

Report No.: 51.07513 Recessed Downlight    Test Time: 2022-05-27 19:51

## Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Voltage: 223.6 V

Current: 0.150 A

Power: 32.40 W

Power Factor: 0.964

## Photometric Results

CIE Class: Direct

Measurement Flux: 1966.6 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 1966.6 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H27.7,H19.5,H14,H0

Vertical Diffuse Angle(25%,50%,75%,100%): V27.7,V19.5,V14,V0

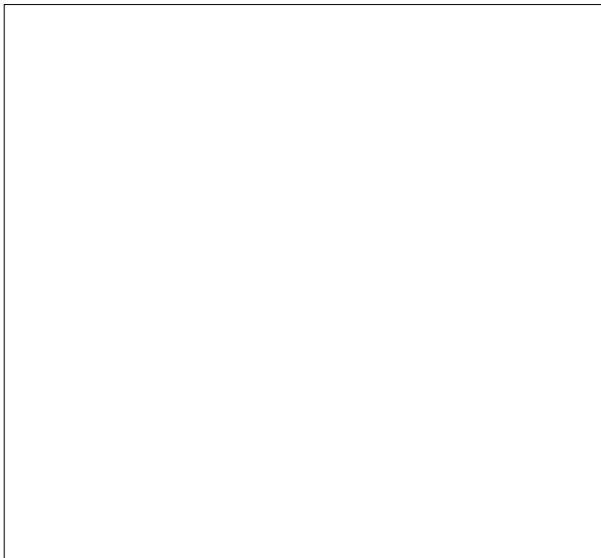
Luminaire Efficacy Rating (LER): 61

Central Intensity: 12100.83 cd

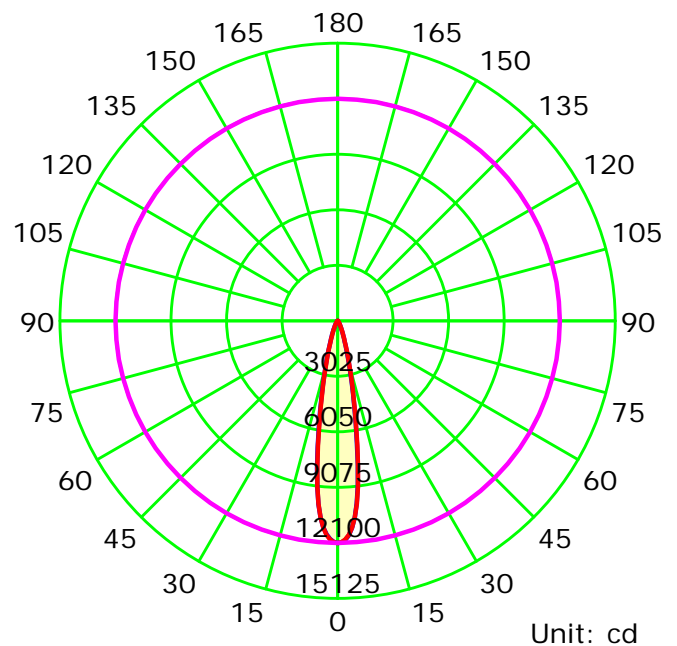
Max. Intensity: 12100.84 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 19.5°

— 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

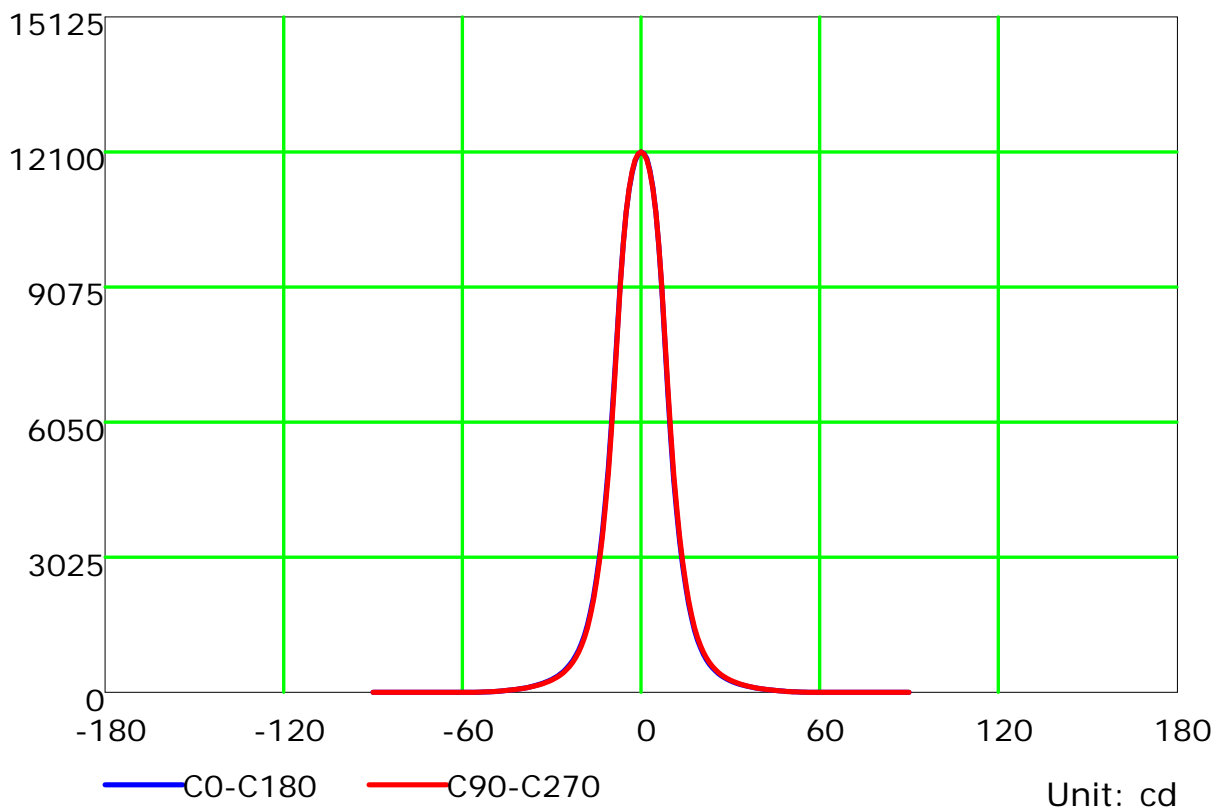
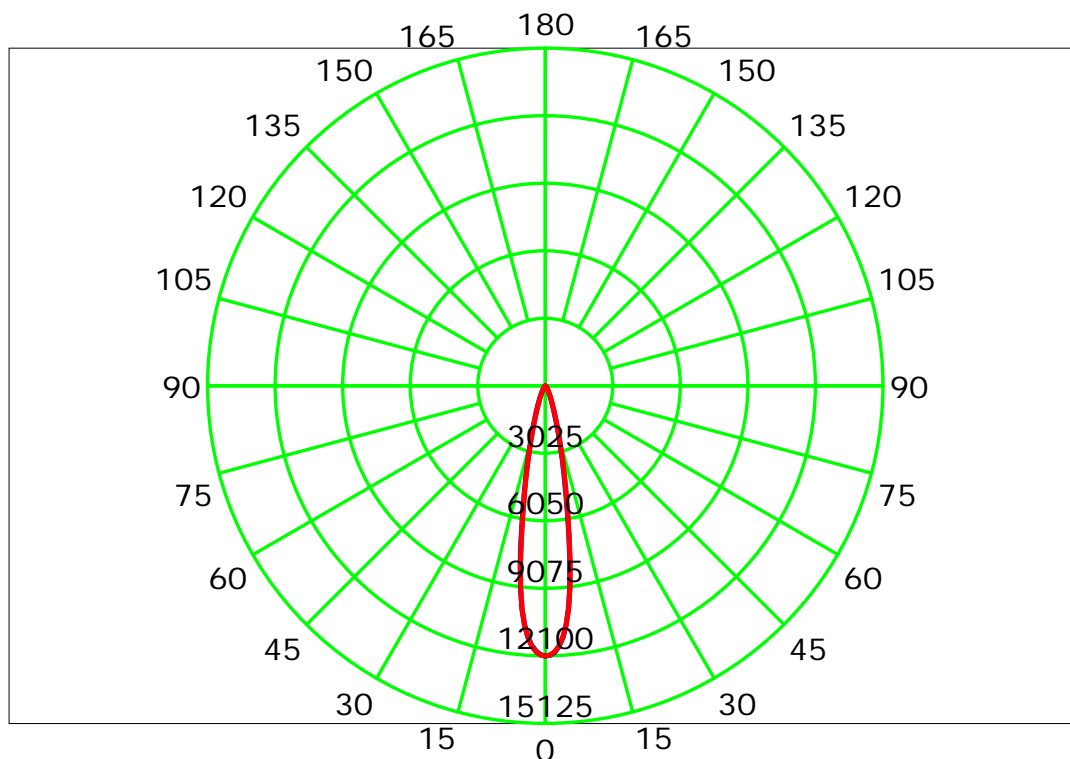
Test Device: CHL-6E

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

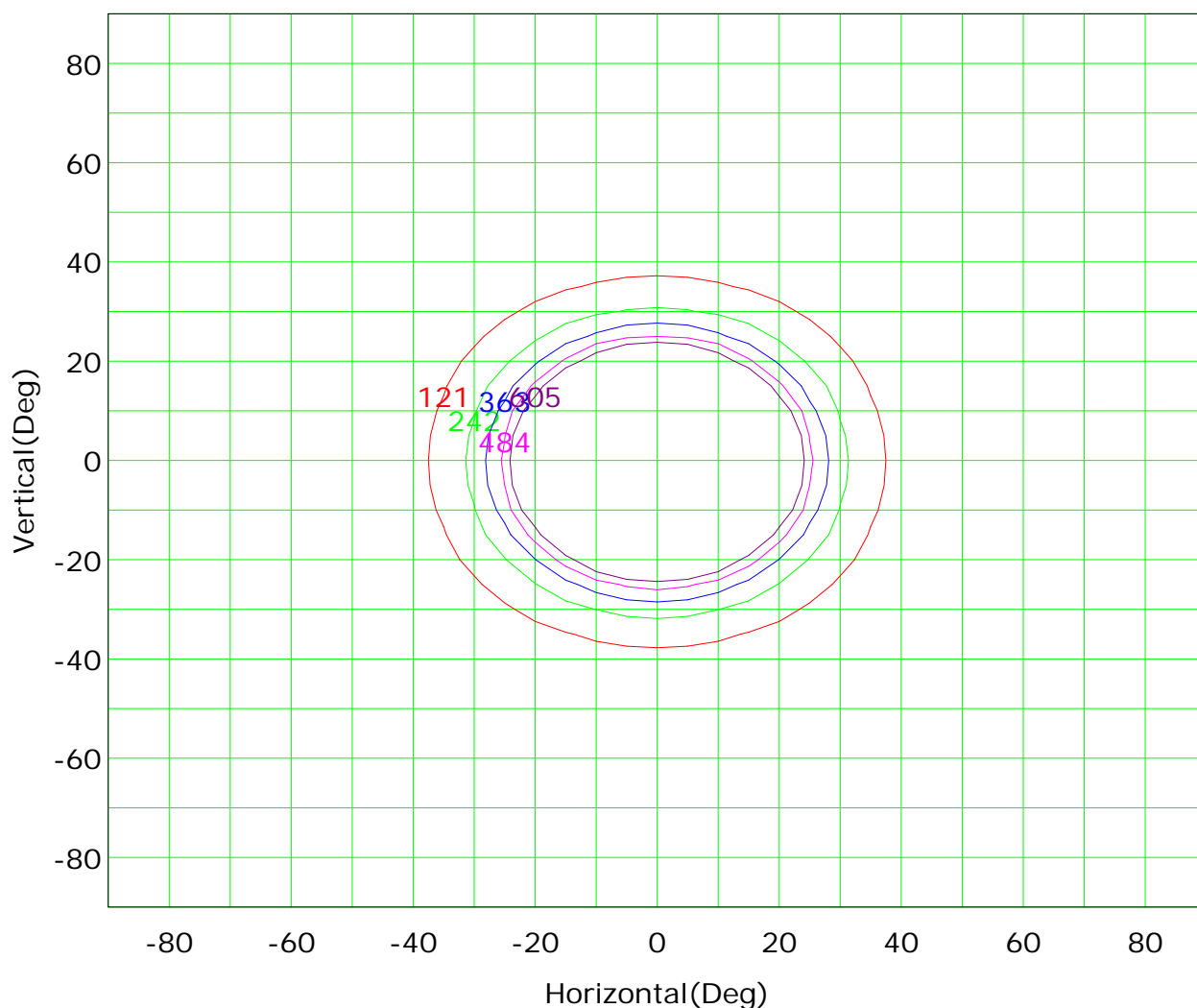
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 12101 cd

( 1%): 121 cd	( 2%): 242 cd
( 3%): 363 cd	( 4%): 484 cd
( 5%): 605 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

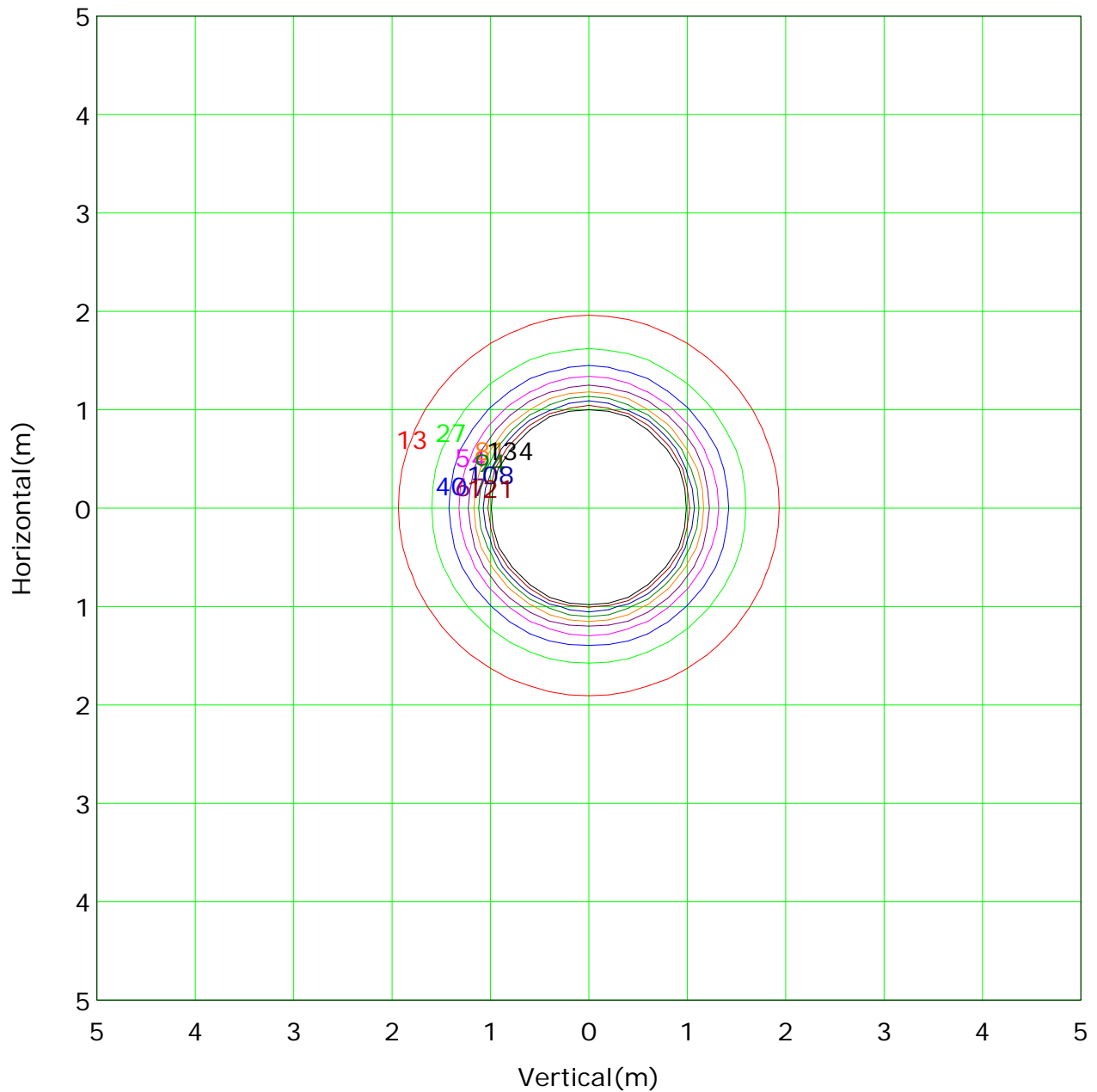
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 1345 lx	
— ( 1%):	13 lx	— ( 2%):	27 lx
— ( 3%):	40 lx	— ( 4%):	54 lx
— ( 5%):	67 lx	— ( 6%):	81 lx
— ( 7%):	94 lx	— ( 8%):	108 lx
— ( 9%):	121 lx	— (10%):	134 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

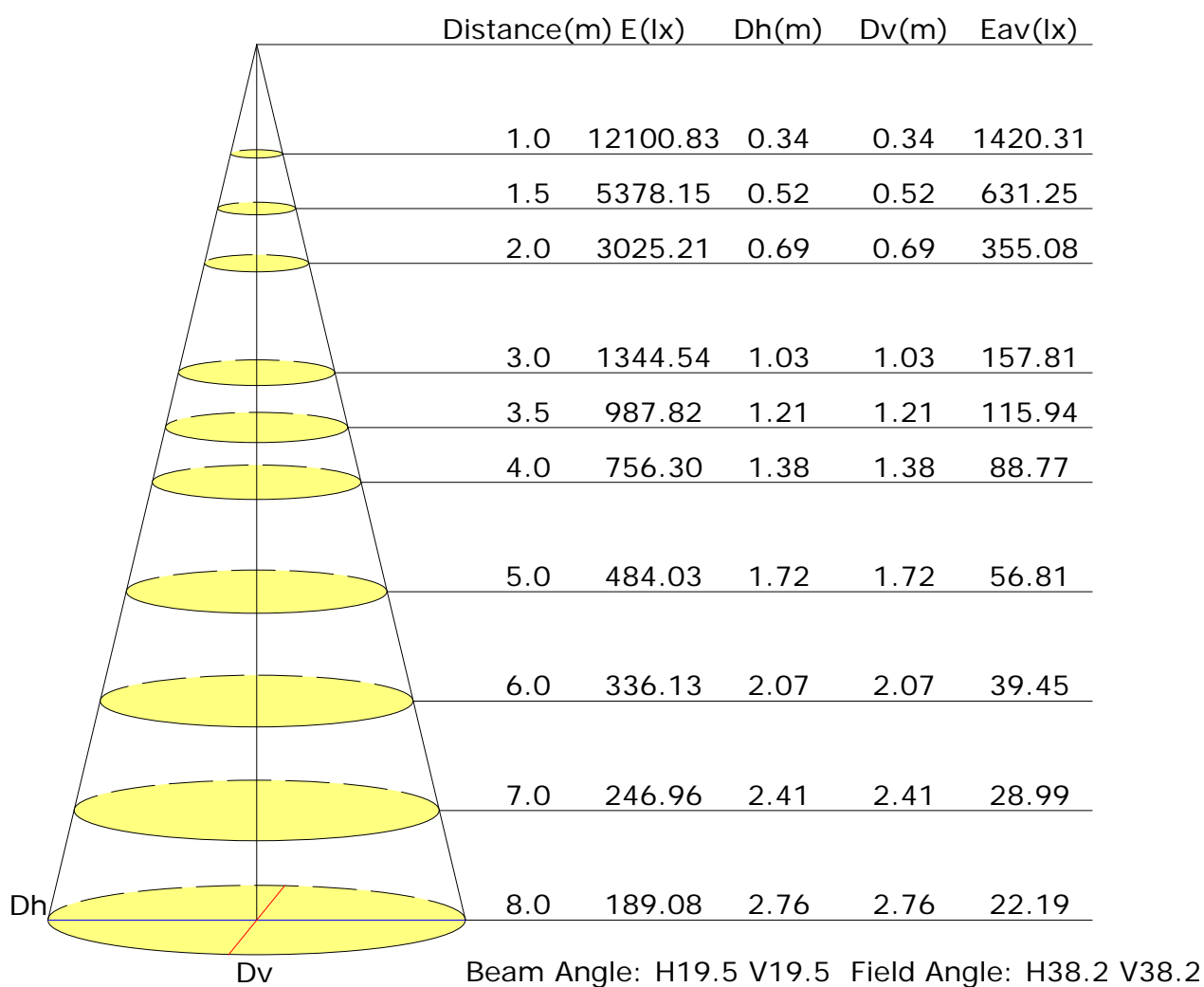
Test Device: CHL-6E

Distance: 3.000 m

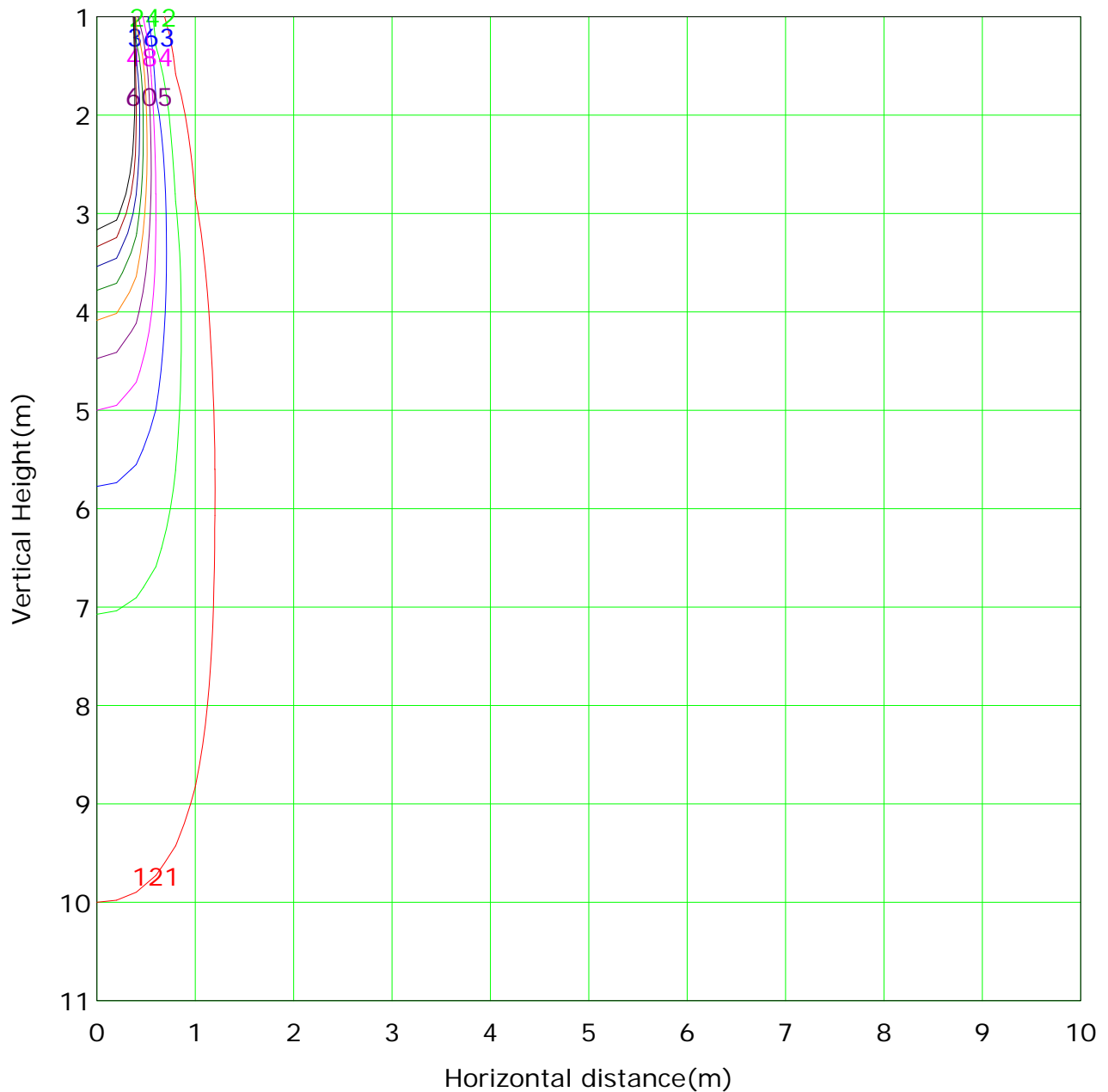
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1m    Highest(m): 11    Max Lux: 12101	
( 1%): 121 lx	( 2%): 242 lx
( 3%): 363 lx	( 4%): 484 lx
( 5%): 605 lx	( 6%): 726 lx
( 7%): 847 lx	( 8%): 968 lx
( 9%): 1089 lx	(10%): 1210 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

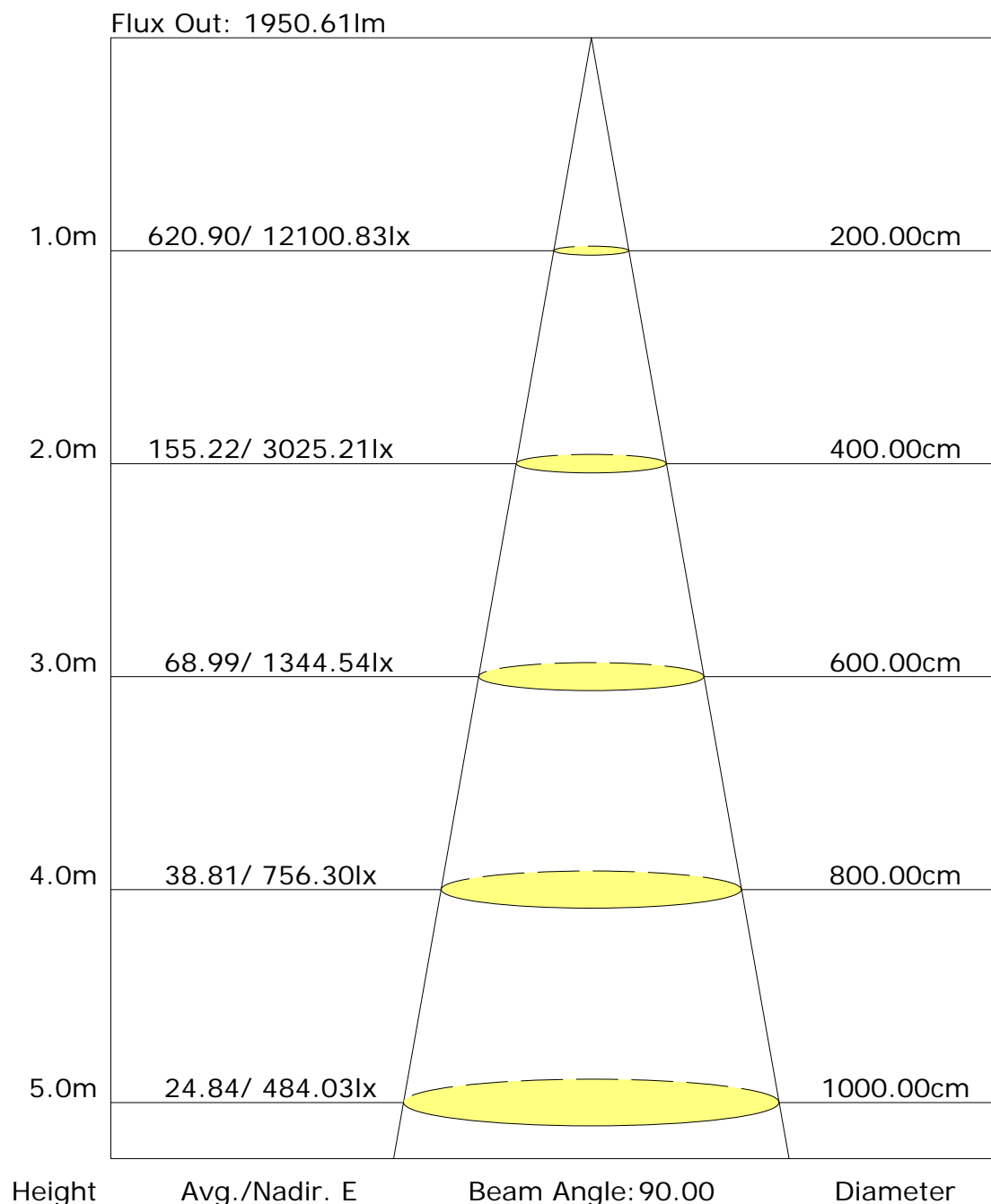
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## The average illuminance effective figure



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

Unit: cd

GVC	C0.0	C180.0								
G0.0	12100.8	12100.8								
G1.0	12071.9	12047.5								
G2.0	11950.8	11897.5								
G3.0	11698.7	11647.2								
G4.0	11307.4	11271.3								
G5.0	10746.3	10749.9								
G6.0	9998.0	10049.5								
G7.0	9033.8	9145.9								
G8.0	7909.7	8091.3								
G9.0	6742.2	6988.0								
G10.0	5674.0	5943.3								
G11.0	4767.7	5029.7								
G12.0	4029.4	4262.5								
G13.0	3392.3	3590.2								
G14.0	2842.0	3021.8								
G15.0	2376.6	2540.2								
G16.0	1988.9	2134.4								
G17.0	1664.5	1797.4								
G18.0	1391.6	1518.1								
G19.0	1172.0	1280.5								
G20.0	996.7	1094.3								
G21.0	853.0	942.5								
G22.0	731.1	816.9								
G23.0	631.7	709.4								
G24.0	550.3	618.1								
G25.0	480.7	538.6								
G26.0	421.1	471.7								
G27.0	371.4	416.6								
G28.0	331.6	368.7								
G29.0	292.8	327.1								
G30.0	259.4	290.1								
G31.0	229.5	259.4								
G32.0	206.9	232.2								
G33.0	186.1	207.8								
G34.0	167.2	183.4								
G35.0	150.0	162.7								
G36.0	132.8	143.7								

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	120.2	127.4								
G38.0	106.6	110.3								
G39.0	94.0	99.4								
G40.0	84.0	86.8								
G41.0	74.1	77.7								
G42.0	65.1	67.8								
G43.0	57.8	58.7								
G44.0	50.6	51.5								
G45.0	44.3	44.3								
G46.0	38.0	38.0								
G47.0	32.5	30.7								
G48.0	27.1	24.4								
G49.0	20.8	19.0								
G50.0	18.1	16.3								
G51.0	13.6	11.8								
G52.0	11.8	9.9								
G53.0	8.1	7.2								
G54.0	6.3	4.5								
G55.0	4.5	2.7								
G56.0	0.9	0.9								
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: