

Report No.: 51.07512 Recessed Downlight    Test Time: 2022-05-28 09:45

## Luminaire Property

Luminaire Category: Bridgelux V10C 3000K CRI90

Voltage: 214.3 V

Current: 0.125 A

Power: 26.00 W

Power Factor: 0.963

## Photometric Results

CIE Class: Direct

Measurement Flux: 1638 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 1638.0 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H33.8,H25.7,H17.5,H0

Vertical Diffuse Angle(25%,50%,75%,100%): V33.8,V25.7,V17.5,V0

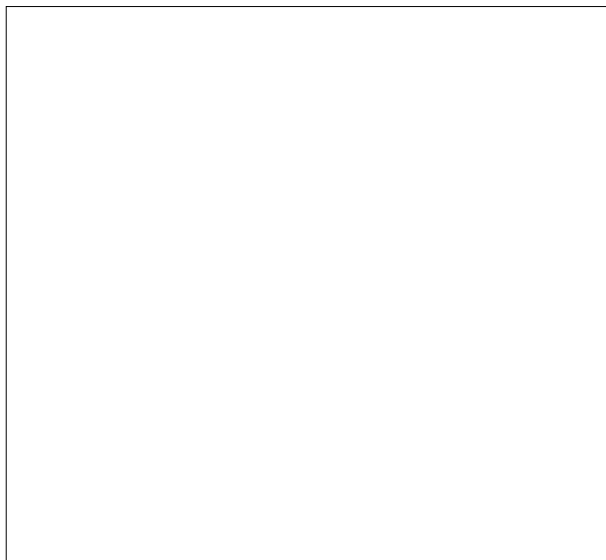
Luminaire Efficacy Rating (LER): 63

Central Intensity: 8066.02 cd

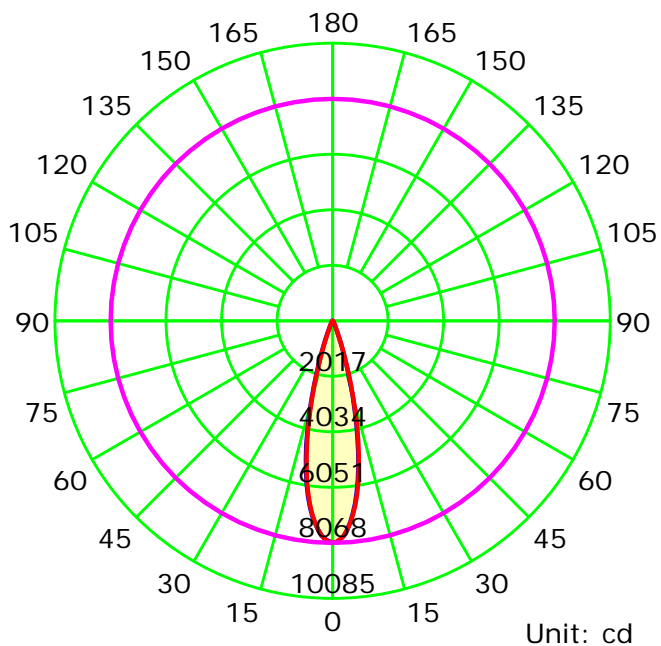
Max. Intensity: 8066.03 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 25.7°

— 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

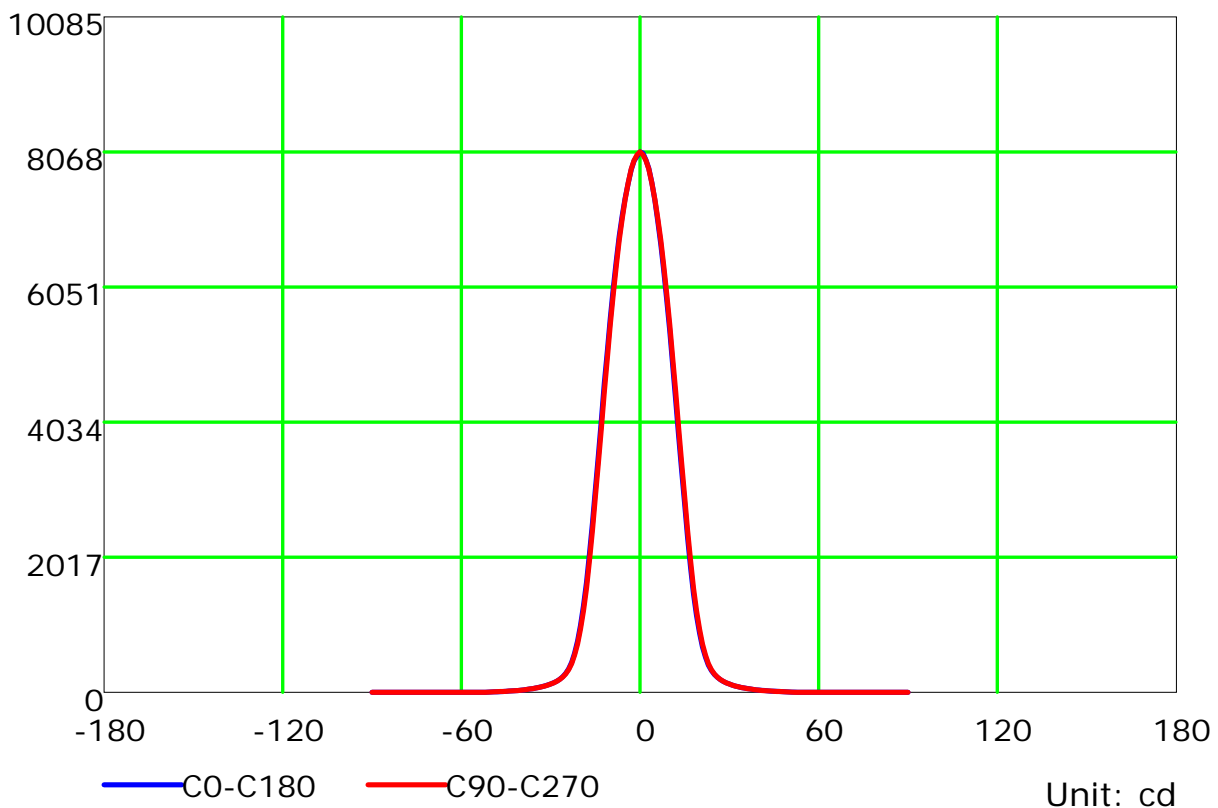
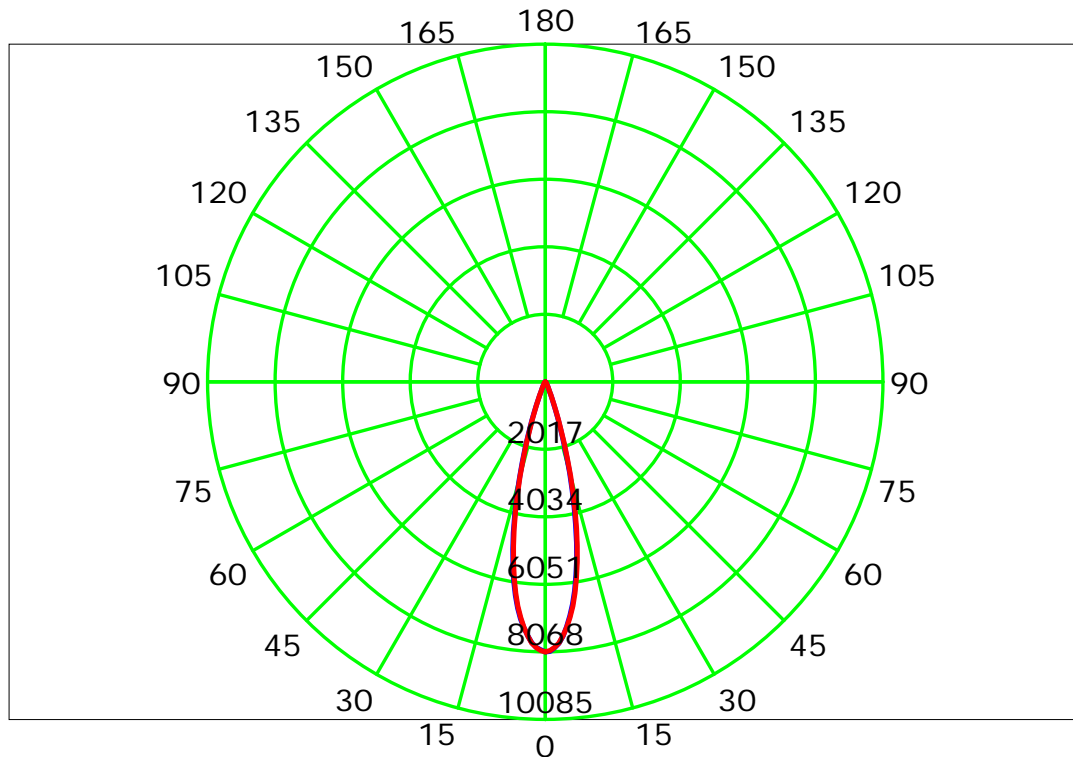
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

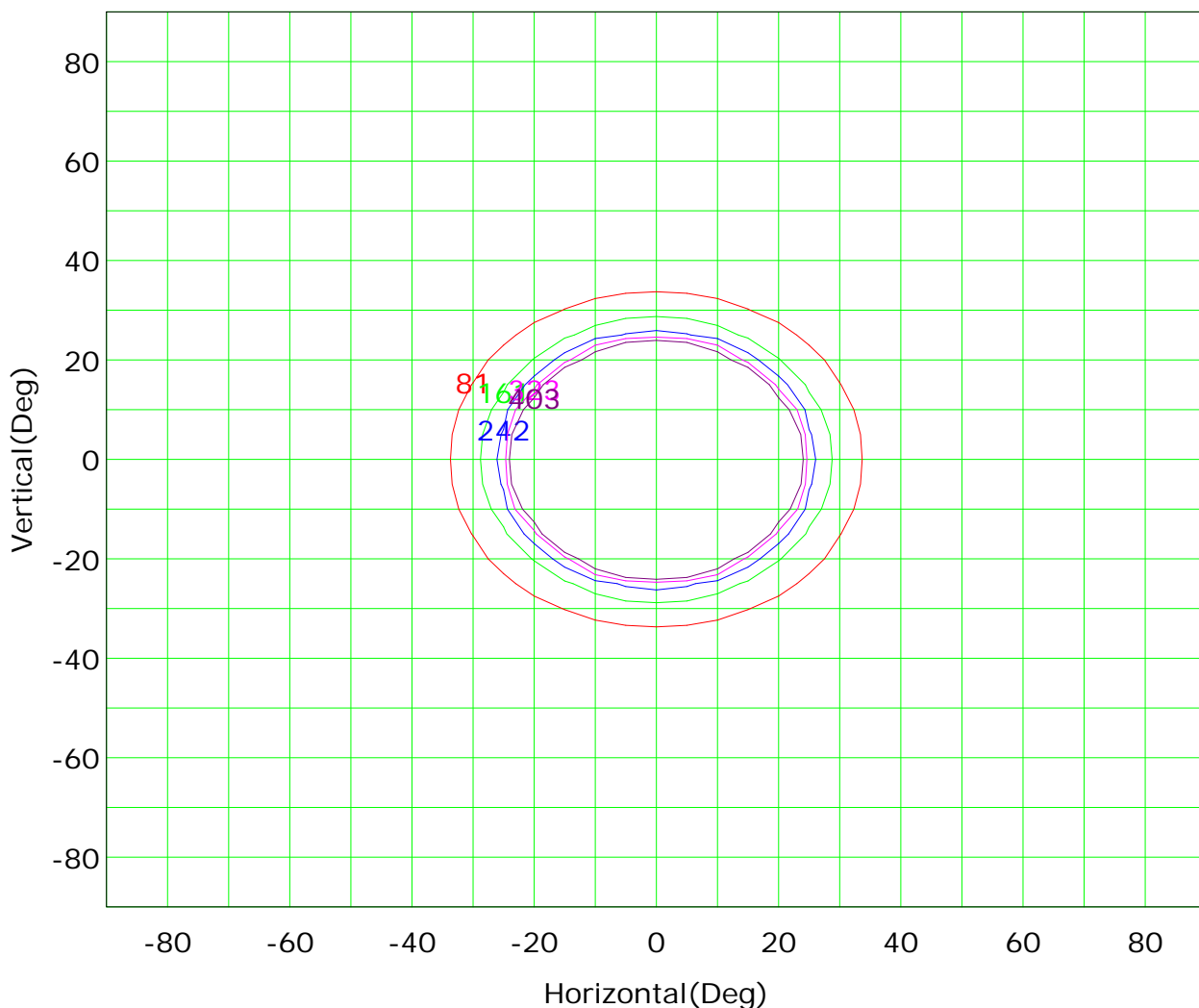
## Luminous Intensity Distribution Curve



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%): 8066 cd

( 1%):	81 cd	( 2%):	161 cd
( 3%):	242 cd	( 4%):	323 cd
( 5%):	403 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

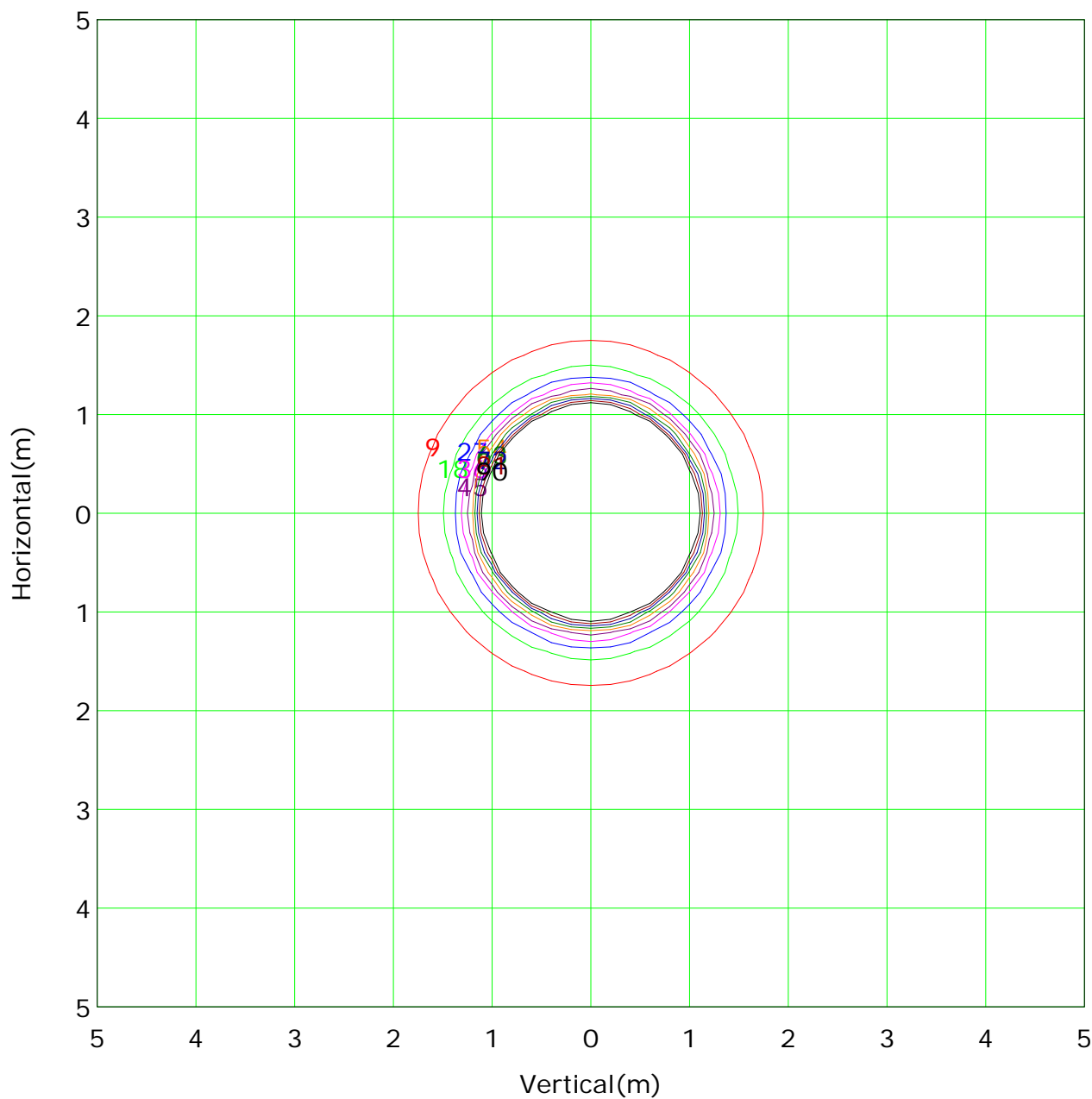
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 3m Max Lux(100%): 896 lx

— ( 1%): 9 lx	— ( 2%): 18 lx
— ( 3%): 27 lx	— ( 4%): 36 lx
— ( 5%): 45 lx	— ( 6%): 54 lx
— ( 7%): 63 lx	— ( 8%): 72 lx
— ( 9%): 81 lx	— (10%): 90 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

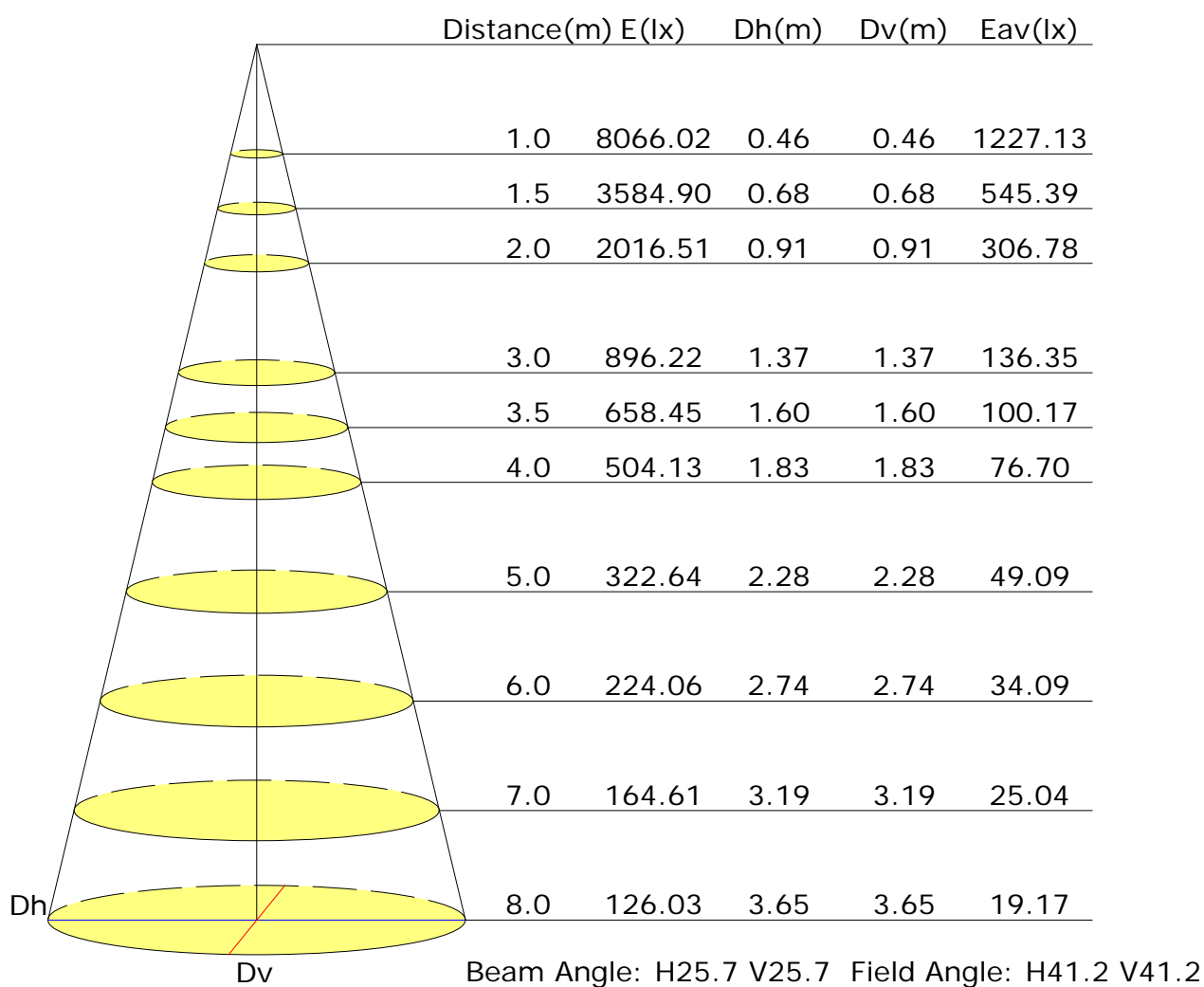
Test Device: CHL-6E

Distance: 3.000 m

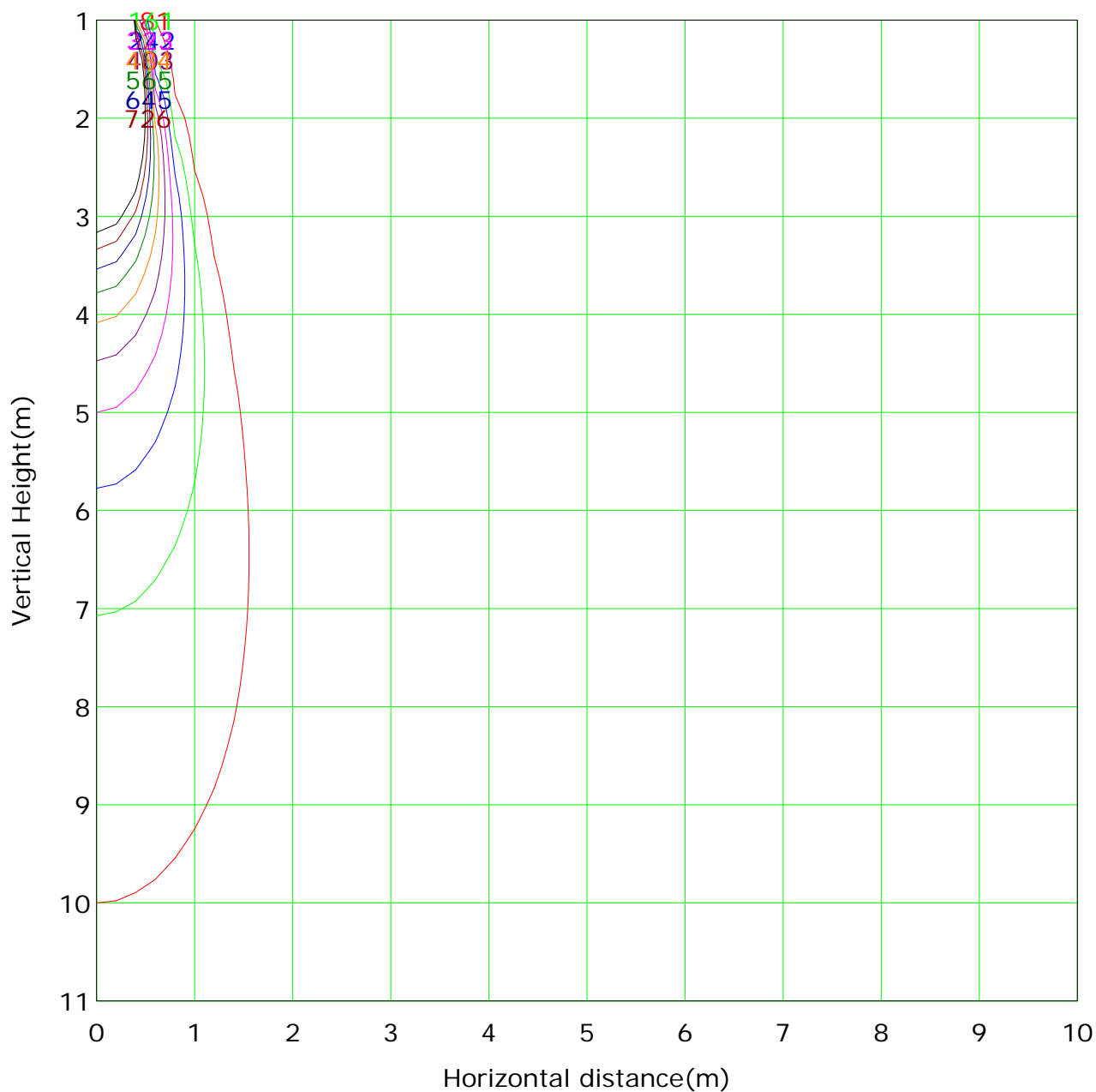
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1m		Highest(m): 11		Max Lux: 8066	
( 1%):	81 lx	( 2%):	161 lx	( 4%):	323 lx
( 3%):	242 lx	( 6%):	484 lx	( 8%):	645 lx
( 5%):	403 lx	( 10%):	807 lx		
( 7%):	565 lx				
( 9%):	726 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

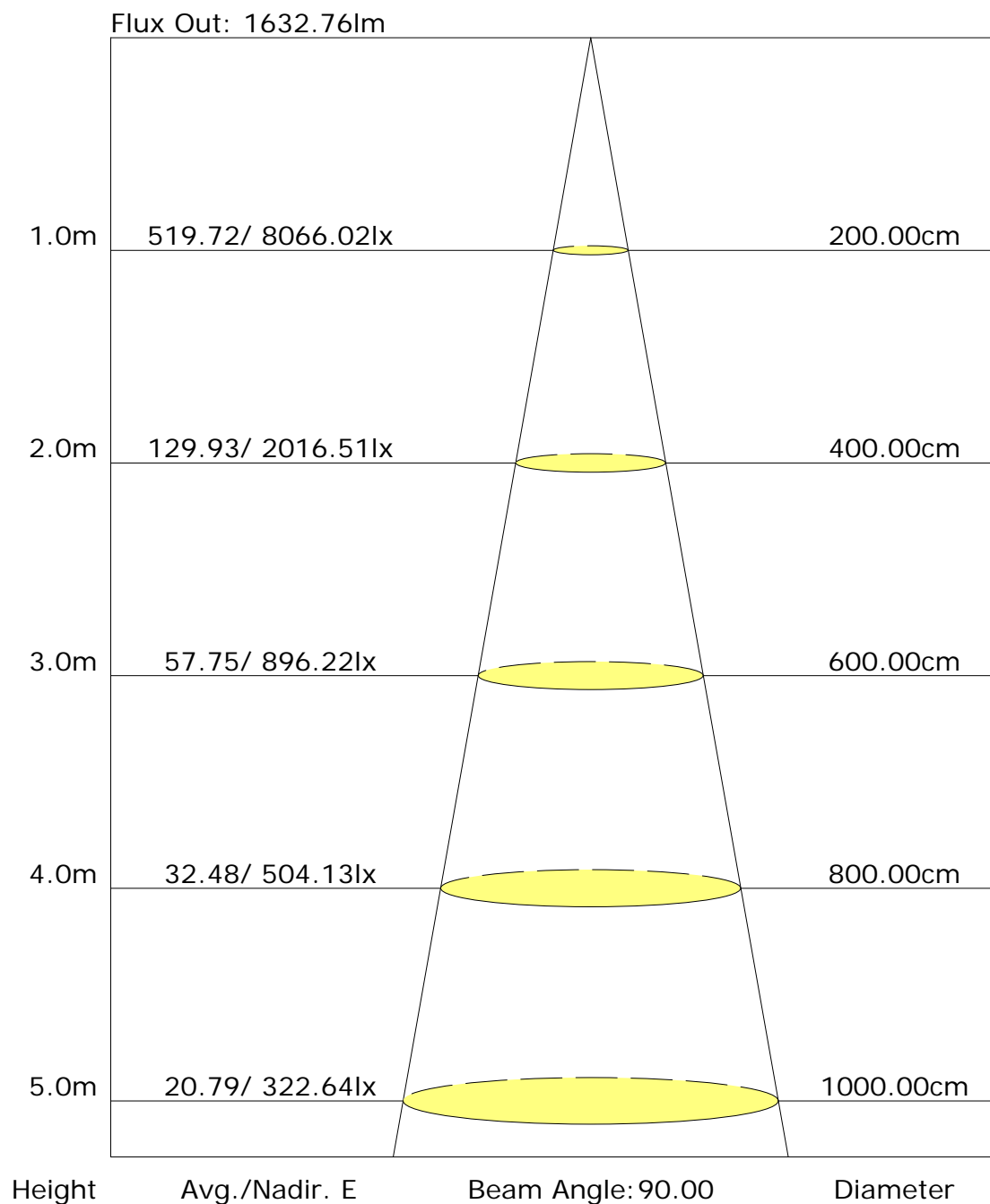
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## The average illuminance effective figure



## Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	8066.0	8066.0								
G1.0	8050.7	8004.6								
G2.0	7946.7	7935.9								
G3.0	7821.1	7803.0								
G4.0	7609.7	7599.7								
G5.0	7342.2	7373.8								
G6.0	7035.0	7118.1								
G7.0	6689.8	6807.2								
G8.0	6303.0	6444.0								
G9.0	5860.2	6031.9								
G10.0	5395.7	5574.6								
G11.0	4889.7	5094.8								
G12.0	4359.2	4614.1								
G13.0	3837.8	4074.6								
G14.0	3314.6	3539.6								
G15.0	2812.2	3023.6								
G16.0	2317.9	2525.7								
G17.0	1862.4	2061.2								
G18.0	1474.8	1644.7								
G19.0	1147.6	1293.1								
G20.0	888.3	994.9								
G21.0	679.5	765.4								
G22.0	525.9	582.9								
G23.0	408.5	448.2								
G24.0	327.1	350.6								
G25.0	267.5	281.0								
G26.0	225.0	232.2								
G27.0	190.7	195.2								
G28.0	164.5	167.2								
G29.0	141.9	144.6								
G30.0	124.7	125.6								
G31.0	108.4	110.3								
G32.0	94.9	95.8								
G33.0	84.9	84.9								
G34.0	73.2	74.1								
G35.0	65.1	65.1								
G36.0	57.8	56.0								

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	50.6	50.6								
G38.0	43.4	43.4								
G39.0	38.0	37.0								
G40.0	34.3	32.5								
G41.0	28.9	28.0								
G42.0	27.1	24.4								
G43.0	21.7	21.7								
G44.0	19.0	19.9								
G45.0	17.2	16.3								
G46.0	14.5	13.6								
G47.0	13.6	11.8								
G48.0	10.8	9.0								
G49.0	7.2	7.2								
G50.0	6.3	6.3								
G51.0	4.5	3.6								
G52.0	2.7	0.9								
G53.0	0.9	0.0								
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:

## Candlepower Table (Continue 2)

Unit: cd

[illegible]

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: