

### Luminaire Photograph



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 81.1%   |                          |
| Luminaire Power:    | 11.77 W |                          |
| SHR Nominal:        | 0.75    | Calculated using the TM5 |
| SHR Maximum:        | 0.80    | fine grid method.        |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-5-31

$\gamma$  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: CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084C 50R  
DRIVER: PUP10A-1WMC-700 500mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

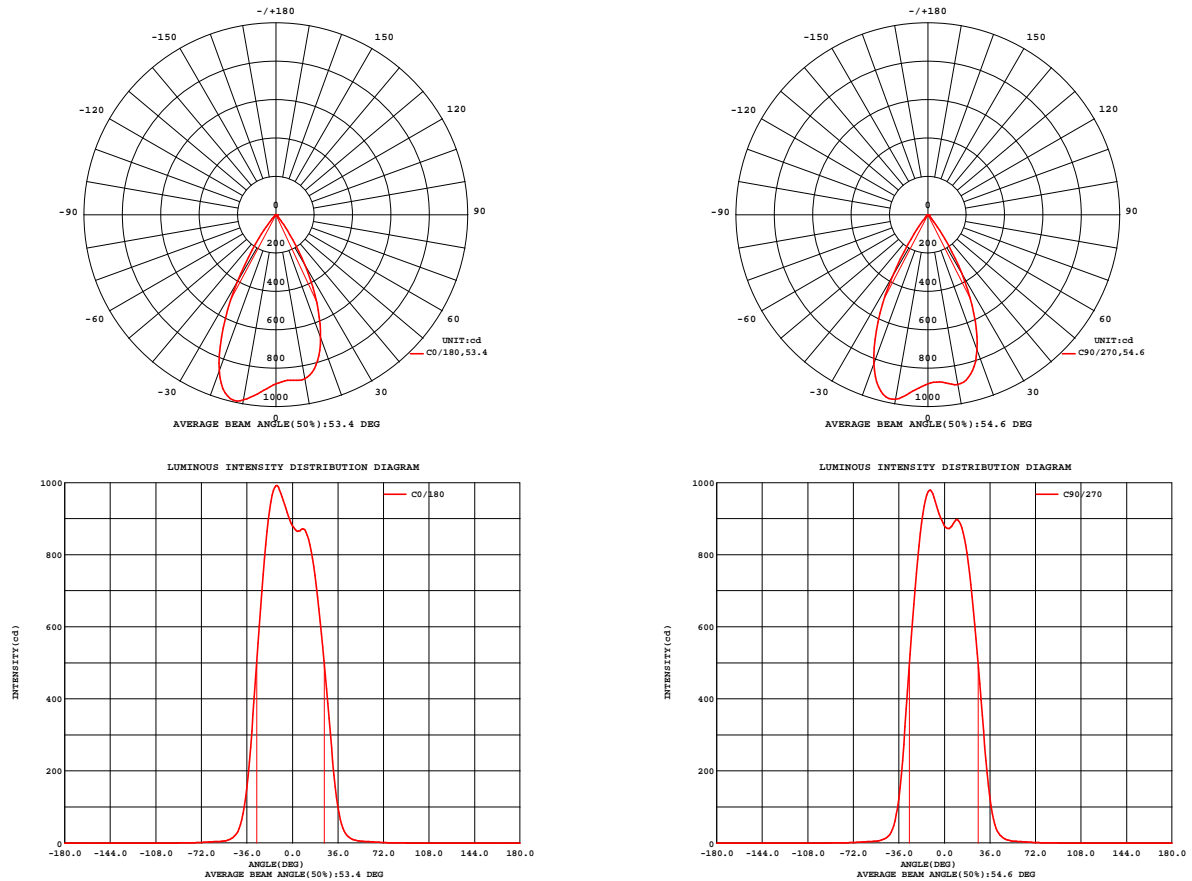


Fig. C0/C180

Fig. C90/C270

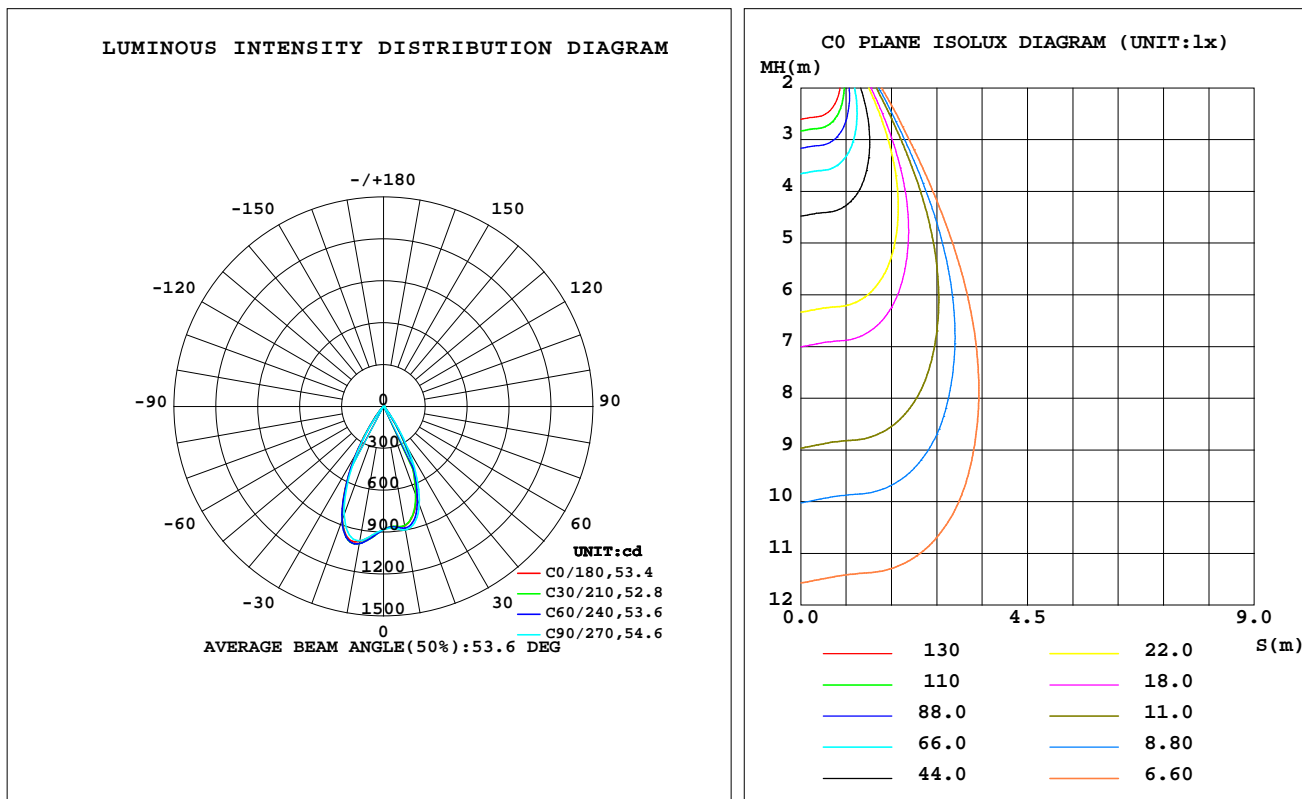
C Range: 0 - 360DEG  
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DRIVER: PUP10A-1WMC-700 500mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

|   |                     |                        |
|---|---------------------|------------------------|
| Test:U:120.22V I:0.0990A P:11.769W PF:0.9871 Freq:59.98Hz<br>Lamp Flux:896.707x1 lm |                     |                        |
| NAME: 2318.203-LEA-09   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K  | DIM.:               | SERIAL No.: 2305310698 |
| MFR.: RISE  | SUR.: 0.000572265m2 | Shielding Angle:       |

| DATA OF LAMP     |         | PHOTOMETRIC DATA      |        |                   |  | Eff: 61.78 lm/W |
|------------------|---------|-----------------------|--------|-------------------|--|-----------------|
| MODEL            | CREE    | I <sub>max</sub> (cd) | 1006   | S/MH(C0/180)      |  | 0.86            |
| NOMINAL POWER(W) | 12      | LOR(%)                | 81.1   | S/MH(C90/270)     |  | 0.84            |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)        | 727.15 | η UP,DN(C0-180)   |  | 0.0,39.0        |
| NOMINAL FLUX(lm) | 896.707 | CIE CLASS             | DIRECT | η UP,DN(C180-360) |  | 0.0,42.1        |
| LAMPS INSIDE     | 1       | η up(%)               | 0.0    | CIBSE SHR NOM     |  | 0.75            |
| TEST VOLTAGE(V)  | 120     | η down(%)             | 81.1   | CIBSE SHR MAX     |  | 0.80            |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084C 50R  
DRIVER:PUP10A-1WMC-700 500mA  
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       | 867.8                 | 875.4  | 897.5  | 940.5  | 979.4  | 996.5  | 976.0  | 910.3  | 0- 10    | 86.90       | 86.90        | 12,9.69   |
| 20       | 681.7                 | 693.7  | 749.3  | 817.5  | 864.4  | 868.4  | 824.0  | 743.7  | 10- 20   | 249.0       | 335.9        | 46.2,37.5 |
| 30       | 304.8                 | 312.3  | 354.0  | 389.2  | 406.1  | 395.4  | 372.5  | 328.7  | 20- 30   | 262.0       | 597.9        | 82.2,66.7 |
| 40       | 41.51                 | 43.71  | 51.45  | 59.74  | 64.49  | 56.99  | 47.79  | 42.40  | 30- 40   | 104.5       | 702.3        | 96.6,78.3 |
| 50       | 7.282                 | 7.436  | 8.275  | 8.840  | 9.129  | 8.737  | 7.873  | 7.323  | 40- 50   | 16.23       | 718.6        | 98.8,80.1 |
| 60       | 3.796                 | 3.837  | 3.912  | 3.997  | 3.912  | 3.810  | 3.788  | 3.795  | 50- 60   | 4.650       | 723.2        | 99.5,80.7 |
| 70       | 1.610                 | 1.679  | 1.759  | 1.827  | 1.860  | 1.833  | 1.753  | 1.648  | 60- 70   | 2.744       | 726.0        | 99.8,81   |
| 80       | 0.3203                | 0.3439 | 0.4029 | 0.4563 | 0.4933 | 0.4771 | 0.4257 | 0.3473 | 70- 80   | 1.062       | 727.0        | 100,81.1  |
| 90       | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 80- 90   | 0.1269      | 727.2        | 100,81.1  |
| 100      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 90-100   | 0           | 727.2        | 100,81.1  |
| 110      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 100-110  | 0           | 727.2        | 100,81.1  |
| 120      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 110-120  | 0           | 727.2        | 100,81.1  |
| 130      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 120-130  | 0           | 727.2        | 100,81.1  |
| 140      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 130-140  | 0           | 727.2        | 100,81.1  |
| 150      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 140-150  | 0           | 727.2        | 100,81.1  |
| 160      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 150-160  | 0           | 727.2        | 100,81.1  |
| 170      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 160-170  | 0           | 727.2        | 100,81.1  |
| 180      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 170-180  | 0           | 727.2        | 100,81.1  |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |           |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-5-31

$\gamma$  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:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084C 50R  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

## LUMINANCE LIMITATION CURVES

Test:U:120.22V I:0.0990A P:11.769W PF:0.9871 Freq:59.98Hz  
Lamp Flux:896.707x1 lm

NAME: 2318.203-LEA-09

TYPE:

WEIGHT:

SPEC.: 3000K

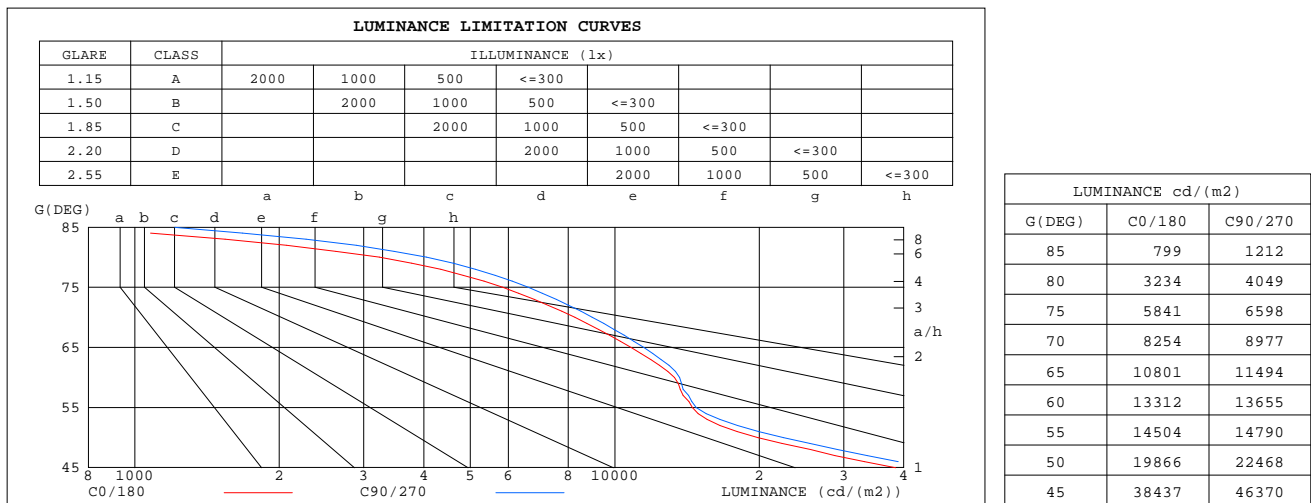
DIM.:

SERIAL No.: 2305310698

MFR.: RISE

SUR.: 0.000572265m2

Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-5-31

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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:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084C 50R  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.22V I:0.0990A P:11.769W PF:0.9871 Freq:59.98Hz  
Lamp Flux:896.707x1 lm

NAME: 2318.203-LEA-09

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

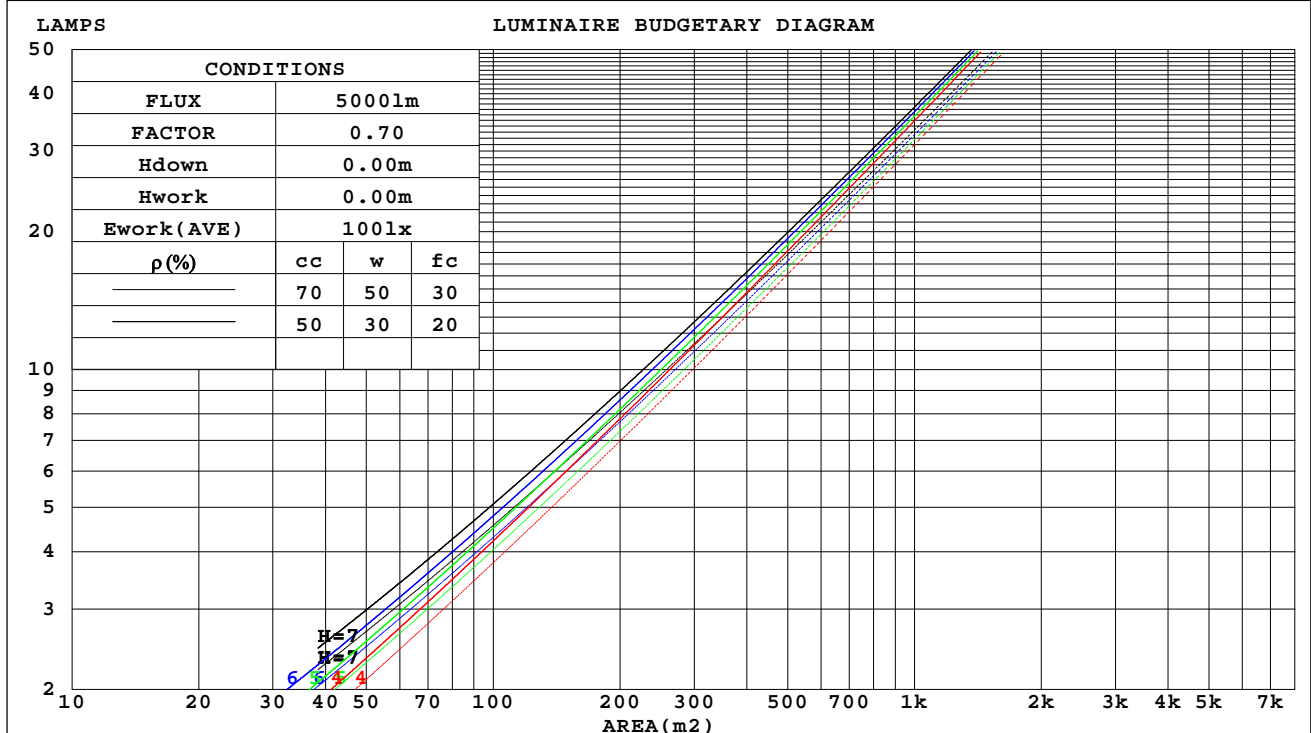
SERIAL No.: 2305310698

MFR.: RISE

SUR.: 0.000572265m2

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℃  
Operators:zoe  
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$\gamma$  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:CMA1306-0000-000F0U0A30G Ra:90  
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30minutes warm-up

### WEC AND CCEC

|   |                     |                        |
|---|---------------------|------------------------|
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| NAME: 2318.203-LEA-09   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K  | DIM.:               | SERIAL No.: 2305310698 |
| MFR.: RISE  | SUR.: 0.000572265m2 | 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  | .136                  | .078 | .025 | .131 | .075 | .024 | .121                            | .069 | .022 | .112 | .064 | .021 | .103 | .060 | .019 |   |
| 2.0  | .130                  | .071 | .022 | .125 | .069 | .021 | .117                            | .065 | .020 | .109 | .061 | .019 | .102 | .057 | .018 |   |
| 3.0  | .123                  | .066 | .020 | .119 | .064 | .019 | .112                            | .061 | .018 | .105 | .058 | .018 | .099 | .055 | .017 |   |
| 4.0  | .117                  | .061 | .018 | .114 | .060 | .018 | .108                            | .057 | .017 | .102 | .055 | .017 | .097 | .052 | .016 |   |
| 5.0  | .112                  | .057 | .016 | .109 | .056 | .016 | .103                            | .054 | .016 | .098 | .052 | .015 | .094 | .050 | .015 |   |
| 6.0  | .107                  | .053 | .015 | .104 | .053 | .015 | .099                            | .051 | .015 | .095 | .049 | .015 | .091 | .048 | .014 |   |
| 7.0  | .102                  | .050 | .014 | .100 | .050 | .014 | .096                            | .048 | .014 | .092 | .047 | .014 | .088 | .046 | .013 |   |
| 8.0  | .098                  | .048 | .013 | .096 | .047 | .013 | .092                            | .046 | .013 | .089 | .045 | .013 | .085 | .044 | .013 |   |
| 9.0  | .094                  | .045 | .013 | .092 | .045 | .013 | .089                            | .044 | .012 | .086 | .043 | .012 | .083 | .042 | .012 |   |
| 10.0 | .090                  | .043 | .012 | .089 | .043 | .012 | .086                            | .042 | .012 | .083 | .041 | .012 | .080 | .040 | .012 |   |

| 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  | .154                  | .154 | .154 | .132 | .132 | .132 | .090                                       | .090 | .090 | .052 | .052 | .052 | .017 | .017 | .017 |   |  |
| 1.0  | .138                  | .128 | .118 | .118 | .110 | .102 | .081                                       | .075 | .070 | .047 | .044 | .041 | .015 | .014 | .013 |   |  |
| 2.0  | .125                  | .107 | .092 | .107 | .093 | .080 | .074                                       | .064 | .056 | .042 | .037 | .033 | .014 | .012 | .011 |   |  |
| 3.0  | .115                  | .092 | .074 | .099 | .079 | .064 | .068                                       | .055 | .045 | .039 | .032 | .026 | .013 | .010 | .009 |   |  |
| 4.0  | .106                  | .080 | .060 | .091 | .069 | .052 | .063                                       | .048 | .037 | .036 | .028 | .022 | .012 | .009 | .007 |   |  |
| 5.0  | .099                  | .070 | .049 | .085 | .061 | .043 | .059                                       | .043 | .030 | .034 | .025 | .018 | .011 | .008 | .006 |   |  |
| 6.0  | .093                  | .063 | .041 | .080 | .054 | .036 | .055                                       | .038 | .025 | .032 | .022 | .015 | .010 | .007 | .005 |   |  |
| 7.0  | .087                  | .057 | .035 | .075 | .049 | .031 | .052                                       | .034 | .022 | .030 | .020 | .013 | .010 | .007 | .004 |   |  |
| 8.0  | .083                  | .052 | .030 | .071 | .045 | .026 | .049                                       | .031 | .019 | .029 | .019 | .011 | .009 | .006 | .004 |   |  |
| 9.0  | .079                  | .047 | .026 | .068 | .041 | .023 | .047                                       | .029 | .016 | .027 | .017 | .010 | .009 | .006 | .003 |   |  |
| 10.0 | .075                  | .044 | .023 | .065 | .038 | .020 | .045                                       | .027 | .014 | .026 | .016 | .008 | .008 | .005 | .003 |   |  |

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Operators:zoe  
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Humidity:65.0%  
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30minutes warm-up

## UGR(Unified Glare Rating) Table

|   |                  |      |      |      |                     |                |      |                        |      |      |
|---|------------------|------|------|------|---------------------|----------------|------|------------------------|------|------|
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| NAME: 2318.203-LEA-09   |                  |      |      |      | TYPE:               |                |      | WEIGHT:                |      |      |
| SPEC.: 3000K  |                  |      |      |      | DIM.:               |                |      | SERIAL No.: 2305310698 |      |      |
| MFR.: RISE  |                  |      |      |      | SUR.: 0.000572265m2 |                |      | 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   | 21.6             | 22.5 | 21.8 | 22.7 | 22.8                | 22.4           | 23.3 | 22.6                   | 23.5 | 23.6 |
| 3H  | 21.5             | 22.3 | 21.8 | 22.5 | 22.7                | 22.3           | 23.1 | 22.5                   | 23.3 | 23.5 |
| 4H  | 21.4             | 22.2 | 21.7 | 22.4 | 22.6                | 22.2           | 23.0 | 22.5                   | 23.2 | 23.4 |
| 6H  | 21.4             | 22.1 | 21.7 | 22.3 | 22.6                | 22.1           | 22.9 | 22.4                   | 23.1 | 23.3 |
| 8H  | 21.3             | 22.0 | 21.6 | 22.3 | 22.5                | 22.1           | 22.8 | 22.4                   | 23.0 | 23.3 |
| 12H   | 21.3             | 21.9 | 21.6 | 22.2 | 22.5                | 22.1           | 22.7 | 22.4                   | 23.0 | 23.3 |
| 4H 2H   | 21.4             | 22.2 | 21.7 | 22.4 | 22.6                | 22.2           | 23.0 | 22.5                   | 23.2 | 23.4 |
| 3H  | 21.3             | 22.0 | 21.6 | 22.2 | 22.5                | 22.1           | 22.7 | 22.4                   | 23.0 | 23.3 |
| 4H  | 21.2             | 21.8 | 21.6 | 22.1 | 22.4                | 22.0           | 22.6 | 22.4                   | 22.9 | 23.2 |
| 6H  | 21.2             | 21.7 | 21.5 | 22.0 | 22.4                | 21.9           | 22.5 | 22.3                   | 22.8 | 23.1 |
| 8H  | 21.1             | 21.6 | 21.5 | 21.9 | 22.3                | 21.9           | 22.4 | 22.3                   | 22.7 | 23.1 |
| 12H   | 21.0             | 21.5 | 21.5 | 21.9 | 22.3                | 21.8           | 22.3 | 22.2                   | 22.6 | 23.0 |
| 8H 4H   | 21.1             | 21.6 | 21.5 | 21.9 | 22.3                | 21.9           | 22.4 | 22.3                   | 22.7 | 23.1 |
| 6H  | 21.0             | 21.4 | 21.4 | 21.8 | 22.2                | 21.8           | 22.2 | 22.2                   | 22.6 | 23.0 |
| 8H  | 21.0             | 21.3 | 21.4 | 21.7 | 22.2                | 21.7           | 22.1 | 22.2                   | 22.5 | 22.9 |
| 12H   | 20.9             | 21.2 | 21.4 | 21.7 | 22.1                | 21.7           | 22.0 | 22.1                   | 22.4 | 22.9 |
| 12H 4H  | 21.1             | 21.5 | 21.5 | 21.9 | 22.3                | 21.8           | 22.3 | 22.2                   | 22.6 | 23.0 |
| 6H  | 21.0             | 21.3 | 21.4 | 21.7 | 22.2                | 21.7           | 22.1 | 22.2                   | 22.5 | 22.9 |
| 8H  | 20.9             | 21.2 | 21.4 | 21.7 | 22.1                | 21.7           | 22.0 | 22.1                   | 22.4 | 22.9 |
| Variations with the observer position at spacings(CIE Pub.117):                     |                  |      |      |      |                     |                |      |                        |      |      |
| S = 1.0H  | + 3.8 / - 6.5    |      |      |      |                     | + 4.3 / - 7.1  |      |                        |      |      |
| 1.5H  | + 6.2 / - 5.7    |      |      |      |                     | + 6.7 / - 6.5  |      |                        |      |      |
| 2.0H  | + 3.7 / - 1.5    |      |      |      |                     | + 4.6 / - 1.7  |      |                        |      |      |

CIE Pub.117, 896.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)  
Area: 0.000572265 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084C 50R  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

|   |                     |                        |
|---|---------------------|------------------------|
| Test:U:120.22V I:0.0990A P:11.769W PF:0.9871 Freq:59.98Hz<br>Lamp Flux:896.707x1 lm |                     |                        |
| NAME: 2318.203-LEA-09   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K  | DIM.:               | SERIAL No.: 2305310698 |
| MFR.: RISE  | SUR.: 0.000572265m2 | Shielding Angle:       |

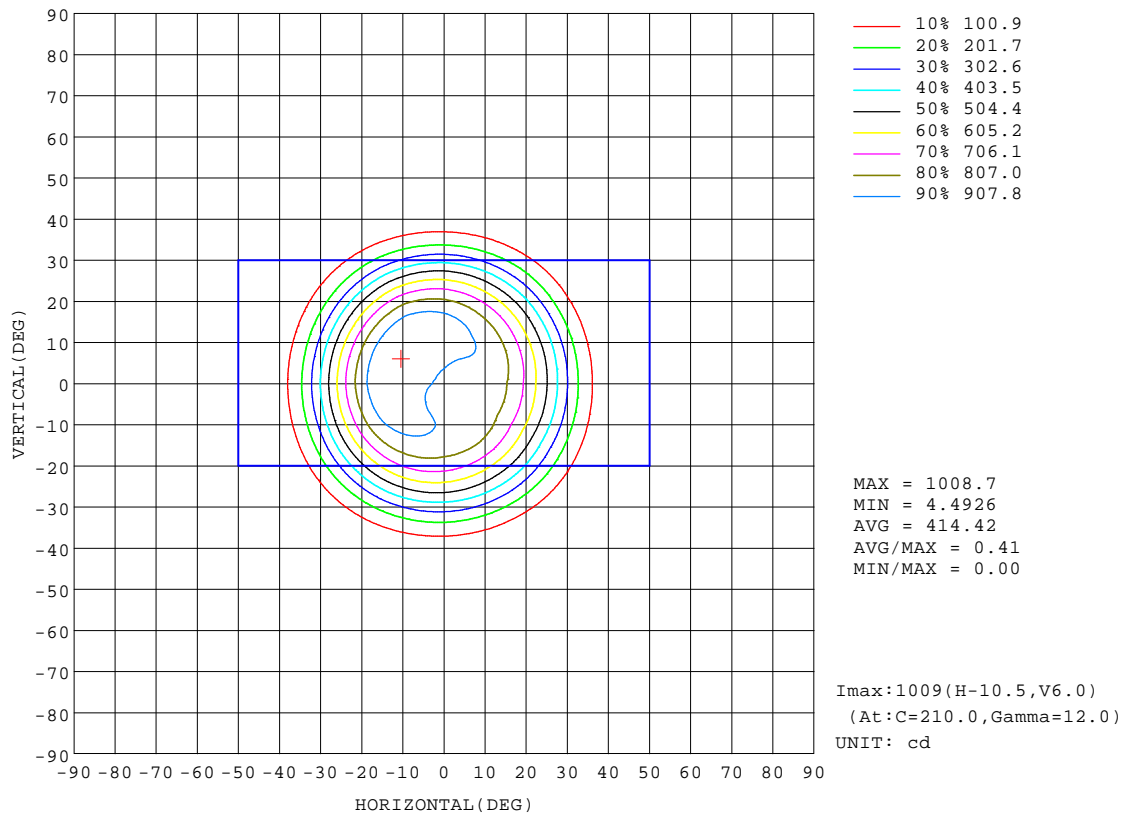
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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                         | 73  | 68  | 65        | 72  | 68  | 65  | 72  | 67            | 65  | 62     |
| 0.80                             | 78  | 74  | 71        | 78  | 74  | 71  | 77  | 73            | 71  | 68     |
| 1.00                             | 82  | 77  | 75        | 81  | 77  | 74  | 80  | 77            | 74  | 71     |
| 1.25                             | 85  | 81  | 78        | 84  | 80  | 78  | 82  | 79            | 77  | 74     |
| 1.50                             | 87  | 83  | 81        | 86  | 82  | 80  | 84  | 81            | 79  | 76     |
| 2.00                             | 89  | 85  | 83        | 87  | 85  | 82  | 85  | 83            | 81  | 77     |
| 2.50                             | 90  | 87  | 85        | 89  | 86  | 84  | 86  | 84            | 82  | 78     |
| 3.00                             | 91  | 88  | 86        | 90  | 87  | 85  | 87  | 85            | 84  | 79     |
| 4.00                             | 93  | 91  | 89        | 91  | 89  | 88  | 88  | 87            | 86  | 80     |
| 5.00                             | 94  | 92  | 91        | 92  | 90  | 89  | 89  | 88            | 87  | 81     |
| 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:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084C 50R  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

|   |                     |                        |
|---|---------------------|------------------------|
| Test:U:120.22V I:0.0990A P:11.769W PF:0.9871 Freq:59.98Hz<br>Lamp Flux:896.707x1 lm |                     |                        |
| NAME: 2318.203-LEA-09   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K  | DIM.:               | SERIAL No.: 2305310698 |
| MFR.: RISE  | SUR.: 0.000572265m2 | Shielding Angle:       |

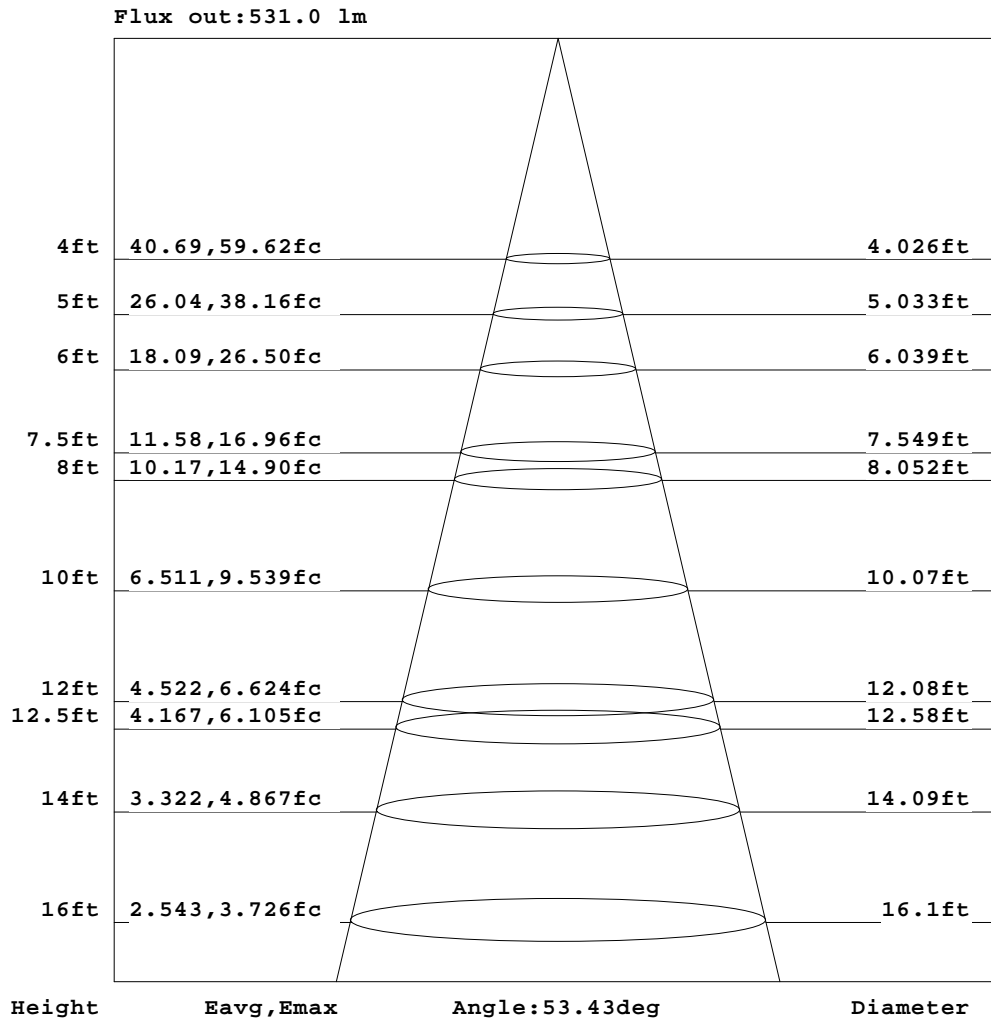


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084C 50R  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

## AAI Figure

|   |                     |                        |
|---|---------------------|------------------------|
| Test:U:120.22V I:0.0990A P:11.769W PF:0.9871 Freq:59.98Hz<br>Lamp Flux:896.707x1 lm |                     |                        |
| NAME: 2318.203-LEA-09   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K  | DIM.:               | SERIAL No.: 2305310698 |
| MFR.: RISE  | SUR.: 0.000572265m2 | Shielding Angle:       |



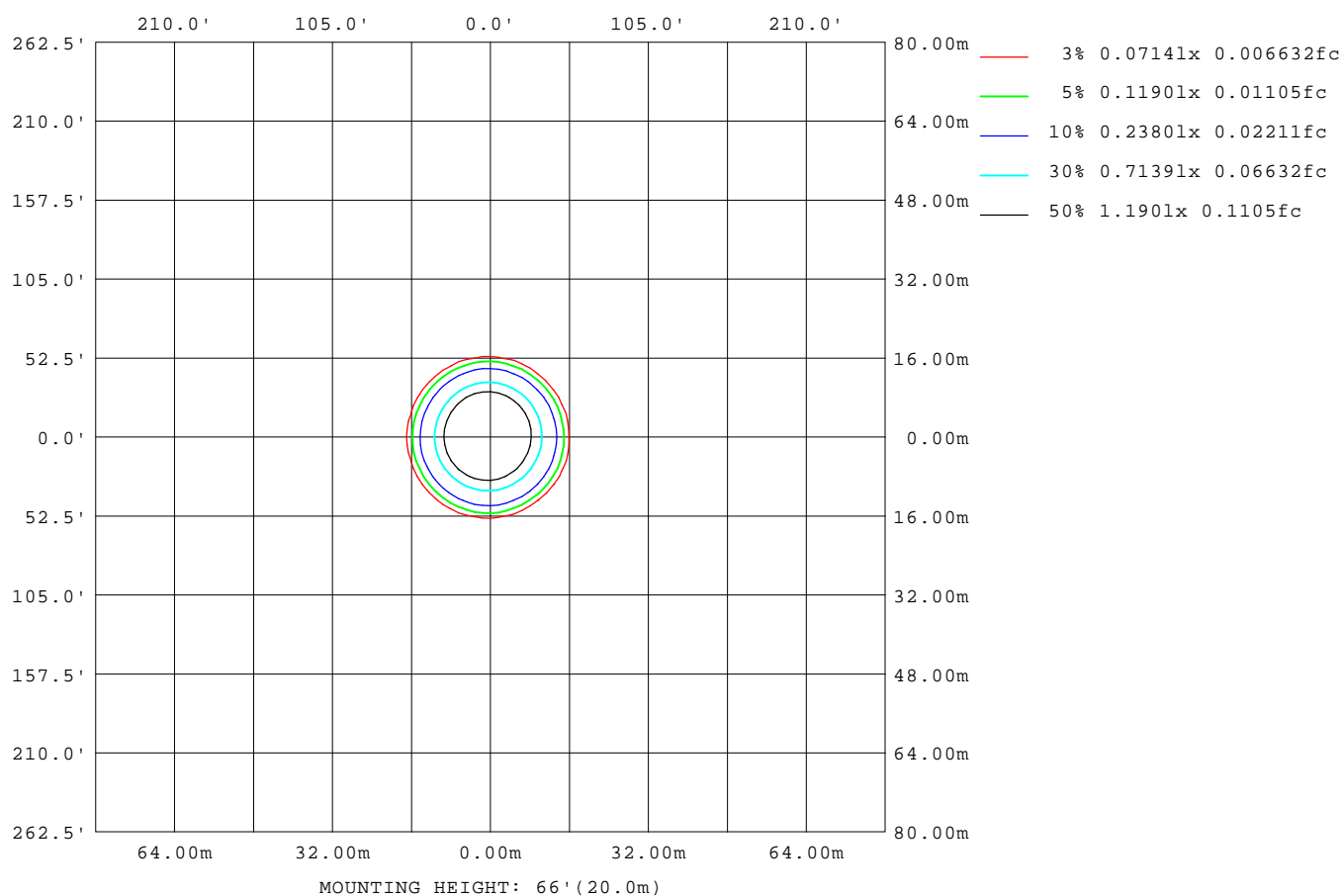
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-5-31

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: CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084C 50R  
DRIVER: PUP10A-1WMC-700 500mA  
30minutes warm-up

## ISOLUX DIAGRAM

|   |                     |                        |
|---|---------------------|------------------------|
| Test:U:120.22V I:0.0990A P:11.769W PF:0.9871 Freq:59.98Hz<br>Lamp Flux:896.707x1 lm |                     |                        |
| NAME: 2318.203-LEA-09   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K  | DIM.:               | SERIAL No.: 2305310698 |
| MFR.: RISE  | SUR.: 0.000572265m2 | Shielding Angle:       |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084C 50R  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

## LED Avg.L Report

|   |                     |                        |
|---|---------------------|------------------------|
| Test:U:120.22V I:0.0990A P:11.769W PF:0.9871 Freq:59.98Hz<br>Lamp Flux:896.707x1 lm |                     |                        |
| NAME: 2318.203-LEA-09   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K  | DIM.:               | SERIAL No.: 2305310698 |
| MFR.: RISE  | SUR.: 0.000572265m2 | Shielding Angle:       |

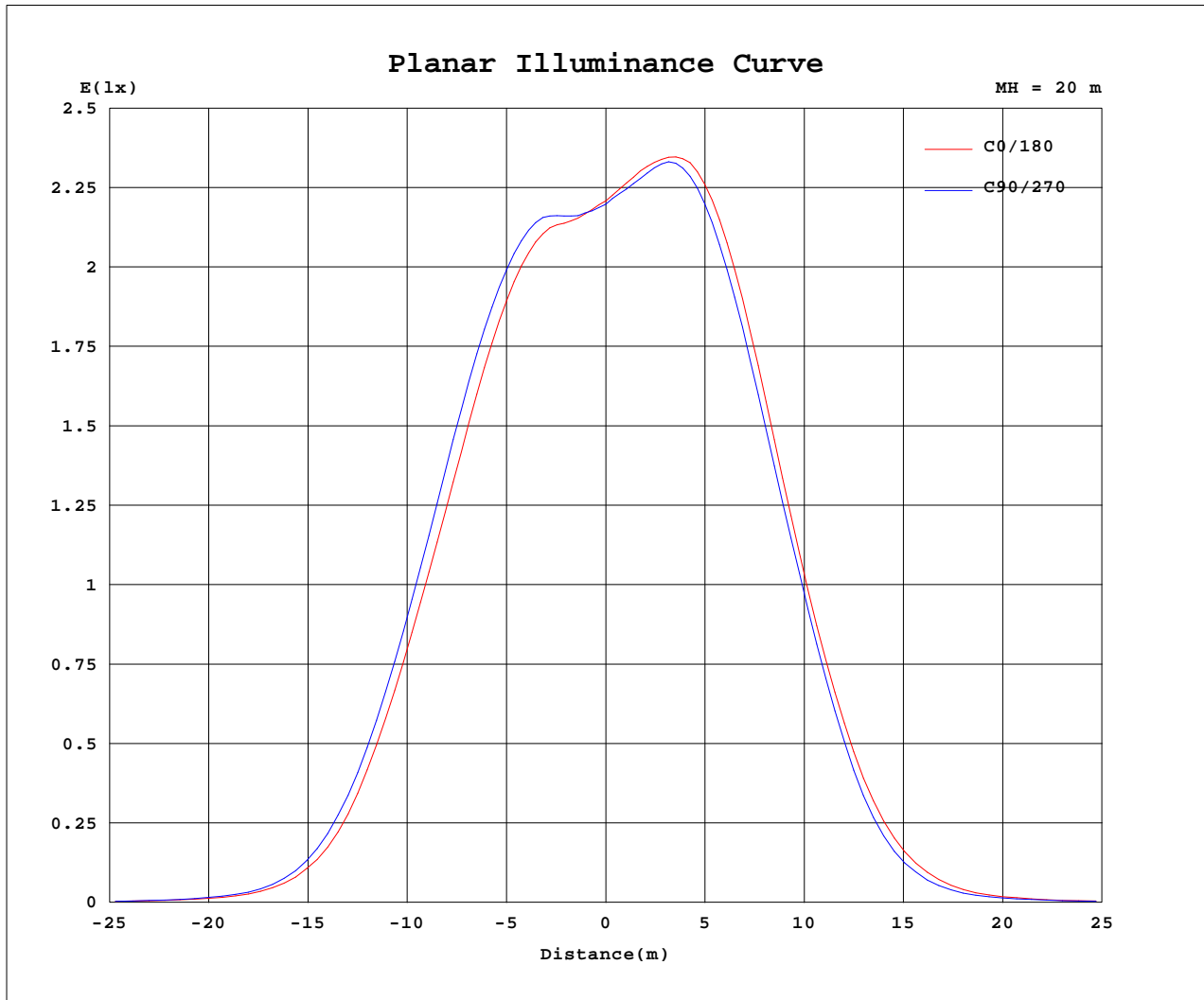
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 11365 |
| L_0~180(75)av  | 6518  |
| L_0~180(85)av  | 1483  |
| L_90~270(65)av | 11391 |
| L_90~270(75)av | 6659  |
| L_90~270(85)av | 1296  |
| L_45(65)av     | 11395 |
| L_45(75)av     | 6576  |
| L_45(85)av     | 1281  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084C 50R  
DRIVER:PUP10A-1WMC-700 500mA  
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: 2023-5-31

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: CMA1306-0000-000F0U0A30G Ra:90  
 LENS: PM-1084C 50R  
 DRIVER: PUP10A-1WMC-700 500mA  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                     |                        |
|---|---------------------|------------------------|
| Test:U:120.22V I:0.0990A P:11.769W PF:0.9871 Freq:59.98Hz<br>Lamp Flux:896.707x1 lm |                     |                        |
| NAME: 2318.203-LEA-09   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K  | DIM.:               | SERIAL No.: 2305310698 |
| MFR.: RISE  | SUR.: 0.000572265m2 | Shielding Angle:       |

Table--1

UNIT: cd

| C(DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0                 | 880  | 880  | 880  | 880  | 880  | 880  | 880  | 880  | 880  | 880  | 880  | 880  |  |  |  |  |  |  |
| 5                 | 865  | 862  | 866  | 876  | 890  | 909  | 929  | 941  | 939  | 923  | 899  | 878  |  |  |  |  |  |  |
| 10                | 868  | 866  | 885  | 898  | 927  | 954  | 979  | 996  | 997  | 976  | 927  | 893  |  |  |  |  |  |  |
| 15                | 810  | 806  | 844  | 861  | 906  | 951  | 978  | 989  | 989  | 951  | 891  | 853  |  |  |  |  |  |  |
| 20                | 682  | 675  | 712  | 749  | 794  | 841  | 864  | 867  | 870  | 824  | 767  | 720  |  |  |  |  |  |  |
| 25                | 506  | 500  | 528  | 567  | 606  | 636  | 652  | 648  | 650  | 617  | 571  | 531  |  |  |  |  |  |  |
| 30                | 305  | 300  | 324  | 354  | 380  | 398  | 406  | 395  | 395  | 373  | 342  | 316  |  |  |  |  |  |  |
| 35                | 127  | 131  | 140  | 159  | 172  | 182  | 186  | 175  | 168  | 153  | 139  | 128  |  |  |  |  |  |  |
| 40                | 41.5 | 43.4 | 44.0 | 51.5 | 57.2 | 62.2 | 64.5 | 60.1 | 53.9 | 47.8 | 43.7 | 41.1 |  |  |  |  |  |  |
| 45                | 15.5 | 16.0 | 16.5 | 18.8 | 19.3 | 20.8 | 21.4 | 20.5 | 18.9 | 16.7 | 15.6 | 15.2 |  |  |  |  |  |  |
| 50                | 7.28 | 7.38 | 7.49 | 8.28 | 8.61 | 9.07 | 9.13 | 9.09 | 8.39 | 7.87 | 7.44 | 7.21 |  |  |  |  |  |  |
| 55                | 4.74 | 4.82 | 4.75 | 4.86 | 5.01 | 5.14 | 5.02 | 4.88 | 4.80 | 4.73 | 4.71 | 4.72 |  |  |  |  |  |  |
| 60                | 3.80 | 3.82 | 3.85 | 3.91 | 3.98 | 4.02 | 3.91 | 3.82 | 3.80 | 3.79 | 3.79 | 3.80 |  |  |  |  |  |  |
| 65                | 2.60 | 2.65 | 2.71 | 2.78 | 2.86 | 2.93 | 2.89 | 2.83 | 2.80 | 2.73 | 2.66 | 2.61 |  |  |  |  |  |  |
| 70                | 1.61 | 1.66 | 1.70 | 1.76 | 1.80 | 1.85 | 1.86 | 1.84 | 1.82 | 1.75 | 1.68 | 1.62 |  |  |  |  |  |  |
| 75                | 0.86 | 0.89 | 0.92 | 0.98 | 1.02 | 1.06 | 1.07 | 1.07 | 1.05 | 0.99 | 0.93 | 0.87 |  |  |  |  |  |  |
| 80                | 0.32 | 0.33 | 0.36 | 0.40 | 0.44 | 0.48 | 0.49 | 0.49 | 0.47 | 0.43 | 0.37 | 0.32 |  |  |  |  |  |  |
| 85                | 0.04 | 0.04 | 0.04 | 0.06 | 0.07 | 0.10 | 0.11 | 0.10 | 0.09 | 0.07 | 0.05 | 0.04 |  |  |  |  |  |  |
| 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:2023-5-31

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γ Interval: 1.0DEG  
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Humidity:65.0%  
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30minutes warm-up