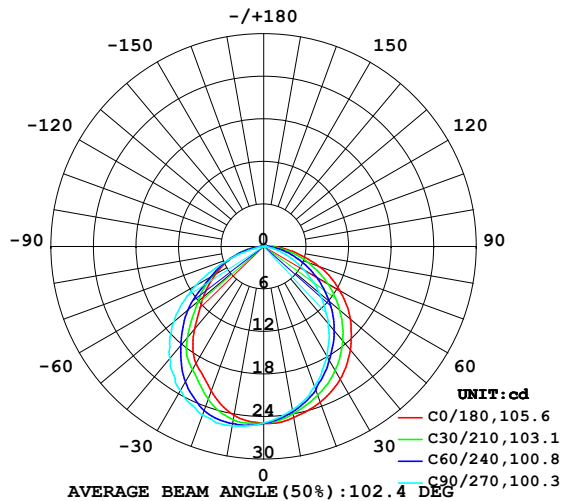


## LUMINAIRE PHOTOMETRIC TEST REPORT

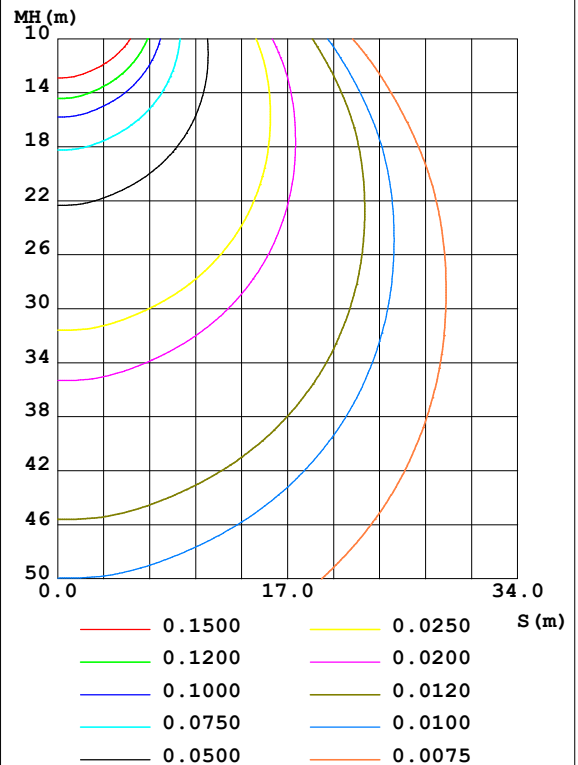
|   |              |                  |
|---|--------------|------------------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:50.00Hz Lamp Flux:0.958602x70 lm |              |                  |
| NAME: P01-24V-5050-70-SPI-RGBW(3000K)-B   | TYPE:        | WEIGHT:          |
| SPEC.:  | DIM.:        | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.:1*0.014 | Shielding Angle: |

| DATA OF LAMP     |          | PHOTOMETRIC DATA Eff: 11.79 lm/W |        |                   |          |
|------------------|----------|----------------------------------|--------|-------------------|----------|
| MODEL            | 5050     | I <sub>max</sub> (cd)            | 25.76  | S/MH(C0/180)      | 1.15     |
| NOMINAL POWER(W) | 12       | LOR(%)                           | 100.0  | S/MH(C90/270)     | 1.38     |
| RATED VOLTAGE(V) | 24       | TOTAL FLUX(lm)                   | 67.102 | η UP,DN(C0-180)   | 0.8,45.3 |
| NOMINAL FLUX(lm) | 0.958602 | CIE CLASS                        | DIRECT | η UP,DN(C180-360) | 0.4,53.5 |
| LAMPS INSIDE     | 70       | η up(%)                          | 1.2    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 24       | η down(%)                        | 98.8   | CIBSE SHR MAX     | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-10-20

γ Range: 0 - 120DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 24.50                 | 23.83  | 23.42  | 23.53  | 24.18  | 25.10  | 25.69  | 25.42  | 0- 10    | 2.359       | 2.359        | 3.52,3.52  |
| 20       | 23.38                 | 21.93  | 21.00  | 21.02  | 21.69  | 23.78  | 25.27  | 24.76  | 10- 20   | 6.710       | 9.069        | 13.5,13.5  |
| 30       | 21.61                 | 19.36  | 17.92  | 17.80  | 19.10  | 21.09  | 23.49  | 23.39  | 20- 30   | 9.999       | 19.07        | 28.4,28.4  |
| 40       | 19.02                 | 16.42  | 14.18  | 14.08  | 15.20  | 17.46  | 20.62  | 21.20  | 30- 40   | 11.87       | 30.94        | 46.1,46.1  |
| 50       | 15.97                 | 13.05  | 10.32  | 10.03  | 11.16  | 13.06  | 16.57  | 17.93  | 40- 50   | 11.88       | 42.82        | 63.8,63.8  |
| 60       | 12.35                 | 9.491  | 6.475  | 6.380  | 7.832  | 8.553  | 11.05  | 13.93  | 50- 60   | 10.31       | 53.13        | 79.2,79.2  |
| 70       | 8.352                 | 5.930  | 3.219  | 3.709  | 4.867  | 5.013  | 4.905  | 9.156  | 60- 70   | 7.549       | 60.68        | 90.4,90.4  |
| 80       | 4.124                 | 2.776  | 0.8428 | 1.450  | 2.033  | 1.824  | 0.6352 | 4.440  | 70- 80   | 4.201       | 64.88        | 96.7,96.7  |
| 90       | 1.269                 | 0.6934 | 0.2011 | 0.3695 | 0.2457 | 0.1988 | 0.0503 | 0.9905 | 80- 90   | 1.403       | 66.28        | 98.8,98.8  |
| 100      | 0.2364                | 0.3141 | 0.2464 | 0.3644 | 0.1709 | 0.1583 | 0.0503 | 0.1635 | 90-100   | 0.3391      | 66.62        | 99.3,99.3  |
| 110      | 0.2161                | 0.2990 | 0.2764 | 0.3542 | 0.2011 | 0.1809 | 0.0653 | 0.1558 | 100-110  | 0.2361      | 66.86        | 99.6,99.6  |
| 120      | 0.2161                | 0.3015 | 0.3015 | 0.3619 | 0.2061 | 0.2010 | 0.1256 | 0.1432 | 110-120  | 0.2354      | 67.09        | 100,100    |
| 130      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 120-130  | 0.0113      | 67.10        | 100,100    |
| 140      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 130-140  | 0           | 67.10        | 100,100    |
| 150      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 140-150  | 0           | 67.10        | 100,100    |
| 160      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 150-160  | 0           | 67.10        | 100,100    |
| 170      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 160-170  | 0           | 67.10        | 100,100    |
| 180      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 170-180  | 0           | 67.10        | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 36.983 lm

%lum = 55.1%

%lamp = 55.1%

Conical surface Flux(120deg): 53.127 lm

%lum = 79.2%

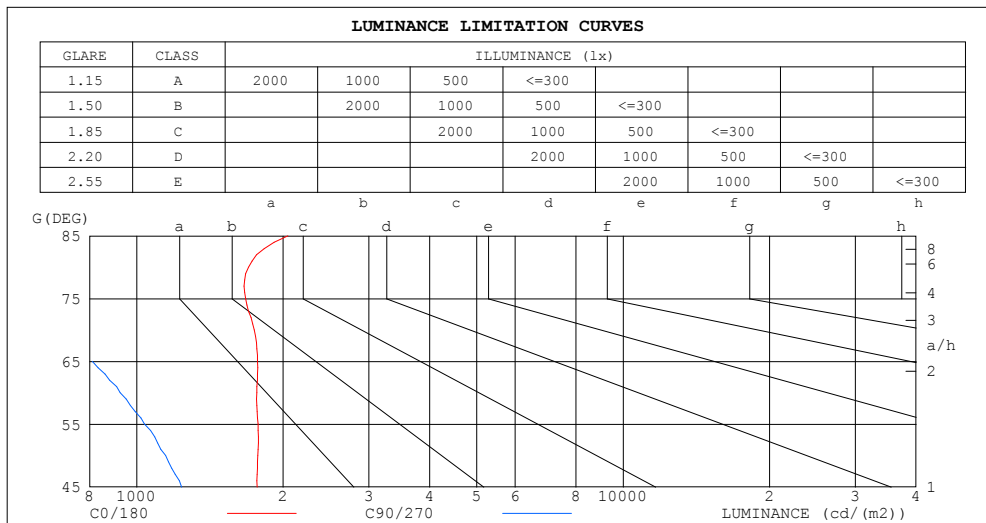
%lamp = 79.2%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-10-20

$\gamma$  Range: 0 - 120DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|   |              |                  |
|---|--------------|------------------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:50.00Hz Lamp Flux:0.958602x70 lm |              |                  |
| NAME: P01-24V-5050-70-SPI-RGBW(3000K)-B   | TYPE:        | WEIGHT:          |
| SPEC.:  | DIM.:        | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.:1*0.014 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 2046   | 218     |
| 80                | 1697   | 347     |
| 75                | 1674   | 515     |
| 70                | 1744   | 672     |
| 65                | 1771   | 811     |
| 60                | 1765   | 925     |
| 55                | 1775   | 1037    |
| 50                | 1775   | 1147    |
| 45                | 1767   | 1237    |

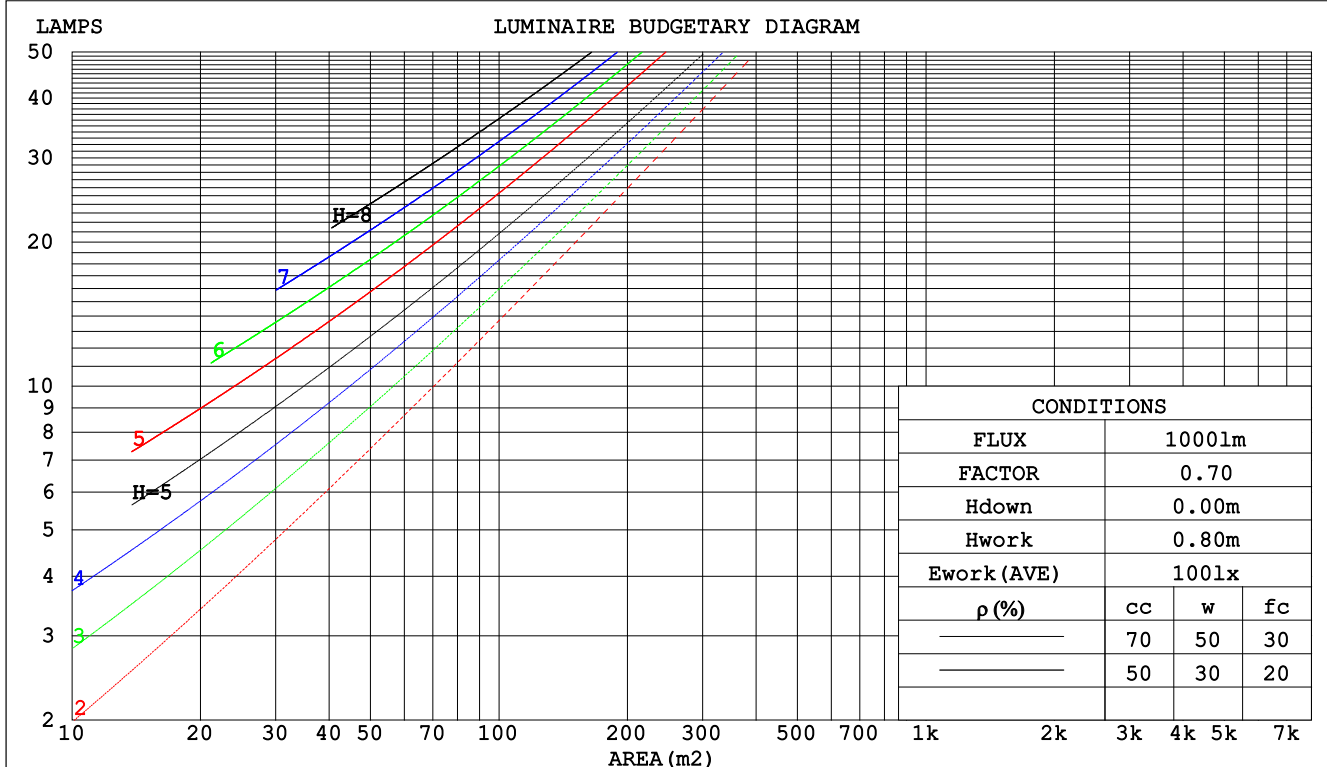
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-10-20

γ Range: 0 - 120DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |              |                  |
|---|--------------|------------------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:50.00Hz Lamp Flux:0.958602x70 lm |              |                  |
| NAME: P01-24V-5050-70-SPI-RGBW(3000K)-B   | TYPE:        | WEIGHT:          |
| SPEC.:  | DIM.:        | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.:1*0.014 | 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 |      |      |      |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |     |
| 0.0  | 1.19                  | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.10                            | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0  | 1.04                  | .00  | .96  | 1.01 | .98  | .94  | .97                             | .94  | .91  | .93  | .90  | .88  | .89  | .87  | .85  | .83 |
| 2.0  | .91                   | .84  | .78  | .89  | .83  | .77  | .85                             | .80  | .75  | .82  | .77  | .73  | .78  | .75  | .72  | .69 |
| 3.0  | .80                   | .72  | .65  | .78  | .71  | .65  | .75                             | .69  | .63  | .72  | .67  | .62  | .69  | .65  | .61  | .59 |
| 4.0  | .71                   | .62  | .56  | .70  | .61  | .55  | .67                             | .60  | .54  | .64  | .58  | .53  | .62  | .57  | .53  | .50 |
| 5.0  | .64                   | .55  | .48  | .62  | .54  | .48  | .60                             | .53  | .47  | .58  | .52  | .46  | .56  | .50  | .46  | .44 |
| 6.0  | .57                   | .48  | .42  | .56  | .48  | .42  | .54                             | .47  | .41  | .53  | .46  | .41  | .51  | .45  | .40  | .38 |
| 7.0  | .52                   | .43  | .37  | .51  | .43  | .37  | .49                             | .42  | .37  | .48  | .41  | .36  | .46  | .41  | .36  | .34 |
| 8.0  | .47                   | .39  | .33  | .47  | .39  | .33  | .45                             | .38  | .33  | .44  | .37  | .33  | .43  | .37  | .32  | .30 |
| 9.0  | .44                   | .35  | .30  | .43  | .35  | .30  | .42                             | .35  | .30  | .41  | .34  | .29  | .39  | .34  | .29  | .27 |
| 10.0 | .40                   | .32  | .27  | .40  | .32  | .27  | .39                             | .32  | .27  | .38  | .31  | .27  | .37  | .31  | .27  | .25 |



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-10-20

γ Range: 0 - 120DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

### WEC AND CCEC

|   |  |  |              |  |                  |
|---|--|--|--------------|--|------------------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:50.00Hz Lamp Flux:0.958602x70 lm |  |  |              |  |                  |
| NAME: P01-24V-5050-70-SPI-RGBW(3000K)-B   |  |  | TYPE:        |  | WEIGHT:          |
| SPEC.:  |  |  | DIM.:        |  | SERIAL No.:      |
| MFR.: EVERFINE  |  |  | SUR.:1*0.014 |  | 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  | .304                  | .173 | .055 | .297 | .169 | .054 | .283                            | .162 | .052 | .270 | .156 | .050 | .258 | .150 | .048 |   |  |
| 2.0  | .286                  | .157 | .048 | .279 | .154 | .047 | .267                            | .148 | .046 | .255 | .143 | .045 | .245 | .139 | .044 |   |  |
| 3.0  | .264                  | .141 | .042 | .259 | .139 | .042 | .248                            | .134 | .041 | .238 | .130 | .040 | .228 | .126 | .039 |   |  |
| 4.0  | .244                  | .127 | .037 | .239 | .125 | .037 | .230                            | .122 | .036 | .221 | .118 | .036 | .212 | .115 | .035 |   |  |
| 5.0  | .226                  | .115 | .033 | .222 | .114 | .033 | .213                            | .111 | .033 | .205 | .108 | .032 | .198 | .106 | .032 |   |  |
| 6.0  | .210                  | .105 | .030 | .206 | .104 | .030 | .198                            | .102 | .030 | .191 | .099 | .029 | .184 | .097 | .029 |   |  |
| 7.0  | .196                  | .097 | .027 | .192 | .096 | .027 | .185                            | .094 | .027 | .179 | .092 | .027 | .173 | .090 | .026 |   |  |
| 8.0  | .183                  | .089 | .025 | .180 | .089 | .025 | .174                            | .087 | .025 | .168 | .085 | .025 | .162 | .083 | .024 |   |  |
| 9.0  | .172                  | .083 | .023 | .169 | .082 | .023 | .163                            | .081 | .023 | .158 | .079 | .023 | .153 | .078 | .022 |   |  |
| 10.0 | .162                  | .077 | .022 | .159 | .077 | .021 | .154                            | .075 | .021 | .149 | .074 | .021 | .145 | .073 | .021 |   |  |

| 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  | .200                  | .200 | .200 | .171                                       | .171 | .171 | .117 | .117 | .117 | .067 | .067 | .067 | .021 | .021 | .021 |   |
| 1.0  | .189                  | .166 | .144 | .162                                       | .142 | .124 | .111 | .098 | .086 | .064 | .057 | .050 | .020 | .018 | .016 |   |
| 2.0  | .181                  | .141 | .108 | .155                                       | .122 | .094 | .106 | .084 | .065 | .061 | .049 | .038 | .020 | .016 | .012 |   |
| 3.0  | .173                  | .124 | .085 | .148                                       | .107 | .073 | .102 | .074 | .051 | .059 | .043 | .030 | .019 | .014 | .010 |   |
| 4.0  | .165                  | .110 | .069 | .142                                       | .095 | .060 | .098 | .067 | .042 | .056 | .039 | .025 | .018 | .013 | .008 |   |
| 5.0  | .158                  | .100 | .057 | .136                                       | .087 | .050 | .093 | .060 | .035 | .054 | .035 | .021 | .017 | .012 | .007 |   |
| 6.0  | .151                  | .092 | .049 | .130                                       | .079 | .043 | .089 | .056 | .030 | .052 | .033 | .018 | .017 | .011 | .006 |   |
| 7.0  | .144                  | .085 | .043 | .124                                       | .073 | .038 | .086 | .051 | .027 | .050 | .030 | .016 | .016 | .010 | .005 |   |
| 8.0  | .138                  | .079 | .039 | .118                                       | .068 | .034 | .082 | .048 | .024 | .048 | .028 | .014 | .015 | .009 | .005 |   |
| 9.0  | .132                  | .074 | .035 | .113                                       | .064 | .031 | .079 | .045 | .022 | .046 | .027 | .013 | .015 | .009 | .004 |   |
| 10.0 | .126                  | .070 | .032 | .109                                       | .061 | .028 | .075 | .043 | .020 | .044 | .025 | .012 | .014 | .008 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-10-20

γ Range: 0 - 120DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|   |               |                  |      |      |      |               |                |                  |      |      |      |
|---|---------------|------------------|------|------|------|---------------|----------------|------------------|------|------|------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:50.00Hz Lamp Flux:0.958602x70 lm |               |                  |      |      |      |               |                |                  |      |      |      |
| NAME: P01-24V-5050-70-SPI-RGBW(3000K)-B   |               |                  |      |      |      | TYPE:         |                | WEIGHT:          |      |      |      |
| SPEC.:  |               |                  |      |      |      | DIM.:         |                | SERIAL No.:      |      |      |      |
| MFR.: EVERFINE  |               |                  |      |      |      | SUR.:1*0.014  |                | 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   | 24.2          | 25.7             | 24.5 | 25.9 | 26.1 | 22.0          | 23.5           | 22.3             | 23.7 | 24.0 |      |
|   | 3H            | 26.0             | 27.4 | 26.3 | 27.6 | 27.9          | 23.0           | 24.4             | 23.3 | 24.7 | 24.9 |
|   | 4H            | 26.8             | 28.1 | 27.1 | 28.4 | 28.6          | 23.3           | 24.6             | 23.7 | 24.9 | 25.2 |
|   | 6H            | 27.4             | 28.7 | 27.8 | 28.9 | 29.3          | 23.4           | 24.7             | 23.8 | 25.0 | 25.3 |
|   | 8H            | 27.7             | 28.9 | 28.1 | 29.2 | 29.5          | 23.4           | 24.6             | 23.8 | 24.9 | 25.2 |
|   | 12H           | 28.0             | 29.1 | 28.3 | 29.4 | 29.8          | 23.4           | 24.5             | 23.8 | 24.9 | 25.2 |
| 4H  | 2H            | 24.6             | 25.9 | 24.9 | 26.2 | 26.4          | 22.9           | 24.2             | 23.3 | 24.5 | 24.8 |
|   | 3H            | 26.6             | 27.7 | 27.0 | 28.0 | 28.4          | 24.2           | 25.3             | 24.5 | 25.6 | 26.0 |
|   | 4H            | 27.5             | 28.5 | 27.9 | 28.9 | 29.2          | 24.6           | 25.7             | 25.0 | 26.0 | 26.4 |
|   | 6H            | 28.3             | 29.2 | 28.7 | 29.6 | 30.0          | 24.9           | 25.8             | 25.3 | 26.2 | 26.5 |
|   | 8H            | 28.7             | 29.5 | 29.1 | 29.9 | 30.3          | 24.9           | 25.8             | 25.3 | 26.1 | 26.6 |
|   | 12H           | 29.0             | 29.8 | 29.5 | 30.2 | 30.7          | 24.9           | 25.7             | 25.4 | 26.1 | 26.5 |
| 8H  | 4H            | 27.7             | 28.5 | 28.1 | 28.9 | 29.3          | 25.1           | 26.0             | 25.6 | 26.4 | 26.8 |
|   | 6H            | 28.6             | 29.4 | 29.1 | 29.8 | 30.2          | 25.6           | 26.3             | 26.1 | 26.7 | 27.2 |
|   | 8H            | 29.1             | 29.8 | 29.6 | 30.2 | 30.7          | 25.7           | 26.4             | 26.2 | 26.8 | 27.3 |
|   | 12H           | 29.6             | 30.2 | 30.1 | 30.6 | 31.1          | 25.8           | 26.4             | 26.3 | 26.8 | 27.3 |
| 12H   | 4H            | 27.6             | 28.4 | 28.1 | 28.8 | 29.3          | 25.2           | 26.0             | 25.7 | 26.4 | 26.9 |
|   | 6H            | 28.7             | 29.3 | 29.2 | 29.8 | 30.2          | 25.8           | 26.4             | 26.2 | 26.8 | 27.3 |
|   | 8H            | 29.2             | 29.8 | 29.7 | 30.2 | 30.7          | 26.0           | 26.5             | 26.5 | 27.0 | 27.5 |
| Variations with the observer position at spacings:                              |               |                  |      |      |      |               |                |                  |      |      |      |
| S = 1.0H  | + 0.1 / - 0.1 |                  |      |      |      | + 0.2 / - 0.3 |                |                  |      |      |      |
| 1.5H  | + 0.2 / - 0.2 |                  |      |      |      | + 0.3 / - 0.5 |                |                  |      |      |      |
| 2.0H  | + 0.2 / - 0.4 |                  |      |      |      | + 0.3 / - 0.7 |                |                  |      |      |      |

CIE Pub.117, 67.10 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -9.4)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-10-20

γ Range: 0 - 120DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|   |              |                  |
|---|--------------|------------------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:50.00Hz Lamp Flux:0.958602x70 lm |              |                  |
| NAME: P01-24V-5050-70-SPI-RGBW(3000K)-B   | TYPE:        | WEIGHT:          |
| SPEC.:  | DIM.:        | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.:1*0.014 | Shielding Angle: |

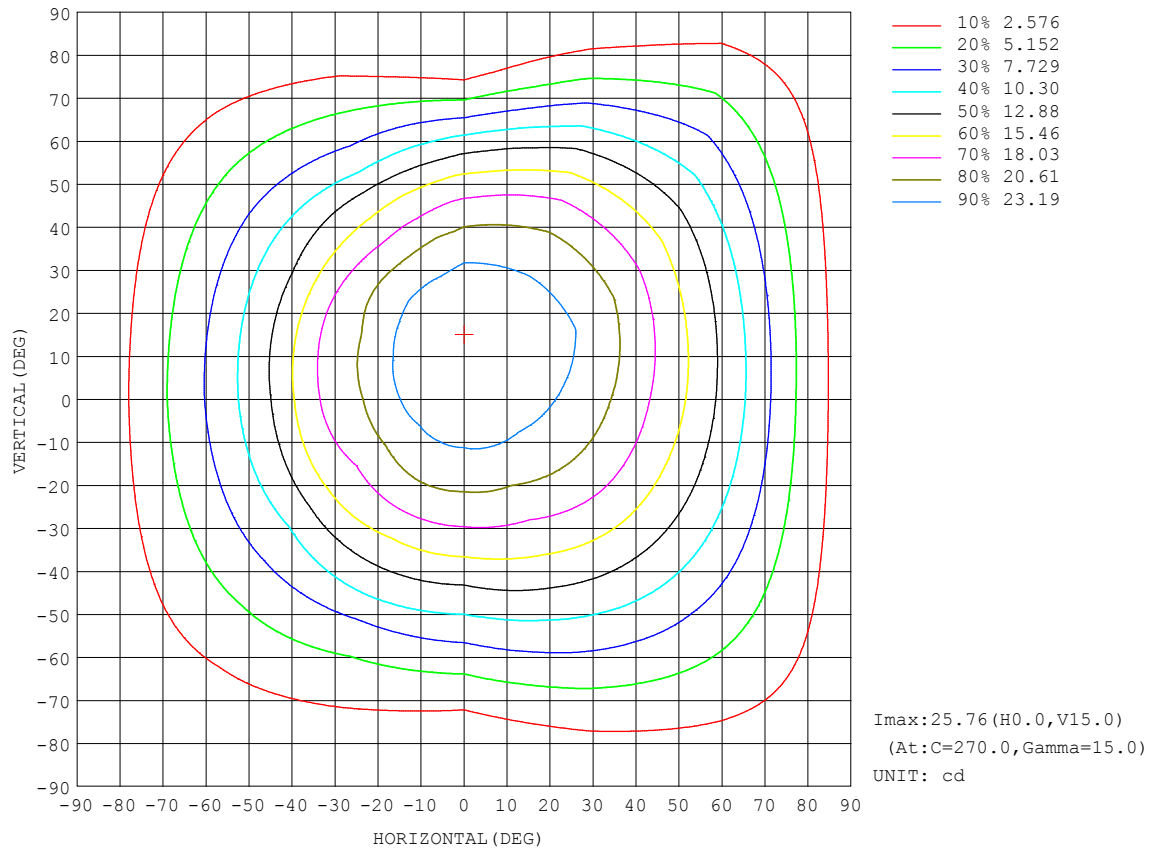
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 58   | 47  | 40        | 58  | 47  | 40  | 56  | 46            | 40  | 33     |
| 0.80                             | 68   | 57  | 50        | 67  | 56  | 49  | 65  | 56            | 49  | 42     |
| 1.00                             | 77   | 66  | 58        | 75  | 65  | 58  | 73  | 66            | 58  | 51     |
| 1.25                             | 84   | 73  | 66        | 82  | 73  | 66  | 79  | 71            | 65  | 58     |
| 1.50                             | 88   | 79  | 72        | 87  | 78  | 71  | 84  | 76            | 70  | 63     |
| 2.00                             | 95   | 87  | 80        | 93  | 85  | 80  | 90  | 83            | 78  | 70     |
| 2.50                             | 99   | 91  | 85        | 97  | 90  | 84  | 93  | 87            | 82  | 74     |
| 3.00                             | 102  | 95  | 90        | 100 | 94  | 89  | 96  | 91            | 87  | 78     |
| 4.00                             | 106  | 100 | 96        | 104 | 99  | 94  | 99  | 95            | 92  | 82     |
| 5.00                             | 108  | 104 | 100       | 106 | 102 | 98  | 101 | 98            | 95  | 85     |
| 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:25.3DEG  
Operators:LPC  
Test Date:2021-10-20

$\gamma$  Range: 0 - 120DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|   |              |                  |
|---|--------------|------------------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:50.00Hz Lamp Flux:0.958602x70 lm |              |                  |
| NAME: P01-24V-5050-70-SPI-RGBW(3000K)-B   | TYPE:        | WEIGHT:          |
| SPEC.:  | DIM.:        | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.:1*0.014 | Shielding Angle: |



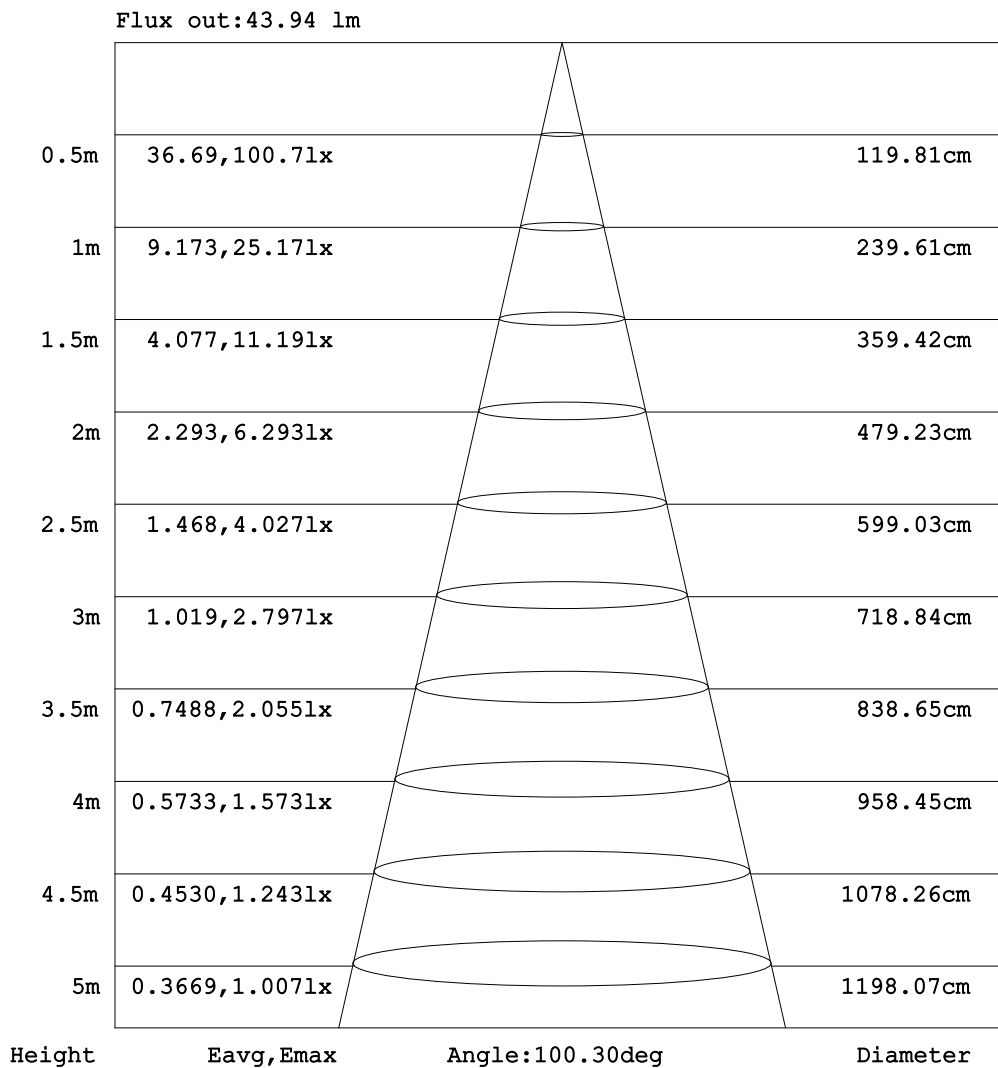
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-10-20

γ Range: 0 - 120DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:



### AAI Figure

|   |              |                  |
|---|--------------|------------------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:50.00Hz Lamp Flux:0.958602x70 lm |              |                  |
| NAME: P01-24V-5050-70-SPI-RGBW(3000K)-B   | TYPE:        | WEIGHT:          |
| SPEC.:  | DIM.:        | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.:1*0.014 | Shielding Angle: |



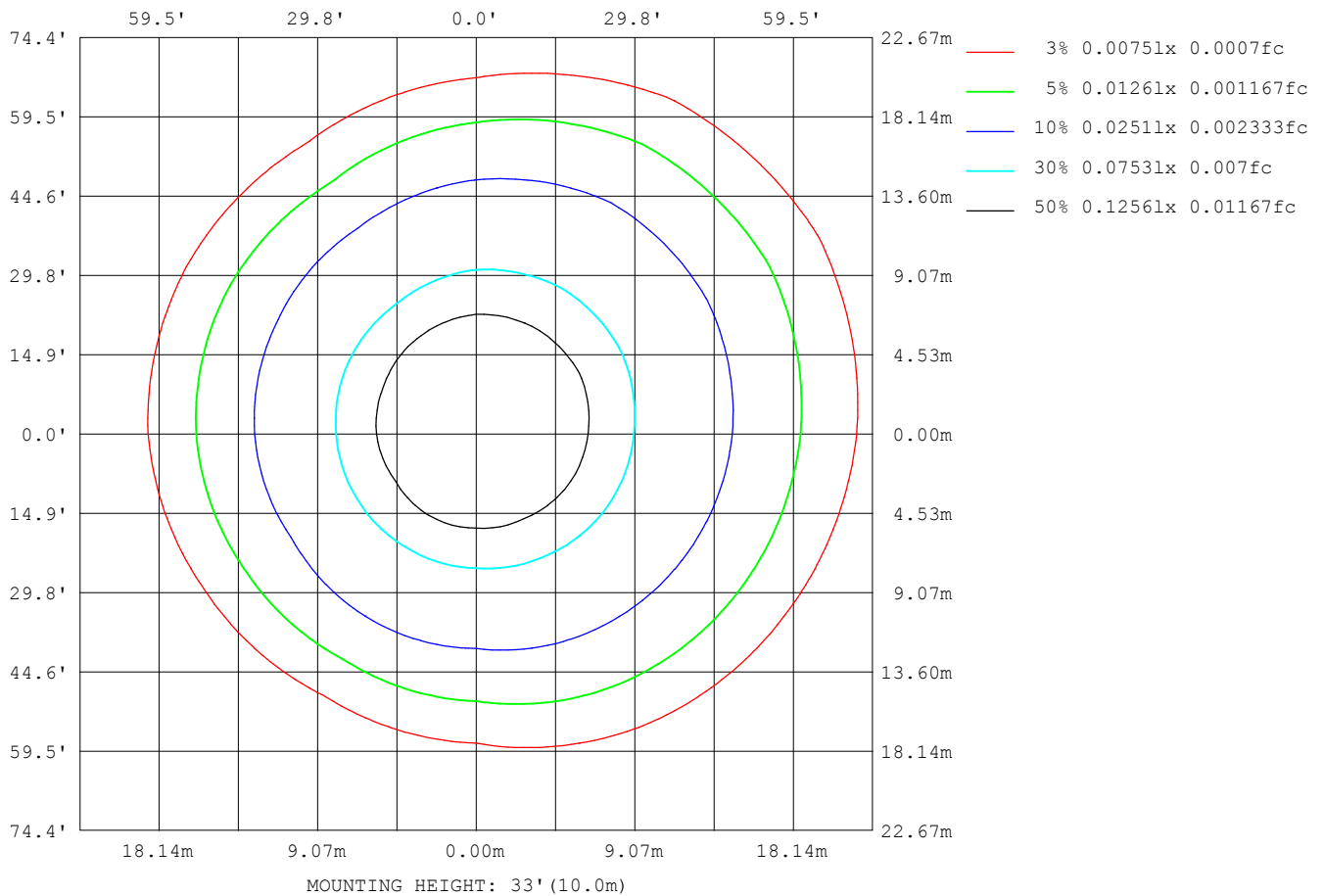
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-10-20

γ Range: 0 - 120DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|   |              |                  |
|---|--------------|------------------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:50.00Hz Lamp Flux:0.958602x70 lm |              |                  |
| NAME: P01-24V-5050-70-SPI-RGBW(3000K)-B   | TYPE:        | WEIGHT:          |
| SPEC.:  | DIM.:        | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.:1*0.014 | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-10-20

γ Range: 0 - 120DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## LED Avg.L Report

|   |              |                  |
|---|--------------|------------------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:50.00Hz Lamp Flux:0.958602x70 lm |              |                  |
| NAME: P01-24V-5050-70-SPI-RGBW(3000K)-B   | TYPE:        | WEIGHT:          |
| SPEC.:  | DIM.:        | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.:1*0.014 | Shielding Angle: |

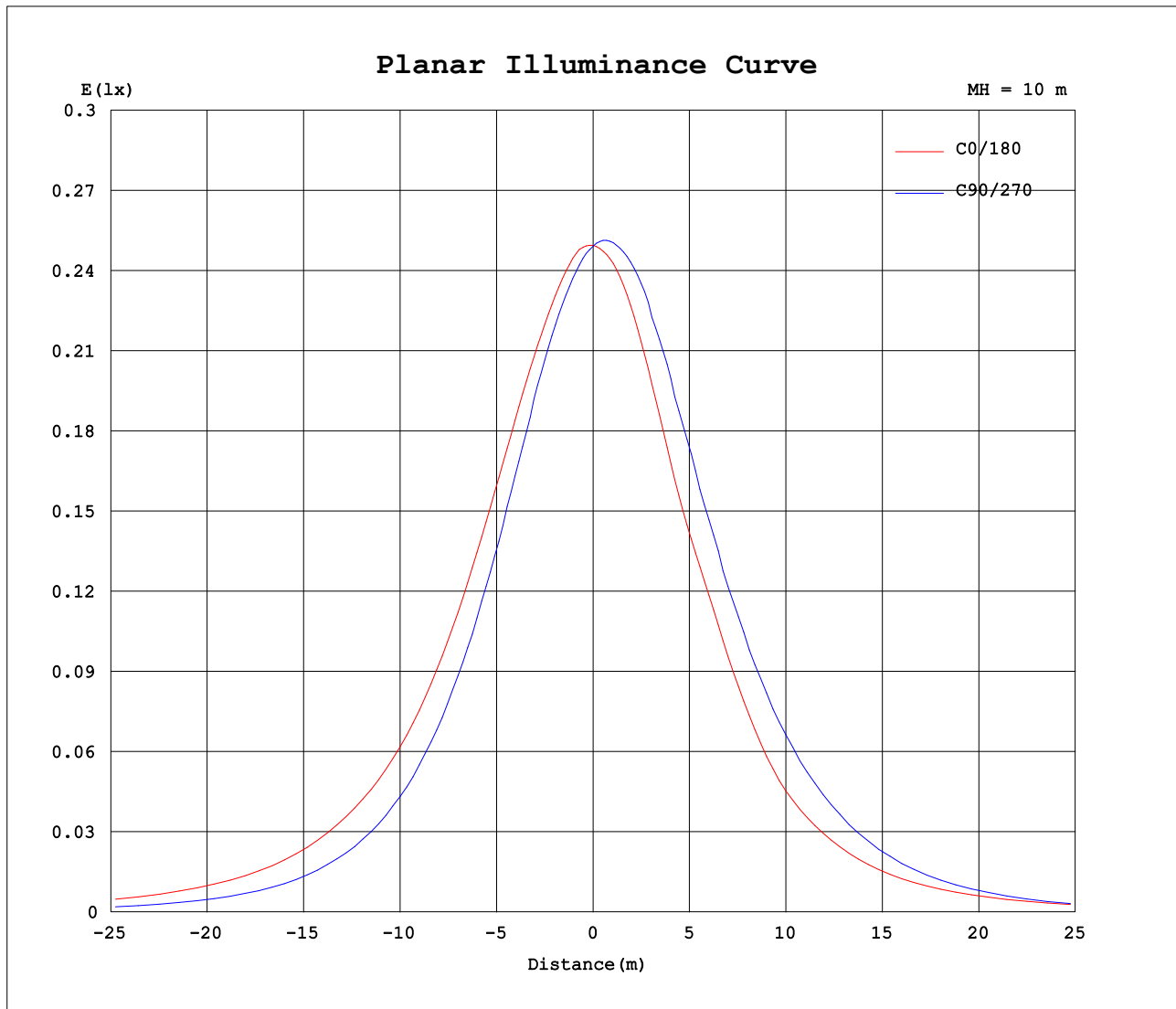
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 1421  |
| L_0~180 (75) av  | 1308  |
| L_0~180 (85) av  | 1397  |
| L_90~270 (65) av | 1082  |
| L_90~270 (75) av | 562   |
| L_90~270 (85) av | 150   |
| L_45 (65) av     | 1314  |
| L_45 (75) av     | 1193  |
| L_45 (85) av     | 1133  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-10-20

γ Range: 0 - 120DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LPC  
Test Date: 2021-10-20

$\gamma$  Range: 0 - 120DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 9.200m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |              |                  |
|---|--------------|------------------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:50.00Hz Lamp Flux:0.958602x70 lm |              |                  |
| NAME: P01-24V-5050-70-SPI-RGBW(3000K)-B   | TYPE:        | WEIGHT:          |
| SPEC.:  | DIM.:        | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.:1*0.014 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0                  | 25.0 | 24.9 | 25.0 | 24.9 | 24.9 | 24.9 | 25.0 | 24.9 | 25.0 | 24.9 | 24.9 | 24.9 |  |  |  |  |  |  |  |
| 5                  | 24.9 | 24.7 | 24.4 | 24.2 | 24.3 | 24.4 | 24.7 | 25.0 | 25.3 | 25.4 | 25.4 | 25.2 |  |  |  |  |  |  |  |
| 10                 | 24.5 | 24.0 | 23.7 | 23.4 | 23.4 | 23.6 | 24.2 | 24.8 | 25.4 | 25.7 | 25.7 | 25.2 |  |  |  |  |  |  |  |
| 15                 | 24.0 | 23.2 | 22.7 | 22.4 | 22.4 | 22.4 | 23.1 | 24.1 | 25.2 | 25.8 | 25.6 | 24.9 |  |  |  |  |  |  |  |
| 20                 | 23.4 | 22.3 | 21.5 | 21.0 | 21.1 | 21.0 | 21.7 | 22.9 | 24.6 | 25.3 | 25.0 | 24.5 |  |  |  |  |  |  |  |
| 25                 | 22.6 | 21.4 | 20.0 | 19.5 | 19.6 | 19.3 | 20.2 | 21.4 | 23.5 | 24.5 | 24.3 | 24.0 |  |  |  |  |  |  |  |
| 30                 | 21.6 | 20.2 | 18.5 | 17.9 | 17.8 | 17.8 | 19.1 | 20.1 | 22.1 | 23.5 | 23.5 | 23.3 |  |  |  |  |  |  |  |
| 35                 | 20.4 | 18.8 | 17.0 | 16.1 | 15.9 | 16.4 | 17.4 | 18.9 | 20.2 | 22.2 | 22.6 | 22.2 |  |  |  |  |  |  |  |
| 40                 | 19.0 | 17.4 | 15.5 | 14.2 | 14.0 | 14.2 | 15.2 | 16.8 | 18.2 | 20.6 | 21.4 | 21.0 |  |  |  |  |  |  |  |
| 45                 | 17.5 | 15.7 | 13.8 | 12.2 | 12.1 | 11.8 | 12.8 | 14.3 | 16.1 | 18.8 | 19.9 | 19.5 |  |  |  |  |  |  |  |
| 50                 | 16.0 | 14.0 | 12.1 | 10.3 | 10.2 | 9.90 | 11.2 | 12.1 | 14.0 | 16.6 | 18.2 | 17.7 |  |  |  |  |  |  |  |
| 55                 | 14.3 | 12.2 | 10.3 | 8.33 | 7.88 | 8.34 | 9.43 | 10.3 | 11.2 | 14.1 | 16.1 | 15.9 |  |  |  |  |  |  |  |
| 60                 | 12.4 | 10.4 | 8.56 | 6.48 | 6.02 | 6.74 | 7.83 | 8.42 | 8.69 | 11.0 | 13.8 | 14.0 |  |  |  |  |  |  |  |
| 65                 | 10.5 | 8.53 | 6.82 | 4.80 | 4.70 | 5.29 | 6.33 | 6.69 | 6.79 | 8.01 | 11.2 | 11.9 |  |  |  |  |  |  |  |
| 70                 | 8.35 | 6.68 | 5.18 | 3.22 | 3.50 | 3.92 | 4.87 | 5.03 | 5.00 | 4.90 | 8.54 | 9.77 |  |  |  |  |  |  |  |
| 75                 | 6.07 | 4.94 | 3.65 | 1.87 | 2.34 | 2.65 | 3.41 | 3.42 | 3.23 | 2.21 | 5.93 | 7.60 |  |  |  |  |  |  |  |
| 80                 | 4.12 | 3.28 | 2.27 | 0.84 | 1.38 | 1.52 | 2.03 | 1.94 | 1.71 | 0.64 | 3.60 | 5.28 |  |  |  |  |  |  |  |
| 85                 | 2.50 | 1.85 | 1.18 | 0.27 | 0.68 | 0.72 | 0.91 | 0.81 | 0.61 | 0.10 | 1.72 | 3.11 |  |  |  |  |  |  |  |
| 90                 | 1.27 | 0.88 | 0.51 | 0.20 | 0.39 | 0.35 | 0.25 | 0.24 | 0.16 | 0.05 | 0.50 | 1.48 |  |  |  |  |  |  |  |
| 95                 | 0.52 | 0.38 | 0.34 | 0.22 | 0.37 | 0.34 | 0.15 | 0.16 | 0.16 | 0.05 | 0.15 | 0.54 |  |  |  |  |  |  |  |
| 100                | 0.24 | 0.29 | 0.34 | 0.25 | 0.37 | 0.36 | 0.17 | 0.16 | 0.16 | 0.05 | 0.15 | 0.18 |  |  |  |  |  |  |  |
| 105                | 0.22 | 0.30 | 0.29 | 0.27 | 0.33 | 0.36 | 0.18 | 0.16 | 0.17 | 0.07 | 0.15 | 0.16 |  |  |  |  |  |  |  |
| 110                | 0.22 | 0.30 | 0.30 | 0.28 | 0.35 | 0.36 | 0.20 | 0.16 | 0.20 | 0.07 | 0.15 | 0.16 |  |  |  |  |  |  |  |
| 115                | 0.22 | 0.30 | 0.34 | 0.29 | 0.36 | 0.36 | 0.21 | 0.18 | 0.20 | 0.10 | 0.15 | 0.16 |  |  |  |  |  |  |  |
| 120                | 0.22 | 0.29 | 0.32 | 0.30 | 0.36 | 0.36 | 0.21 | 0.20 | 0.20 | 0.13 | 0.13 | 0.16 |  |  |  |  |  |  |  |
| 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:25.3DEG  
 Operators:LPC  
 Test Date:2021-10-20

γ Range: 0 - 120DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks: