

Report No.: 51.07512 Recessed Downlight Test Time: 2022-05-28 09:43

Luminaire Property

Luminaire Category: Bridgelux V10C 3000K CRI90

Voltage: 215.1 V

Current: 0.125 A

Power: 26.00 W

Power Factor: 0.965

Photometric Results

CIE Class: Direct

Measurement Flux: 1678.1 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 1678.1 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H45.1,H35.1,H24,H1

Vertical Diffuse Angle(25%,50%,75%,100%): V45.1,V35.1,V24,V1

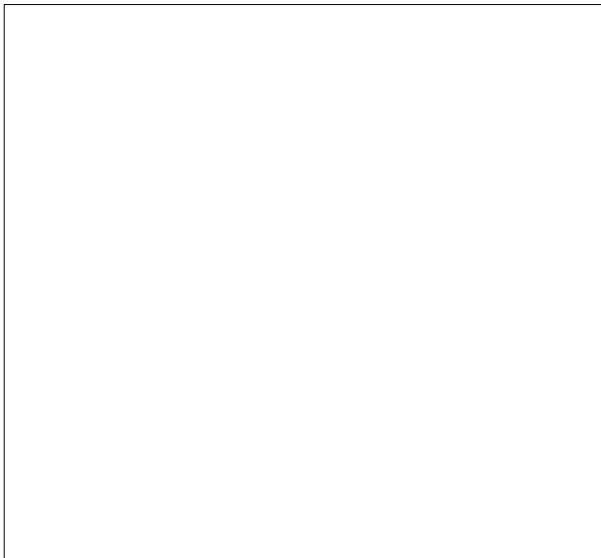
Luminaire Efficacy Rating (LER): 65

Central Intensity: 4842.68 cd

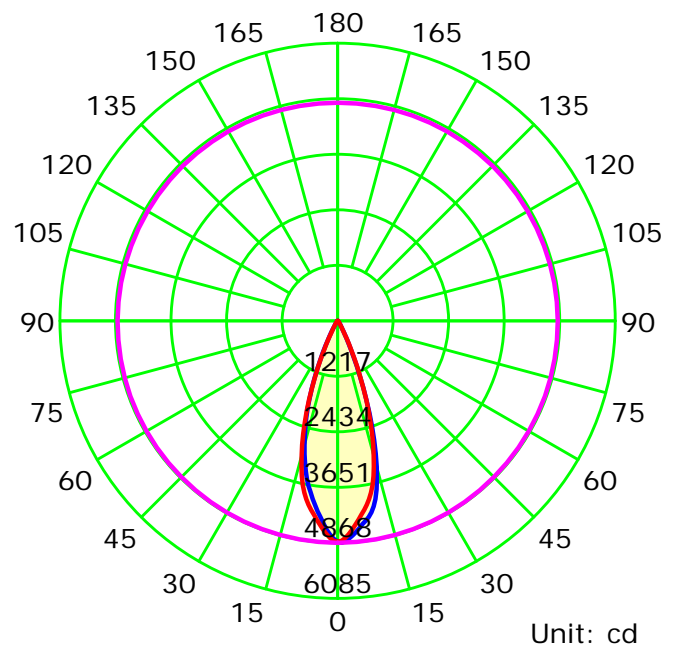
Max. Intensity: 4867.09 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 35.1°

— C0-C180 — C90-C270 — G1

C Plane (°): 0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

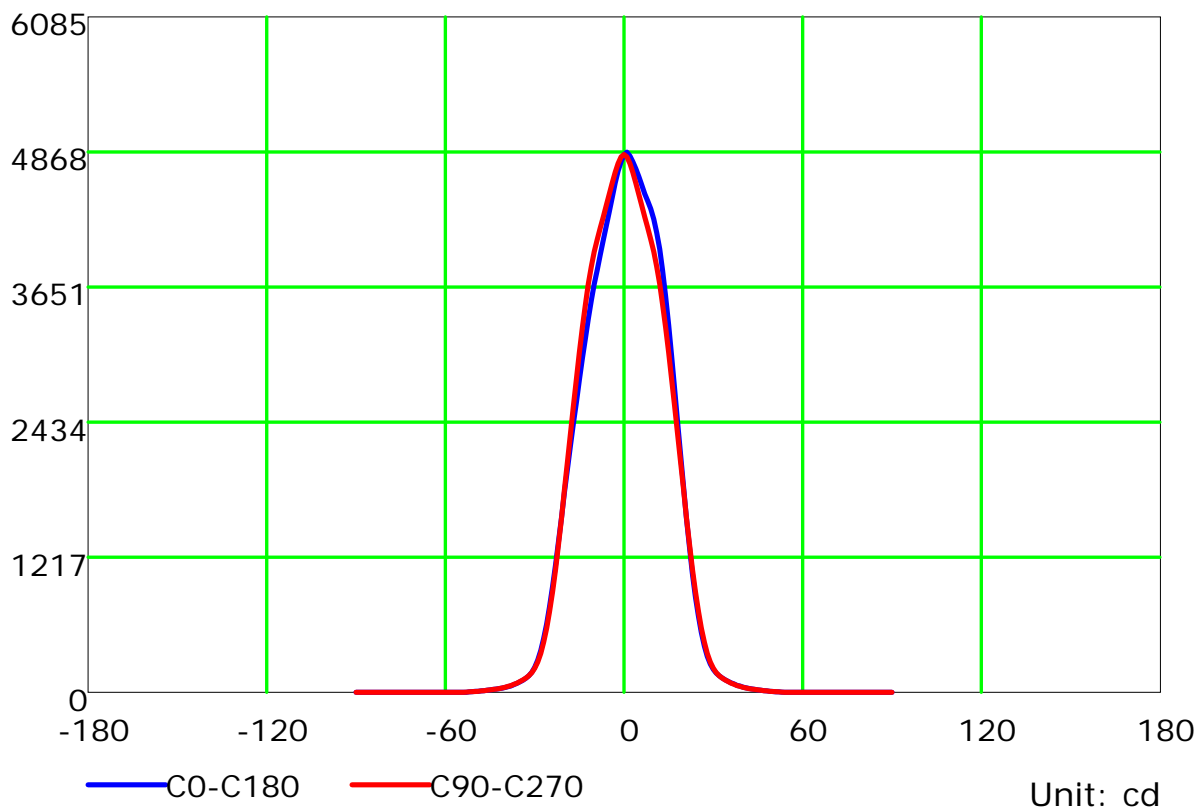
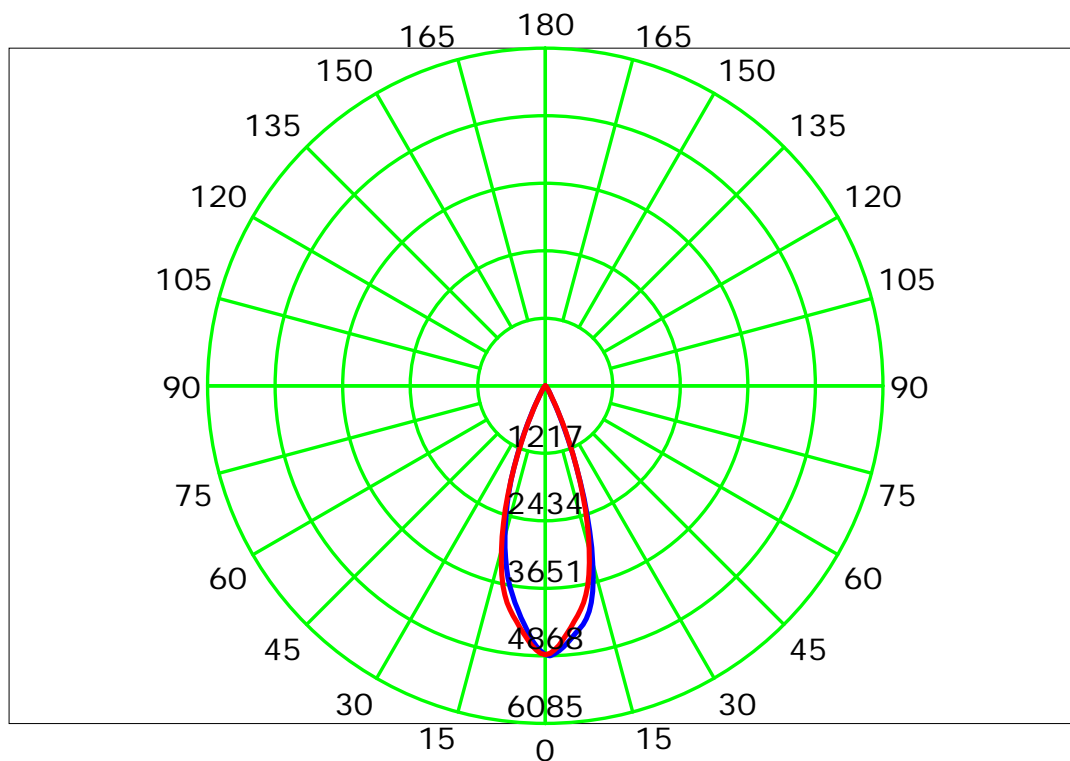
Test Device: CHL-6E

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

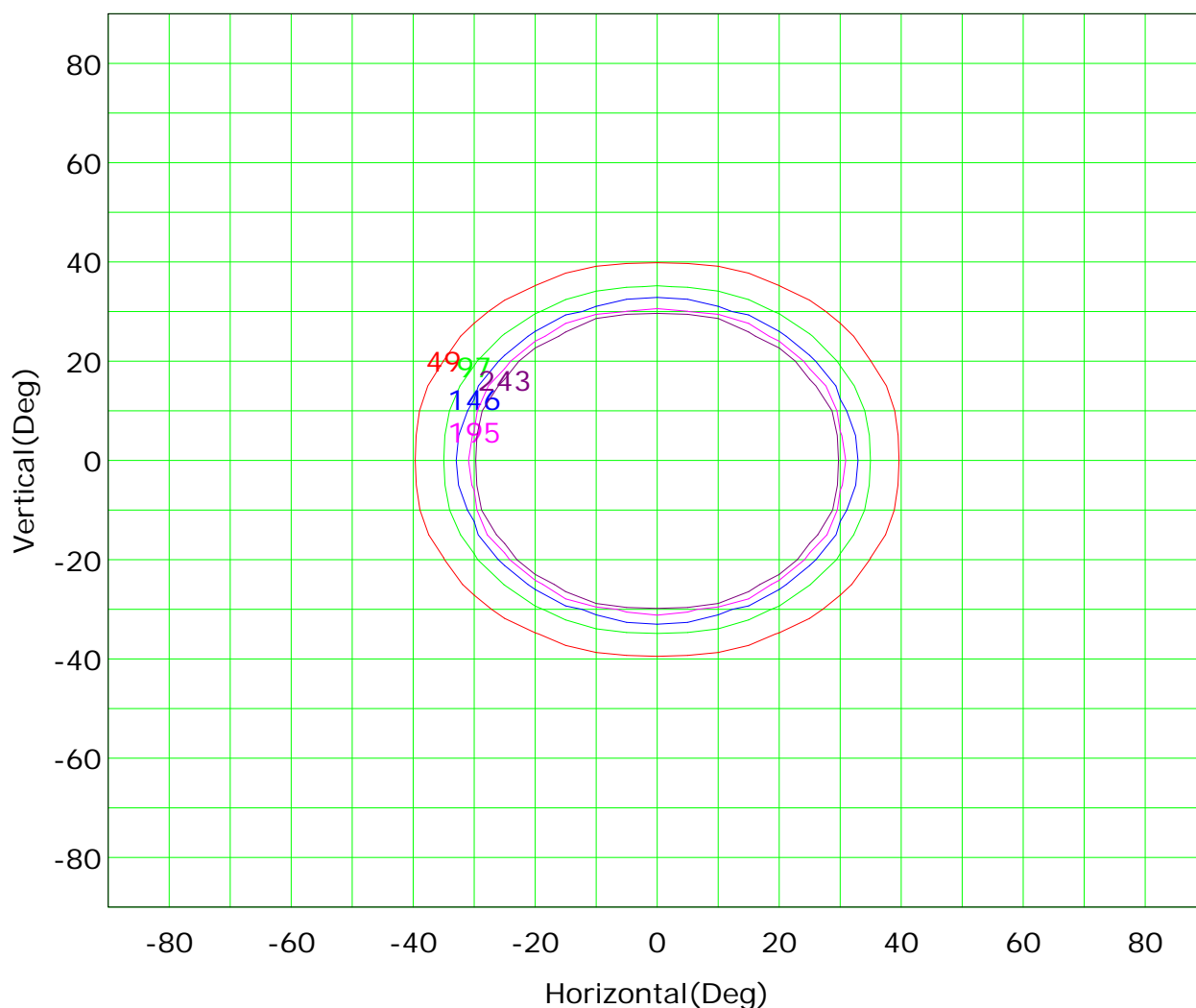
Distance: 3.000 m

Humidity:

Inspector:

Unit: cd

Isocandela (rectangle)



I_{max} (100%): 4867 cd

(1%):	49 cd	(2%):	97 cd
(3%):	146 cd	(4%):	195 cd
(5%):	243 cd		

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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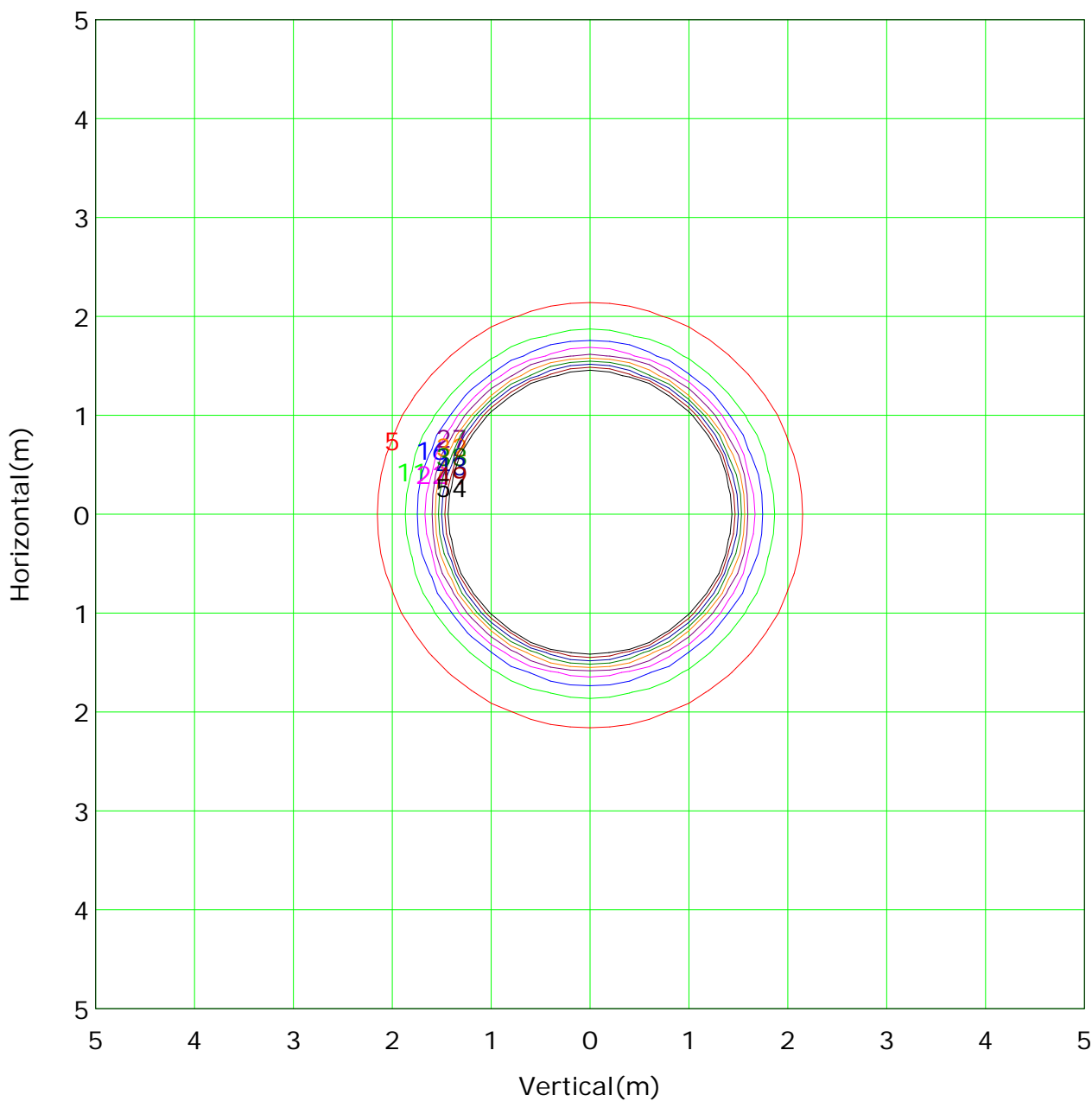
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 541 lx	
— (1%):	5 lx	— (2%):	11 lx
— (3%):	16 lx	— (4%):	22 lx
— (5%):	27 lx	— (6%):	32 lx
— (7%):	38 lx	— (8%):	43 lx
— (9%):	49 lx	— (10%):	54 lx

C Plane (°):0.0-180.0: 180.0

Test Lab:

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Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

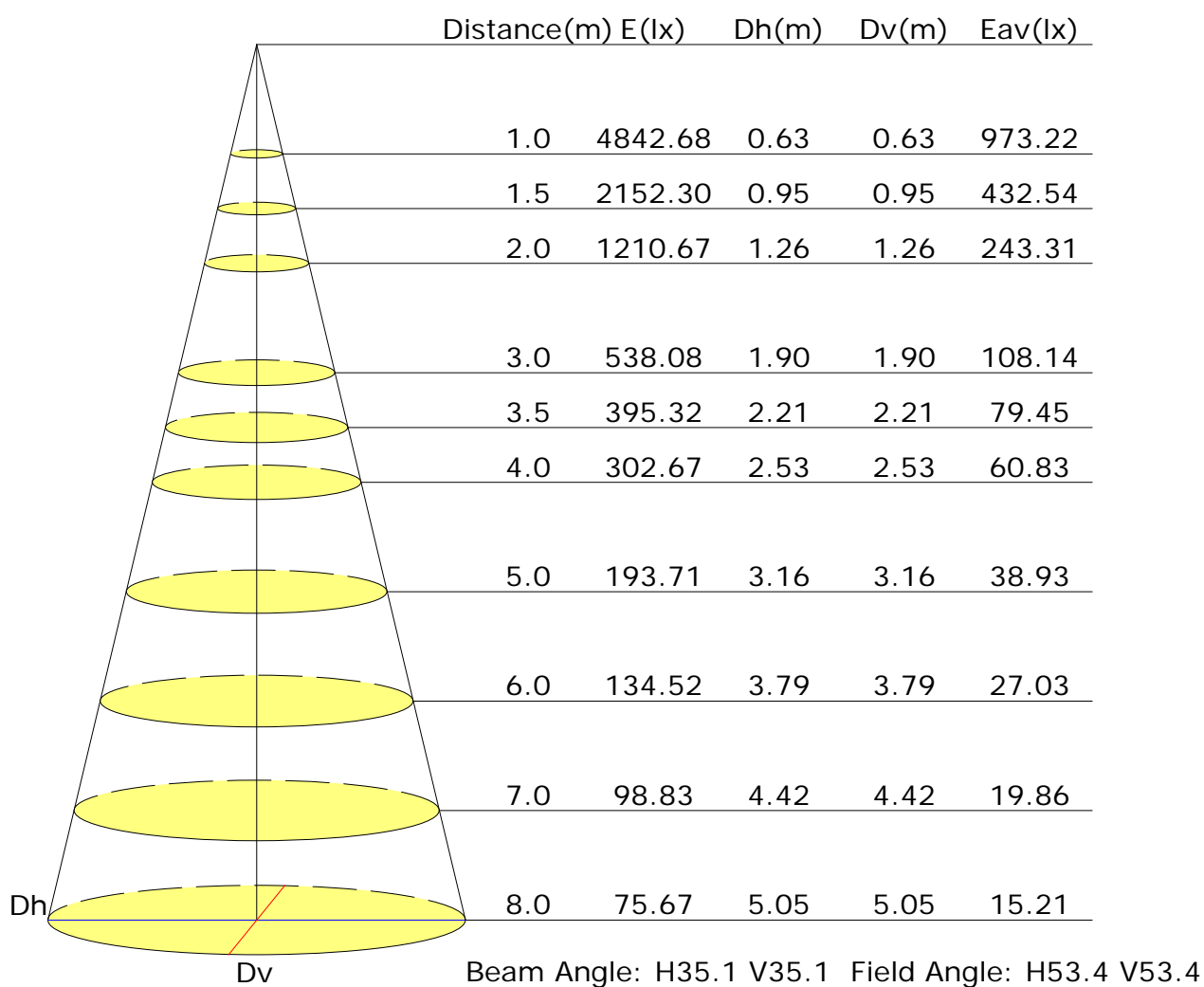
Test Device: CHL-6E

Distance: 3.000 m

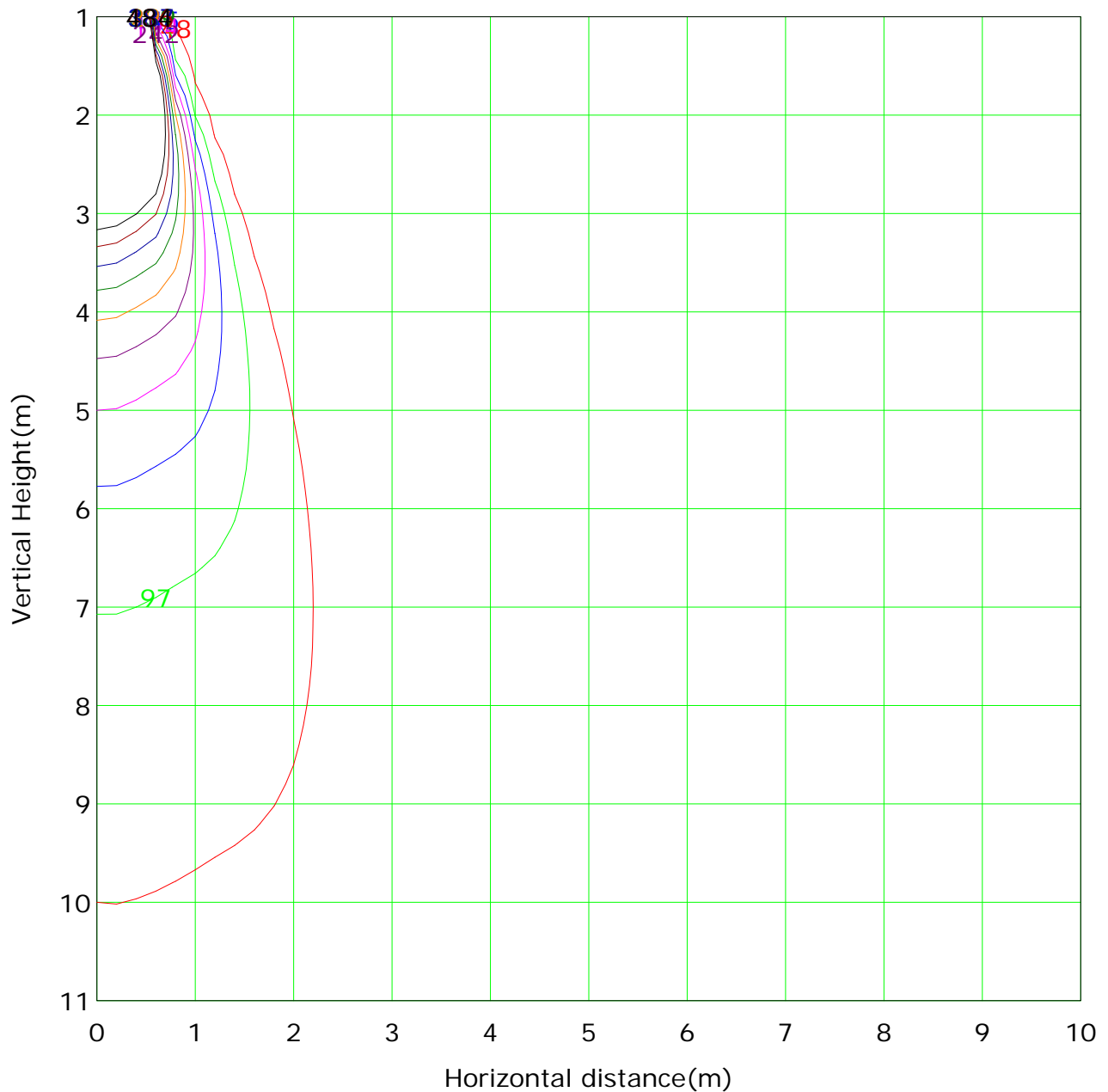
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 4843	
(1%): 48 lx	(2%): 97 lx
(3%): 145 lx	(4%): 194 lx
(5%): 242 lx	(6%): 291 lx
(7%): 339 lx	(8%): 387 lx
(9%): 436 lx	(10%): 484 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

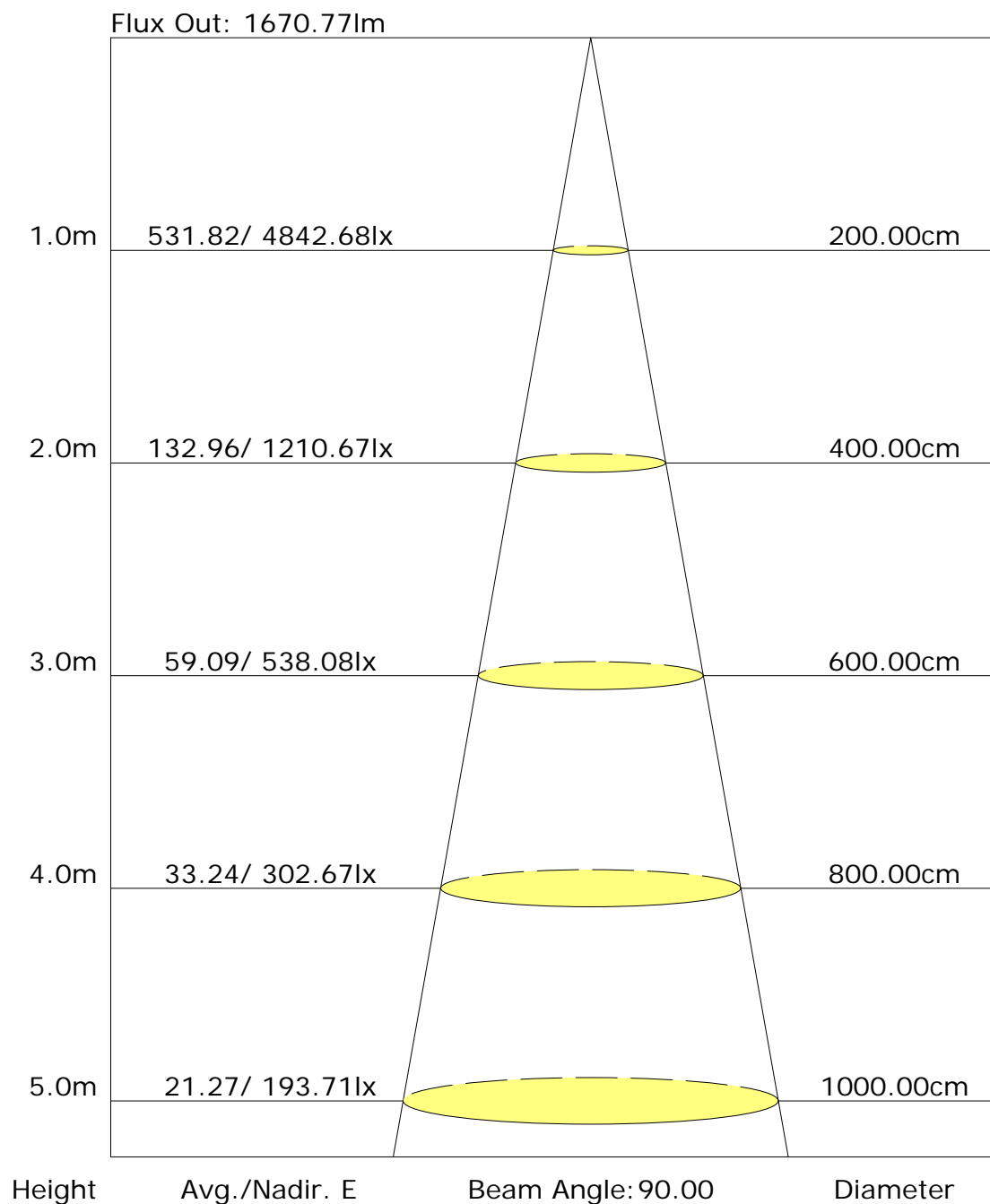
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

The average illuminance effective figure



Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	4842.7	4842.7								
G1.0	4867.1	4781.2								
G2.0	4831.8	4696.3								
G3.0	4779.4	4589.7								
G4.0	4717.1	4455.0								
G5.0	4644.8	4322.2								
G6.0	4568.9	4200.2								
G7.0	4489.4	4070.1								
G8.0	4426.1	3944.4								
G9.0	4355.6	3806.2								
G10.0	4262.5	3677.9								
G11.0	4142.4	3532.4								
G12.0	3994.1	3365.2								
G13.0	3799.0	3189.0								
G14.0	3565.8	3009.2								
G15.0	3308.3	2814.0								
G16.0	3035.4	2617.0								
G17.0	2735.4	2426.3								
G18.0	2444.4	2230.2								
G19.0	2147.1	2016.1								
G20.0	1851.6	1804.6								
G21.0	1567.8	1579.6								
G22.0	1309.4	1361.8								
G23.0	1071.7	1154.9								
G24.0	862.1	956.1								
G25.0	686.8	773.5								
G26.0	539.5	617.2								
G27.0	417.5	485.3								
G28.0	325.3	376.8								
G29.0	255.7	290.1								
G30.0	206.9	225.9								
G31.0	174.4	180.7								
G32.0	149.1	149.1								
G33.0	130.1	127.4								
G34.0	113.9	109.3								
G35.0	99.4	94.0								
G36.0	85.8	81.3								

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	75.9	69.6								
G38.0	63.3	58.7								
G39.0	56.9	51.5								
G40.0	47.0	43.4								
G41.0	41.6	38.0								
G42.0	35.2	33.4								
G43.0	30.7	28.9								
G44.0	26.2	27.1								
G45.0	22.6	21.7								
G46.0	19.0	19.9								
G47.0	15.4	15.4								
G48.0	13.6	13.6								
G49.0	9.9	9.9								
G50.0	8.1	9.0								
G51.0	5.4	6.3								
G52.0	4.5	4.5								
G53.0	2.7	0.9								
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:

Unit: cd

Inspector: