

Report No.:

Test Time: 2025-05-12 14:17

Luminaire Property

Luminaire Category:

Luminaire Description: VERO

Current: 0.065 A

Power Factor: 0.517

Voltage: 232.1 V

Power: 7.80 W

Photometric Results

CIE Class: Direct

Measurement Flux: 373.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H26.8

Vertical Diffuse Angle(50%): V26.8

Luminaire Efficacy Rating (LER): 48

Max. Intensity: 1669.22 cd

Total Rated Lamp Lumens: 373.9 lm

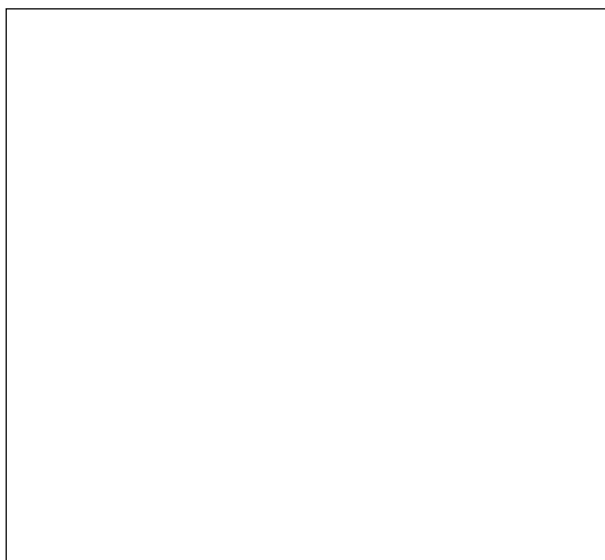
Efficiency: 100%

Upward Ratio: 0%

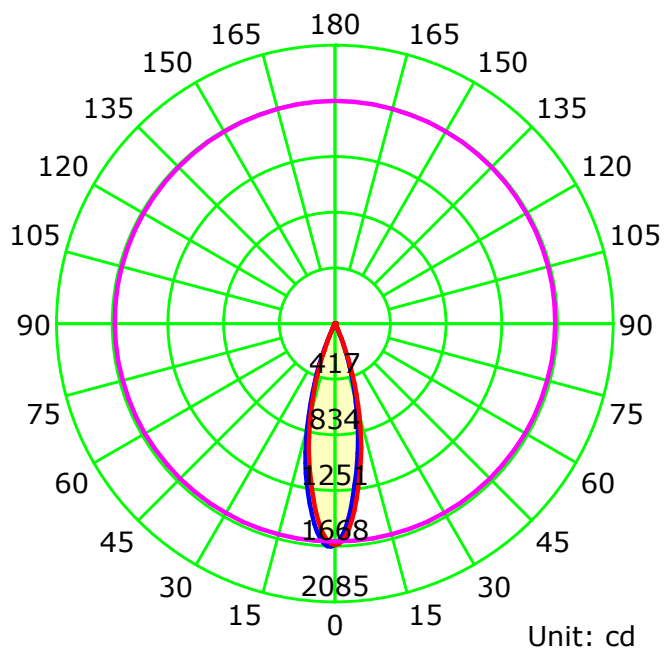
Central Intensity: 1657.29 cd

Pos of Max. Intensity: H180 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G1

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

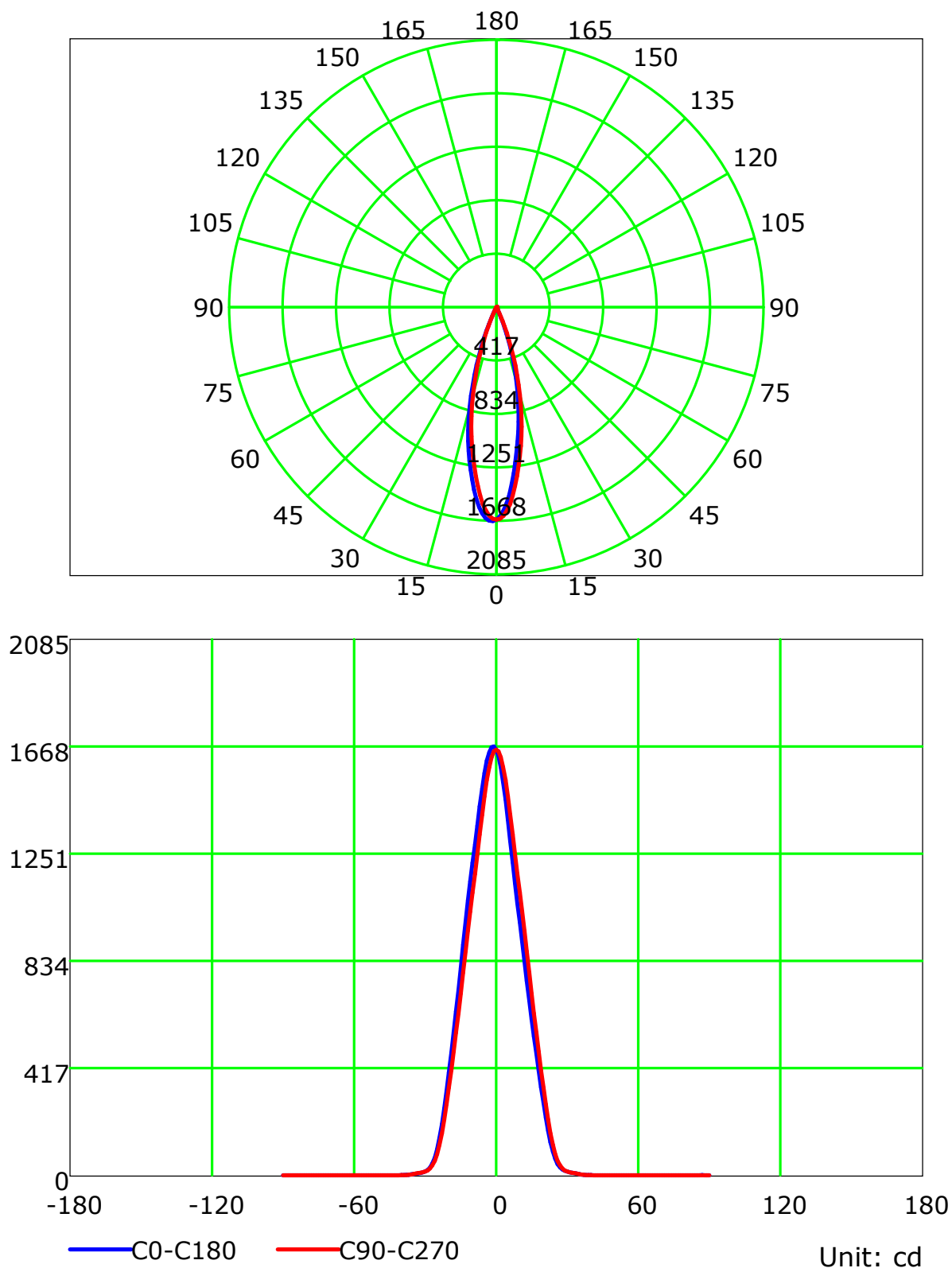
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

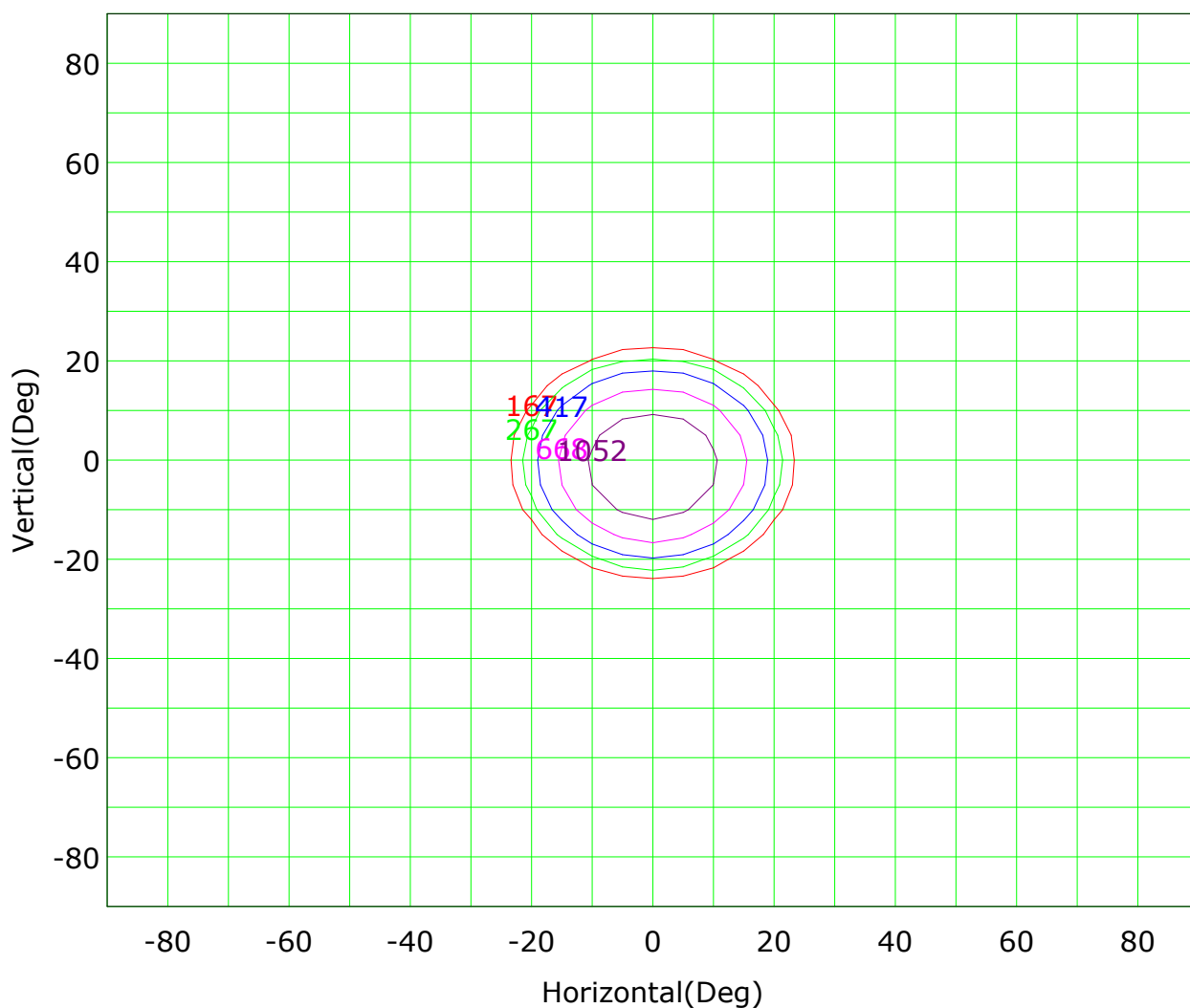
Luminous Intensity Distribution Curve



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)



Imax (100%): 1669 cd

| | |
|-----------------|-----------------|
| (10%): 167 cd | (16%): 267 cd |
| (25%): 417 cd | (40%): 668 cd |
| (63%): 1052 cd | (100%): 1669 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

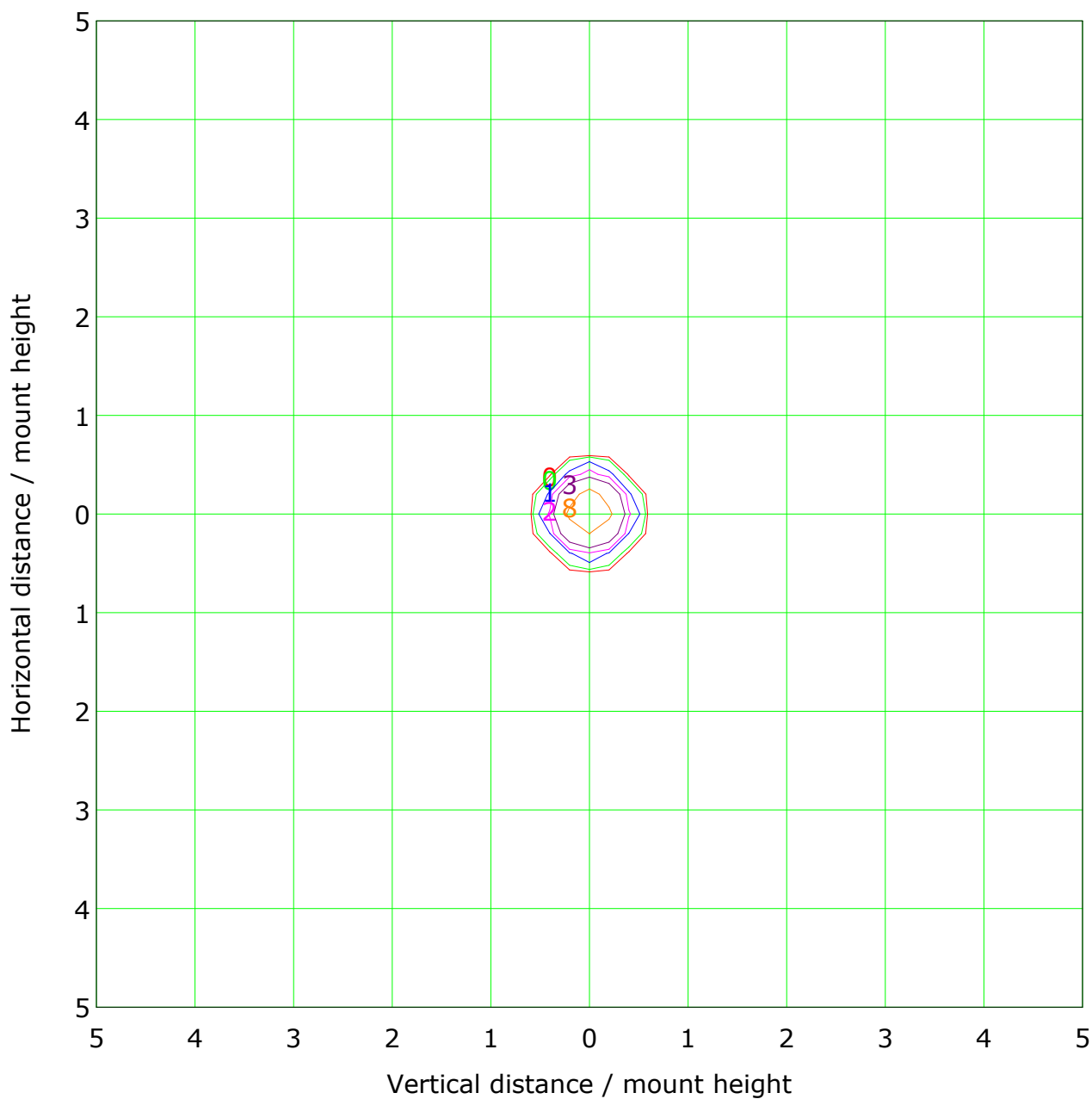
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 17 lx

| | | | |
|---------|-------|---------|------|
| (1%): | 0 lx | (2%): | 0 lx |
| (5%): | 1 lx | (10%): | 2 lx |
| (20%): | 3 lx | (50%): | 8 lx |
| (100%): | 17 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

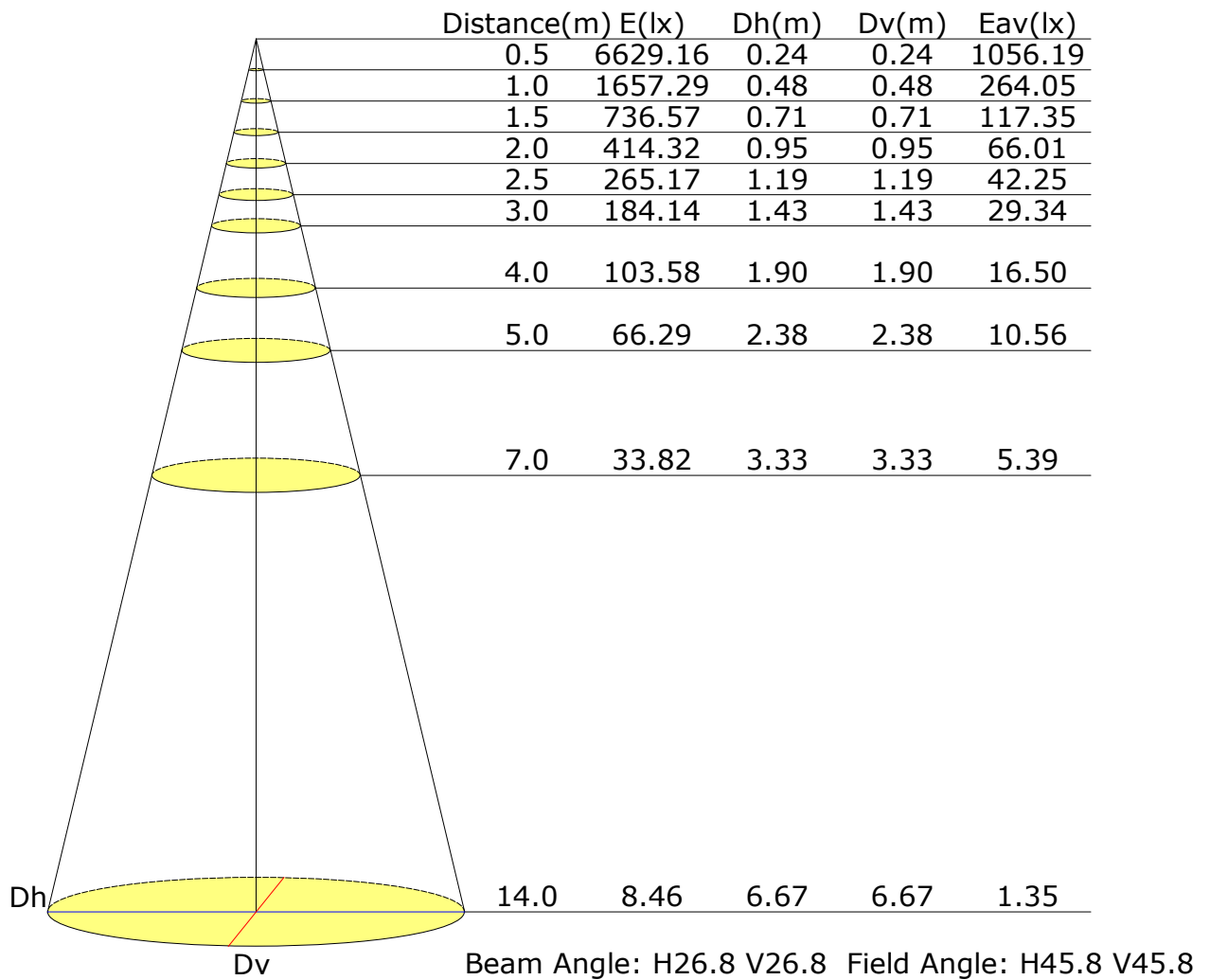
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

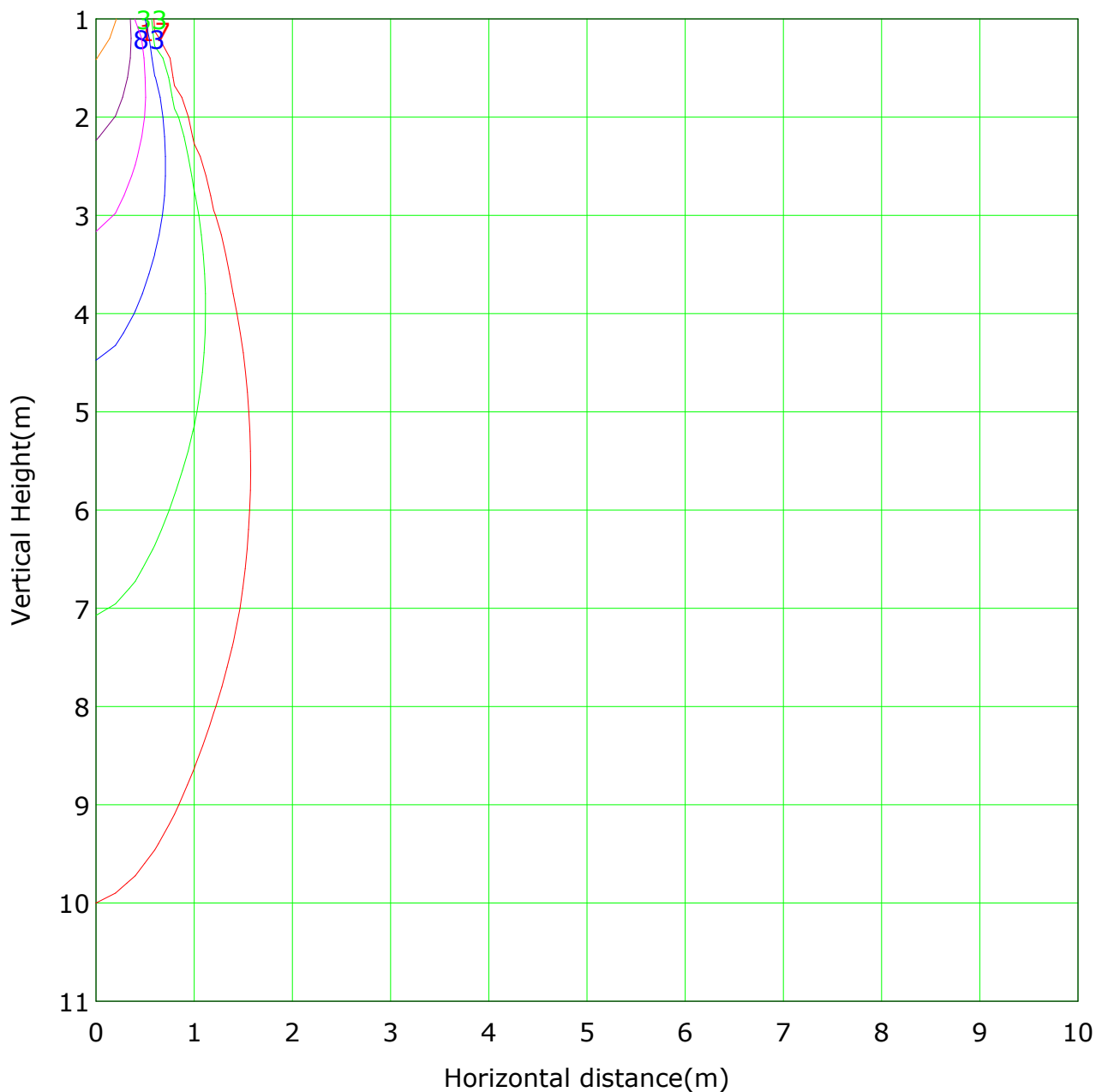
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Vertical IsoLux Plot



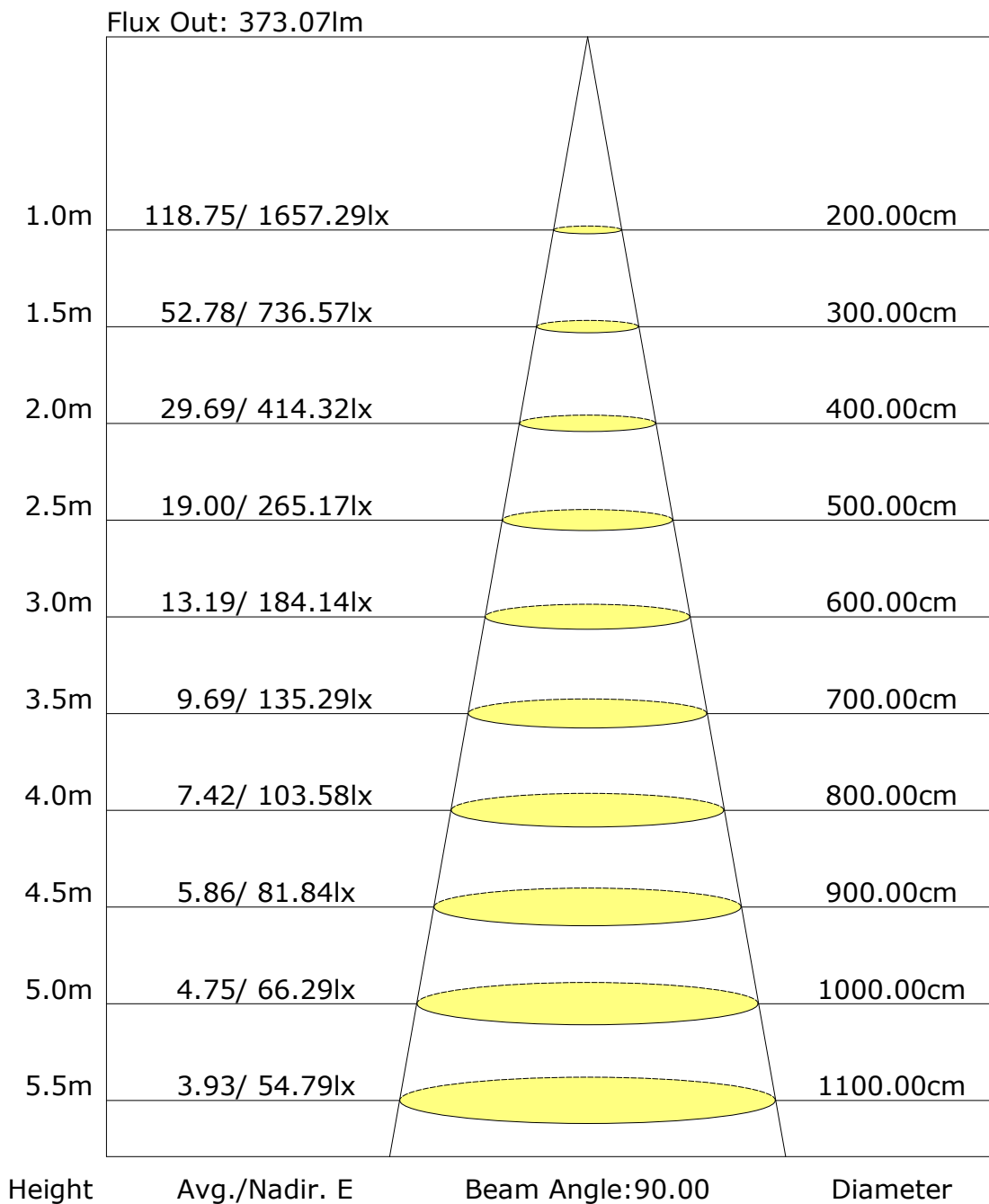
Lowest(m): 1m Highest(m): 11 Max Lux: 1657

| | |
|-----------------|----------------|
| (1%): 17 lx | (2%): 33 lx |
| (5%): 83 lx | (10%): 166 lx |
| (20%): 331 lx | (50%): 829 lx |
| (100%): 1657 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:

Zonal Lumen

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0 | 1653.9 | 1.6 | 1.6 | 0.42 | 0.42 |
| 1.0-2.0 | 1639.3 | 4.7 | 6.3 | 1.26 | 1.68 |
| 2.0-3.0 | 1608.8 | 7.7 | 14.0 | 2.06 | 3.74 |
| 3.0-4.0 | 1564.1 | 10.5 | 24.5 | 2.80 | 6.54 |
| 4.0-5.0 | 1507.0 | 13.0 | 37.4 | 3.47 | 10.01 |
| 5.0-6.0 | 1439.3 | 15.1 | 52.5 | 4.05 | 14.05 |
| 6.0-7.0 | 1365.4 | 16.9 | 69.5 | 4.53 | 18.59 |
| 7.0-8.0 | 1288.2 | 18.4 | 87.9 | 4.93 | 23.52 |
| 8.0-9.0 | 1211.8 | 19.6 | 107.6 | 5.25 | 28.77 |
| 9.0-10.0 | 1137.6 | 20.6 | 128.2 | 5.51 | 34.28 |
| 10.0-11.0 | 1064.3 | 21.3 | 149.4 | 5.69 | 39.96 |
| 11.0-12.0 | 990.1 | 21.6 | 171.1 | 5.79 | 45.75 |
| 12.0-13.0 | 912.7 | 21.7 | 192.7 | 5.79 | 51.55 |
| 13.0-14.0 | 831.1 | 21.3 | 214.0 | 5.69 | 57.24 |
| 14.0-15.0 | 748.6 | 20.6 | 234.6 | 5.50 | 62.73 |
| 15.0-16.0 | 669.4 | 19.6 | 254.2 | 5.25 | 67.98 |
| 16.0-17.0 | 593.4 | 18.5 | 272.7 | 4.94 | 72.92 |
| 17.0-18.0 | 518.9 | 17.1 | 289.8 | 4.58 | 77.50 |
| 18.0-19.0 | 446.2 | 15.5 | 305.3 | 4.15 | 81.65 |
| 19.0-20.0 | 375.8 | 13.8 | 319.1 | 3.68 | 85.33 |
| 20.0-21.0 | 309.1 | 11.9 | 330.9 | 3.17 | 88.50 |
| 21.0-22.0 | 247.2 | 9.9 | 340.9 | 2.66 | 91.16 |
| 22.0-23.0 | 190.7 | 8.0 | 348.9 | 2.14 | 93.30 |
| 23.0-24.0 | 141.4 | 6.2 | 355.1 | 1.65 | 94.95 |
| 24.0-25.0 | 100.9 | 4.6 | 359.6 | 1.23 | 96.18 |
| 25.0-26.0 | 69.9 | 3.3 | 363.0 | 0.88 | 97.06 |
| 26.0-27.0 | 47.8 | 2.3 | 365.3 | 0.62 | 97.69 |
| 27.0-28.0 | 32.8 | 1.7 | 366.9 | 0.44 | 98.13 |
| 28.0-29.0 | 23.2 | 1.2 | 368.2 | 0.33 | 98.46 |
| 29.0-30.0 | 17.4 | 0.9 | 369.1 | 0.25 | 98.71 |
| 30.0-31.0 | 13.8 | 0.8 | 369.9 | 0.20 | 98.91 |
| 31.0-32.0 | 11.3 | 0.6 | 370.5 | 0.17 | 99.09 |
| 32.0-33.0 | 9.6 | 0.6 | 371.1 | 0.15 | 99.24 |
| 33.0-34.0 | 8.1 | 0.5 | 371.6 | 0.13 | 99.37 |
| 34.0-35.0 | 6.5 | 0.4 | 372.0 | 0.11 | 99.48 |
| 35.0-36.0 | 4.8 | 0.3 | 372.3 | 0.08 | 99.56 |

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:

Zonal Lumen (Continue 1)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0 | 3.3 | 0.2 | 372.5 | 0.06 | 99.62 |
| 37.0-38.0 | 2.3 | 0.2 | 372.6 | 0.04 | 99.66 |
| 38.0-39.0 | 1.5 | 0.1 | 372.8 | 0.03 | 99.68 |
| 39.0-40.0 | 1.2 | 0.1 | 372.8 | 0.02 | 99.71 |
| 40.0-41.0 | 1.0 | 0.1 | 372.9 | 0.02 | 99.72 |
| 41.0-42.0 | 0.7 | 0.1 | 373.0 | 0.01 | 99.74 |
| 42.0-43.0 | 0.6 | 0.0 | 373.0 | 0.01 | 99.75 |
| 43.0-44.0 | 0.5 | 0.0 | 373.0 | 0.01 | 99.76 |
| 44.0-45.0 | 0.4 | 0.0 | 373.1 | 0.01 | 99.77 |
| 45.0-46.0 | 0.3 | 0.0 | 373.1 | 0.01 | 99.77 |
| 46.0-47.0 | 0.3 | 0.0 | 373.1 | 0.01 | 99.78 |
| 47.0-48.0 | 0.2 | 0.0 | 373.1 | 0.00 | 99.79 |
| 48.0-49.0 | 0.2 | 0.0 | 373.1 | 0.00 | 99.79 |
| 49.0-50.0 | 0.1 | 0.0 | 373.2 | 0.00 | 99.79 |
| 50.0-51.0 | 0.1 | 0.0 | 373.2 | 0.00 | 99.79 |
| 51.0-52.0 | 0.1 | 0.0 | 373.2 | 0.00 | 99.80 |
| 52.0-53.0 | 0.1 | 0.0 | 373.2 | 0.00 | 99.80 |
| 53.0-54.0 | 0.1 | 0.0 | 373.2 | 0.00 | 99.80 |
| 54.0-55.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 55.0-56.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 56.0-57.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 57.0-58.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 58.0-59.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 59.0-60.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 60.0-61.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 61.0-62.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 62.0-63.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 63.0-64.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 64.0-65.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 65.0-66.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 66.0-67.0 | 0.1 | 0.0 | 373.2 | 0.00 | 99.80 |
| 67.0-68.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.80 |
| 68.0-69.0 | 0.0 | 0.0 | 373.2 | 0.00 | 99.81 |
| 69.0-70.0 | 0.1 | 0.0 | 373.2 | 0.00 | 99.81 |
| 70.0-71.0 | 0.1 | 0.0 | 373.2 | 0.00 | 99.81 |
| 71.0-72.0 | 0.1 | 0.0 | 373.2 | 0.00 | 99.81 |

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:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

| G\C | C0.0 | C180.0 | | | | | | | | |
|-------|--------|--------|--|--|--|--|--|--|--|--|
| G0.0 | 1657.3 | 1657.3 | | | | | | | | |
| G1.0 | 1631.6 | 1669.2 | | | | | | | | |
| G2.0 | 1589.7 | 1666.7 | | | | | | | | |
| G3.0 | 1532.2 | 1646.6 | | | | | | | | |
| G4.0 | 1463.8 | 1613.9 | | | | | | | | |
| G5.0 | 1384.3 | 1565.7 | | | | | | | | |
| G6.0 | 1302.3 | 1504.9 | | | | | | | | |
| G7.0 | 1218.9 | 1435.4 | | | | | | | | |
| G8.0 | 1137.7 | 1360.9 | | | | | | | | |
| G9.0 | 1060.3 | 1288.2 | | | | | | | | |
| G10.0 | 985.5 | 1216.3 | | | | | | | | |
| G11.0 | 910.5 | 1144.7 | | | | | | | | |
| G12.0 | 835.5 | 1069.7 | | | | | | | | |
| G13.0 | 758.3 | 987.5 | | | | | | | | |
| G14.0 | 681.3 | 897.4 | | | | | | | | |
| G15.0 | 609.3 | 806.4 | | | | | | | | |
| G16.0 | 541.2 | 720.7 | | | | | | | | |
| G17.0 | 473.8 | 637.7 | | | | | | | | |
| G18.0 | 407.6 | 556.6 | | | | | | | | |
| G19.0 | 343.6 | 477.0 | | | | | | | | |
| G20.0 | 282.6 | 400.1 | | | | | | | | |
| G21.0 | 225.8 | 328.0 | | | | | | | | |
| G22.0 | 174.4 | 260.5 | | | | | | | | |
| G23.0 | 129.3 | 198.7 | | | | | | | | |
| G24.0 | 92.3 | 145.1 | | | | | | | | |
| G25.0 | 64.4 | 101.7 | | | | | | | | |
| G26.0 | 44.4 | 69.2 | | | | | | | | |
| G27.0 | 31.2 | 46.2 | | | | | | | | |
| G28.0 | 23.0 | 30.7 | | | | | | | | |
| G29.0 | 17.9 | 21.3 | | | | | | | | |
| G30.0 | 14.9 | 15.4 | | | | | | | | |
| G31.0 | 12.8 | 11.9 | | | | | | | | |
| G32.0 | 10.9 | 9.7 | | | | | | | | |
| G33.0 | 9.6 | 8.4 | | | | | | | | |
| G34.0 | 7.6 | 6.9 | | | | | | | | |
| G35.0 | 5.7 | 5.7 | | | | | | | | |
| G36.0 | 3.9 | 4.0 | | | | | | | | |

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:

Candlepower Table (Continue 1)

Unit: cd

| G\C | C0.0 | C180.0 | | | | | | | | |
|-------|------|--------|--|--|--|--|--|--|--|--|
| G37.0 | 2.7 | 2.7 | | | | | | | | |
| G38.0 | 1.6 | 2.1 | | | | | | | | |
| G39.0 | 1.2 | 1.2 | | | | | | | | |
| G40.0 | 1.2 | 1.0 | | | | | | | | |
| G41.0 | 0.9 | 0.8 | | | | | | | | |
| G42.0 | 0.8 | 0.4 | | | | | | | | |
| G43.0 | 0.8 | 0.4 | | | | | | | | |
| G44.0 | 0.4 | 0.4 | | | | | | | | |
| G45.0 | 0.4 | 0.2 | | | | | | | | |
| G46.0 | 0.4 | 0.2 | | | | | | | | |
| G47.0 | 0.4 | 0.2 | | | | | | | | |
| G48.0 | 0.2 | 0.2 | | | | | | | | |
| G49.0 | 0.3 | 0.0 | | | | | | | | |
| G50.0 | 0.2 | 0.0 | | | | | | | | |
| G51.0 | 0.2 | 0.0 | | | | | | | | |
| G52.0 | 0.3 | 0.0 | | | | | | | | |
| G53.0 | 0.2 | 0.0 | | | | | | | | |
| G54.0 | 0.2 | 0.0 | | | | | | | | |
| G55.0 | 0.0 | 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 | 0.2 | 0.0 | | | | | | | | |
| G67.0 | 0.2 | 0.0 | | | | | | | | |
| G68.0 | 0.0 | 0.0 | | | | | | | | |
| G69.0 | 0.2 | 0.0 | | | | | | | | |
| G70.0 | 0.2 | 0.0 | | | | | | | | |
| G71.0 | 0.2 | 0.2 | | | | | | | | |
| G72.0 | 0.2 | 0.0 | | | | | | | | |
| G73.0 | 0.3 | 0.2 | | | | | | | | |

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:

Unit: cd

[illegible]

Inspector: