

Report No.: 51.07511 Recessed Downlight    Test Time: 2022-05-28 09:51

## Luminaire Property

Luminaire Category: Bridgelux V10C 3000K CRI90

Voltage: 216.4 V

Current: 0.105 A

Power: 21.20 W

Power Factor: 0.930

## Photometric Results

CIE Class: Direct

Measurement Flux: 1291.4 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 1291.4 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H20.4,H14.9,H10.6,H0

Vertical Diffuse Angle(25%,50%,75%,100%): V20.4,V14.9,V10.6,V0

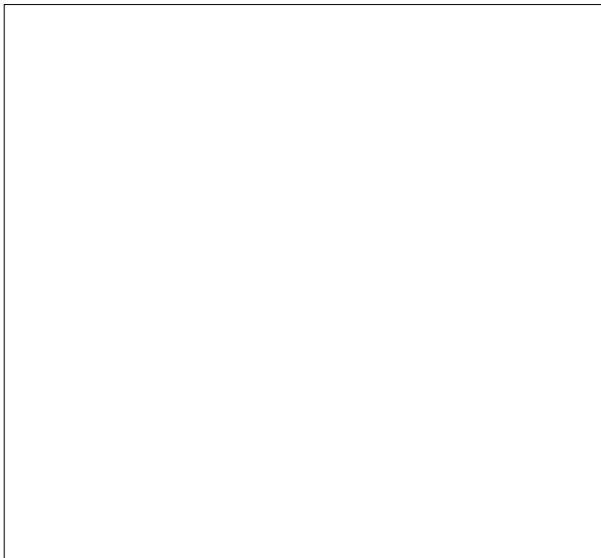
Luminaire Efficacy Rating (LER): 61

Central Intensity: 12920.45 cd

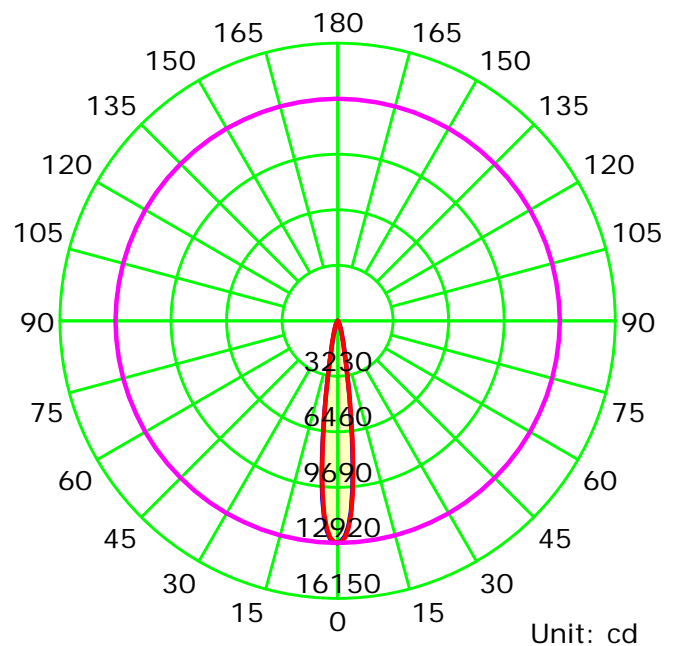
Max. Intensity: 12920.46 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 14.9°

— 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

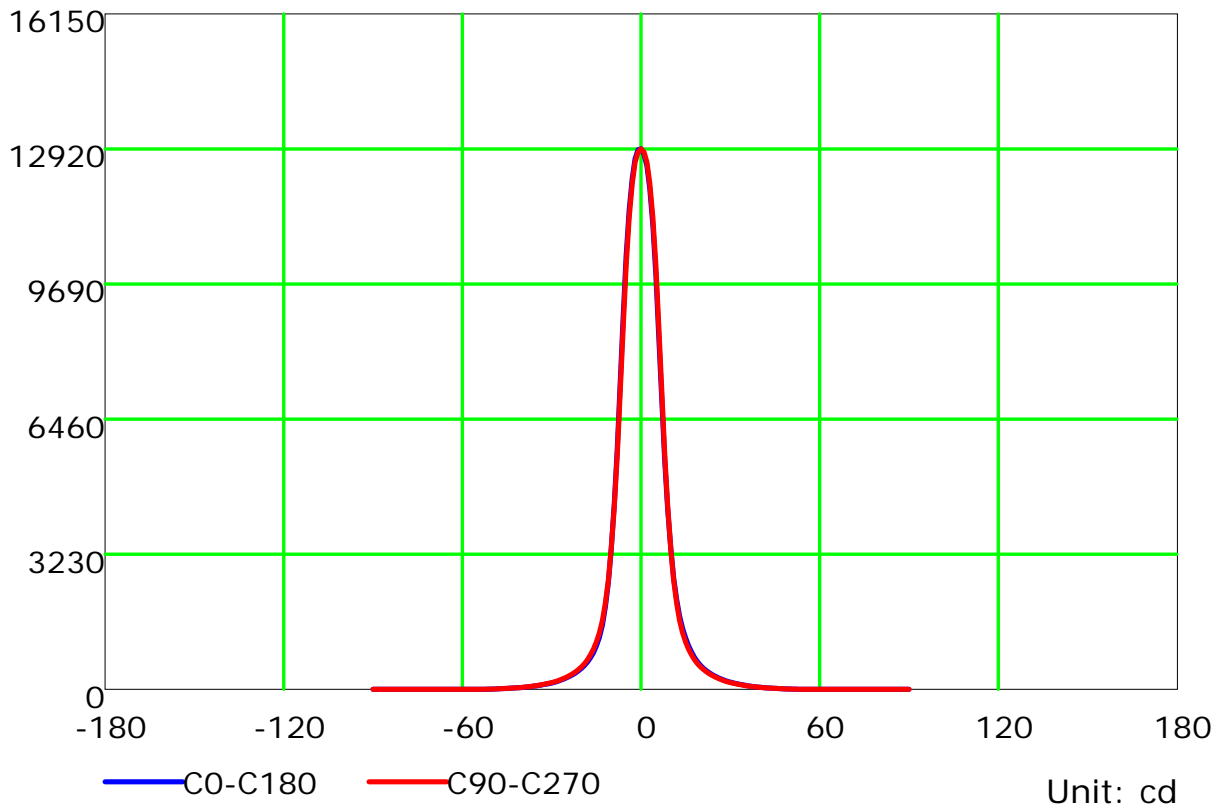
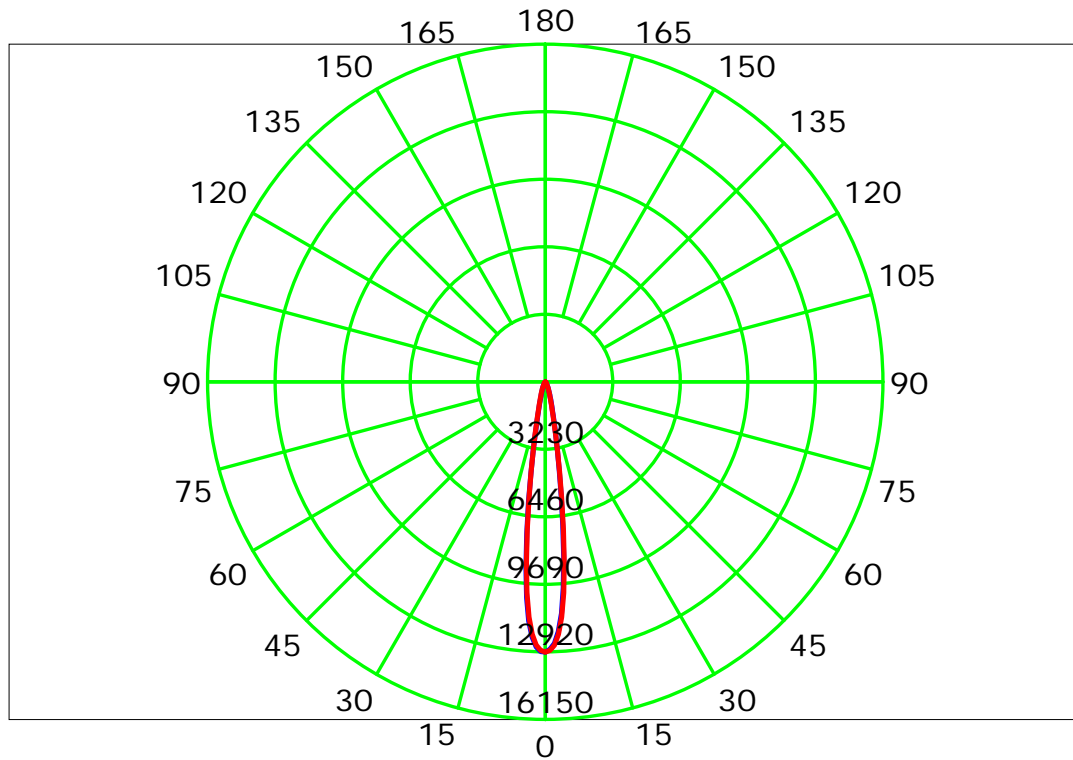
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve

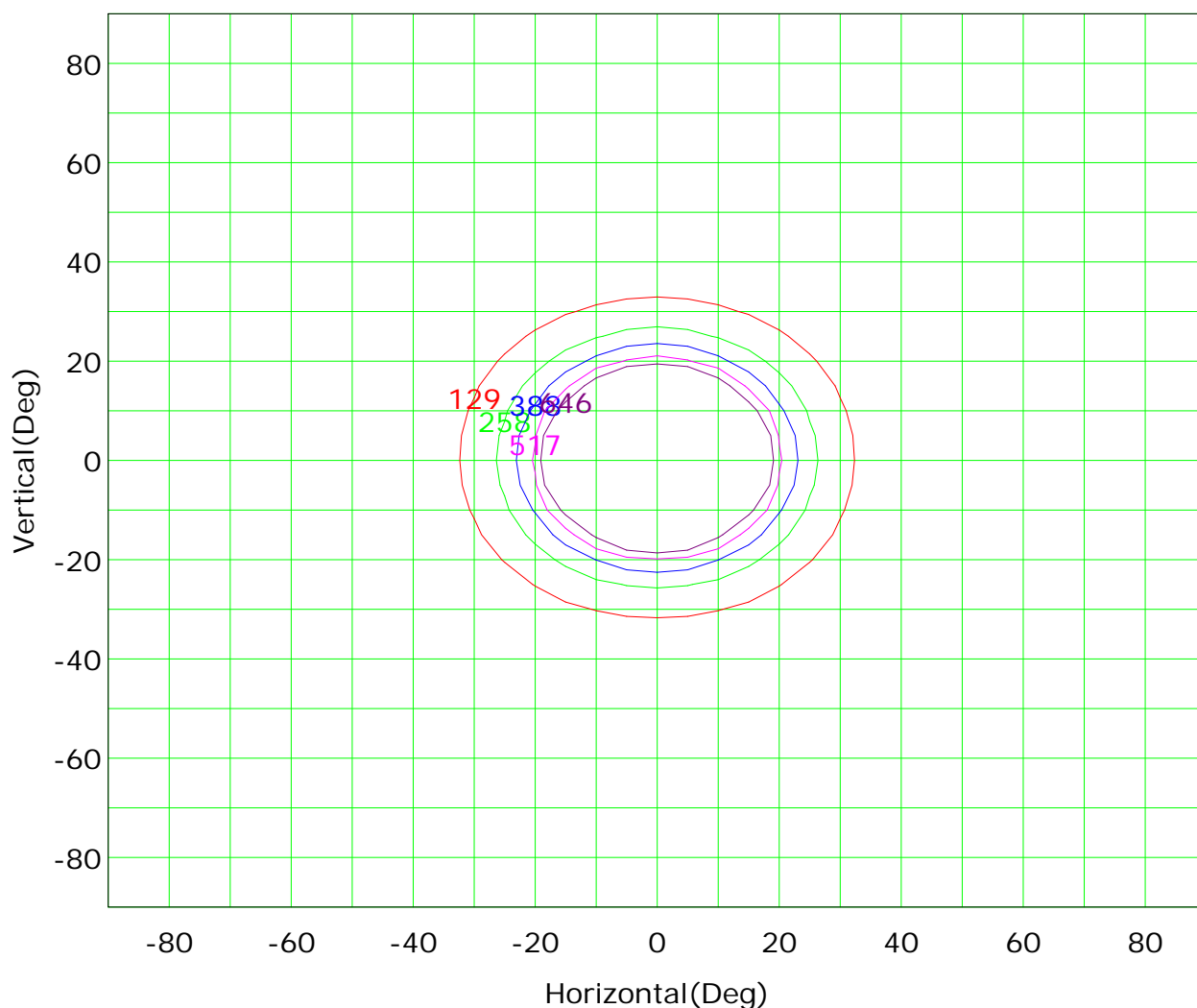


Unit: cd

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%): 12920 cd

( 1%): 129 cd	( 2%): 258 cd
( 3%): 388 cd	( 4%): 517 cd
( 5%): 646 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

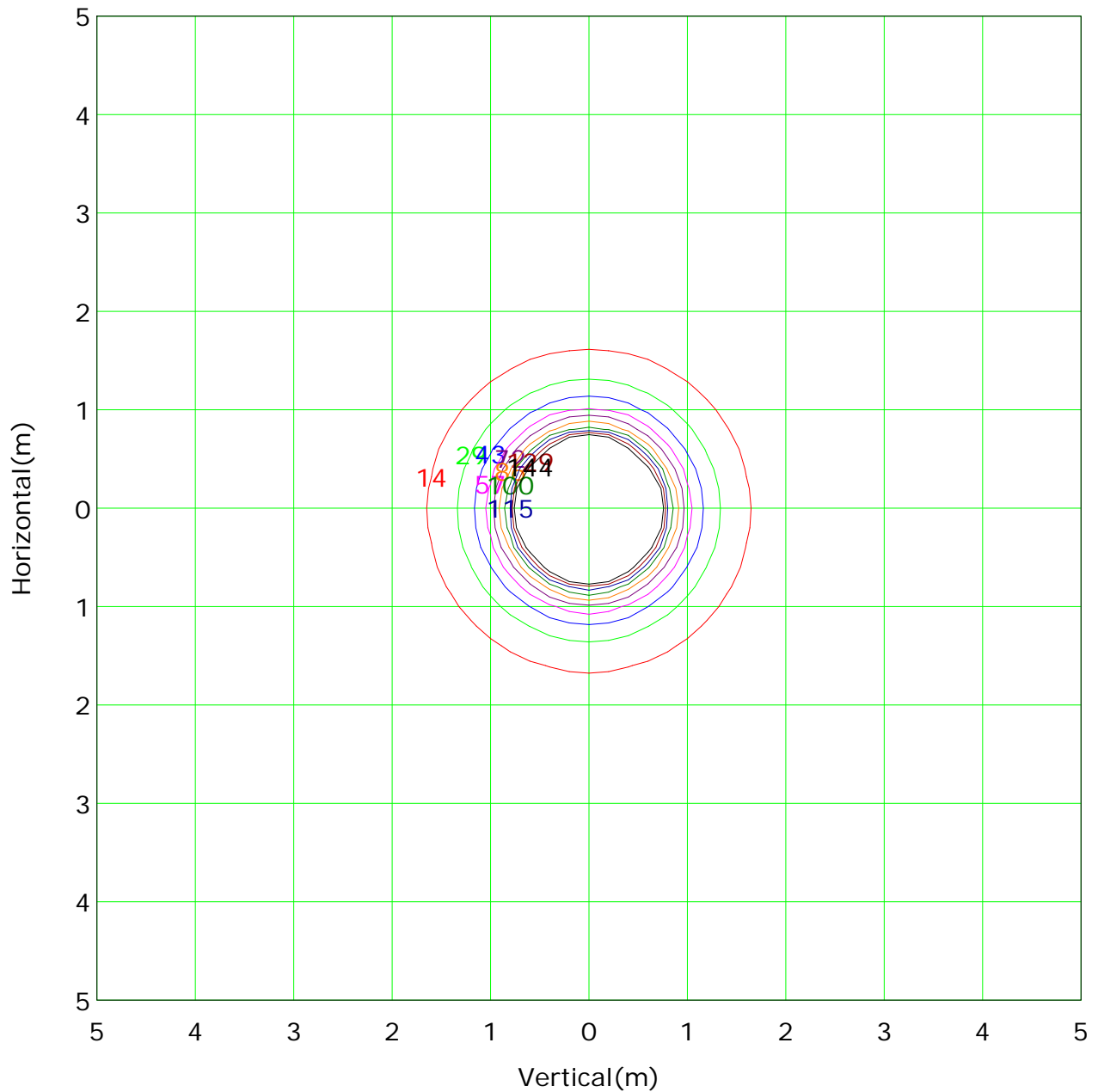
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 1436 lx	
— ( 1%):	14 lx	— ( 2%):	29 lx
— ( 3%):	43 lx	— ( 4%):	57 lx
— ( 5%):	72 lx	— ( 6%):	86 lx
— ( 7%):	100 lx	— ( 8%):	115 lx
— ( 9%):	129 lx	— (10%):	144 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

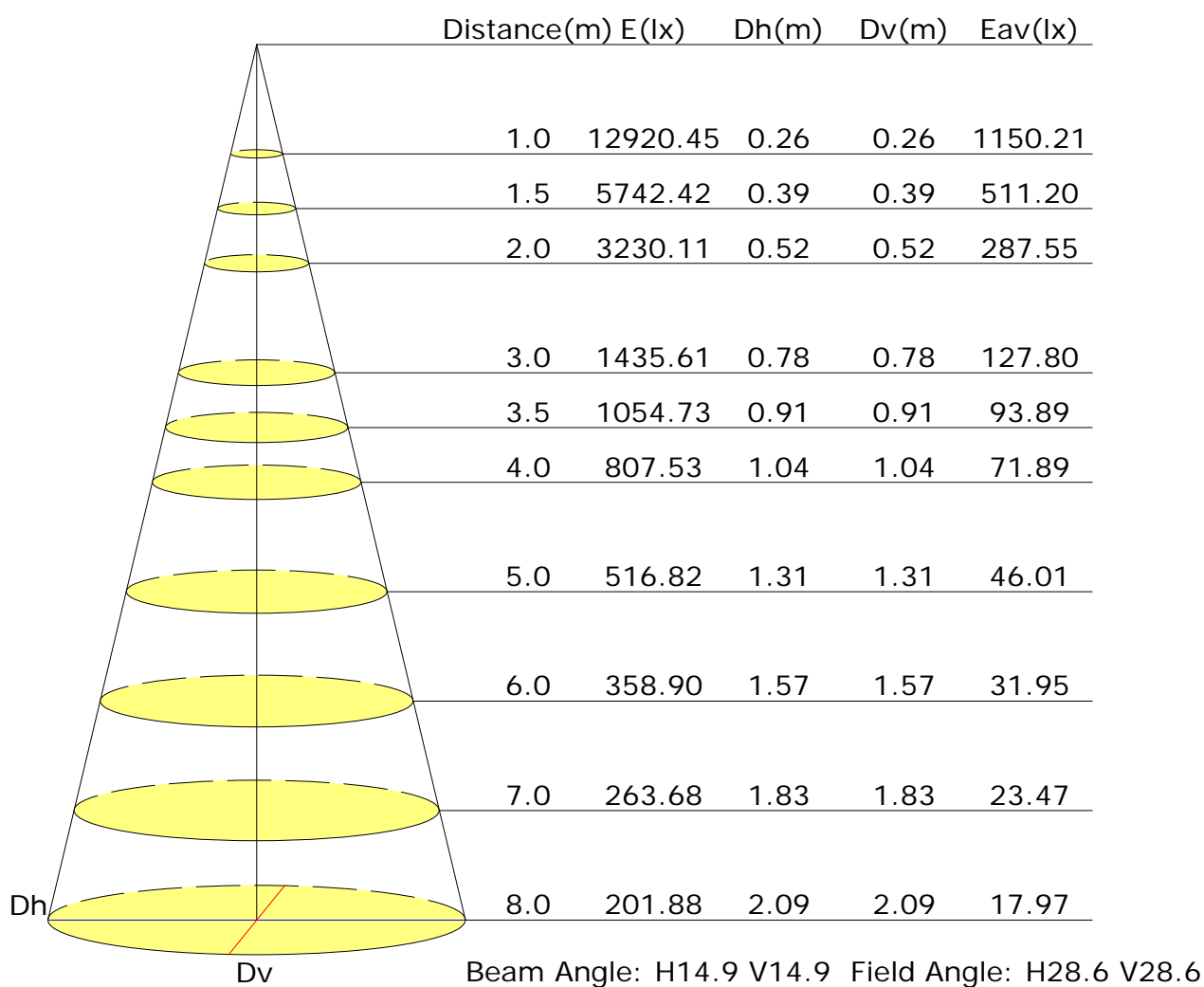
Test Device: CHL-6E

Distance: 3.000 m

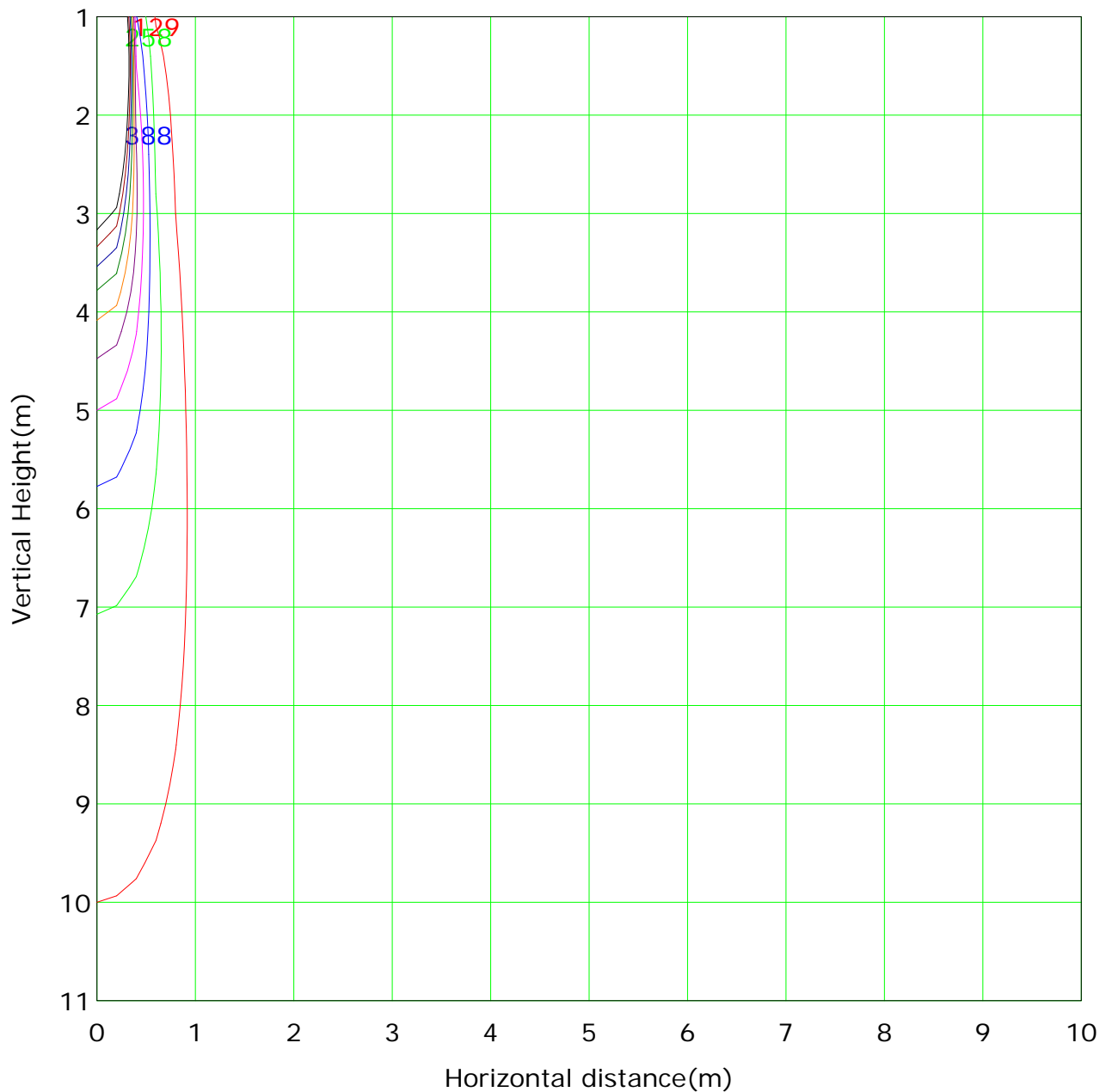
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1m    Highest(m): 11    Max Lux: 12920	
( 1%): 129 lx	( 2%): 258 lx
( 3%): 388 lx	( 4%): 517 lx
( 5%): 646 lx	( 6%): 775 lx
( 7%): 904 lx	( 8%): 1034 lx
( 9%): 1163 lx	( 10%): 1292 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

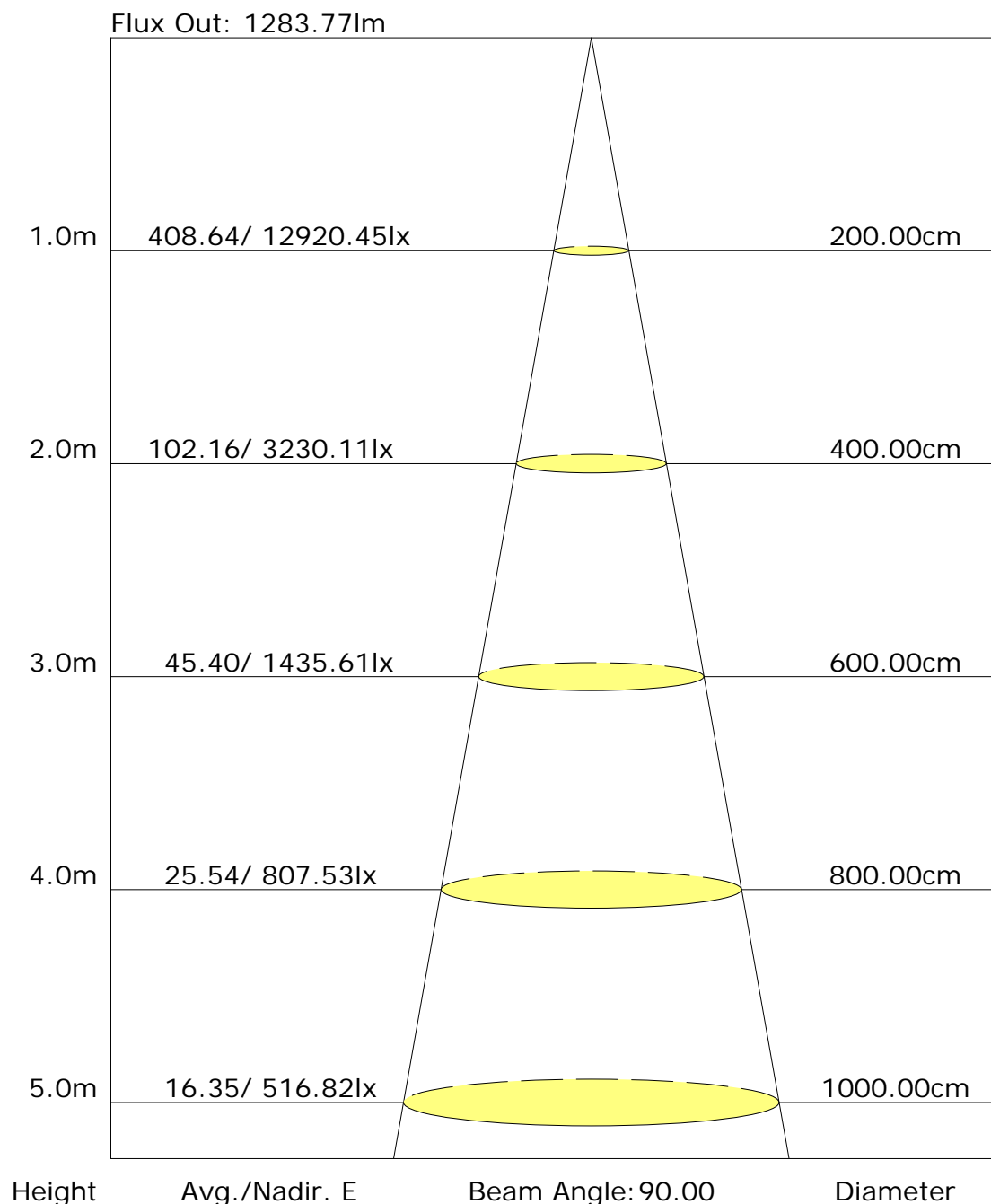
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## The average illuminance effective figure



## Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	12920.5	12920.5								
G1.0	12797.5	12906.0								
G2.0	12519.2	12689.1								
G3.0	11968.0	12212.0								
G4.0	11104.1	11458.3								
G5.0	9903.2	10354.1								
G6.0	8438.3	8932.6								
G7.0	6908.4	7327.7								
G8.0	5482.5	5777.1								
G9.0	4287.8	4433.3								
G10.0	3367.9	3363.4								
G11.0	2662.2	2553.7								
G12.0	2142.6	1965.4								
G13.0	1752.2	1541.6								
G14.0	1454.0	1246.1								
G15.0	1227.2	1038.3								
G16.0	1043.7	879.3								
G17.0	891.0	756.4								
G18.0	765.4	655.2								
G19.0	658.8	571.1								
G20.0	572.9	503.3								
G21.0	504.2	445.5								
G22.0	447.3	394.0								
G23.0	394.9	351.5								
G24.0	351.5	311.8								
G25.0	311.8	276.5								
G26.0	276.5	245.8								
G27.0	245.8	218.7								
G28.0	218.7	194.3								
G29.0	193.4	169.9								
G30.0	173.5	151.8								
G31.0	155.4	137.4								
G32.0	141.0	123.8								
G33.0	125.6	111.2								
G34.0	111.2	97.6								
G35.0	97.6	85.8								
G36.0	84.0	77.7								

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	74.1	66.0								
G38.0	65.1	58.7								
G39.0	56.0	51.5								
G40.0	50.6	45.2								
G41.0	44.3	39.8								
G42.0	38.0	35.2								
G43.0	34.3	30.7								
G44.0	28.9	27.1								
G45.0	24.4	21.7								
G46.0	20.8	19.9								
G47.0	17.2	16.3								
G48.0	13.6	11.8								
G49.0	9.9	9.0								
G50.0	9.0	7.2								
G51.0	7.2	6.3								
G52.0	4.5	3.6								
G53.0	2.7	2.7								
G54.0	0.9	0.9								
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: