

Report No.: 32.09017 SPECTRUM Tracklight Test Time: 2023-09-13 14:37

Luminaire Property

Luminaire Category: Bridgelux F90 V13C 3000K CRI90

Voltage: 224.7 V

Current: 0.169 A

Power: 36.40 W

Power Factor: 0.956

Photometric Results

CIE Class: Direct

Measurement Flux: 4225.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H53.4

Vertical Diffuse Angle(50%): V53.4

Luminaire Efficacy Rating (LER): 116

Max. Intensity: 6056.86 cd

Total Rated Lamp Lumens: 4225.3 lm

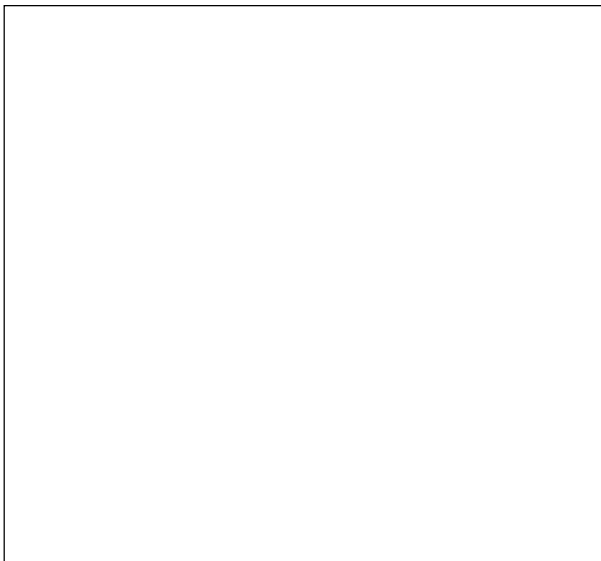
Efficiency: 100%

Upward Ratio: 0%

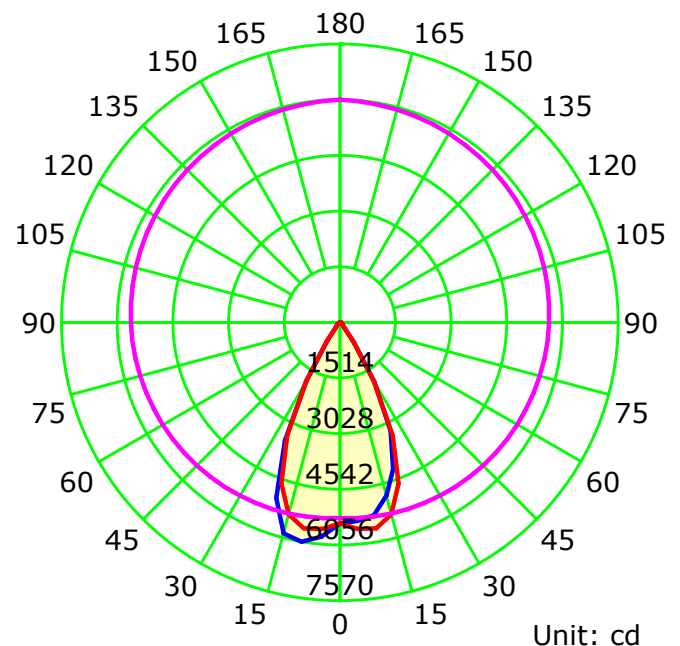
Central Intensity: 5472.33 cd

Pos of Max. Intensity: H180 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

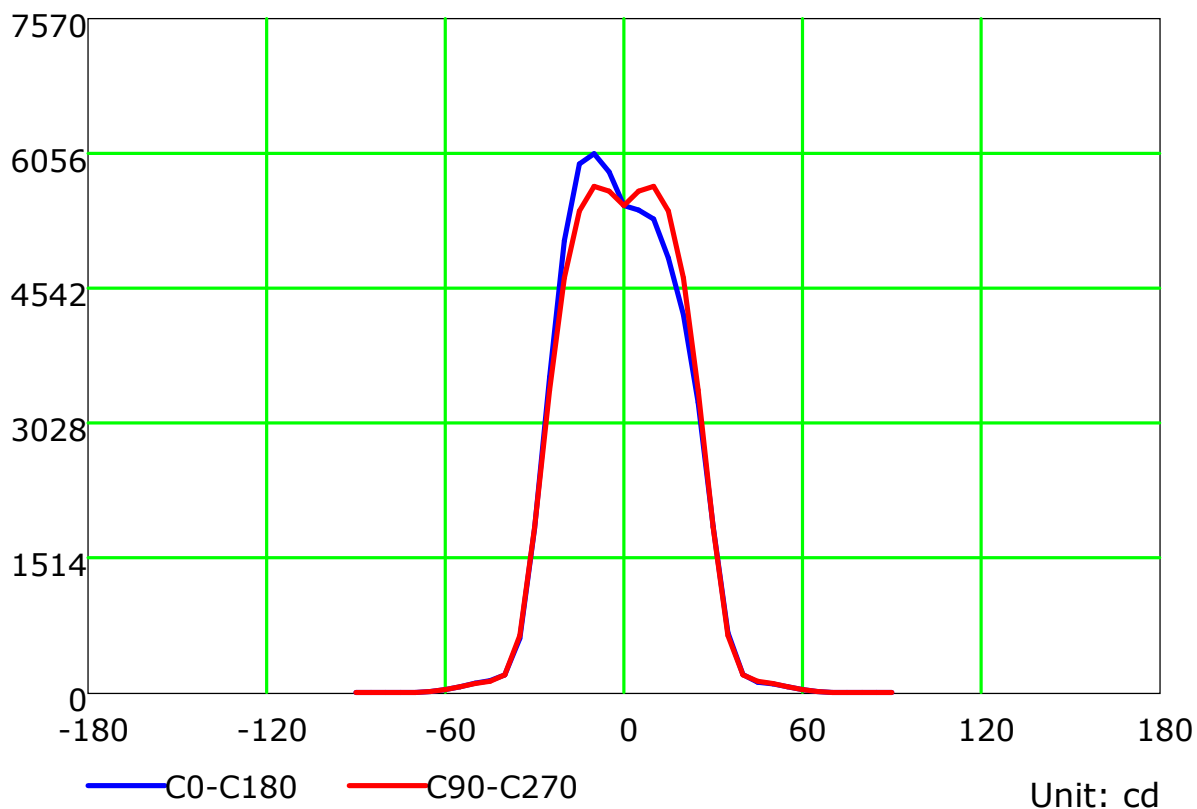
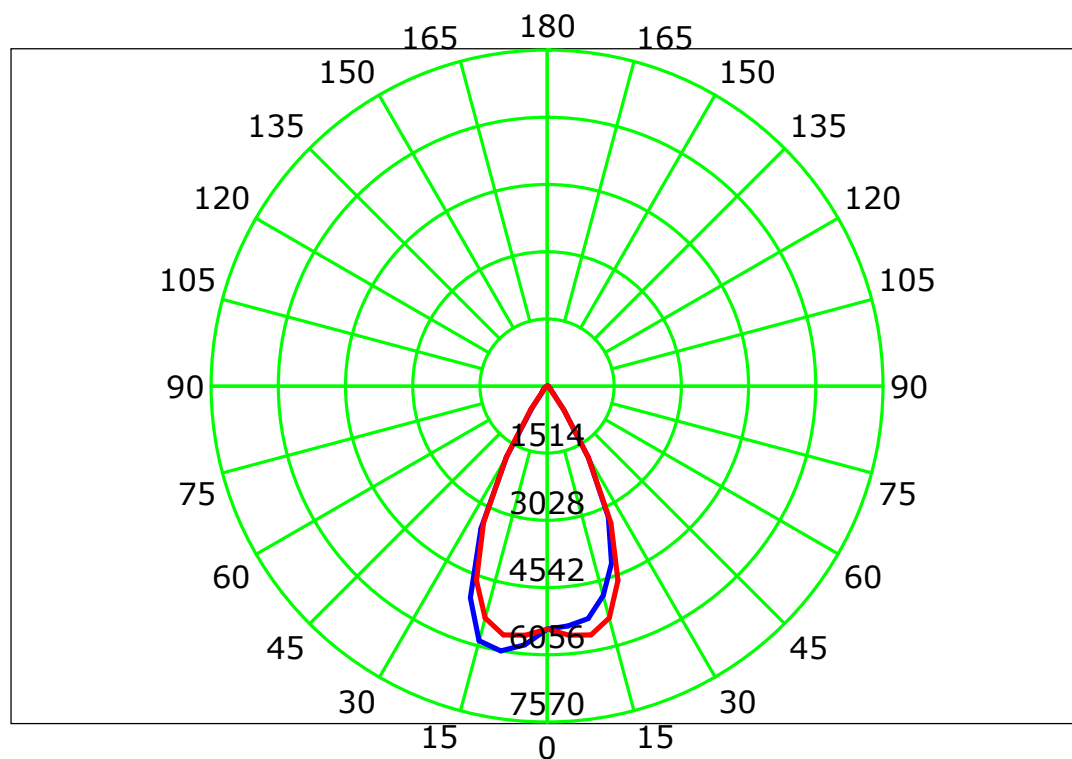
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

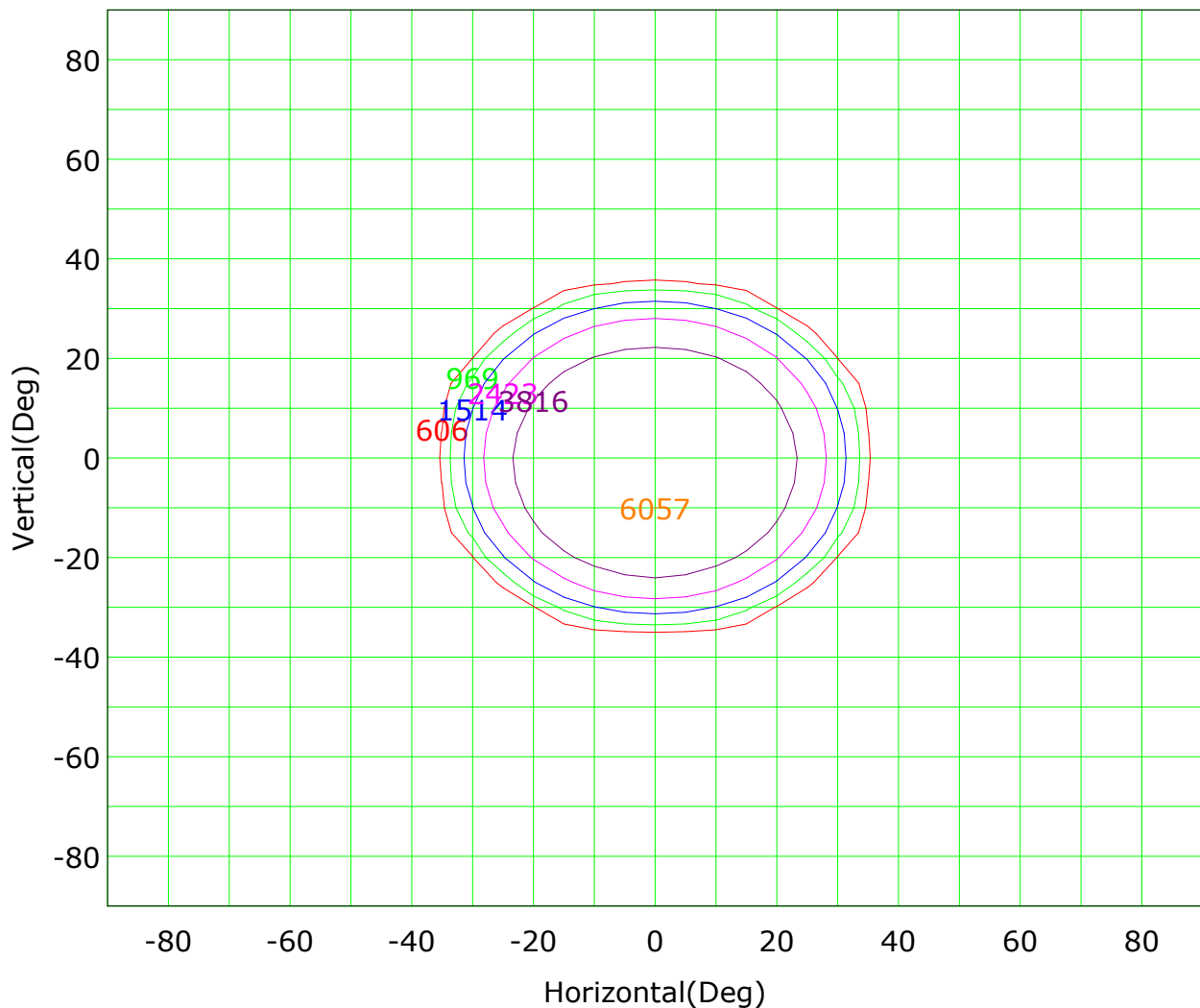
Luminous Intensity Distribution Curve



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%): 6057 cd

(10%): 606 cd	(16%): 969 cd
(25%): 1514 cd	(40%): 2423 cd
(63%): 3816 cd	(100%): 6057 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

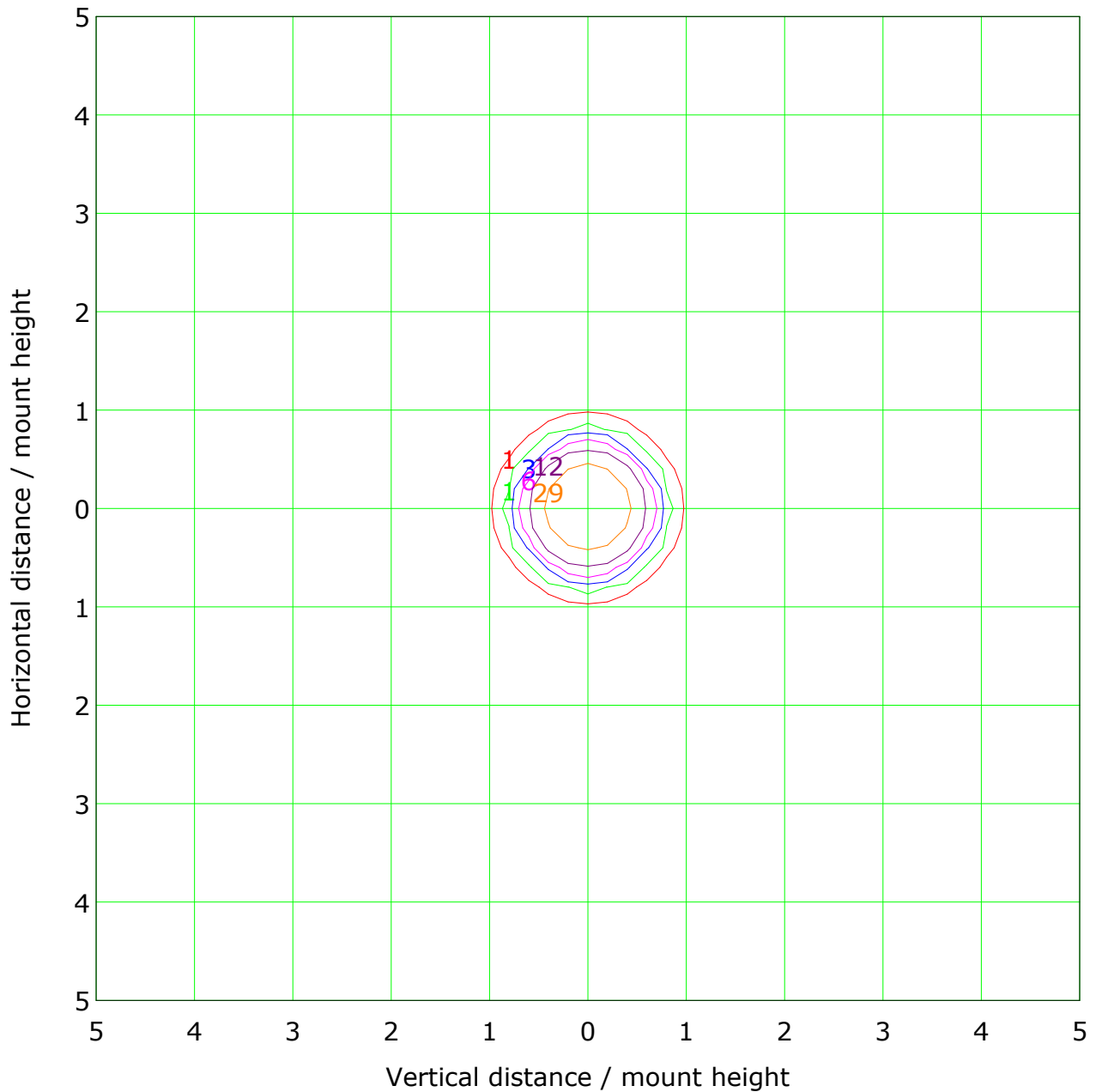
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 58 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	6 lx
(20%):	12 lx	(50%):	29 lx
(100%):	58 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

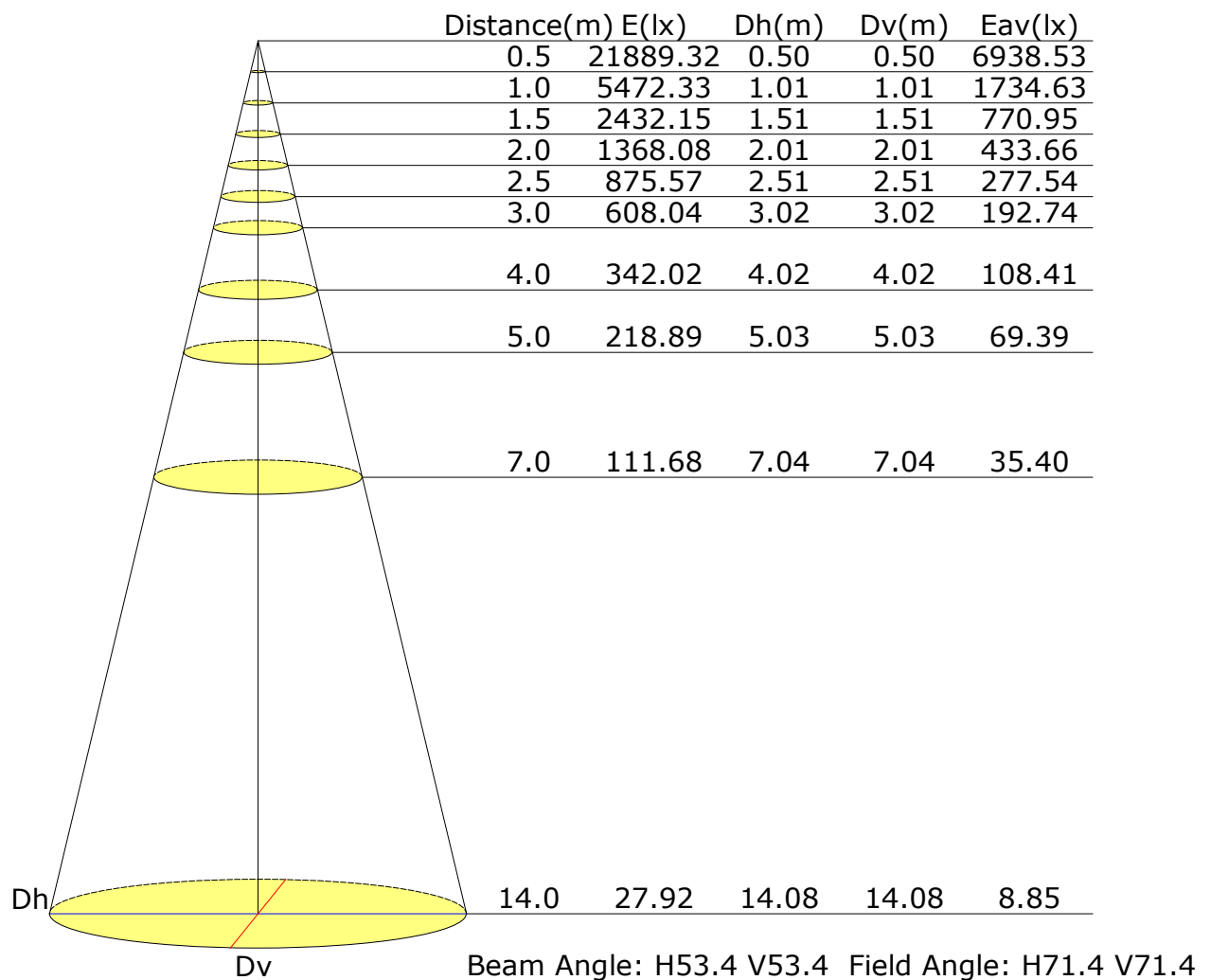
Test Device: CHL-6E

Distance: 3.000 m

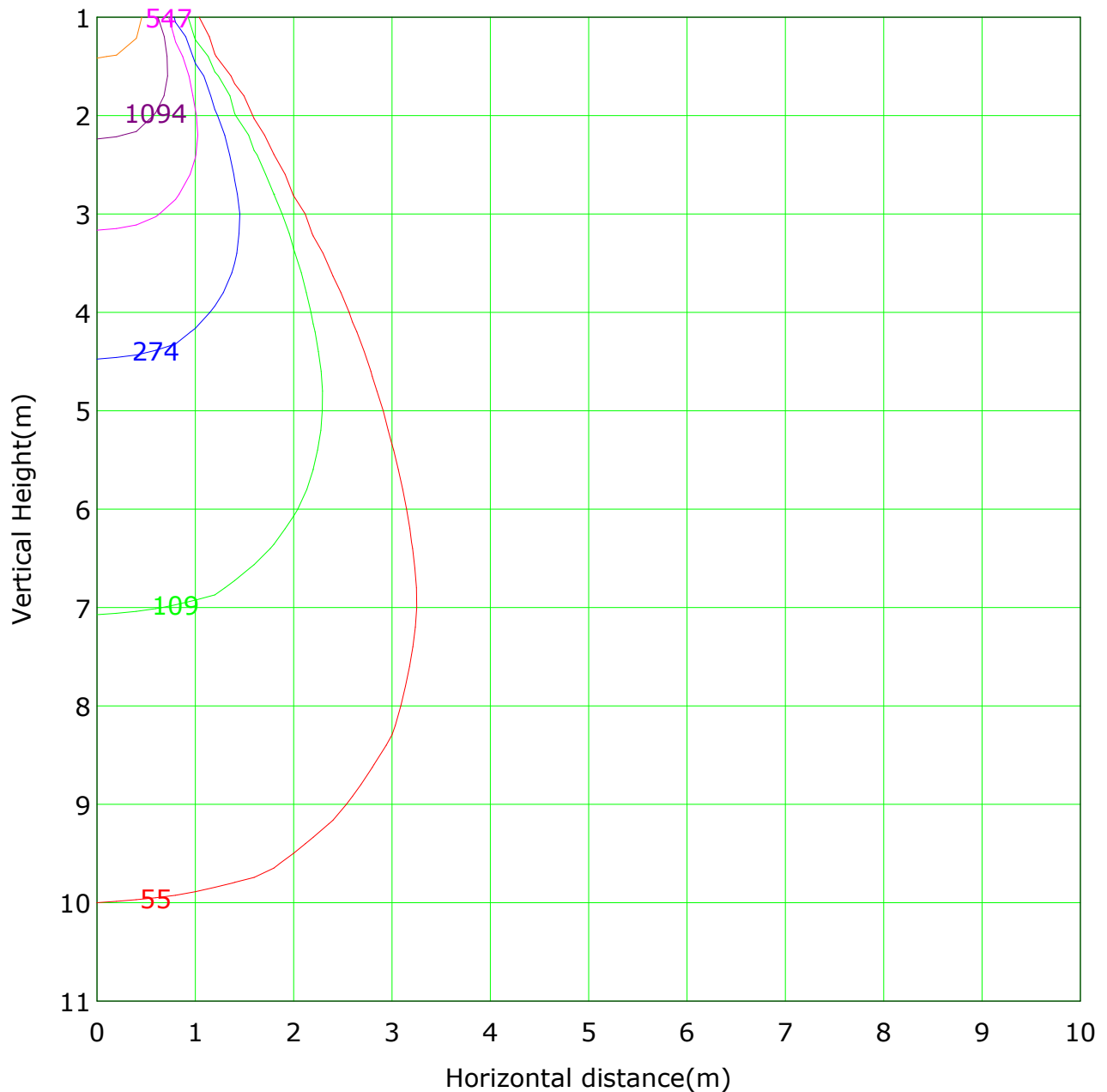
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



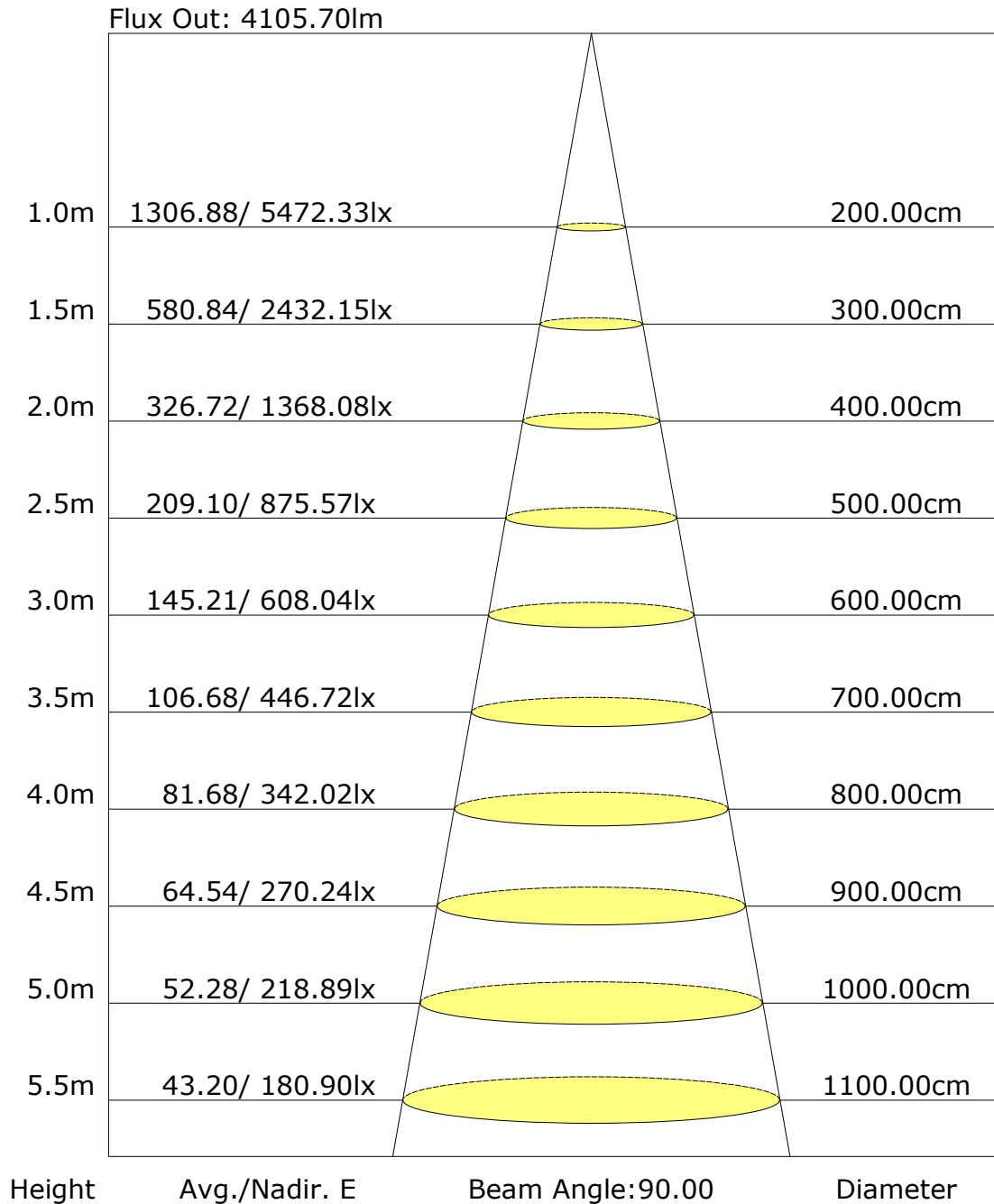
Lowest(m): 1m Highest(m): 11 Max Lux: 5472

(1%): 55 lx	(2%): 109 lx
(5%): 274 lx	(10%): 547 lx
(20%): 1094 lx	(50%): 2736 lx
(100%): 5472 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: