

Report No.: 51.07512 Recessed Downlight    Test Time: 2022-05-28 09:47

## Luminaire Property

Luminaire Category: Bridgelux V10C 3000K CRI90

Voltage: 215.4 V

Current: 0.126 A

Power: 26.10 W

Power Factor: 0.965

## Photometric Results

CIE Class: Direct

Measurement Flux: 1495 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 1495.0 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

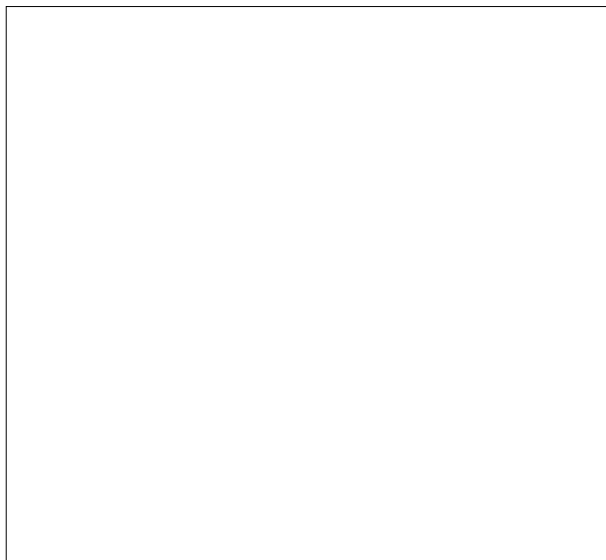
Luminaire Efficacy Rating (LER): 57

Central Intensity: 14892.22 cd

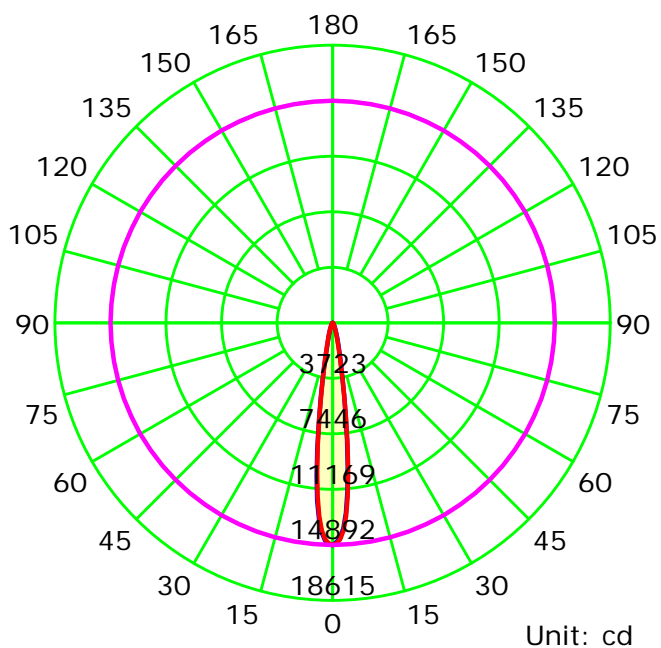
Max. Intensity: 14892.22 cd

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

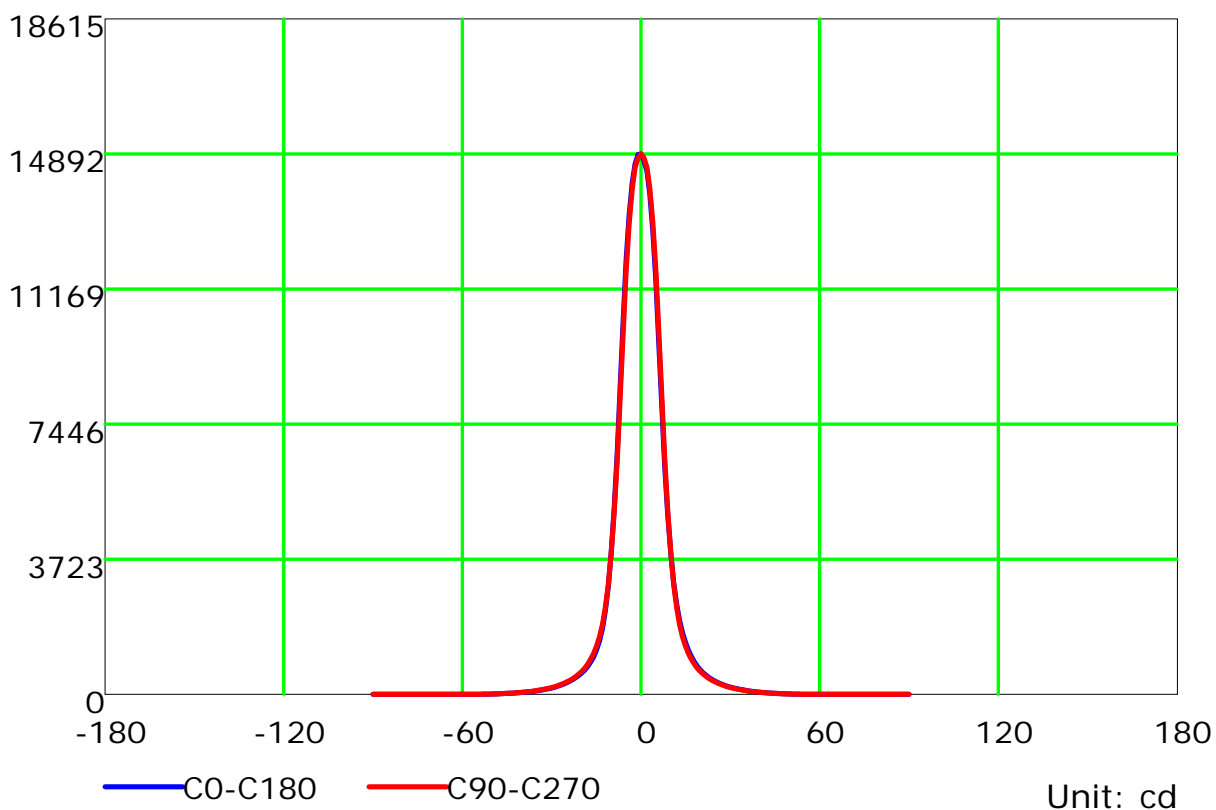
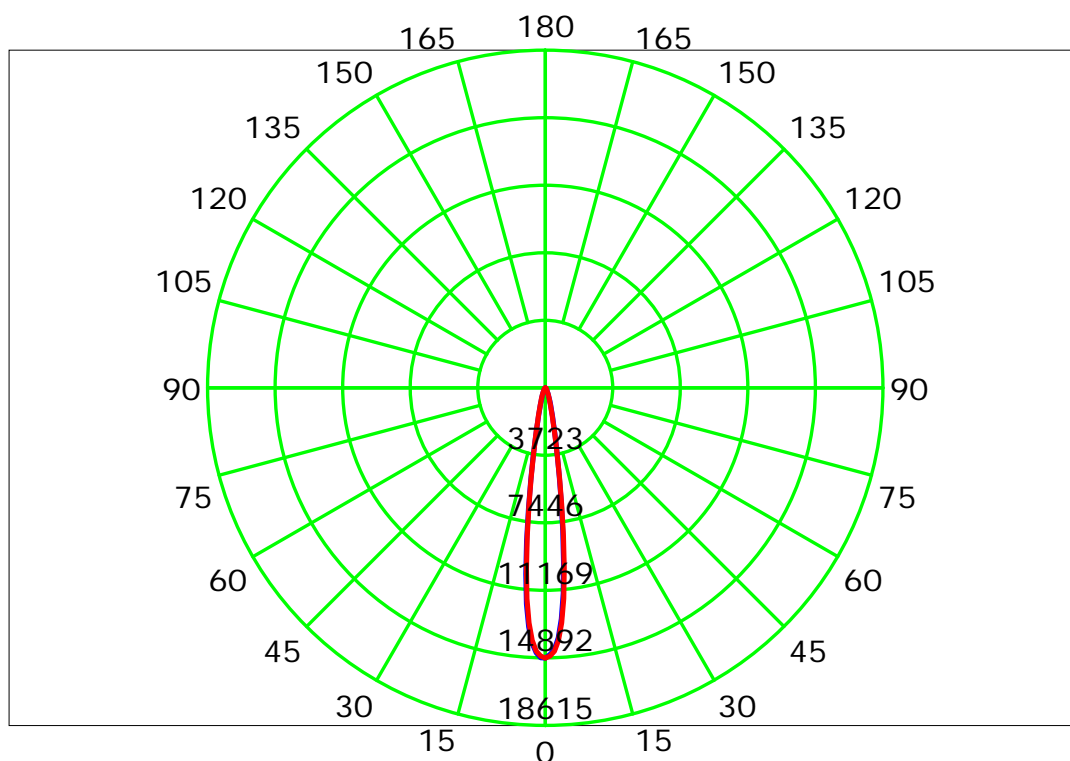
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



C Plane (°): 0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

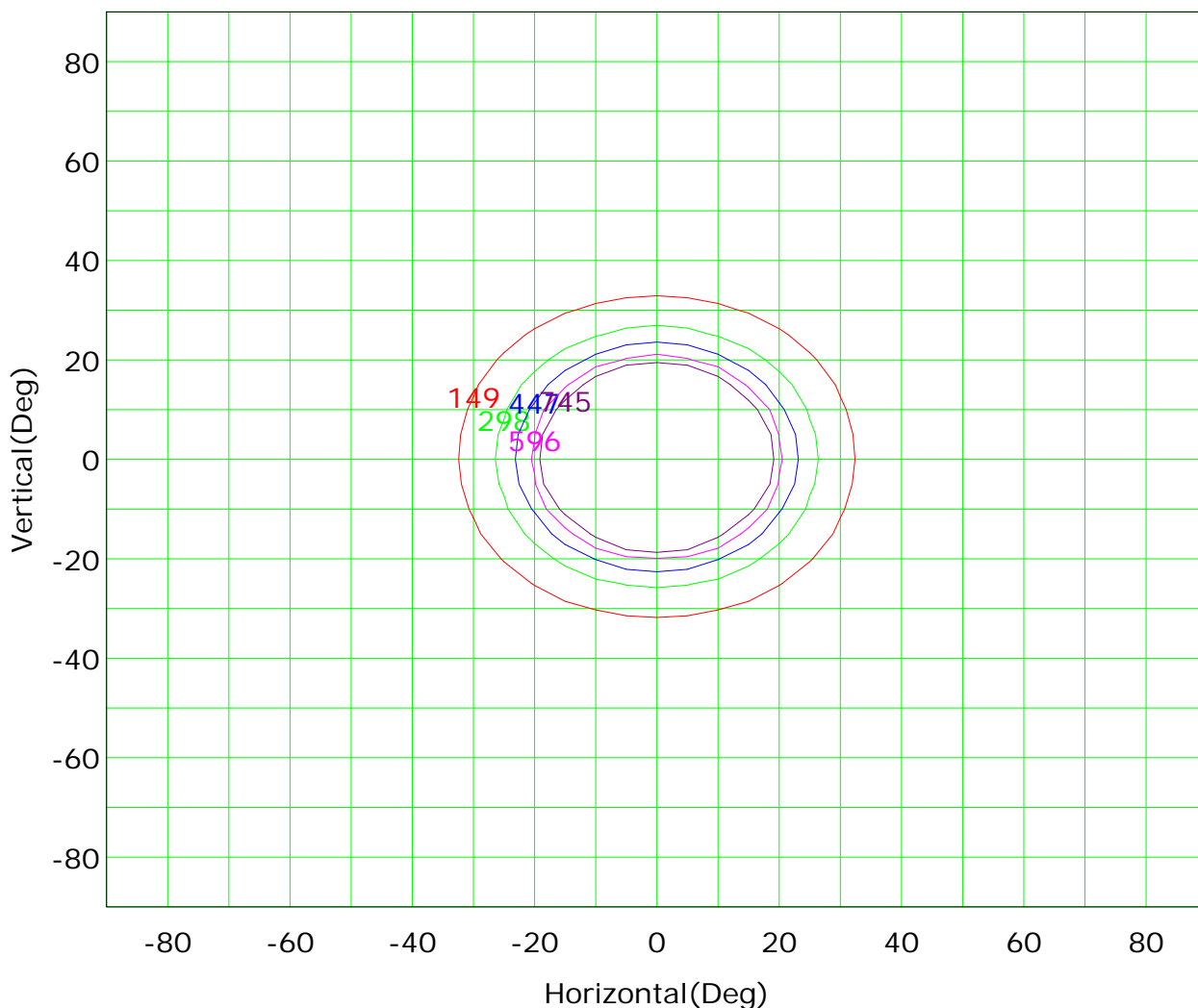
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 14892 cd

— ( 1%): 149 cd  
— ( 3%): 447 cd  
— ( 5%): 745 cd

— ( 2%): 298 cd  
— ( 4%): 596 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

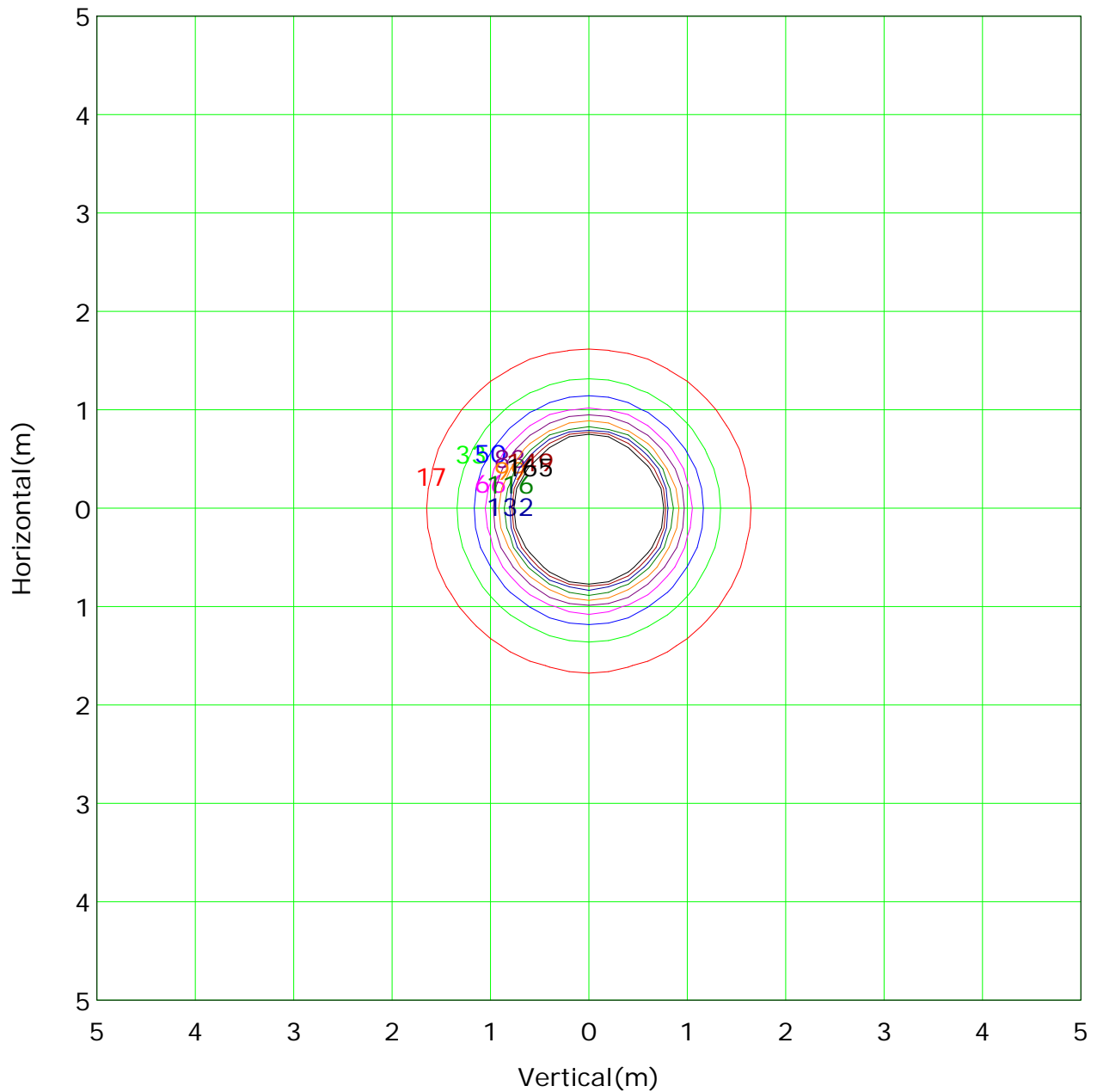
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 1655 lx	
— ( 1%):	17 lx	— ( 2%):	33 lx
— ( 3%):	50 lx	— ( 4%):	66 lx
— ( 5%):	83 lx	— ( 6%):	99 lx
— ( 7%):	116 lx	— ( 8%):	132 lx
— ( 9%):	149 lx	— (10%):	165 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

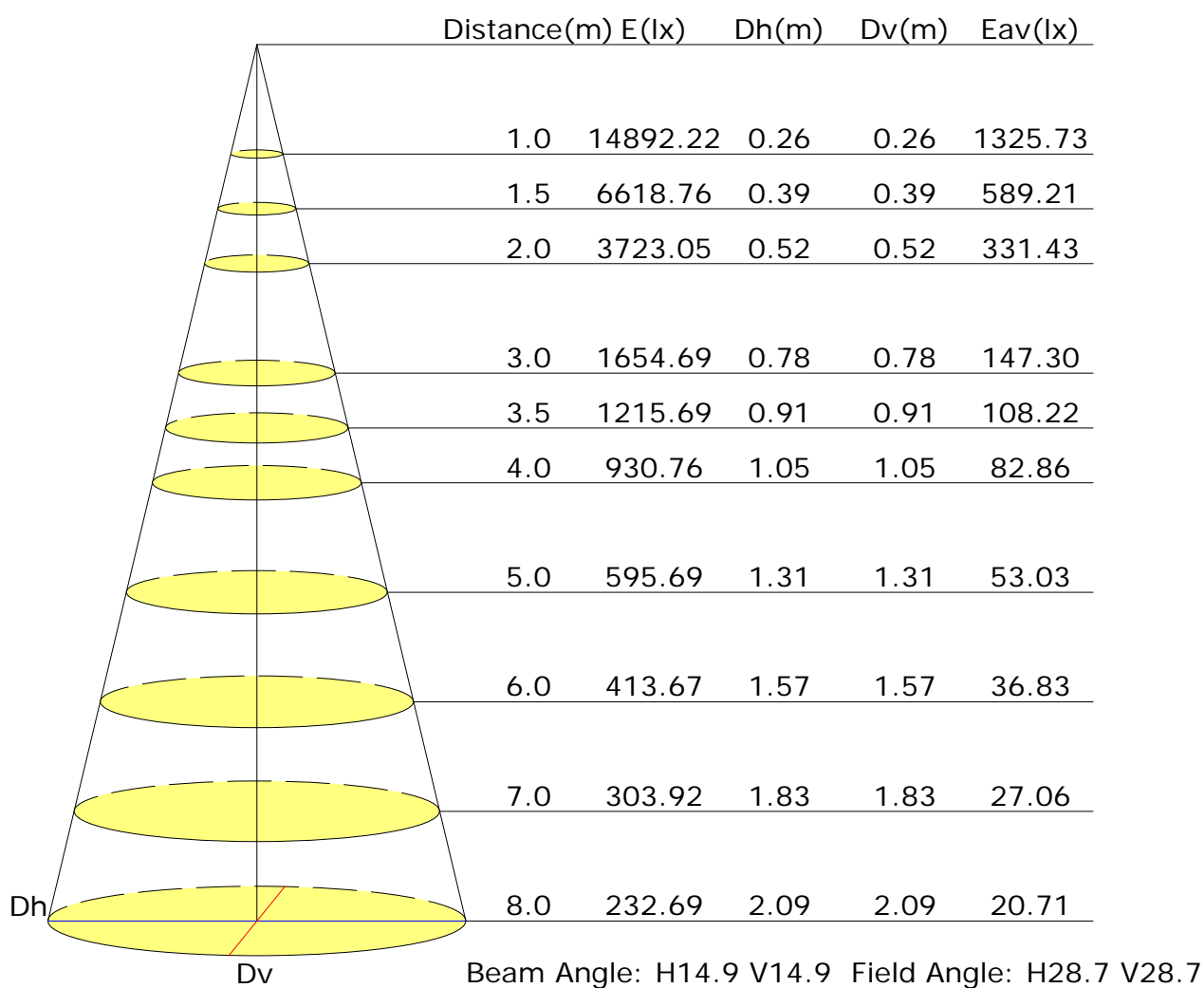
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Illuminance at a Distance



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

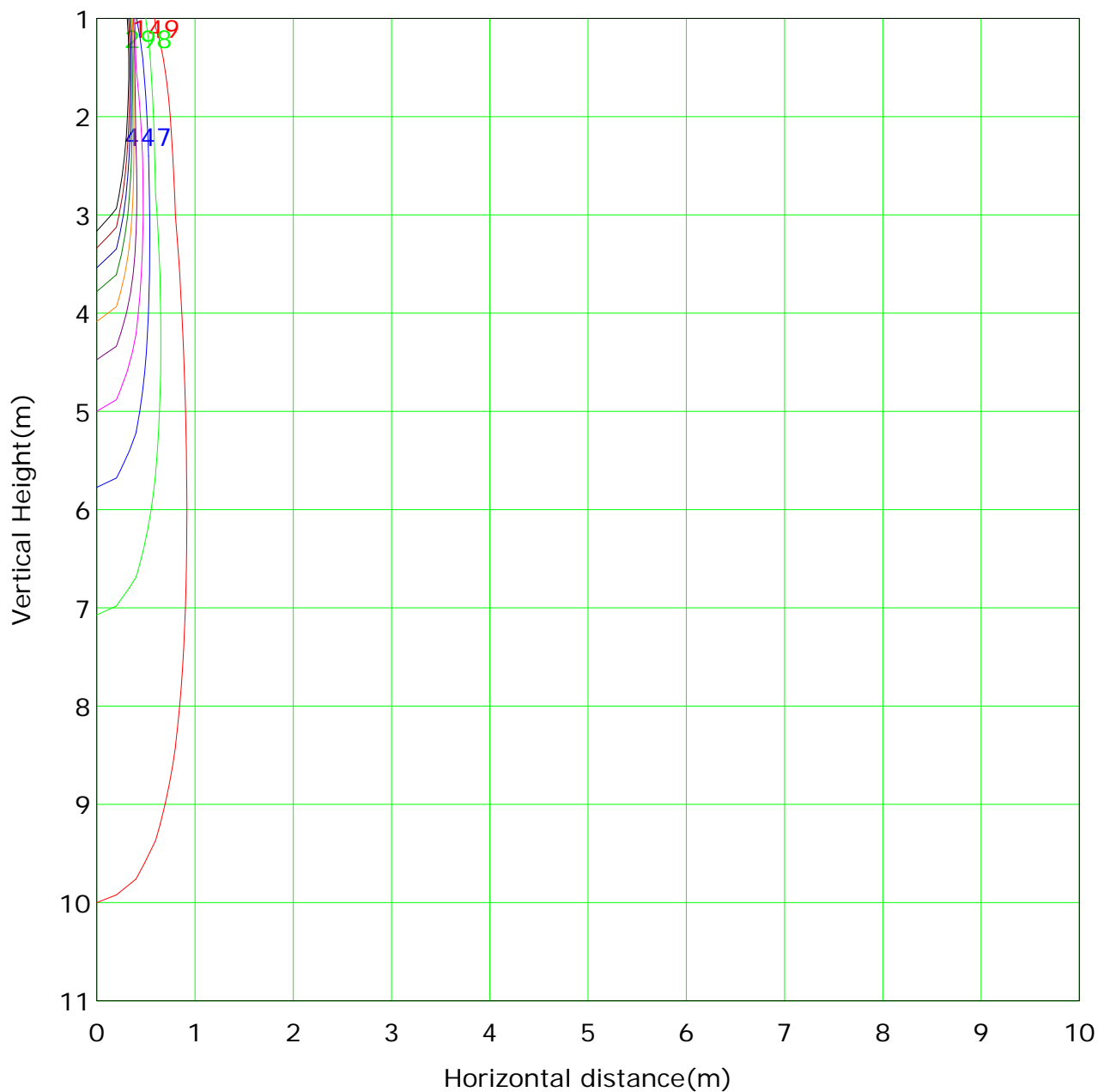
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Vertical IsoLux Plot



Lowest(m): 1m    Highest(m): 11    Max Lux: 14892	
( 1%): 149 lx	( 2%): 298 lx
( 3%): 447 lx	( 4%): 596 lx
( 5%): 745 lx	( 6%): 894 lx
( 7%): 1042 lx	( 8%): 1191 lx
( 9%): 1340 lx	(10%): 1489 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

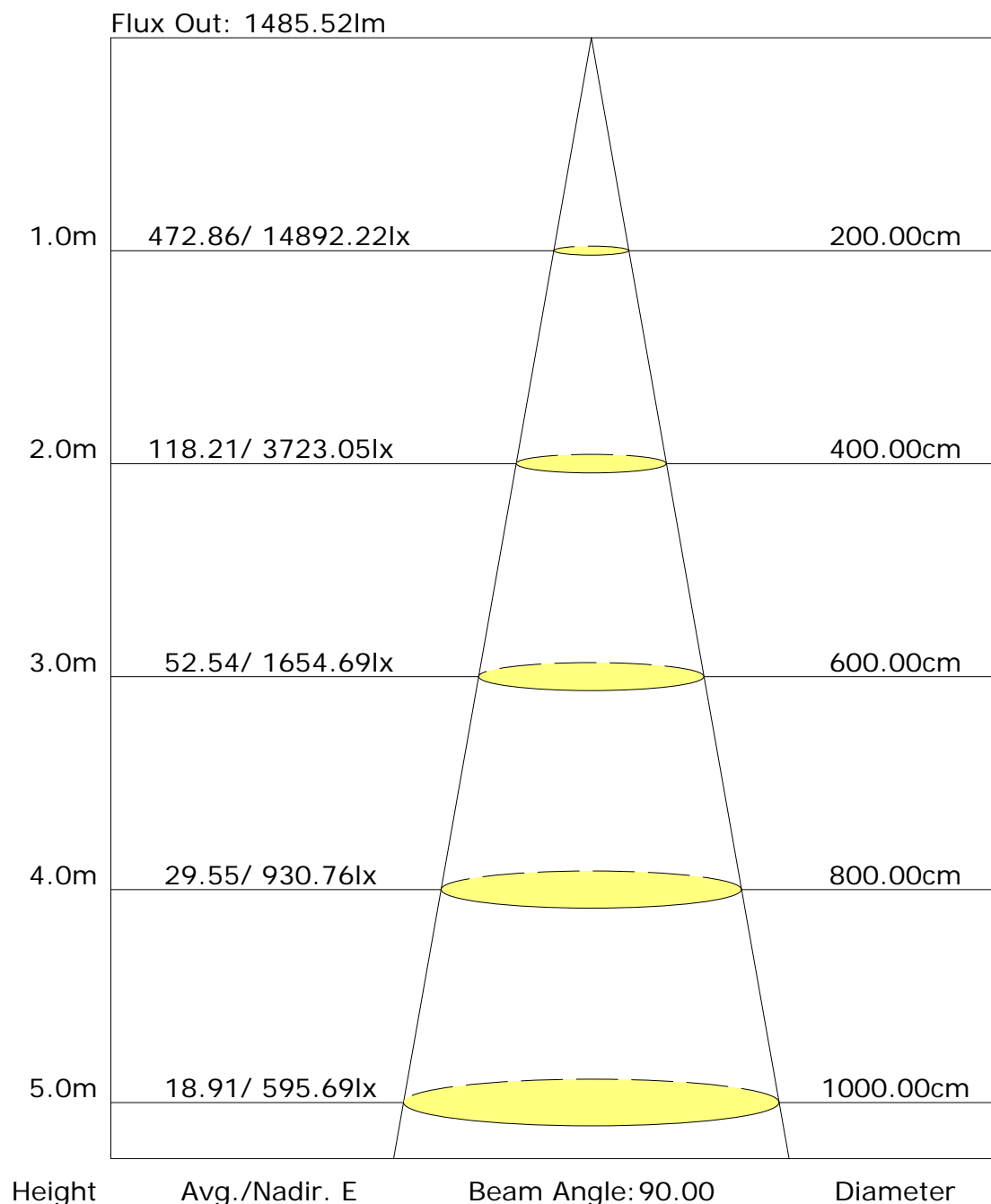
Test Device: CHL-6E

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	14892.2	14892.2								
G1.0	14708.8	14879.6								
G2.0	14425.9	14617.5								
G3.0	13794.3	14092.5								
G4.0	12767.7	13210.5								
G5.0	11379.7	11956.3								
G6.0	9690.8	10327.9								
G7.0	7942.2	8494.3								
G8.0	6293.0	6706.9								
G9.0	4946.6	5161.7								
G10.0	3892.0	3921.9								
G11.0	3082.4	2983.9								
G12.0	2480.5	2299.8								
G13.0	2030.5	1810.9								
G14.0	1686.2	1463.0								
G15.0	1419.6	1214.5								
G16.0	1209.1	1027.4								
G17.0	1032.0	883.8								
G18.0	887.4	764.5								
G19.0	763.6	665.1								
G20.0	665.1	584.7								
G21.0	584.7	518.7								
G22.0	516.9	459.1								
G23.0	455.4	407.5								
G24.0	404.8	362.4								
G25.0	360.6	320.8								
G26.0	319.0	284.6								
G27.0	284.6	253.9								
G28.0	252.1	225.0								
G29.0	223.2	197.9								
G30.0	198.8	176.2								
G31.0	178.9	158.1								
G32.0	161.8	143.7								
G33.0	144.6	127.4								
G34.0	129.2	113.9								
G35.0	113.0	101.2								
G36.0	97.6	86.8								

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	85.8	76.8								
G38.0	75.0	67.8								
G39.0	66.0	60.5								
G40.0	57.8	53.3								
G41.0	50.6	47.0								
G42.0	44.3	41.6								
G43.0	38.0	35.2								
G44.0	34.3	30.7								
G45.0	28.9	27.1								
G46.0	24.4	23.5								
G47.0	20.8	19.9								
G48.0	15.4	14.5								
G49.0	13.6	11.8								
G50.0	9.9	9.9								
G51.0	7.2	7.2								
G52.0	6.3	4.5								
G53.0	4.5	4.5								
G54.0	2.7	2.7								
G55.0	0.9	0.9								
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: