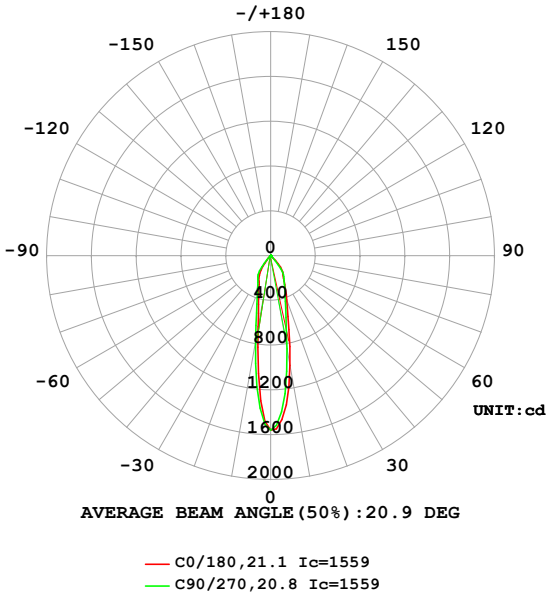
# LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---|---|
| Test:U:230.23V I:0.0504A P:5.1297W PF:0.4418 Freq:50.19Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:592.27x1 lm | | |
| LumCAT: 1-1890-A2 | Test NO: 20261030-C005 | Report NO: 20261030-B005 |
| LED HOLDER: 92.70.458.00 | DIM.: | Lamp No.: 1 |
| LampCAT: CITIZEN CLU703 | MFR.: NATA | |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 103.64 lm/W | | | |
|---|---|---|---|---|---|
| MODEL | | Imax(cd) | 1599 | S/MH(C0/180) | 0.29 |
| NOMINAL POWER(W) | 10 | LOR(%) | 89.8 | S/MH(C90/270) | 0.34 |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 531.65 | η UP,DN(C0-180) | 0.0,47.0 |
| NOMINAL FLUX(lm) | 592.27 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,42.8 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 34.9 | η down(%) | 89.8 | CIBSE SHR MAX | 1.00 |

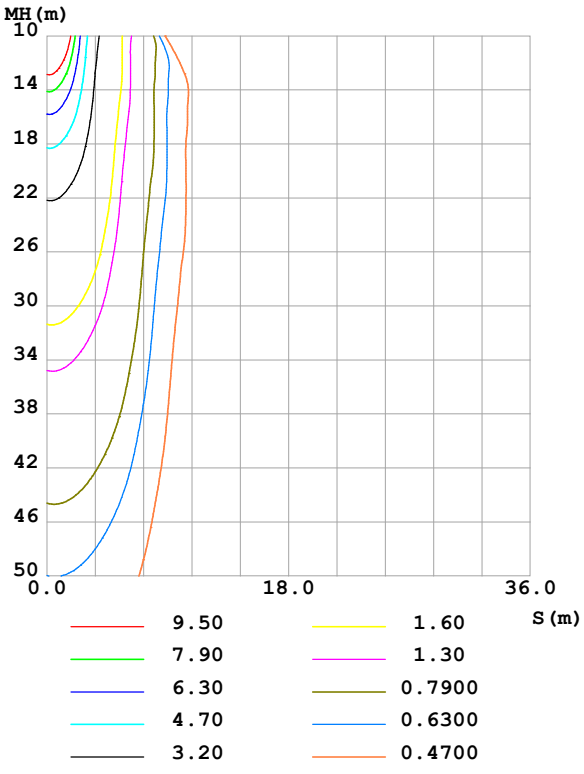
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM




AVERAGE BEAM ANGLE(50%):20.9 DEG

C0/180,21.1 Ic=1559
C90/270,20.8 Ic=1559

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)




C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

# ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 997.0 | 998.6 | 846.2 | 619.9 | 644.8 | 664.8 | 783.2 | 1052 | 0- 10 | 108.3 | 108.3 | 20.4,18.3 |
| 20 | 422.4 | 419.7 | 384.0 | 324.5 | 309.7 | 319.7 | 350.3 | 422.0 | 10- 20 | 148.6 | 256.9 | 48.3,43.4 |
| 30 | 231.0 | 249.0 | 239.8 | 226.8 | 203.6 | 214.8 | 230.7 | 243.0 | 20- 30 | 132.7 | 389.6 | 73.3,65.8 |
| 40 | 137.9 | 143.0 | 106.0 | 57.15 | 49.73 | 68.60 | 89.88 | 145.4 | 30- 40 | 108.3 | 498.0 | 93.7,84.1 |
| 50 | 11.97 | 9.186 | 7.467 | 5.685 | 8.006 | 6.561 | 6.129 | 10.09 | 40- 50 | 27.45 | 525.4 | 98.8,88.7 |
| 60 | 3.206 | 1.469 | 1.141 | 1.650 | 3.040 | 2.801 | 1.543 | 3.057 | 50- 60 | 4.163 | 529.6 | 99.6,89.4 |
| 70 | 0.7895 | 0.5368 | 0.7344 | 1.002 | 0.9188 | 0.5669 | 0.6569 | 0.6156 | 60- 70 | 1.226 | 530.8 | 99.8,89.6 |
| 80 | 0.4050 | 0.3278 | 0.4563 | 0.6416 | 0.4378 | 0.2687 | 0.3820 | 0.2787 | 70- 80 | 0.5963 | 531.4 | 100,89.7 |
| 90 | 0.0498 | 0.0066 | 0.0034 | 0.2514 | 0.0763 | 0.0099 | 0 | 0.0476 | 80- 90 | 0.2605 | 531.7 | 100,89.8 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 521.65 lm

%lum = 98.1%
%lamp = 88.1%

Conical surface Flux(130deg): 530.46 lm

%lum = 99.8%
%lamp = 89.6%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

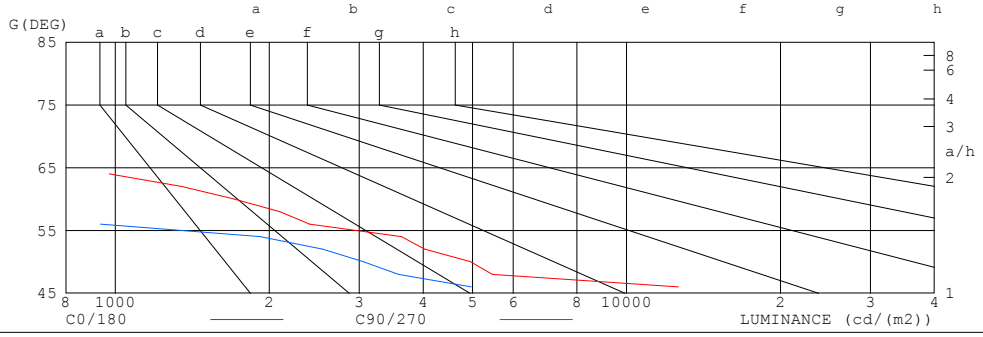
γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

# LUMINANCE LIMITATION CURVES

| | | |
|---|---|---|
| **Test:U:230.23V I:0.0504A P:5.1297W PF:0.4418 Freq:50.19Hz**<br>**UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:592.27x1 lm** | | |
| **LumCAT: 1-1890-A2** | **Test NO: 20261030-C005** | **Report NO: 20261030-B005** |
| **LED HOLDER: 92.70.458.00** | **DIM.:** | **Lamp No.: 1** |
| **LampCAT: CITIZEN CLU703** | **MFR.: NATA** | |

**LUMINANCE LIMITATION CURVES**

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.50 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.20 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |
| | | a | b | c | d | e | f | g | h |




| LUMINANCE cd/(m2) | | |
|---|---|---|
| G(DEG) | C0/180 | C90/270 |
| 85 | 677 | 1081 |
| 80 | 619 | 690 |
| 75 | 667 | 670 |
| 70 | 613 | 564 |
| 65 | 1010 | 556 |
| 60 | 1702 | 599 |
| 55 | 3716 | 1968 |
| 50 | 4943 | 3050 |
| 45 | 23749 | 12582 |

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

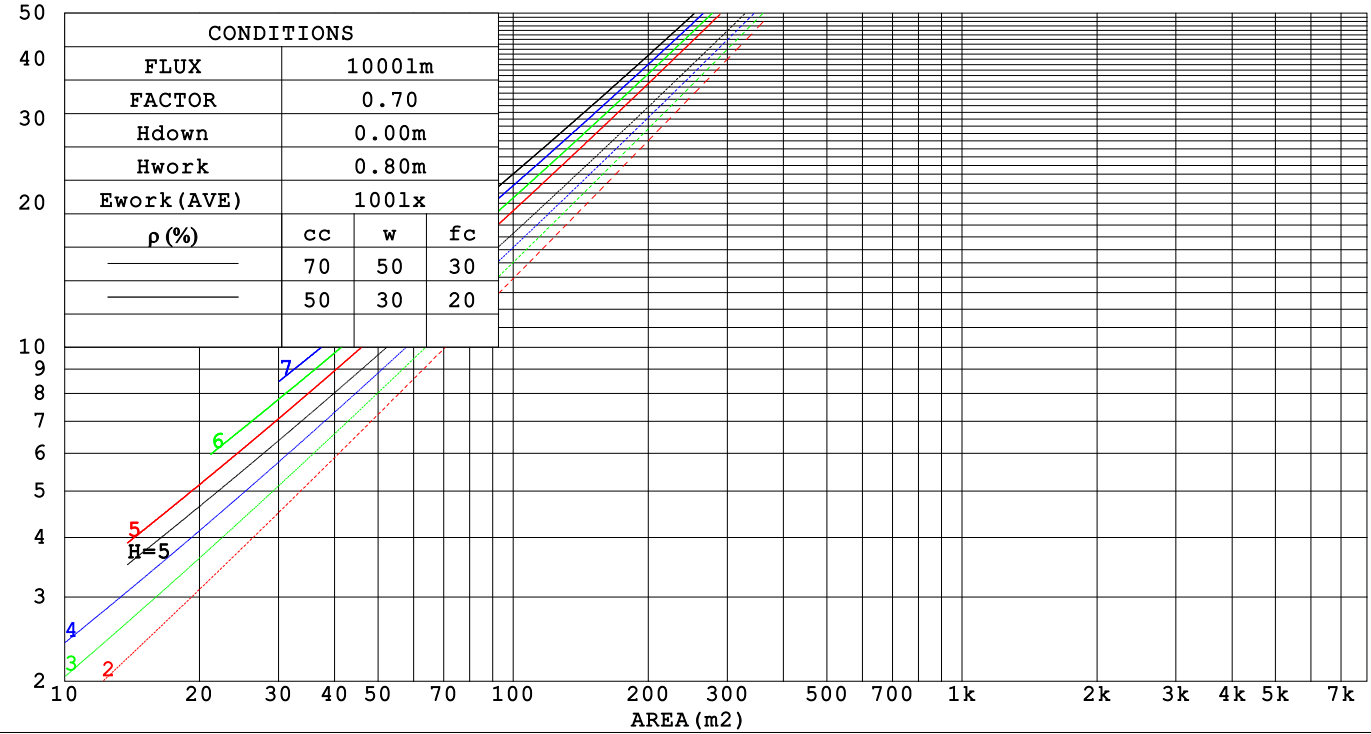
# CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---|---|
| Test:U:230.23V I:0.0504A P:5.1297W PF:0.4418 Freq:50.19Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:592.27x1 lm | | |
| LumCAT: 1-1890-A2 | Test NO: 20261030-C005 | Report NO: 20261030-B005 |
| LED HOLDER: 92.70.458.00 | DIM.: | Lamp No.: 1 |
| LampCAT: CITIZEN CLU703 | MFR.: NATA | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | Coefficients of Utilization(CU) | | | | | | | | | | | | |
| 0.0 | 1.07 | 1.07 | 1.07 | 1.04 | 1.04 | 1.04 | .00 | .00 | .00 | .95 | .95 | .95 | .92 | .92 | .92 | .90 |
| 1.0 | .00 | .98 | .96 | .98 | .96 | .94 | .94 | .93 | .92 | .91 | .90 | .89 | .88 | .87 | .86 | .85 |
| 2.0 | .94 | .90 | .87 | .92 | .89 | .86 | .89 | .87 | .84 | .86 | .84 | .83 | .84 | .82 | .81 | .80 |
| 3.0 | .88 | .84 | .80 | .87 | .83 | .80 | .84 | .81 | .78 | .82 | .79 | .77 | .80 | .78 | .76 | .75 |
| 4.0 | .83 | .78 | .75 | .82 | .77 | .74 | .80 | .76 | .73 | .78 | .75 | .72 | .76 | .74 | .72 | .70 |
| 5.0 | .78 | .73 | .70 | .77 | .73 | .69 | .76 | .72 | .69 | .74 | .71 | .68 | .73 | .70 | .68 | .66 |
| 6.0 | .74 | .69 | .65 | .73 | .68 | .65 | .72 | .68 | .65 | .71 | .67 | .64 | .69 | .66 | .64 | .63 |
| 7.0 | .70 | .65 | .62 | .69 | .65 | .61 | .68 | .64 | .61 | .67 | .64 | .61 | .66 | .63 | .60 | .59 |
| 8.0 | .67 | .62 | .58 | .66 | .61 | .58 | .65 | .61 | .58 | .64 | .60 | .58 | .63 | .60 | .57 | .56 |
| 9.0 | .63 | .59 | .55 | .63 | .58 | .55 | .62 | .58 | .55 | .61 | .58 | .55 | .61 | .57 | .55 | .54 |
| 10.0 | .61 | .56 | .53 | .60 | .56 | .53 | .59 | .55 | .52 | .59 | .55 | .52 | .58 | .55 | .52 | .51 |

LAMPS

LUMINAIRE BUDGETARY DIAGRAM




C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

## WEC AND CCEC

| | | |
|---|---|---|
| Test:U:230.23V I:0.0504A P:5.1297W PF:0.4418 Freq:50.19Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:592.27x1 lm | | |
| LumCAT: 1-1890-A2 | Test NO: 20261030-C005 | Report NO: 20261030-B005 |
| LED HOLDER: 92.70.458.00 | DIM.: | Lamp No.: 1 |
| LampCAT: CITIZEN CLU703 | MFR.: NATA | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coeffcients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .150 | .086 | .027 | .144 | .082 | .026 | .133 | .076 | .024 | .123 | .071 | .023 | .113 | .066 | .021 | |
| 2.0 | .143 | .079 | .024 | .138 | .076 | .023 | .129 | .072 | .022 | .120 | .067 | .021 | .112 | .063 | .020 | |
| 3.0 | .136 | .072 | .022 | .132 | .071 | .021 | .124 | .067 | .020 | .116 | .064 | .020 | .110 | .061 | .019 | |
| 4.0 | .129 | .067 | .020 | .126 | .066 | .019 | .119 | .063 | .019 | .112 | .060 | .018 | .106 | .058 | .018 | |
| 5.0 | .123 | .063 | .018 | .120 | .062 | .018 | .114 | .059 | .017 | .108 | .057 | .017 | .103 | .055 | .017 | |
| 6.0 | .117 | .059 | .017 | .115 | .058 | .017 | .109 | .056 | .016 | .104 | .054 | .016 | .100 | .053 | .016 | |
| 7.0 | .112 | .055 | .016 | .110 | .055 | .016 | .105 | .053 | .015 | .101 | .052 | .015 | .097 | .050 | .015 | |
| 8.0 | .107 | .052 | .015 | .105 | .052 | .015 | .101 | .050 | .014 | .097 | .049 | .014 | .093 | .048 | .014 | |
| 9.0 | .102 | .050 | .014 | .101 | .049 | .014 | .097 | .048 | .014 | .093 | .047 | .013 | .090 | .046 | .013 | |
| 10.0 | .098 | .047 | .013 | .096 | .047 | .013 | .093 | .046 | .013 | .090 | .045 | .013 | .087 | .044 | .013 | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .171 | .171 | .171 | .146 | .146 | .146 | .100 | .100 | .100 | .057 | .057 | .057 | .018 | .018 | .018 | |
| 1.0 | .153 | .141 | .131 | .131 | .121 | .113 | .090 | .083 | .078 | .052 | .048 | .045 | .017 | .016 | .015 | |
| 2.0 | .139 | .119 | .102 | .119 | .102 | .088 | .081 | .071 | .062 | .047 | .041 | .036 | .015 | .013 | .012 | |
| 3.0 | .127 | .102 | .082 | .109 | .088 | .071 | .075 | .061 | .050 | .043 | .036 | .029 | .014 | .012 | .010 | |
| 4.0 | .118 | .089 | .066 | .101 | .077 | .058 | .069 | .053 | .041 | .040 | .031 | .024 | .013 | .010 | .008 | |
| 5.0 | .109 | .078 | .055 | .094 | .067 | .048 | .065 | .047 | .034 | .037 | .028 | .020 | .012 | .009 | .007 | |
| 6.0 | .102 | .070 | .046 | .088 | .060 | .040 | .061 | .042 | .028 | .035 | .025 | .017 | .011 | .008 | .006 | |
| 7.0 | .096 | .063 | .039 | .083 | .054 | .034 | .057 | .038 | .024 | .033 | .022 | .014 | .011 | .007 | .005 | |
| 8.0 | .091 | .057 | .033 | .078 | .049 | .029 | .054 | .035 | .021 | .032 | .020 | .012 | .010 | .007 | .004 | |
| 9.0 | .086 | .052 | .029 | .074 | .045 | .025 | .052 | .032 | .018 | .030 | .019 | .011 | .010 | .006 | .004 | |
| 10.0 | .082 | .048 | .025 | .071 | .042 | .022 | .049 | .029 | .016 | .029 | .017 | .009 | .009 | .006 | .003 | |

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

# UGR(Unified Glare Rating) Table

| | | |
|---|---|---|
| Test:U:230.23V I:0.0504A P:5.1297W PF:0.4418 Freq:50.19Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:592.27x1 lm | | |
| LumCAT: 1-1890-A2 | Test NO: 20261030-C005 | Report NO: 20261030-B005 |
| LED HOLDER: 92.70.458.00 | DIM.: | Lamp No.: 1 |
| LampCAT: CITIZEN CLU703 | MFR.: NATA | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 23.7 | 24.6 | 24.0 | 24.8 | 24.9 | 23.3 | 24.2 | 23.6 | 24.4 | 24.5 |
| 3H | 23.6 | 24.4 | 23.8 | 24.6 | 24.8 | 23.2 | 24.0 | 23.4 | 24.2 | 24.4 |
| 4H | 23.5 | 24.3 | 23.8 | 24.5 | 24.7 | 23.1 | 23.9 | 23.4 | 24.1 | 24.3 |
| 6H | 23.4 | 24.1 | 23.7 | 24.4 | 24.6 | 23.0 | 23.7 | 23.3 | 24.0 | 24.2 |
| 8H | 23.4 | 24.1 | 23.7 | 24.3 | 24.6 | 23.0 | 23.7 | 23.3 | 23.9 | 24.2 |
| 12H | 23.3 | 24.0 | 23.6 | 24.2 | 24.5 | 22.9 | 23.6 | 23.2 | 23.9 | 24.1 |
| 4H 2H | 23.5 | 24.3 | 23.8 | 24.5 | 24.7 | 23.1 | 23.9 | 23.4 | 24.1 | 24.3 |
| 3H | 23.3 | 24.0 | 23.6 | 24.2 | 24.5 | 22.9 | 23.6 | 23.2 | 23.8 | 24.1 |
| 4H | 23.2 | 23.8 | 23.6 | 24.1 | 24.4 | 22.8 | 23.4 | 23.2 | 23.7 | 24.0 |
| 6H | 23.1 | 23.7 | 23.5 | 24.0 | 24.3 | 22.7 | 23.3 | 23.1 | 23.6 | 23.9 |
| 8H | 23.1 | 23.6 | 23.5 | 23.9 | 24.3 | 22.7 | 23.2 | 23.1 | 23.5 | 23.9 |
| 12H | 23.0 | 23.5 | 23.4 | 23.9 | 24.2 | 22.6 | 23.1 | 23.1 | 23.5 | 23.9 |
| 8H 4H | 23.1 | 23.6 | 23.5 | 23.9 | 24.3 | 22.7 | 23.2 | 23.1 | 23.5 | 23.9 |
| 6H | 23.0 | 23.4 | 23.4 | 23.8 | 24.2 | 22.6 | 23.0 | 23.0 | 23.4 | 23.8 |
| 8H | 22.9 | 23.3 | 23.4 | 23.7 | 24.1 | 22.5 | 22.9 | 23.0 | 23.3 | 23.7 |
| 12H | 22.9 | 23.2 | 23.3 | 23.6 | 24.1 | 22.5 | 22.8 | 23.0 | 23.2 | 23.7 |
| 12H 4H | 23.0 | 23.5 | 23.4 | 23.8 | 24.2 | 22.6 | 23.1 | 23.0 | 23.4 | 23.8 |
| 6H | 22.9 | 23.3 | 23.4 | 23.7 | 24.1 | 22.5 | 22.9 | 23.0 | 23.3 | 23.7 |
| 8H | 22.9 | 23.2 | 23.3 | 23.6 | 24.1 | 22.5 | 22.8 | 22.9 | 23.2 | 23.7 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 2.8 / -14.9 | | | | | + 2.8 / -16.2 | | | | |
| 1.5H | + 5.3 / -14.4 | | | | | + 5.5 / -14.6 | | | | |
| 2.0H | + 7.7 / - 8.9 | | | | | + 6.2 / - 5.6 | | | | |

CIE Pub.117, 592.3 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.8)
Area: 0.0038 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

# UTILIZATION FACTORS TABLE

| | | |
|---|---|---|
| Test:U:230.23V I:0.0504A P:5.1297W PF:0.4418 Freq:50.19Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:592.27x1 lm | | |
| LumCAT: 1-1890-A2 | Test NO: 20261030-C005 | Report NO: 20261030-B005 |
| LED HOLDER: 92.70.458.00 | DIM.: | Lamp No.: 1 |
| LampCAT: CITIZEN CLU703 | MFR.: NATA | |

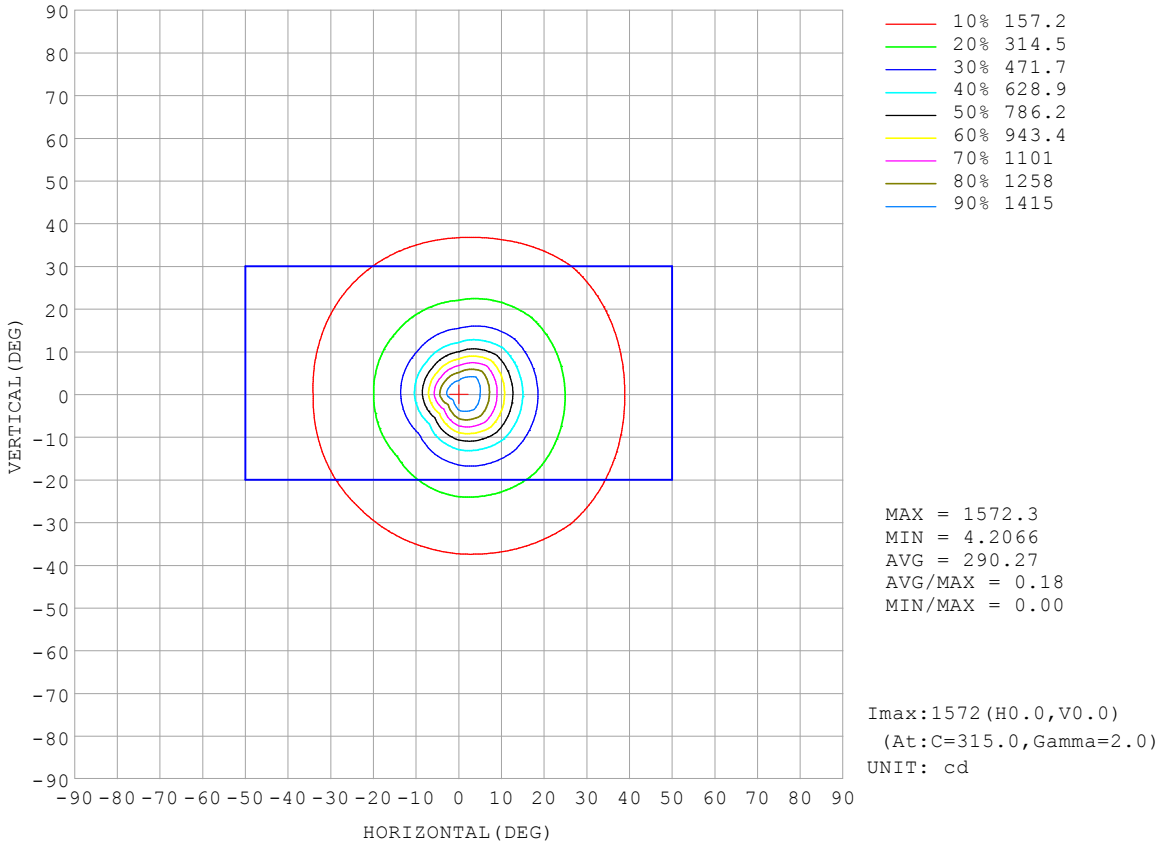
| REFLECTANCE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 79 | 73 | 70 | 78 | 73 | 69 | 77 | 72 | 69 | 66 |
| 0.80 | 85 | 80 | 77 | 85 | 80 | 77 | 84 | 79 | 76 | 73 |
| 1.00 | 89 | 84 | 81 | 89 | 84 | 81 | 87 | 84 | 80 | 77 |
| 1.25 | 93 | 88 | 85 | 92 | 88 | 85 | 90 | 87 | 84 | 81 |
| 1.50 | 95 | 91 | 88 | 94 | 90 | 88 | 92 | 89 | 87 | 83 |
| 2.00 | 98 | 94 | 91 | 96 | 93 | 90 | 94 | 91 | 89 | 85 |
| 2.50 | 99 | 96 | 93 | 98 | 95 | 92 | 95 | 93 | 91 | 85 |
| 3.00 | 100 | 97 | 95 | 99 | 96 | 94 | 96 | 94 | 92 | 86 |
| 4.00 | 102 | 100 | 98 | 100 | 98 | 97 | 97 | 96 | 94 | 88 |
| 5.00 | 103 | 101 | 100 | 101 | 100 | 98 | 98 | 97 | 96 | 89 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | | Suspended | | | | | SHRNOM = 1.25 | |

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

## ISOCANDELA DIAGRAM

| | | |
|---|---|---|
| Test:U:230.23V I:0.0504A P:5.1297W PF:0.4418 Freq:50.19Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:592.27x1 lm | | |
| LumCAT: 1-1890-A2 | Test NO: 20261030-C005 | Report NO: 20261030-B005 |
| LED HOLDER: 92.70.458.00 | DIM.: | Lamp No.: 1 |
| LampCAT: CITIZEN CLU703 | MFR.: NATA | |



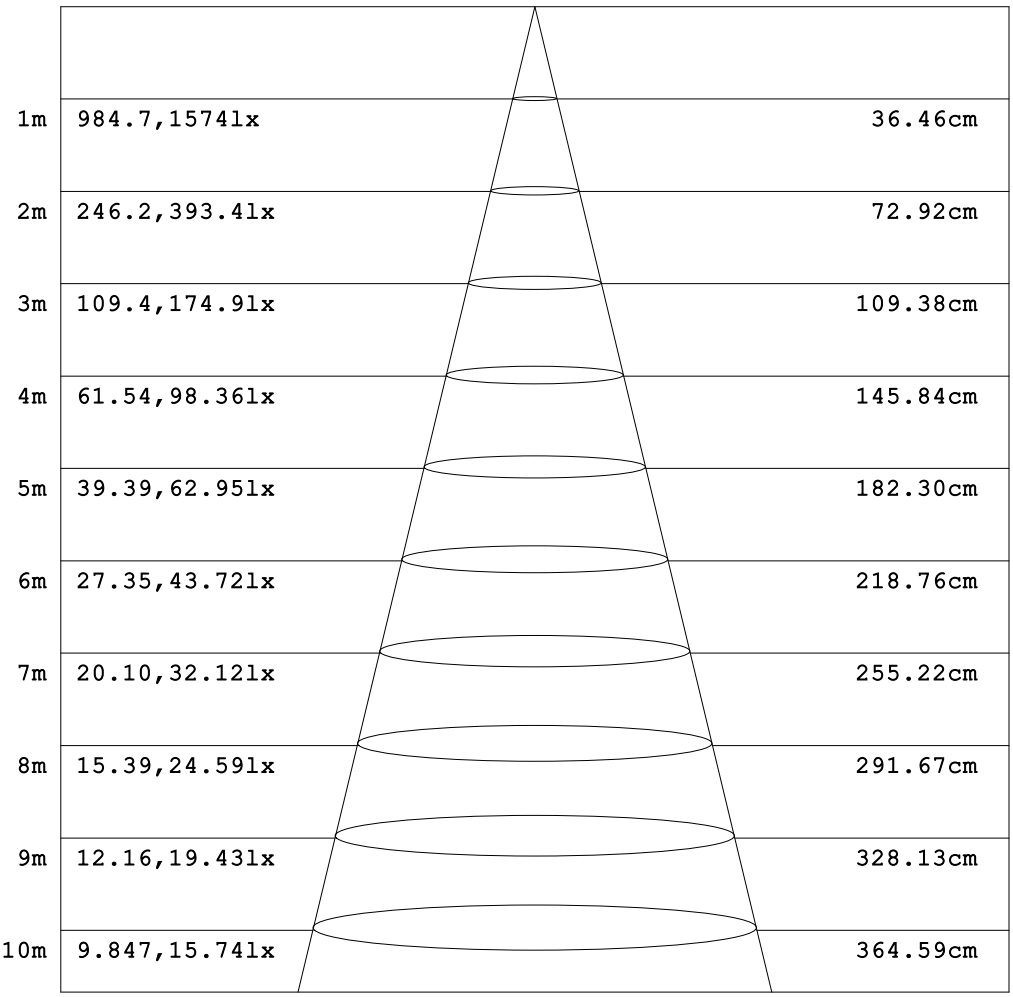

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

## AAI Figure

| | | |
|---|---|---|
| Test:U:230.23V I:0.0504A P:5.1297W PF:0.4418 Freq:50.19Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:592.27x1 lm | | |
| LumCAT: 1-1890-A2 | Test NO: 20261030-C005 | Report NO: 20261030-B005 |
| LED HOLDER: 92.70.458.00 | DIM.: | Lamp No.: 1 |
| LampCAT: CITIZEN CLU703 | MFR.: NATA | |

Flux out:139.8 lm



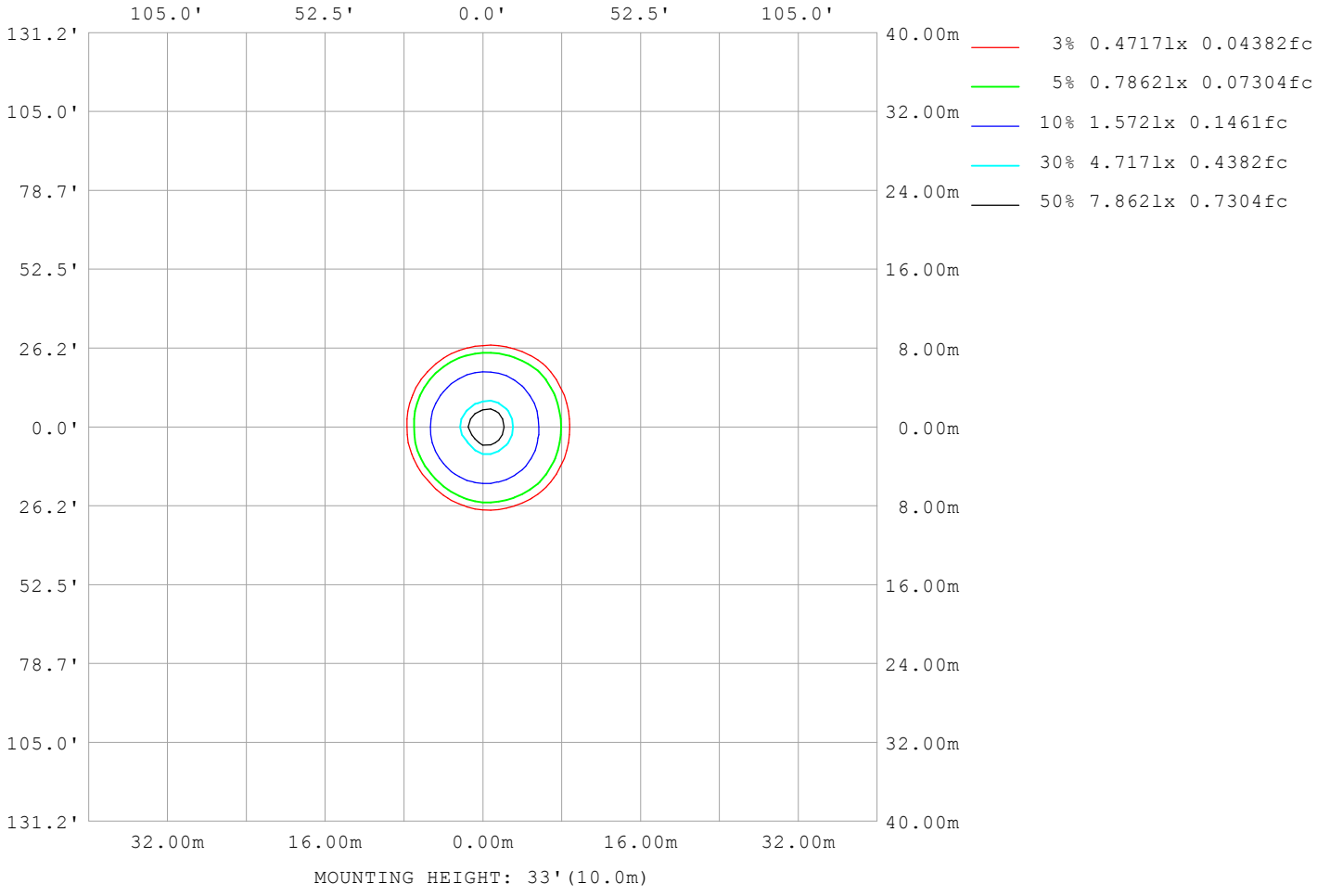

**Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.**

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

## ISOLUX DIAGRAM

| | | |
|---|---|---|
| Test:U:230.23V I:0.0504A P:5.1297W PF:0.4418 Freq:50.19Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:592.27x1 lm | | |
| LumCAT: 1-1890-A2 | Test NO: 20261030-C005 | Report NO: 20261030-B005 |
| LED HOLDER: 92.70.458.00 | DIM.: | Lamp No.: 1 |
| LampCAT: CITIZEN CLU703 | MFR.: NATA | |




C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

# LED Avg.L Report

| | | |
|---|---|---|
| Test:U:230.23V I:0.0504A P:5.1297W PF:0.4418 Freq:50.19Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:592.27x1 lm | | |
| LumCAT: 1-1890-A2 | Test NO: 20261030-C005 | Report NO: 20261030-B005 |
| LED HOLDER: 92.70.458.00 | DIM.: | Lamp No.: 1 |
| LampCAT: CITIZEN CLU703 | MFR.: NATA | |

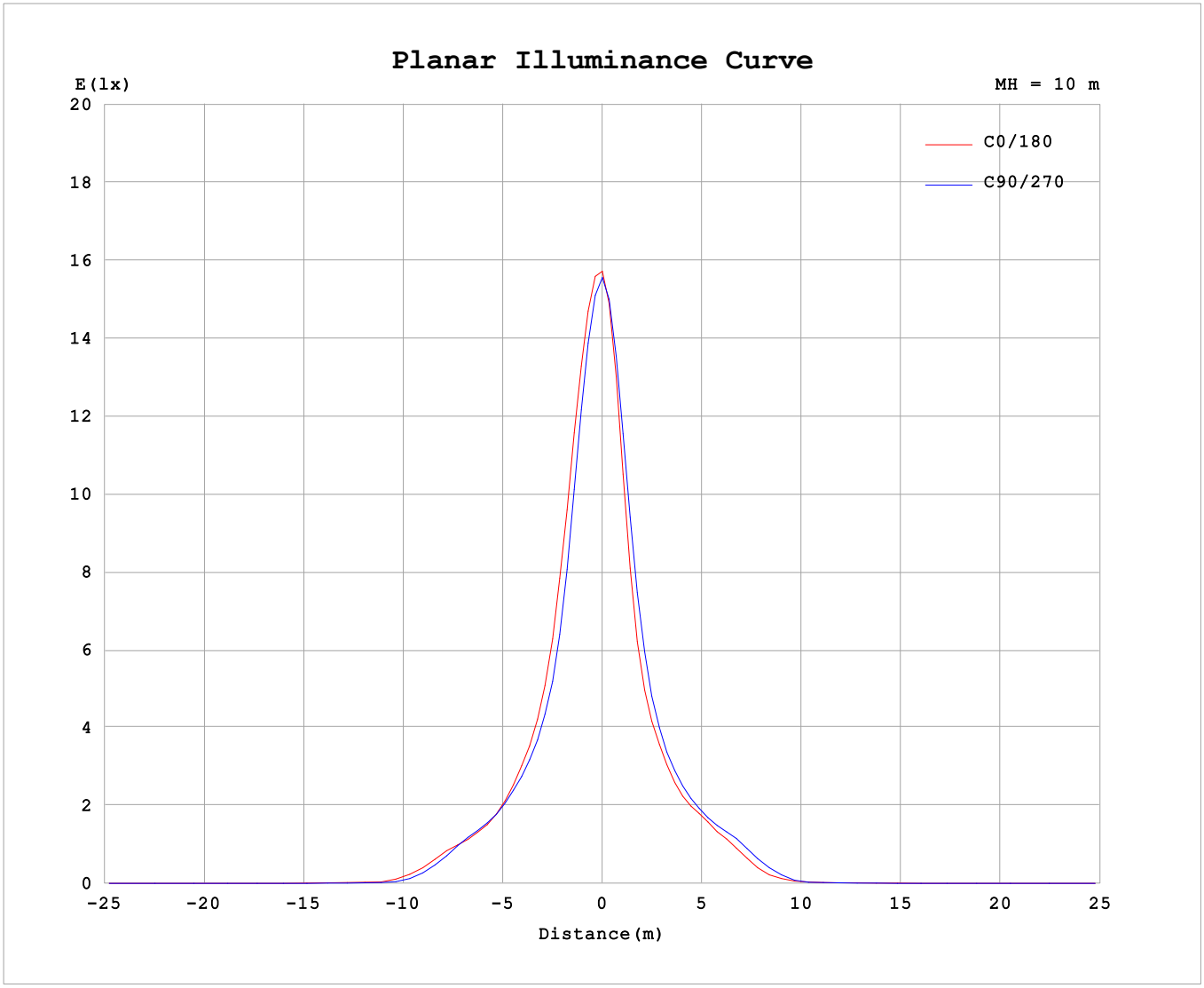
| AvgL | cd/m2 |
|---|---|
| L_0~180(65)av | 782 |
| L_0~180(75)av | 661 |
| L_0~180(85)av | 550 |
| L_90~270(65)av | 548 |
| L_90~270(75)av | 586 |
| L_90~270(85)av | 879 |
| L_45(65)av | 688 |
| L_45(75)av | 534 |
| L_45(85)av | 765 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

## Planar Illuminance Curve




C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---|---|
| Test:U:230.23V I:0.0504A P:5.1297W PF:0.4418 Freq:50.19Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:592.27x1 lm | | |
| LumCAT: 1-1890-A2 | Test NO: 20261030-C005 | Report NO: 20261030-B005 |
| LED HOLDER: 92.70.458.00 | DIM.: | Lamp No.: 1 |
| LampCAT: CITIZEN CLU703 | MFR.: NATA | |

Table--1 UNIT: cd

| γ (DEG) \ C(DEG) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
|---|---|---|---|---|---|---|---|---|
| 0 | 1559 | 1559 | 1559 | 1559 | 1559 | 1559 | 1559 | 1559 |
| 5 | 1340 | 1342 | 1239 | 998 | 1060 | 1067 | 1177 | 1419 |
| 10 | 997 | 999 | 846 | 620 | 645 | 665 | 783 | 1052 |
| 15 | 567 | 559 | 490 | 397 | 399 | 405 | 452 | 576 |
| 20 | 422 | 420 | 384 | 324 | 310 | 320 | 350 | 422 |
| 25 | 290 | 302 | 286 | 258 | 246 | 247 | 266 | 295 |
| 30 | 231 | 249 | 240 | 227 | 204 | 215 | 231 | 243 |
| 35 | 185 | 202 | 183 | 134 | 122 | 144 | 171 | 199 |
| 40 | 138 | 143 | 106 | 57.2 | 49.7 | 68.6 | 89.9 | 145 |
| 45 | 33.0 | 30.3 | 13.1 | 8.85 | 11.3 | 8.97 | 9.48 | 31.5 |
| 50 | 12.0 | 9.19 | 7.47 | 5.68 | 8.01 | 6.56 | 6.13 | 10.09 |
| 55 | 5.06 | 2.60 | 1.99 | 2.47 | 4.82 | 3.65 | 1.96 | 5.91 |
| 60 | 3.21 | 1.47 | 1.14 | 1.65 | 3.04 | 2.80 | 1.54 | 3.06 |
| 65 | 1.11 | 0.64 | 0.83 | 1.05 | 1.10 | 0.81 | 0.83 | 1.26 |
| 70 | 0.79 | 0.54 | 0.73 | 1.00 | 0.92 | 0.57 | 0.66 | 0.62 |
| 75 | 0.57 | 0.45 | 0.61 | 0.79 | 0.64 | 0.37 | 0.49 | 0.37 |
| 80 | 0.40 | 0.33 | 0.46 | 0.64 | 0.44 | 0.27 | 0.38 | 0.28 |
| 85 | 0.16 | 0.18 | 0.32 | 0.40 | 0.14 | 0.14 | 0.21 | 0.20 |
| 90 | 0.05 | 0.01 | 0.00 | 0.25 | 0.08 | 0.01 | 0.00 | 0.05 |

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.0℃
Operators:ZJW
Test Date:2026-10-30

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks: