

Report No.:93.05511-ECO Surface Mounted Test Time: 2022-04-26 20:52

Luminaire Property

Luminaire Category: Bridgelux V6HD 3000K CRI90

Voltage: 218.1 V

Current: 0.069 A

Power: 14.60 W

Power Factor: 0.966

Photometric Results

CIE Class: Direct

Measurement Flux: 999.9 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 999.9 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H30.3,H23.5,H17,H2

Vertical Diffuse Angle(25%,50%,75%,100%): V30.3,V23.5,V17,V2

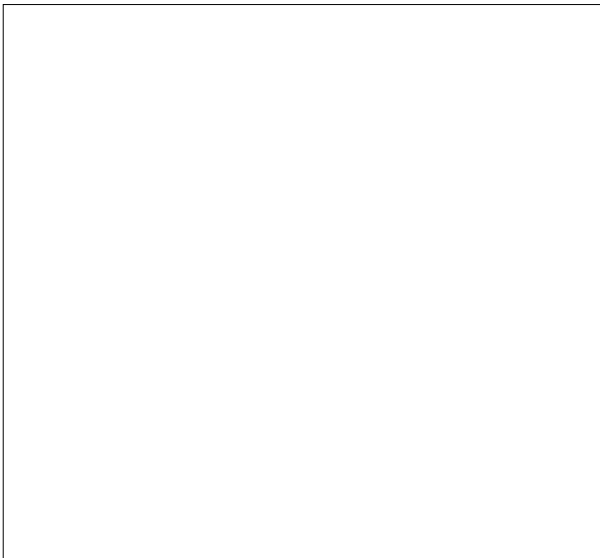
Luminaire Efficacy Rating (LER): 68

Central Intensity: 5567.41 cd

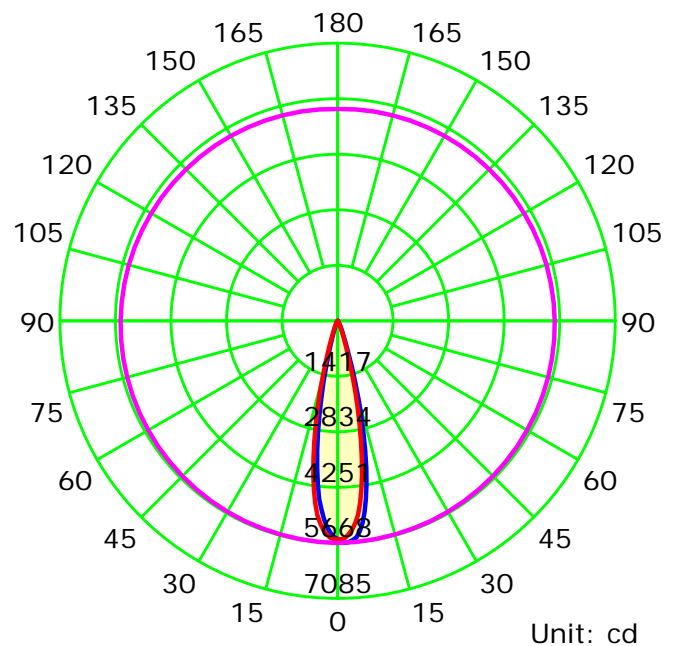
Max. Intensity: 5669.53 cd

Pos of Max. Intensity: H0 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 23.5°

— 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

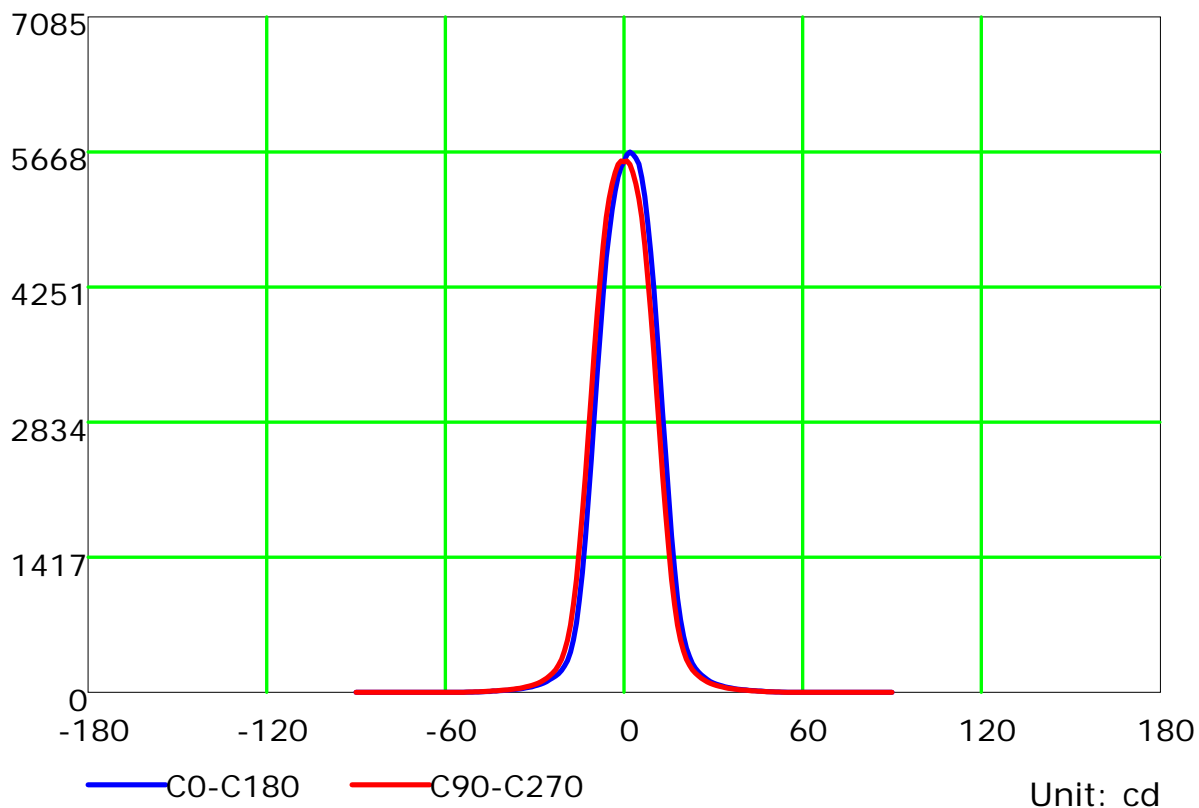
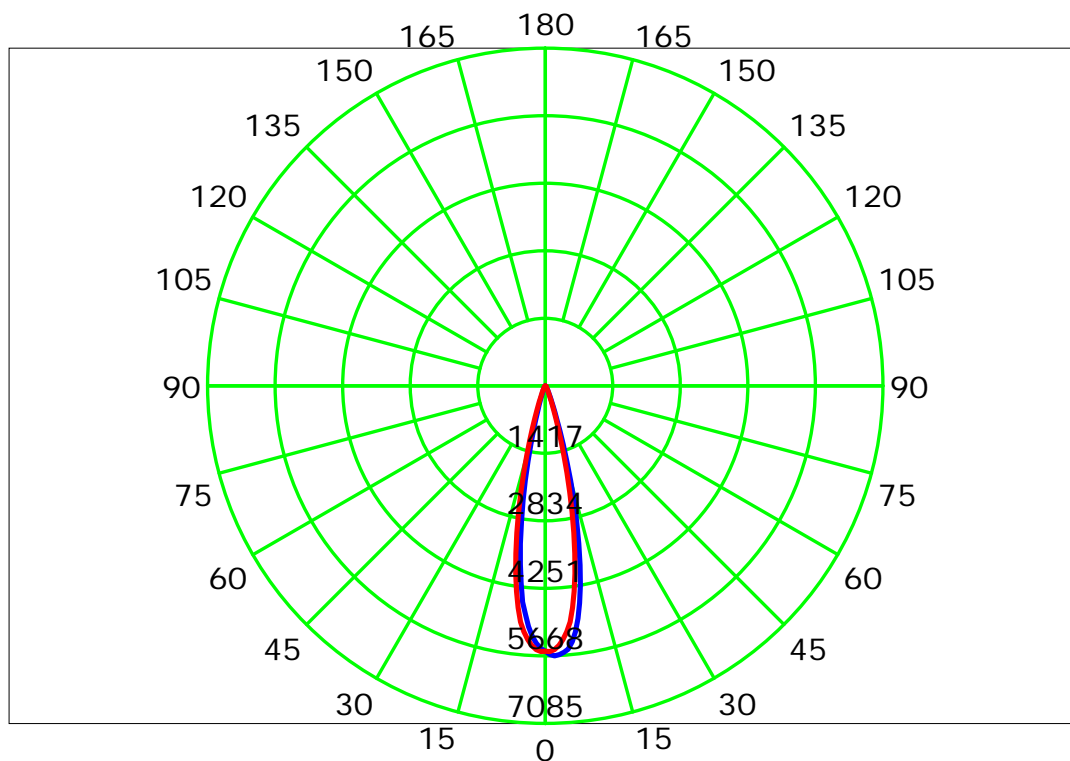
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

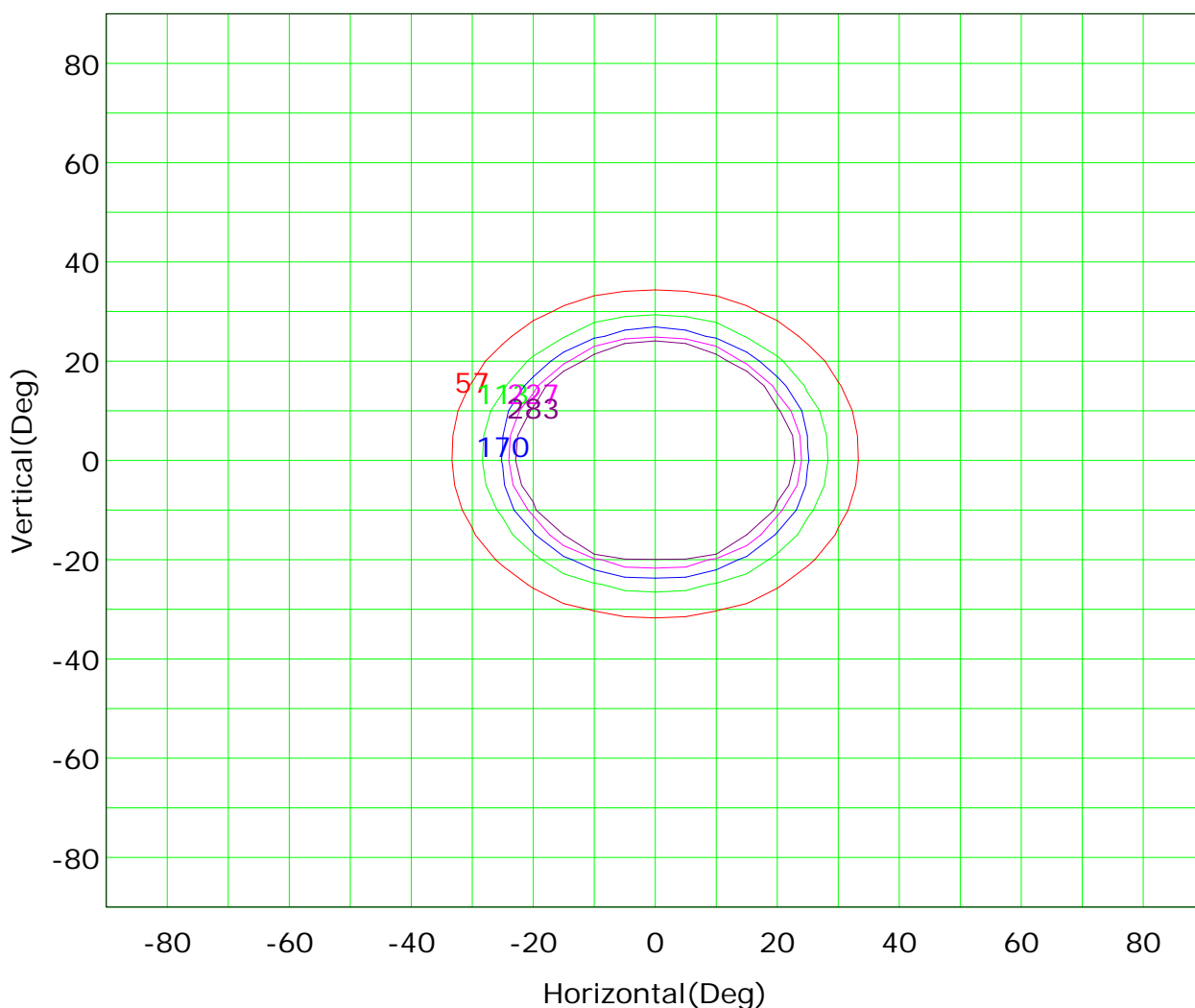
Luminous Intensity Distribution Curve



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%): 5670 cd

(1%):	57 cd	(2%):	113 cd
(3%):	170 cd	(4%):	227 cd
(5%):	283 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

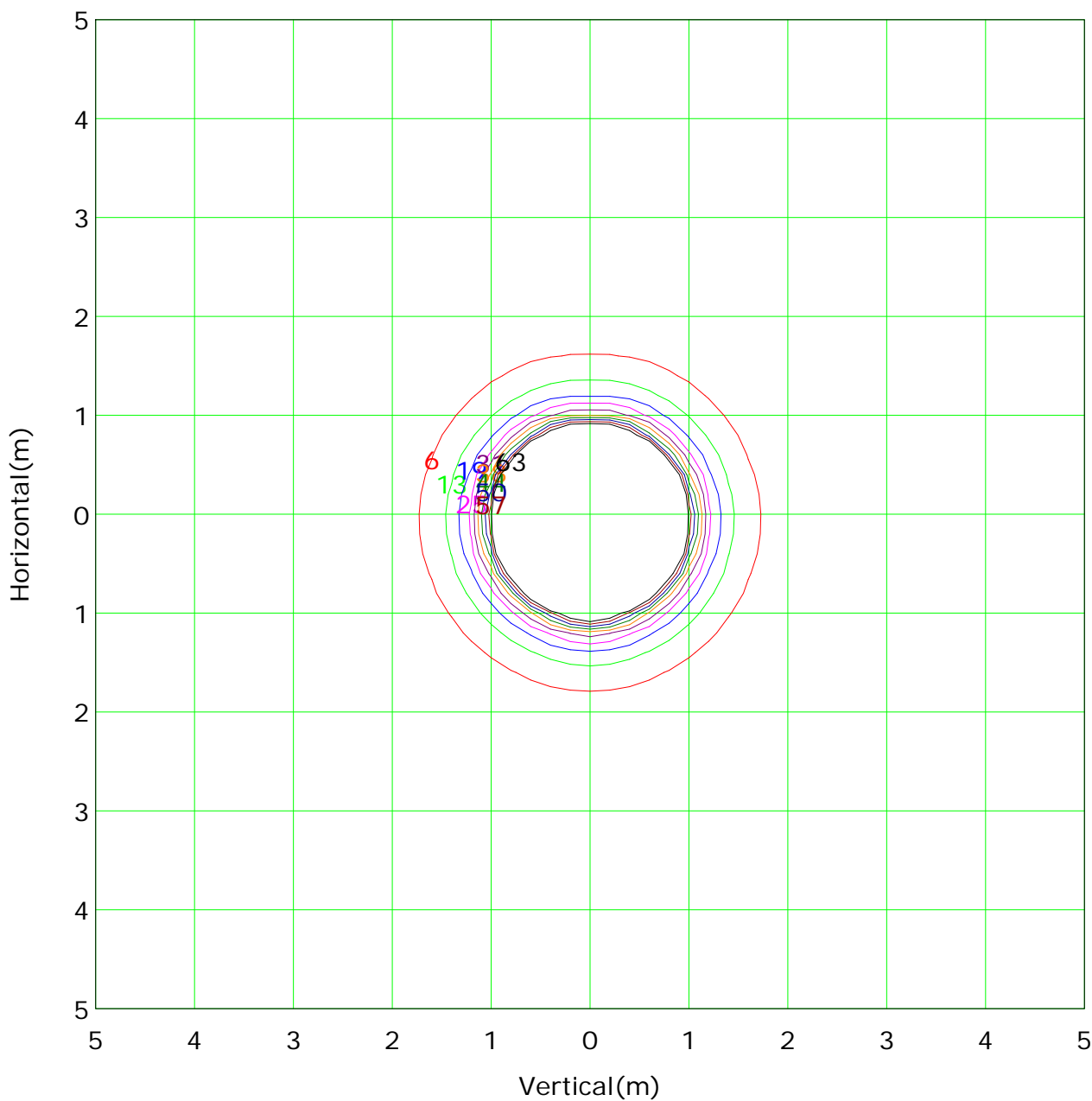
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 629 lx	
— (1%):	6 lx	— (2%):	13 lx
— (3%):	19 lx	— (4%):	25 lx
— (5%):	31 lx	— (6%):	38 lx
— (7%):	44 lx	— (8%):	50 lx
— (9%):	57 lx	— (10%):	63 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

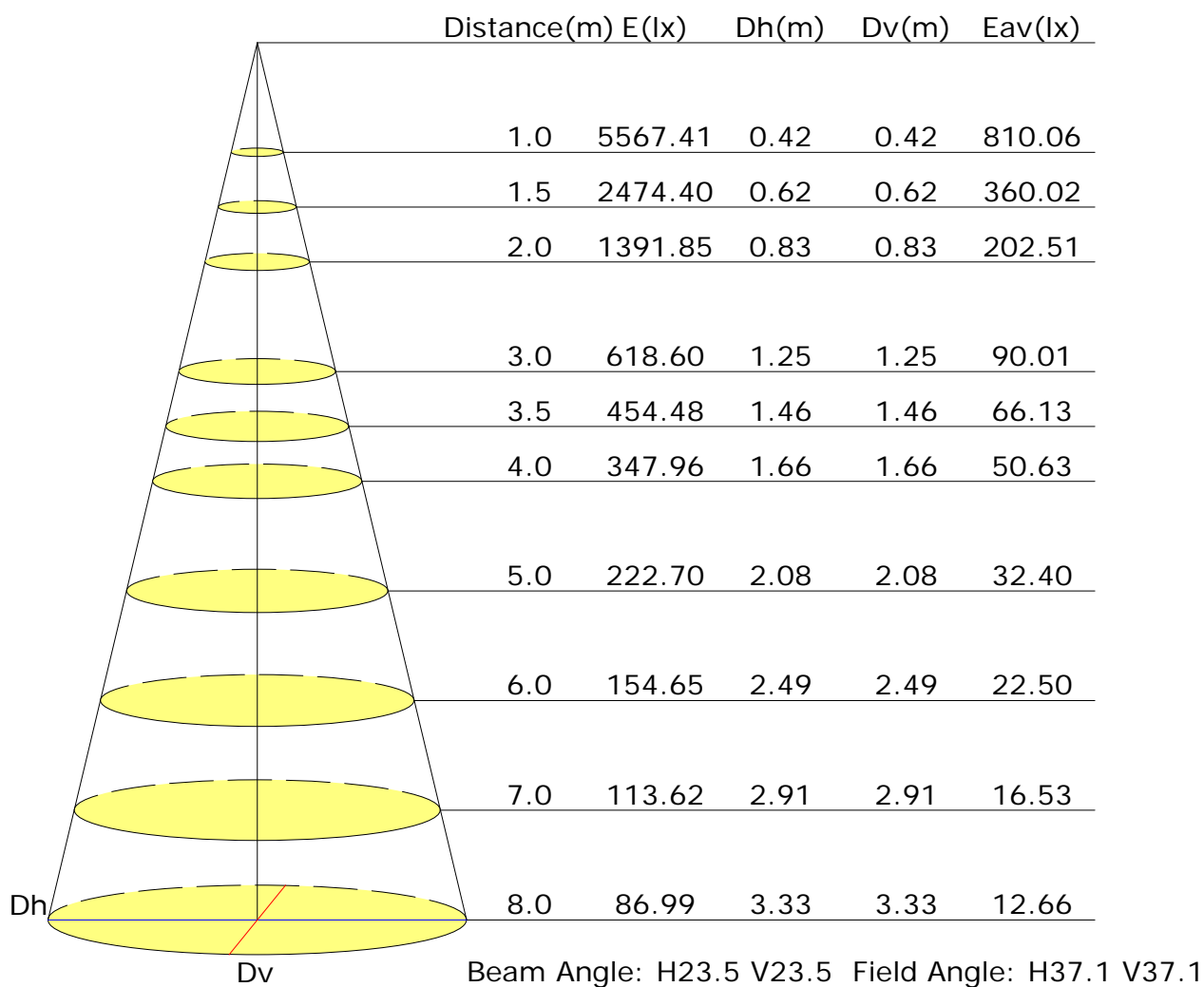
Test Device: CHL-6E

Distance: 3.000 m

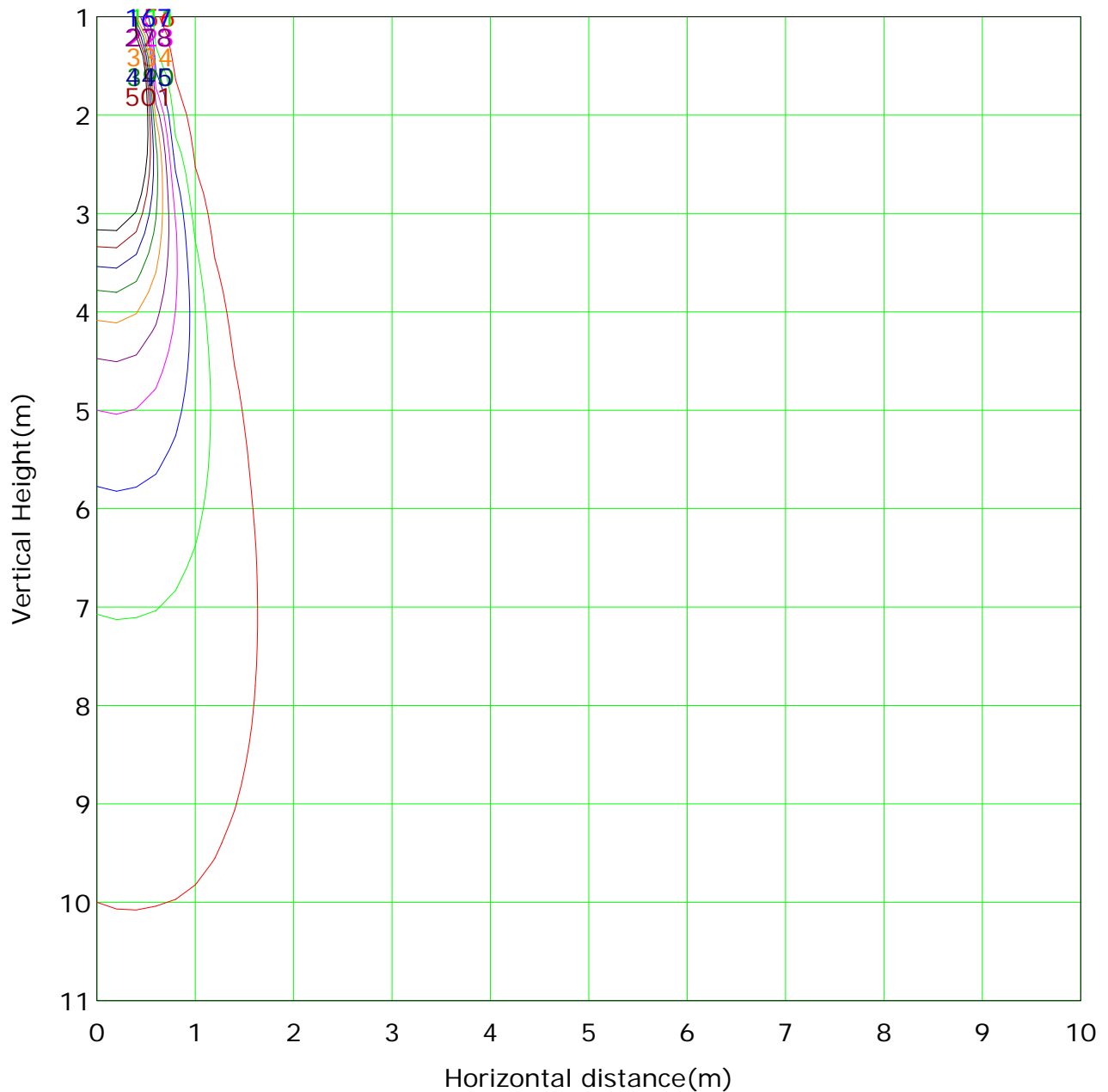
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 5567	
(1%): 56 lx	(2%): 111 lx
(3%): 167 lx	(4%): 223 lx
(5%): 278 lx	(6%): 334 lx
(7%): 390 lx	(8%): 445 lx
(9%): 501 lx	(10%): 557 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

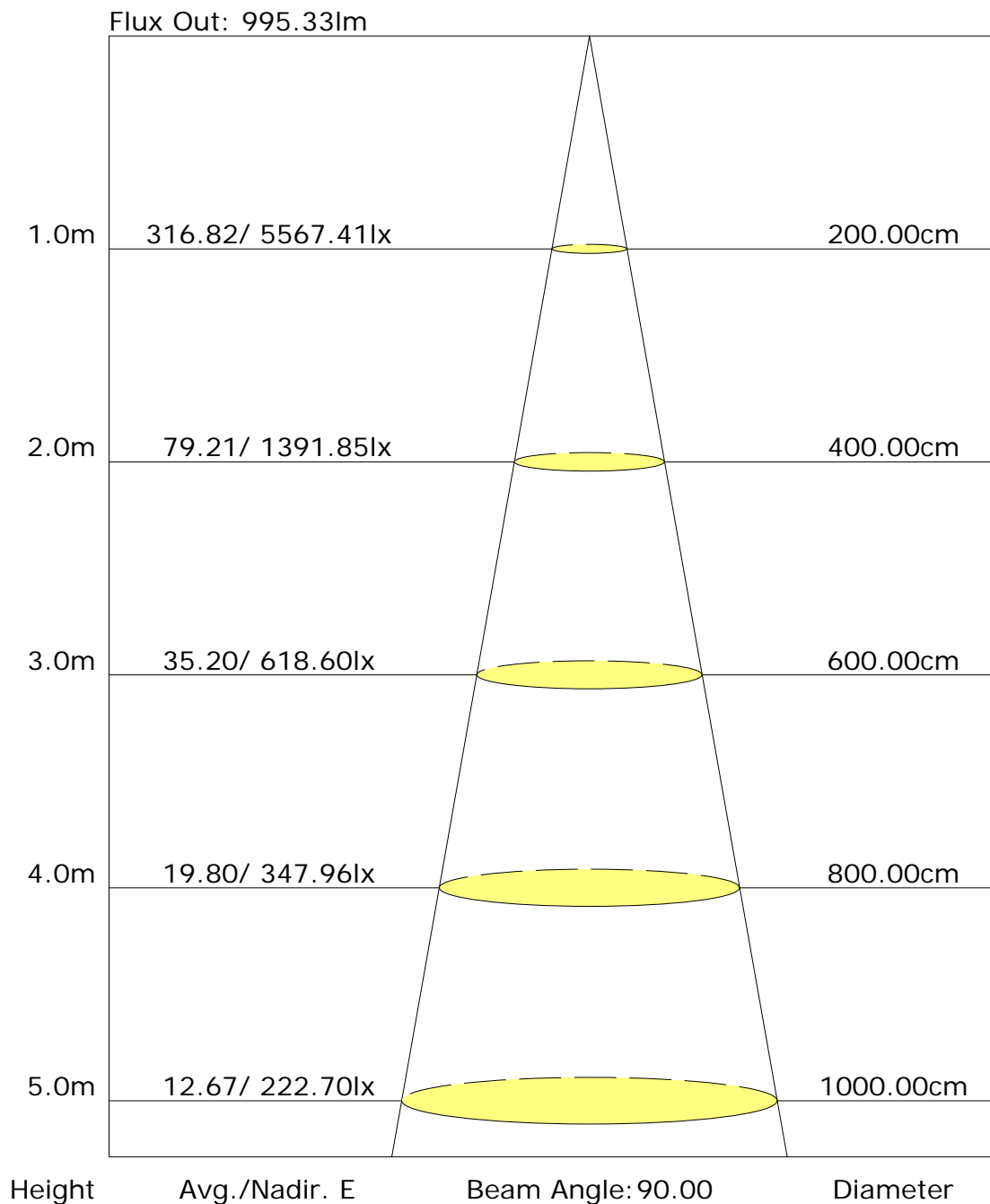
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

The average illuminance effective figure



Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	5567.4	5567.4								
G1.0	5641.5	5512.3								
G2.0	5669.5	5409.3								
G3.0	5647.8	5262.0								
G4.0	5606.3	5065.0								
G5.0	5544.8	4815.6								
G6.0	5401.1	4564.4								
G7.0	5202.3	4181.2								
G8.0	4931.2	3778.2								
G9.0	4614.1	3358.0								
G10.0	4250.8	2898.0								
G11.0	3831.5	2448.9								
G12.0	3383.3	2022.4								
G13.0	2935.1	1621.2								
G14.0	2504.9	1257.0								
G15.0	2059.4	968.7								
G16.0	1641.9	726.5								
G17.0	1291.3	549.4								
G18.0	990.4	423.8								
G19.0	762.7	332.5								
G20.0	591.0	275.6								
G21.0	463.6	231.3								
G22.0	375.0	196.1								
G23.0	303.6	171.7								
G24.0	253.0	151.8								
G25.0	214.2	133.7								
G26.0	183.4	113.9								
G27.0	159.0	97.6								
G28.0	134.6	85.8								
G29.0	113.9	75.9								
G30.0	97.6	67.8								
G31.0	86.8	58.7								
G32.0	75.9	53.3								
G33.0	67.8	47.9								
G34.0	58.7	41.6								
G35.0	50.6	36.2								
G36.0	46.1	32.5								

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	39.8	28.9								
G38.0	34.3	27.1								
G39.0	30.7	22.6								
G40.0	28.0	21.7								
G41.0	25.3	19.0								
G42.0	21.7	18.1								
G43.0	19.0	14.5								
G44.0	18.1	13.6								
G45.0	14.5	9.9								
G46.0	13.6	9.0								
G47.0	11.8	7.2								
G48.0	8.1	5.4								
G49.0	7.2	4.5								
G50.0	6.3	4.5								
G51.0	4.5	2.7								
G52.0	4.5	2.7								
G53.0	2.7	1.8								
G54.0	1.8	0.0								
G55.0	0.9	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:



Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector: