

Report No.:32.09015-EMMA Track Light Test Time: 2023-06-27 19:09

Luminaire Property

Luminaire Category: Citizen 1206 3000K CRI90

Luminaire Description: 50D

Current: 0.172 A

Power Factor: 0.973

Voltage: 217.0 V

Power: 36.40 W

Photometric Results

CIE Class: Direct

Measurement Flux: 3552.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H38.8

Vertical Diffuse Angle(50%): V38.8

Luminaire Efficacy Rating (LER): 98

Max. Intensity: 6827.76 cd

Total Rated Lamp Lumens: 3552.3 lm

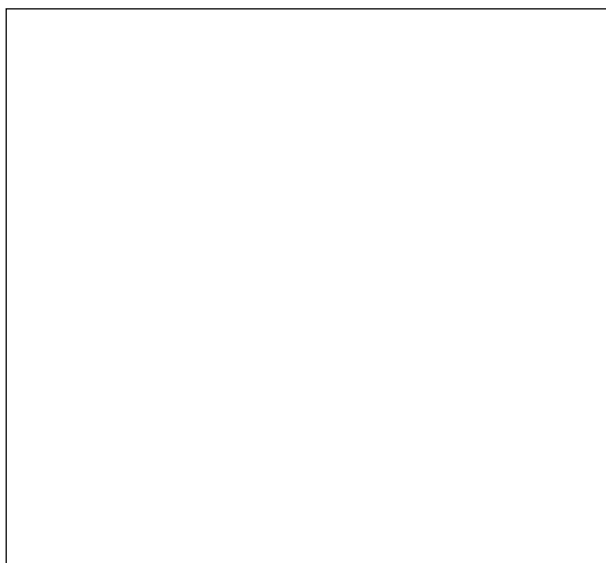
Efficiency: 100%

Upward Ratio: 0%

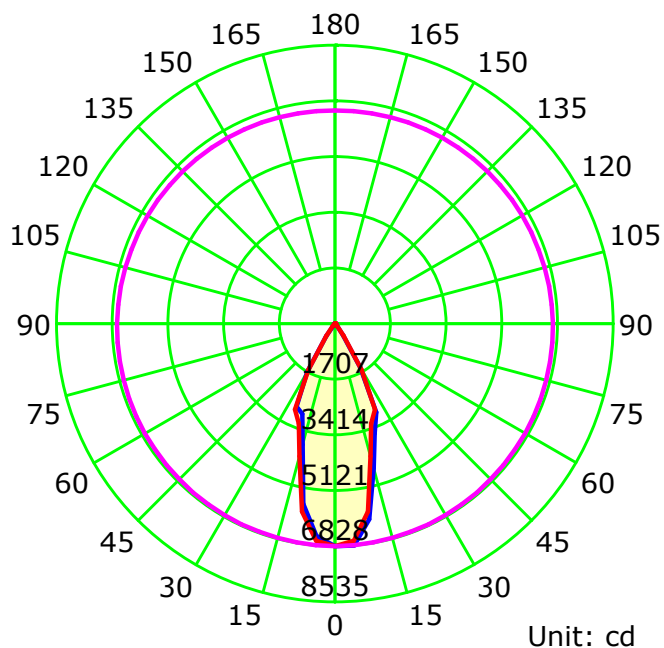
Central Intensity: 6824.72 cd

Pos of Max. Intensity: H0 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

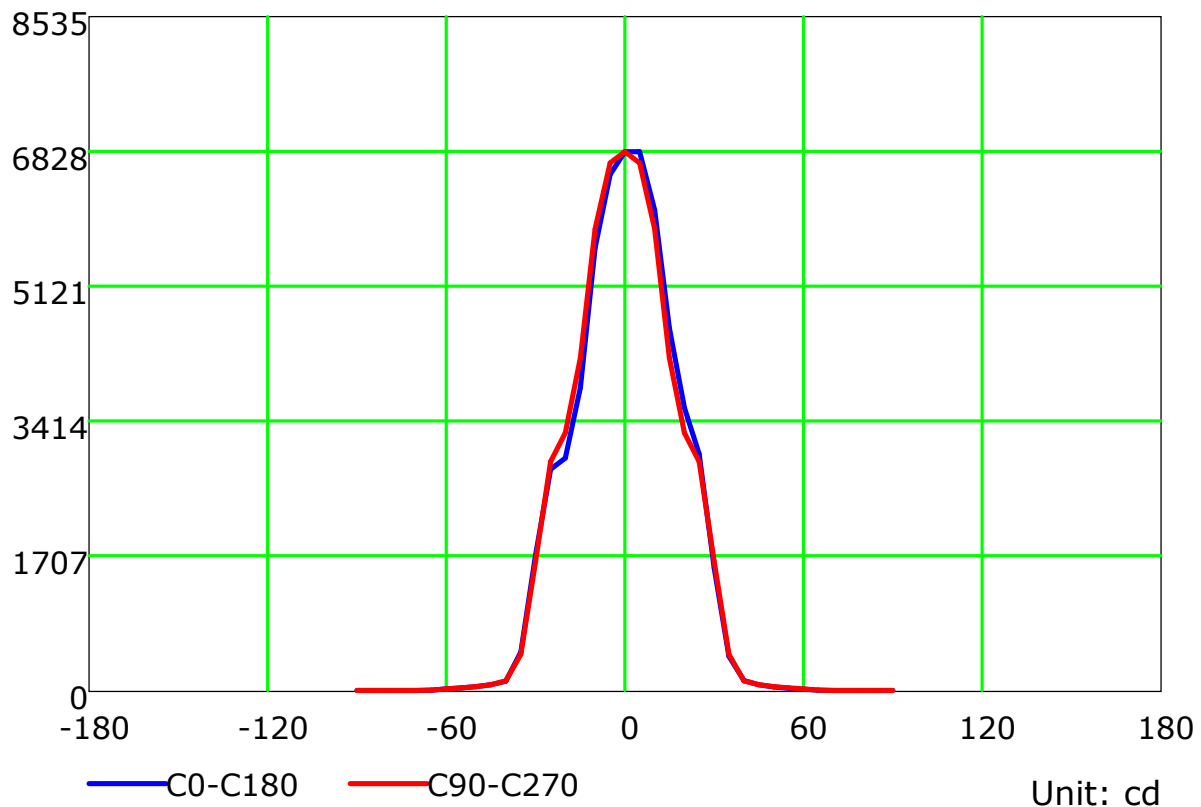
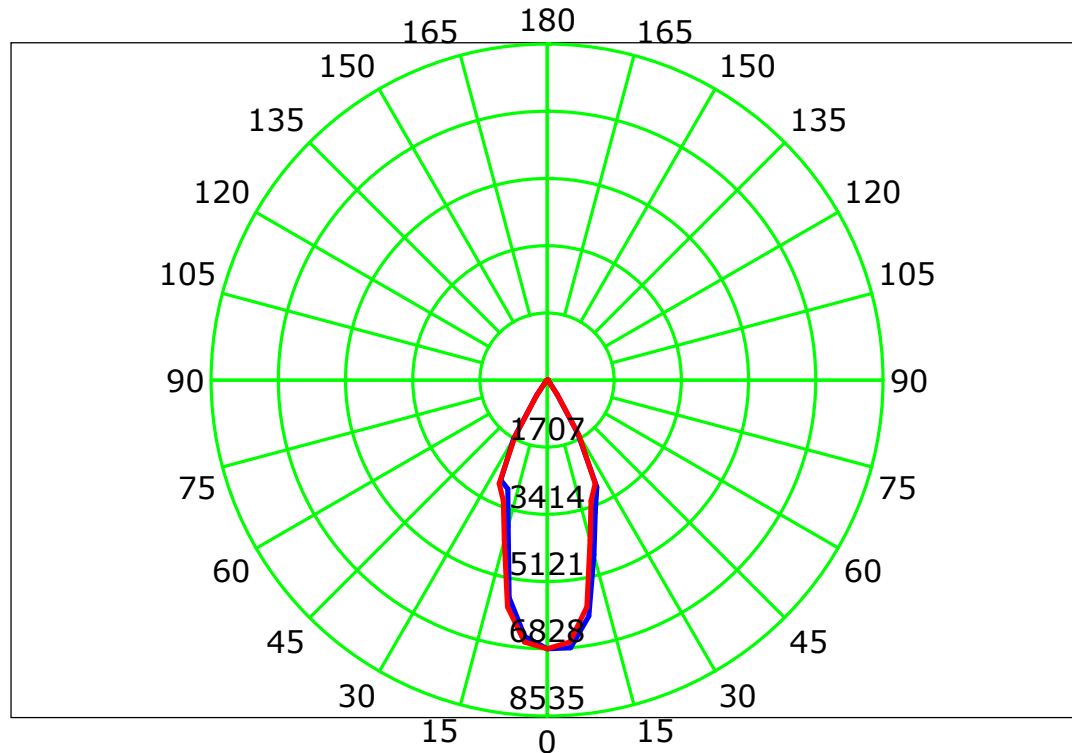
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve

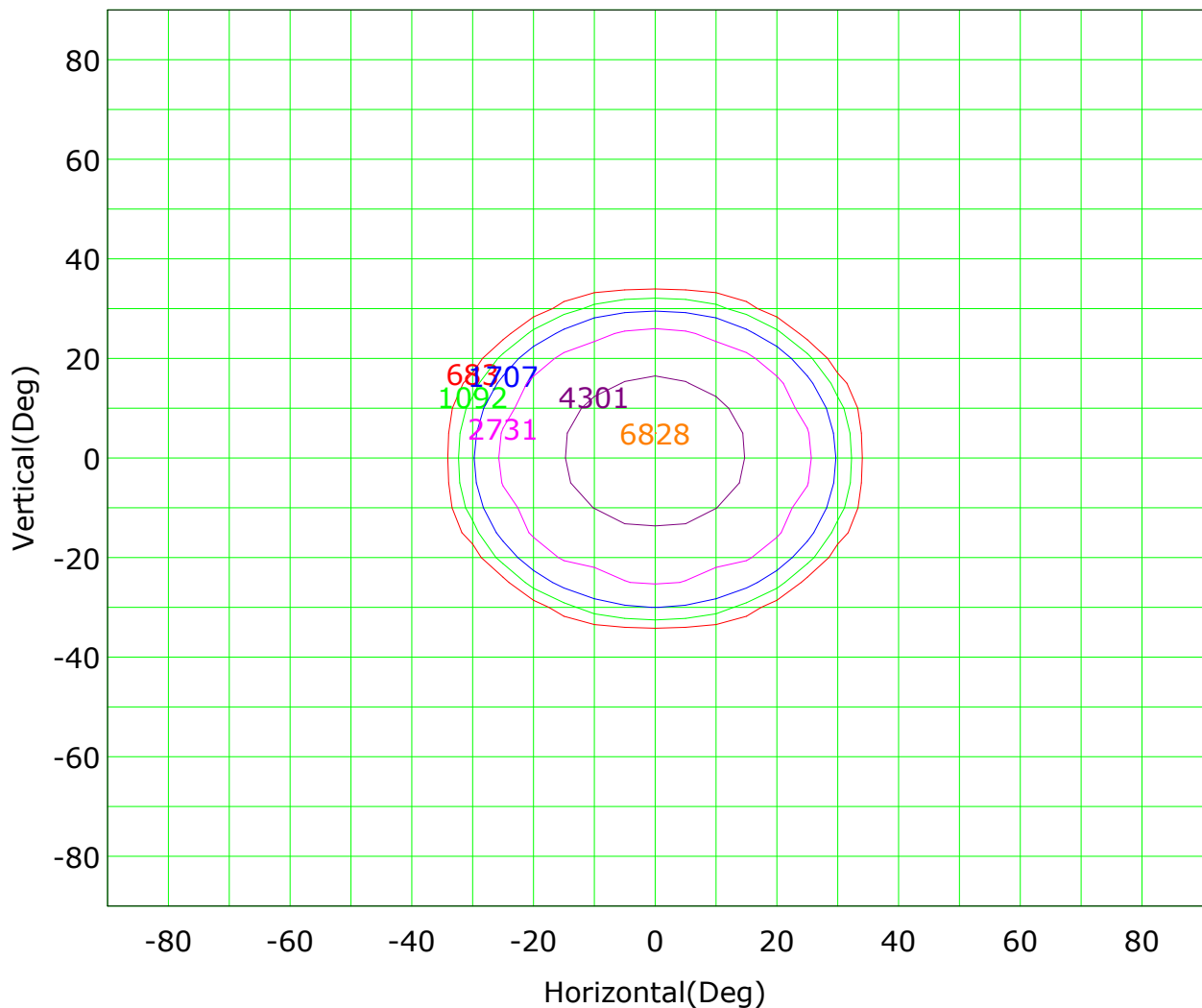


Unit: cd

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 6828 cd

(10%): 683 cd	(16%): 1092 cd
(25%): 1707 cd	(40%): 2731 cd
(63%): 4301 cd	(100%): 6828 cd

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

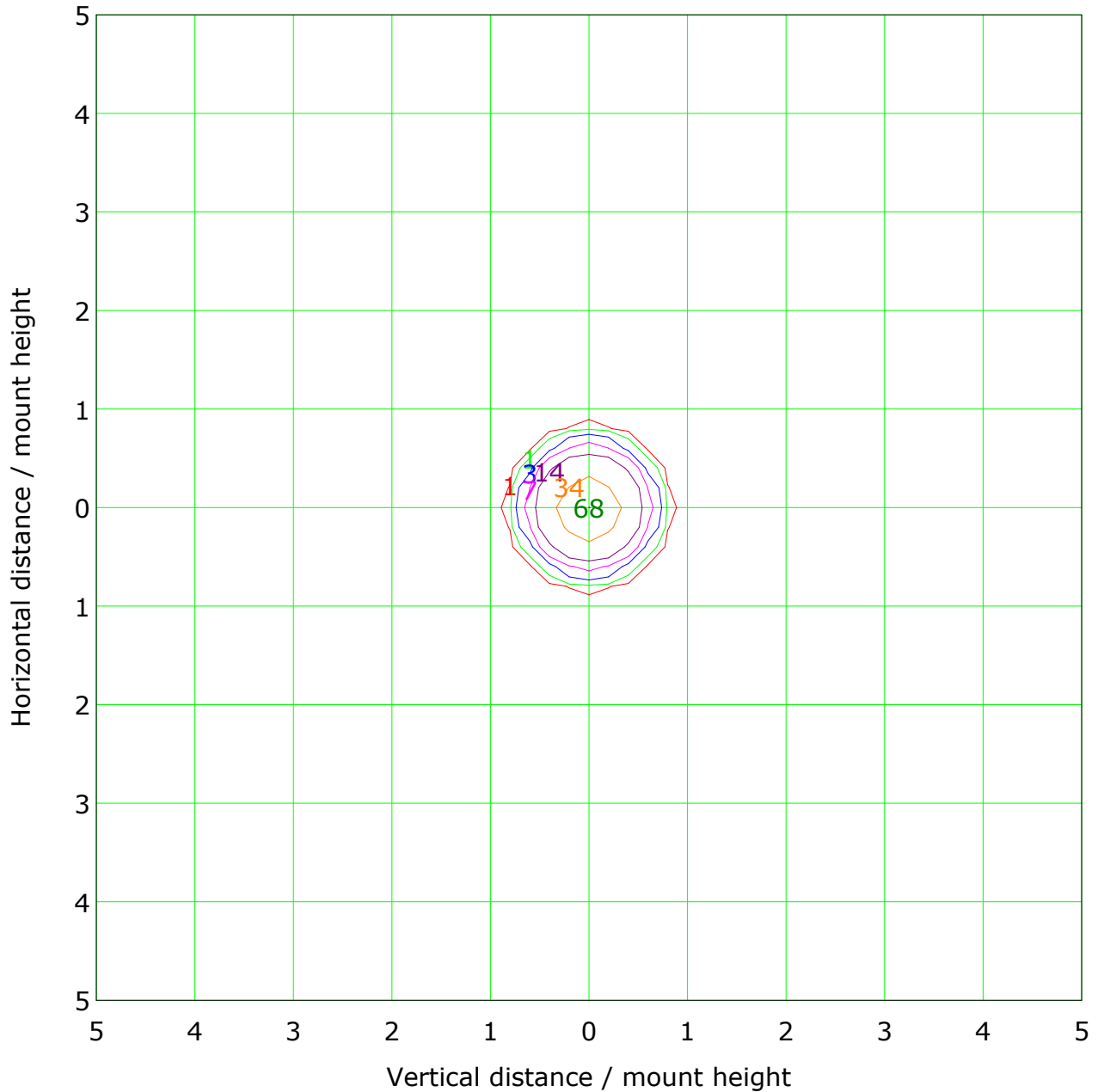
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

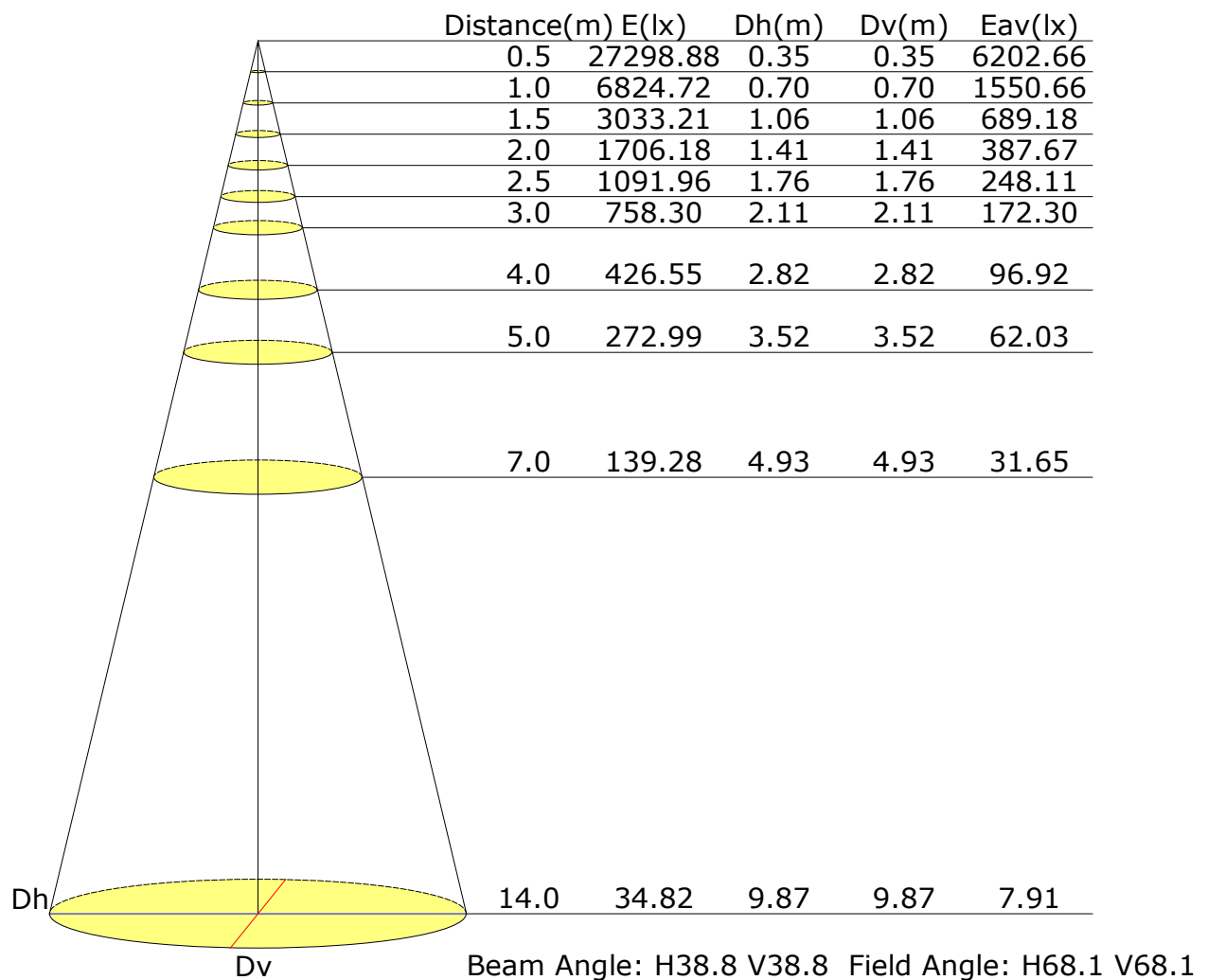


Mounting Height: 10m		Max Lux(100%): 68 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	7 lx
(20%):	14 lx	(50%):	34 lx
(100%):	68 lx		

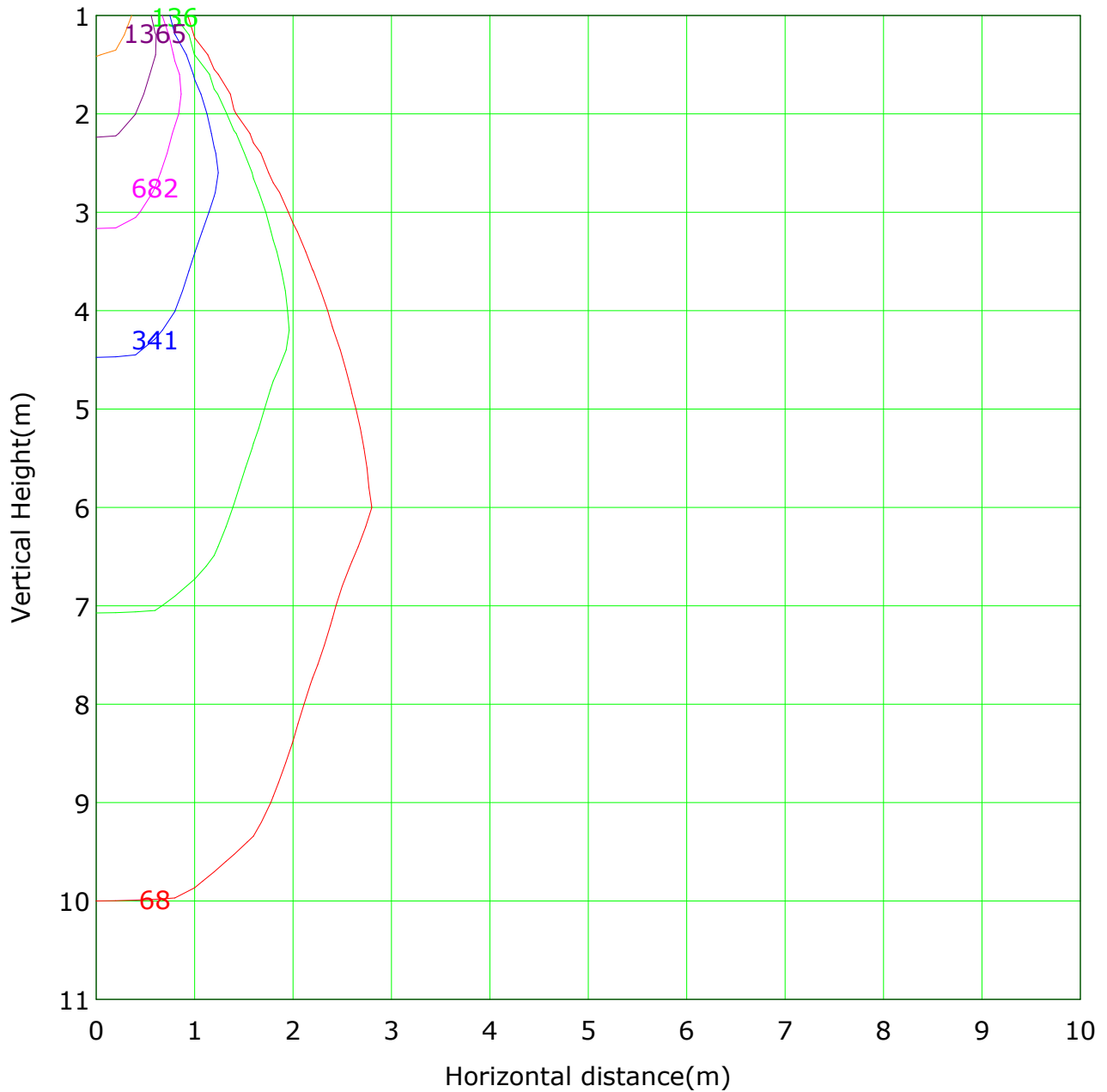
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



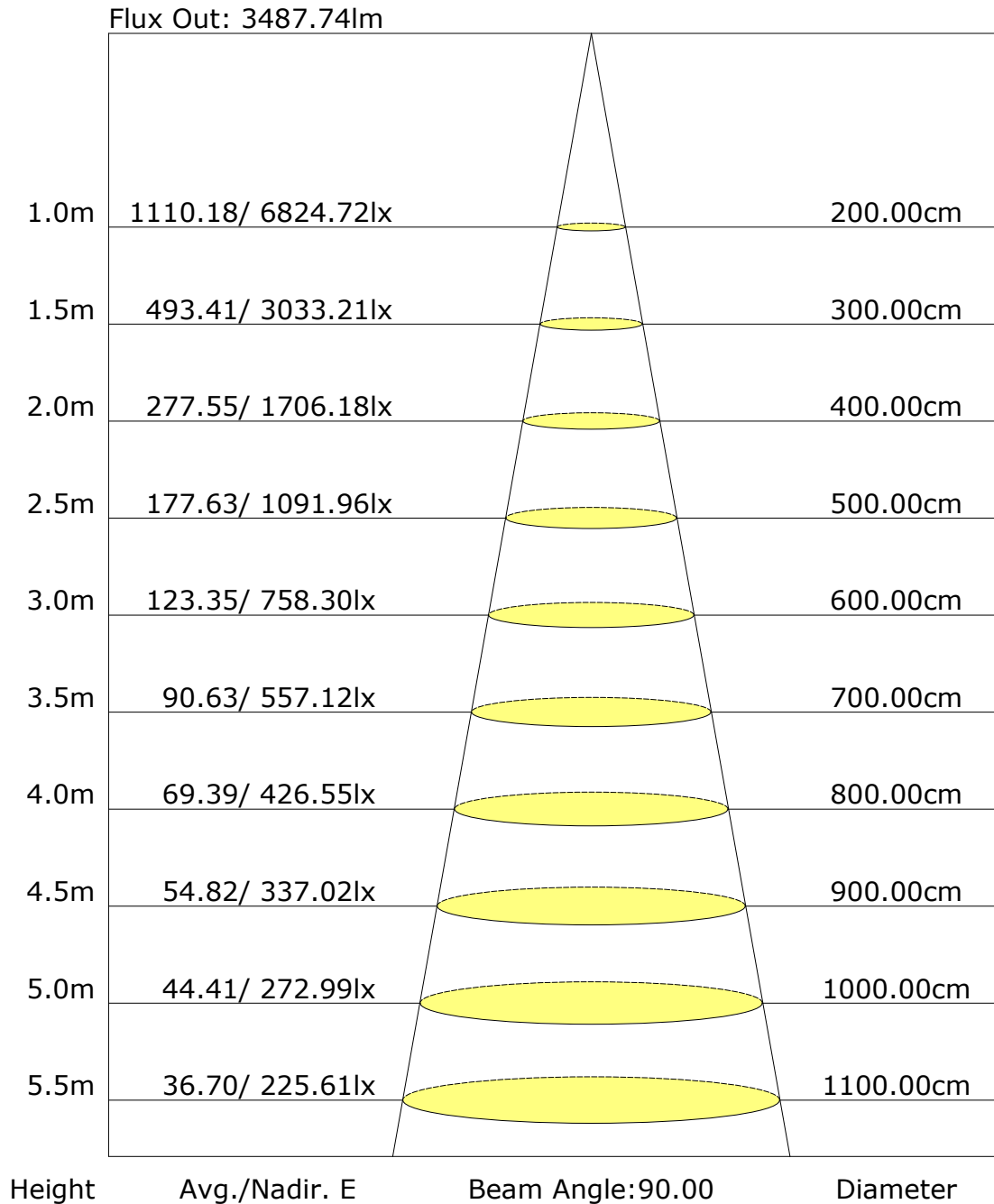
Lowest(m): 1m Highest(m): 11 Max Lux: 6825

(1%): 68 lx	(2%): 136 lx
(5%): 341 lx	(10%): 682 lx
(20%): 1365 lx	(50%): 3412 lx
(100%): 6825 lx	

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:5.0
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: 5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Zonal Lumen

[illegible]

Inspector:

Candlepower Table

Unit: cd

[illegible]

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector: