

Report No.:91.07311-Pendant Lighting

Test Time: 2022-04-26 15:39

Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Voltage: 214.2 V

Current: 0.120 A

Power: 24.10 W

Power Factor: 0.940

Photometric Results

CIE Class: Direct

Measurement Flux: 2221.4 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 2221.4 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H47.9,H39.1,H30.5,H1

Vertical Diffuse Angle(25%,50%,75%,100%): V47.9,V39.1,V30.5,V1

Luminaire Efficacy Rating (LER): 92

Central Intensity: 5317.1 cd

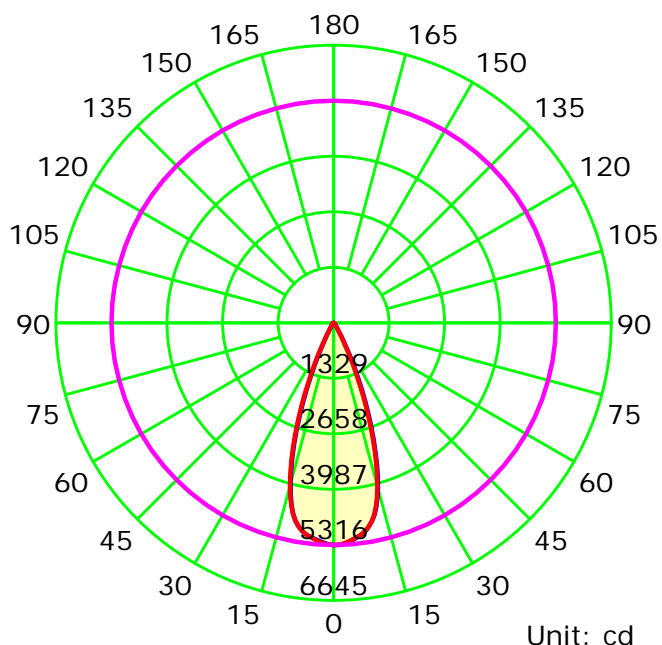
Max. Intensity: 5317.11 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 39.1°

— C0-C180 — C90-C270 — G0

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

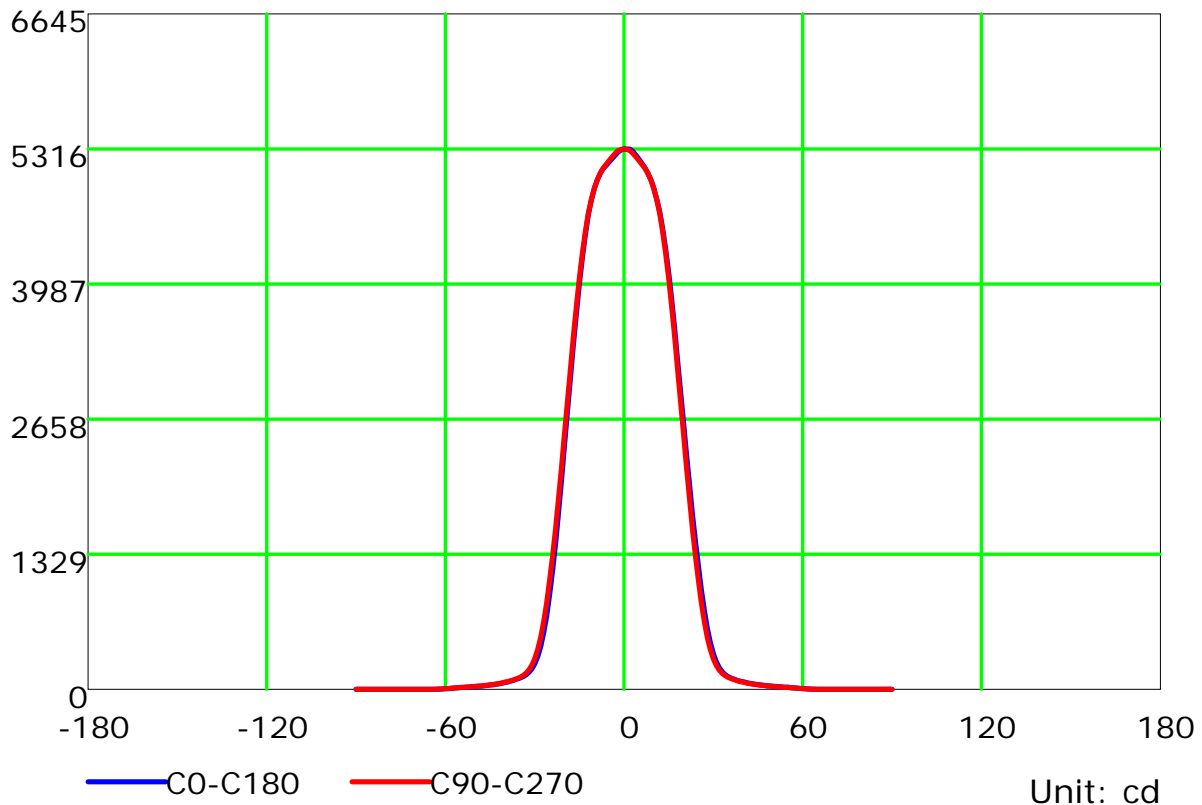
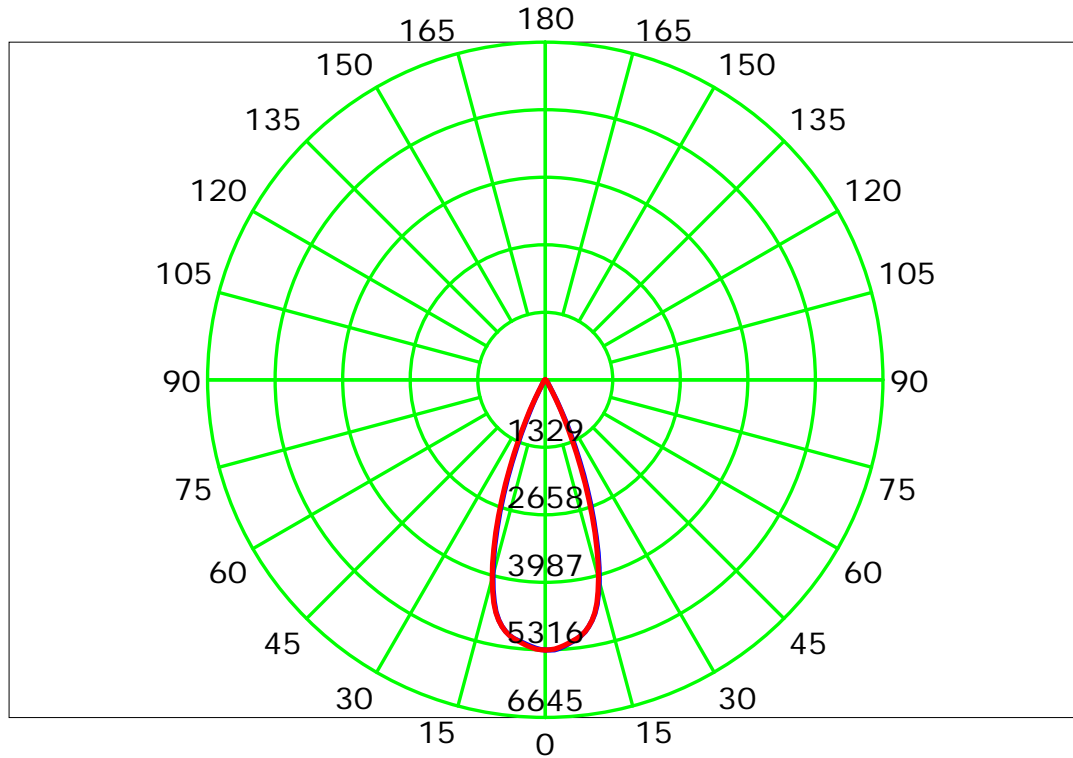
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

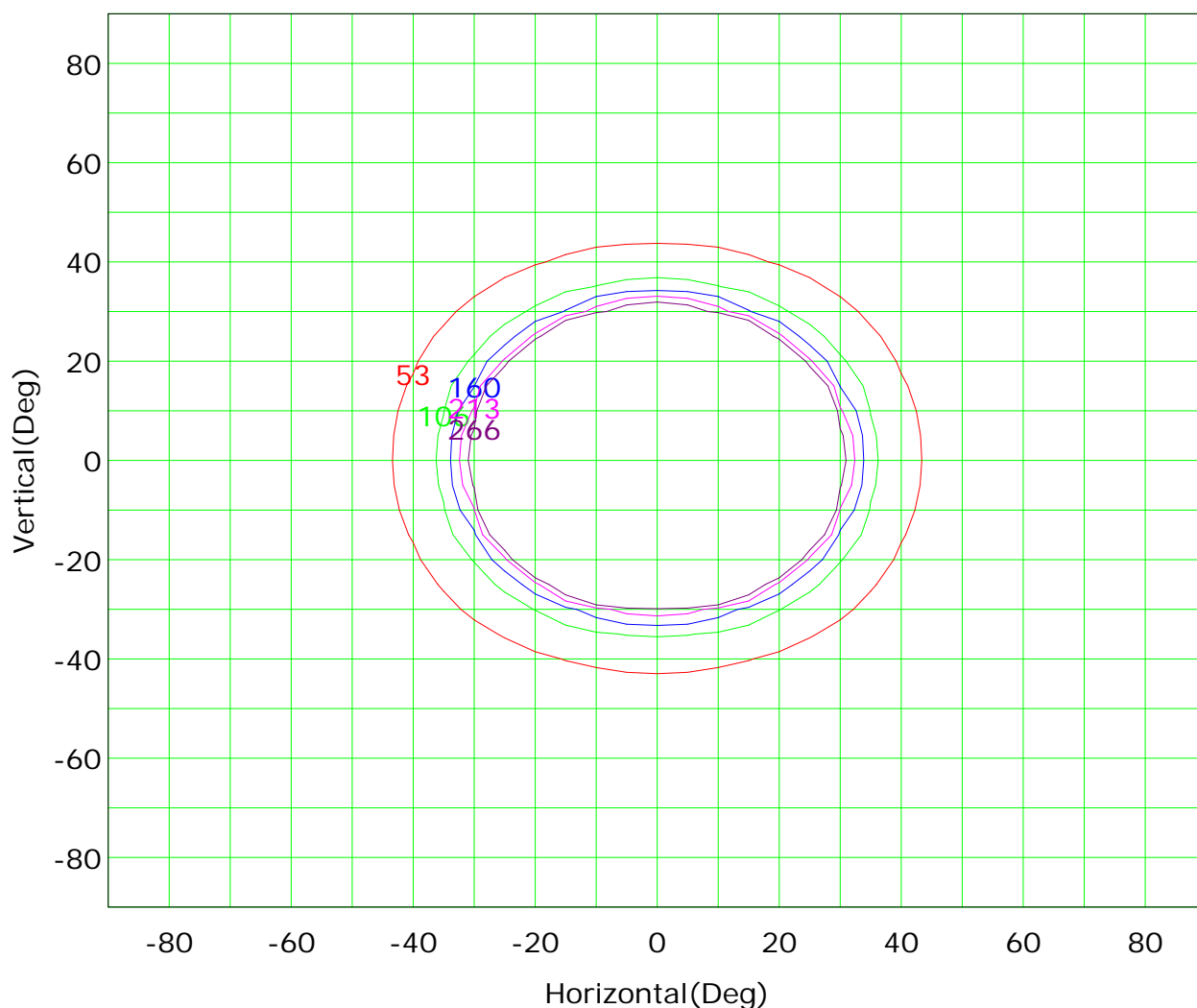
Luminous Intensity Distribution Curve



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%): 5317 cd

(1%): 53 cd
(3%): 160 cd
(5%): 266 cd

(2%): 106 cd
(4%): 213 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

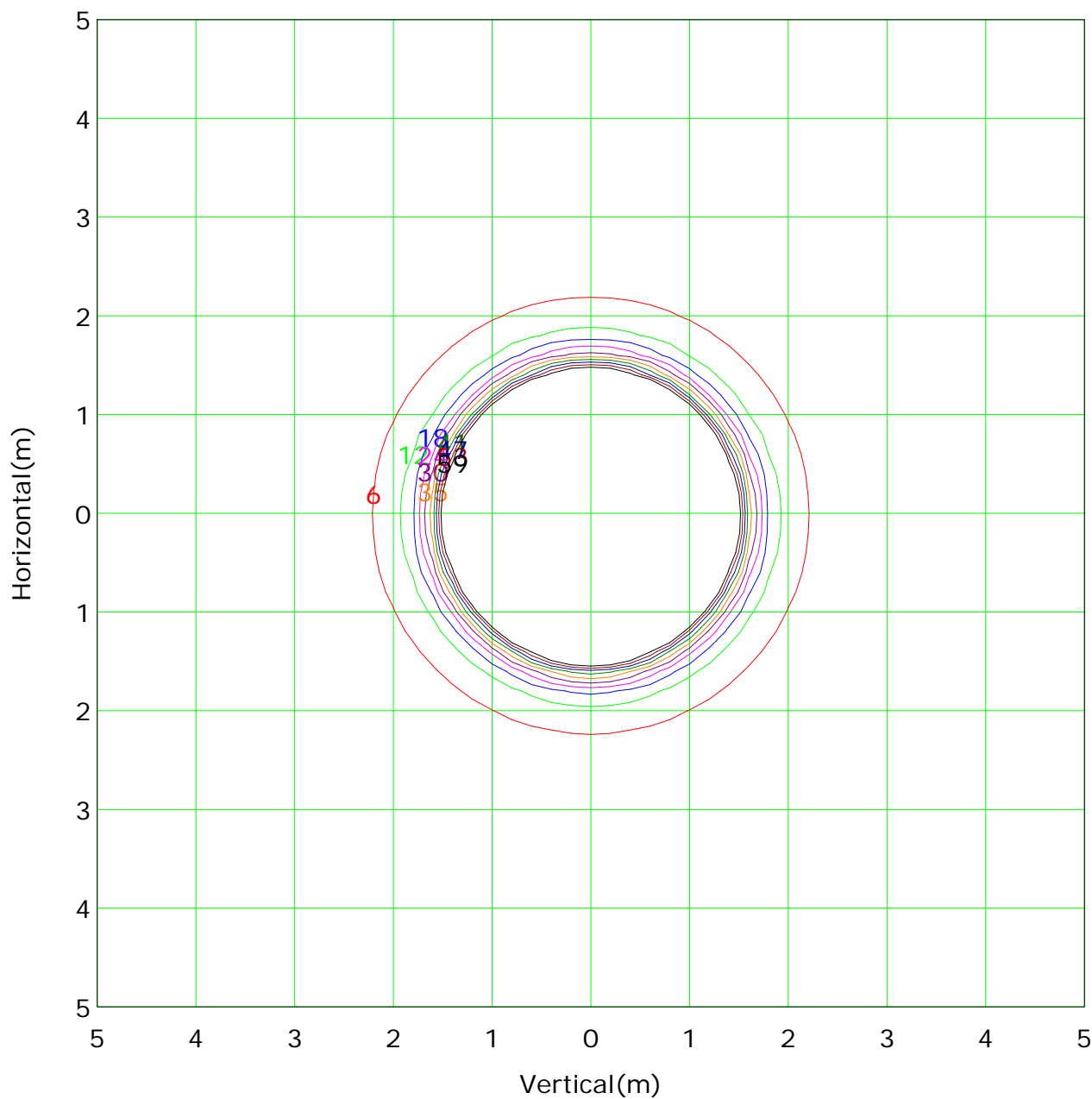
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m Max Lux(100%): 591 lx

| | |
|--------------|--------------|
| (1%): 6 lx | (2%): 12 lx |
| (3%): 18 lx | (4%): 24 lx |
| (5%): 30 lx | (6%): 35 lx |
| (7%): 41 lx | (8%): 47 lx |
| (9%): 53 lx | (10%): 59 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

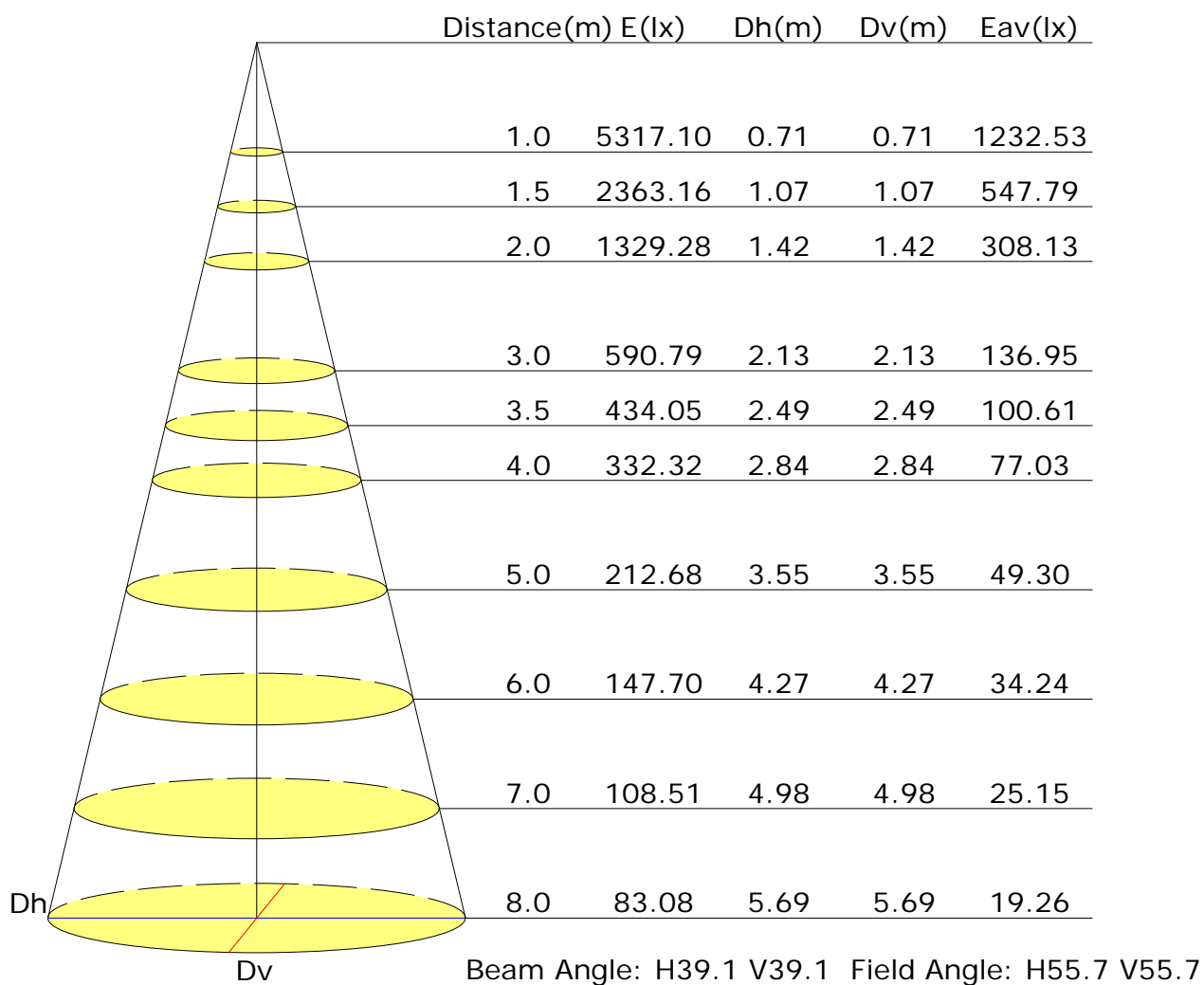
Test Device: CHL-6E

Distance: 3.000 m

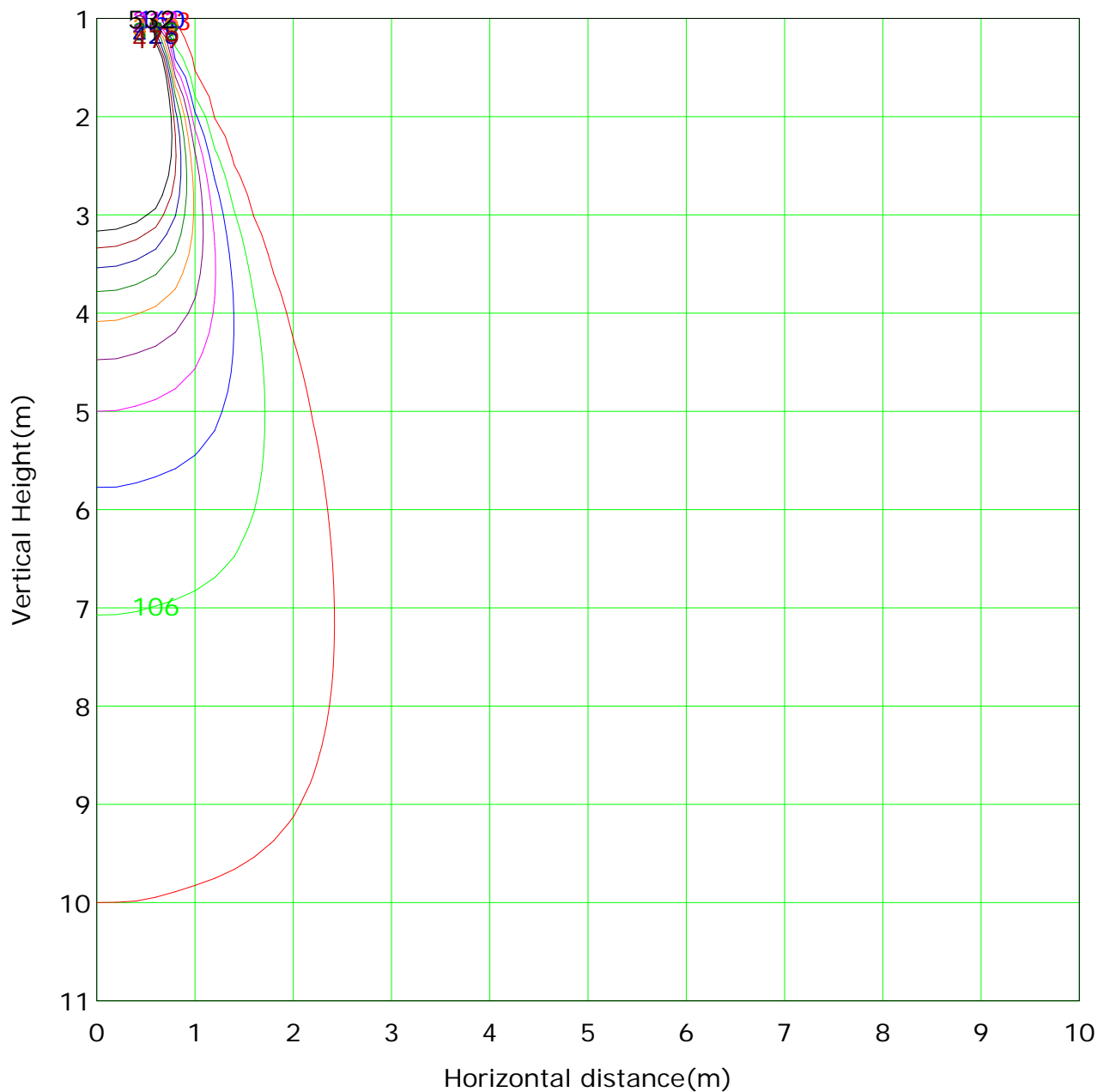
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



| | |
|--|---------------|
| Lowest(m): 1m Highest(m): 11 Max Lux: 5317 | |
| (1%): 53 lx | (2%): 106 lx |
| (3%): 160 lx | (4%): 213 lx |
| (5%): 266 lx | (6%): 319 lx |
| (7%): 372 lx | (8%): 425 lx |
| (9%): 479 lx | (10%): 532 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

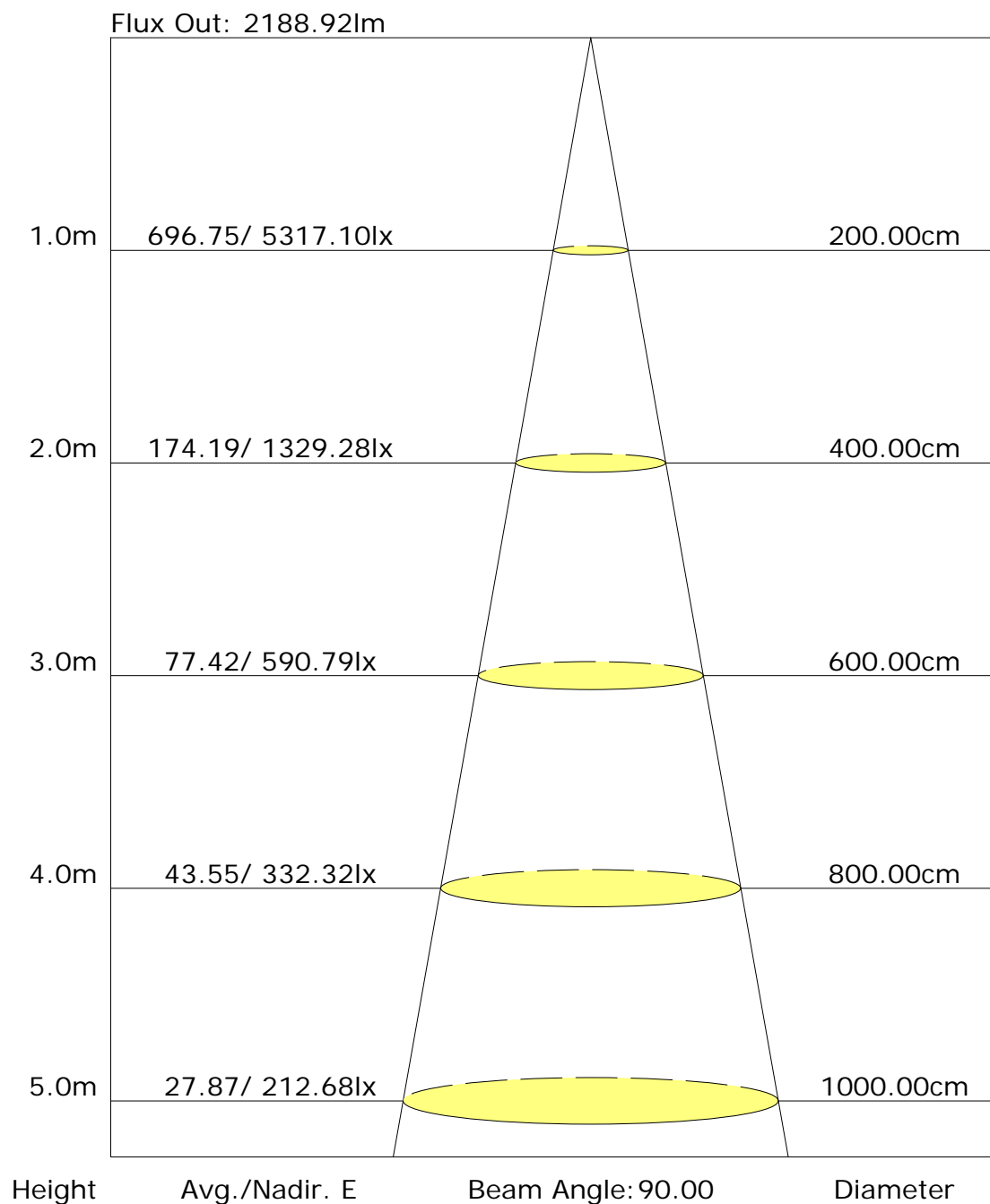
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

The average illuminance effective figure



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

Unit: cd

| GVC | C0.0 | C180.0 | | | | | | | | |
|-------|--------|--------|--|--|--|--|--|--|--|--|
| G0.0 | 5317.1 | 5317.1 | | | | | | | | |
| G1.0 | 5317.1 | 5308.1 | | | | | | | | |
| G2.0 | 5316.2 | 5287.3 | | | | | | | | |
| G3.0 | 5293.6 | 5256.6 | | | | | | | | |
| G4.0 | 5257.5 | 5224.0 | | | | | | | | |
| G5.0 | 5218.6 | 5190.6 | | | | | | | | |
| G6.0 | 5177.9 | 5157.1 | | | | | | | | |
| G7.0 | 5135.5 | 5124.6 | | | | | | | | |
| G8.0 | 5083.0 | 5078.5 | | | | | | | | |
| G9.0 | 5019.8 | 5010.8 | | | | | | | | |
| G10.0 | 4931.2 | 4925.8 | | | | | | | | |
| G11.0 | 4828.2 | 4814.7 | | | | | | | | |
| G12.0 | 4701.7 | 4668.3 | | | | | | | | |
| G13.0 | 4538.1 | 4478.5 | | | | | | | | |
| G14.0 | 4334.8 | 4249.9 | | | | | | | | |
| G15.0 | 4102.6 | 3989.6 | | | | | | | | |
| G16.0 | 3847.8 | 3705.9 | | | | | | | | |
| G17.0 | 3556.8 | 3398.6 | | | | | | | | |
| G18.0 | 3246.8 | 3076.9 | | | | | | | | |
| G19.0 | 2934.2 | 2741.7 | | | | | | | | |
| G20.0 | 2626.0 | 2401.0 | | | | | | | | |
| G21.0 | 2317.0 | 2065.8 | | | | | | | | |
| G22.0 | 2020.6 | 1743.2 | | | | | | | | |
| G23.0 | 1730.5 | 1442.2 | | | | | | | | |
| G24.0 | 1459.4 | 1172.0 | | | | | | | | |
| G25.0 | 1210.0 | 930.8 | | | | | | | | |
| G26.0 | 980.5 | 723.8 | | | | | | | | |
| G27.0 | 775.3 | 556.7 | | | | | | | | |
| G28.0 | 603.6 | 423.8 | | | | | | | | |
| G29.0 | 461.8 | 324.4 | | | | | | | | |
| G30.0 | 352.4 | 250.3 | | | | | | | | |
| G31.0 | 272.9 | 201.5 | | | | | | | | |
| G32.0 | 213.3 | 166.3 | | | | | | | | |
| G33.0 | 173.5 | 142.8 | | | | | | | | |
| G34.0 | 144.6 | 123.8 | | | | | | | | |
| G35.0 | 124.7 | 111.2 | | | | | | | | |
| G36.0 | 111.2 | 101.2 | | | | | | | | |

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 | 99.4 | 90.4 | | | | | | | | |
| G38.0 | 89.5 | 83.1 | | | | | | | | |
| G39.0 | 80.4 | 73.2 | | | | | | | | |
| G40.0 | 74.1 | 67.8 | | | | | | | | |
| G41.0 | 67.8 | 60.5 | | | | | | | | |
| G42.0 | 60.5 | 55.1 | | | | | | | | |
| G43.0 | 56.0 | 50.6 | | | | | | | | |
| G44.0 | 50.6 | 45.2 | | | | | | | | |
| G45.0 | 46.1 | 43.4 | | | | | | | | |
| G46.0 | 43.4 | 38.0 | | | | | | | | |
| G47.0 | 39.8 | 36.2 | | | | | | | | |
| G48.0 | 35.2 | 32.5 | | | | | | | | |
| G49.0 | 34.3 | 30.7 | | | | | | | | |
| G50.0 | 30.7 | 28.0 | | | | | | | | |
| G51.0 | 28.9 | 27.1 | | | | | | | | |
| G52.0 | 26.2 | 23.5 | | | | | | | | |
| G53.0 | 24.4 | 21.7 | | | | | | | | |
| G54.0 | 21.7 | 19.0 | | | | | | | | |
| G55.0 | 20.8 | 17.2 | | | | | | | | |
| G56.0 | 17.2 | 14.5 | | | | | | | | |
| G57.0 | 14.5 | 13.6 | | | | | | | | |
| G58.0 | 13.6 | 9.9 | | | | | | | | |
| G59.0 | 10.8 | 7.2 | | | | | | | | |
| G60.0 | 9.0 | 6.3 | | | | | | | | |
| G61.0 | 6.3 | 4.5 | | | | | | | | |
| G62.0 | 3.6 | 2.7 | | | | | | | | |
| G63.0 | 2.7 | 0.9 | | | | | | | | |
| G64.0 | 1.8 | 0.0 | | | | | | | | |
| G65.0 | 0.9 | 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:

