

Report No.: 32.05522 SPECTRUM Tracklight Test Time: 2023-09-13 17:07

Luminaire Property

Luminaire Category: Bridgelux V8 3000K CRI90

Voltage: 219.3 V

Current: 0.116 A

Power: 14.20 W

Power Factor: 0.555

Photometric Results

CIE Class: Direct

Measurement Flux: 1172.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H49.1

Vertical Diffuse Angle(50%): V49.1

Luminaire Efficacy Rating (LER): 83

Max. Intensity: 1900.42 cd

Total Rated Lamp Lumens: 1172.7 lm

Efficiency: 100%

Upward Ratio: 0%

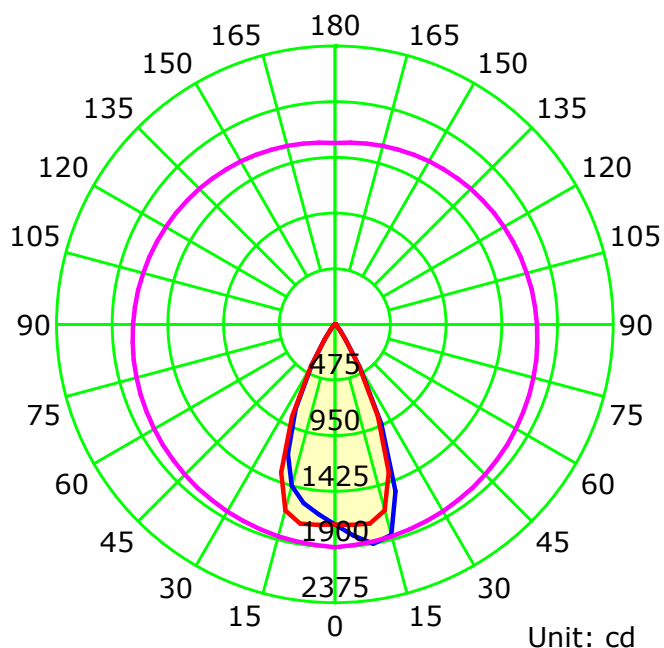
Central Intensity: 1708.84 cd

Pos of Max. Intensity: H0 V10

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G10

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

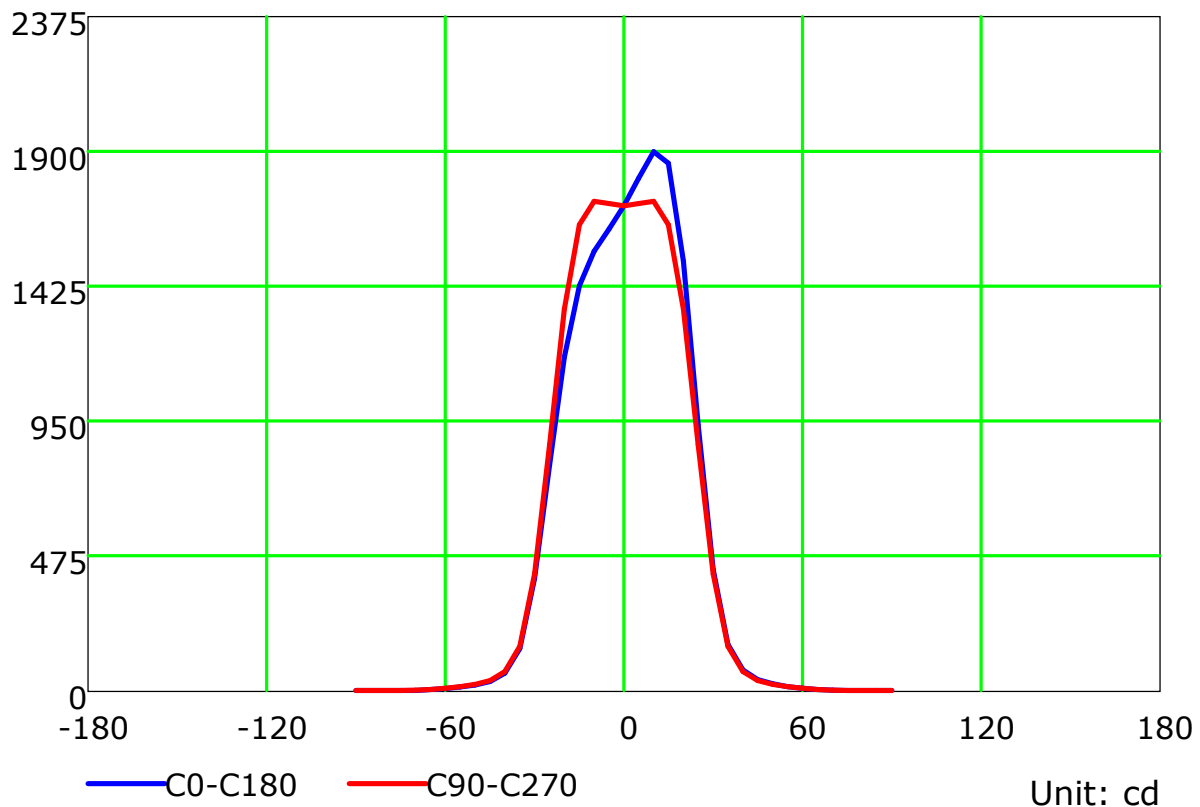
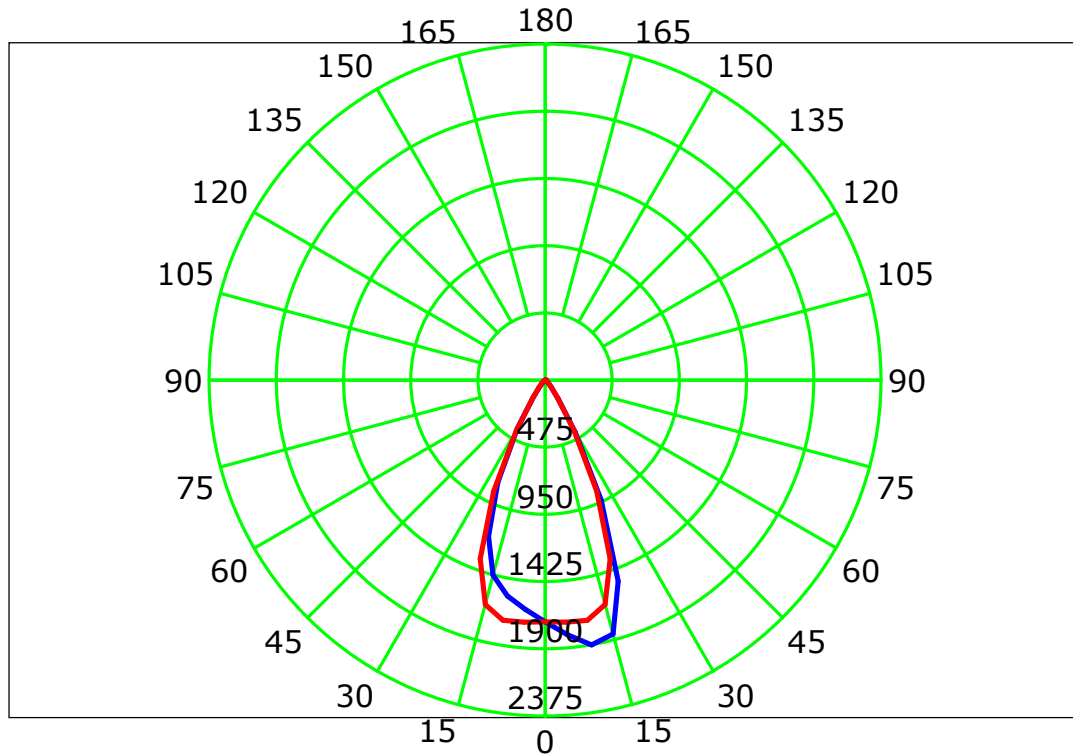
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

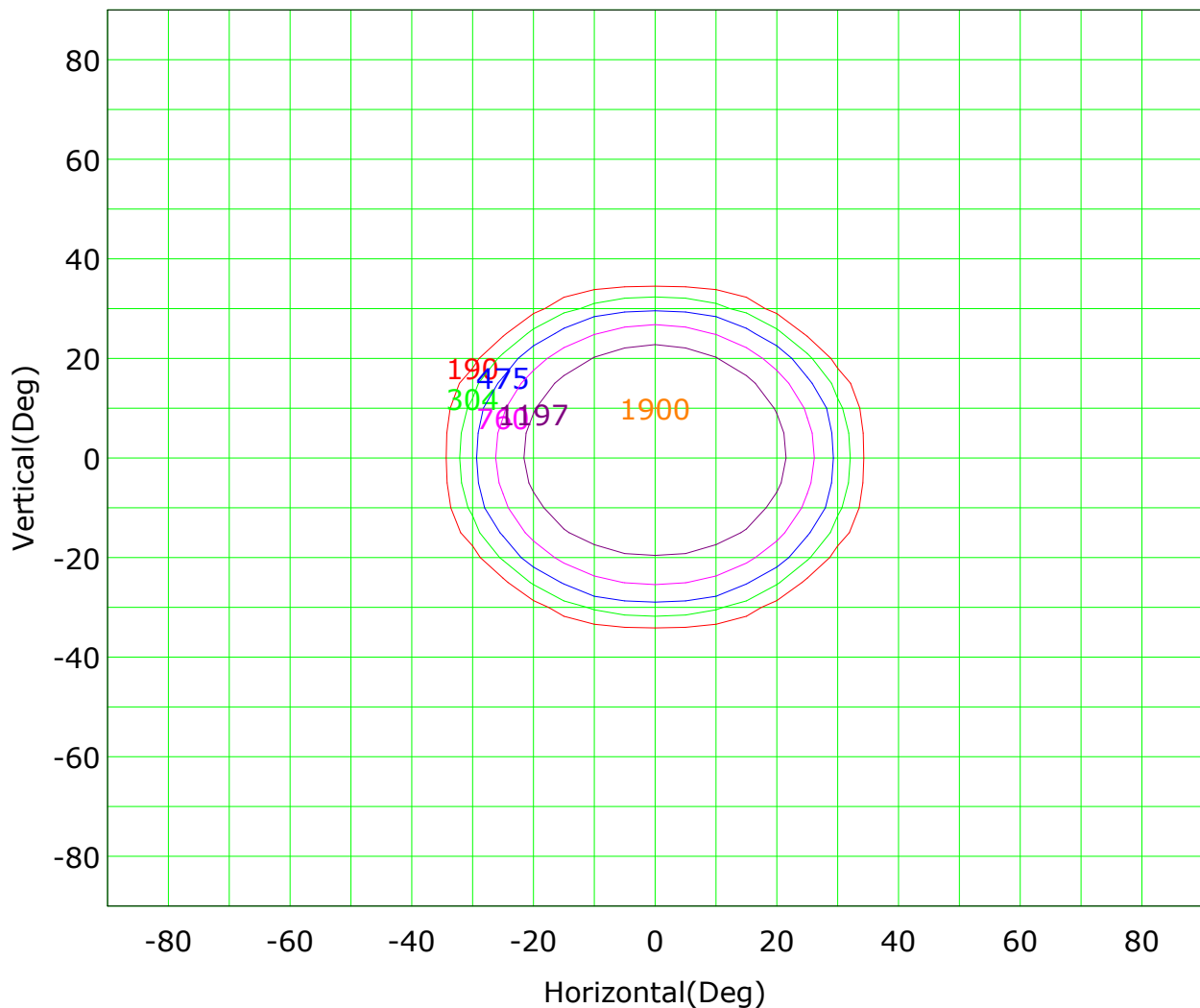
Luminous Intensity Distribution Curve



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%): 1900 cd

| | |
|-----------------|-----------------|
| (10%): 190 cd | (16%): 304 cd |
| (25%): 475 cd | (40%): 760 cd |
| (63%): 1197 cd | (100%): 1900 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

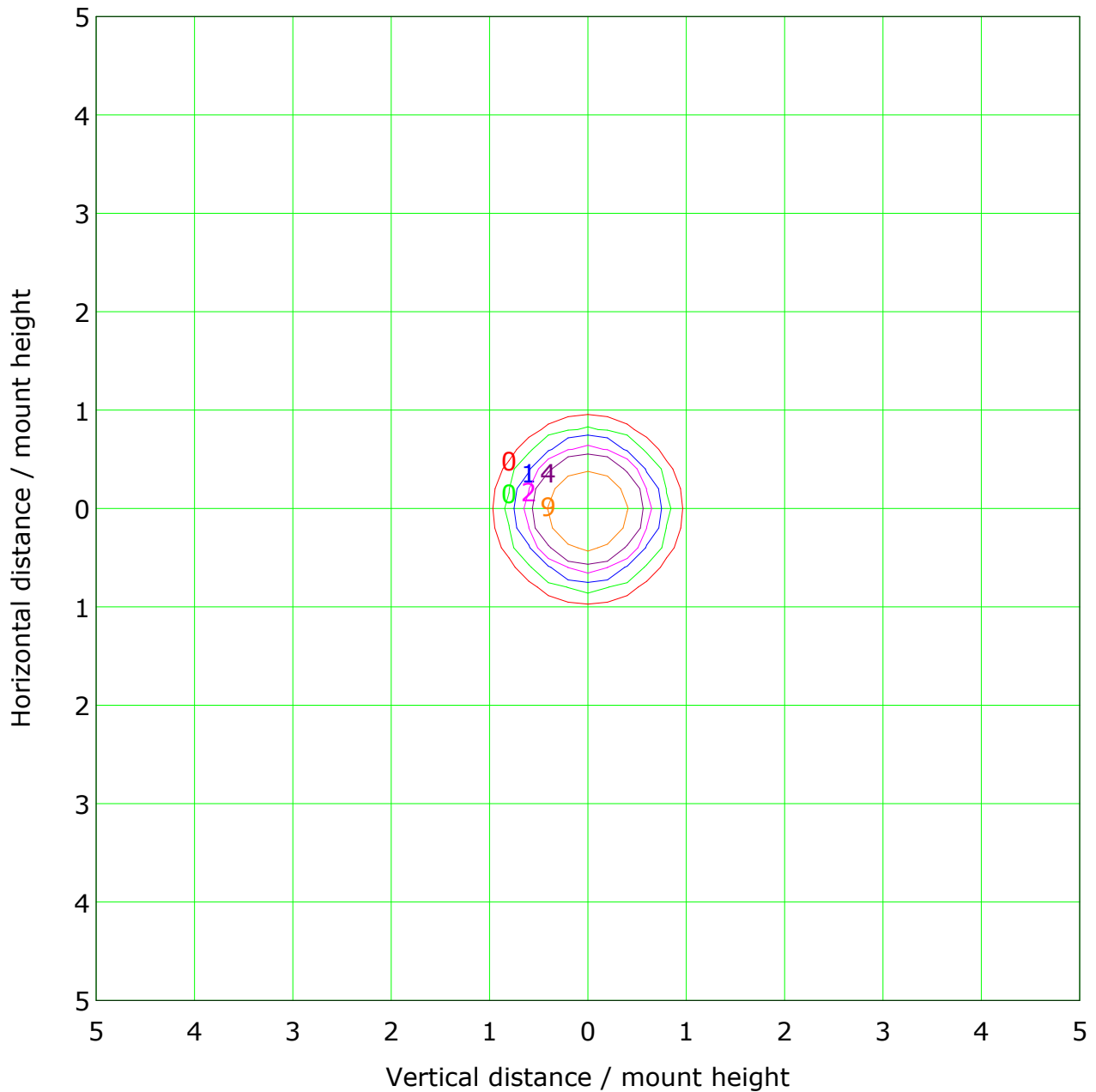
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

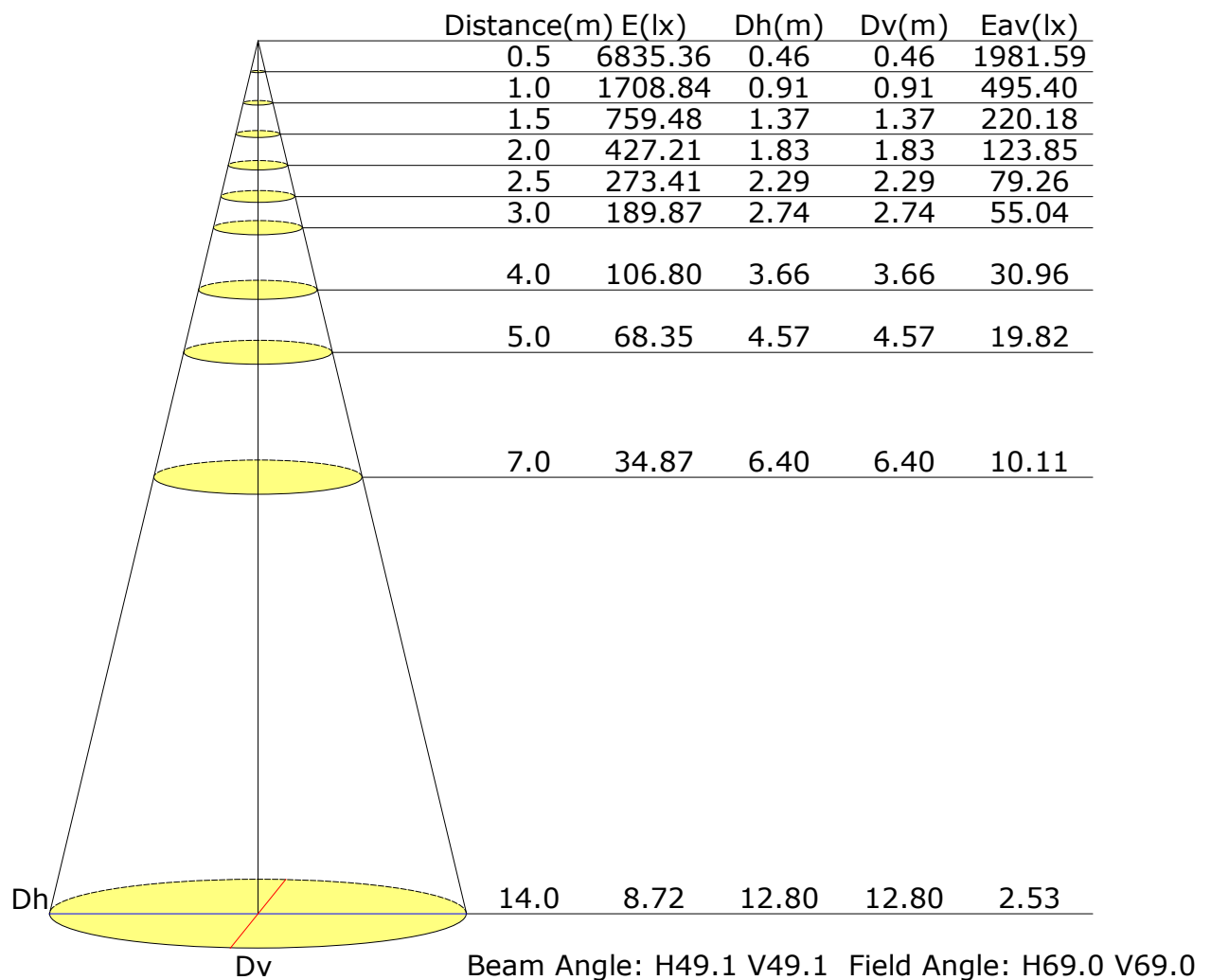


| | | | |
|--|-------|-----------|------|
| Mounting Height: 10m Max Lux(100%): 18 lx | | | |
| — (1%): | 0 lx | — (2%): | 0 lx |
| — (5%): | 1 lx | — (10%): | 2 lx |
| — (20%): | 4 lx | — (50%): | 9 lx |
| — (100%): | 18 lx | | |

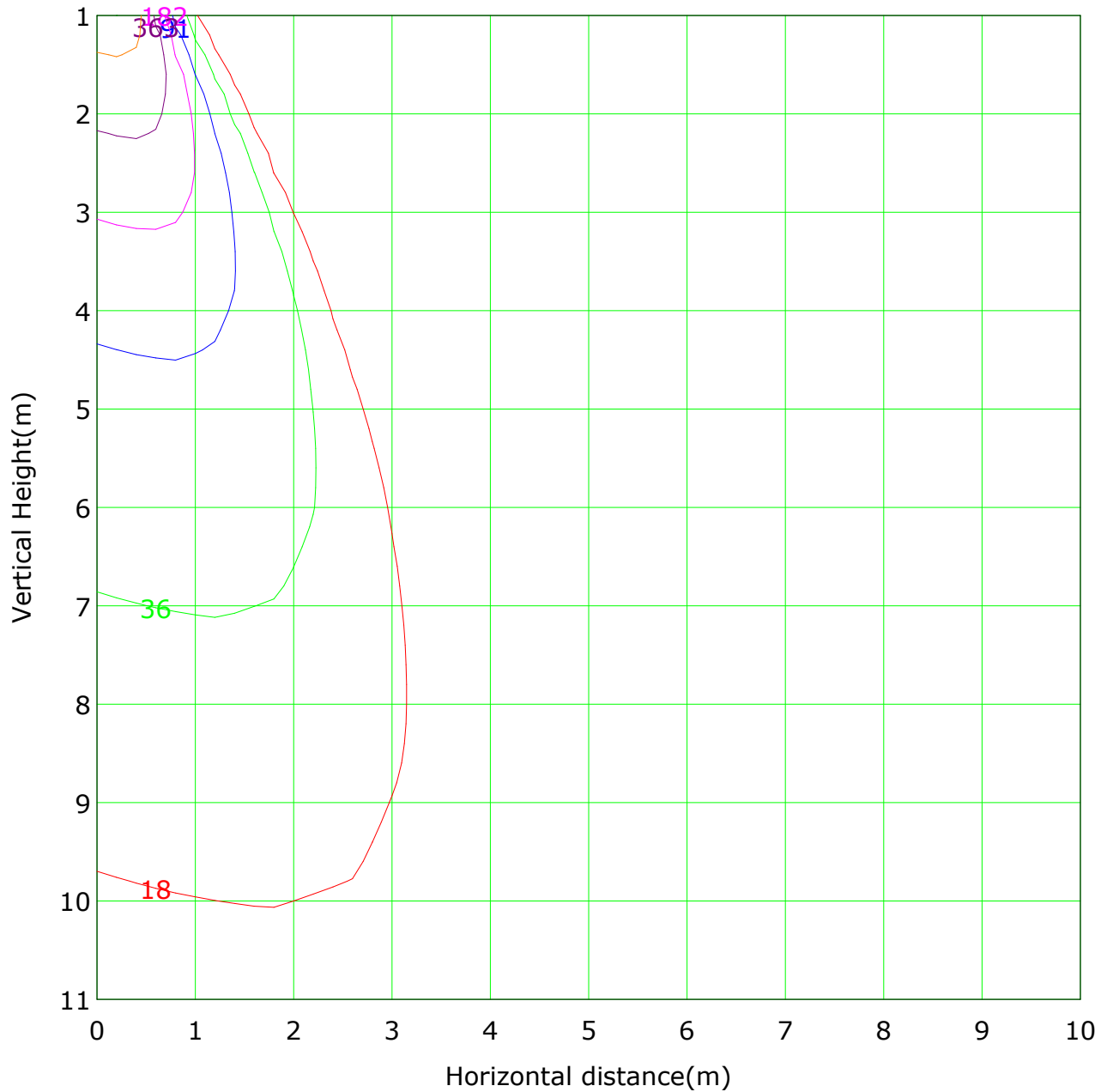
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



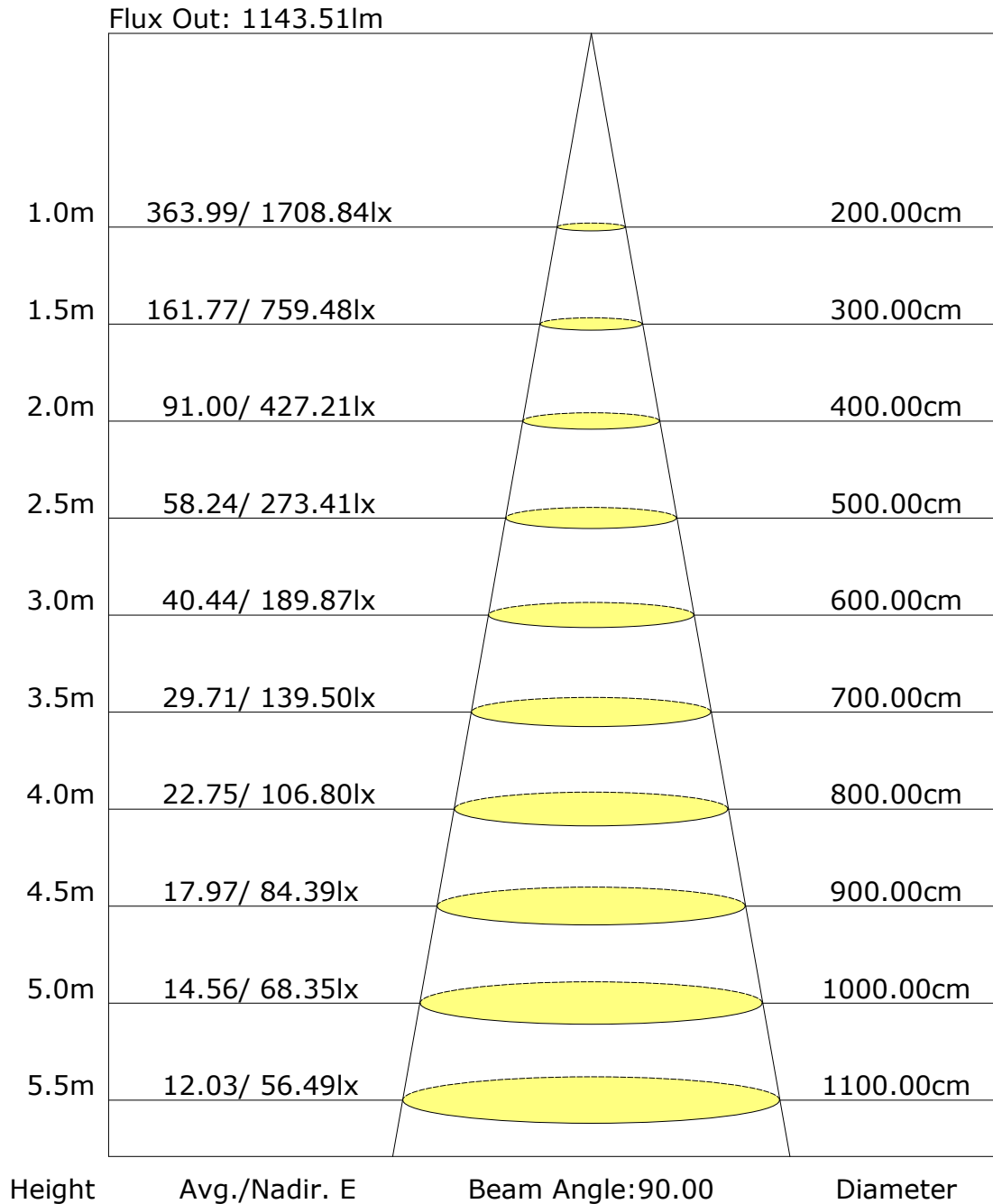
Lowest(m): 1m Highest(m): 11 Max Lux: 1817

| | |
|-----------------|----------------|
| (1%): 18 lx | (2%): 36 lx |
| (5%): 91 lx | (10%): 182 lx |
| (20%): 363 lx | (50%): 908 lx |
| (100%): 1817 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:

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

Unit: cd

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