

Report No.: 22.02011 Enko Profile Systems Test Time: 2024-10-06 16:11

Luminaire Property

Luminaire Category:

Length (mm): 586

Voltage: 223.8 V

Power: 21.20 W

Width (mm): 20

Current: 0.099 A

Power Factor: 0.954

Photometric Results

CIE Class: Direct

Measurement Flux: 1497.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H36.2

Vertical Diffuse Angle(50%): V36.2

Luminaire Efficacy Rating (LER): 71

Max. Intensity: 3874.58 cd

Total Rated Lamp Lumens: 1497.8 lm

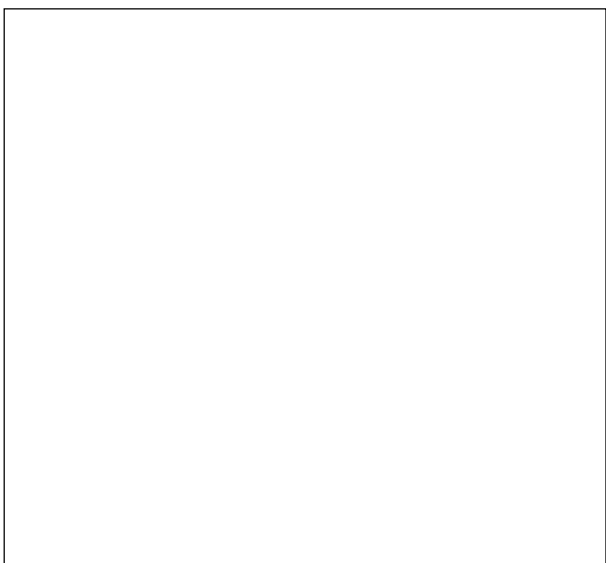
Efficiency: 100%

Upward Ratio: 0%

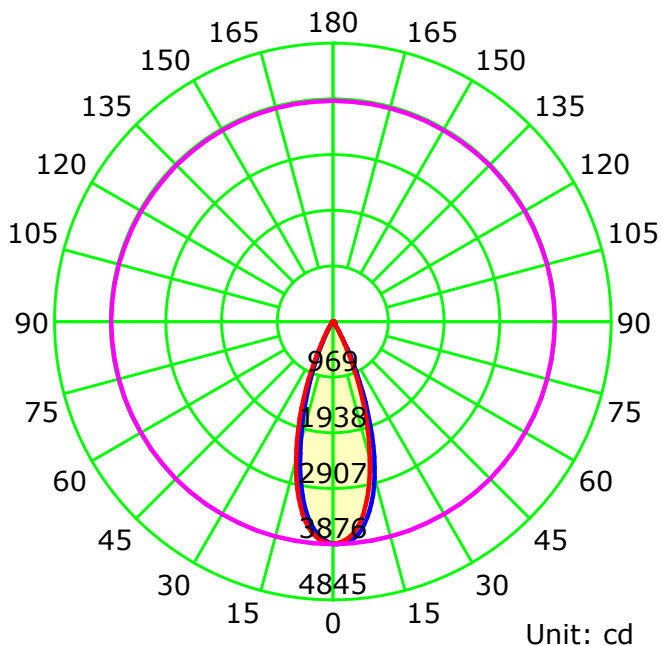
Central Intensity: 3868.33 cd

Pos of Max. Intensity: H0 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

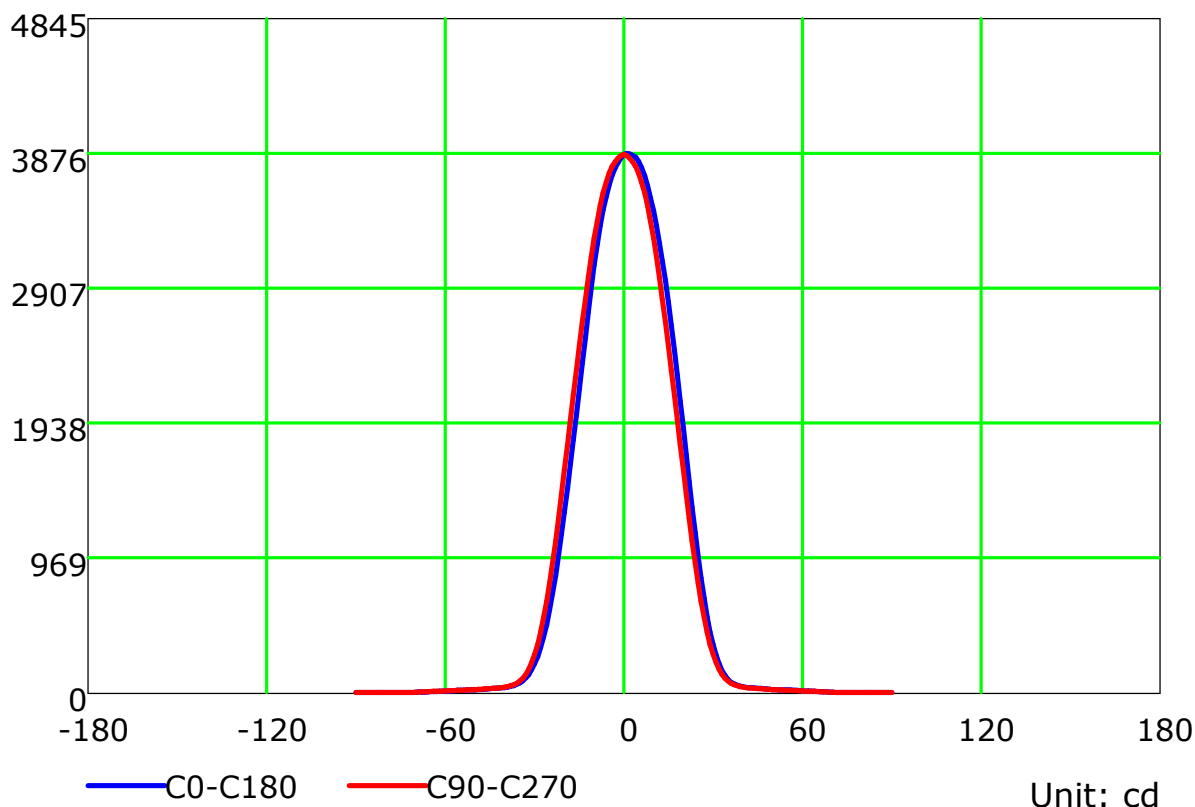
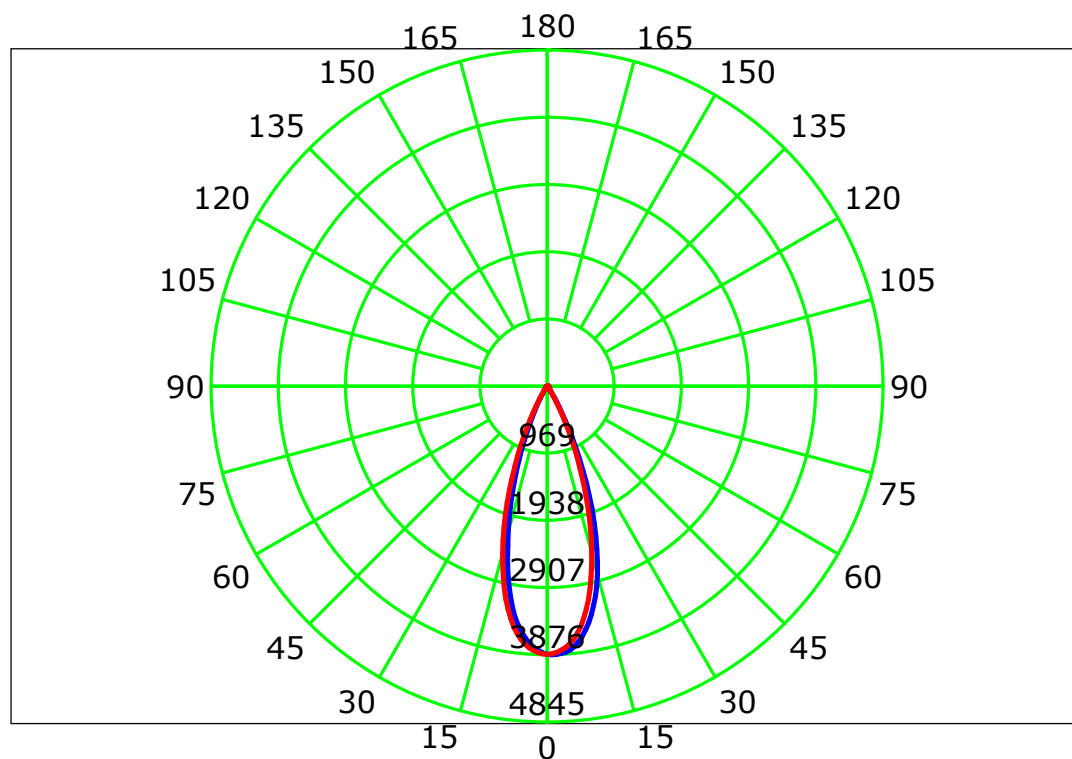
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

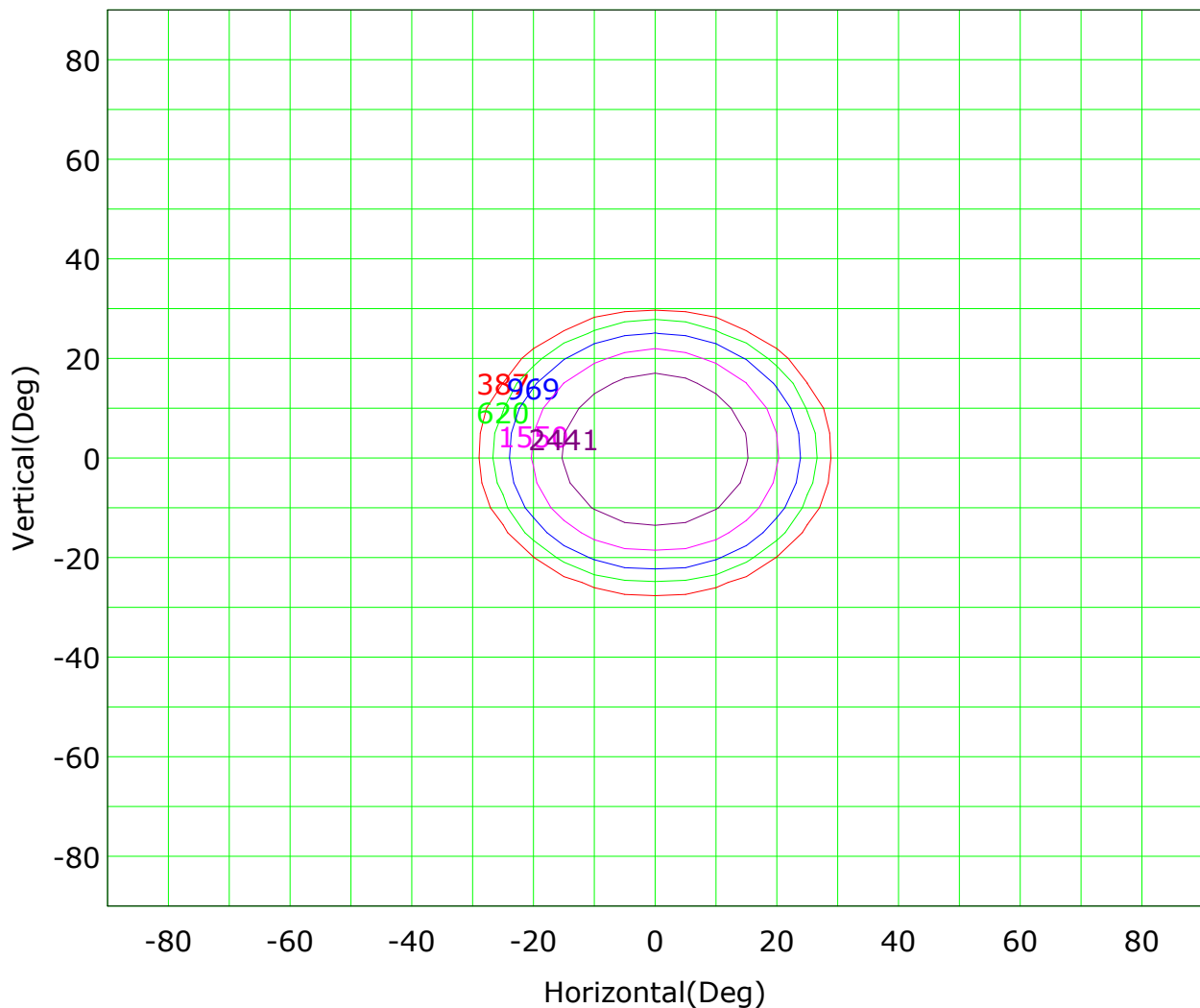
Luminous Intensity Distribution Curve



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: 3.328 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 3875 cd

| | |
|-----------------|-----------------|
| (10%): 387 cd | (16%): 620 cd |
| (25%): 969 cd | (40%): 1550 cd |
| (63%): 2441 cd | (100%): 3875 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

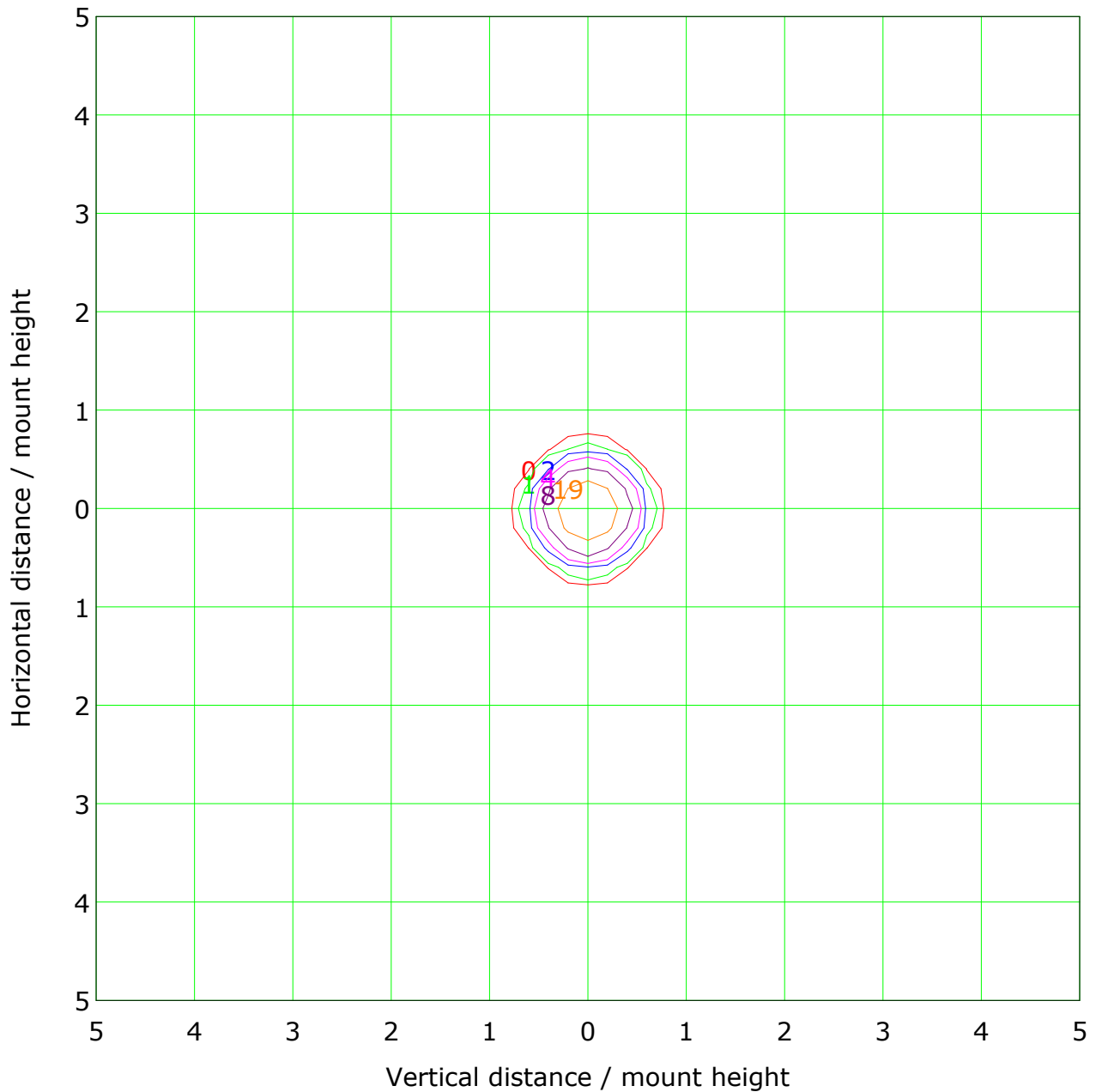
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



| | | | |
|----------------------|-------|----------------------|-------|
| Mounting Height: 10m | | Max Lux(100%): 39 lx | |
| (1%): | 0 lx | (2%): | 1 lx |
| (5%): | 2 lx | (10%): | 4 lx |
| (20%): | 8 lx | (50%): | 19 lx |
| (100%): | 39 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

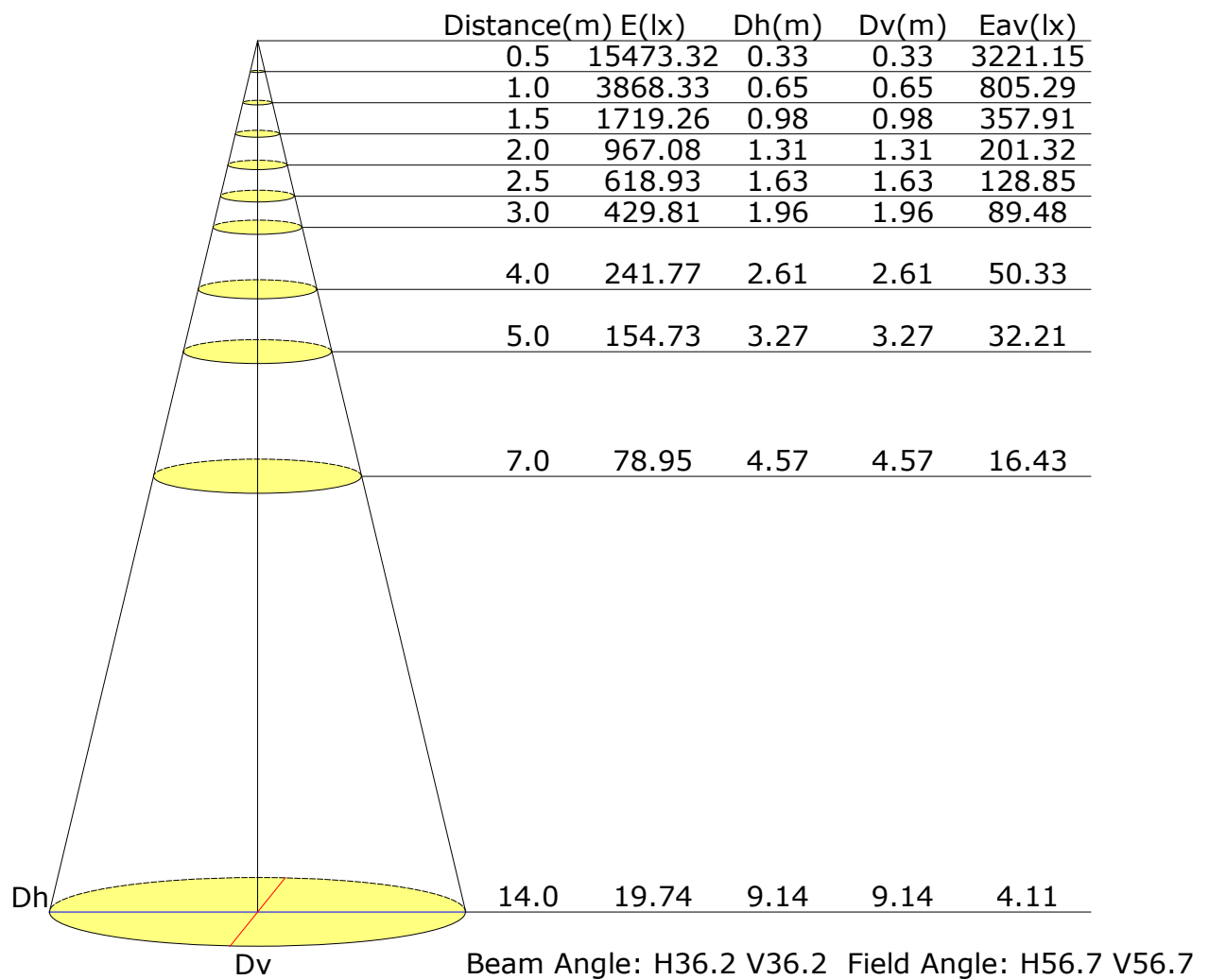
Test Device: CHL-6E

Distance: 3.328 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

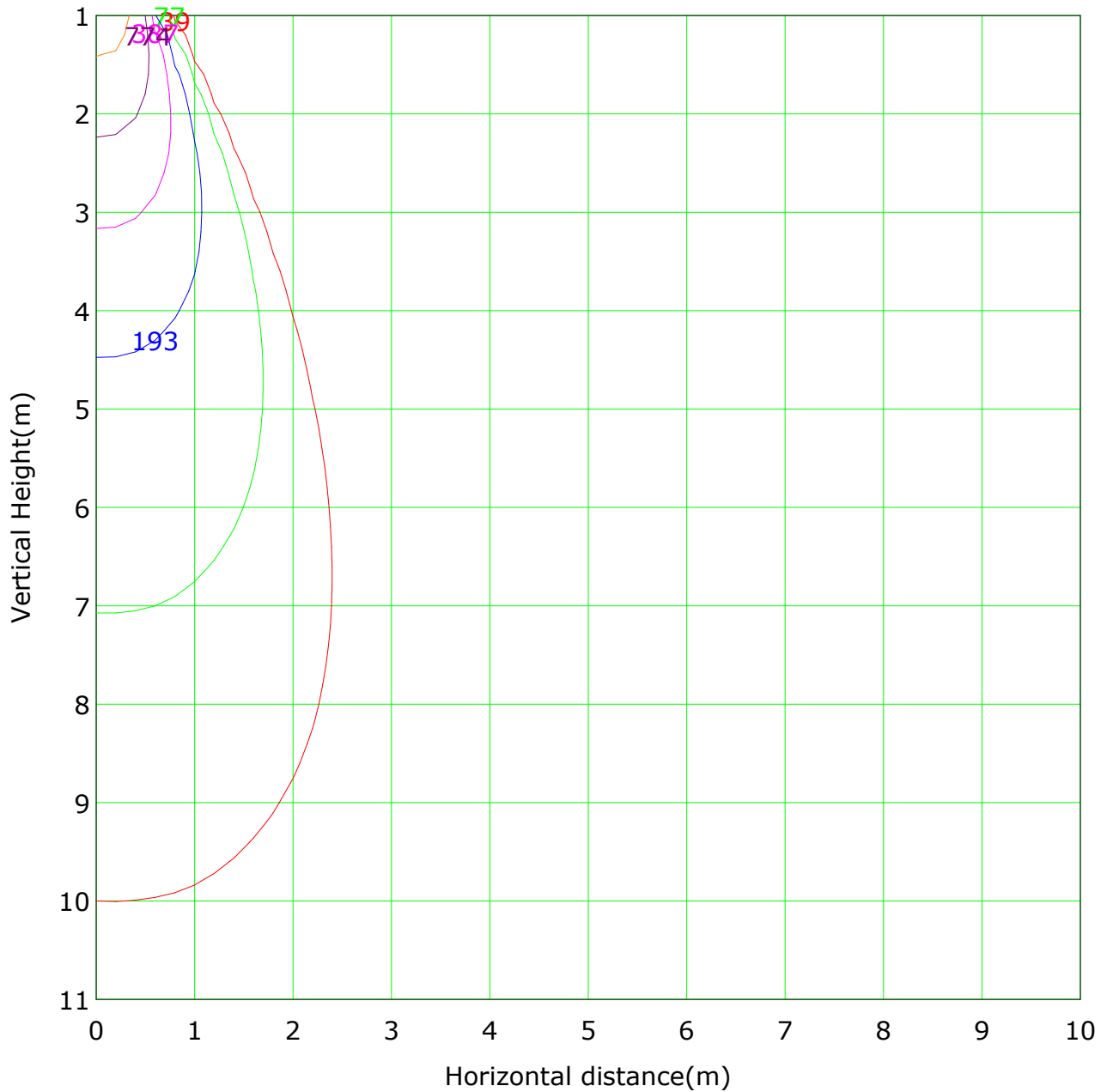
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Vertical IsoLux Plot

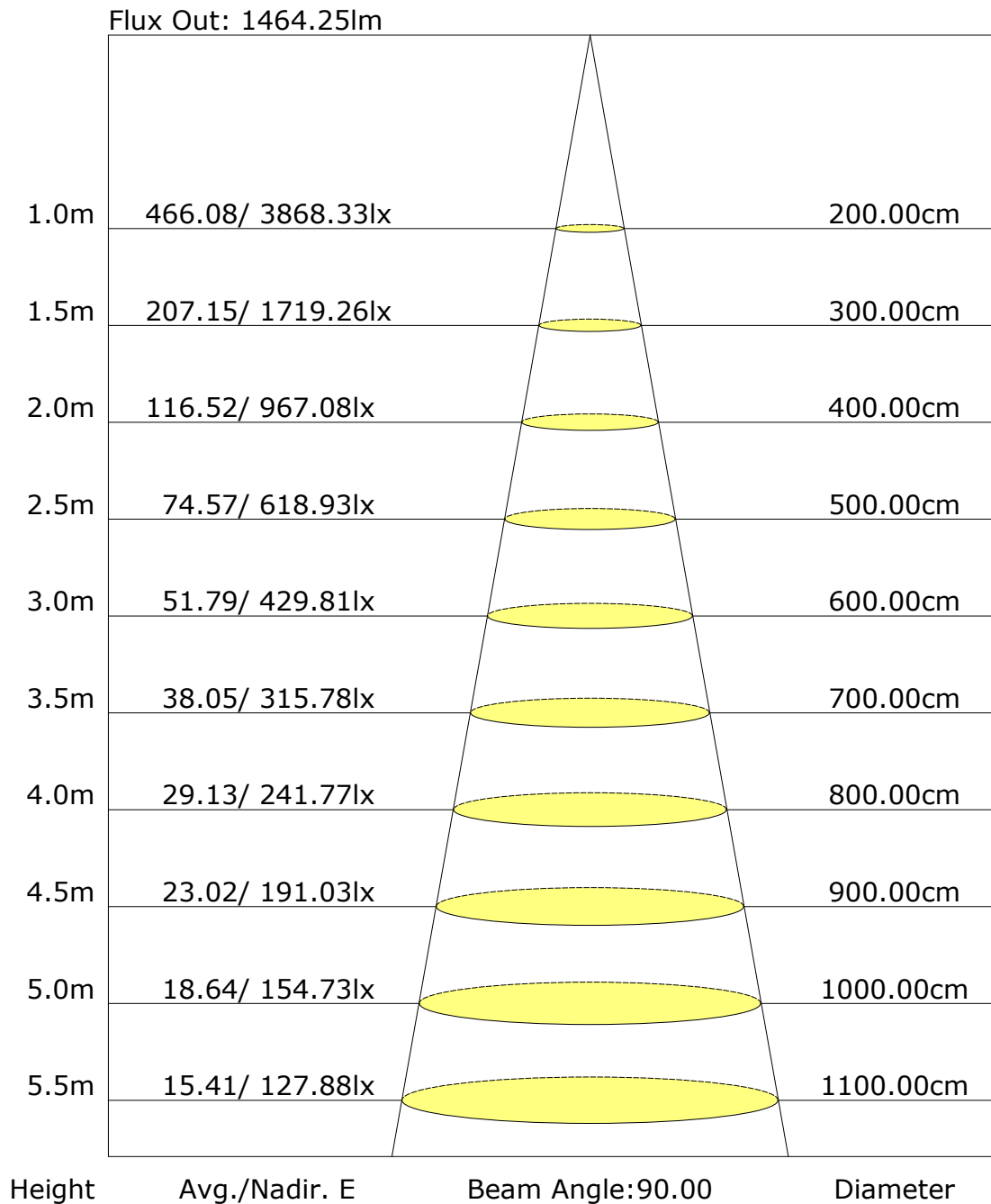


| | |
|--|-----------------|
| Lowest(m): 1m Highest(m): 11 Max Lux: 3868 | |
| (1%): 39 lx | (2%): 77 lx |
| (5%): 193 lx | (10%): 387 lx |
| (20%): 774 lx | (50%): 1934 lx |
| (100%): 3868 lx | |

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: 3.328 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: 3.328 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 | 3864.0 | 3.7 | 3.7 | 0.25 | 0.25 |
| 1.0-2.0 | 3850.9 | 11.1 | 14.8 | 0.74 | 0.98 |
| 2.0-3.0 | 3829.4 | 18.3 | 33.1 | 1.22 | 2.21 |
| 3.0-4.0 | 3799.1 | 25.4 | 58.5 | 1.70 | 3.91 |
| 4.0-5.0 | 3757.1 | 32.3 | 90.8 | 2.16 | 6.06 |
| 5.0-6.0 | 3700.7 | 38.9 | 129.7 | 2.60 | 8.66 |
| 6.0-7.0 | 3630.2 | 45.1 | 174.8 | 3.01 | 11.67 |
| 7.0-8.0 | 3545.8 | 50.8 | 225.5 | 3.39 | 15.06 |
| 8.0-9.0 | 3444.5 | 55.8 | 281.4 | 3.73 | 18.79 |
| 9.0-10.0 | 3327.9 | 60.2 | 341.6 | 4.02 | 22.81 |
| 10.0-11.0 | 3198.9 | 63.9 | 405.5 | 4.27 | 27.07 |
| 11.0-12.0 | 3057.7 | 66.9 | 472.4 | 4.46 | 31.54 |
| 12.0-13.0 | 2905.6 | 69.0 | 541.3 | 4.60 | 36.14 |
| 13.0-14.0 | 2745.1 | 70.3 | 611.6 | 4.69 | 40.83 |
| 14.0-15.0 | 2579.3 | 70.8 | 682.4 | 4.73 | 45.56 |
| 15.0-16.0 | 2407.6 | 70.6 | 753.0 | 4.71 | 50.27 |
| 16.0-17.0 | 2229.6 | 69.4 | 822.4 | 4.64 | 54.91 |
| 17.0-18.0 | 2050.7 | 67.6 | 890.1 | 4.51 | 59.42 |
| 18.0-19.0 | 1871.2 | 65.1 | 955.2 | 4.35 | 63.77 |
| 19.0-20.0 | 1690.1 | 61.9 | 1017.0 | 4.13 | 67.90 |
| 20.0-21.0 | 1512.2 | 58.1 | 1075.1 | 3.88 | 71.78 |
| 21.0-22.0 | 1338.3 | 53.8 | 1128.9 | 3.59 | 75.37 |
| 22.0-23.0 | 1169.7 | 49.1 | 1178.0 | 3.28 | 78.65 |
| 23.0-24.0 | 1008.8 | 44.1 | 1222.1 | 2.95 | 81.59 |
| 24.0-25.0 | 859.6 | 39.1 | 1261.2 | 2.61 | 84.20 |
| 25.0-26.0 | 722.4 | 34.1 | 1295.3 | 2.28 | 86.48 |
| 26.0-27.0 | 597.8 | 29.2 | 1324.5 | 1.95 | 88.43 |
| 27.0-28.0 | 487.7 | 24.7 | 1349.2 | 1.65 | 90.08 |
| 28.0-29.0 | 391.8 | 20.5 | 1369.7 | 1.37 | 91.45 |
| 29.0-30.0 | 311.4 | 16.8 | 1386.6 | 1.12 | 92.57 |
| 30.0-31.0 | 246.5 | 13.7 | 1400.3 | 0.92 | 93.49 |
| 31.0-32.0 | 193.5 | 11.1 | 1411.4 | 0.74 | 94.23 |
| 32.0-33.0 | 151.2 | 8.9 | 1420.3 | 0.59 | 94.82 |
| 33.0-34.0 | 118.1 | 7.1 | 1427.4 | 0.48 | 95.30 |
| 34.0-35.0 | 93.2 | 5.8 | 1433.2 | 0.39 | 95.69 |
| 35.0-36.0 | 75.1 | 4.8 | 1438.0 | 0.32 | 96.01 |

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: 3.328 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 | 62.0 | 4.0 | 1442.0 | 0.27 | 96.28 |
| 37.0-38.0 | 53.9 | 3.6 | 1445.6 | 0.24 | 96.52 |
| 38.0-39.0 | 47.4 | 3.2 | 1448.9 | 0.22 | 96.73 |
| 39.0-40.0 | 41.5 | 2.9 | 1451.8 | 0.19 | 96.92 |
| 40.0-41.0 | 38.0 | 2.7 | 1454.5 | 0.18 | 97.11 |
| 41.0-42.0 | 35.5 | 2.6 | 1457.1 | 0.17 | 97.28 |
| 42.0-43.0 | 33.3 | 2.5 | 1459.5 | 0.16 | 97.44 |
| 43.0-44.0 | 31.8 | 2.4 | 1461.9 | 0.16 | 97.60 |
| 44.0-45.0 | 30.2 | 2.3 | 1464.2 | 0.16 | 97.76 |
| 45.0-46.0 | 28.7 | 2.2 | 1466.5 | 0.15 | 97.91 |
| 46.0-47.0 | 27.4 | 2.2 | 1468.7 | 0.15 | 98.05 |
| 47.0-48.0 | 25.6 | 2.1 | 1470.7 | 0.14 | 98.19 |
| 48.0-49.0 | 23.7 | 1.9 | 1472.7 | 0.13 | 98.32 |
| 49.0-50.0 | 21.8 | 1.8 | 1474.5 | 0.12 | 98.44 |
| 50.0-51.0 | 20.9 | 1.8 | 1476.3 | 0.12 | 98.56 |
| 51.0-52.0 | 20.3 | 1.7 | 1478.0 | 0.12 | 98.68 |
| 52.0-53.0 | 19.3 | 1.7 | 1479.7 | 0.11 | 98.79 |
| 53.0-54.0 | 18.4 | 1.6 | 1481.3 | 0.11 | 98.90 |
| 54.0-55.0 | 17.5 | 1.6 | 1482.9 | 0.10 | 99.00 |
| 55.0-56.0 | 17.5 | 1.6 | 1484.4 | 0.11 | 99.11 |
| 56.0-57.0 | 16.2 | 1.5 | 1485.9 | 0.10 | 99.21 |
| 57.0-58.0 | 15.0 | 1.4 | 1487.3 | 0.09 | 99.30 |
| 58.0-59.0 | 14.0 | 1.3 | 1488.6 | 0.09 | 99.39 |
| 59.0-60.0 | 12.8 | 1.2 | 1489.8 | 0.08 | 99.47 |
| 60.0-61.0 | 11.5 | 1.1 | 1490.9 | 0.07 | 99.54 |
| 61.0-62.0 | 10.9 | 1.1 | 1492.0 | 0.07 | 99.61 |
| 62.0-63.0 | 10.3 | 1.0 | 1493.0 | 0.07 | 99.68 |
| 63.0-64.0 | 9.4 | 0.9 | 1493.9 | 0.06 | 99.74 |
| 64.0-65.0 | 9.0 | 0.9 | 1494.8 | 0.06 | 99.80 |
| 65.0-66.0 | 7.8 | 0.8 | 1495.6 | 0.05 | 99.85 |
| 66.0-67.0 | 5.9 | 0.6 | 1496.2 | 0.04 | 99.89 |
| 67.0-68.0 | 5.0 | 0.5 | 1496.7 | 0.03 | 99.92 |
| 68.0-69.0 | 4.7 | 0.5 | 1497.1 | 0.03 | 99.95 |
| 69.0-70.0 | 3.4 | 0.4 | 1497.5 | 0.02 | 99.98 |
| 70.0-71.0 | 1.6 | 0.2 | 1497.7 | 0.01 | 99.99 |
| 71.0-72.0 | 0.6 | 0.1 | 1497.7 | 0.00 | 99.99 |

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: 3.328 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

| G\C | C0.0 | C180.0 | | | | | | | | |
|-------|--------|--------|--|--|--|--|--|--|--|--|
| G0.0 | 3868.3 | 3868.3 | | | | | | | | |
| G1.0 | 3874.6 | 3844.6 | | | | | | | | |
| G2.0 | 3872.1 | 3812.2 | | | | | | | | |
| G3.0 | 3862.1 | 3771.1 | | | | | | | | |
| G4.0 | 3847.1 | 3716.2 | | | | | | | | |
| G5.0 | 3817.2 | 3647.7 | | | | | | | | |
| G6.0 | 3773.6 | 3564.1 | | | | | | | | |
| G7.0 | 3713.8 | 3469.4 | | | | | | | | |
| G8.0 | 3643.9 | 3356.0 | | | | | | | | |
| G9.0 | 3555.4 | 3222.6 | | | | | | | | |
| G10.0 | 3460.7 | 3073.0 | | | | | | | | |
| G11.0 | 3353.5 | 2908.4 | | | | | | | | |
| G12.0 | 3231.3 | 2737.6 | | | | | | | | |
| G13.0 | 3102.9 | 2550.6 | | | | | | | | |
| G14.0 | 2962.0 | 2364.9 | | | | | | | | |
| G15.0 | 2808.7 | 2181.6 | | | | | | | | |
| G16.0 | 2642.9 | 1997.1 | | | | | | | | |
| G17.0 | 2460.9 | 1817.6 | | | | | | | | |
| G18.0 | 2280.1 | 1644.3 | | | | | | | | |
| G19.0 | 2094.4 | 1466.1 | | | | | | | | |
| G20.0 | 1903.6 | 1296.5 | | | | | | | | |
| G21.0 | 1709.2 | 1139.4 | | | | | | | | |
| G22.0 | 1517.2 | 987.3 | | | | | | | | |
| G23.0 | 1332.7 | 841.5 | | | | | | | | |
| G24.0 | 1149.4 | 711.8 | | | | | | | | |
| G25.0 | 979.9 | 597.1 | | | | | | | | |
| G26.0 | 824.0 | 488.7 | | | | | | | | |
| G27.0 | 678.2 | 400.2 | | | | | | | | |
| G28.0 | 547.3 | 325.4 | | | | | | | | |
| G29.0 | 435.1 | 259.3 | | | | | | | | |
| G30.0 | 342.8 | 208.2 | | | | | | | | |
| G31.0 | 269.3 | 165.8 | | | | | | | | |
| G32.0 | 209.4 | 129.6 | | | | | | | | |
| G33.0 | 159.6 | 106.0 | | | | | | | | |
| G34.0 | 122.2 | 84.8 | | | | | | | | |
| G35.0 | 96.0 | 69.8 | | | | | | | | |
| G36.0 | 74.8 | 59.8 | | | | | | | | |

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: 3.328 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

| G\C | C0.0 | C180.0 | | | | | | | | |
|-------|------|--------|--|--|--|--|--|--|--|--|
| G37.0 | 63.6 | 49.9 | | | | | | | | |
| G38.0 | 54.8 | 47.4 | | | | | | | | |
| G39.0 | 46.1 | 41.1 | | | | | | | | |
| G40.0 | 42.4 | 36.2 | | | | | | | | |
| G41.0 | 38.7 | 34.9 | | | | | | | | |
| G42.0 | 36.2 | 32.4 | | | | | | | | |
| G43.0 | 34.9 | 29.9 | | | | | | | | |
| G44.0 | 32.4 | 29.9 | | | | | | | | |
| G45.0 | 29.9 | 28.7 | | | | | | | | |
| G46.0 | 29.9 | 26.2 | | | | | | | | |
| G47.0 | 28.7 | 24.9 | | | | | | | | |
| G48.0 | 27.4 | 21.2 | | | | | | | | |
| G49.0 | 23.7 | 22.4 | | | | | | | | |
| G50.0 | 21.2 | 20.0 | | | | | | | | |
| G51.0 | 22.4 | 20.0 | | | | | | | | |
| G52.0 | 20.0 | 18.7 | | | | | | | | |
| G53.0 | 20.0 | 18.7 | | | | | | | | |
| G54.0 | 18.7 | 16.2 | | | | | | | | |
| G55.0 | 18.7 | 16.2 | | | | | | | | |
| G56.0 | 18.7 | 16.2 | | | | | | | | |
| G57.0 | 16.2 | 13.7 | | | | | | | | |
| G58.0 | 16.2 | 13.7 | | | | | | | | |
| G59.0 | 15.0 | 11.2 | | | | | | | | |
| G60.0 | 13.7 | 11.2 | | | | | | | | |
| G61.0 | 11.2 | 10.0 | | | | | | | | |
| G62.0 | 12.5 | 10.0 | | | | | | | | |
| G63.0 | 10.0 | 8.7 | | | | | | | | |
| G64.0 | 10.0 | 8.7 | | | | | | | | |
| G65.0 | 8.7 | 8.7 | | | | | | | | |
| G66.0 | 7.5 | 6.2 | | | | | | | | |
| G67.0 | 6.2 | 3.7 | | | | | | | | |
| G68.0 | 6.2 | 3.7 | | | | | | | | |
| G69.0 | 3.7 | 5.0 | | | | | | | | |
| G70.0 | 3.7 | 1.3 | | | | | | | | |
| G71.0 | 1.3 | 0.0 | | | | | | | | |
| G72.0 | 1.3 | 0.0 | | | | | | | | |
| G73.0 | 1.3 | 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: 3.328 m

Humidity:

Inspector:

Unit: cd

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector: