

Report No.:

Test Time: 2025-09-25 15:52

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 36D

Luminous Width (mm): -25

Current: 0.066 A

Power Factor: 0.539

Luminous Length (mm): -25

Voltage: 231.7 V

Power: 8.30 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 503.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H37.9

Vertical Diffuse Angle(50%): V37.9

Luminaire Efficacy Rating (LER): 60.69

Max. Intensity: 1314.16 cd

S/MH(C0/C180): 0.62

Total Rated Lamp Lumens: 503.3 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1313.45 cd

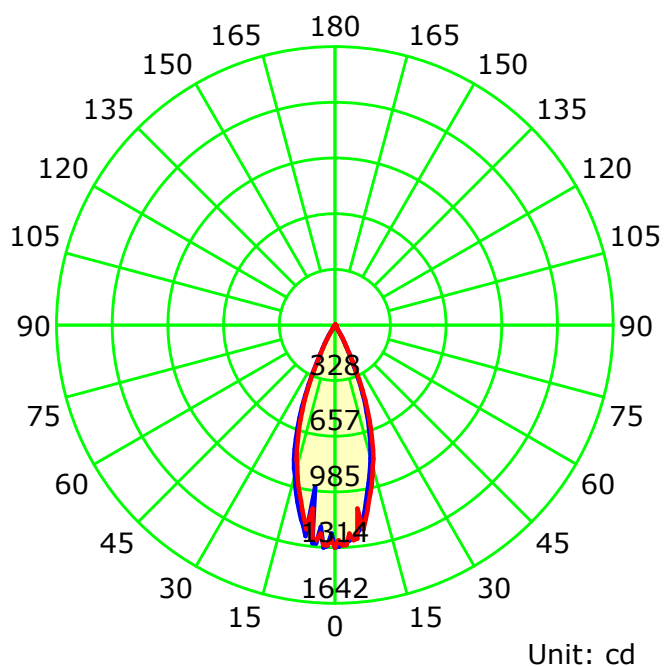
Pos of Max. Intensity: H180 V3

S/MH(C90/C270): 0.62

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

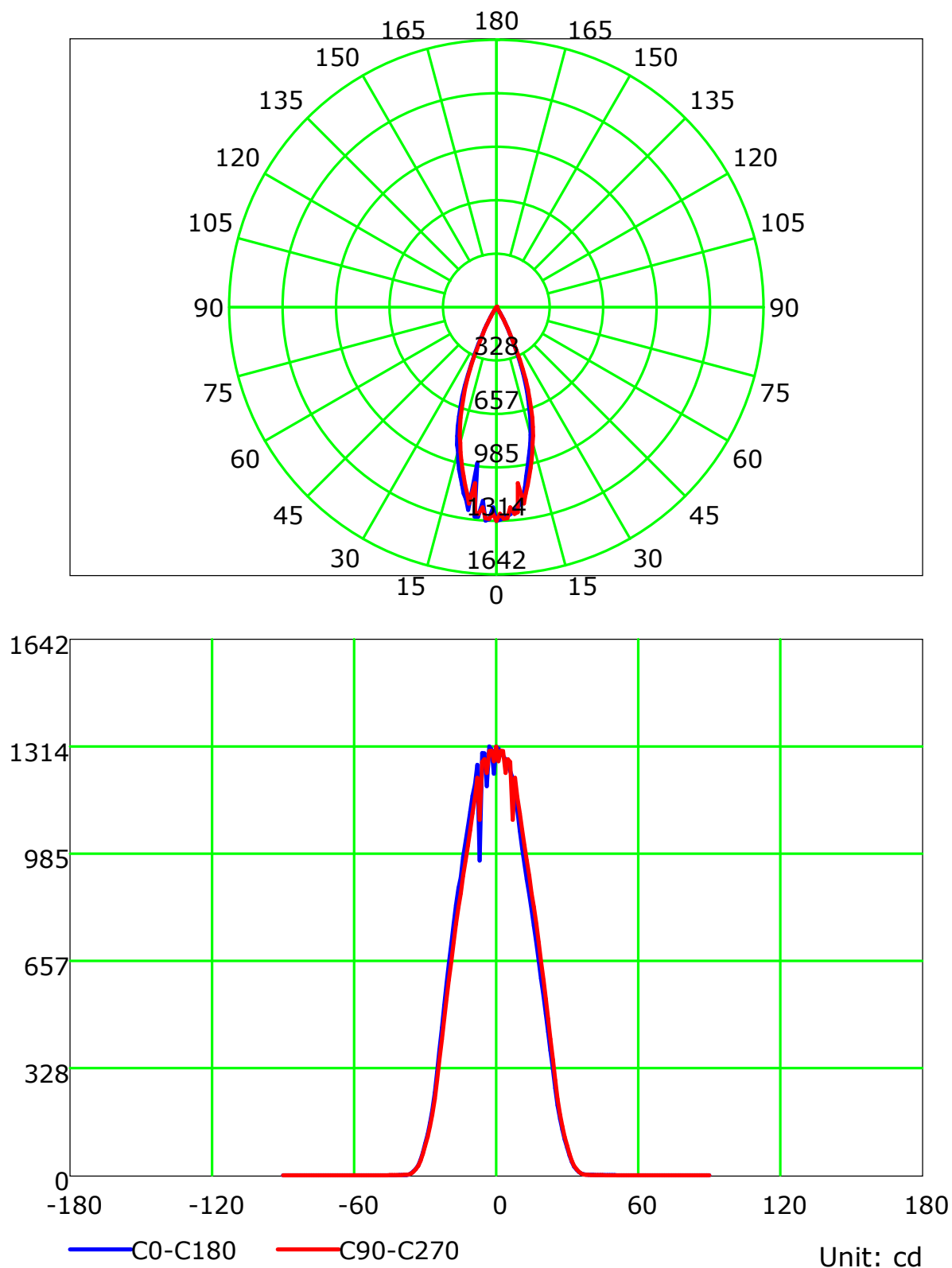
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

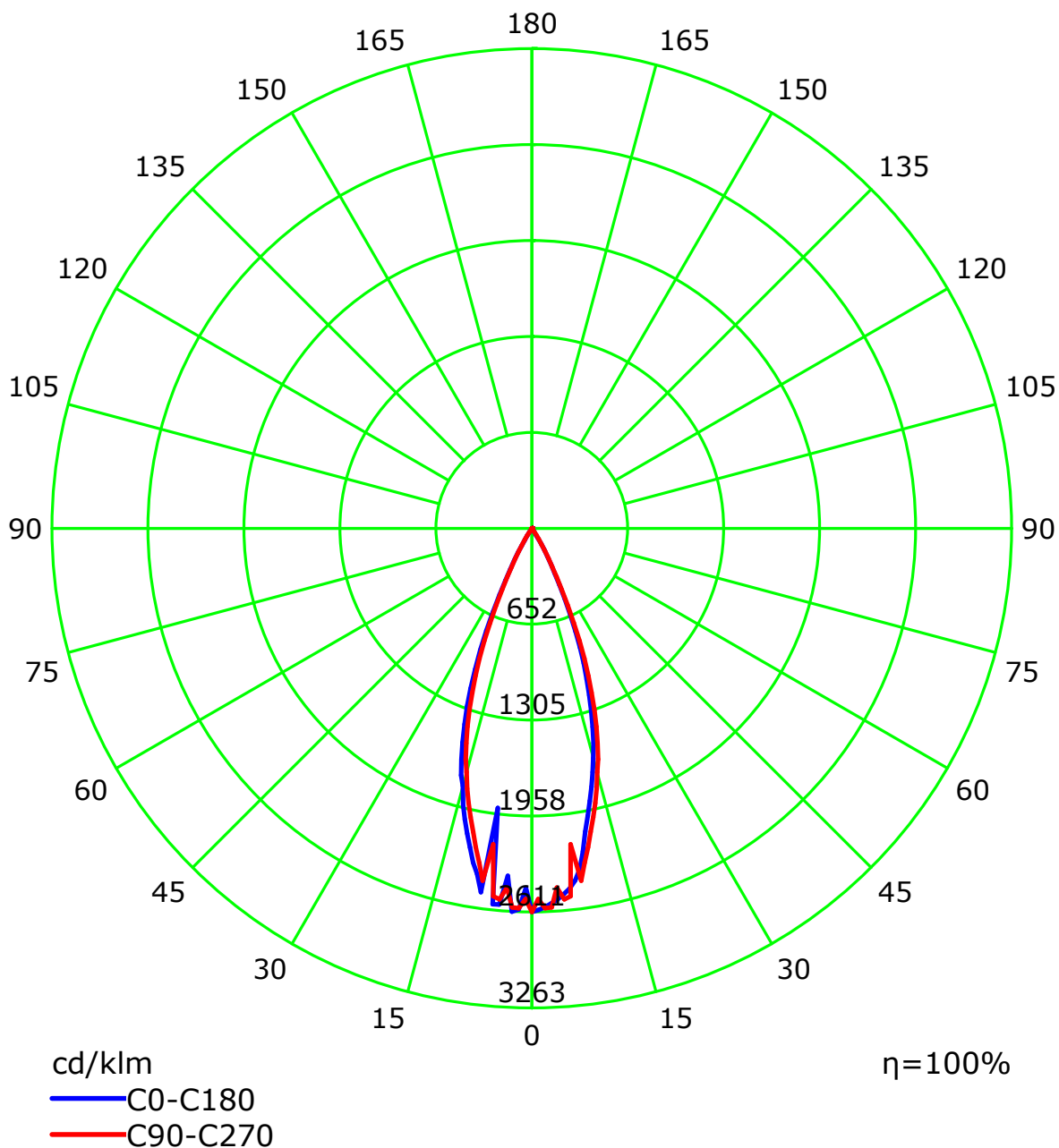
## Luminous Intensity Distribution Curve



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: 2.905 m  
Humidity:  
Inspector:

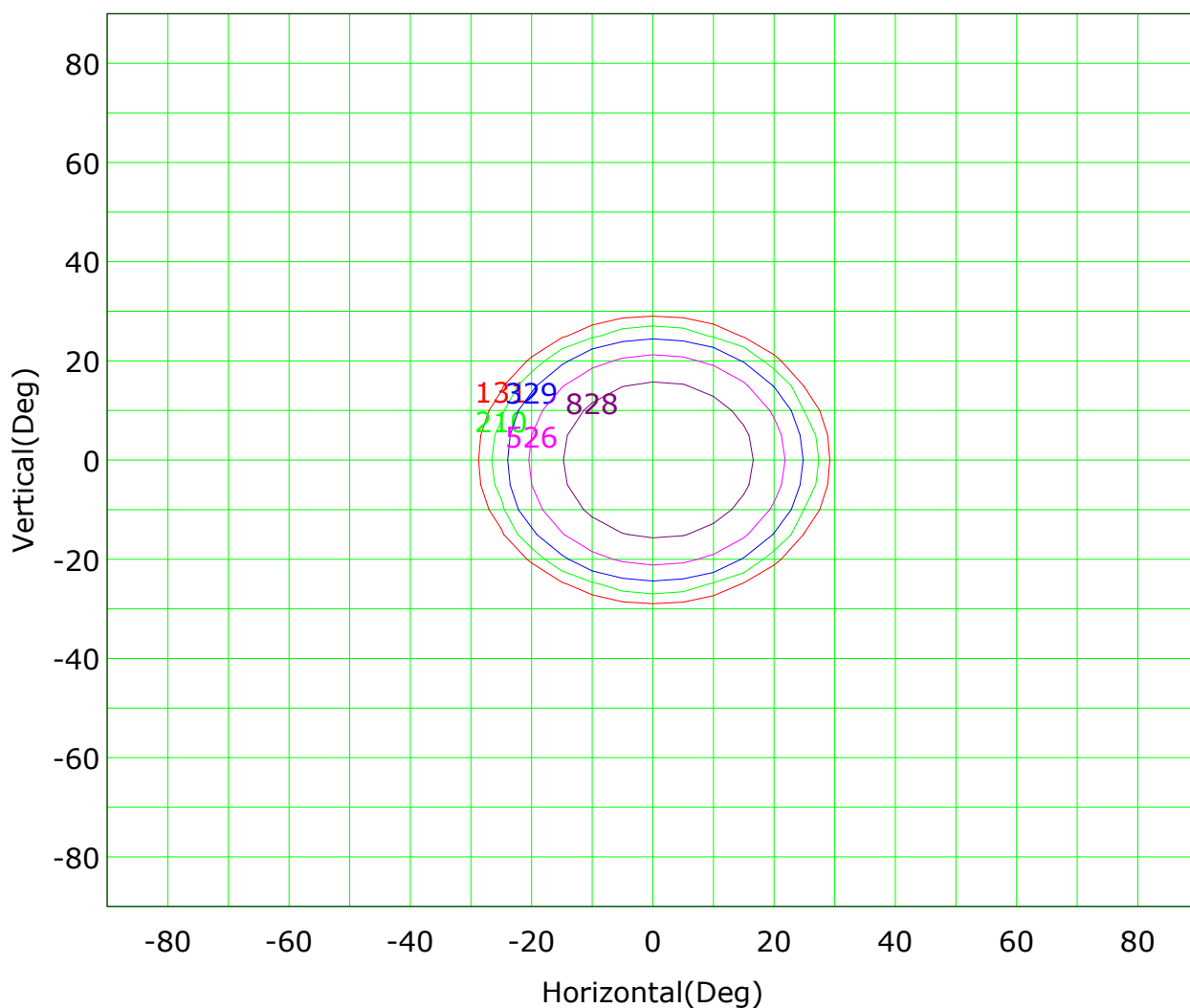
## Luminous Intensity Distribution Curve(cd/klm)



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: 2.905 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 1314 cd

|                |                 |
|----------------|-----------------|
| ( 10%): 131 cd | ( 16%): 210 cd  |
| ( 25%): 329 cd | ( 40%): 526 cd  |
| ( 63%): 828 cd | (100%): 1314 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

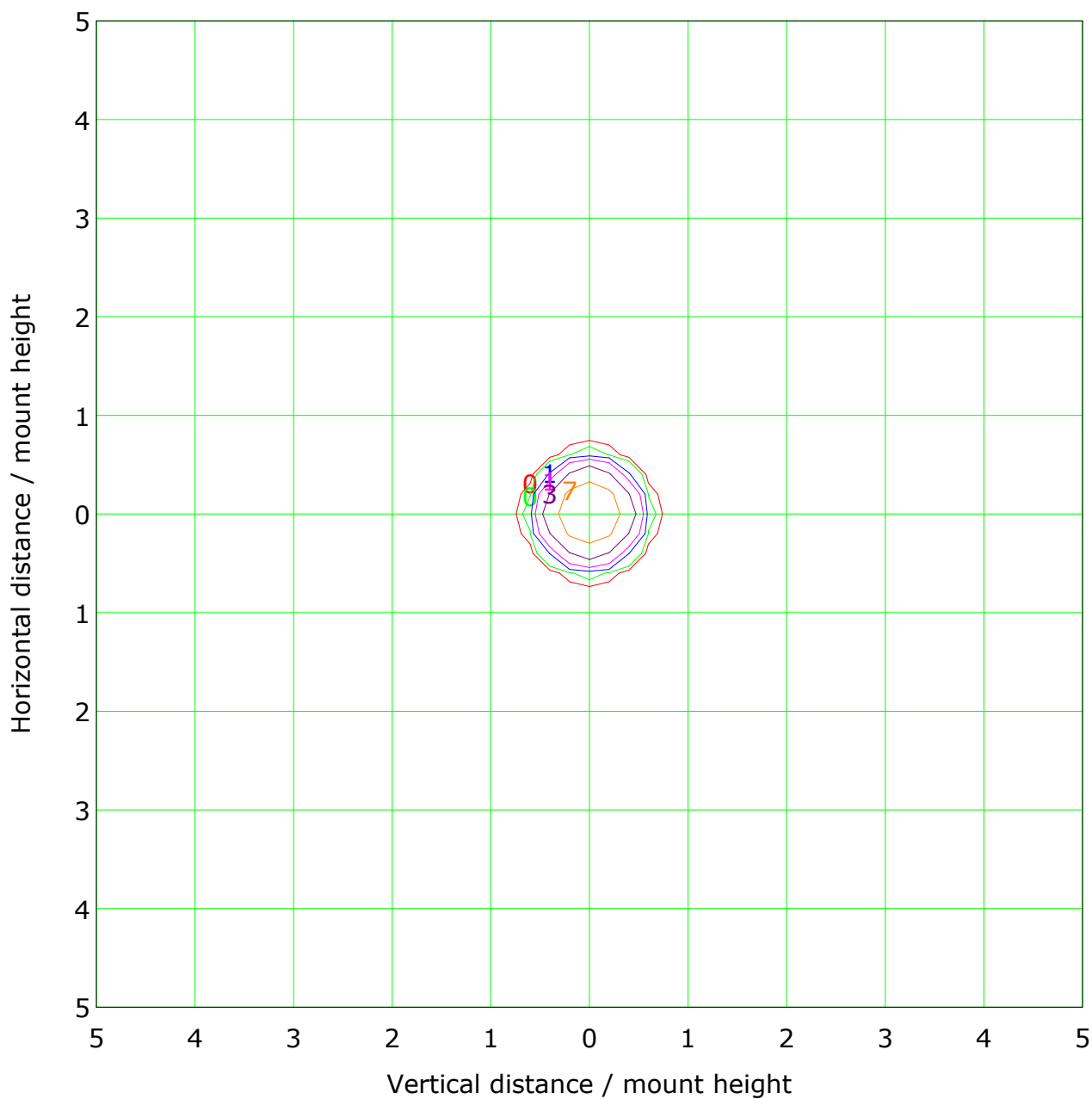
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

## IsoLux Plot



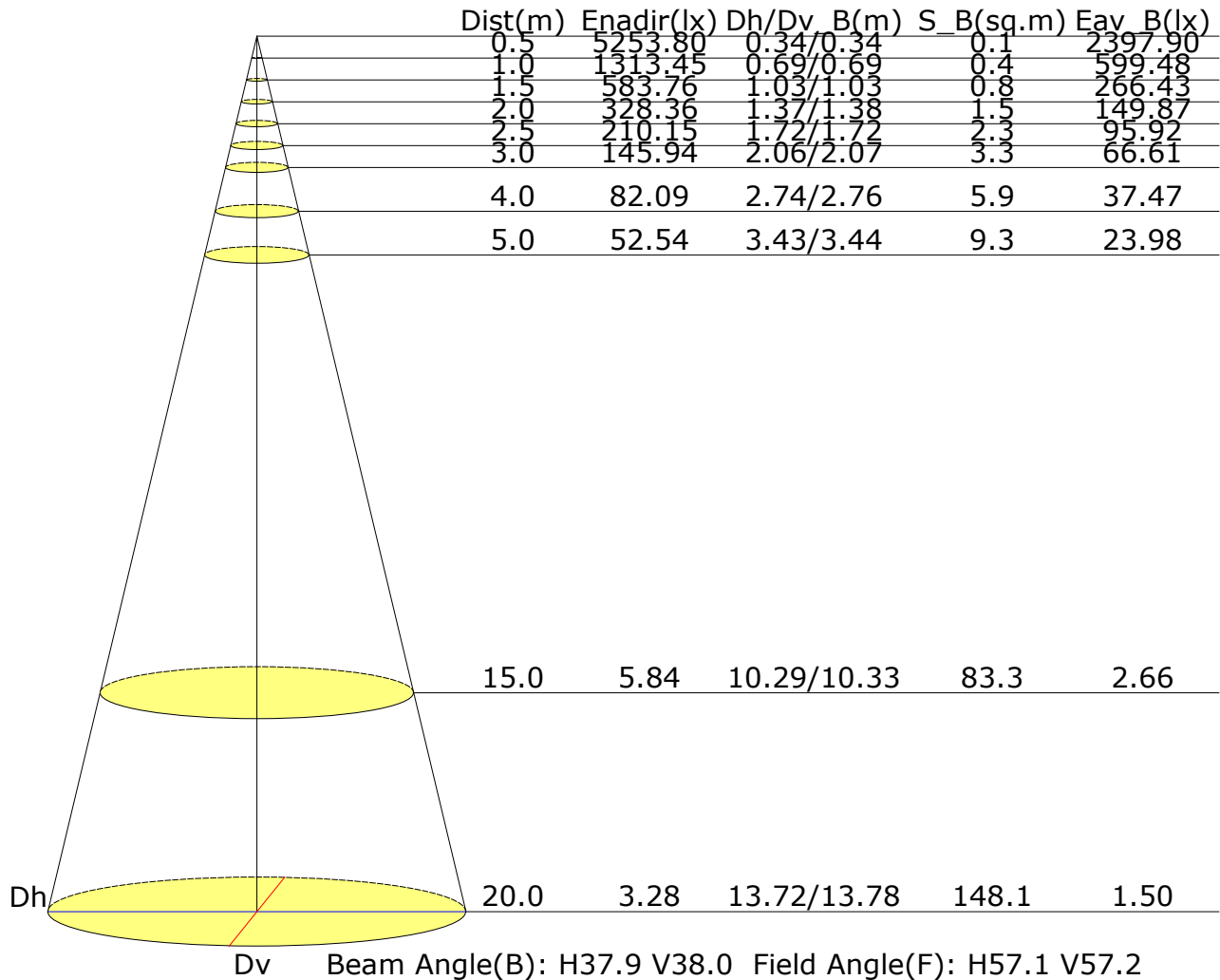
Mounting Height: 10.0m    Max Lux(100%): 13.1 lx

|                 |                |
|-----------------|----------------|
| ( 1%): 0.1 lx   | ( 2%): 0.3 lx  |
| ( 5%): 0.7 lx   | ( 10%): 1.3 lx |
| ( 20%): 2.6 lx  | ( 50%): 6.6 lx |
| (100%): 13.1 lx |                |

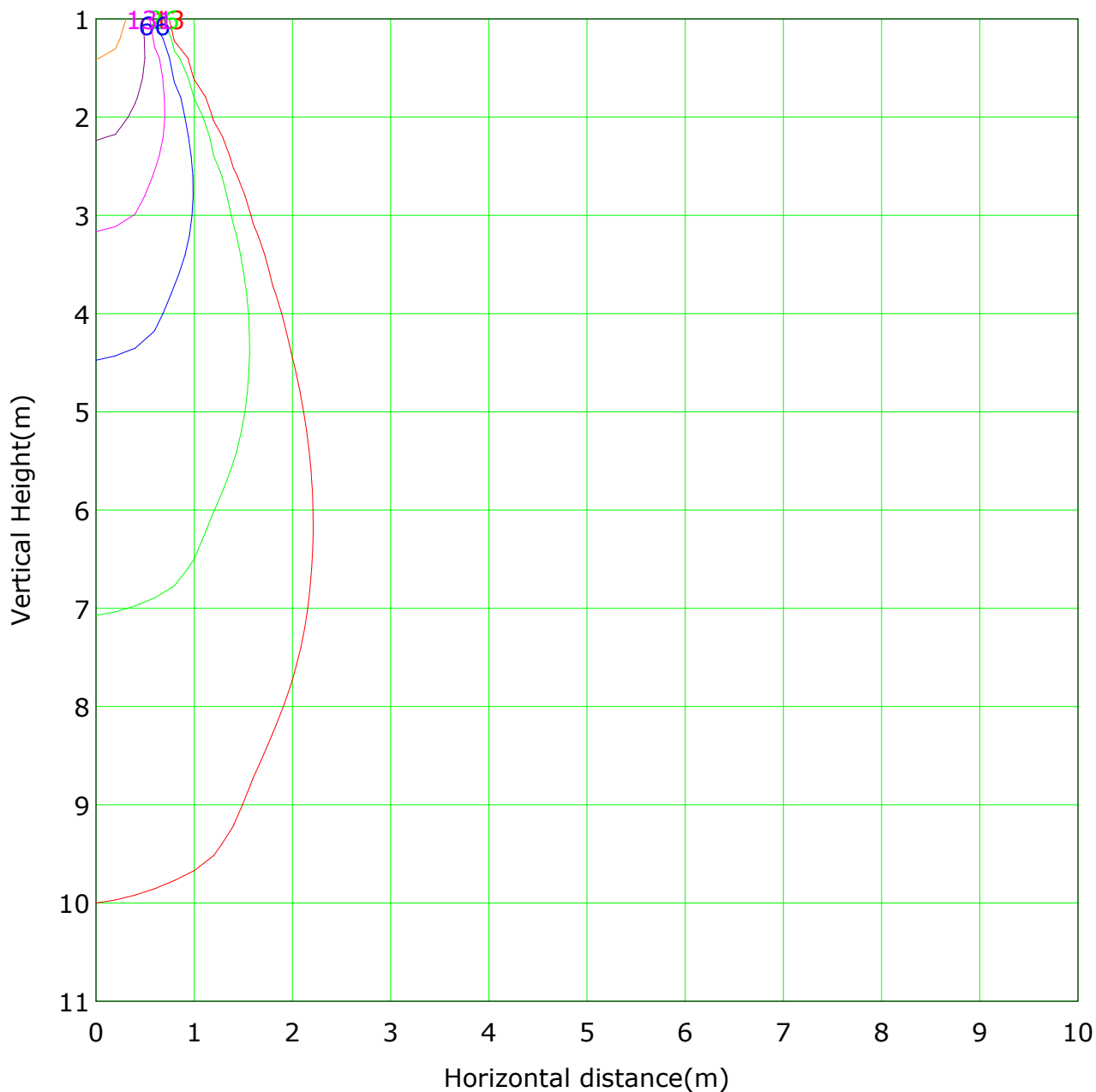
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 2.905 m  
Humidity:  
Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 1313.4 lx

|                  |                  |
|------------------|------------------|
| ( 1%): 13.1 lx   | ( 2%): 26.3 lx   |
| ( 5%): 65.7 lx   | ( 10%): 131.3 lx |
| ( 20%): 262.7 lx | ( 50%): 656.7 lx |
| (100%):1313.4 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: 2.905 m  
Humidity:  
Inspector:

## Area Flux Table

Unit: lm

| Vertical plane |     |     |     |     |     |     |     |     |     |     |     |     | Only 1m |     |     |     |     |     |         |         |  |  |  |  |  |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|-----|---------|---------|--|--|--|--|--|
| -90            | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0   | 10  | 20  | 30  | 40      | 50  | 60  | 70  | 80  | 90  | Flux(T) | Flux(E) |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |  |  |  |  |  |
| 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |         |     |     |     |     |     |         |         |  |  |  |  |  |

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: 2.905 m

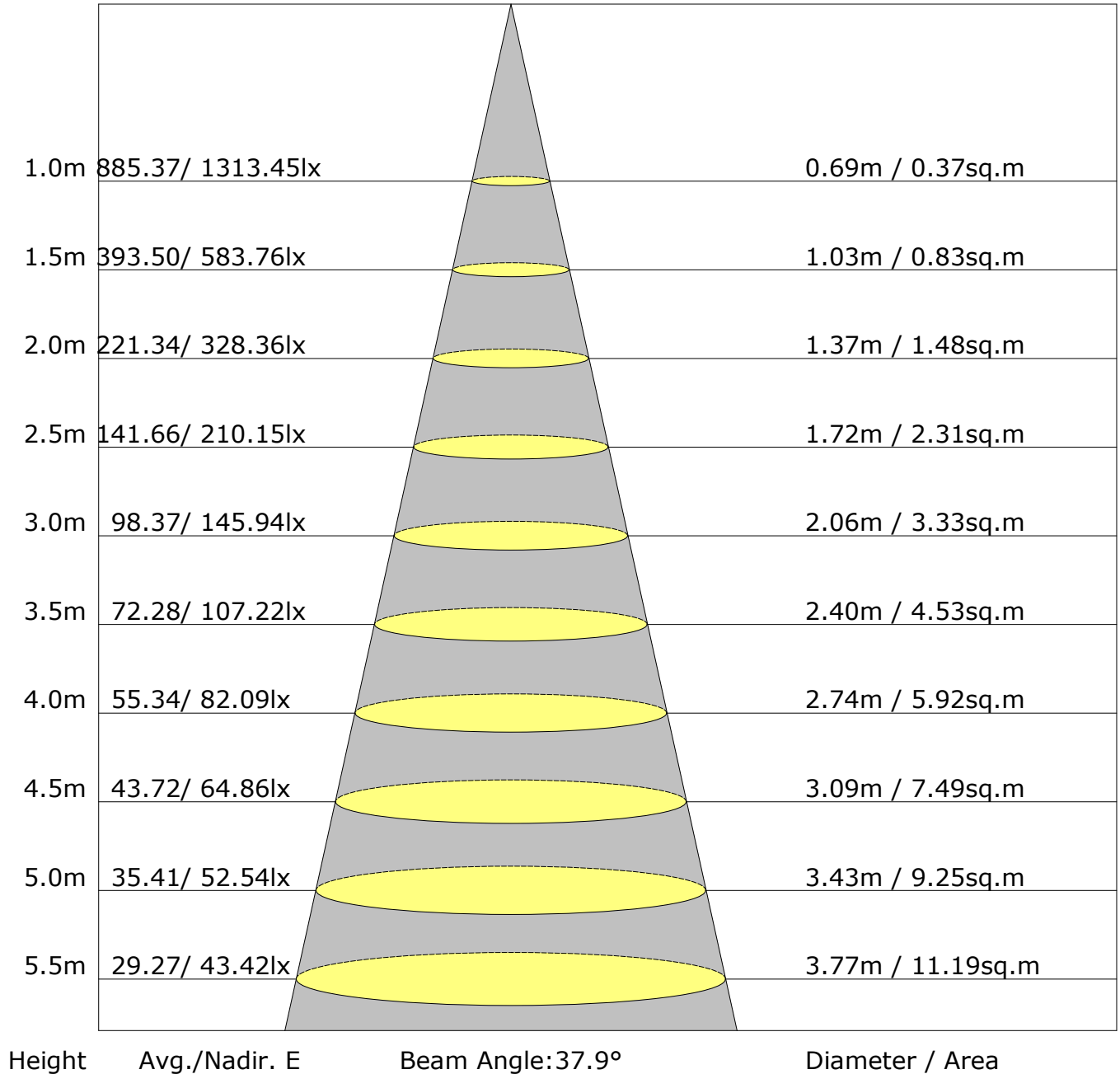
Humidity:

Inspector:



## The Average Illuminance Effective Figure

Flux Out: 327.43lm



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: 2.905 m  
Humidity:  
Inspector:

## UGR Table

|  |                  |      |     |      |      |                |      |      |      |      |
|--|------------------|------|-----|------|------|----------------|------|------|------|------|
| Reflectance:                                       |                  |      |     |      |      |                |      |      |      |      |
| Ceiling (cavity)                                   | 0.7              | 0.7  | 0.5 | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Wall   | 0.5              | 0.3  | 0.5 | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Reference plane                                    | 0.2              | 0.2  | 0.2 | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room dimensions                                    | Viewed crosswise |      |     |      |      | Viewed endwise |      |      |      |      |
| X=2H Y=2H  | 9.4              | 10.1 | 9.7 | 10.3 | 10.5 | 9.7            | 10.4 | 10.0 | 10.6 | 10.8 |
| 3H   | 9.3              | 9.9  | 9.6 | 10.1 | 10.4 | 9.6            | 10.2 | 9.9  | 10.4 | 10.7 |
| 4H   | 9.3              | 9.8  | 9.6 | 10.1 | 10.3 | 9.5            | 10.1 | 9.8  | 10.4 | 10.6 |
| 6H   | 9.3              | 9.8  | 9.6 | 10.1 | 10.4 | 9.5            | 10.0 | 9.8  | 10.3 | 10.6 |
| 8H   | 9.3              | 9.8  | 9.6 | 10.1 | 10.4 | 9.5            | 10.0 | 9.8  | 10.3 | 10.6 |
| 12H  | 9.3              | 9.8  | 9.7 | 10.1 | 10.4 | 9.5            | 9.9  | 9.8  | 10.2 | 10.6 |
| X=4H Y=2H  | 9.2              | 9.8  | 9.5 | 10.0 | 10.3 | 9.5            | 10.1 | 9.8  | 10.4 | 10.6 |
| 3H   | 9.1              | 9.6  | 9.5 | 9.9  | 10.2 | 9.4            | 9.9  | 9.7  | 10.2 | 10.5 |
| 4H   | 9.1              | 9.5  | 9.4 | 9.8  | 10.2 | 9.3            | 9.8  | 9.7  | 10.1 | 10.4 |
| 6H   | 9.1              | 9.5  | 9.5 | 9.9  | 10.3 | 9.3            | 9.7  | 9.7  | 10.0 | 10.4 |
| 8H   | 9.1              | 9.5  | 9.6 | 9.9  | 10.3 | 9.3            | 9.6  | 9.7  | 10.0 | 10.4 |
| 12H  | 9.3              | 9.6  | 9.7 | 10.0 | 10.4 | 9.3            | 9.6  | 9.7  | 10.0 | 10.4 |
| X=8H Y=4H  | 9.0              | 9.3  | 9.4 | 9.7  | 10.1 | 9.2            | 9.6  | 9.6  | 10.0 | 10.4 |
| 6H   | 9.1              | 9.3  | 9.5 | 9.8  | 10.2 | 9.2            | 9.5  | 9.7  | 9.9  | 10.4 |
| 8H   | 9.1              | 9.3  | 9.6 | 9.8  | 10.3 | 9.2            | 9.4  | 9.7  | 9.9  | 10.4 |
| 12H  | 9.3              | 9.6  | 9.8 | 10.0 | 10.5 | 9.3            | 9.5  | 9.8  | 10.0 | 10.5 |
| X=12H Y=4H   | 8.9              | 9.2  | 9.3 | 9.6  | 10.1 | 9.2            | 9.5  | 9.6  | 9.9  | 10.3 |
| 6H   | 9.0              | 9.3  | 9.5 | 9.7  | 10.2 | 9.2            | 9.4  | 9.6  | 9.9  | 10.3 |
| 8H   | 9.1              | 9.3  | 9.6 | 9.8  | 10.3 | 9.2            | 9.4  | 9.7  | 9.8  | 10.3 |
| Variations with the observer position at spacings: |                  |      |     |      |      |                |      |      |      |      |
| S=1.0H   | +6.7/-7.5        |      |     |      |      | +6.9/-10.1     |      |      |      |      |
| S=1.5H   | +9.5/-9.1        |      |     |      |      | +9.7/-11.1     |      |      |      |      |
| S=2.0H   | +11.5/-10.0      |      |     |      |      | +11.7/-12.0    |      |      |      |      |

Calculate in accordance with CIE Pub.117. The table is revised with  $503\text{lm}$  ( $8\log(F/F_0) = -2.4$ ).

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: 2.905 m  
Humidity:  
Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**

|  | ZONE           | LUMENS | % LAMP LUMENS |
|--|----------------|--------|---------------|
|  | FORWARD LIGHT  | 245    | 48.7          |
|  | FL ( 0°-30°)   | 238    | 47.2          |
|  | FM (30°-60°)   | 7      | 1.4           |
|  | FH (60°-80°)   | 0      | 0.0           |
|  | FVH (80°-90°)  | 0      | 0.0           |
|  | BACK LIGHT     | 258    | 51.3          |
|  | BL ( 0°-30°)   | 251    | 49.9          |
|  | BM (30°-60°)   | 7      | 1.4           |
|  | BH (60°-80°)   | 0      | 0.0           |
|  | BVH (80°-90°)  | 0      | 0.0           |
|  | UP LIGHT       | 0      | 0.0           |
|  | UL (90°-100°)  | 0      | 0.0           |
|  | UH (100°-180°) | 0      | 0.0           |
|  | TRAPPED LIGHT  | NA     | NA            |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07             |          |
|--|----------|
| Asymmetrical Luminaire Types<br>(Type I,II,III,IV)               | B1 U0 G0 |
| Quadrilateral Symmetrical Luminaire Types<br>(Type V,Area Light) | B1 U0 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: 2.905 m  
Humidity:  
Inspector:

## Zonal Lumen

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0      | 1291.4                    | 1.2                | 1.2                    | 0.25                  | 0.25                      |
| 1.0-2.0      | 1285.4                    | 3.7                | 4.9                    | 0.73                  | 0.98                      |
| 2.0-3.0      | 1300.9                    | 6.2                | 11.1                   | 1.24                  | 2.22                      |
| 3.0-4.0      | 1266.8                    | 8.5                | 19.6                   | 1.69                  | 3.90                      |
| 4.0-5.0      | 1254.4                    | 10.8               | 30.4                   | 2.14                  | 6.04                      |
| 5.0-6.0      | 1271.2                    | 13.4               | 43.8                   | 2.65                  | 8.70                      |
| 6.0-7.0      | 1178.6                    | 14.6               | 58.4                   | 2.91                  | 11.61                     |
| 7.0-8.0      | 1154.2                    | 16.5               | 74.9                   | 3.28                  | 14.89                     |
| 8.0-9.0      | 1188.9                    | 19.3               | 94.2                   | 3.83                  | 18.72                     |
| 9.0-10.0     | 1134.4                    | 20.5               | 114.7                  | 4.08                  | 22.80                     |
| 10.0-11.0    | 1083.7                    | 21.7               | 136.4                  | 4.30                  | 27.10                     |
| 11.0-12.0    | 1034.8                    | 22.6               | 159.0                  | 4.49                  | 31.59                     |
| 12.0-13.0    | 988.4                     | 23.5               | 182.5                  | 4.66                  | 36.26                     |
| 13.0-14.0    | 941.9                     | 24.1               | 206.6                  | 4.79                  | 41.05                     |
| 14.0-15.0    | 891.1                     | 24.5               | 231.1                  | 4.86                  | 45.91                     |
| 15.0-16.0    | 843.4                     | 24.7               | 255.8                  | 4.91                  | 50.82                     |
| 16.0-17.0    | 796.3                     | 24.8               | 280.6                  | 4.93                  | 55.75                     |
| 17.0-18.0    | 742.1                     | 24.5               | 305.0                  | 4.86                  | 60.61                     |
| 18.0-19.0    | 685.8                     | 23.9               | 328.9                  | 4.74                  | 65.35                     |
| 19.0-20.0    | 627.9                     | 23.0               | 351.9                  | 4.57                  | 69.92                     |
| 20.0-21.0    | 570.1                     | 21.9               | 373.8                  | 4.35                  | 74.27                     |
| 21.0-22.0    | 511.0                     | 20.5               | 394.3                  | 4.08                  | 78.35                     |
| 22.0-23.0    | 449.1                     | 18.8               | 413.2                  | 3.74                  | 82.09                     |
| 23.0-24.0    | 386.0                     | 16.9               | 430.0                  | 3.35                  | 85.45                     |
| 24.0-25.0    | 323.1                     | 14.7               | 444.7                  | 2.92                  | 88.37                     |
| 25.0-26.0    | 263.1                     | 12.4               | 457.2                  | 2.47                  | 90.83                     |
| 26.0-27.0    | 210.2                     | 10.3               | 467.5                  | 2.04                  | 92.88                     |
| 27.0-28.0    | 168.2                     | 8.5                | 476.0                  | 1.69                  | 94.57                     |
| 28.0-29.0    | 134.3                     | 7.0                | 483.0                  | 1.40                  | 95.97                     |
| 29.0-30.0    | 104.6                     | 5.6                | 488.6                  | 1.12                  | 97.09                     |
| 30.0-31.0    | 78.3                      | 4.4                | 493.0                  | 0.87                  | 97.95                     |
| 31.0-32.0    | 55.4                      | 3.2                | 496.2                  | 0.63                  | 98.58                     |
| 32.0-33.0    | 37.0                      | 2.2                | 498.4                  | 0.43                  | 99.02                     |
| 33.0-34.0    | 23.9                      | 1.4                | 499.8                  | 0.29                  | 99.31                     |
| 34.0-35.0    | 15.2                      | 0.9                | 500.7                  | 0.19                  | 99.49                     |
| 35.0-36.0    | 8.9                       | 0.6                | 501.3                  | 0.11                  | 99.61                     |

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: 2.905 m  
Humidity:  
Inspector:

## Zonal Lumen (Continue 1)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0    | 4.6                       | 0.3                | 501.6                  | 0.06                  | 99.67                     |
| 37.0-38.0    | 2.5                       | 0.2                | 501.8                  | 0.03                  | 99.70                     |
| 38.0-39.0    | 1.9                       | 0.1                | 501.9                  | 0.03                  | 99.72                     |
| 39.0-40.0    | 1.6                       | 0.1                | 502.0                  | 0.02                  | 99.75                     |
| 40.0-41.0    | 1.4                       | 0.1                | 502.1                  | 0.02                  | 99.77                     |
| 41.0-42.0    | 1.2                       | 0.1                | 502.2                  | 0.02                  | 99.78                     |
| 42.0-43.0    | 1.1                       | 0.1                | 502.3                  | 0.02                  | 99.80                     |
| 43.0-44.0    | 1.1                       | 0.1                | 502.4                  | 0.02                  | 99.82                     |
| 44.0-45.0    | 0.9                       | 0.1                | 502.4                  | 0.01                  | 99.83                     |
| 45.0-46.0    | 0.8                       | 0.1                | 502.5                  | 0.01                  | 99.84                     |
| 46.0-47.0    | 0.7                       | 0.1                | 502.6                  | 0.01                  | 99.85                     |
| 47.0-48.0    | 0.7                       | 0.1                | 502.6                  | 0.01                  | 99.87                     |
| 48.0-49.0    | 0.6                       | 0.1                | 502.7                  | 0.01                  | 99.88                     |
| 49.0-50.0    | 0.6                       | 0.0                | 502.7                  | 0.01                  | 99.89                     |
| 50.0-51.0    | 0.5                       | 0.0                | 502.8                  | 0.01                  | 99.90                     |
| 51.0-52.0    | 0.4                       | 0.0                | 502.8                  | 0.01                  | 99.90                     |
| 52.0-53.0    | 0.5                       | 0.0                | 502.8                  | 0.01                  | 99.91                     |
| 53.0-54.0    | 0.4                       | 0.0                | 502.9                  | 0.01                  | 99.92                     |
| 54.0-55.0    | 0.3                       | 0.0                | 502.9                  | 0.01                  | 99.92                     |
| 55.0-56.0    | 0.2                       | 0.0                | 502.9                  | 0.00                  | 99.93                     |
| 56.0-57.0    | 0.2                       | 0.0                | 503.0                  | 0.00                  | 99.93                     |
| 57.0-58.0    | 0.2                       | 0.0                | 503.0                  | 0.00                  | 99.94                     |
| 58.0-59.0    | 0.1                       | 0.0                | 503.0                  | 0.00                  | 99.94                     |
| 59.0-60.0    | 0.2                       | 0.0                | 503.0                  | 0.00                  | 99.94                     |
| 60.0-61.0    | 0.2                       | 0.0                | 503.0                  | 0.00                  | 99.95                     |
| 61.0-62.0    | 0.1                       | 0.0                | 503.0                  | 0.00                  | 99.95                     |
| 62.0-63.0    | 0.2                       | 0.0                | 503.1                  | 0.00                  | 99.95                     |
| 63.0-64.0    | 0.2                       | 0.0                | 503.1                  | 0.00                  | 99.96                     |
| 64.0-65.0    | 0.1                       | 0.0                | 503.1                  | 0.00                  | 99.96                     |
| 65.0-66.0    | 0.1                       | 0.0                | 503.1                  | 0.00                  | 99.96                     |
| 66.0-67.0    | 0.1                       | 0.0                | 503.1                  | 0.00                  | 99.96                     |
| 67.0-68.0    | 0.1                       | 0.0                | 503.1                  | 0.00                  | 99.96                     |
| 68.0-69.0    | 0.1                       | 0.0                | 503.1                  | 0.00                  | 99.96                     |
| 69.0-70.0    | 0.1                       | 0.0                | 503.1                  | 0.00                  | 99.97                     |
| 70.0-71.0    | 0.1                       | 0.0                | 503.1                  | 0.00                  | 99.97                     |
| 71.0-72.0    | 0.1                       | 0.0                | 503.1                  | 0.00                  | 99.97                     |

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: 2.905 m  
Humidity:  
Inspector:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 2.905 m  
Humidity:  
Inspector:

## Candlepower Table

Unit: cd

| G\C   | C0.0   | C180.0 |  |  |  |  |  |  |  |  |
|-------|--------|--------|--|--|--|--|--|--|--|--|
| G0.0  | 1313.4 | 1313.4 |  |  |  |  |  |  |  |  |
| G1.0  | 1307.3 | 1231.2 |  |  |  |  |  |  |  |  |
| G2.0  | 1297.9 | 1305.3 |  |  |  |  |  |  |  |  |
| G3.0  | 1286.3 | 1314.2 |  |  |  |  |  |  |  |  |
| G4.0  | 1273.6 | 1193.2 |  |  |  |  |  |  |  |  |
| G5.0  | 1257.5 | 1293.2 |  |  |  |  |  |  |  |  |
| G6.0  | 1239.6 | 1294.4 |  |  |  |  |  |  |  |  |
| G7.0  | 1215.3 | 965.0  |  |  |  |  |  |  |  |  |
| G8.0  | 1178.1 | 1258.3 |  |  |  |  |  |  |  |  |
| G9.0  | 1120.3 | 1198.8 |  |  |  |  |  |  |  |  |
| G10.0 | 1055.6 | 1162.8 |  |  |  |  |  |  |  |  |
| G11.0 | 1002.6 | 1113.9 |  |  |  |  |  |  |  |  |
| G12.0 | 954.6  | 1068.0 |  |  |  |  |  |  |  |  |
| G13.0 | 908.0  | 1023.1 |  |  |  |  |  |  |  |  |
| G14.0 | 861.0  | 975.4  |  |  |  |  |  |  |  |  |
| G15.0 | 814.3  | 913.8  |  |  |  |  |  |  |  |  |
| G16.0 | 765.1  | 880.3  |  |  |  |  |  |  |  |  |
| G17.0 | 711.7  | 827.9  |  |  |  |  |  |  |  |  |
| G18.0 | 658.1  | 770.8  |  |  |  |  |  |  |  |  |
| G19.0 | 603.9  | 710.3  |  |  |  |  |  |  |  |  |
| G20.0 | 549.5  | 648.0  |  |  |  |  |  |  |  |  |
| G21.0 | 495.5  | 587.5  |  |  |  |  |  |  |  |  |
| G22.0 | 440.1  | 520.8  |  |  |  |  |  |  |  |  |
| G23.0 | 383.0  | 452.3  |  |  |  |  |  |  |  |  |
| G24.0 | 324.7  | 384.0  |  |  |  |  |  |  |  |  |
| G25.0 | 267.5  | 316.2  |  |  |  |  |  |  |  |  |
| G26.0 | 215.4  | 253.4  |  |  |  |  |  |  |  |  |
| G27.0 | 172.6  | 199.6  |  |  |  |  |  |  |  |  |
| G28.0 | 140.4  | 160.1  |  |  |  |  |  |  |  |  |
| G29.0 | 110.5  | 126.3  |  |  |  |  |  |  |  |  |
| G30.0 | 84.6   | 96.9   |  |  |  |  |  |  |  |  |
| G31.0 | 61.5   | 70.2   |  |  |  |  |  |  |  |  |
| G32.0 | 42.0   | 47.8   |  |  |  |  |  |  |  |  |
| G33.0 | 27.0   | 31.2   |  |  |  |  |  |  |  |  |
| G34.0 | 17.3   | 20.3   |  |  |  |  |  |  |  |  |
| G35.0 | 10.8   | 12.6   |  |  |  |  |  |  |  |  |
| G36.0 | 5.9    | 6.4    |  |  |  |  |  |  |  |  |

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: 2.905 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

| G\C   | C0.0 | C180.0 |  |  |  |  |  |  |  |  |
|-------|------|--------|--|--|--|--|--|--|--|--|
| G37.0 | 3.4  | 2.7    |  |  |  |  |  |  |  |  |
| G38.0 | 2.5  | 1.5    |  |  |  |  |  |  |  |  |
| G39.0 | 2.2  | 1.1    |  |  |  |  |  |  |  |  |
| G40.0 | 2.1  | 0.8    |  |  |  |  |  |  |  |  |
| G41.0 | 1.8  | 1.0    |  |  |  |  |  |  |  |  |
| G42.0 | 1.5  | 0.6    |  |  |  |  |  |  |  |  |
| G43.0 | 1.5  | 0.7    |  |  |  |  |  |  |  |  |
| G44.0 | 1.4  | 0.7    |  |  |  |  |  |  |  |  |
| G45.0 | 1.1  | 0.6    |  |  |  |  |  |  |  |  |
| G46.0 | 1.1  | 0.4    |  |  |  |  |  |  |  |  |
| G47.0 | 1.0  | 0.4    |  |  |  |  |  |  |  |  |
| G48.0 | 1.0  | 0.4    |  |  |  |  |  |  |  |  |
| G49.0 | 1.0  | 0.1    |  |  |  |  |  |  |  |  |
| G50.0 | 1.0  | 0.3    |  |  |  |  |  |  |  |  |
| G51.0 | 0.7  | 0.1    |  |  |  |  |  |  |  |  |
| G52.0 | 0.7  | 0.1    |  |  |  |  |  |  |  |  |
| G53.0 | 0.7  | 0.3    |  |  |  |  |  |  |  |  |
| G54.0 | 0.6  | 0.1    |  |  |  |  |  |  |  |  |
| G55.0 | 0.4  | 0.1    |  |  |  |  |  |  |  |  |
| G56.0 | 0.4  | 0.0    |  |  |  |  |  |  |  |  |
| G57.0 | 0.4  | 0.0    |  |  |  |  |  |  |  |  |
| G58.0 | 0.4  | 0.0    |  |  |  |  |  |  |  |  |
| G59.0 | 0.1  | 0.0    |  |  |  |  |  |  |  |  |
| G60.0 | 0.4  | 0.1    |  |  |  |  |  |  |  |  |
| G61.0 | 0.4  | 0.0    |  |  |  |  |  |  |  |  |
| G62.0 | 0.1  | 0.0    |  |  |  |  |  |  |  |  |
| G63.0 | 0.6  | 0.0    |  |  |  |  |  |  |  |  |
| G64.0 | 0.1  | 0.0    |  |  |  |  |  |  |  |  |
| G65.0 | 0.1  | 0.0    |  |  |  |  |  |  |  |  |
| G66.0 | 0.1  | 0.0    |  |  |  |  |  |  |  |  |
| G67.0 | 0.1  | 0.0    |  |  |  |  |  |  |  |  |
| G68.0 | 0.3  | 0.0    |  |  |  |  |  |  |  |  |
| G69.0 | 0.1  | 0.0    |  |  |  |  |  |  |  |  |
| G70.0 | 0.1  | 0.0    |  |  |  |  |  |  |  |  |
| G71.0 | 0.3  | 0.0    |  |  |  |  |  |  |  |  |
| G72.0 | 0.1  | 0.0    |  |  |  |  |  |  |  |  |
| G73.0 | 0.1  | 0.0    |  |  |  |  |  |  |  |  |

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: 2.905 m  
Humidity:  
Inspector:



Unit: cd

[illegible]

Inspector: