

Report No.: 51.07511 Recessed Downlight    Test Time: 2022-05-28 09:55

## Luminaire Property

Luminaire Category: Bridgelux V10C 3000K CRI90

Voltage: 213.1 V

Current: 0.106 A

Power: 21.20 W

Power Factor: 0.930

## Photometric Results

CIE Class: Direct

Measurement Flux: 1443.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(25%,50%,75%,100%): H45.1,H35.1,H24,H1

Vertical Diffuse Angle(25%,50%,75%,100%): V45.1,V35.1,V24,V1

Luminaire Efficacy Rating (LER): 68

Max. Intensity: 4185.73 cd

Total Rated Lamp Lumens: 1443.5 lm

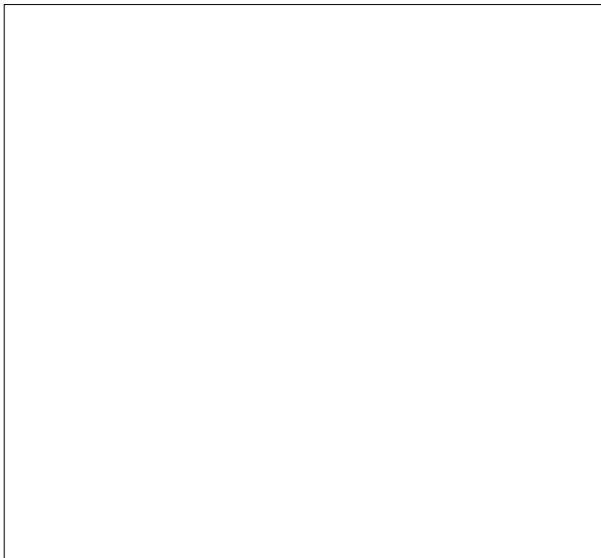
Efficiency: 100%

Upward Ratio: 0%

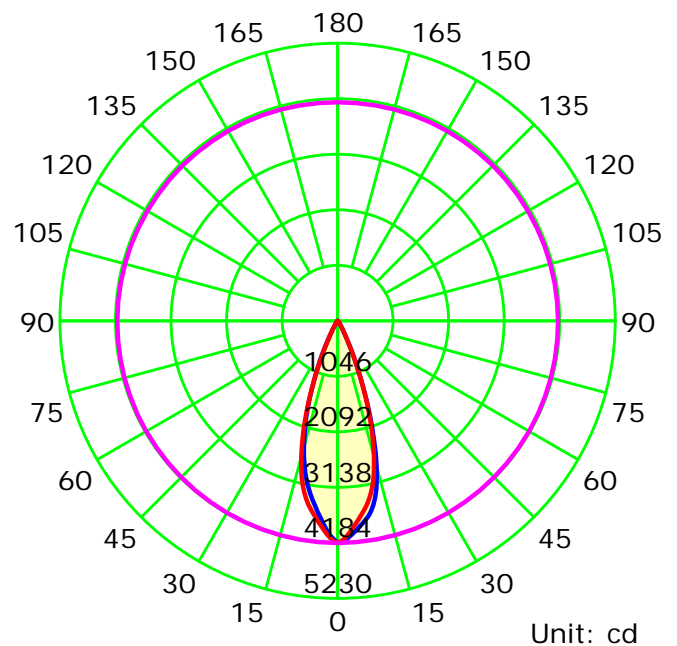
Central Intensity: 4176.69 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 35.1°

— 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

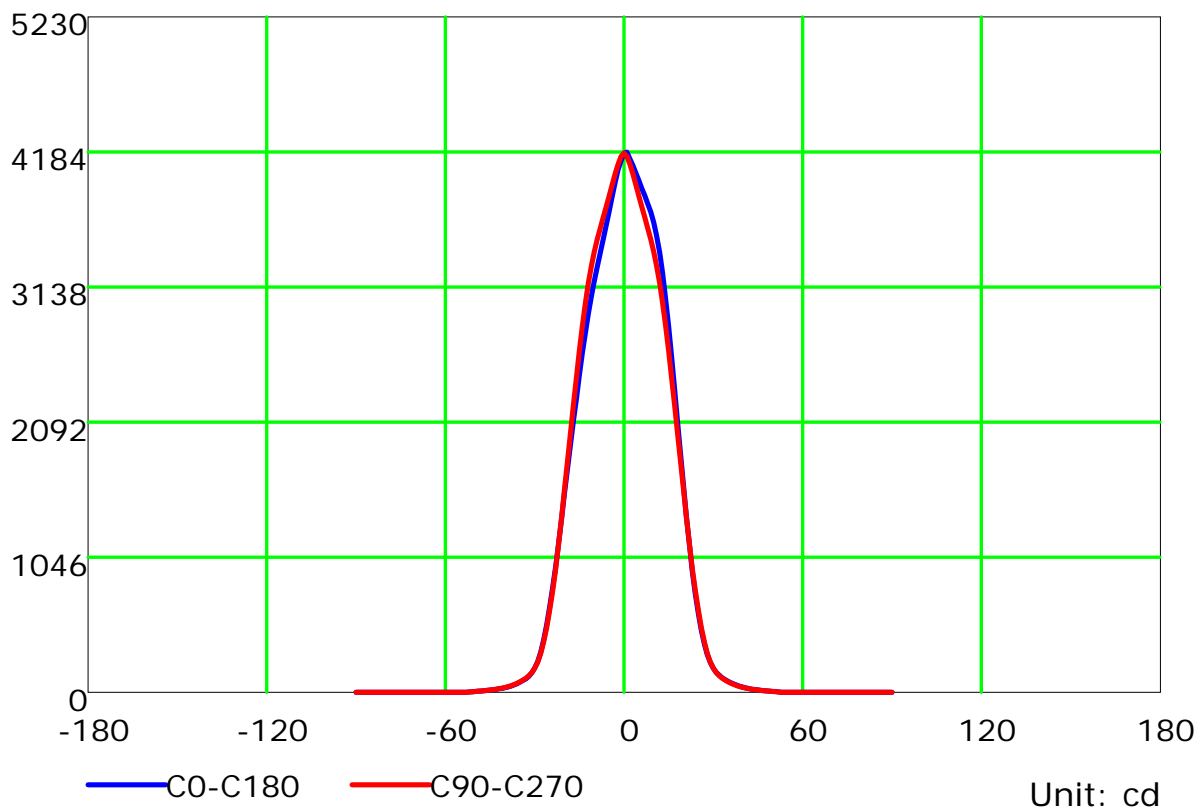
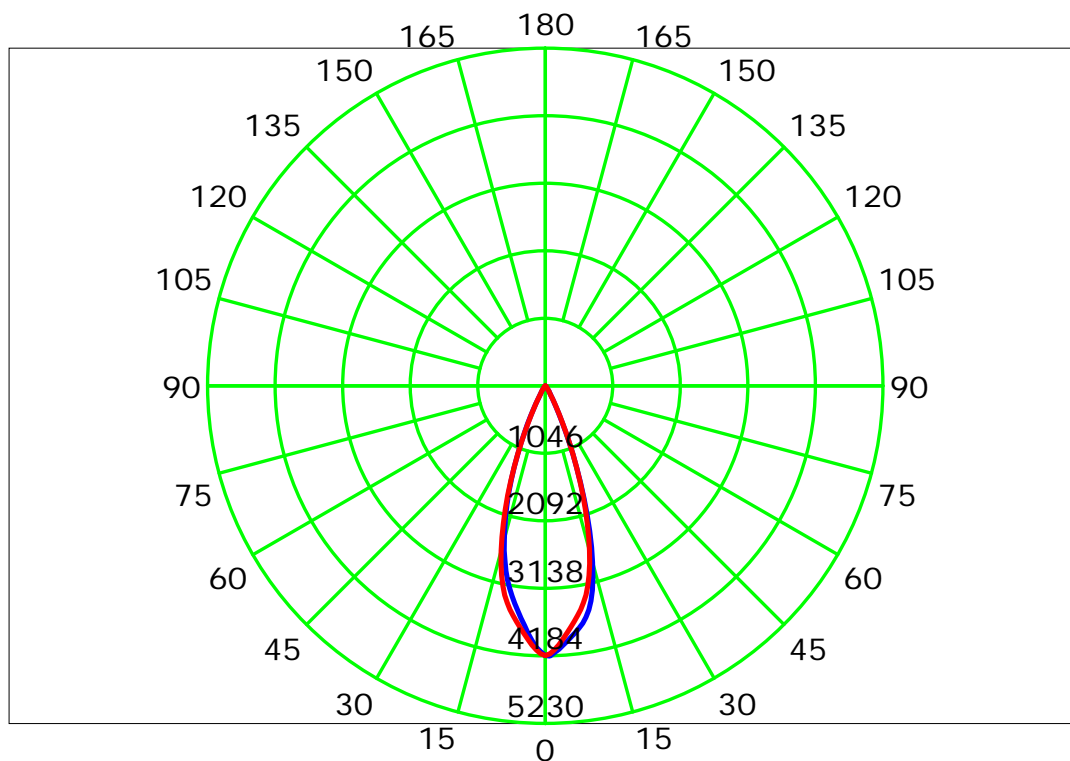
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



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

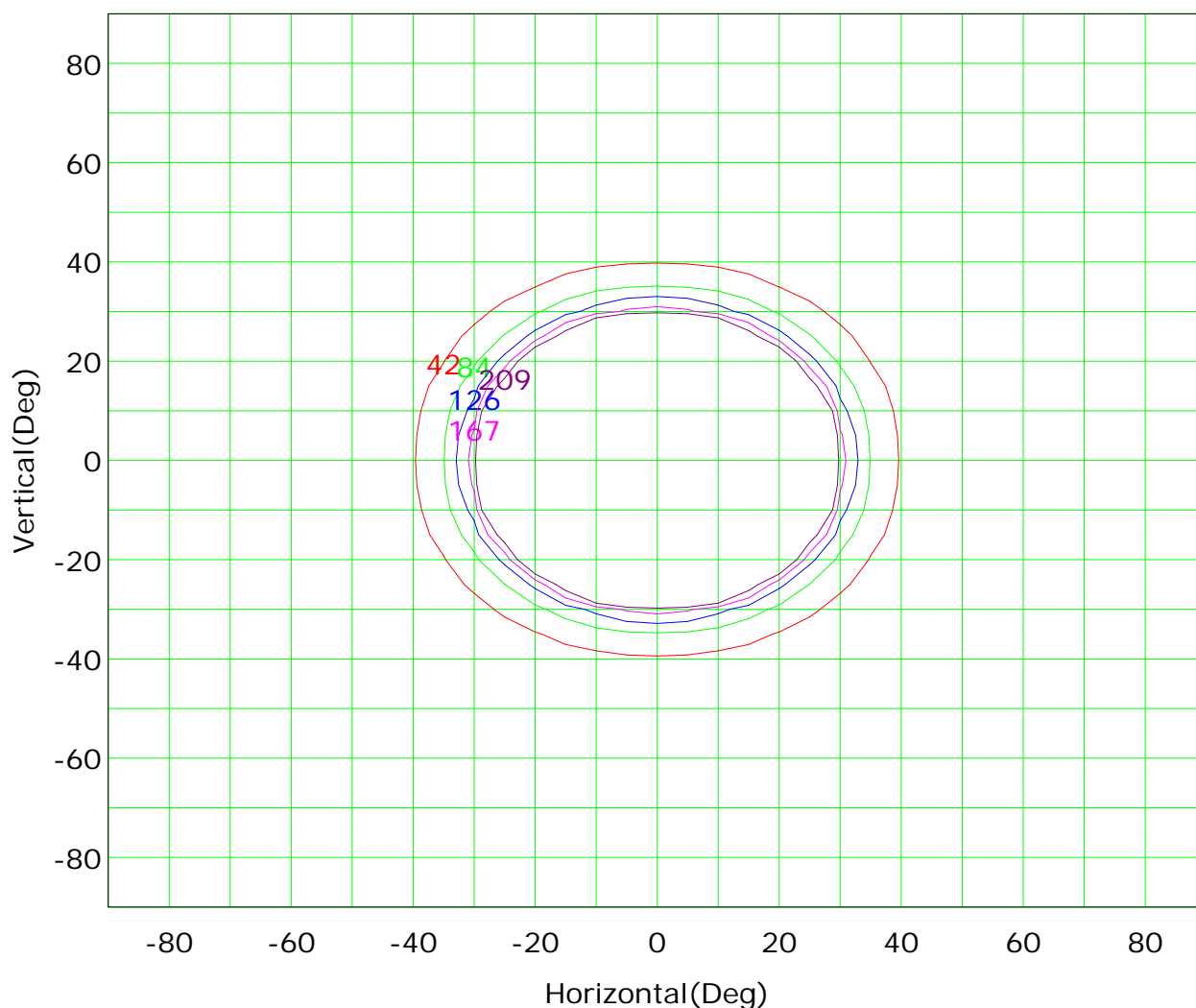
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



I<sub>max</sub> (100%): 4186 cd

— ( 1%): 42 cd  
— ( 3%): 126 cd  
— ( 5%): 209 cd

— ( 2%): 84 cd  
— ( 4%): 167 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%): 465 lx

— ( 1%):	5 lx	— ( 2%):	9 lx
— ( 3%):	14 lx	— ( 4%):	19 lx
— ( 5%):	23 lx	— ( 6%):	28 lx
— ( 7%):	33 lx	— ( 8%):	37 lx
— ( 9%):	42 lx	— (10%):	46 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

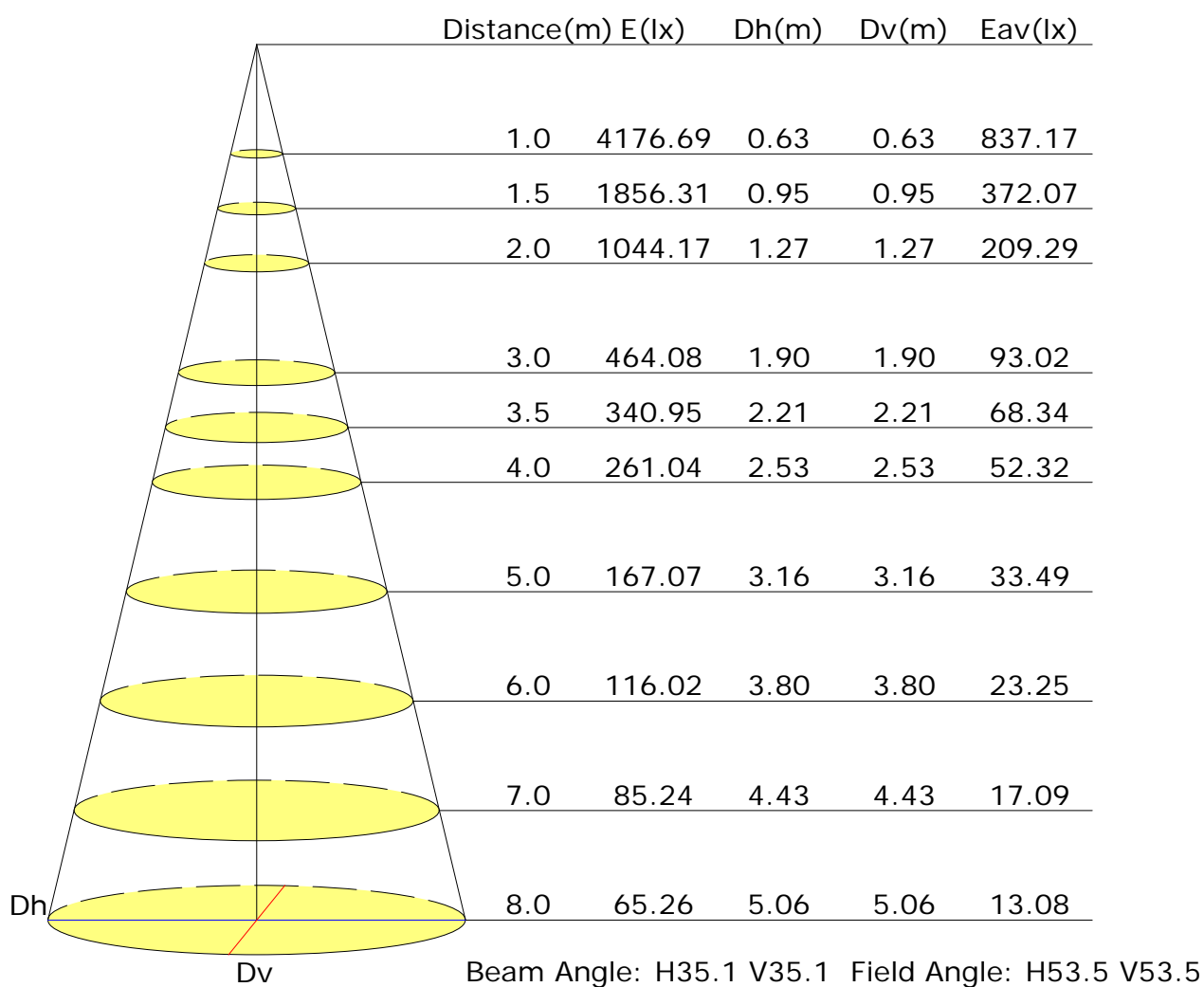
Test Device: CHL-6E

Distance: 3.000 m

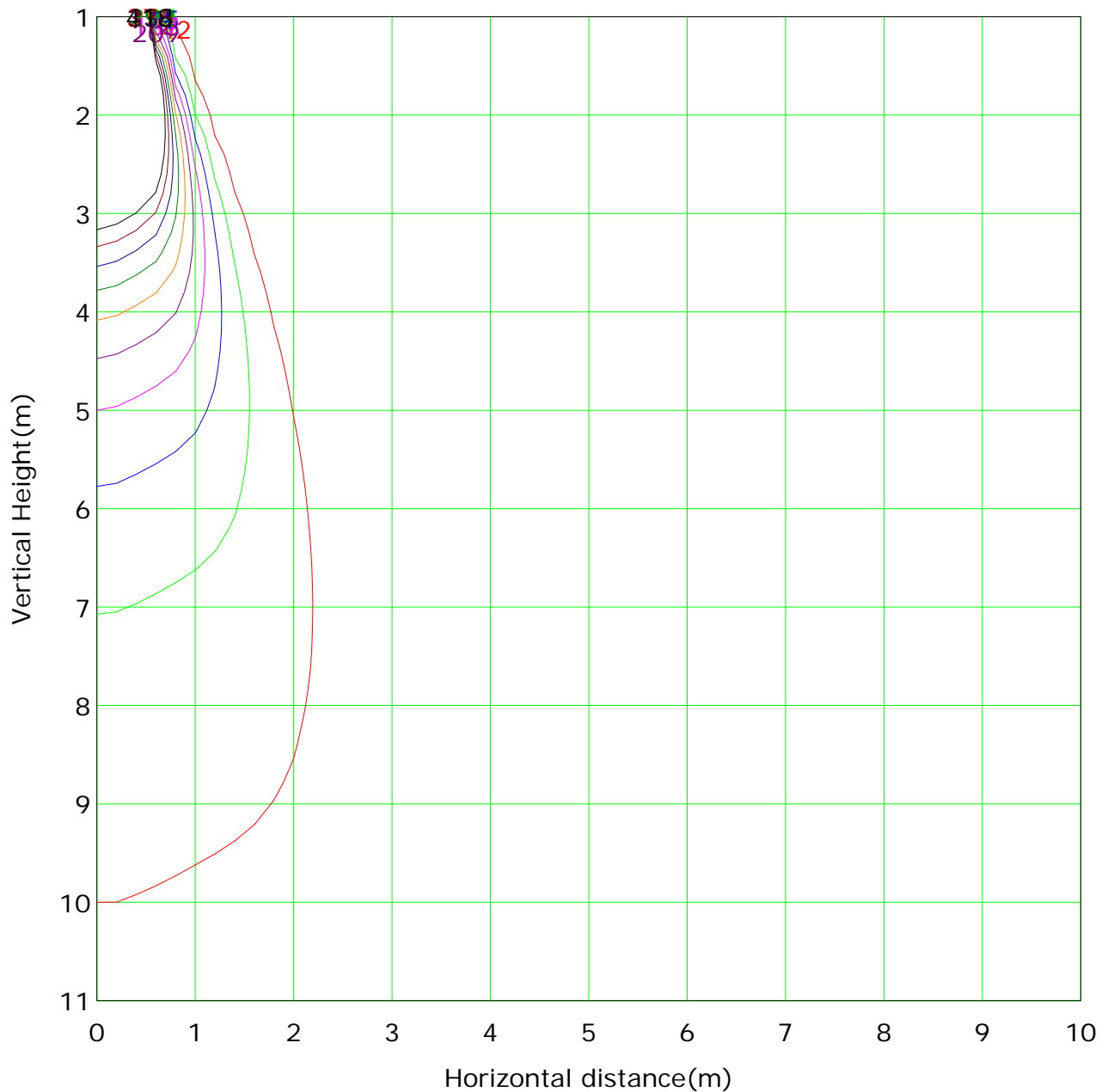
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1m    Highest(m): 11    Max Lux: 4177	
( 1%): 42 lx	( 2%): 84 lx
( 3%): 125 lx	( 4%): 167 lx
( 5%): 209 lx	( 6%): 251 lx
( 7%): 292 lx	( 8%): 334 lx
( 9%): 376 lx	(10%): 418 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

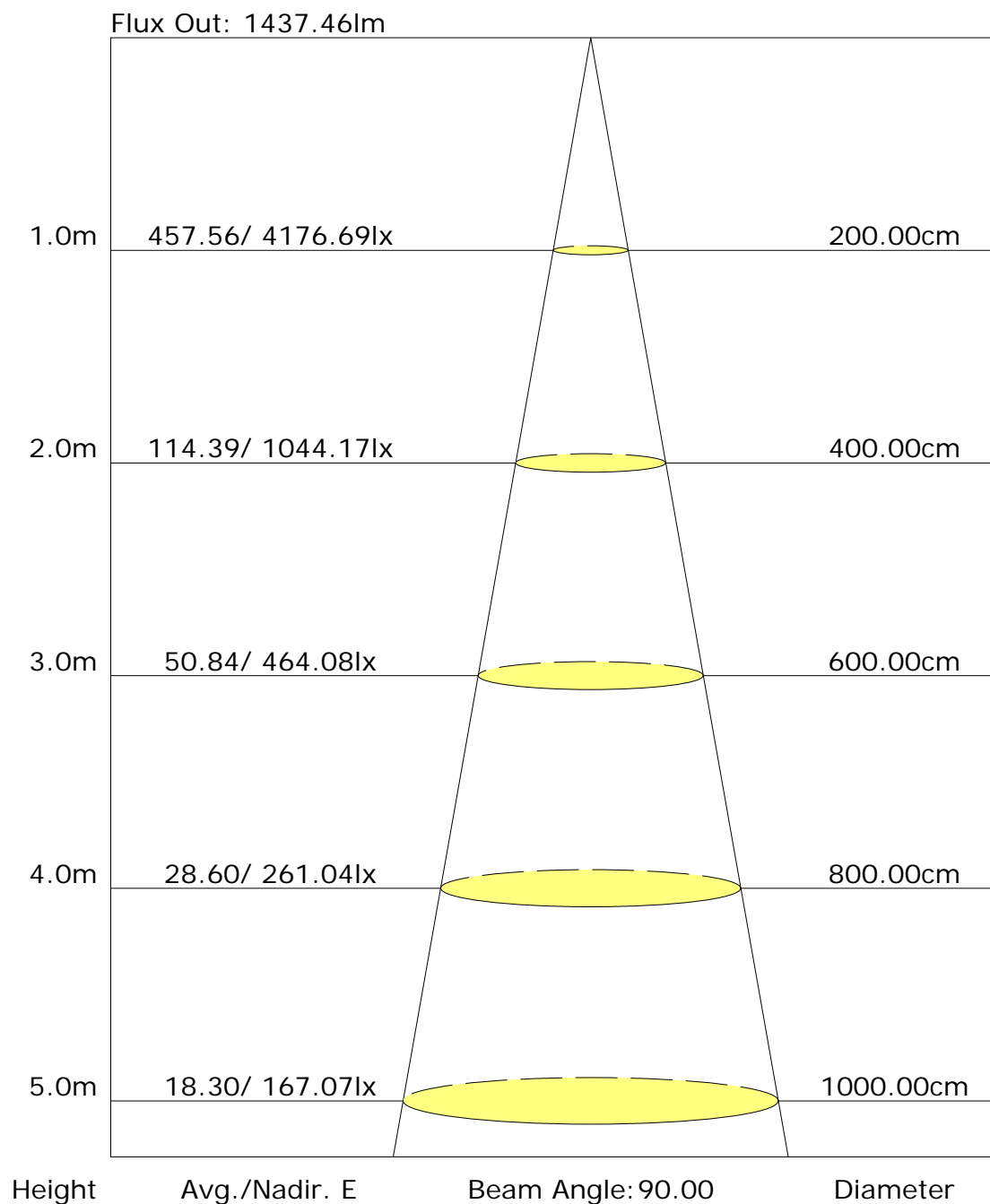
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## The average illuminance effective figure



## Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	4176.7	4176.7								
G1.0	4185.7	4118.9								
G2.0	4132.4	4050.2								
G3.0	4083.6	3953.5								
G4.0	4022.2	3841.4								
G5.0	3964.3	3724.9								
G6.0	3903.8	3620.0								
G7.0	3847.8	3509.8								
G8.0	3785.4	3405.9								
G9.0	3723.1	3297.4								
G10.0	3638.1	3184.5								
G11.0	3534.2	3067.0								
G12.0	3406.8	2933.3								
G13.0	3247.7	2786.0								
G14.0	3046.2	2633.3								
G15.0	2833.0	2457.9								
G16.0	2603.4	2277.2								
G17.0	2350.4	2104.6								
G18.0	2099.2	1923.9								
G19.0	1848.9	1732.3								
G20.0	1598.6	1541.6								
G21.0	1360.0	1345.5								
G22.0	1141.3	1150.3								
G23.0	933.5	974.1								
G24.0	758.2	809.7								
G25.0	607.3	657.9								
G26.0	479.8	523.2								
G27.0	375.0	406.6								
G28.0	292.8	312.7								
G29.0	232.2	238.6								
G30.0	187.1	188.0								
G31.0	155.4	151.8								
G32.0	133.7	123.8								
G33.0	113.9	104.8								
G34.0	98.5	92.2								
G35.0	84.9	78.6								
G36.0	74.1	66.0								

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:



## Candlepower Table (Continue 1)

Unit: cd

GVC	C0.0	C180.0								
G37.0	63.3	57.8								
G38.0	55.1	48.8								
G39.0	46.1	41.6								
G40.0	39.8	37.0								
G41.0	34.3	30.7								
G42.0	28.9	28.9								
G43.0	24.4	23.5								
G44.0	21.7	20.8								
G45.0	19.0	18.1								
G46.0	15.4	15.4								
G47.0	13.6	13.6								
G48.0	11.8	9.9								
G49.0	9.0	9.0								
G50.0	6.3	6.3								
G51.0	6.3	4.5								
G52.0	3.6	2.7								
G53.0	0.9	0.9								
G54.0	0.0	0.0								
G55.0	0.0	0.0								
G56.0	0.0	0.0								
G57.0	0.0	0.0								
G58.0	0.0	0.0								
G59.0	0.0	0.0								
G60.0	0.0	0.0								
G61.0	0.0	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
G64.0	0.0	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	0.0								
G70.0	0.0	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	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: 3.000 m

Humidity:

Inspector:

## Unit: cd

Inspector: