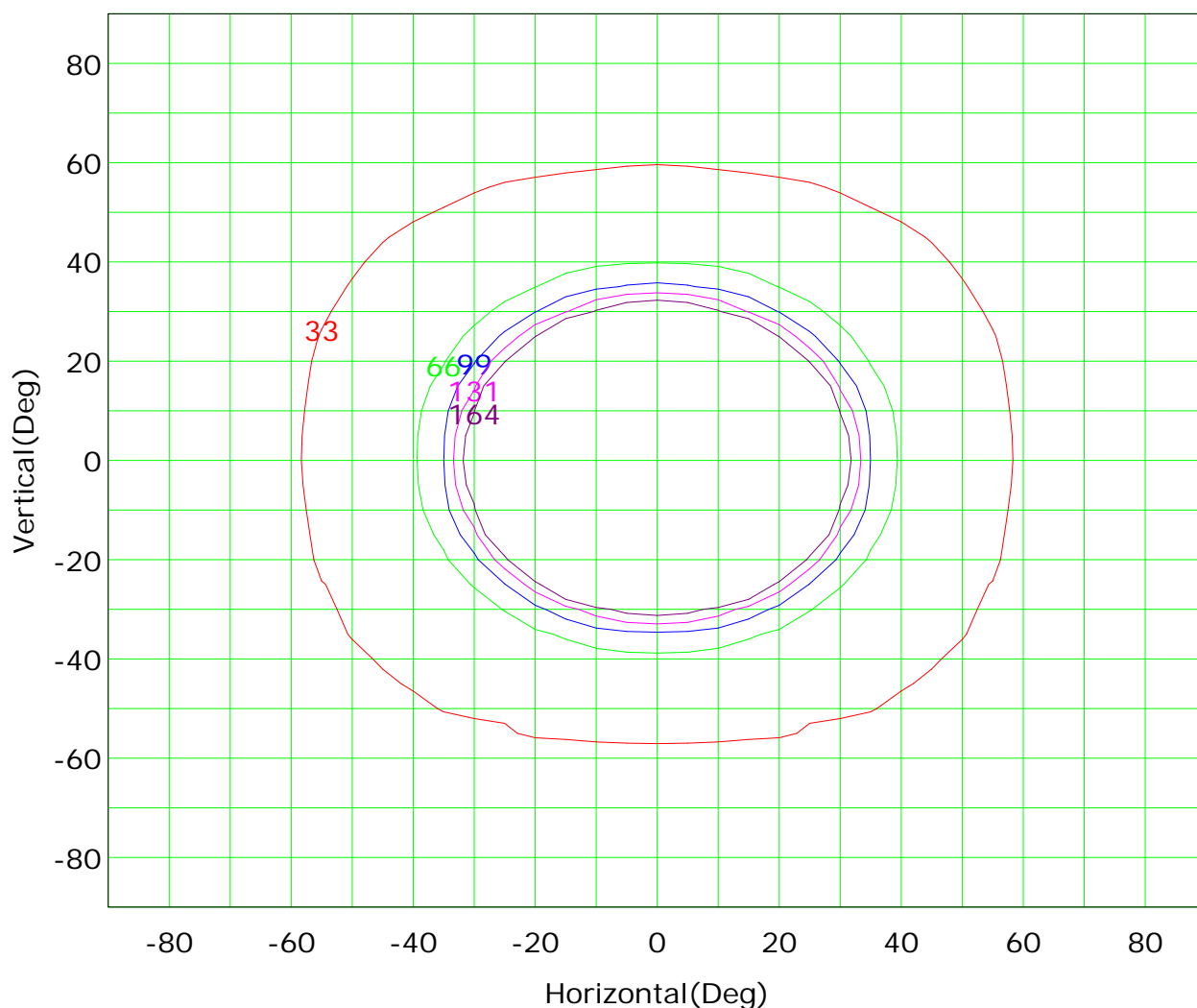
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



I<sub>max</sub> (100%): 3284 cd

( 1%): 33 cd  
( 3%): 99 cd  
( 5%): 164 cd

( 2%): 66 cd  
( 4%): 131 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

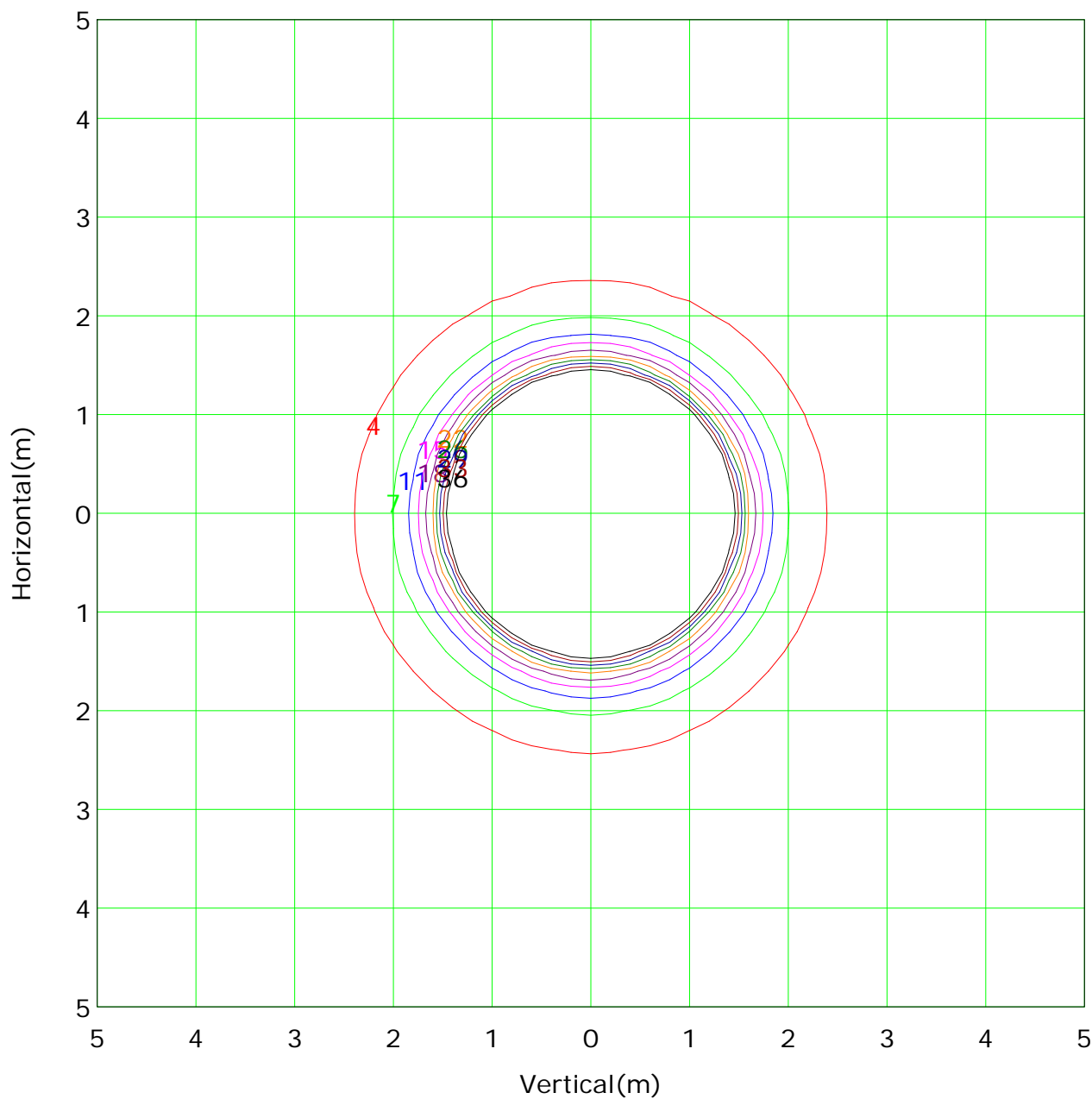
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 3m Max Lux(100%): 365 lx

|              |              |
|--------------|--------------|
| ( 1%): 4 lx  | ( 2%): 7 lx  |
| ( 3%): 11 lx | ( 4%): 15 lx |
| ( 5%): 18 lx | ( 6%): 22 lx |
| ( 7%): 26 lx | ( 8%): 29 lx |
| ( 9%): 33 lx | (10%): 36 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

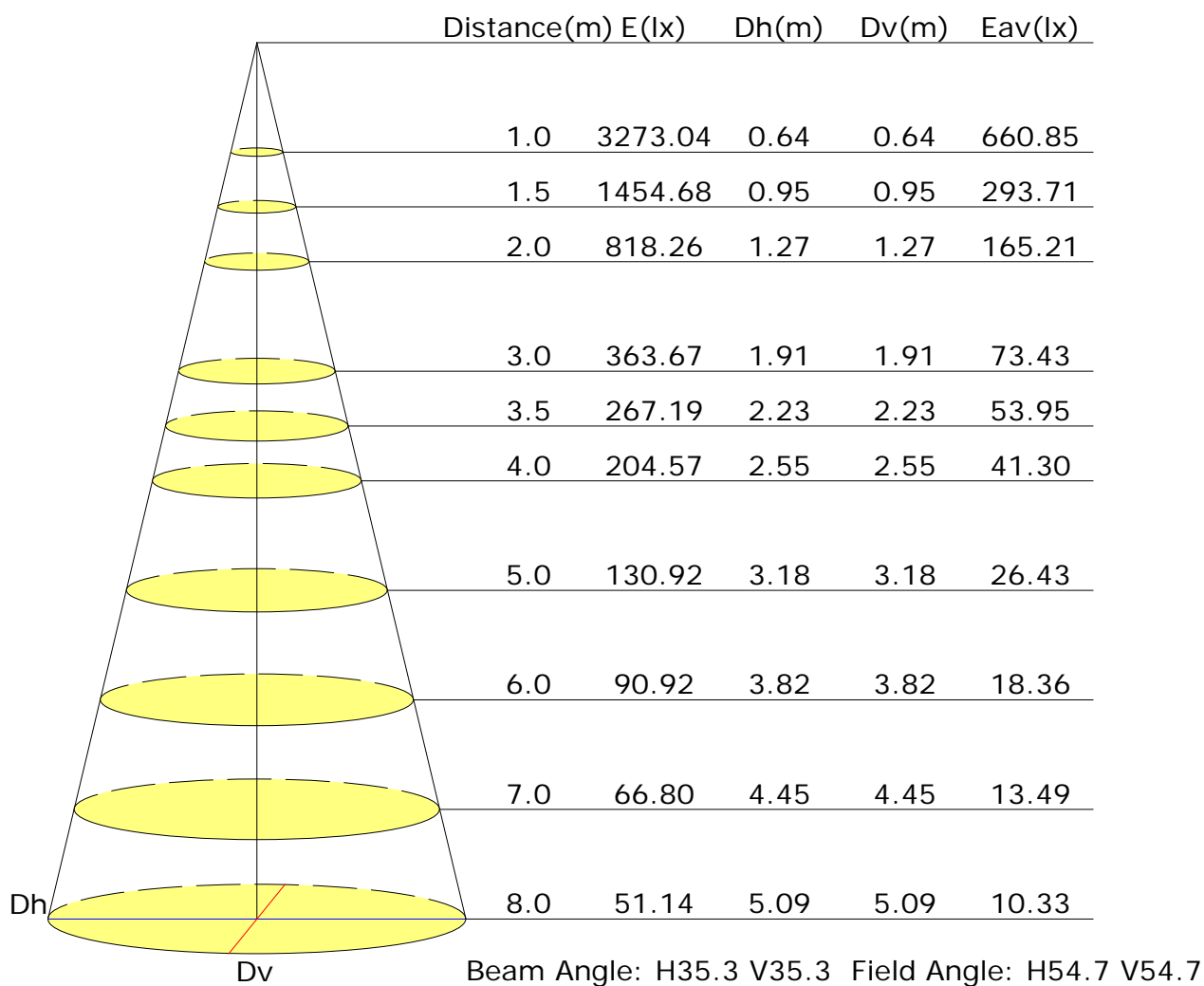
Test Device: CHL-6E

Distance: 3.000 m

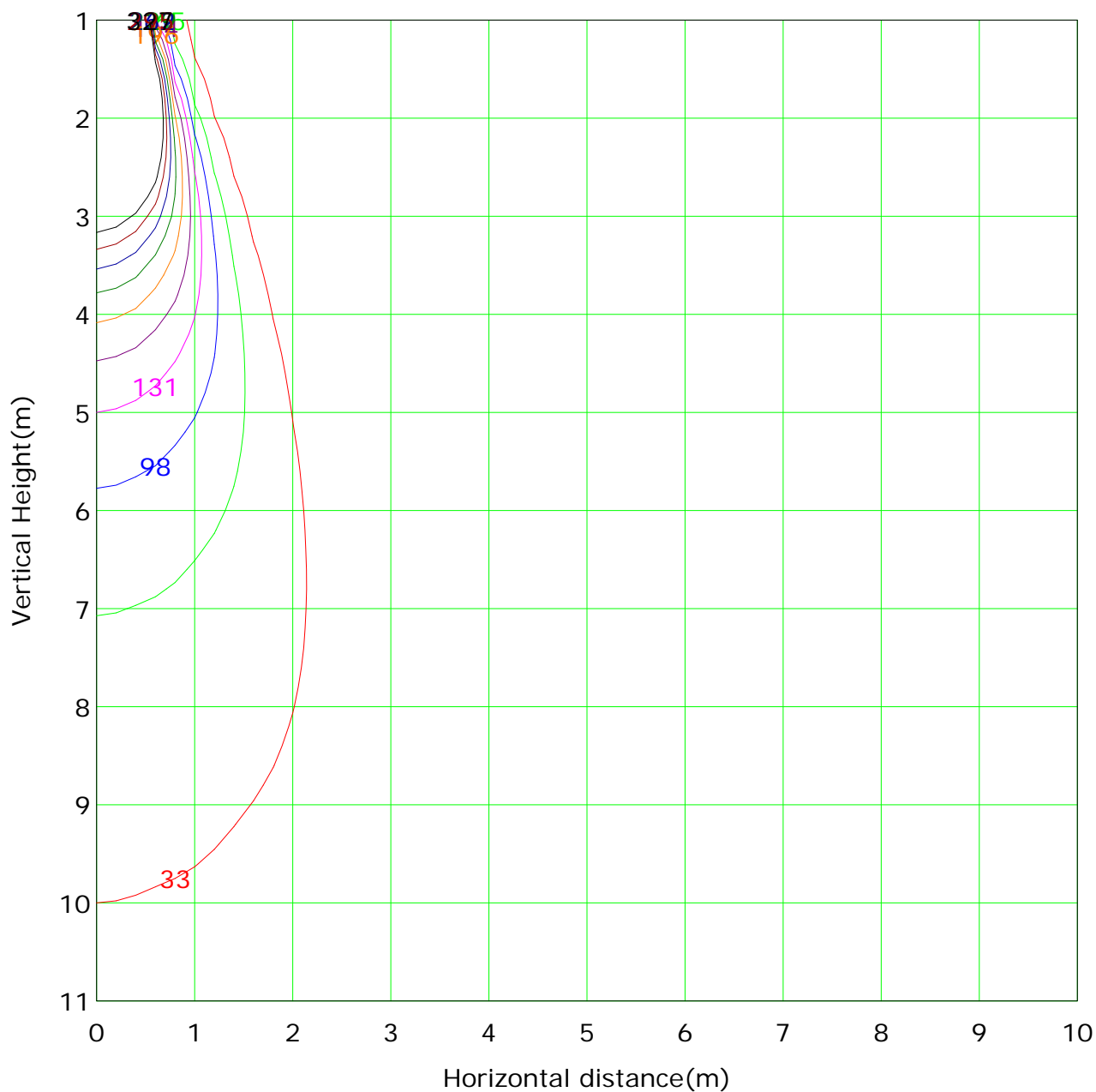
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



|  |               |
|--|---------------|
| Lowest(m): 1m    Highest(m): 11    Max Lux: 3273 |               |
| ( 1%): 33 lx                                     | ( 2%): 65 lx  |
| ( 3%): 98 lx                                     | ( 4%): 131 lx |
| ( 5%): 164 lx                                    | ( 6%): 196 lx |
| ( 7%): 229 lx                                    | ( 8%): 262 lx |
| ( 9%): 295 lx                                    | (10%): 327 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

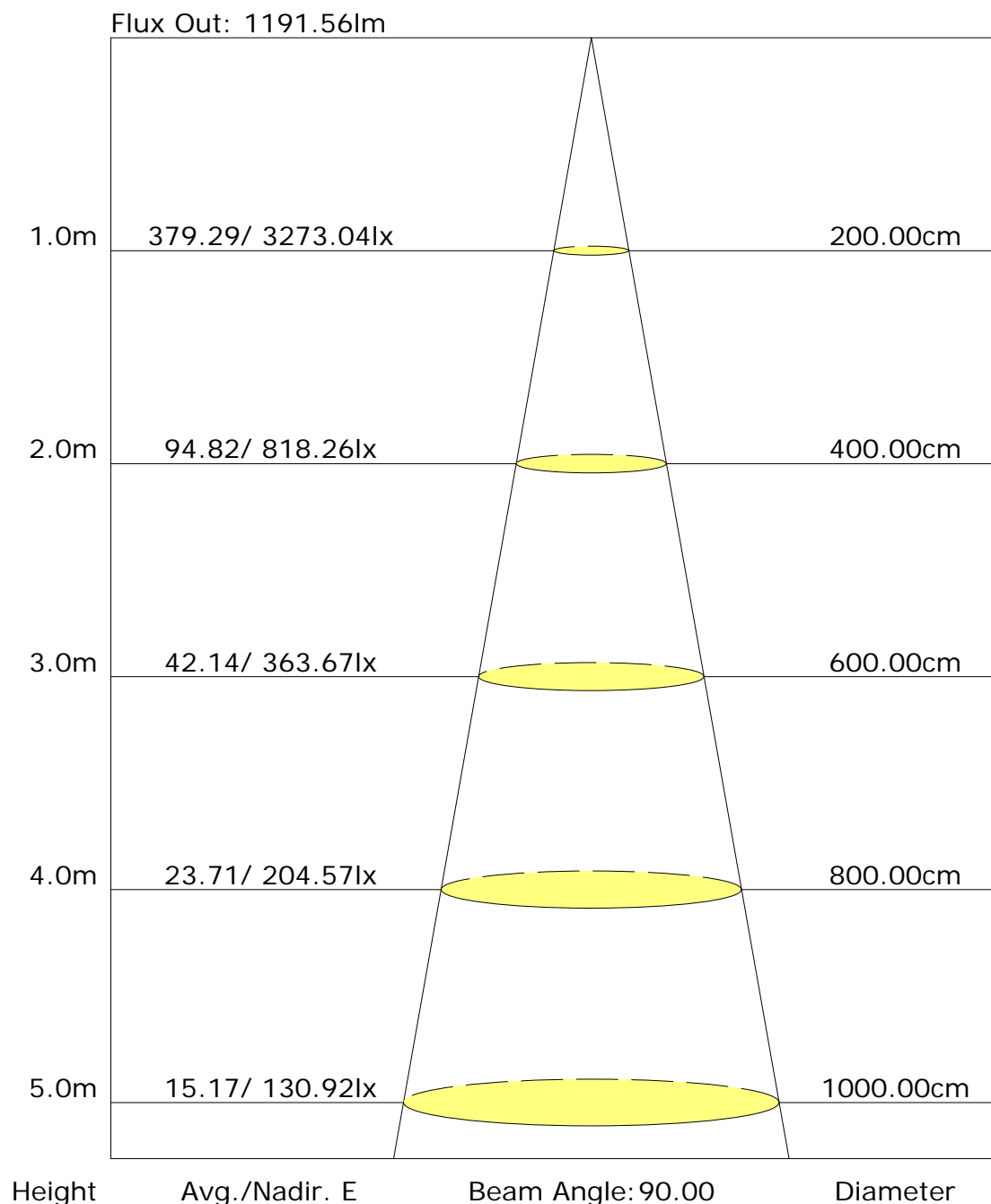
Test Device: CHL-6E

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

| G\C   | C0.0   | C180.0 |  |  |  |  |  |  |  |  |
|-------|--------|--------|--|--|--|--|--|--|--|--|
| G0.0  | 3273.0 | 3273.0 |  |  |  |  |  |  |  |  |
| G1.0  | 3264.9 | 3283.9 |  |  |  |  |  |  |  |  |
| G2.0  | 3239.6 | 3258.6 |  |  |  |  |  |  |  |  |
| G3.0  | 3198.9 | 3233.3 |  |  |  |  |  |  |  |  |
| G4.0  | 3157.4 | 3198.9 |  |  |  |  |  |  |  |  |
| G5.0  | 3121.2 | 3146.5 |  |  |  |  |  |  |  |  |
| G6.0  | 3065.2 | 3095.0 |  |  |  |  |  |  |  |  |
| G7.0  | 2993.8 | 3045.3 |  |  |  |  |  |  |  |  |
| G8.0  | 2902.5 | 2973.0 |  |  |  |  |  |  |  |  |
| G9.0  | 2815.8 | 2882.7 |  |  |  |  |  |  |  |  |
| G10.0 | 2722.7 | 2794.1 |  |  |  |  |  |  |  |  |
| G11.0 | 2627.8 | 2682.9 |  |  |  |  |  |  |  |  |
| G12.0 | 2515.8 | 2571.8 |  |  |  |  |  |  |  |  |
| G13.0 | 2391.1 | 2429.9 |  |  |  |  |  |  |  |  |
| G14.0 | 2249.2 | 2287.1 |  |  |  |  |  |  |  |  |
| G15.0 | 2101.0 | 2127.2 |  |  |  |  |  |  |  |  |
| G16.0 | 1926.6 | 1962.7 |  |  |  |  |  |  |  |  |
| G17.0 | 1747.7 | 1771.2 |  |  |  |  |  |  |  |  |
| G18.0 | 1569.7 | 1580.5 |  |  |  |  |  |  |  |  |
| G19.0 | 1387.1 | 1399.8 |  |  |  |  |  |  |  |  |
| G20.0 | 1215.4 | 1214.5 |  |  |  |  |  |  |  |  |
| G21.0 | 1048.2 | 1047.3 |  |  |  |  |  |  |  |  |
| G22.0 | 900.0  | 890.1  |  |  |  |  |  |  |  |  |
| G23.0 | 758.2  | 747.3  |  |  |  |  |  |  |  |  |
| G24.0 | 639.8  | 622.6  |  |  |  |  |  |  |  |  |
| G25.0 | 533.2  | 513.3  |  |  |  |  |  |  |  |  |
| G26.0 | 440.1  | 416.6  |  |  |  |  |  |  |  |  |
| G27.0 | 362.4  | 335.3  |  |  |  |  |  |  |  |  |
| G28.0 | 302.7  | 273.8  |  |  |  |  |  |  |  |  |
| G29.0 | 252.1  | 226.8  |  |  |  |  |  |  |  |  |
| G30.0 | 213.3  | 188.9  |  |  |  |  |  |  |  |  |
| G31.0 | 180.7  | 159.0  |  |  |  |  |  |  |  |  |
| G32.0 | 157.2  | 136.4  |  |  |  |  |  |  |  |  |
| G33.0 | 134.6  | 118.4  |  |  |  |  |  |  |  |  |
| G34.0 | 118.4  | 103.0  |  |  |  |  |  |  |  |  |
| G35.0 | 104.8  | 91.3   |  |  |  |  |  |  |  |  |
| G36.0 | 94.0   | 83.1   |  |  |  |  |  |  |  |  |

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 | 84.0 | 74.1   |  |  |  |  |  |  |  |  |
| G38.0 | 76.8 | 66.0   |  |  |  |  |  |  |  |  |
| G39.0 | 69.6 | 62.3   |  |  |  |  |  |  |  |  |
| G40.0 | 64.2 | 57.8   |  |  |  |  |  |  |  |  |
| G41.0 | 60.5 | 53.3   |  |  |  |  |  |  |  |  |
| G42.0 | 56.0 | 50.6   |  |  |  |  |  |  |  |  |
| G43.0 | 55.1 | 47.0   |  |  |  |  |  |  |  |  |
| G44.0 | 51.5 | 44.3   |  |  |  |  |  |  |  |  |
| G45.0 | 50.6 | 41.6   |  |  |  |  |  |  |  |  |
| G46.0 | 48.8 | 39.8   |  |  |  |  |  |  |  |  |
| G47.0 | 46.1 | 38.0   |  |  |  |  |  |  |  |  |
| G48.0 | 44.3 | 37.0   |  |  |  |  |  |  |  |  |
| G49.0 | 43.4 | 36.2   |  |  |  |  |  |  |  |  |
| G50.0 | 39.8 | 33.4   |  |  |  |  |  |  |  |  |
| G51.0 | 38.9 | 34.3   |  |  |  |  |  |  |  |  |
| G52.0 | 37.0 | 34.3   |  |  |  |  |  |  |  |  |
| G53.0 | 35.2 | 34.3   |  |  |  |  |  |  |  |  |
| G54.0 | 35.2 | 33.4   |  |  |  |  |  |  |  |  |
| G55.0 | 36.2 | 34.3   |  |  |  |  |  |  |  |  |
| G56.0 | 36.2 | 34.3   |  |  |  |  |  |  |  |  |
| G57.0 | 36.2 | 33.4   |  |  |  |  |  |  |  |  |
| G58.0 | 33.4 | 34.3   |  |  |  |  |  |  |  |  |
| G59.0 | 34.3 | 30.7   |  |  |  |  |  |  |  |  |
| G60.0 | 32.5 | 30.7   |  |  |  |  |  |  |  |  |
| G61.0 | 30.7 | 28.9   |  |  |  |  |  |  |  |  |
| G62.0 | 29.8 | 28.0   |  |  |  |  |  |  |  |  |
| G63.0 | 28.9 | 28.9   |  |  |  |  |  |  |  |  |
| G64.0 | 28.0 | 25.3   |  |  |  |  |  |  |  |  |
| G65.0 | 24.4 | 25.3   |  |  |  |  |  |  |  |  |
| G66.0 | 23.5 | 23.5   |  |  |  |  |  |  |  |  |
| G67.0 | 21.7 | 21.7   |  |  |  |  |  |  |  |  |
| G68.0 | 20.8 | 19.9   |  |  |  |  |  |  |  |  |
| G69.0 | 19.0 | 19.0   |  |  |  |  |  |  |  |  |
| G70.0 | 18.1 | 17.2   |  |  |  |  |  |  |  |  |
| G71.0 | 16.3 | 16.3   |  |  |  |  |  |  |  |  |
| G72.0 | 14.5 | 14.5   |  |  |  |  |  |  |  |  |
| G73.0 | 13.6 | 13.6   |  |  |  |  |  |  |  |  |

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:

