

Report No.: 51.04515 Recessed Downlight Test Time: 2022-05-25 19:10

Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90

Voltage: 217.7 V

Current: 0.026 A

Power: 5.20 W

Power Factor: 0.901

Photometric Results

CIE Class: Direct

Measurement Flux: 376.2 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 376.2 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H21.1,H14.6,H9.8,H2

Vertical Diffuse Angle(25%,50%,75%,100%): V21.1,V14.6,V9.8,V2

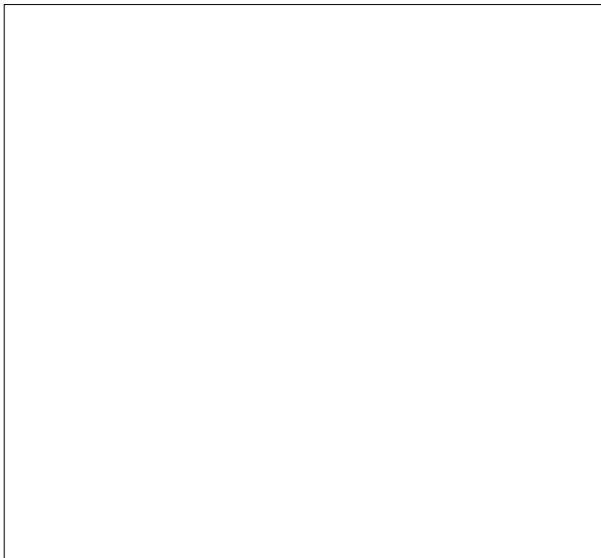
Luminaire Efficacy Rating (LER): 72

Central Intensity: 3836.01 cd

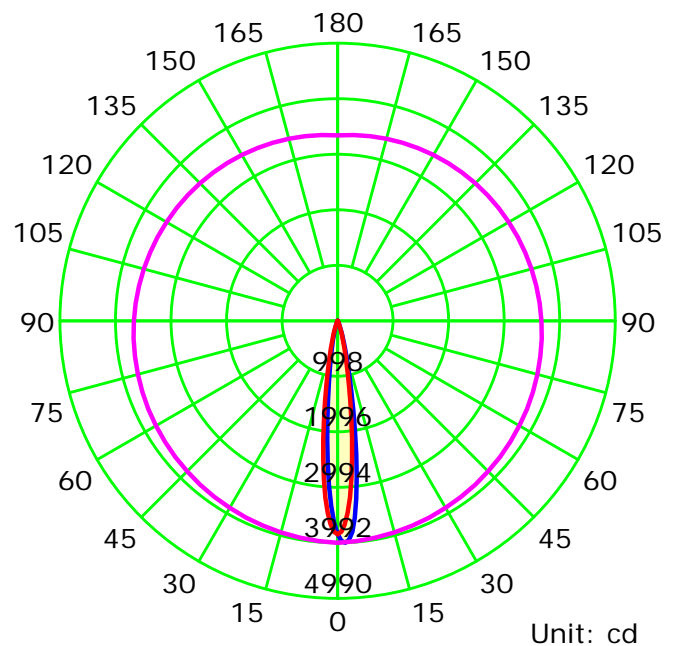
Max. Intensity: 3991.44 cd

Pos of Max. Intensity: H0 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 14.6°

— C0-C180 — C90-C270 — G2

C Plane (°): 0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

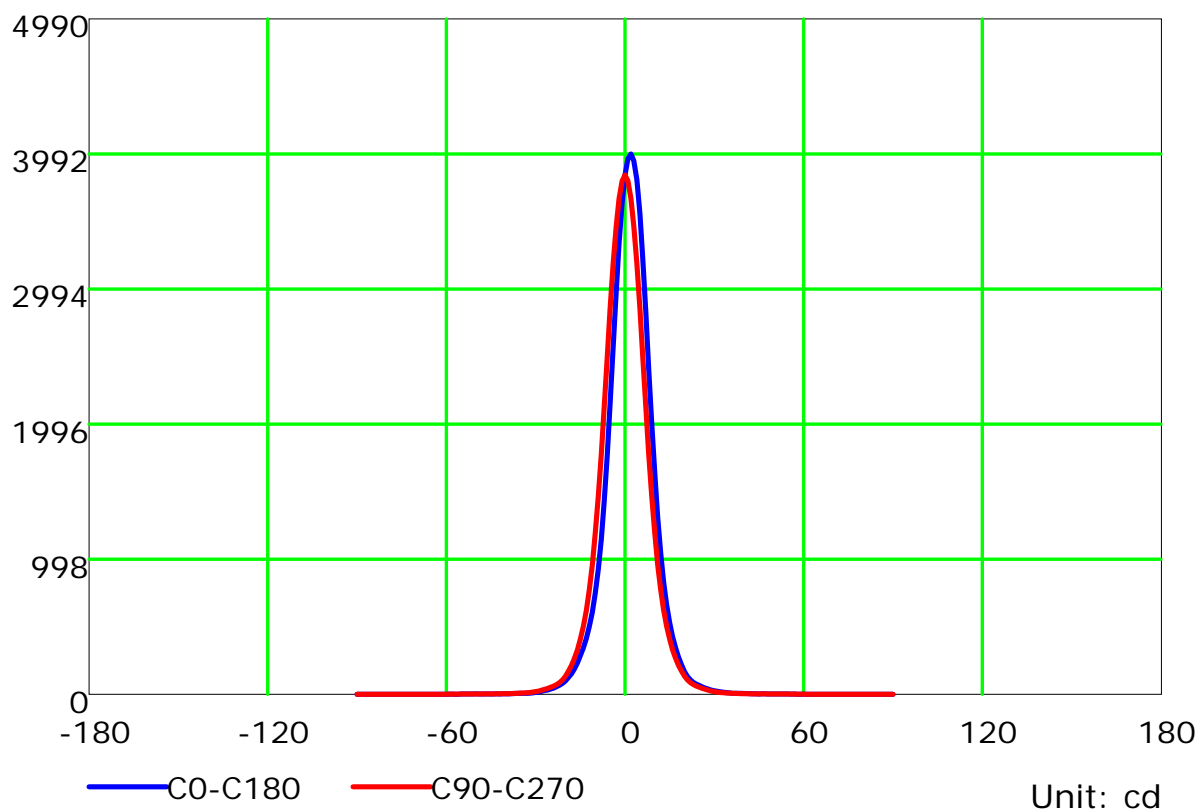
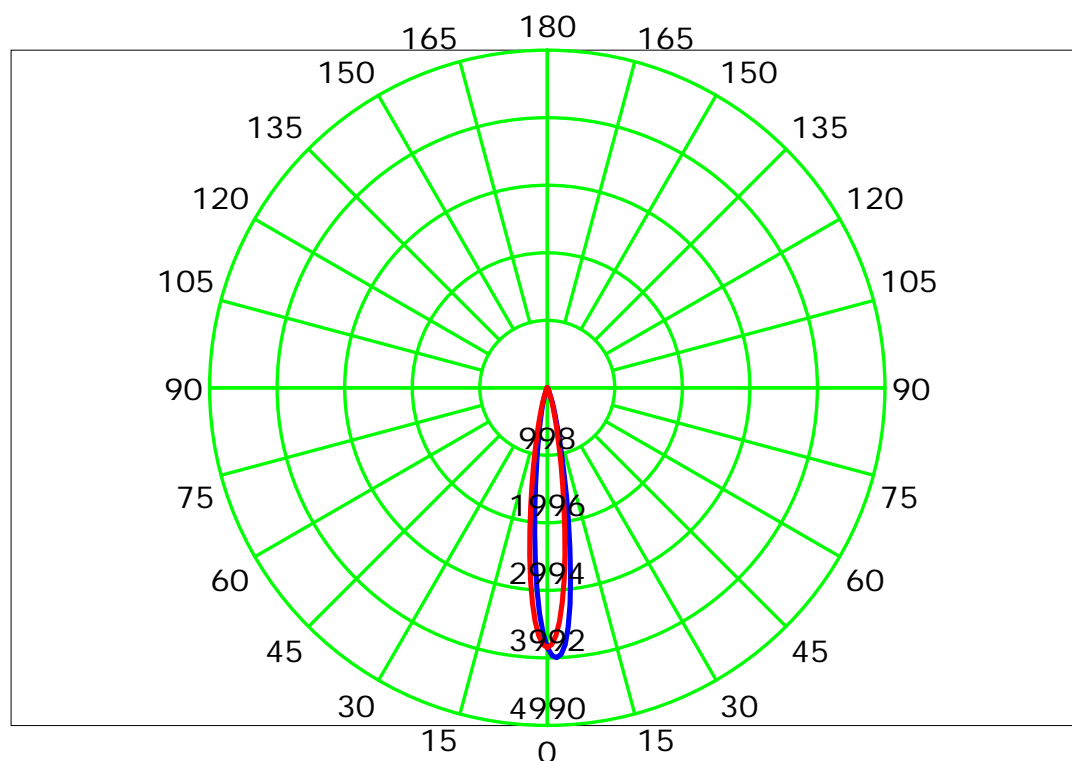
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

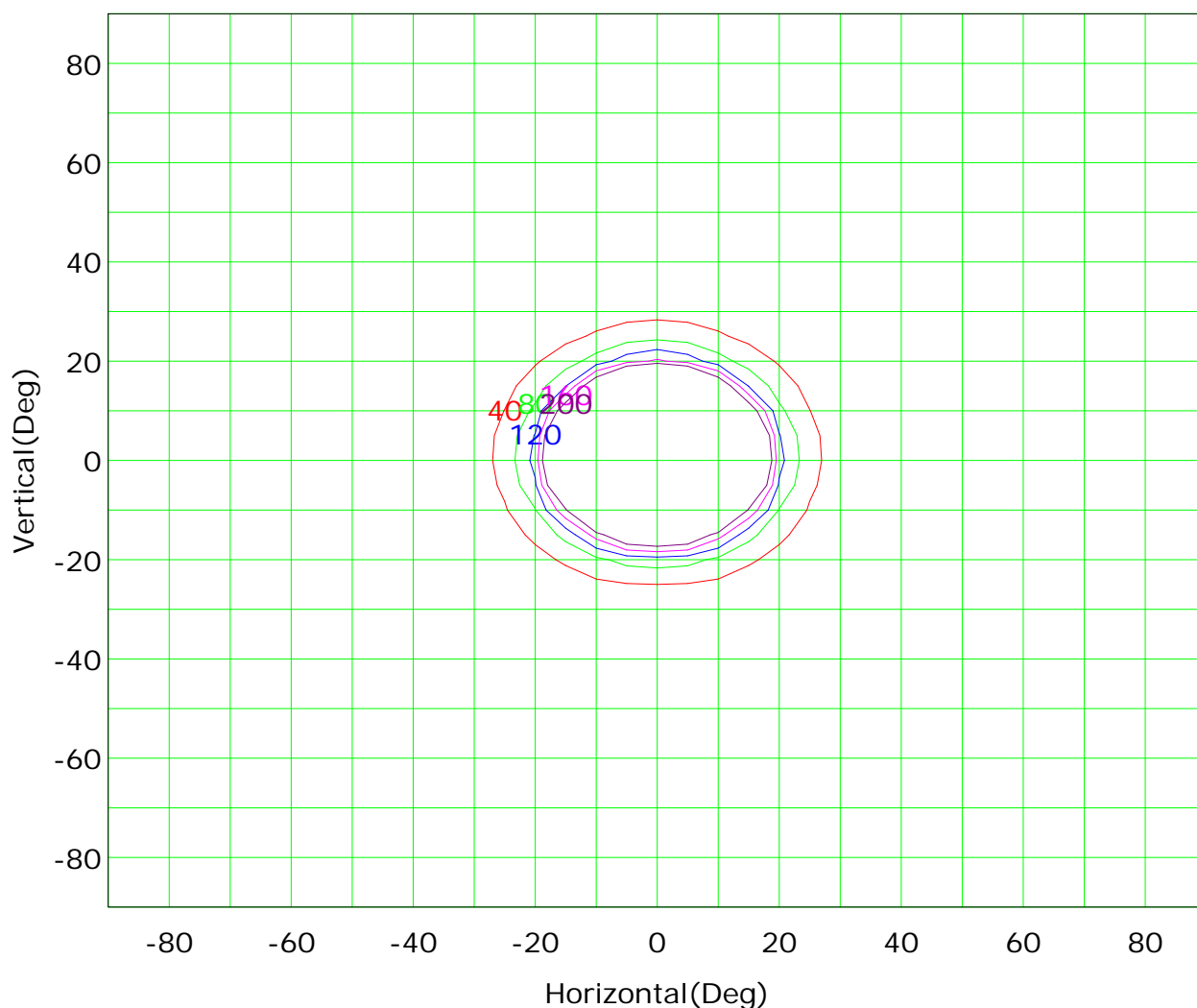
Luminous Intensity Distribution Curve



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_{max} (100%): 3991 cd

(1%):	40 cd	(2%):	80 cd
(3%):	120 cd	(4%):	160 cd
(5%):	200 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

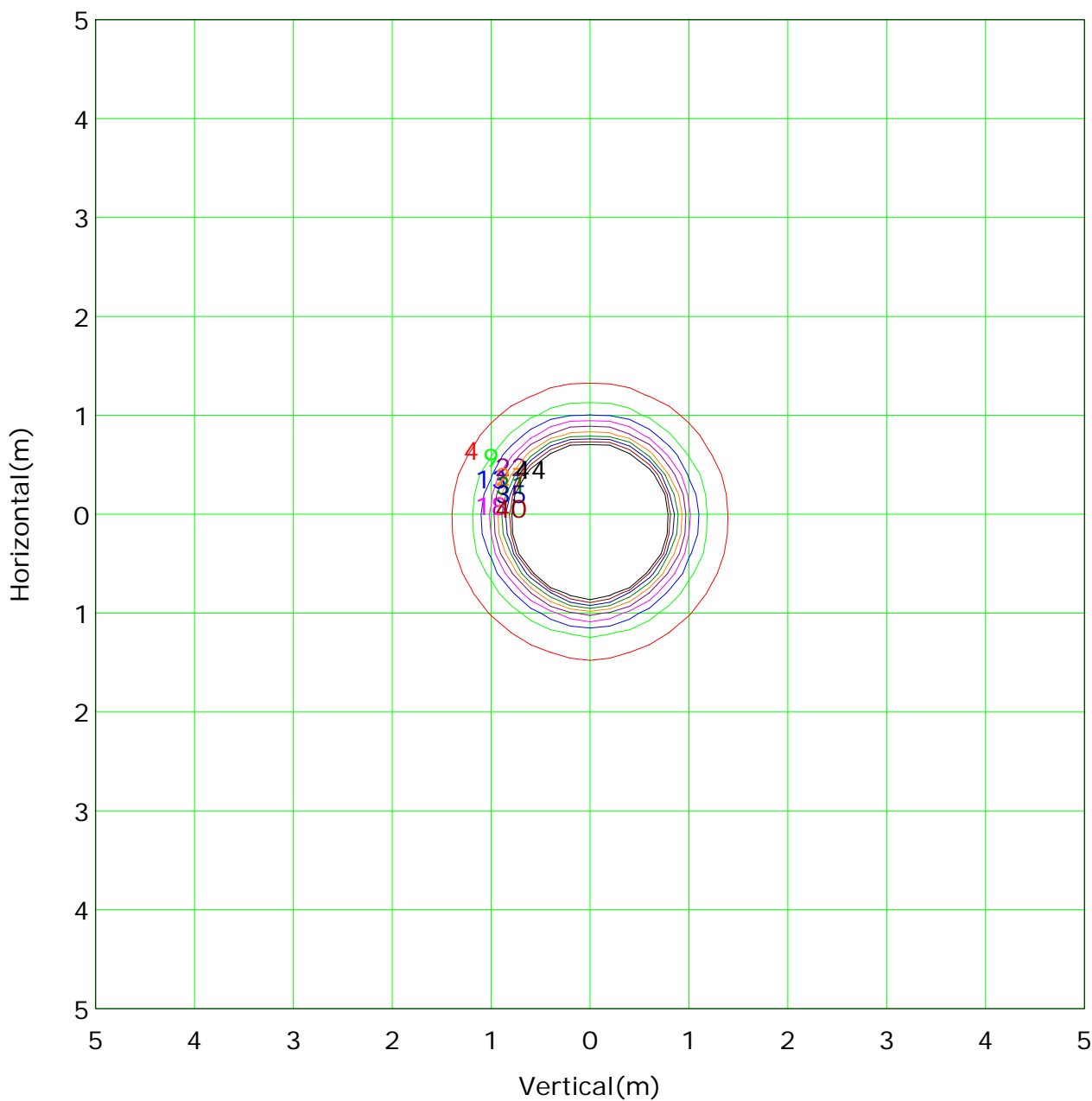
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 443 lx	
— (1%):	4 lx	— (2%):	9 lx
— (3%):	13 lx	— (4%):	18 lx
— (5%):	22 lx	— (6%):	27 lx
— (7%):	31 lx	— (8%):	35 lx
— (9%):	40 lx	— (10%):	44 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

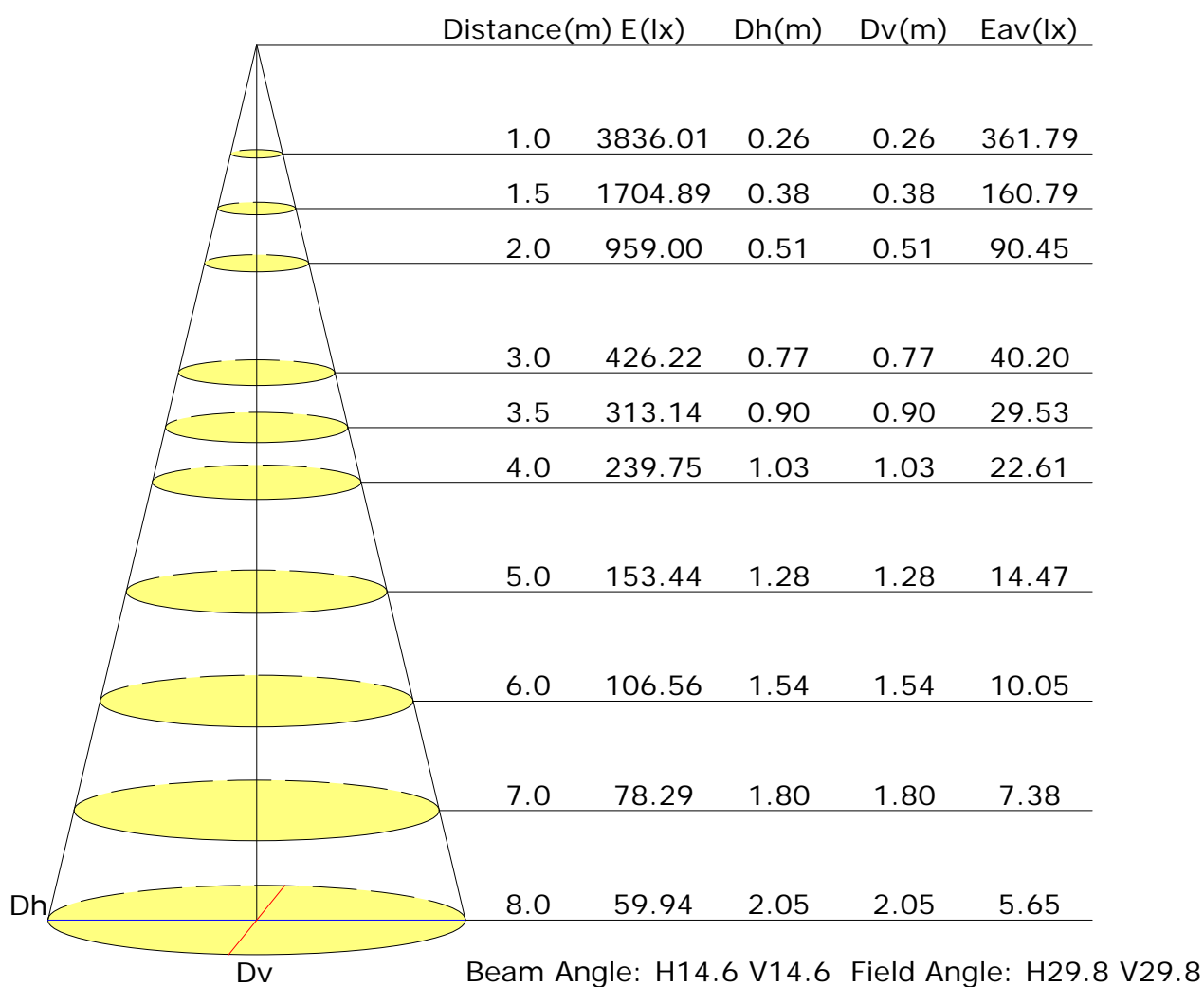
Test Device: CHL-6E

Distance: 3.000 m

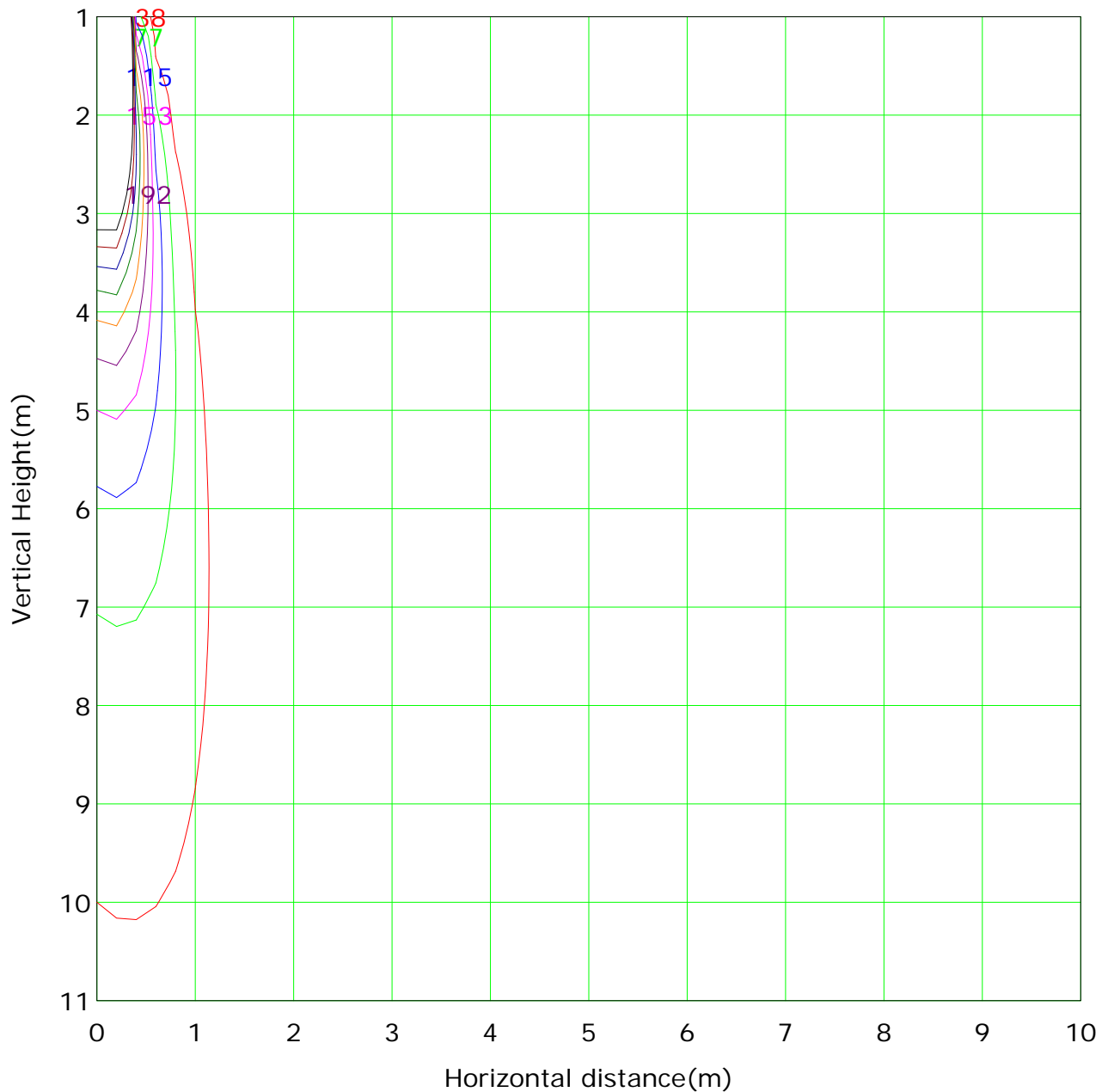
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 3836	
(1%): 38 lx	(2%): 77 lx
(3%): 115 lx	(4%): 153 lx
(5%): 192 lx	(6%): 230 lx
(7%): 269 lx	(8%): 307 lx
(9%): 345 lx	(10%): 384 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

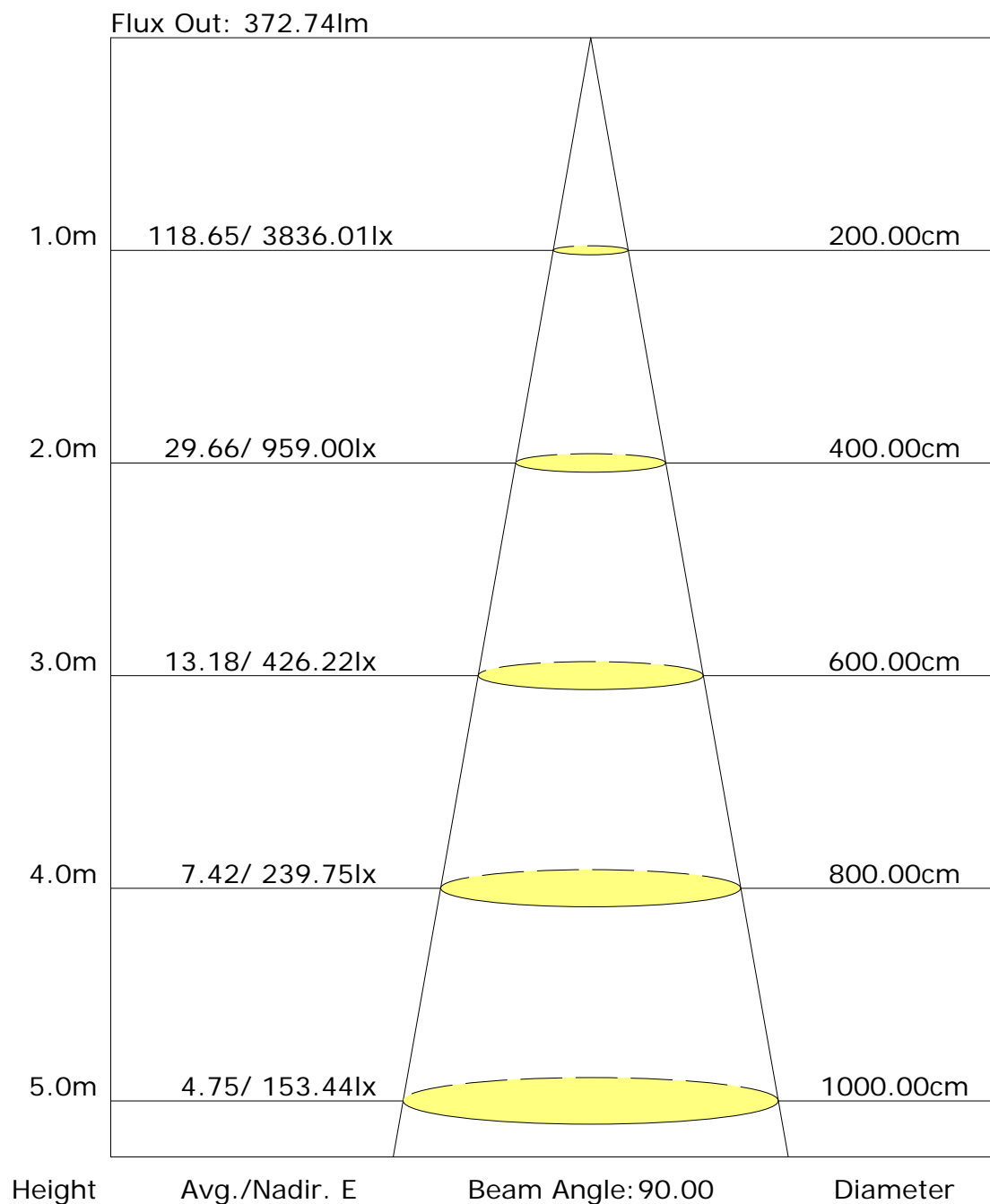
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

The average illuminance effective figure



Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	3836.0	3836.0								
G1.0	3957.1	3630.9								
G2.0	3991.4	3334.5								
G3.0	3941.7	2973.9								
G4.0	3802.6	2566.4								
G5.0	3553.2	2151.6								
G6.0	3217.0	1764.8								
G7.0	2823.9	1425.1								
G8.0	2404.6	1145.8								
G9.0	2001.6	922.6								
G10.0	1634.7	746.4								
G11.0	1309.4	608.2								
G12.0	1043.7	501.5								
G13.0	831.4	415.7								
G14.0	661.5	345.2								
G15.0	529.5	286.5								
G16.0	426.5	233.1								
G17.0	343.4	188.9								
G18.0	276.5	153.6								
G19.0	218.7	125.6								
G20.0	167.2	100.3								
G21.0	131.9	82.2								
G22.0	106.6	67.8								
G23.0	88.6	57.8								
G24.0	75.0	47.0								
G25.0	65.1	39.8								
G26.0	55.1	32.5								
G27.0	45.2	28.9								
G28.0	39.8	22.6								
G29.0	31.6	17.2								
G30.0	27.1	14.5								
G31.0	23.5	11.8								
G32.0	19.0	9.0								
G33.0	16.3	8.1								
G34.0	13.6	7.2								
G35.0	11.8	7.2								
G36.0	8.1	7.2								

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	8.1	6.3								
G38.0	7.2	5.4								
G39.0	7.2	4.5								
G40.0	6.3	4.5								
G41.0	6.3	4.5								
G42.0	5.4	2.7								
G43.0	4.5	4.5								
G44.0	4.5	2.7								
G45.0	2.7	2.7								
G46.0	4.5	2.7								
G47.0	4.5	2.7								
G48.0	2.7	2.7								
G49.0	2.7	2.7								
G50.0	2.7	3.6								
G51.0	2.7	2.7								
G52.0	2.7	2.7								
G53.0	2.7	2.7								
G54.0	2.7	2.7								
G55.0	2.7	2.7								
G56.0	1.8	0.9								
G57.0	2.7	0.9								
G58.0	0.9	1.8								
G59.0	0.9	1.8								
G60.0	1.8	0.9								
G61.0	0.9	0.9								
G62.0	0.9	0.0								
G63.0	0.9	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: