

### Luminaire Photograph



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 76.8%   |                          |
| Luminaire Power:    | 8.239 W |                          |
| SHR Nominal:        | 0.75    | Calculated using the TM5 |
| SHR Maximum:        | 0.85    | fine grid method.        |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-8-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: CXB1304-0000-000F0UA430G Ra:90  
LENS: PM-1084C 50R  
DRIVER: 9290 028 088 350mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

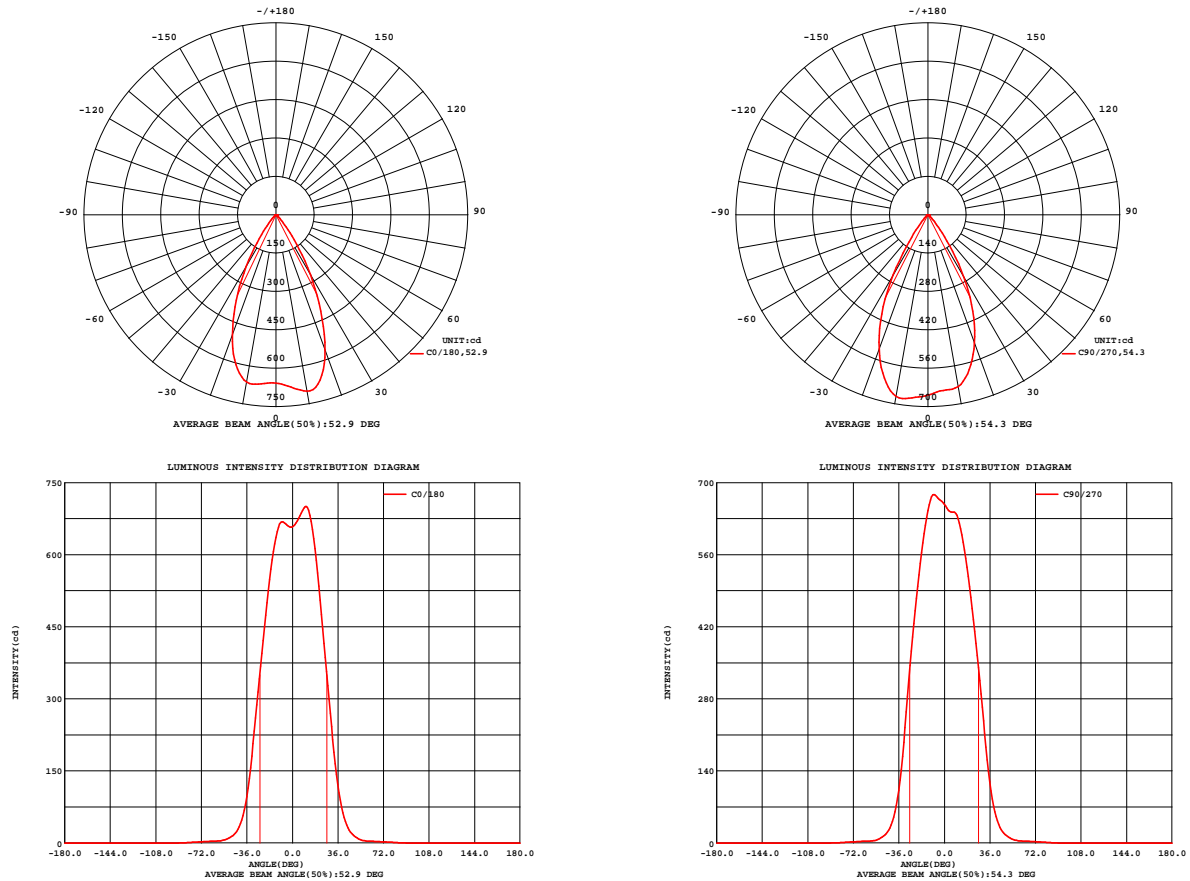


Fig. C0/C180

Fig. C90/C270

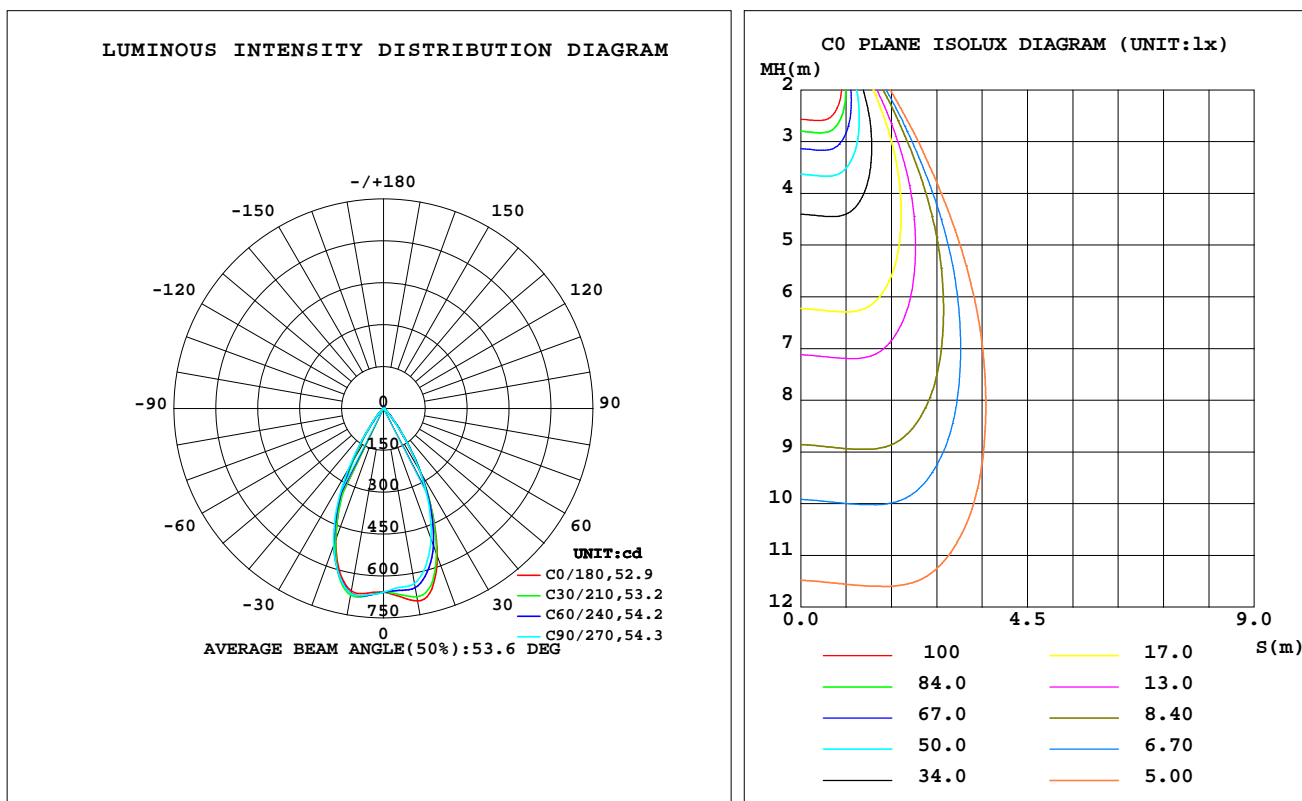
C Range: 0 - 360DEG  
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30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:220.17V I:0.0396A P:8.2388W PF:0.9407 Freq:49.99Hz<br>Lamp Flux:685.66x1 lm |                     |                        |
| NAME: 2214.412-1-ACOT-96   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2308111006 |
| MFR.: RISE   | SUR.: 0.000854865m2 | Shielding Angle:       |

| DATA OF LAMP     |        | PHOTOMETRIC DATA      |        |                   |          | Eff: 63.91 lm/W |
|------------------|--------|-----------------------|--------|-------------------|----------|-----------------|
| MODEL            | CREE   | I <sub>max</sub> (cd) | 700.5  | S/MH(C0/180)      | 0.80     |                 |
| NOMINAL POWER(W) | 8      | LOR(%)                | 76.8   | S/MH(C90/270)     | 0.82     |                 |
| RATED VOLTAGE(V) | 220    | TOTAL FLUX(lm)        | 526.54 | η UP,DN(C0-180)   | 0.0,38.8 |                 |
| NOMINAL FLUX(lm) | 685.66 | CIE CLASS             | DIRECT | η UP,DN(C180-360) | 0.0,38.0 |                 |
| LAMPS INSIDE     | 1      | η up(%)               | 0.0    | CIBSE SHR NOM     | 0.75     |                 |
| TEST VOLTAGE(V)  | 220    | η down(%)             | 76.8   | CIBSE SHR MAX     | 0.85     |                 |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-8-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CXB1304-0000-000F0UA430G Ra:90  
LENS: PM-1084C 50R  
DRIVER: 9290 028 088 350mA  
30minutes warm-up

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------|
| 10       | 699.4                 | 667.5 | 636.5 | 628.0 | 663.8 | 675.0 | 672.6 | 685.7 | 0- 10    | 63.46       | 63.46        | 12.1,9.26 |
| 20       | 562.1                 | 538.4 | 497.8 | 485.7 | 499.9 | 510.7 | 520.8 | 544.1 | 10- 20   | 170.4       | 233.9        | 44.4,34.1 |
| 30       | 270.0                 | 271.1 | 263.6 | 244.2 | 233.1 | 231.5 | 254.4 | 266.3 | 20- 30   | 176.8       | 410.7        | 78,59.9   |
| 40       | 63.20                 | 64.29 | 60.62 | 54.59 | 47.83 | 45.69 | 50.35 | 56.96 | 30- 40   | 84.15       | 494.9        | 94,72.2   |
| 50       | 12.58                 | 13.24 | 12.71 | 11.57 | 10.33 | 9.940 | 10.03 | 10.96 | 40- 50   | 20.31       | 515.2        | 97.8,75.1 |
| 60       | 3.798                 | 3.907 | 3.987 | 4.014 | 3.863 | 3.705 | 3.605 | 3.690 | 50- 60   | 5.611       | 520.8        | 98.9,76   |
| 70       | 2.650                 | 2.719 | 2.786 | 2.801 | 2.668 | 2.525 | 2.477 | 2.558 | 60- 70   | 3.235       | 524.0        | 99.5,76.4 |
| 80       | 1.192                 | 1.312 | 1.341 | 1.326 | 1.189 | 1.107 | 1.009 | 1.123 | 70- 80   | 2.036       | 526.1        | 99.9,76.7 |
| 90       | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 80- 90   | 0.4735      | 526.5        | 100,76.8  |
| 100      | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 90-100   | 0           | 526.5        | 100,76.8  |
| 110      | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 100-110  | 0           | 526.5        | 100,76.8  |
| 120      | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 110-120  | 0           | 526.5        | 100,76.8  |
| 130      | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 120-130  | 0           | 526.5        | 100,76.8  |
| 140      | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 130-140  | 0           | 526.5        | 100,76.8  |
| 150      | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 140-150  | 0           | 526.5        | 100,76.8  |
| 160      | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 150-160  | 0           | 526.5        | 100,76.8  |
| 170      | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 160-170  | 0           | 526.5        | 100,76.8  |
| 180      | 0                     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 170-180  | 0           | 526.5        | 100,76.8  |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |           |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
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Temperature:25.3℃  
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Test Date:2023-8-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CXB1304-0000-000F0UA430G Ra:90  
LENS: PM-1084C 50R  
DRIVER: 9290 028 088 350mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:220.17V I:0.0396A P:8.2388W PF:0.9407 Freq:49.99Hz  
Lamp Flux:685.66x1 lm

NAME: 2214.412-1-ACOT-96

TYPE:

WEIGHT:

SPEC.: 3000K

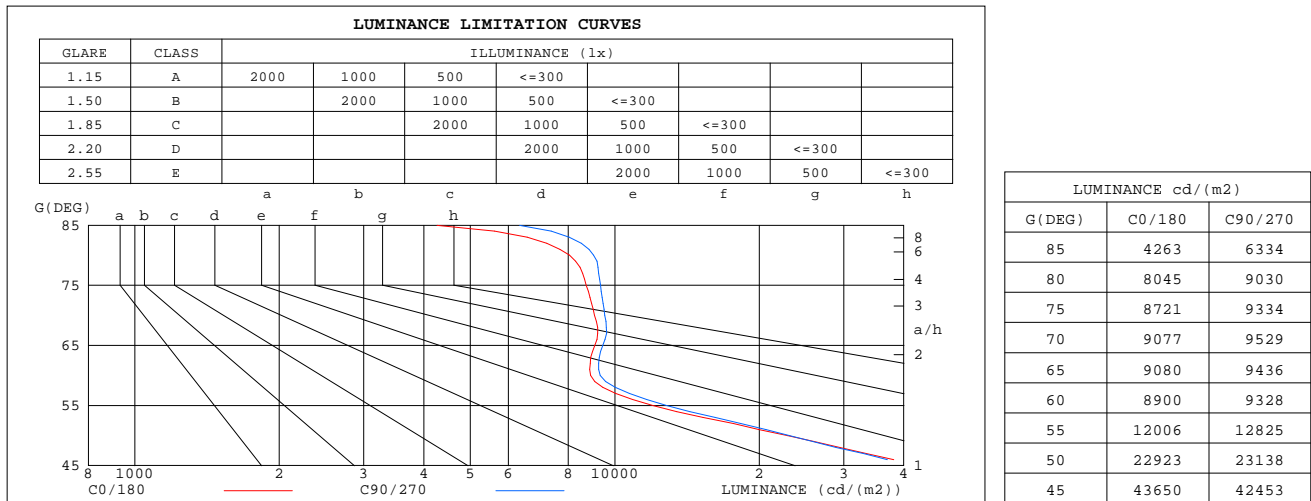
DIM.:

SERIAL No.: 2308111006

MFR.: RISE

SUR.: 0.000854865m2

Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-8-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
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Remarks: LAMP:CXB1304-0000-000F0UA430G Ra:90  
LENS: PM-1084C 50R  
DRIVER: 9290 028 088 350mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.17V I:0.0396A P:8.2388W PF:0.9407 Freq:49.99Hz  
Lamp Flux:685.66x1 lm

NAME: 2214.412-1-ACOT-96

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

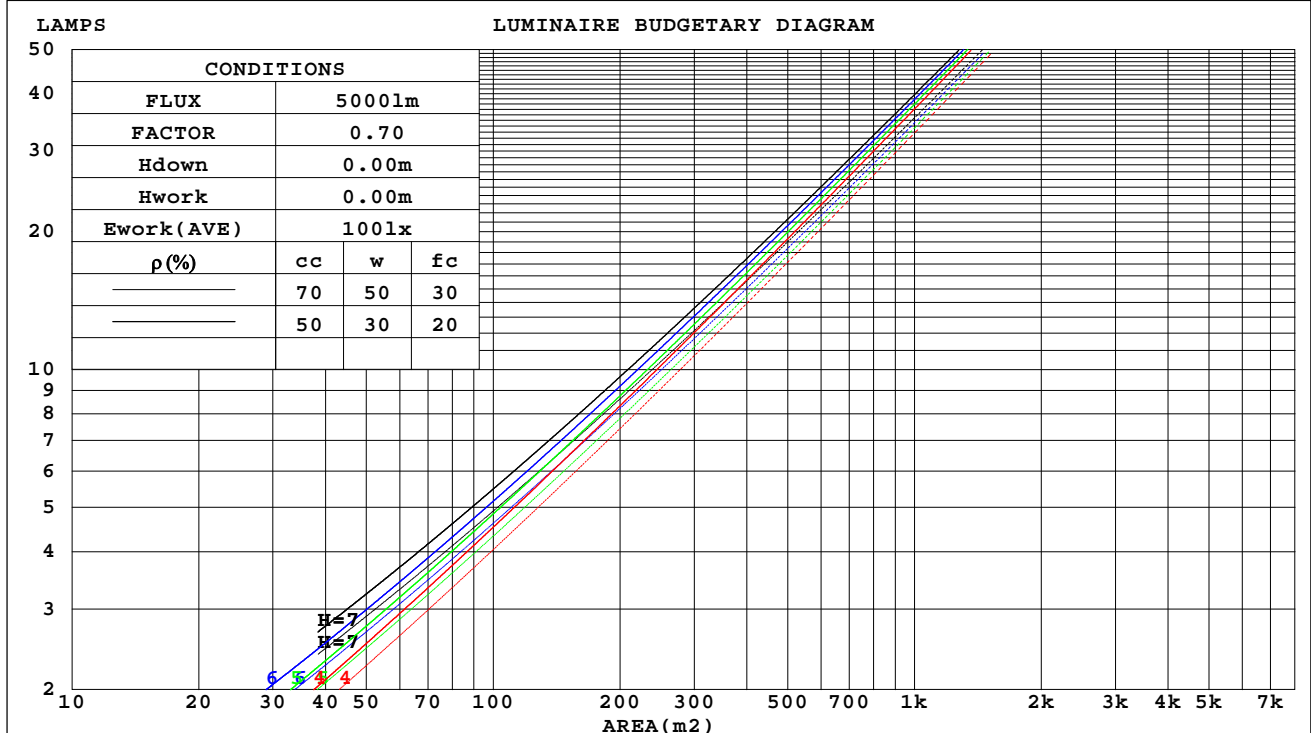
SERIAL No.: 2308111006

MFR.: RISE

SUR.: 0.000854865m2

Shielding Angle:

| $\rho_{cc}$ | 80%                   |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0 |
|-------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| $\rho_w$    | 50%                   | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| $\rho_{fc}$ | 20%                   |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0 |
| RCR         | RCR:Room Cavity Ratio |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
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Test Date:2023-8-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CXB1304-0000-000F0UA430G Ra:90  
LENS: PM-1084C 50R  
DRIVER: 9290 028 088 350mA  
30minutes warm-up

### WEC AND CCEC

|  |                     |                        |
|--|---------------------|------------------------|
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| NAME: 2214.412-1-ACOT-96   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2308111006 |
| MFR.: RISE   | SUR.: 0.000854865m2 | Shielding Angle:       |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .134                  | .076 | .024 | .129 | .073 | .023 | .119                            | .068 | .022 | .110 | .063 | .020 | .102 | .059 | .019 |   |
| 2.0  | .127                  | .070 | .021 | .123 | .068 | .021 | .115                            | .064 | .020 | .107 | .060 | .019 | .100 | .057 | .018 |   |
| 3.0  | .121                  | .064 | .019 | .117 | .063 | .019 | .110                            | .060 | .018 | .104 | .057 | .017 | .098 | .054 | .017 |   |
| 4.0  | .115                  | .060 | .018 | .111 | .058 | .017 | .106                            | .056 | .017 | .100 | .054 | .016 | .095 | .052 | .016 |   |
| 5.0  | .109                  | .056 | .016 | .106 | .055 | .016 | .101                            | .053 | .016 | .096 | .051 | .015 | .092 | .049 | .015 |   |
| 6.0  | .104                  | .052 | .015 | .102 | .051 | .015 | .097                            | .050 | .014 | .093 | .048 | .014 | .089 | .047 | .014 |   |
| 7.0  | .099                  | .049 | .014 | .097 | .048 | .014 | .093                            | .047 | .014 | .089 | .046 | .013 | .086 | .045 | .013 |   |
| 8.0  | .095                  | .046 | .013 | .093 | .046 | .013 | .090                            | .045 | .013 | .086 | .044 | .013 | .083 | .043 | .012 |   |
| 9.0  | .091                  | .044 | .012 | .089 | .044 | .012 | .086                            | .043 | .012 | .083 | .042 | .012 | .080 | .041 | .012 |   |
| 10.0 | .088                  | .042 | .012 | .086 | .042 | .012 | .083                            | .041 | .011 | .080 | .040 | .011 | .078 | .039 | .011 |   |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  | .146                  | .146 | .146 | .125 | .125 | .125 | .085                                       | .085 | .085 | .049 | .049 | .049 | .016 | .016 | .016 |   |  |
| 1.0  | .131                  | .121 | .111 | .112 | .104 | .096 | .077                                       | .071 | .066 | .044 | .041 | .039 | .014 | .013 | .012 |   |  |
| 2.0  | .119                  | .102 | .087 | .102 | .088 | .075 | .070                                       | .061 | .052 | .040 | .035 | .031 | .013 | .011 | .010 |   |  |
| 3.0  | .110                  | .087 | .069 | .094 | .075 | .060 | .065                                       | .052 | .042 | .037 | .031 | .025 | .012 | .010 | .008 |   |  |
| 4.0  | .102                  | .076 | .056 | .087 | .066 | .049 | .060                                       | .046 | .034 | .035 | .027 | .020 | .011 | .009 | .007 |   |  |
| 5.0  | .095                  | .067 | .046 | .081 | .058 | .040 | .056                                       | .040 | .028 | .032 | .024 | .017 | .010 | .008 | .006 |   |  |
| 6.0  | .089                  | .060 | .039 | .076 | .052 | .034 | .053                                       | .036 | .024 | .031 | .021 | .014 | .010 | .007 | .005 |   |  |
| 7.0  | .084                  | .054 | .033 | .072 | .047 | .029 | .050                                       | .033 | .020 | .029 | .019 | .012 | .009 | .006 | .004 |   |  |
| 8.0  | .079                  | .049 | .028 | .068 | .043 | .024 | .047                                       | .030 | .017 | .028 | .018 | .010 | .009 | .006 | .003 |   |  |
| 9.0  | .076                  | .045 | .024 | .065 | .039 | .021 | .045                                       | .027 | .015 | .026 | .016 | .009 | .009 | .005 | .003 |   |  |
| 10.0 | .072                  | .042 | .021 | .062 | .036 | .019 | .043                                       | .025 | .013 | .025 | .015 | .008 | .008 | .005 | .003 |   |  |

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30minutes warm-up

## UGR(Unified Glare Rating) Table

|  |                  |      |      |      |                     |                |      |                        |      |      |
|--|------------------|------|------|------|---------------------|----------------|------|------------------------|------|------|
| Test:U:220.17V I:0.0396A P:8.2388W PF:0.9407 Freq:49.99Hz<br>Lamp Flux:685.66x1 lm |                  |      |      |      |                     |                |      |                        |      |      |
| NAME: 2214.412-1-ACOT-96   |                  |      |      |      | TYPE:               |                |      | WEIGHT:                |      |      |
| SPEC.: 3000K   |                  |      |      |      | DIM.:               |                |      | SERIAL No.: 2308111006 |      |      |
| MFR.: RISE   |                  |      |      |      | SUR.: 0.000854865m2 |                |      | Shielding Angle:       |      |      |
| 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  | 23.0             | 23.9 | 23.2 | 24.1 | 24.2                | 22.9           | 23.8 | 23.1                   | 23.9 | 24.1 |
| 3H   | 22.9             | 23.8 | 23.2 | 24.0 | 24.2                | 22.8           | 23.6 | 23.0                   | 23.8 | 24.0 |
| 4H   | 22.9             | 23.7 | 23.2 | 23.9 | 24.1                | 22.8           | 23.6 | 23.0                   | 23.8 | 24.0 |
| 6H   | 22.9             | 23.6 | 23.2 | 23.8 | 24.1                | 22.8           | 23.5 | 23.0                   | 23.7 | 24.0 |
| 8H   | 22.8             | 23.6 | 23.1 | 23.8 | 24.1                | 22.7           | 23.5 | 23.0                   | 23.7 | 24.0 |
| 12H  | 22.8             | 23.5 | 23.1 | 23.8 | 24.0                | 22.7           | 23.4 | 23.0                   | 23.7 | 23.9 |
| 4H 2H  | 22.8             | 23.6 | 23.1 | 23.8 | 24.0                | 22.6           | 23.4 | 22.9                   | 23.7 | 23.9 |
| 3H   | 22.8             | 23.4 | 23.1 | 23.7 | 24.0                | 22.6           | 23.3 | 22.9                   | 23.6 | 23.9 |
| 4H   | 22.8             | 23.4 | 23.1 | 23.7 | 24.0                | 22.6           | 23.3 | 23.0                   | 23.6 | 23.9 |
| 6H   | 22.8             | 23.3 | 23.1 | 23.6 | 24.0                | 22.7           | 23.2 | 23.0                   | 23.5 | 23.9 |
| 8H   | 22.7             | 23.2 | 23.1 | 23.6 | 24.0                | 22.7           | 23.2 | 23.0                   | 23.5 | 23.9 |
| 12H  | 22.7             | 23.2 | 23.1 | 23.5 | 23.9                | 22.6           | 23.1 | 23.0                   | 23.5 | 23.9 |
| 8H 4H  | 22.7             | 23.2 | 23.1 | 23.5 | 23.9                | 22.6           | 23.1 | 22.9                   | 23.4 | 23.8 |
| 6H   | 22.7             | 23.1 | 23.1 | 23.5 | 23.9                | 22.6           | 23.0 | 23.0                   | 23.4 | 23.8 |
| 8H   | 22.7             | 23.1 | 23.2 | 23.5 | 23.9                | 22.6           | 23.0 | 23.1                   | 23.4 | 23.9 |
| 12H  | 22.7             | 23.0 | 23.2 | 23.4 | 23.9                | 22.6           | 22.9 | 23.1                   | 23.4 | 23.9 |
| 12H 4H   | 22.6             | 23.1 | 23.0 | 23.5 | 23.8                | 22.5           | 23.0 | 22.9                   | 23.3 | 23.7 |
| 6H   | 22.7             | 23.0 | 23.1 | 23.5 | 23.9                | 22.6           | 22.9 | 23.0                   | 23.4 | 23.8 |
| 8H   | 22.7             | 23.0 | 23.1 | 23.4 | 23.9                | 22.6           | 22.9 | 23.1                   | 23.4 | 23.8 |
| Variations with the observer position at spacings(CIE Pub.117):                    |                  |      |      |      |                     |                |      |                        |      |      |
| S = 1.0H   | + 2.9 / - 5.1    |      |      |      |                     | + 2.9 / - 4.7  |      |                        |      |      |
| 1.5H   | + 5.0 / - 4.8    |      |      |      |                     | + 4.9 / - 4.5  |      |                        |      |      |
| 2.0H   | + 3.9 / - 2.0    |      |      |      |                     | + 3.7 / - 1.8  |      |                        |      |      |

CIE Pub.117, 685.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.3)  
Area: 0.000854865 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
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γ Range: 0 - 180DEG  
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Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CXB1304-0000-000F0UA430G Ra:90  
LENS: PM-1084C 50R  
DRIVER: 9290 028 088 350mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:220.17V I:0.0396A P:8.2388W PF:0.9407 Freq:49.99Hz<br>Lamp Flux:685.66x1 lm |                     |                        |
| NAME: 2214.412-1-ACOT-96   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2308111006 |
| MFR.: RISE   | SUR.: 0.000854865m2 | Shielding Angle:       |

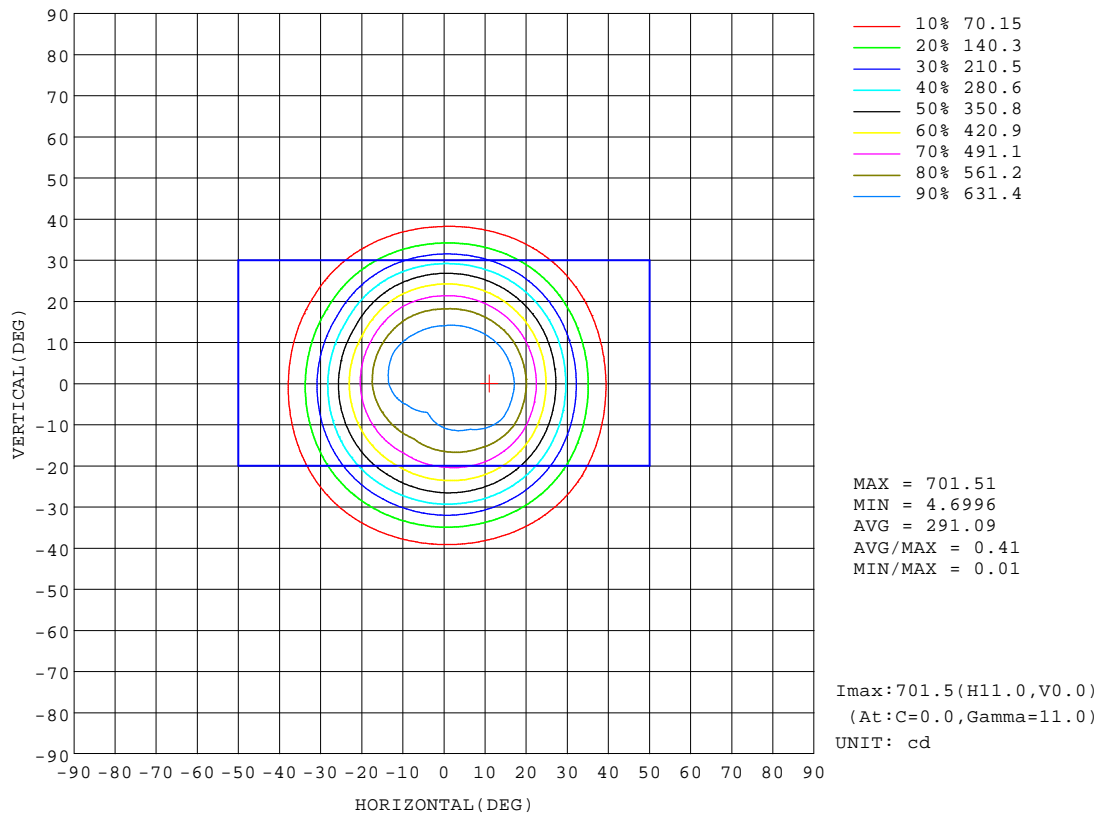
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| k = 0.60                         | 67  | 63  | 60        | 67  | 63  | 60  | 66  | 62            | 60  | 57     |
| 0.80                             | 73  | 69  | 66        | 73  | 68  | 66  | 72  | 68            | 65  | 63     |
| 1.00                             | 76  | 72  | 69        | 76  | 72  | 69  | 75  | 72            | 69  | 66     |
| 1.25                             | 79  | 75  | 73        | 79  | 75  | 73  | 77  | 74            | 72  | 69     |
| 1.50                             | 81  | 78  | 75        | 81  | 77  | 75  | 79  | 76            | 74  | 71     |
| 2.00                             | 83  | 80  | 78        | 82  | 79  | 77  | 80  | 78            | 76  | 72     |
| 2.50                             | 85  | 82  | 80        | 83  | 81  | 79  | 81  | 79            | 77  | 73     |
| 3.00                             | 86  | 83  | 81        | 85  | 82  | 80  | 82  | 80            | 79  | 74     |
| 4.00                             | 87  | 85  | 84        | 86  | 84  | 83  | 83  | 82            | 81  | 75     |
| 5.00                             | 88  | 87  | 85        | 87  | 85  | 84  | 84  | 83            | 82  | 76     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-8-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CXB1304-0000-000F0UA430G Ra:90  
LENS: PM-1084C 50R  
DRIVER: 9290 028 088 350mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:220.17V I:0.0396A P:8.2388W PF:0.9407 Freq:49.99Hz<br>Lamp Flux:685.66x1 lm |                     |                        |
| NAME: 2214.412-1-ACOT-96   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2308111006 |
| MFR.: RISE   | SUR.: 0.000854865m2 | Shielding Angle:       |

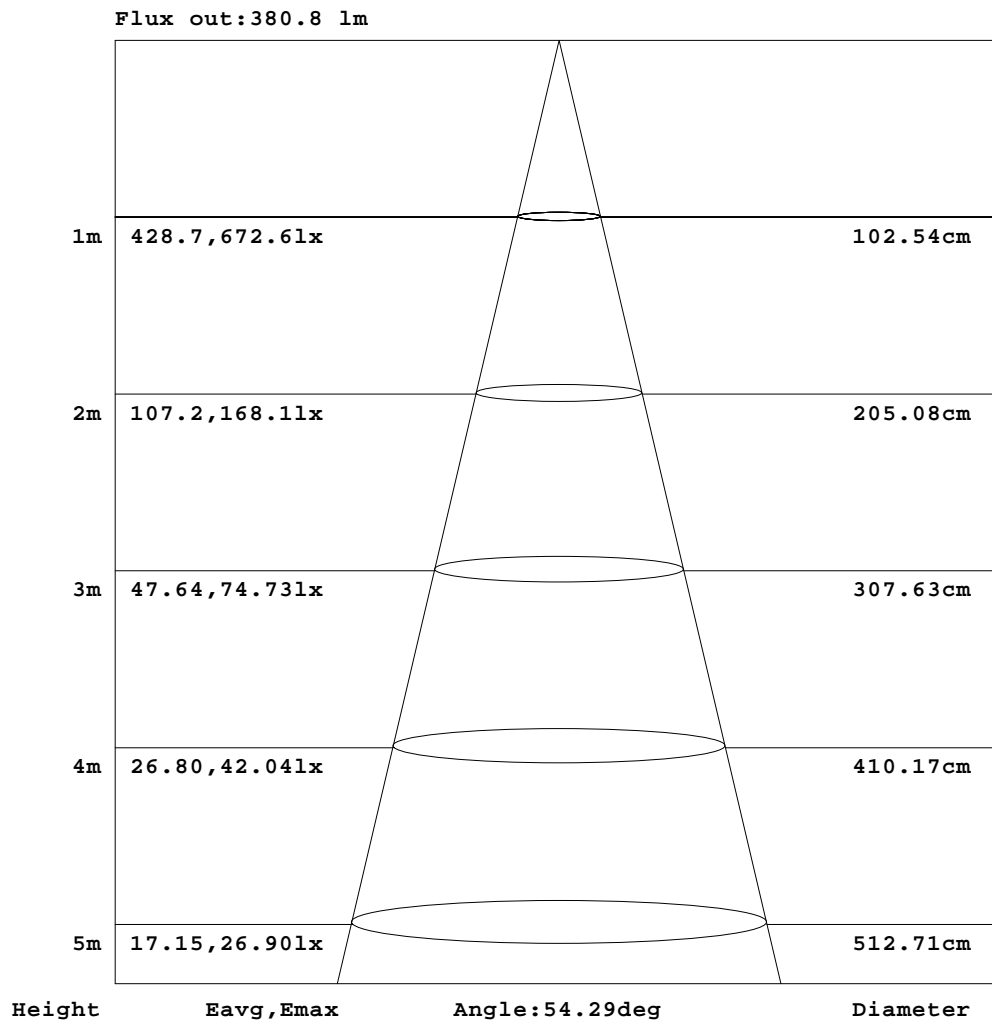


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-8-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CXB1304-0000-000F0UA430G Ra:90  
LENS: PM-1084C 50R  
DRIVER: 9290 028 088 350mA  
30minutes warm-up

## AAI Figure

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:220.17V I:0.0396A P:8.2388W PF:0.9407 Freq:49.99Hz<br>Lamp Flux:685.66x1 lm |                     |                        |
| NAME: 2214.412-1-ACOT-96   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2308111006 |
| MFR.: RISE   | SUR.: 0.000854865m2 | Shielding Angle:       |



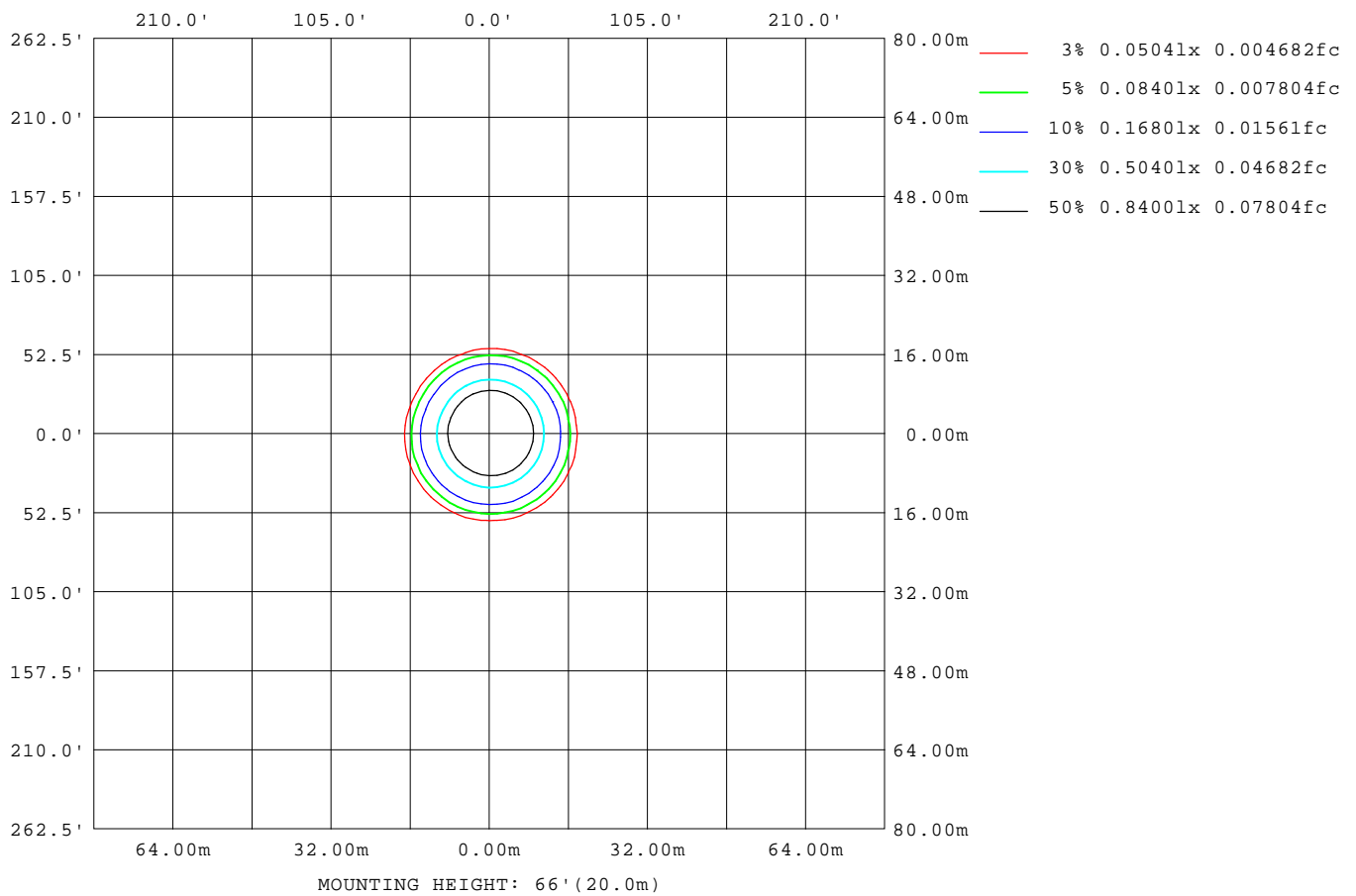
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-8-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: CXB1304-0000-000F0UA430G Ra:90  
LENS: PM-1084C 50R  
DRIVER: 9290 028 088 350mA  
30minutes warm-up

## ISOLUX DIAGRAM

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:220.17V I:0.0396A P:8.2388W PF:0.9407 Freq:49.99Hz<br>Lamp Flux:685.66x1 lm |                     |                        |
| NAME: 2214.412-1-ACOT-96   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2308111006 |
| MFR.: RISE   | SUR.: 0.000854865m2 | Shielding Angle:       |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-8-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CXB1304-0000-000F0UA430G Ra:90  
LENS: PM-1084C 50R  
DRIVER: 9290 028 088 350mA  
30minutes warm-up

## LED Avg.L Report

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:220.17V I:0.0396A P:8.2388W PF:0.9407 Freq:49.99Hz<br>Lamp Flux:685.66x1 lm |                     |                        |
| NAME: 2214.412-1-ACOT-96   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2308111006 |
| MFR.: RISE   | SUR.: 0.000854865m2 | Shielding Angle:       |

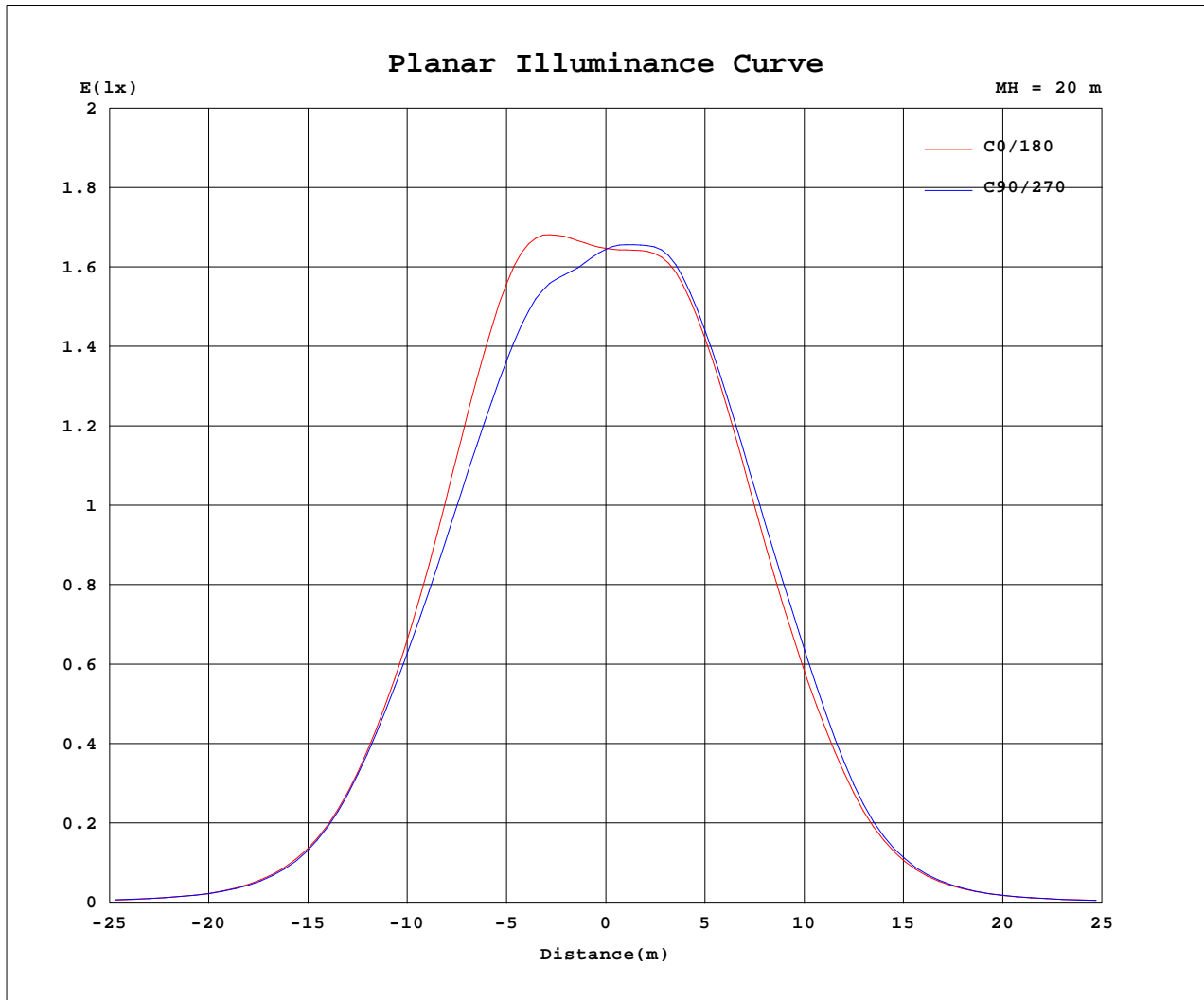
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 9164  |
| L_0~180(75)av  | 8731  |
| L_0~180(85)av  | 4004  |
| L_90~270(65)av | 9047  |
| L_90~270(75)av | 8688  |
| L_90~270(85)av | 3929  |
| L_45(65)av     | 9133  |
| L_45(75)av     | 8729  |
| L_45(85)av     | 4939  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-8-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CXB1304-0000-000F0UA430G Ra:90  
LENS: PM-1084C 50R  
DRIVER: 9290 028 088 350mA  
30minutes warm-up

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators: zoe  
 Test Date: 2023-8-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
 Humidity: 65.0%  
 Test Distance: 3.160m [K=1.0000]  
 Remarks: LAMP: CXB1304-0000-000F0UA430G Ra:90  
 LENS: PM-1084C 50R  
 DRIVER: 9290 028 088 350mA  
 30minutes warm-up

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:220.17V I:0.0396A P:8.2388W PF:0.9407 Freq:49.99Hz<br>Lamp Flux:685.66x1 lm |                     |                        |
| NAME: 2214.412-1-ACOT-96   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2308111006 |
| MFR.: RISE   | SUR.: 0.000854865m2 | Shielding Angle:       |

Table--1

UNIT: cd

| C(DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0                 | 658  | 658  | 658  | 658  | 658  | 658  | 658  | 658  | 658  | 658  | 658  | 658  |  |  |  |  |  |  |
| 5                 | 676  | 669  | 654  | 643  | 639  | 646  | 663  | 673  | 672  | 670  | 671  | 675  |  |  |  |  |  |  |
| 10                | 699  | 684  | 651  | 636  | 621  | 635  | 664  | 679  | 671  | 673  | 681  | 690  |  |  |  |  |  |  |
| 15                | 669  | 656  | 606  | 584  | 566  | 582  | 607  | 619  | 616  | 617  | 633  | 655  |  |  |  |  |  |  |
| 20                | 562  | 554  | 523  | 498  | 482  | 490  | 500  | 503  | 519  | 521  | 535  | 553  |  |  |  |  |  |  |
| 25                | 415  | 414  | 403  | 388  | 373  | 371  | 368  | 362  | 388  | 400  | 408  | 414  |  |  |  |  |  |  |
| 30                | 270  | 272  | 270  | 264  | 248  | 240  | 233  | 222  | 242  | 254  | 264  | 268  |  |  |  |  |  |  |
| 35                | 142  | 146  | 143  | 139  | 129  | 121  | 114  | 106  | 114  | 122  | 131  | 136  |  |  |  |  |  |  |
| 40                | 63.2 | 65.4 | 63.2 | 60.6 | 56.6 | 52.6 | 47.8 | 44.6 | 46.8 | 50.4 | 55.0 | 58.9 |  |  |  |  |  |  |
| 45                | 26.3 | 27.6 | 26.6 | 25.7 | 23.9 | 22.4 | 20.4 | 19.3 | 20.1 | 20.9 | 22.4 | 24.2 |  |  |  |  |  |  |
| 50                | 12.6 | 13.4 | 13.1 | 12.7 | 11.9 | 11.2 | 10.3 | 9.93 | 9.95 | 10.0 | 10.5 | 11.4 |  |  |  |  |  |  |
| 55                | 5.88 | 6.27 | 6.32 | 6.29 | 6.03 | 5.74 | 5.40 | 5.21 | 5.00 | 4.97 | 5.13 | 5.43 |  |  |  |  |  |  |
| 60                | 3.80 | 3.88 | 3.93 | 3.99 | 4.03 | 4.00 | 3.86 | 3.76 | 3.65 | 3.60 | 3.65 | 3.73 |  |  |  |  |  |  |
| 65                | 3.28 | 3.31 | 3.34 | 3.41 | 3.48 | 3.47 | 3.35 | 3.23 | 3.15 | 3.13 | 3.18 | 3.24 |  |  |  |  |  |  |
| 70                | 2.65 | 2.70 | 2.74 | 2.79 | 2.82 | 2.79 | 2.67 | 2.56 | 2.49 | 2.48 | 2.52 | 2.59 |  |  |  |  |  |  |
| 75                | 1.93 | 1.99 | 2.03 | 2.07 | 2.07 | 2.03 | 1.94 | 1.84 | 1.80 | 1.78 | 1.81 | 1.87 |  |  |  |  |  |  |
| 80                | 1.19 | 1.29 | 1.33 | 1.34 | 1.35 | 1.30 | 1.19 | 1.15 | 1.07 | 1.01 | 1.10 | 1.15 |  |  |  |  |  |  |
| 85                | 0.32 | 0.49 | 0.52 | 0.47 | 0.52 | 0.45 | 0.28 | 0.24 | 0.18 | 0.11 | 0.20 | 0.27 |  |  |  |  |  |  |
| 90                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 95                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 100               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 105               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 110               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 115               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 120               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 125               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 130               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 135               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 140               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 145               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 150               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 155               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 160               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 165               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 170               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 175               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 180               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-8-11

γ Range: 0 - 180DEG  
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