

Report No.: 51.04515 Recessed Downlight    Test Time: 2022-05-25 19:13

## Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90

Voltage: 217.4 V

Current: 0.026 A

Power: 5.20 W

Power Factor: 0.903

## Photometric Results

CIE Class: Direct

Measurement Flux: 403 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(25%,50%,75%,100%): H30,H22.3,H15.1,H0

Vertical Diffuse Angle(25%,50%,75%,100%): V30,V22.3,V15.1,V0

Luminaire Efficacy Rating (LER): 77

Max. Intensity: 2404.38 cd

Total Rated Lamp Lumens: 403.0 lm

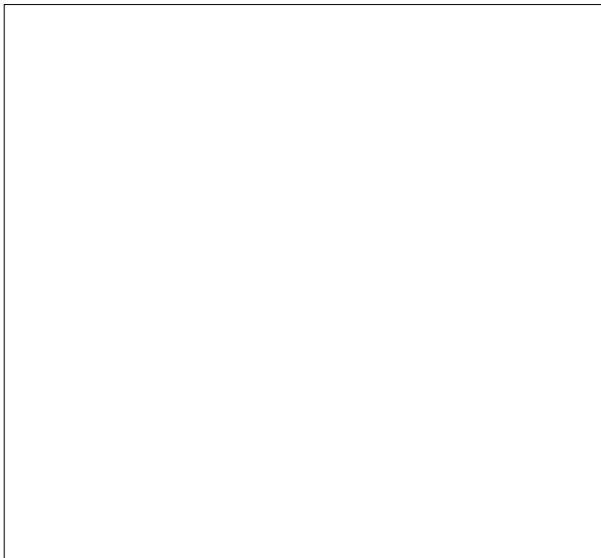
Efficiency: 100%

Upward Ratio: 0%

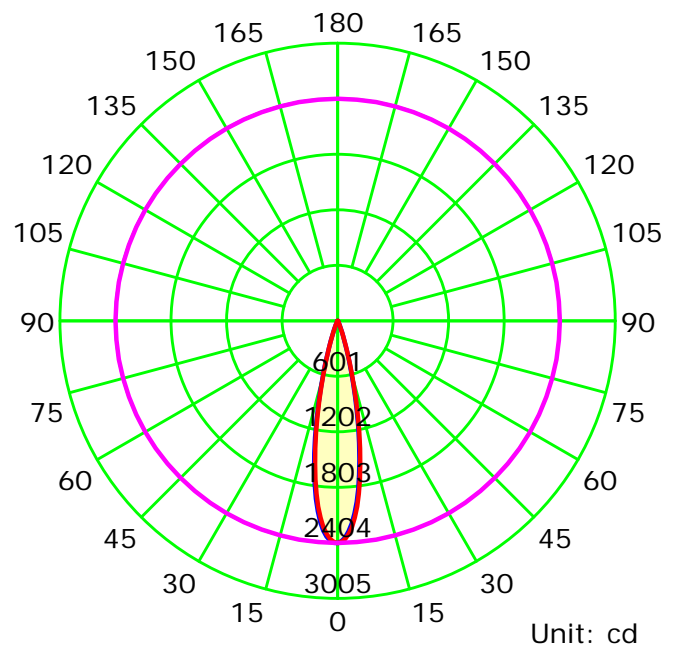
Central Intensity: 2404.37 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 22.3°

— 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

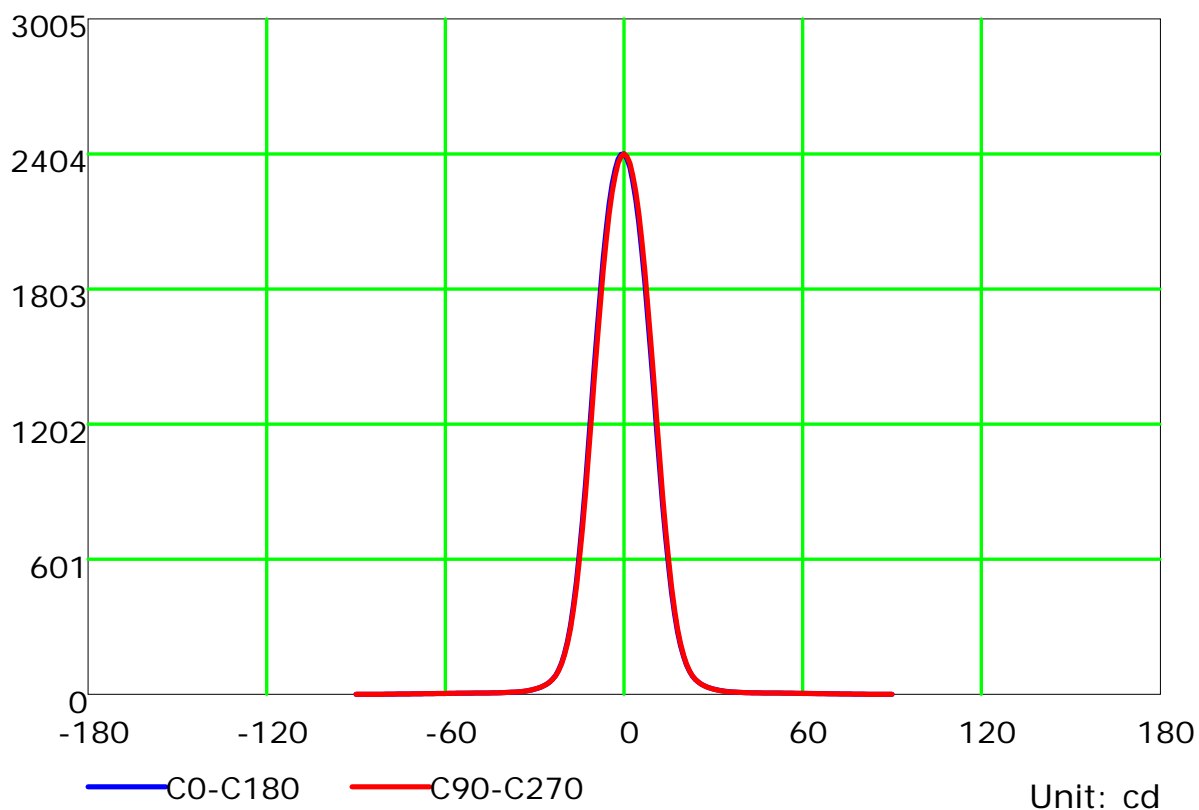
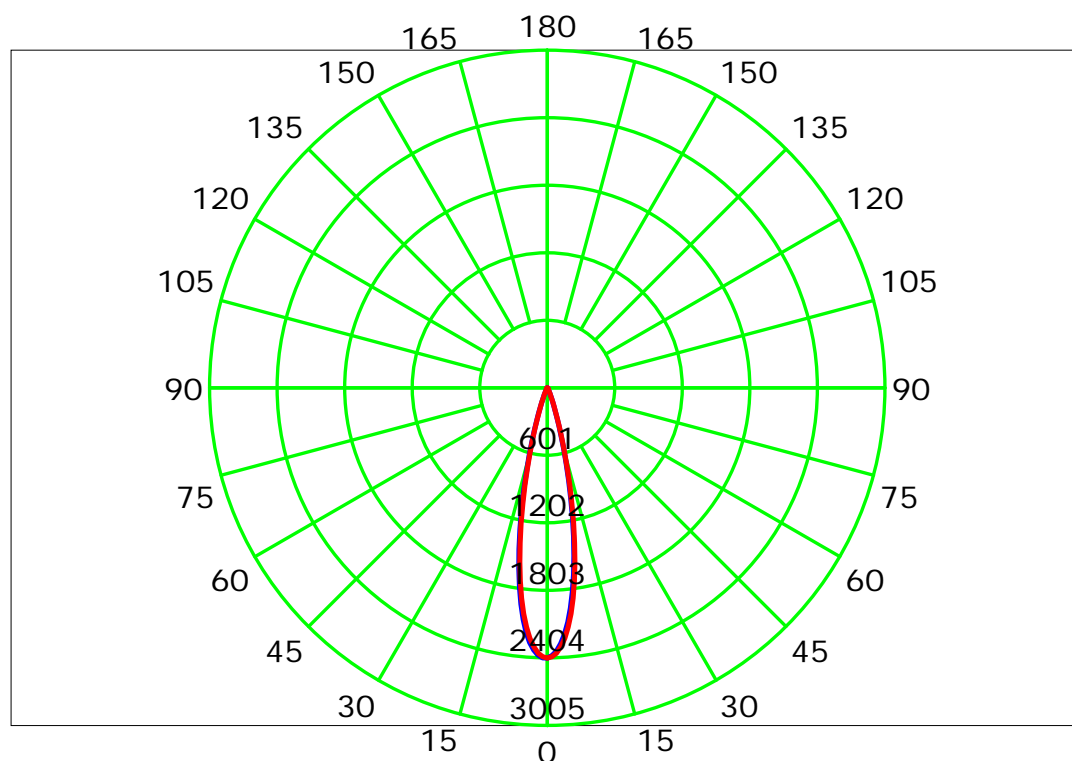
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

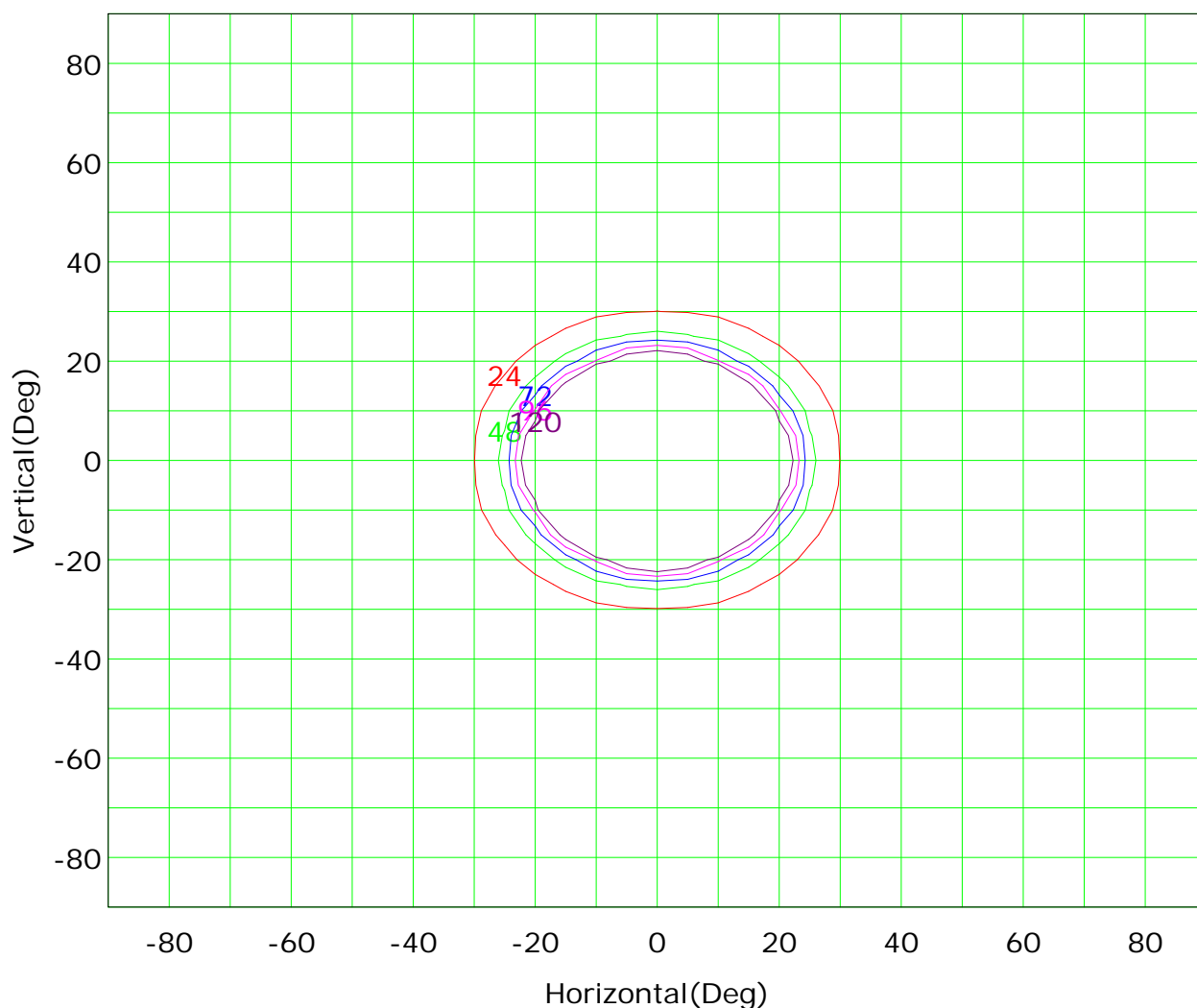
## Luminous Intensity Distribution Curve



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%): 2404 cd

— ( 1%): 24 cd  
— ( 3%): 72 cd  
— ( 5%): 120 cd

— ( 2%): 48 cd  
— ( 4%): 96 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

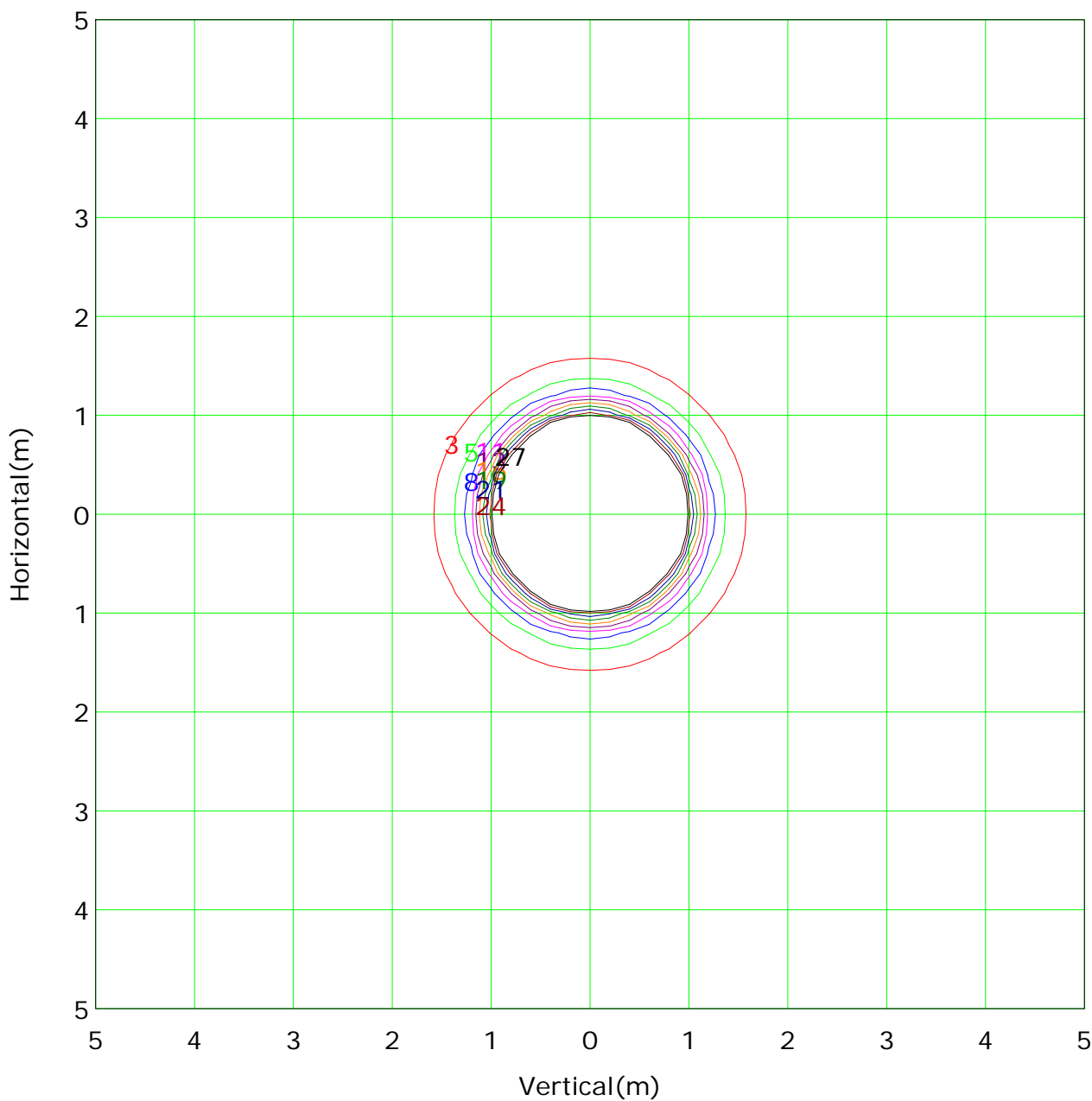
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 267 lx	
— ( 1%):	3 lx	— ( 2%):	5 lx
— ( 3%):	8 lx	— ( 4%):	11 lx
— ( 5%):	13 lx	— ( 6%):	16 lx
— ( 7%):	19 lx	— ( 8%):	21 lx
— ( 9%):	24 lx	— (10%):	27 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

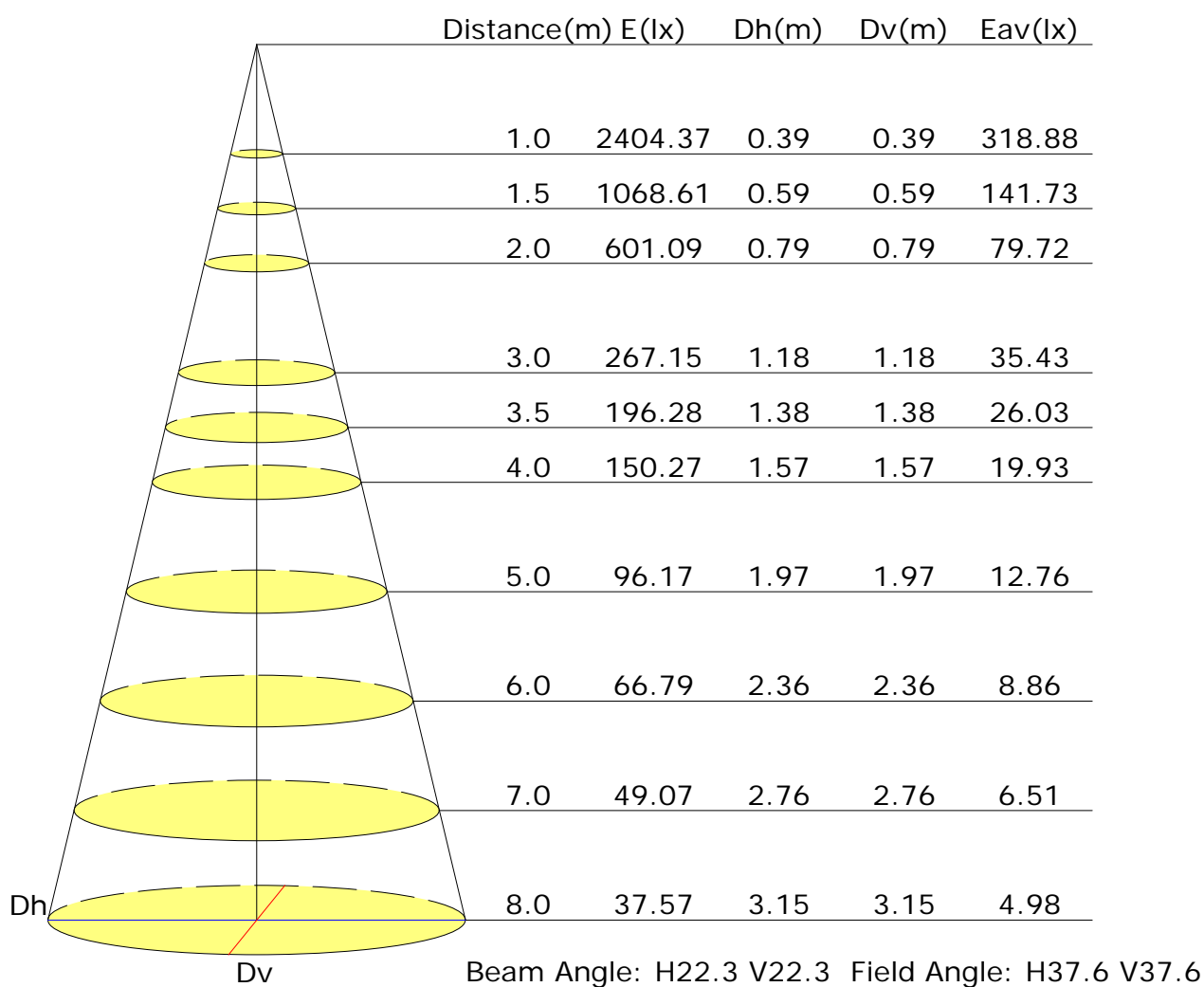
Test Device: CHL-6E

Distance: 3.000 m

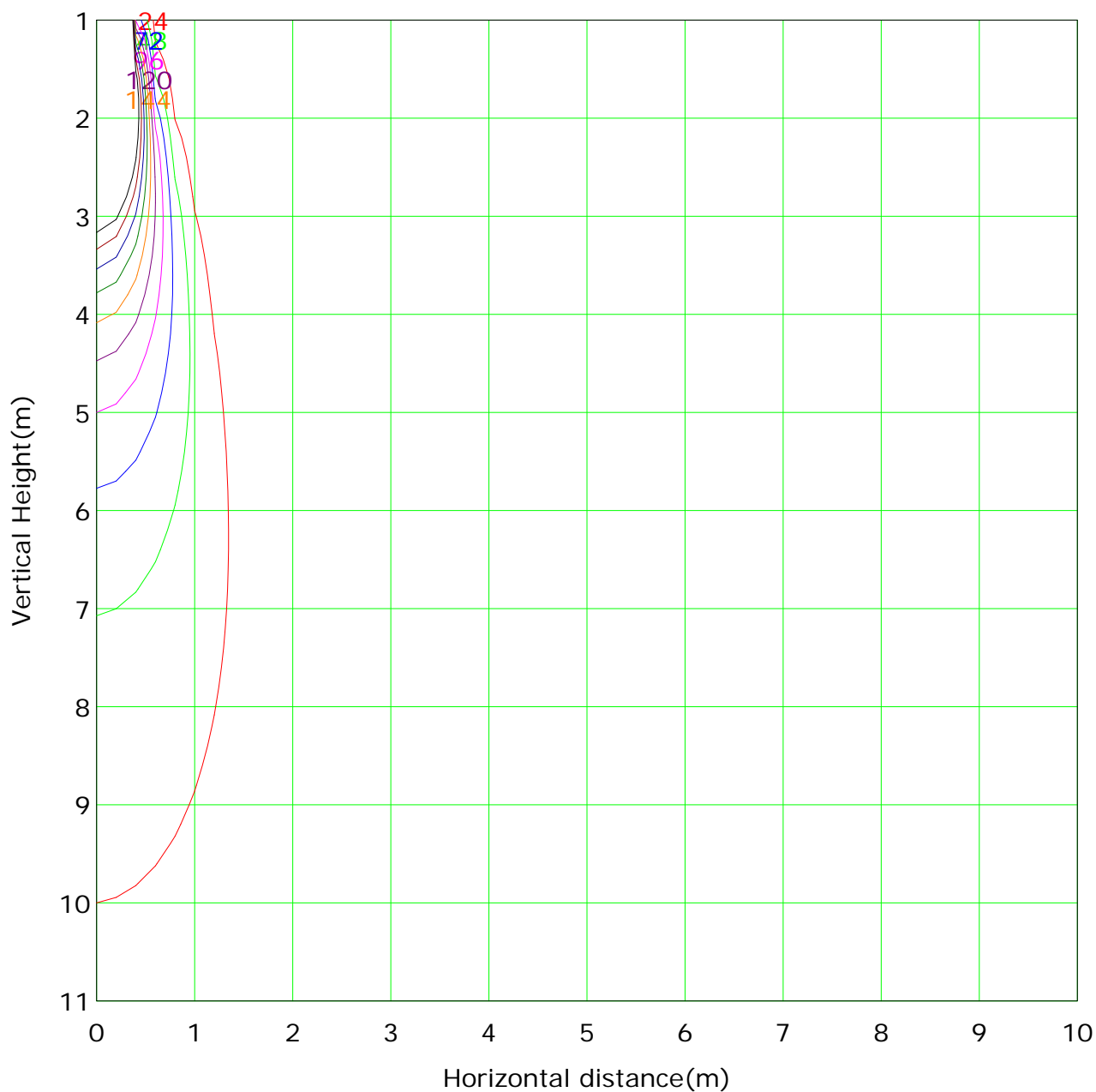
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 2404

( 1%): 24 lx	( 2%): 48 lx
( 3%): 72 lx	( 4%): 96 lx
( 5%): 120 lx	( 6%): 144 lx
( 7%): 168 lx	( 8%): 192 lx
( 9%): 216 lx	( 10%): 240 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

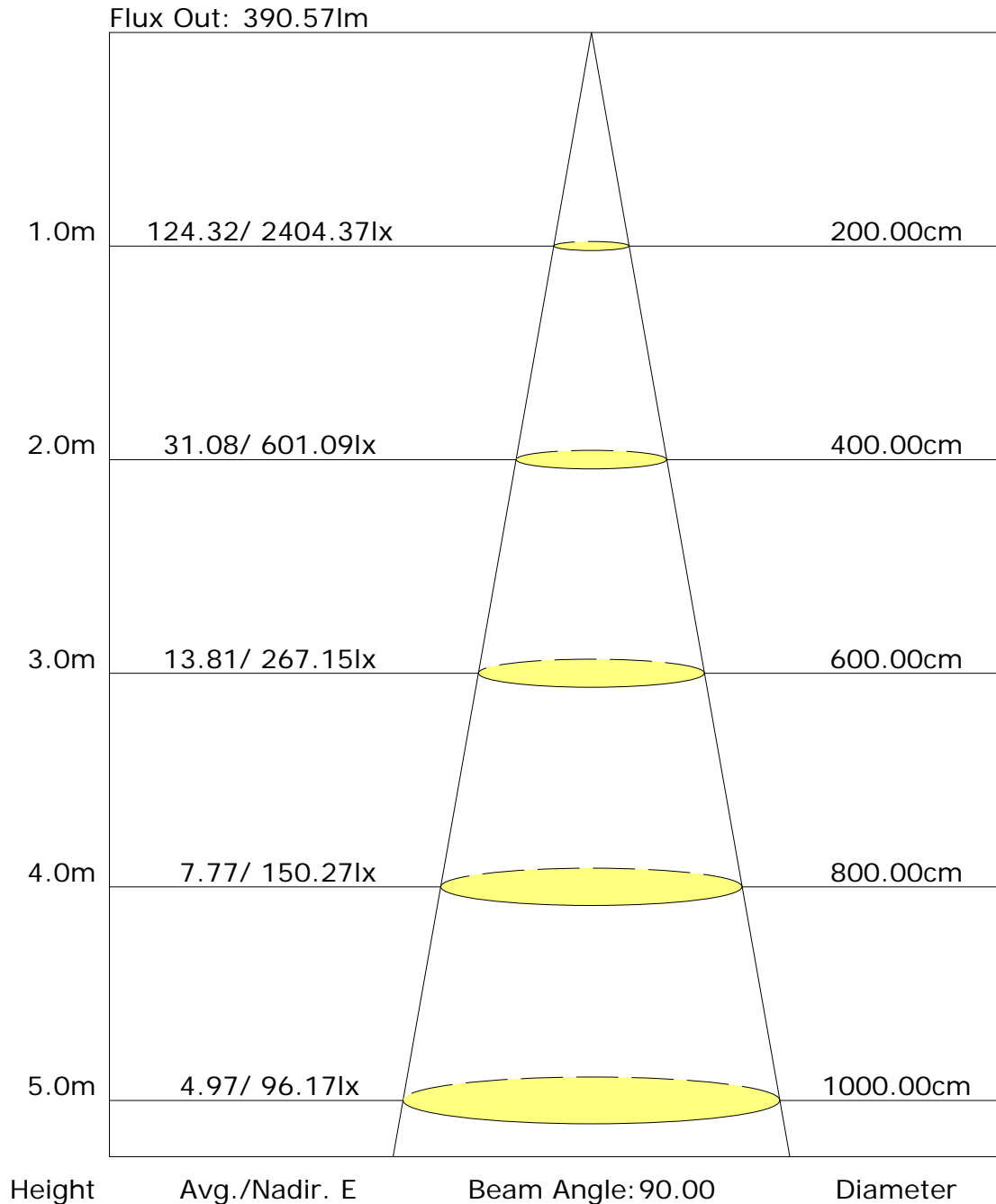
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## The average illuminance effective figure



## Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	2404.4	2404.4								
G1.0	2384.4	2403.5								
G2.0	2345.2	2381.1								
G3.0	2281.3	2336.3								
G4.0	2199.3	2271.3								
G5.0	2094.0	2182.0								
G6.0	1972.8	2070.9								
G7.0	1833.5	1939.3								
G8.0	1678.3	1788.7								
G9.0	1515.0	1628.0								
G10.0	1345.4	1458.0								
G11.0	1171.9	1281.8								
G12.0	1003.3	1103.6								
G13.0	843.7	930.9								
G14.0	698.1	770.1								
G15.0	567.7	627.9								
G16.0	453.5	503.1								
G17.0	357.0	395.5								
G18.0	279.2	307.0								
G19.0	217.1	236.2								
G20.0	168.8	181.3								
G21.0	131.2	139.8								
G22.0	102.8	108.0								
G23.0	81.3	84.4								
G24.0	66.1	67.7								
G25.0	54.3	54.8								
G26.0	45.3	45.4								
G27.0	38.3	38.0								
G28.0	32.8	32.0								
G29.0	27.9	27.2								
G30.0	24.2	23.1								
G31.0	21.1	19.9								
G32.0	18.3	17.3								
G33.0	15.8	14.9								
G34.0	13.9	13.0								
G35.0	12.2	11.5								
G36.0	11.1	10.6								

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:



## Candlepower Table (Continue 1)

Unit: cd

GVC	C0.0	C180.0								
G37.0	10.3	9.8								
G38.0	9.6	9.3								
G39.0	8.8	8.6								
G40.0	8.1	8.1								
G41.0	7.7	7.5								
G42.0	7.2	7.1								
G43.0	6.9	6.8								
G44.0	6.8	6.5								
G45.0	6.6	6.4								
G46.0	6.5	6.0								
G47.0	6.3	6.0								
G48.0	6.2	5.8								
G49.0	6.2	5.8								
G50.0	6.0	5.8								
G51.0	6.0	5.6								
G52.0	5.9	5.6								
G53.0	5.8	5.5								
G54.0	5.5	5.3								
G55.0	5.4	5.1								
G56.0	5.1	5.0								
G57.0	5.0	4.7								
G58.0	4.9	4.6								
G59.0	4.5	4.4								
G60.0	4.3	4.1								
G61.0	4.3	4.0								
G62.0	4.0	3.8								
G63.0	3.8	3.7								
G64.0	3.6	3.3								
G65.0	3.3	3.2								
G66.0	3.2	3.1								
G67.0	3.1	2.9								
G68.0	2.9	2.7								
G69.0	2.6	2.4								
G70.0	2.4	2.3								
G71.0	2.3	2.2								
G72.0	2.2	1.9								
G73.0	2.1	2.0								

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: 3.000 m

Humidity:

Inspector:

## Unit: cd

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector: