

Report No.: 51.03515 Recessed Downlight Test Time: 2022-05-25 18:59

Luminaire Property

Luminaire Category: Bridgelux 3535 3000K CRI90

Voltage: 221.0 V

Current: 0.013 A

Power: 1.40 W

Power Factor: 0.474

Photometric Results

CIE Class: Direct

Measurement Flux: 76.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(25%,50%,75%,100%): H28.7,H20.2,H13,H2

Vertical Diffuse Angle(25%,50%,75%,100%): V28.7,V20.2,V13,V2

Luminaire Efficacy Rating (LER): 55

Max. Intensity: 479.39 cd

Total Rated Lamp Lumens: 76.6 lm

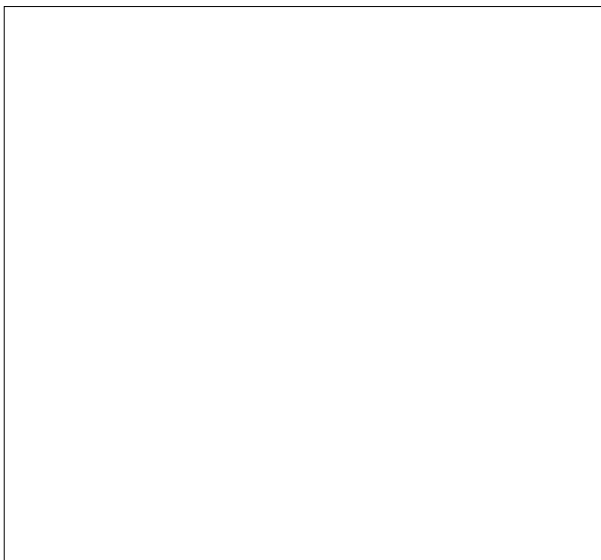
Efficiency: 100%

Upward Ratio: 0%

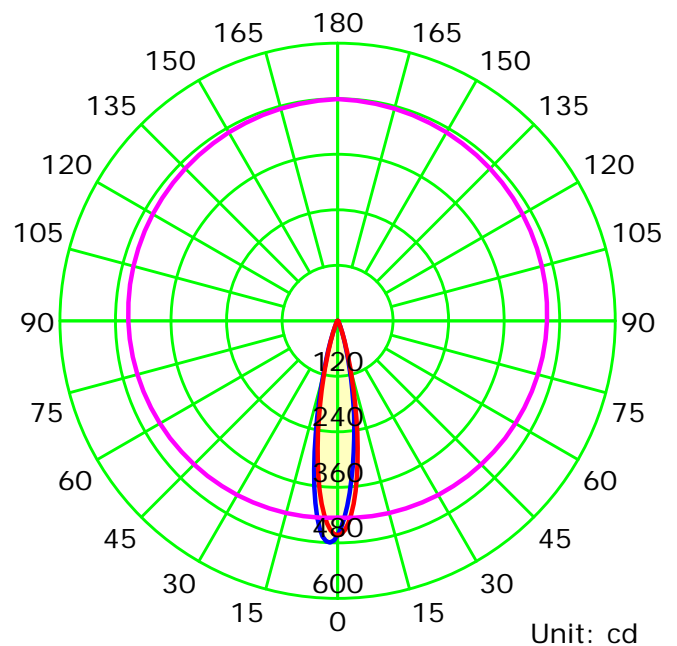
Central Intensity: 463.18 cd

Pos of Max. Intensity: H180 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 20.2°

— 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

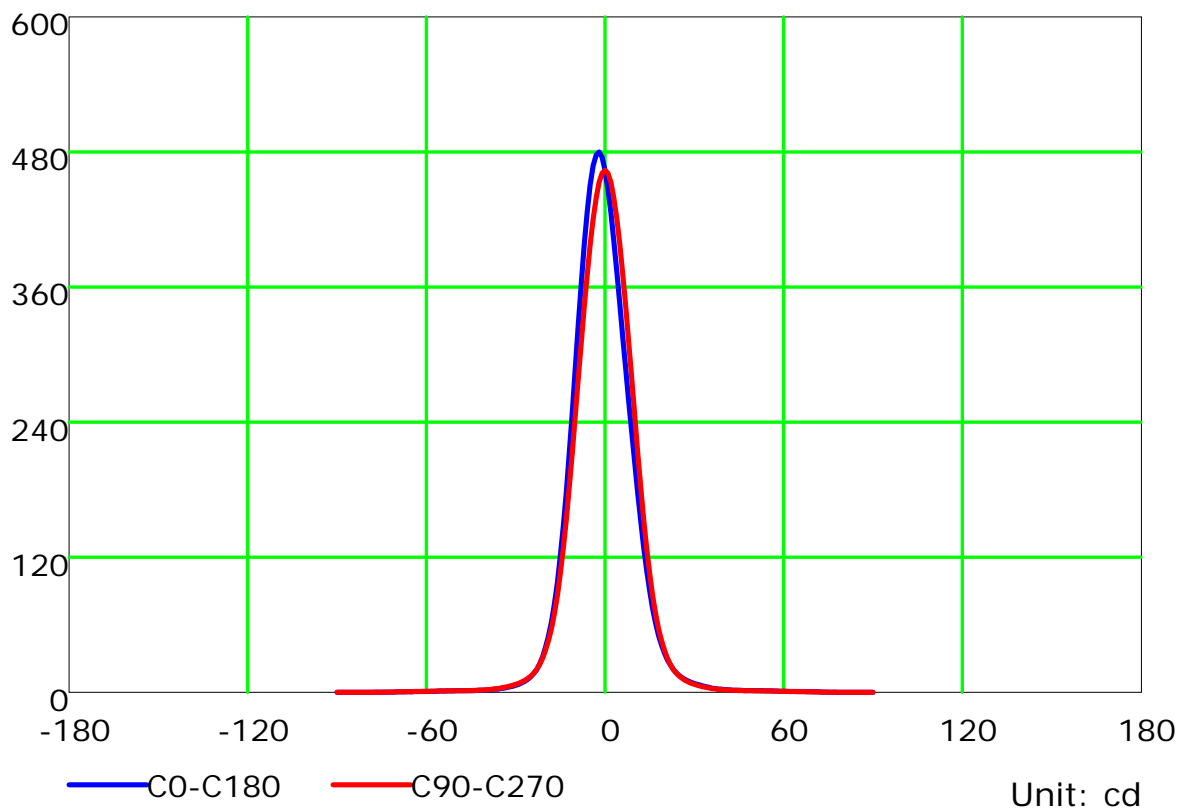
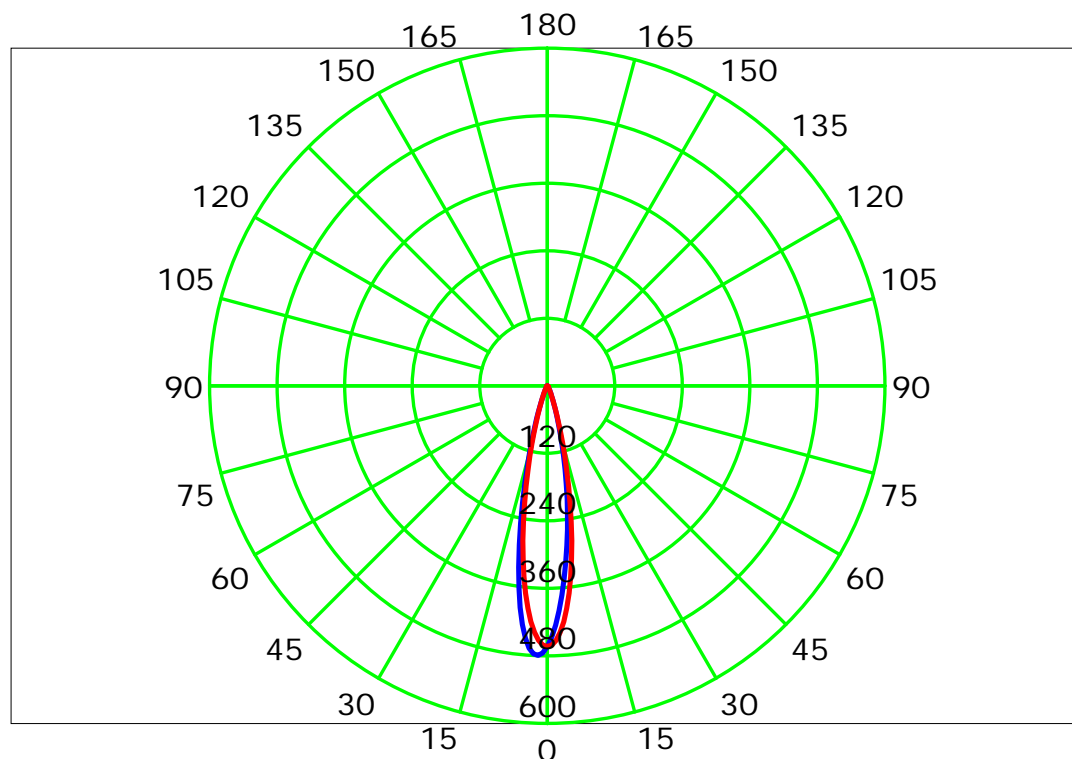
Test Device: CHL-6E

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

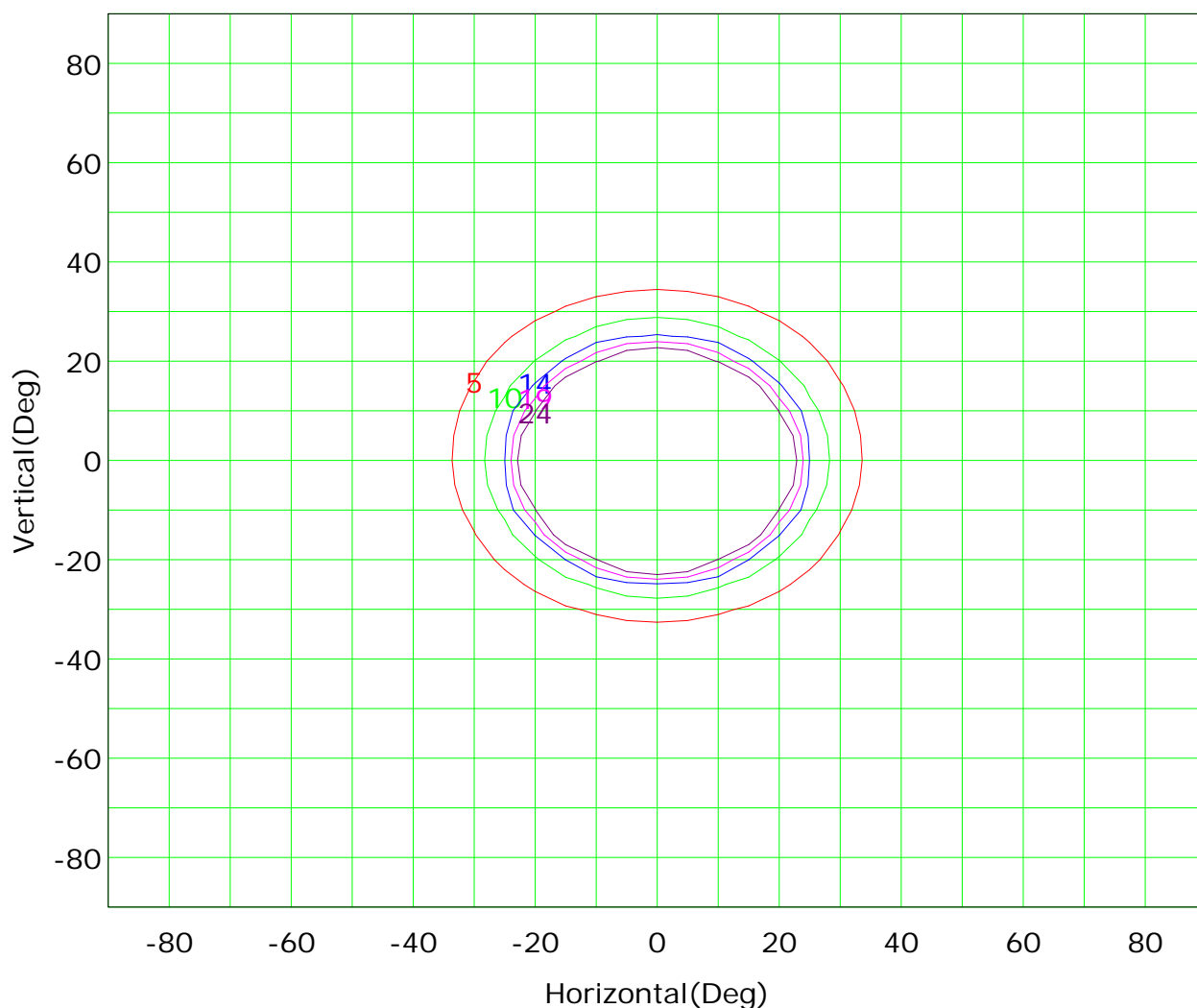
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 479 cd

— (1%):	5 cd	— (2%):	10 cd
— (3%):	14 cd	— (4%):	19 cd
— (5%):	24 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

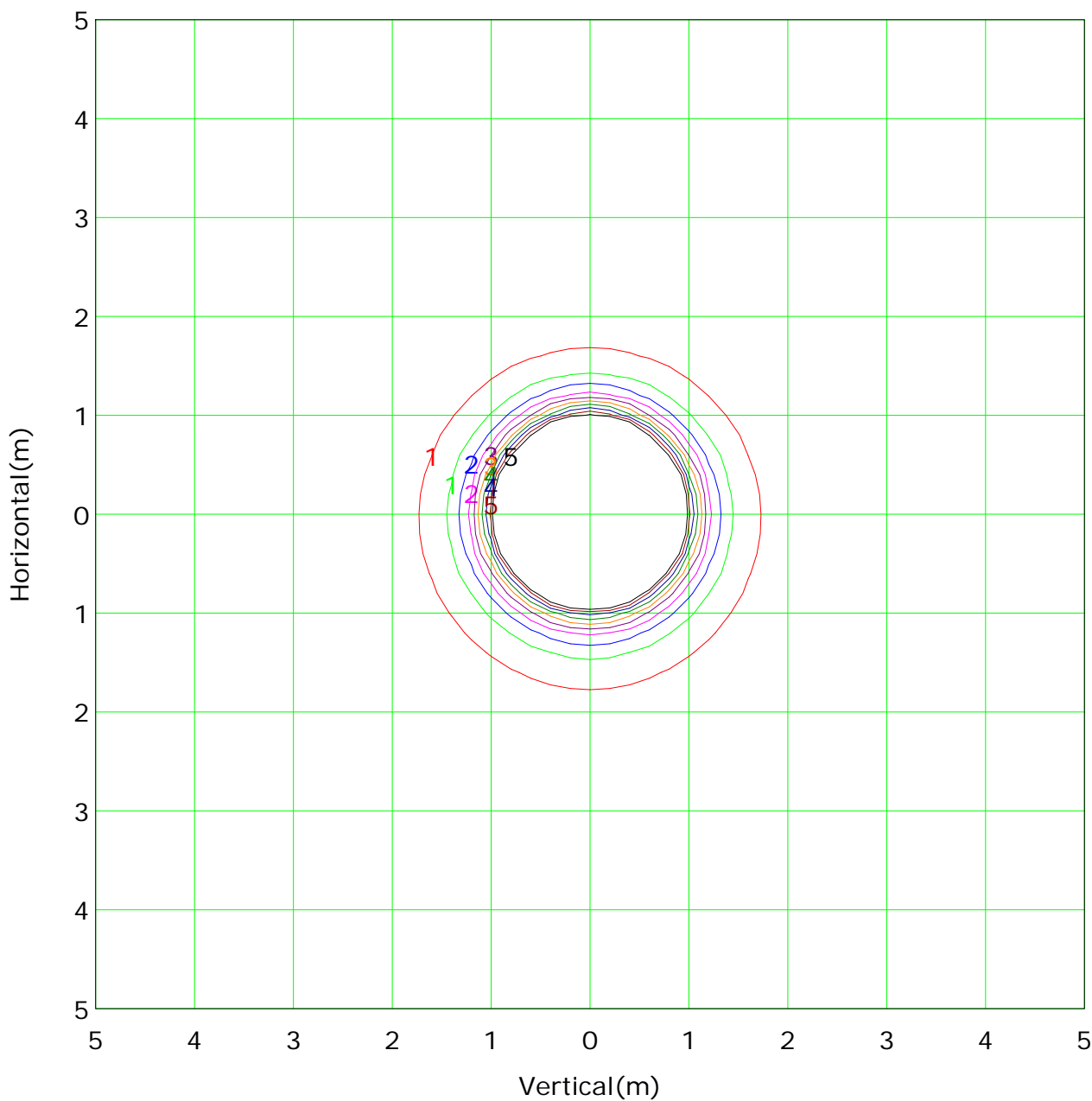
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m Max Lux(100%): 53 lx			
— (1%):	1 lx	— (2%):	1 lx
— (3%):	2 lx	— (4%):	2 lx
— (5%):	3 lx	— (6%):	3 lx
— (7%):	4 lx	— (8%):	4 lx
— (9%):	5 lx	— (10%):	5 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

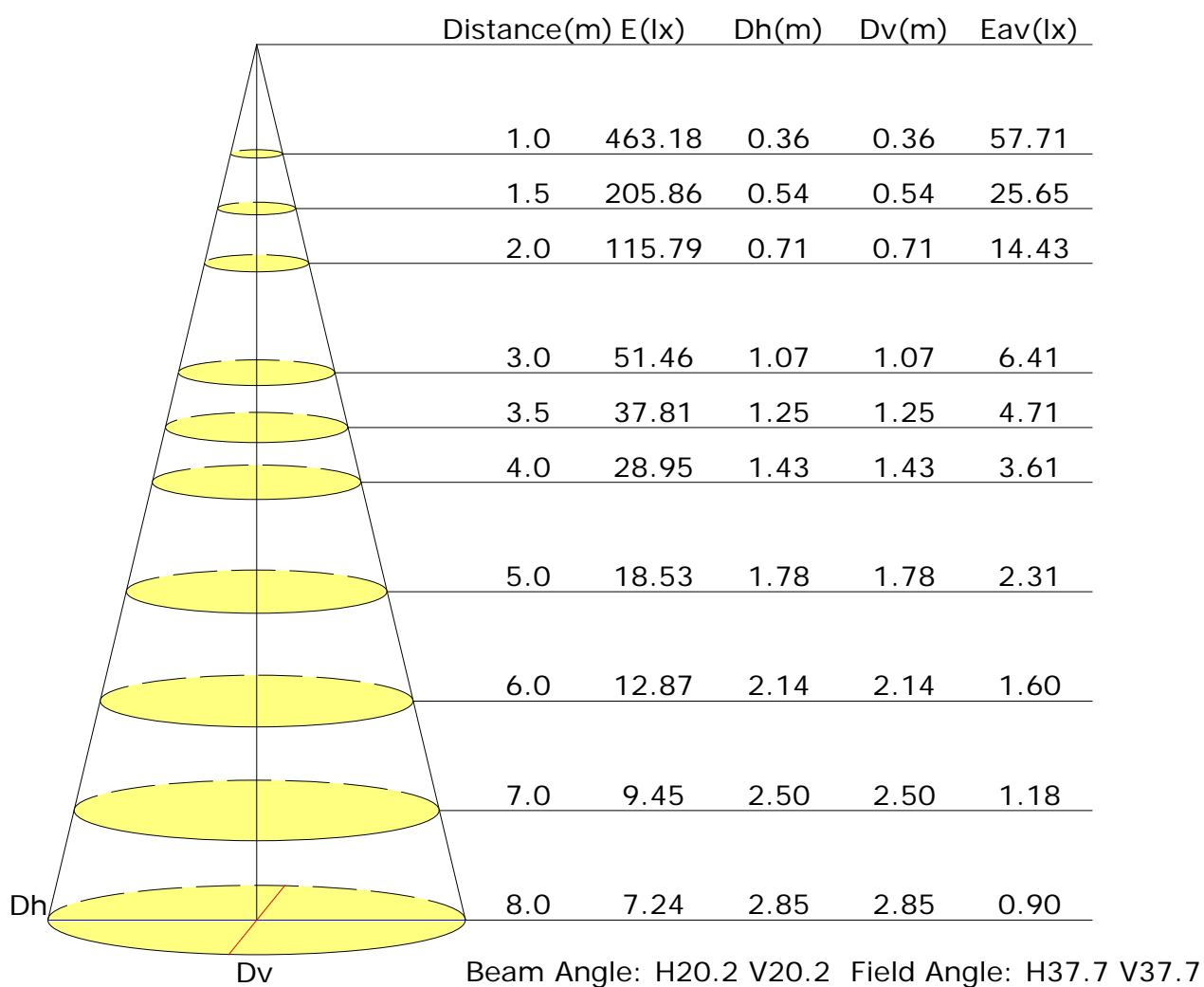
Test Device: CHL-6E

Distance: 3.000 m

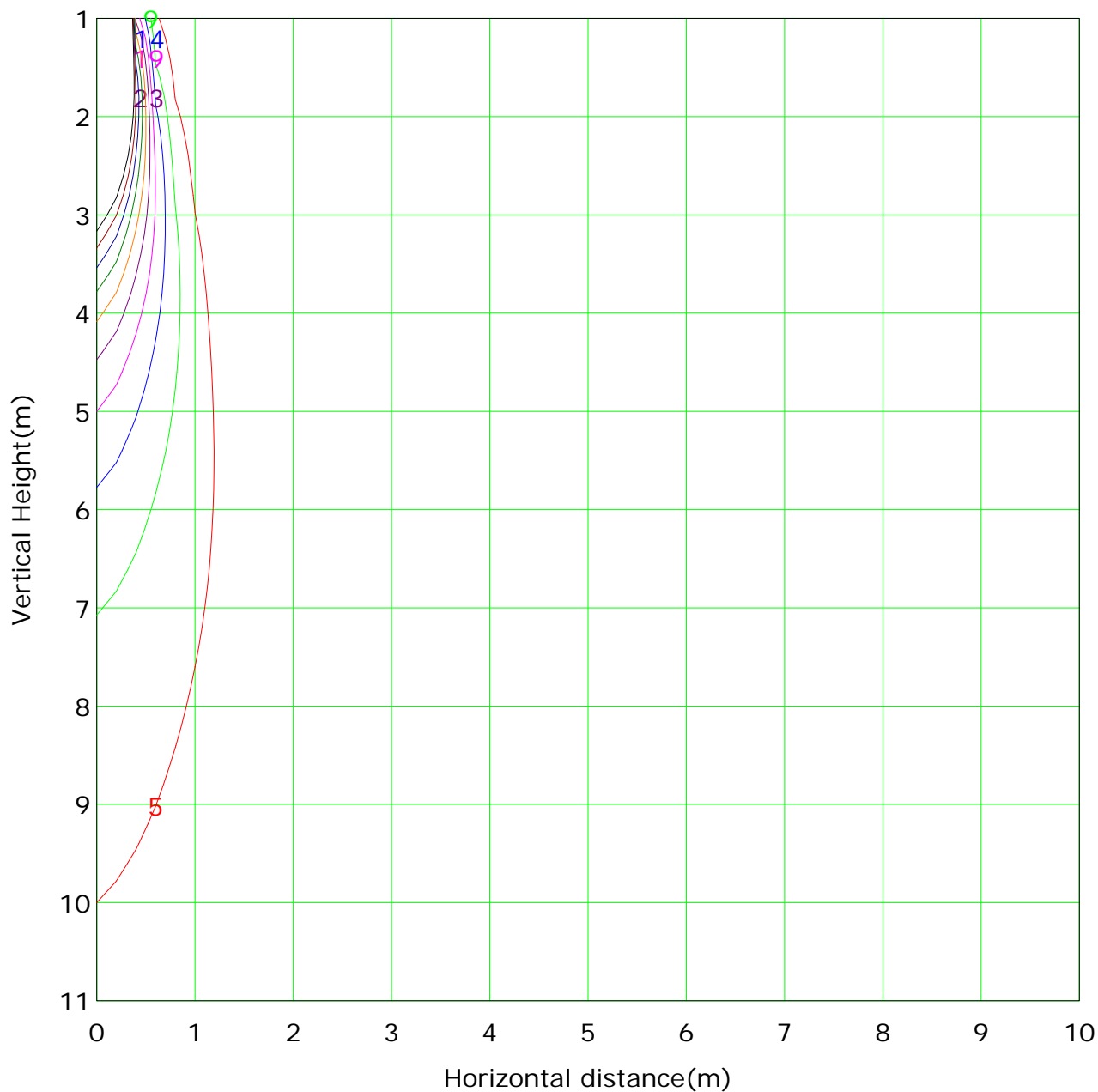
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 463	
(1%): 5 lx	(2%): 9 lx
(3%): 14 lx	(4%): 19 lx
(5%): 23 lx	(6%): 28 lx
(7%): 32 lx	(8%): 37 lx
(9%): 42 lx	(10%): 46 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

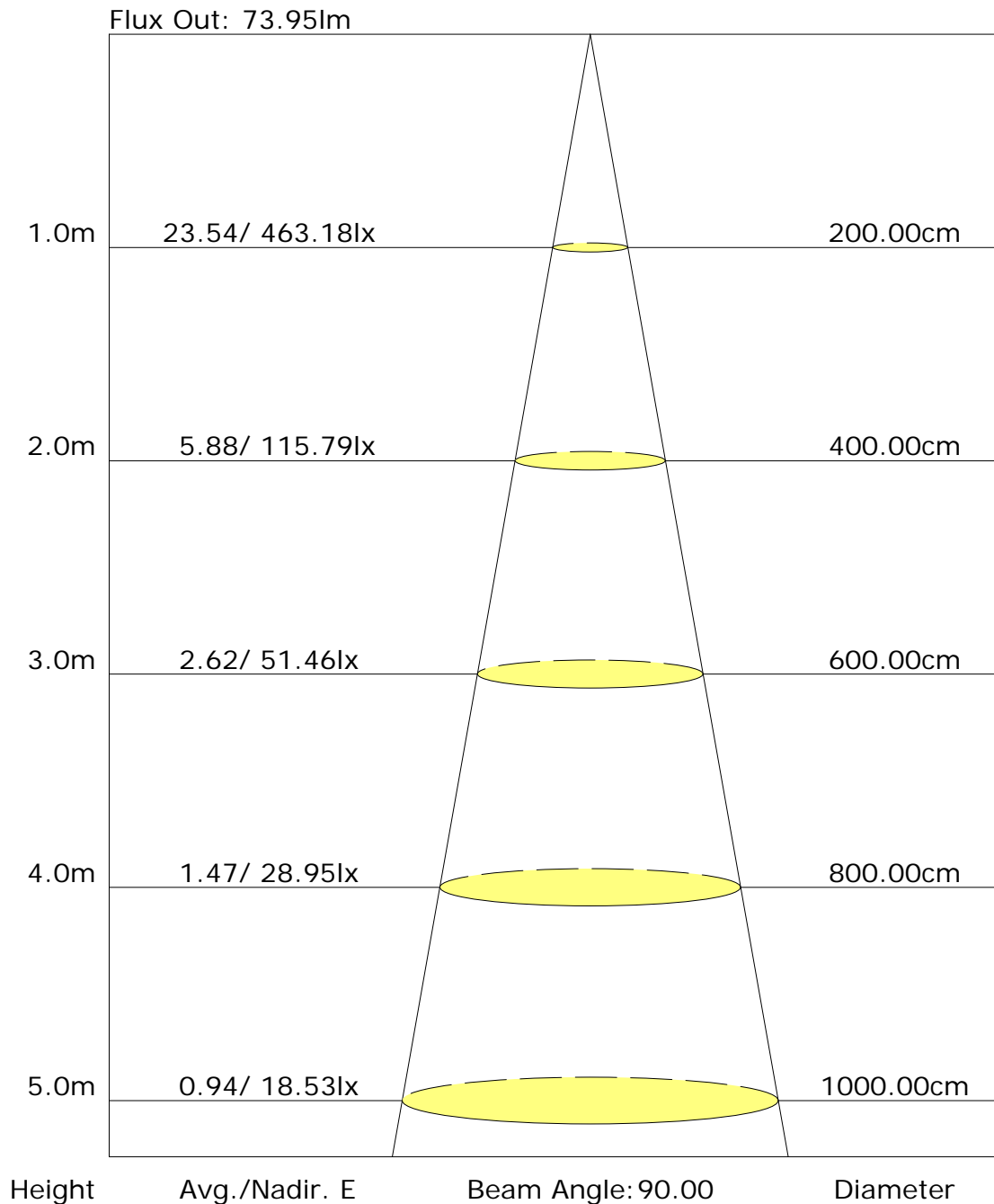
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

The average illuminance effective figure



Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	463.2	463.2								
G1.0	446.8	474.7								
G2.0	425.6	479.4								
G3.0	400.5	477.0								
G4.0	372.9	467.3								
G5.0	343.7	450.0								
G6.0	314.8	426.5								
G7.0	286.2	397.0								
G8.0	258.1	363.0								
G9.0	230.7	326.3								
G10.0	203.3	286.9								
G11.0	177.1	249.1								
G12.0	152.4	212.9								
G13.0	129.5	178.7								
G14.0	108.5	148.0								
G15.0	90.2	121.3								
G16.0	74.6	97.8								
G17.0	61.5	78.5								
G18.0	50.8	62.7								
G19.0	42.0	50.1								
G20.0	34.7	39.8								
G21.0	28.8	31.4								
G22.0	24.2	25.0								
G23.0	20.3	20.2								
G24.0	17.3	16.6								
G25.0	14.9	13.7								
G26.0	13.0	11.5								
G27.0	11.3	9.7								
G28.0	10.1	8.5								
G29.0	8.8	7.2								
G30.0	7.9	6.3								
G31.0	7.1	5.4								
G32.0	6.4	4.9								
G33.0	5.6	4.3								
G34.0	5.0	3.8								
G35.0	4.4	3.4								
G36.0	3.7	2.9								

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	3.4	2.9								
G38.0	2.9	2.5								
G39.0	2.9	2.2								
G40.0	2.5	2.1								
G41.0	2.3	1.9								
G42.0	2.2	2.0								
G43.0	2.0	1.7								
G44.0	1.9	1.5								
G45.0	1.9	1.4								
G46.0	1.7	1.4								
G47.0	1.5	1.4								
G48.0	1.6	1.4								
G49.0	1.6	1.4								
G50.0	1.5	1.4								
G51.0	1.4	1.4								
G52.0	1.4	1.4								
G53.0	1.4	1.4								
G54.0	1.4	1.2								
G55.0	1.4	1.3								
G56.0	1.4	1.2								
G57.0	1.2	1.0								
G58.0	1.2	1.0								
G59.0	1.0	0.9								
G60.0	1.1	0.8								
G61.0	1.0	0.8								
G62.0	0.8	0.7								
G63.0	0.8	0.7								
G64.0	0.7	0.7								
G65.0	0.7	0.5								
G66.0	0.7	0.6								
G67.0	0.7	0.4								
G68.0	0.6	0.4								
G69.0	0.6	0.4								
G70.0	0.4	0.4								
G71.0	0.4	0.3								
G72.0	0.4	0.3								
G73.0	0.3	0.3								

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:

Unit: cd

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector: