

## Luminaire Photograph



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 82.7%   |                          |
| Luminaire Power:    | 2.616 W |                          |
| SHR Nominal:        | 0.75    | Calculated using the TM5 |
| SHR Maximum:        | 0.75    | fine grid method.        |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-5-4

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: BXRE-30G-11H-3A-00-0-0 Ra: 90  
LENS: LL01ZZ-AF C10L06 40R  
NO DRIVER: DC24V 700mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

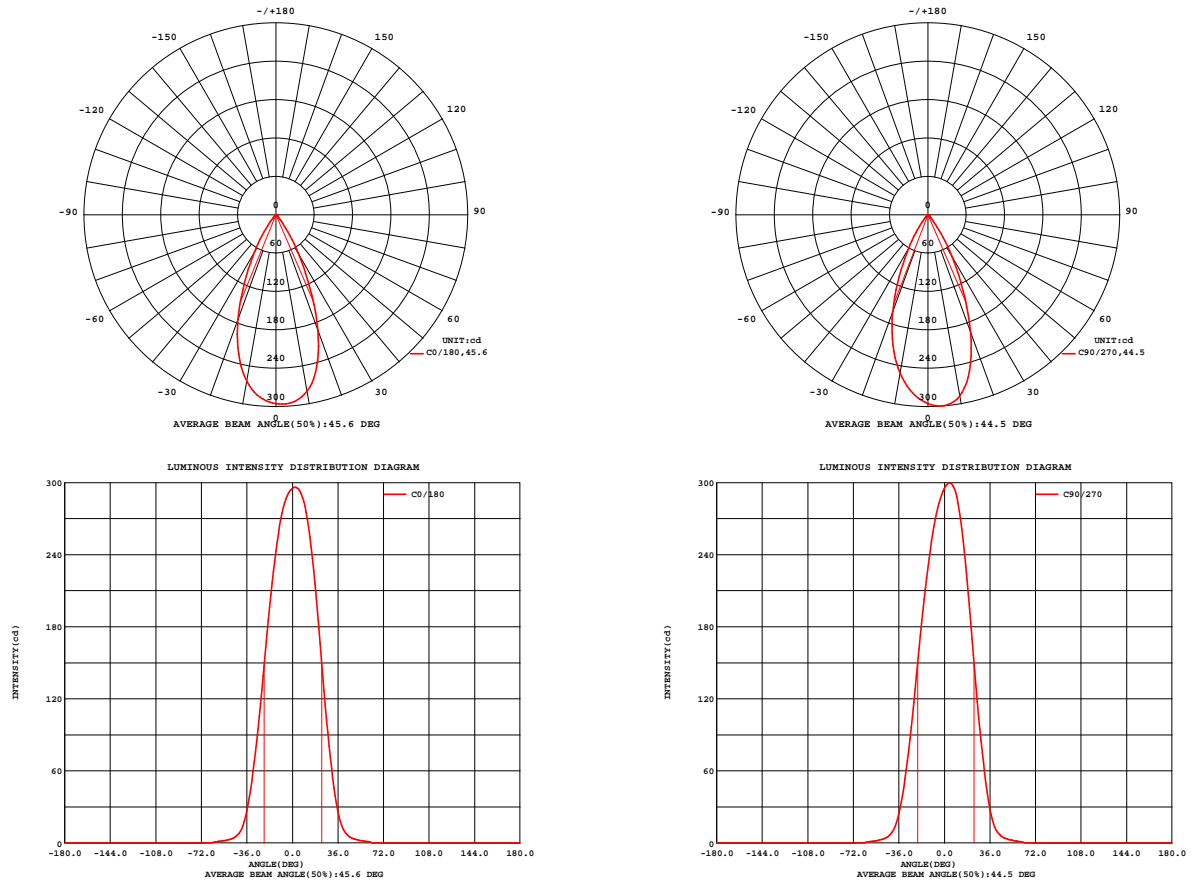


Fig. C0/C180

Fig. C90/C270

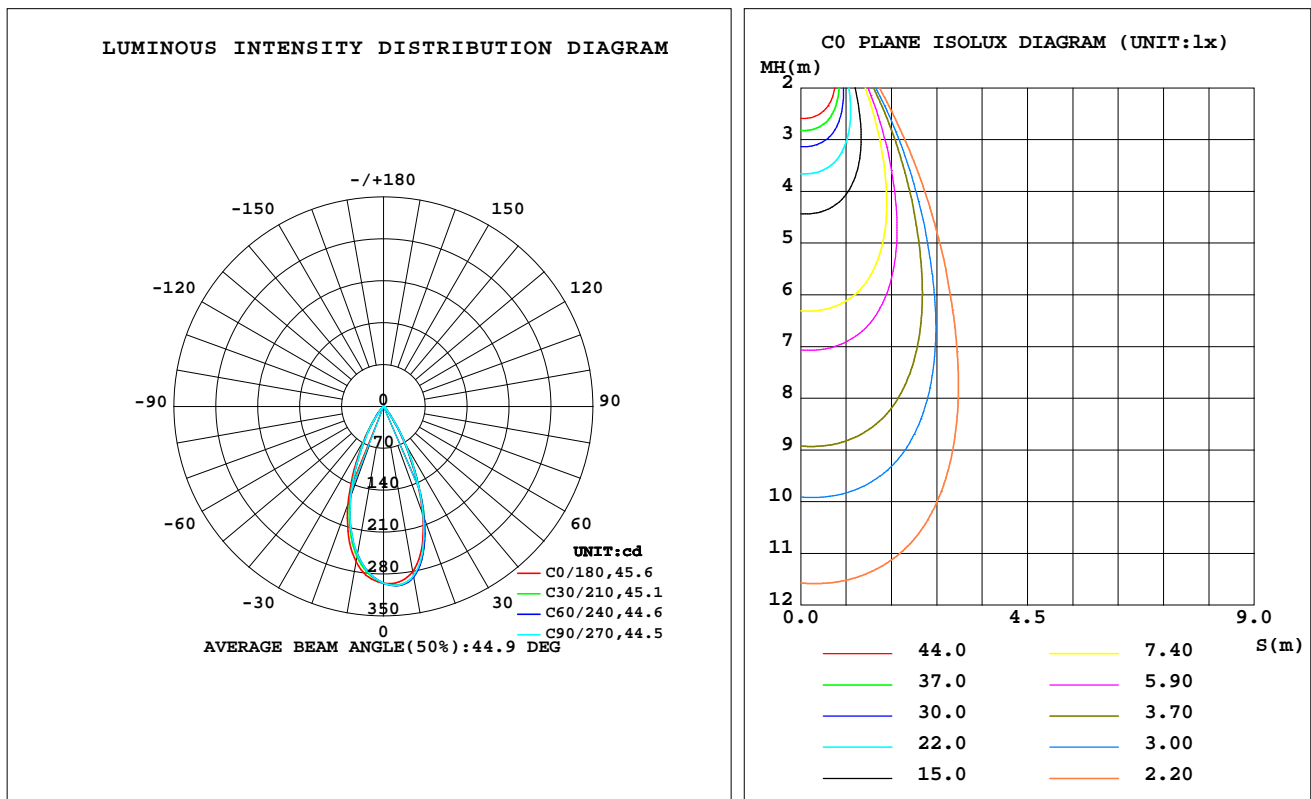
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## LUMINAIRE PHOTOMETRIC TEST REPORT

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz<br>Lamp Flux:209.67x1 lm |                     |                        |
| NAME: 2417.202   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2405040523 |
| MFR.: RISE   | SUR.: 0.000346185m2 | Shielding Angle:       |

| DATA OF LAMP     |           | PHOTOMETRIC DATA Eff: 66.33 lm/W |        |                   |          |
|------------------|-----------|----------------------------------|--------|-------------------|----------|
| MODEL            | Brideglux | I <sub>max</sub> (cd)            | 300.2  | S/MH(C0/180)      | 0.70     |
| NOMINAL POWER(W) | 2.6       | LOR(%)                           | 82.7   | S/MH(C90/270)     | 0.68     |
| RATED VOLTAGE(V) | 24        | TOTAL FLUX(lm)                   | 173.49 | η UP,DN(C0-180)   | 0.0,43.8 |
| NOMINAL FLUX(lm) | 209.67    | CIE CLASS                        | DIRECT | η UP,DN(C180-360) | 0.0,38.9 |
| LAMPS INSIDE     | 1         | η up(%)                          | 0.0    | CIBSE SHR NOM     | 0.75     |
| TEST VOLTAGE(V)  | 24        | η down(%)                        | 82.7   | CIBSE SHR MAX     | 0.75     |



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C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-5-4

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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-AF C10L06 40R  
NO DRIVER:DC24V 700mA  
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       | 280.2                 | 288.7  | 287.5 | 276.6  | 264.1 | 253.2  | 251.3  | 263.3  | 0- 10    | 27.06       | 27.06        | 15.6,12.9 |
| 20       | 191.6                 | 198.8  | 195.2 | 184.7  | 174.1 | 163.0  | 161.4  | 173.7  | 10- 20   | 64.04       | 91.10        | 52.5,43.4 |
| 30       | 71.13                 | 75.38  | 75.13 | 72.13  | 67.15 | 61.93  | 60.89  | 64.96  | 20- 30   | 54.49       | 145.6        | 83.9,69.4 |
| 40       | 12.17                 | 12.98  | 13.02 | 12.73  | 11.83 | 11.31  | 11.21  | 11.72  | 30- 40   | 21.40       | 167.0        | 96.3,79.6 |
| 50       | 2.940                 | 3.127  | 3.223 | 3.112  | 2.755 | 2.646  | 2.670  | 2.809  | 40- 50   | 4.581       | 171.6        | 98.9,81.8 |
| 60       | 1.072                 | 1.094  | 1.082 | 1.159  | 1.055 | 0.9387 | 0.9266 | 0.9644 | 50- 60   | 1.682       | 173.3        | 99.9,82.6 |
| 70       | 0.0000                | 0.0000 | 0     | 0.0000 | 0     | 0.0000 | 0      | 0      | 60- 70   | 0.2389      | 173.5        | 100,82.7  |
| 80       | 0                     | 0      | 0     | 0      | 0     | 0      | 0      | 0      | 70- 80   | 0.0000      | 173.5        | 100,82.7  |
| 90       | 0                     | 0      | 0     | 0      | 0     | 0      | 0      | 0      | 80- 90   | 0           | 173.5        | 100,82.7  |
| 100      | 0                     | 0      | 0     | 0      | 0     | 0      | 0      | 0      | 90-100   | 0           | 173.5        | 100,82.7  |
| 110      | 0                     | 0      | 0     | 0      | 0     | 0      | 0      | 0      | 100-110  | 0           | 173.5        | 100,82.7  |
| 120      | 0                     | 0      | 0     | 0      | 0     | 0      | 0      | 0      | 110-120  | 0           | 173.5        | 100,82.7  |
| 130      | 0                     | 0      | 0     | 0      | 0     | 0      | 0      | 0      | 120-130  | 0           | 173.5        | 100,82.7  |
| 140      | 0                     | 0      | 0     | 0      | 0     | 0      | 0      | 0      | 130-140  | 0           | 173.5        | 100,82.7  |
| 150      | 0                     | 0      | 0     | 0      | 0     | 0      | 0      | 0      | 140-150  | 0           | 173.5        | 100,82.7  |
| 160      | 0                     | 0      | 0     | 0      | 0     | 0      | 0      | 0      | 150-160  | 0           | 173.5        | 100,82.7  |
| 170      | 0                     | 0      | 0     | 0      | 0     | 0      | 0      | 0      | 160-170  | 0           | 173.5        | 100,82.7  |
| 180      | 0                     | 0      | 0     | 0      | 0     | 0      | 0      | 0      | 170-180  | 0           | 173.5        | 100,82.7  |
| DEG      | LUMINOUS INTENSITY:cd |        |       |        |       |        |        |        |          | UNIT:lm     |              |           |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-5-4

$\gamma$  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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-AF C10L06 40R  
NO DRIVER:DC24V 700mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz  
Lamp Flux:209.67x1 lm

NAME: 2417.202

TYPE:

WEIGHT:

SPEC.: 3000K

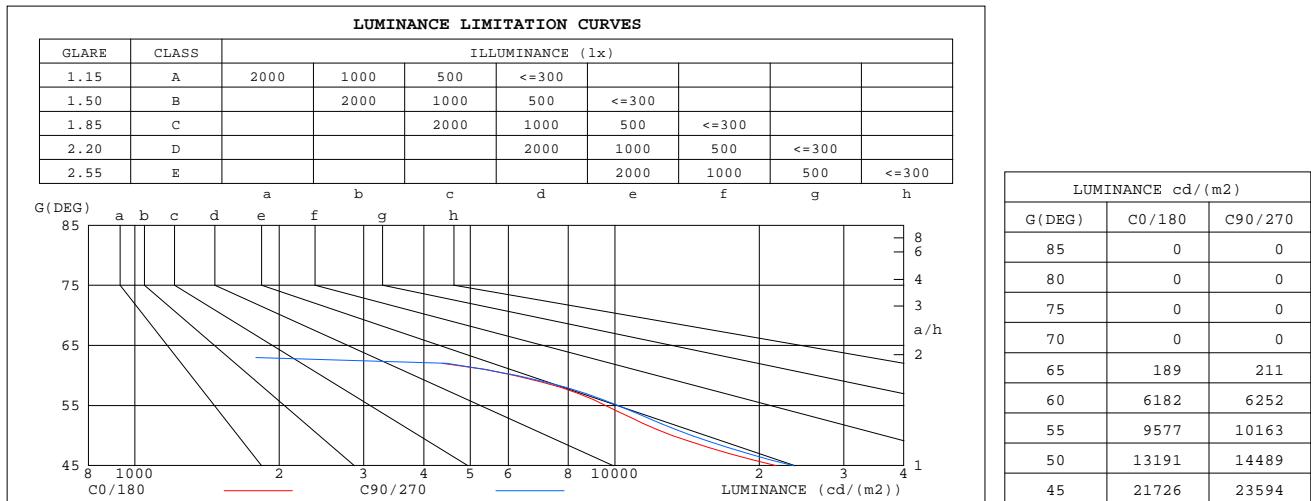
DIM.:

SERIAL No.: 2405040523

MFR.: RISE

SUR.: 0.000346185m2

Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
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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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-AF C10L06 40R  
NO DRIVER:DC24V 700mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz  
Lamp Flux:209.67x1 lm

NAME: 2417.202

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

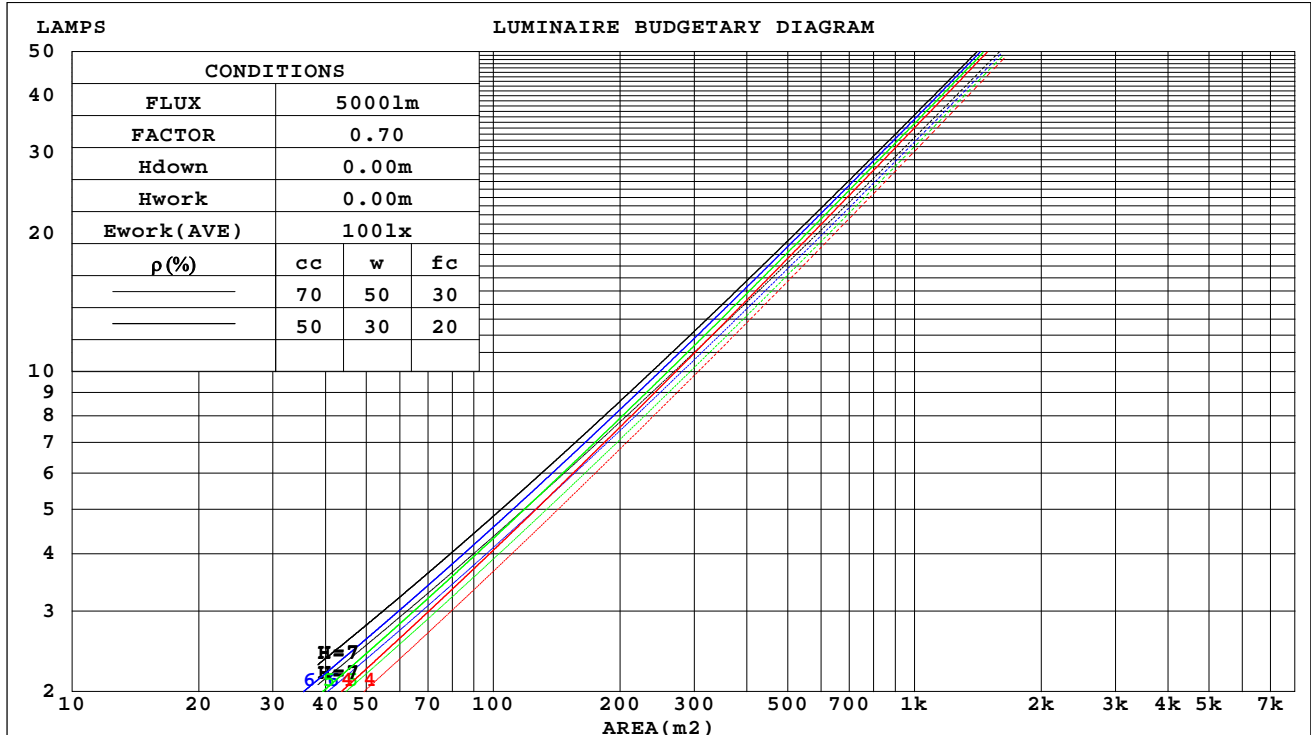
SERIAL No.: 2405040523

MFR.: RISE

SUR.: 0.000346185m2

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 |     |     |     |     |     | Coefficients of Utilization(CU) |     |     |     |     |     |     |     |     |     |
| 0.0         | .99                   | .99 | .99 | .96 | .96 | .96 | .92                             | .92 | .92 | .88 | .88 | .88 | .84 | .84 | .84 | .83 |
| 1.0         | .92                   | .90 | .89 | .91 | .89 | .87 | .87                             | .86 | .85 | .84 | .83 | .82 | .81 | .81 | .80 | .78 |
| 2.0         | .87                   | .84 | .81 | .85 | .83 | .80 | .83                             | .80 | .79 | .80 | .78 | .77 | .78 | .77 | .75 | .74 |
| 3.0         | .82                   | .78 | .75 | .81 | .77 | .74 | .78                             | .76 | .73 | .76 | .74 | .72 | .75 | .73 | .71 | .70 |
| 4.0         | .77                   | .73 | .70 | .76 | .72 | .69 | .74                             | .71 | .69 | .73 | .70 | .68 | .71 | .69 | .67 | .66 |
| 5.0         | .73                   | .69 | .65 | .72 | .68 | .65 | .71                             | .67 | .65 | .69 | .66 | .64 | .68 | .66 | .64 | .62 |
| 6.0         | .69                   | .65 | .62 | .69 | .64 | .61 | .67                             | .64 | .61 | .66 | .63 | .61 | .65 | .62 | .60 | .59 |
| 7.0         | .66                   | .61 | .58 | .65 | .61 | .58 | .64                             | .60 | .58 | .63 | .60 | .57 | .62 | .59 | .57 | .56 |
| 8.0         | .63                   | .58 | .55 | .62 | .58 | .55 | .61                             | .58 | .55 | .60 | .57 | .55 | .60 | .57 | .54 | .53 |
| 9.0         | .60                   | .55 | .52 | .59 | .55 | .52 | .59                             | .55 | .52 | .58 | .54 | .52 | .57 | .54 | .52 | .51 |
| 10.0        | .57                   | .53 | .50 | .57 | .53 | .50 | .56                             | .52 | .50 | .55 | .52 | .50 | .55 | .52 | .49 | .48 |



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Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
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## WEC AND CCEC

|  |                     |                        |
|--|---------------------|------------------------|
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| NAME: 2417.202   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2405040523 |
| MFR.: RISE   | SUR.: 0.000346185m2 | 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 | .074 | .023 | .119                            | .068 | .022 | .109 | .063 | .020 | .100 | .058 | .019 |   |
| 2.0  | .128                  | .070 | .021 | .123 | .068 | .021 | .114                            | .064 | .020 | .106 | .060 | .019 | .099 | .056 | .018 |   |
| 3.0  | .121                  | .064 | .019 | .117 | .063 | .019 | .110                            | .060 | .018 | .103 | .056 | .017 | .097 | .054 | .017 |   |
| 4.0  | .115                  | .060 | .018 | .112 | .058 | .017 | .105                            | .056 | .017 | .100 | .053 | .016 | .094 | .051 | .016 |   |
| 5.0  | .109                  | .056 | .016 | .107 | .055 | .016 | .101                            | .053 | .016 | .096 | .051 | .015 | .091 | .049 | .015 |   |
| 6.0  | .104                  | .052 | .015 | .102 | .051 | .015 | .097                            | .050 | .014 | .093 | .048 | .014 | .089 | .047 | .014 |   |
| 7.0  | .100                  | .049 | .014 | .098 | .049 | .014 | .093                            | .047 | .014 | .090 | .046 | .013 | .086 | .045 | .013 |   |
| 8.0  | .096                  | .047 | .013 | .094 | .046 | .013 | .090                            | .045 | .013 | .086 | .044 | .013 | .083 | .043 | .012 |   |
| 9.0  | .092                  | .044 | .012 | .090 | .044 | .012 | .087                            | .043 | .012 | .084 | .042 | .012 | .081 | .041 | .012 |   |
| 10.0 | .088                  | .042 | .012 | .087 | .042 | .012 | .084                            | .041 | .012 | .081 | .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  | .158                  | .158 | .158 | .135                                       | .135 | .135 | .092 | .092 | .092 | .053 | .053 | .053 | .017 | .017 | .017 |   |
| 1.0  | .141                  | .130 | .121 | .120                                       | .112 | .104 | .082 | .077 | .072 | .047 | .045 | .042 | .015 | .014 | .014 |   |
| 2.0  | .127                  | .110 | .095 | .109                                       | .094 | .082 | .075 | .065 | .057 | .043 | .038 | .034 | .014 | .012 | .011 |   |
| 3.0  | .116                  | .094 | .076 | .100                                       | .081 | .066 | .068 | .056 | .046 | .040 | .033 | .027 | .013 | .011 | .009 |   |
| 4.0  | .107                  | .082 | .062 | .092                                       | .070 | .054 | .063 | .049 | .038 | .037 | .029 | .022 | .012 | .009 | .007 |   |
| 5.0  | .100                  | .072 | .051 | .086                                       | .062 | .044 | .059 | .043 | .031 | .034 | .025 | .019 | .011 | .008 | .006 |   |
| 6.0  | .093                  | .064 | .043 | .080                                       | .055 | .037 | .055 | .039 | .026 | .032 | .023 | .016 | .010 | .007 | .005 |   |
| 7.0  | .088                  | .057 | .036 | .075                                       | .050 | .032 | .052 | .035 | .022 | .030 | .021 | .013 | .010 | .007 | .004 |   |
| 8.0  | .083                  | .052 | .031 | .071                                       | .045 | .027 | .049 | .032 | .019 | .029 | .019 | .011 | .009 | .006 | .004 |   |
| 9.0  | .079                  | .048 | .027 | .068                                       | .041 | .024 | .047 | .029 | .017 | .027 | .017 | .010 | .009 | .006 | .003 |   |
| 10.0 | .075                  | .044 | .024 | .064                                       | .038 | .021 | .045 | .027 | .015 | .026 | .016 | .009 | .008 | .005 | .003 |   |

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Humidity:65.0%  
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LENS:LL01ZZ-AF C10L06 40R  
NO DRIVER:DC24V 700mA  
30minutes warm-up

## UGR(Unified Glare Rating) Table

|  |                  |      |      |      |                     |                |      |                        |      |      |
|--|------------------|------|------|------|---------------------|----------------|------|------------------------|------|------|
| Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz<br>Lamp Flux:209.67x1 lm |                  |      |      |      |                     |                |      |                        |      |      |
| NAME: 2417.202   |                  |      |      |      | TYPE:               |                |      | WEIGHT:                |      |      |
| SPEC.: 3000K   |                  |      |      |      | DIM.:               |                |      | SERIAL No.: 2405040523 |      |      |
| MFR.: RISE   |                  |      |      |      | SUR.: 0.000346185m2 |                |      | 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  | 24.1             | 24.9 | 24.3 | 25.1 | 25.3                | 24.4           | 25.2 | 24.6                   | 25.4 | 25.6 |
| 3H   | 23.9             | 24.7 | 24.2 | 24.9 | 25.1                | 24.2           | 25.0 | 24.5                   | 25.2 | 25.4 |
| 4H   | 23.8             | 24.6 | 24.1 | 24.8 | 25.0                | 24.1           | 24.9 | 24.4                   | 25.1 | 25.3 |
| 6H   | 23.8             | 24.4 | 24.0 | 24.7 | 24.9                | 24.1           | 24.7 | 24.3                   | 25.0 | 25.2 |
| 8H   | 23.7             | 24.4 | 24.0 | 24.6 | 24.9                | 24.0           | 24.7 | 24.3                   | 24.9 | 25.2 |
| 12H  | 23.7             | 24.3 | 24.0 | 24.6 | 24.8                | 24.0           | 24.6 | 24.3                   | 24.9 | 25.1 |
| 4H 2H  | 23.9             | 24.6 | 24.1 | 24.8 | 25.0                | 24.2           | 24.9 | 24.4                   | 25.1 | 25.3 |
| 3H   | 23.7             | 24.3 | 24.0 | 24.6 | 24.9                | 24.0           | 24.6 | 24.3                   | 24.9 | 25.2 |
| 4H   | 23.6             | 24.2 | 23.9 | 24.5 | 24.8                | 23.9           | 24.5 | 24.2                   | 24.8 | 25.1 |
| 6H   | 23.5             | 24.0 | 23.9 | 24.3 | 24.7                | 23.8           | 24.3 | 24.2                   | 24.6 | 25.0 |
| 8H   | 23.4             | 23.9 | 23.8 | 24.3 | 24.6                | 23.7           | 24.2 | 24.1                   | 24.6 | 24.9 |
| 12H  | 23.4             | 23.8 | 23.8 | 24.2 | 24.6                | 23.7           | 24.1 | 24.1                   | 24.5 | 24.9 |
| 8H 4H  | 23.4             | 23.9 | 23.8 | 24.3 | 24.6                | 23.7           | 24.2 | 24.1                   | 24.6 | 24.9 |
| 6H   | 23.3             | 23.7 | 23.8 | 24.1 | 24.5                | 23.6           | 24.0 | 24.1                   | 24.4 | 24.8 |
| 8H   | 23.3             | 23.6 | 23.7 | 24.0 | 24.5                | 23.6           | 23.9 | 24.0                   | 24.3 | 24.8 |
| 12H  | 23.2             | 23.5 | 23.7 | 24.0 | 24.4                | 23.5           | 23.8 | 24.0                   | 24.3 | 24.7 |
| 12H 4H   | 23.4             | 23.8 | 23.8 | 24.2 | 24.6                | 23.7           | 24.1 | 24.1                   | 24.5 | 24.9 |
| 6H   | 23.3             | 23.6 | 23.7 | 24.0 | 24.5                | 23.6           | 23.9 | 24.0                   | 24.3 | 24.8 |
| 8H   | 23.2             | 23.5 | 23.7 | 24.0 | 24.4                | 23.5           | 23.8 | 24.0                   | 24.3 | 24.7 |
| Variations with the observer position at spacings(CIE Pub.117):                    |                  |      |      |      |                     |                |      |                        |      |      |
| S = 1.0H   | + 3.5 / - 7.5    |      |      |      |                     | + 3.7 / - 7.8  |      |                        |      |      |
| 1.5H   | + 5.5 / - 5.1    |      |      |      |                     | + 5.8 / - 5.2  |      |                        |      |      |
| 2.0H   | + 4.0 / -22.5    |      |      |      |                     | + 4.4 / -22.4  |      |                        |      |      |

CIE Pub.117, 209.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.4)  
Area: 0.000346185 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-5-4

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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-AF C10L06 40R  
NO DRIVER:DC24V 700mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz<br>Lamp Flux:209.67x1 lm |                     |                        |
| NAME: 2417.202   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2405040523 |
| MFR.: RISE   | SUR.: 0.000346185m2 | Shielding Angle:       |

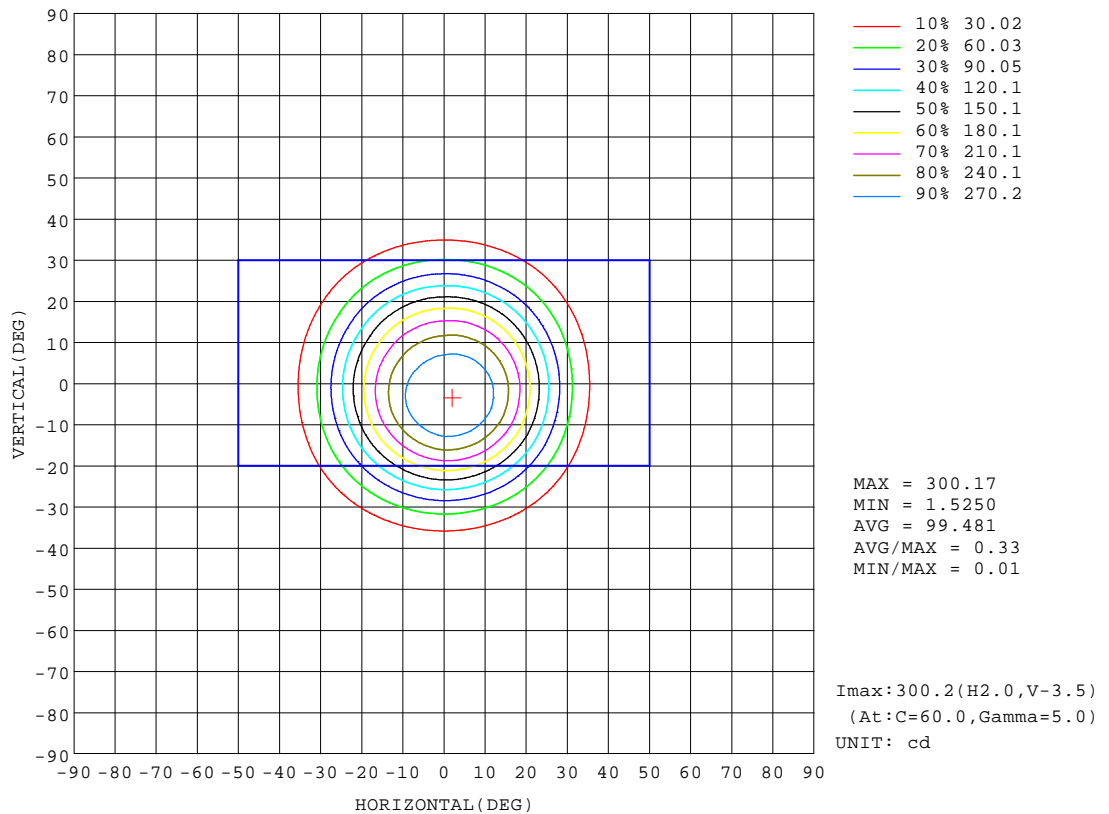
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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                         | 74  | 69  | 66        | 73  | 69  | 66  | 73  | 68            | 66  | 63     |
| 0.80                             | 80  | 75  | 72        | 79  | 75  | 72  | 78  | 74            | 72  | 69     |
| 1.00                             | 83  | 79  | 76        | 83  | 78  | 76  | 81  | 78            | 75  | 72     |
| 1.25                             | 86  | 82  | 80        | 85  | 82  | 79  | 84  | 81            | 79  | 75     |
| 1.50                             | 88  | 85  | 82        | 87  | 84  | 82  | 86  | 83            | 81  | 77     |
| 2.00                             | 90  | 87  | 85        | 89  | 86  | 84  | 87  | 85            | 83  | 79     |
| 2.50                             | 92  | 89  | 86        | 90  | 88  | 86  | 88  | 86            | 84  | 79     |
| 3.00                             | 93  | 90  | 88        | 91  | 89  | 87  | 89  | 87            | 85  | 80     |
| 4.00                             | 95  | 92  | 91        | 93  | 91  | 90  | 90  | 88            | 87  | 81     |
| 5.00                             | 95  | 94  | 92        | 94  | 92  | 91  | 90  | 89            | 88  | 82     |
| 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:2024-5-4

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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-AF C10L06 40R  
NO DRIVER:DC24V 700mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz<br>Lamp Flux:209.67x1 lm |                     |                        |
| NAME: 2417.202   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2405040523 |
| MFR.: RISE   | SUR.: 0.000346185m2 | Shielding Angle:       |

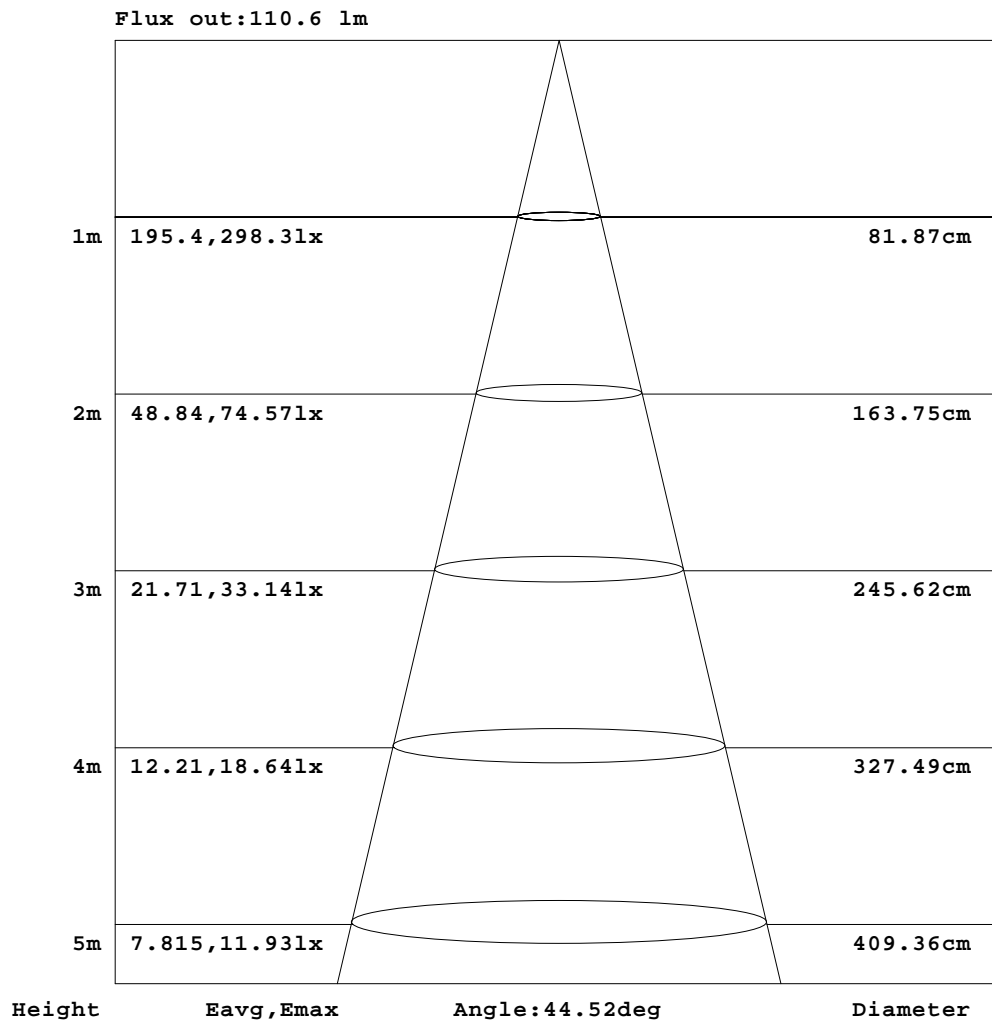


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-5-4

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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-AF C10L06 40R  
NO DRIVER:DC24V 700mA  
30minutes warm-up

## AAI Figure

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz<br>Lamp Flux:209.67x1 lm |                     |                        |
| NAME: 2417.202   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2405040523 |
| MFR.: RISE   | SUR.: 0.000346185m2 | Shielding Angle:       |



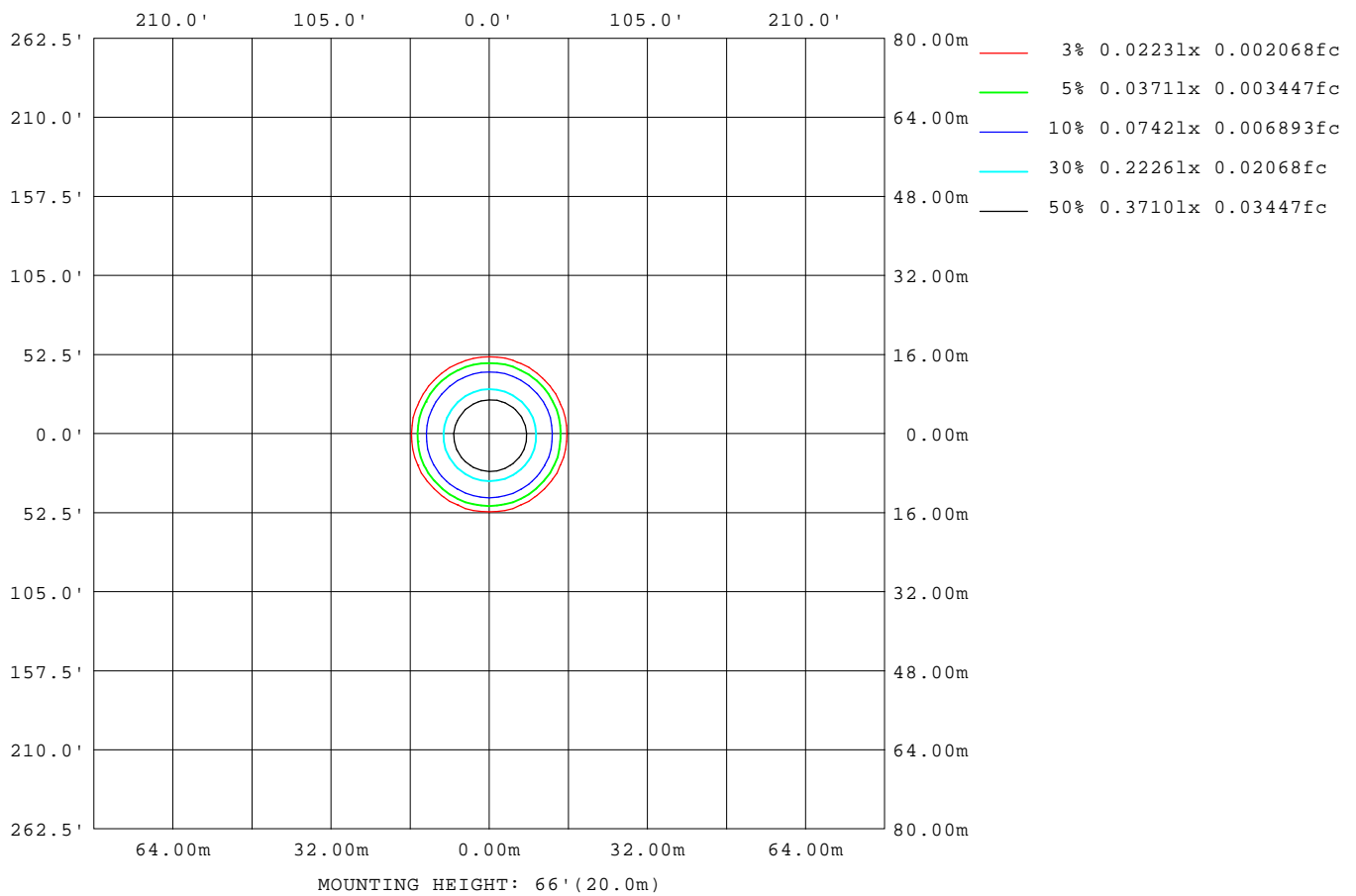
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-5-4

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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-AF C10L06 40R  
NO DRIVER:DC24V 700mA  
30minutes warm-up

## ISOLUX DIAGRAM

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz<br>Lamp Flux:209.67x1 lm |                     |                        |
| NAME: 2417.202   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2405040523 |
| MFR.: RISE   | SUR.: 0.000346185m2 | Shielding Angle:       |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-5-4

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: BXRE-30G-11H-3A-00-0-0 Ra: 90  
LENS: LL01ZZ-AF C10L06 40R  
NO DRIVER: DC24V 700mA  
30minutes warm-up

### LED Avg.L Report

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz<br>Lamp Flux:209.67x1 lm |                     |                        |
| NAME: 2417.202   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2405040523 |
| MFR.: RISE   | SUR.: 0.000346185m2 | Shielding Angle:       |

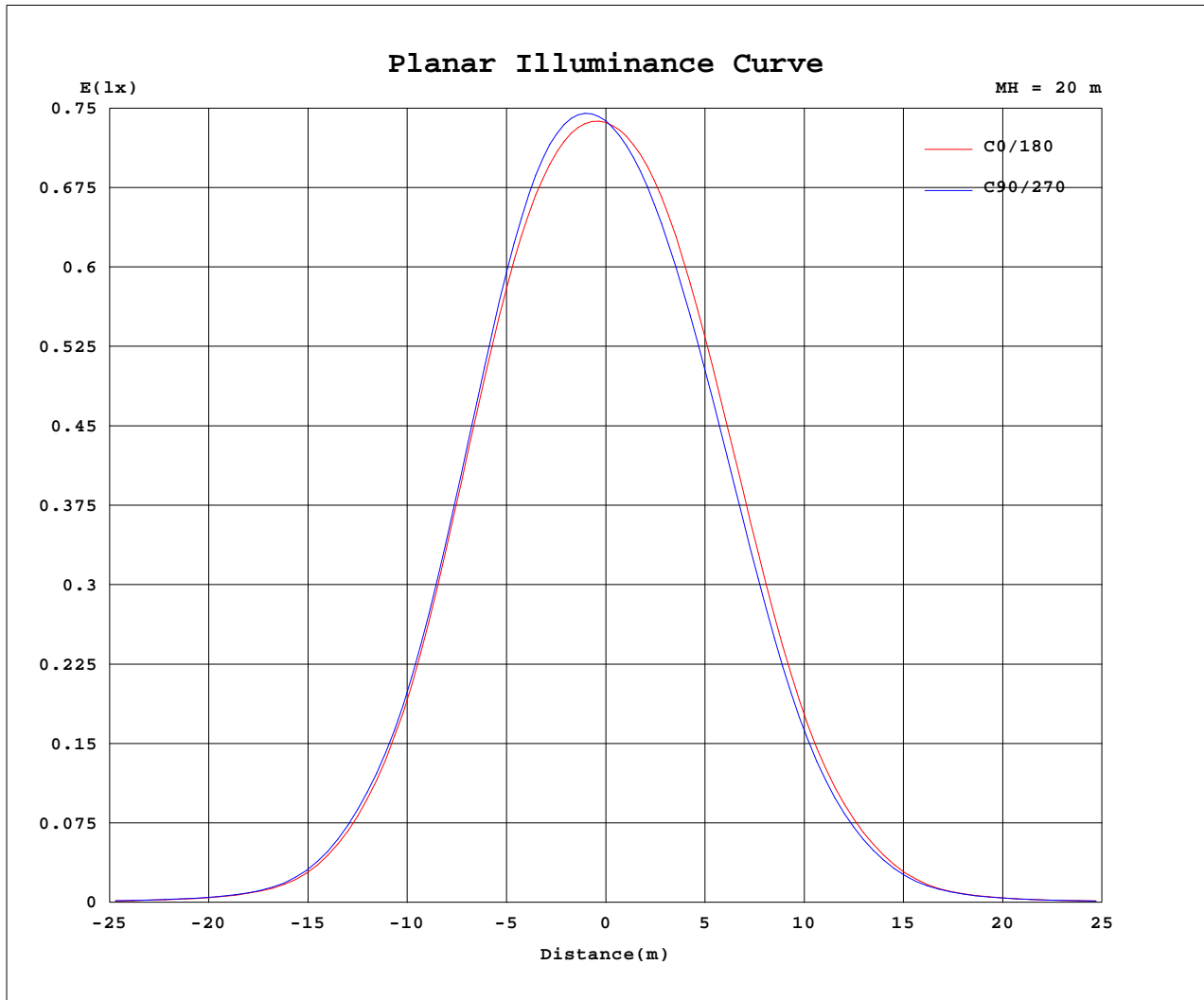
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 200   |
| L_0~180(75)av  | 0     |
| L_0~180(85)av  | 0     |
| L_90~270(65)av | 212   |
| L_90~270(75)av | 0     |
| L_90~270(85)av | 0     |
| L_45(65)av     | 207   |
| L_45(75)av     | 0     |
| L_45(85)av     | 0     |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-5-4

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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-AF C10L06 40R  
NO DRIVER:DC24V 700mA  
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: 2024-5-4

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: BXRE-30G-11H-3A-00-0-0 Ra: 90  
 LENS: LL01ZZ-AF C10L06 40R  
 NO DRIVER: DC24V 700mA  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                     |                        |
|--|---------------------|------------------------|
| Test:U:23.998V I:0.1090A P:2.6158W PF:1.0000 Freq:49.99Hz<br>Lamp Flux:209.67x1 lm |                     |                        |
| NAME: 2417.202   | TYPE:               | WEIGHT:                |
| SPEC.: 3000K   | DIM.:               | SERIAL No.: 2405040523 |
| MFR.: RISE   | SUR.: 0.000346185m2 | Shielding Angle:       |

Table--1

UNIT: cd

| C(DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0                 | 295  | 295  | 295  | 295  | 295  | 295  | 295  | 295  | 295  | 295  | 295  | 295  |  |  |  |  |  |  |
| 5                 | 294  | 299  | 300  | 300  | 296  | 292  | 286  | 281  | 279  | 279  | 283  | 288  |  |  |  |  |  |  |
| 10                | 280  | 288  | 289  | 287  | 280  | 273  | 264  | 255  | 251  | 251  | 258  | 268  |  |  |  |  |  |  |
| 15                | 246  | 255  | 255  | 252  | 243  | 235  | 226  | 216  | 212  | 212  | 220  | 233  |  |  |  |  |  |  |
| 20                | 192  | 199  | 198  | 195  | 188  | 181  | 174  | 165  | 161  | 161  | 168  | 179  |  |  |  |  |  |  |
| 25                | 126  | 132  | 131  | 130  | 125  | 121  | 116  | 109  | 107  | 107  | 111  | 118  |  |  |  |  |  |  |
| 30                | 71.1 | 75.0 | 75.7 | 75.1 | 73.2 | 71.1 | 67.1 | 62.6 | 61.3 | 60.9 | 62.9 | 67.0 |  |  |  |  |  |  |
| 35                | 32.6 | 34.7 | 35.3 | 35.3 | 35.0 | 34.8 | 32.6 | 30.4 | 29.7 | 29.2 | 30.1 | 31.4 |  |  |  |  |  |  |
| 40                | 12.2 | 12.9 | 13.1 | 13.0 | 12.8 | 12.7 | 11.8 | 11.4 | 11.3 | 11.2 | 11.5 | 11.9 |  |  |  |  |  |  |
| 45                | 5.33 | 5.64 | 5.70 | 5.77 | 5.59 | 5.50 | 5.09 | 4.91 | 4.87 | 4.91 | 5.11 | 5.24 |  |  |  |  |  |  |
| 50                | 2.94 | 3.11 | 3.15 | 3.22 | 3.14 | 3.09 | 2.76 | 2.65 | 2.64 | 2.67 | 2.78 | 2.83 |  |  |  |  |  |  |
| 55                | 1.90 | 2.01 | 1.99 | 2.02 | 2.04 | 1.99 | 1.76 | 1.67 | 1.66 | 1.70 | 1.74 | 1.80 |  |  |  |  |  |  |
| 60                | 1.07 | 1.14 | 1.05 | 1.08 | 1.18 | 1.14 | 1.06 | 0.95 | 0.92 | 0.93 | 0.94 | 0.98 |  |  |  |  |  |  |
| 65                | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |  |  |  |  |  |  |
| 70                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 75                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 80                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 85                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 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:2024-5-4

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:BXRE-30G-11H-3A-00-0-0 Ra:90  
LENS:LL01ZZ-AF C10L06 40R  
NO DRIVER:DC24V 700mA  
30minutes warm-up