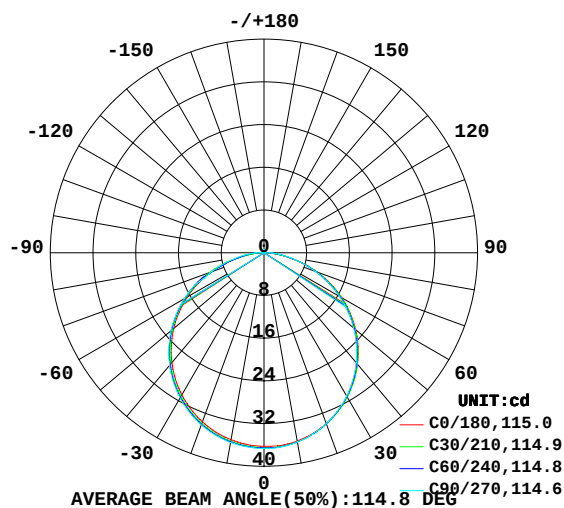


## LUMINAIRE PHOTOMETRIC TEST REPORT

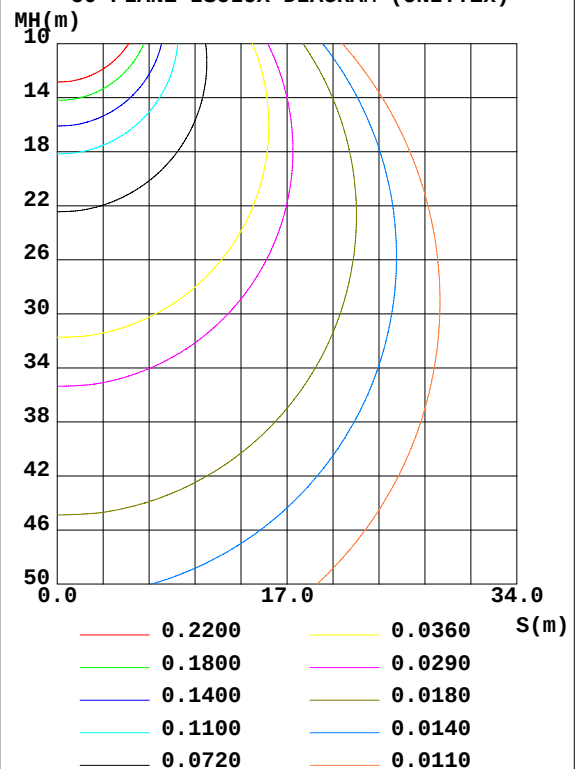
|                                          |              |                  |
|------------------------------------------|--------------|------------------|
| NAME: 霓虹灯带                               | TYPE: IES    | WEIGHT:          |
| SPEC.: FEN10M-P7-G1 COBB 24V480S 1004L01 | DIM.: 1M     | SERIAL No.:      |
| MFR.:                                    | SUR.: 0.01X1 | Shielding Angle: |

| DATA OF LAMP                      |         | PHOTOMETRIC DATA Eff: 10.21 lm/W |        |                         |           |
|-----------------------------------|---------|----------------------------------|--------|-------------------------|-----------|
| FEN10M-MODEL COBB 24V480S 1004L01 |         | Imax(cd)                         | 36.67  | S/MH(C0/180)            | 1.26      |
| NOMINAL POWER(W)                  | 10.7027 | LOR(%)                           | 100.0  | S/MH(C90/270)           | 1.28      |
| RATED VOLTAGE(V)                  | 24      | TOTAL FLUX(lm)                   | 109.23 | $\eta$ UP, DN(C0-180)   | 0.8, 48.7 |
| NOMINAL FLUX(lm)                  | 109.229 | CIE CLASS                        | DIRECT | $\eta$ UP, DN(C180-360) | 0.9, 49.6 |
| LAMPS INSIDE                      | 1       | $\eta$ up(%)                     | 1.7    | CIBSE SHR NOM           | 1.25      |
| TEST VOLTAGE(V)                   | 24      | $\eta$ down(%)                   | 98.3   | CIBSE SHR MAX           | 1.35      |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Sun ren fang  
 Test Date: 2022-11-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 12.818m [K=1.0000]  
 Remarks: 1M

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 35.81                 | 35.90  | 35.98  | 35.92  | 35.56  | 36.00  | 36.08  | 36.22  | 0- 10    | 3.463       | 3.463        | 3.17, 3.17 |
| 20       | 34.06                 | 34.07  | 34.05  | 34.01  | 33.71  | 34.18  | 34.33  | 34.47  | 10- 20   | 9.938       | 13.40        | 12.3, 12.3 |
| 30       | 31.16                 | 31.08  | 30.98  | 30.99  | 30.77  | 31.23  | 31.43  | 31.55  | 20- 30   | 15.12       | 28.52        | 26.1, 26.1 |
| 40       | 27.23                 | 27.06  | 26.87  | 26.96  | 26.84  | 27.30  | 27.52  | 27.62  | 30- 40   | 18.34       | 46.86        | 42.9, 42.9 |
| 50       | 22.40                 | 22.16  | 21.90  | 22.07  | 22.07  | 22.54  | 22.73  | 22.80  | 40- 50   | 19.19       | 66.05        | 60.5, 60.5 |
| 60       | 16.79                 | 16.52  | 16.26  | 16.47  | 16.57  | 17.04  | 17.25  | 17.24  | 50- 60   | 17.56       | 83.61        | 76.5, 76.5 |
| 70       | 10.60                 | 10.39  | 10.23  | 10.39  | 10.51  | 11.01  | 10.43  | 11.13  | 60- 70   | 13.58       | 97.19        | 89, 89     |
| 80       | 4.297                 | 4.350  | 4.478  | 4.381  | 4.292  | 3.979  | 4.997  | 3.892  | 70- 80   | 7.764       | 104.9        | 96.1, 96.1 |
| 90       | 0.1679                | 0.5109 | 0.8325 | 0.5515 | 0.1574 | 0.7766 | 1.238  | 0.7609 | 80- 90   | 2.444       | 107.4        | 98.3, 98.3 |
| 100      | 0.1026                | 0.1422 | 0.1422 | 0.1739 | 0.1264 | 0.1501 | 0.1502 | 0.1422 | 90-100   | 0.2535      | 107.6        | 98.6, 98.6 |
| 110      | 0.1263                | 0.2134 | 0.1422 | 0.2213 | 0.2057 | 0.1501 | 0.2213 | 0.1422 | 100-110  | 0.1697      | 107.8        | 98.7, 98.7 |
| 120      | 0.2368                | 0.3161 | 0.2292 | 0.3003 | 0.3003 | 0.2292 | 0.2688 | 0.2212 | 110-120  | 0.2197      | 108.0        | 98.9, 98.9 |
| 130      | 0.2607                | 0.3715 | 0.3237 | 0.3716 | 0.3715 | 0.2765 | 0.3478 | 0.2608 | 120-130  | 0.2615      | 108.3        | 99.1, 99.1 |
| 140      | 0.3476                | 0.4267 | 0.3872 | 0.4347 | 0.4425 | 0.3397 | 0.4190 | 0.3556 | 130-140  | 0.2808      | 108.6        | 99.4, 99.4 |
| 150      | 0.3872                | 0.4741 | 0.3872 | 0.4742 | 0.4901 | 0.3793 | 0.4823 | 0.3951 | 140-150  | 0.2556      | 108.8        | 99.6, 99.6 |
| 160      | 0.3872                | 0.5057 | 0.4109 | 0.4821 | 0.5136 | 0.4742 | 0.5453 | 0.4979 | 150-160  | 0.2084      | 109.0        | 99.8, 99.8 |
| 170      | 0.4266                | 0.5137 | 0.4900 | 0.5138 | 0.5058 | 0.5057 | 0.5453 | 0.5058 | 160-170  | 0.1377      | 109.2        | 100, 100   |
| 180      | 0.4900                | 0.5137 | 0.5374 | 0.5216 | 0.5058 | 0.5058 | 0.5453 | 0.5137 | 170-180  | 0.0488      | 109.2        | 100, 100   |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 56.504 lm

%lum = 51.7%

%lamp = 51.7%

Conical surface Flux(120deg): 83.607 lm

%lum = 76.5%

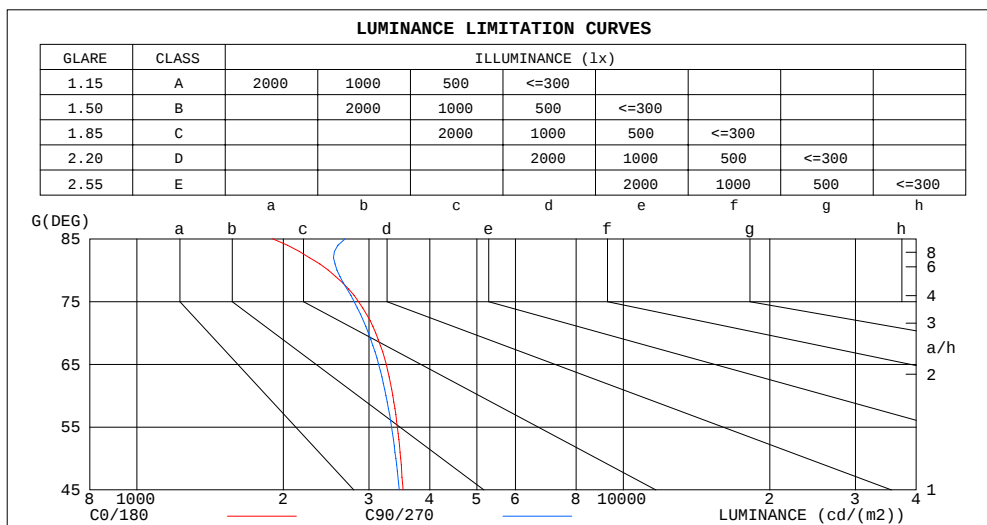
%lamp = 76.5%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Sun ren fang  
 Test Date: 2022-11-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 12.818m [K=1.0000]  
 Remarks: 1M

## LUMINANCE LIMITATION CURVES

|                                          |              |                  |
|------------------------------------------|--------------|------------------|
| NAME: 霓虹灯带                               | TYPE: IES    | WEIGHT:          |
| SPEC.: FEN10M-P7-G1 COBB 24V480S 1004L01 | DIM.: 1M     | SERIAL No.:      |
| MFR.:                                    | SUR.: 0.01X1 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 1902   | 2680    |
| 80                | 2475   | 2579    |
| 75                | 2855   | 2796    |
| 70                | 3098   | 2992    |
| 65                | 3255   | 3139    |
| 60                | 3358   | 3252    |
| 55                | 3430   | 3338    |
| 50                | 3485   | 3407    |
| 45                | 3524   | 3462    |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Sun ren fang  
Test Date: 2022-11-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 12.818m [K=1.0000]  
Remarks: 1M

## WEC AND CCEC

|                                          |              |                  |
|------------------------------------------|--------------|------------------|
| NAME: 霓虹灯带                               | TYPE: IES    | WEIGHT:          |
| SPEC.: FEN10M-P7-G1 COBB 24V480S 1004L01 | DIM.: 1M     | SERIAL No.:      |
| MFR.:                                    | SUR.: 0.01X1 | 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 |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0         | .315                  | .179 | .057 | .308 | .176 | .056 | .293                            | .168 | .054 | .280 | .162 | .052 | .268 | .156 | .050 |   |  |
| 2.0         | .295                  | .162 | .050 | .288 | .159 | .049 | .276                            | .153 | .048 | .264 | .148 | .046 | .253 | .143 | .045 |   |  |
| 3.0         | .272                  | .145 | .043 | .266 | .143 | .043 | .255                            | .138 | .042 | .245 | .134 | .041 | .235 | .130 | .040 |   |  |
| 4.0         | .251                  | .130 | .038 | .246 | .129 | .038 | .236                            | .125 | .037 | .226 | .122 | .037 | .218 | .118 | .036 |   |  |
| 5.0         | .232                  | .118 | .034 | .227 | .117 | .034 | .218                            | .114 | .033 | .210 | .111 | .033 | .202 | .108 | .032 |   |  |
| 6.0         | .215                  | .108 | .031 | .210 | .106 | .031 | .203                            | .104 | .030 | .195 | .101 | .030 | .188 | .099 | .029 |   |  |
| 7.0         | .200                  | .099 | .028 | .196 | .098 | .028 | .189                            | .095 | .027 | .182 | .093 | .027 | .176 | .091 | .027 |   |  |
| 8.0         | .186                  | .091 | .026 | .183 | .090 | .025 | .177                            | .088 | .025 | .171 | .086 | .025 | .165 | .085 | .025 |   |  |
| 9.0         | .175                  | .084 | .024 | .172 | .084 | .023 | .166                            | .082 | .023 | .160 | .080 | .023 | .155 | .079 | .023 |   |  |
| 10.0        | .164                  | .079 | .022 | .161 | .078 | .022 | .156                            | .076 | .022 | .151 | .075 | .021 | .146 | .074 | .021 |   |  |

| $\rho_{CC}$ | 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 |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .203                  | .203 | .203 | .174 | .174 | .174 | .119                                       | .119 | .119 | .068 | .068 | .068 | .022 | .022 | .022 |   |
| 1.0         | .194                  | .169 | .147 | .166 | .145 | .126 | .113                                       | .100 | .087 | .065 | .058 | .051 | .021 | .019 | .016 |   |
| 2.0         | .186                  | .145 | .111 | .159 | .125 | .096 | .109                                       | .086 | .067 | .063 | .050 | .039 | .020 | .016 | .013 |   |
| 3.0         | .178                  | .127 | .087 | .153 | .110 | .075 | .105                                       | .076 | .053 | .061 | .045 | .031 | .019 | .014 | .010 |   |
| 4.0         | .170                  | .114 | .071 | .146 | .099 | .062 | .101                                       | .069 | .044 | .058 | .040 | .026 | .019 | .013 | .008 |   |
| 5.0         | .163                  | .104 | .060 | .140 | .090 | .052 | .096                                       | .063 | .037 | .056 | .037 | .022 | .018 | .012 | .007 |   |
| 6.0         | .156                  | .095 | .052 | .134 | .083 | .045 | .092                                       | .058 | .032 | .054 | .034 | .019 | .017 | .011 | .006 |   |
| 7.0         | .149                  | .089 | .046 | .128 | .077 | .040 | .089                                       | .054 | .029 | .051 | .032 | .017 | .017 | .010 | .006 |   |
| 8.0         | .142                  | .083 | .042 | .123 | .072 | .037 | .085                                       | .050 | .026 | .049 | .030 | .015 | .016 | .010 | .005 |   |
| 9.0         | .136                  | .078 | .038 | .117 | .068 | .034 | .081                                       | .048 | .024 | .047 | .028 | .014 | .015 | .009 | .005 |   |
| 10.0        | .131                  | .074 | .036 | .113 | .064 | .031 | .078                                       | .045 | .022 | .046 | .027 | .013 | .015 | .009 | .004 |   |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Sun ren fang  
 Test Date: 2022-11-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 12.818m [K=1.0000]  
 Remarks: 1M

## UGR(Unified Glare Rating) Table

|                                                    |     |     |     |     |                  |      |      |      |      |                  |      |      |      |      |
|----------------------------------------------------|-----|-----|-----|-----|------------------|------|------|------|------|------------------|------|------|------|------|
| NAME: 霓虹灯带                                         |     |     |     |     | TYPE: IES        |      |      |      |      | WEIGHT:          |      |      |      |      |
| SPEC.: FEN10M-P7-G1 COBB 24V480S 1004L01           |     |     |     |     | DIM.: 1M         |      |      |      |      | SERIAL No.:      |      |      |      |      |
| MFR.:                                              |     |     |     |     | SUR.: 0.01X1     |      |      |      |      | 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                                      |     |     |     |     | 24.8             | 26.3 | 25.1 | 26.5 | 26.7 | 24.6             | 26.1 | 24.9 | 26.4 | 26.6 |
| 3H                                                 |     |     |     |     | 26.3             | 27.7 | 26.7 | 28.0 | 28.3 | 26.2             | 27.6 | 26.5 | 27.8 | 28.1 |
| 4H                                                 |     |     |     |     | 26.9             | 28.3 | 27.3 | 28.6 | 28.8 | 26.8             | 28.1 | 27.1 | 28.4 | 28.7 |
| 6H                                                 |     |     |     |     | 27.4             | 28.6 | 27.7 | 28.9 | 29.2 | 27.2             | 28.5 | 27.6 | 28.8 | 29.1 |
| 8H                                                 |     |     |     |     | 27.5             | 28.7 | 27.8 | 29.0 | 29.3 | 27.4             | 28.6 | 27.8 | 28.9 | 29.3 |
| 12H                                                |     |     |     |     | 27.5             | 28.7 | 27.9 | 29.0 | 29.4 | 27.5             | 28.7 | 27.9 | 29.0 | 29.4 |
| 4H 2H                                              |     |     |     |     | 25.4             | 26.7 | 25.7 | 27.0 | 27.3 | 25.3             | 26.6 | 25.6 | 26.9 | 27.2 |
| 3H                                                 |     |     |     |     | 27.1             | 28.3 | 27.5 | 28.6 | 28.9 | 27.0             | 28.1 | 27.4 | 28.5 | 28.8 |
| 4H                                                 |     |     |     |     | 27.8             | 28.9 | 28.2 | 29.3 | 29.6 | 27.7             | 28.8 | 28.1 | 29.1 | 29.5 |
| 6H                                                 |     |     |     |     | 28.4             | 29.3 | 28.8 | 29.7 | 30.1 | 28.3             | 29.2 | 28.7 | 29.6 | 30.0 |
| 8H                                                 |     |     |     |     | 28.5             | 29.4 | 29.0 | 29.8 | 30.2 | 28.5             | 29.4 | 29.0 | 29.8 | 30.2 |
| 12H                                                |     |     |     |     | 28.6             | 29.4 | 29.1 | 29.9 | 30.3 | 28.7             | 29.5 | 29.1 | 29.9 | 30.4 |
| 8H 4H                                              |     |     |     |     | 28.1             | 29.0 | 28.5 | 29.4 | 29.8 | 28.0             | 28.9 | 28.4 | 29.3 | 29.7 |
| 6H                                                 |     |     |     |     | 28.8             | 29.5 | 29.2 | 29.9 | 30.4 | 28.7             | 29.4 | 29.2 | 29.9 | 30.3 |
| 8H                                                 |     |     |     |     | 29.0             | 29.7 | 29.5 | 30.1 | 30.6 | 29.0             | 29.7 | 29.5 | 30.1 | 30.6 |
| 12H                                                |     |     |     |     | 29.2             | 29.7 | 29.7 | 30.2 | 30.7 | 29.3             | 29.9 | 29.8 | 30.3 | 30.9 |
| 12H 4H                                             |     |     |     |     | 28.1             | 28.9 | 28.6 | 29.3 | 29.8 | 28.0             | 28.8 | 28.5 | 29.2 | 29.7 |
| 6H                                                 |     |     |     |     | 28.8             | 29.5 | 29.3 | 29.9 | 30.4 | 28.8             | 29.4 | 29.3 | 29.9 | 30.4 |
| 8H                                                 |     |     |     |     | 29.1             | 29.7 | 29.6 | 30.1 | 30.6 | 29.1             | 29.7 | 29.6 | 30.2 | 30.7 |
| Variations with the observer position at spacings: |     |     |     |     |                  |      |      |      |      |                  |      |      |      |      |
| S = 1.0H                                           |     |     |     |     | + 0.1 / - 0.2    |      |      |      |      | + 0.2 / - 0.2    |      |      |      |      |
| 1.5H                                               |     |     |     |     | + 0.2 / - 0.3    |      |      |      |      | + 0.2 / - 0.3    |      |      |      |      |
| 2.0H                                               |     |     |     |     | + 0.2 / - 0.3    |      |      |      |      | + 0.2 / - 0.3    |      |      |      |      |

CIE Pub.117, 109.2 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = -7.7$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Sun ren fang  
 Test Date: 2022-11-03

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 12.818m [K=1.0000]  
 Remarks: 1M

## UTILIZATION FACTORS TABLE

|                                          |              |                  |
|------------------------------------------|--------------|------------------|
| NAME: 霓虹灯带                               | TYPE: IES    | WEIGHT:          |
| SPEC.: FEN10M-P7-G1 COBB 24V480S 1004L01 | DIM.: 1M     | SERIAL No.:      |
| MFR.:                                    | SUR.: 0.01X1 | Shielding Angle: |

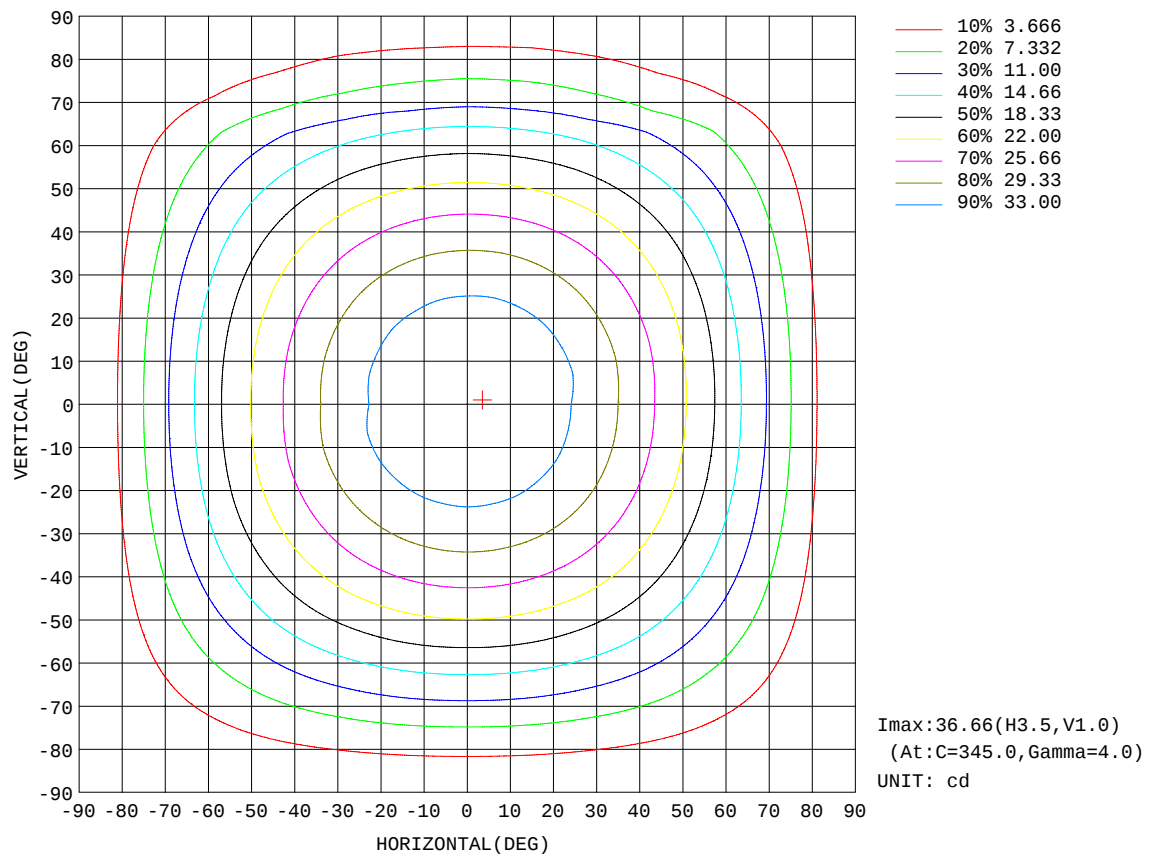
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 56                                                  | 45  | 38        | 56  | 45  | 38  | 54  | 44            | 37  | 31     |
| 0.80                             | 66                                                  | 55  | 47        | 65  | 54  | 47  | 63  | 53            | 47  | 40     |
| 1.00                             | 75                                                  | 64  | 56        | 74  | 63  | 56  | 71  | 64            | 55  | 48     |
| 1.25                             | 82                                                  | 71  | 64        | 80  | 71  | 64  | 78  | 69            | 63  | 55     |
| 1.50                             | 87                                                  | 77  | 70        | 85  | 76  | 69  | 82  | 74            | 68  | 60     |
| 2.00                             | 94                                                  | 85  | 79        | 92  | 84  | 78  | 88  | 82            | 76  | 68     |
| 2.50                             | 98                                                  | 90  | 84        | 96  | 89  | 83  | 92  | 86            | 81  | 72     |
| 3.00                             | 101                                                 | 94  | 89        | 99  | 93  | 87  | 95  | 89            | 85  | 76     |
| 4.00                             | 105                                                 | 100 | 95        | 103 | 98  | 93  | 98  | 94            | 90  | 81     |
| 5.00                             | 108                                                 | 103 | 99        | 105 | 101 | 97  | 101 | 97            | 94  | 84     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Sun ren fang  
 Test Date: 2022-11-03

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 12.818m [K=1.0000]  
 Remarks: 1M

## ISOCANDELA DIAGRAM

|                                          |              |                  |
|------------------------------------------|--------------|------------------|
| NAME: 霓虹灯带                               | TYPE: IES    | WEIGHT:          |
| SPEC.: FEN10M-P7-G1 COBB 24V480S 1004L01 | DIM.: 1M     | SERIAL No.:      |
| MFR.:                                    | SUR.: 0.01X1 | Shielding Angle: |

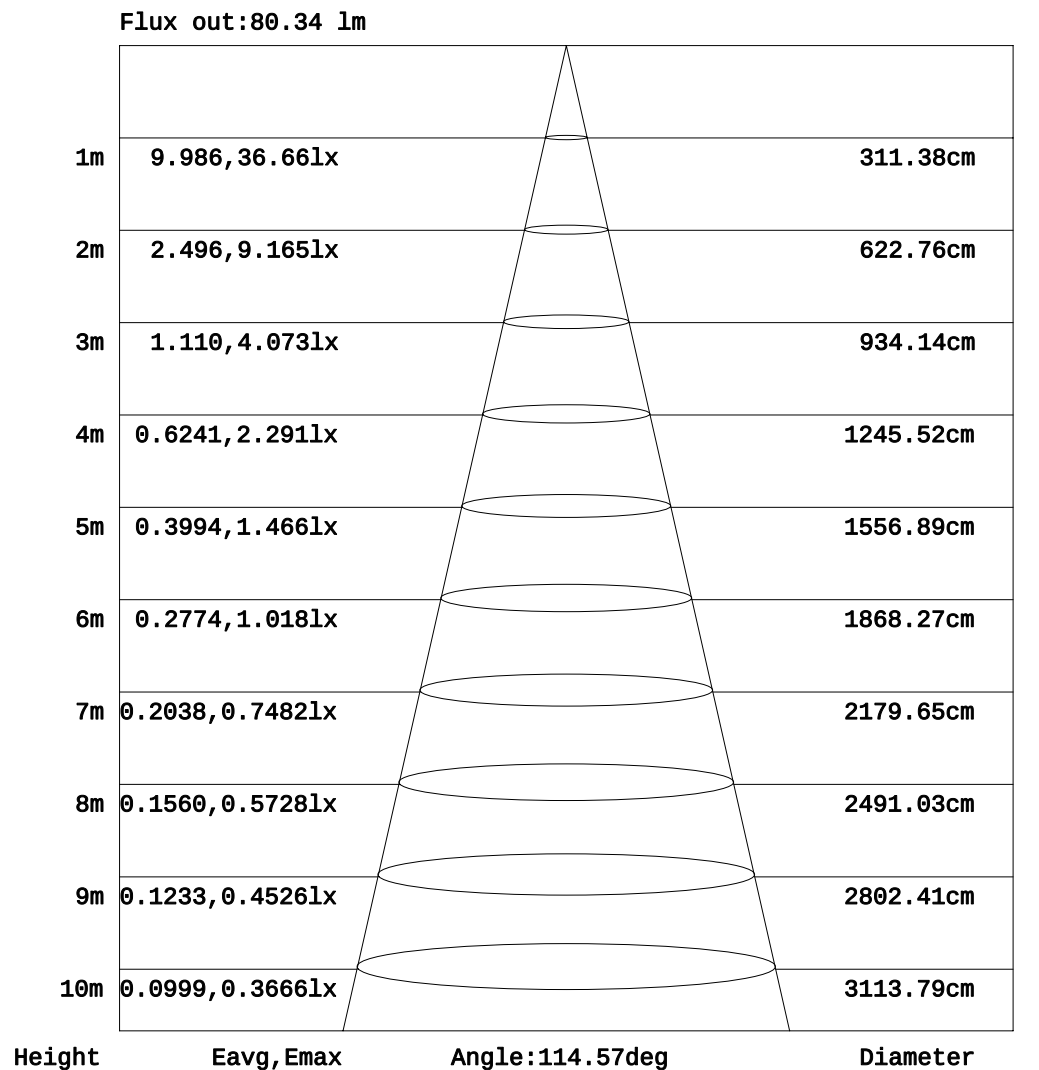


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Sun ren fang  
Test Date: 2022-11-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 12.818m [K=1.0000]  
Remarks: 1M

## AAI Figure

|                                          |              |                  |
|------------------------------------------|--------------|------------------|
| NAME: 霓虹灯带                               | TYPE: IES    | WEIGHT:          |
| SPEC.: FEN10M-P7-G1 COBB 24V480S 1004L01 | DIM.: 1M     | SERIAL No.:      |
| MFR.:                                    | SUR.: 0.01X1 | Shielding Angle: |

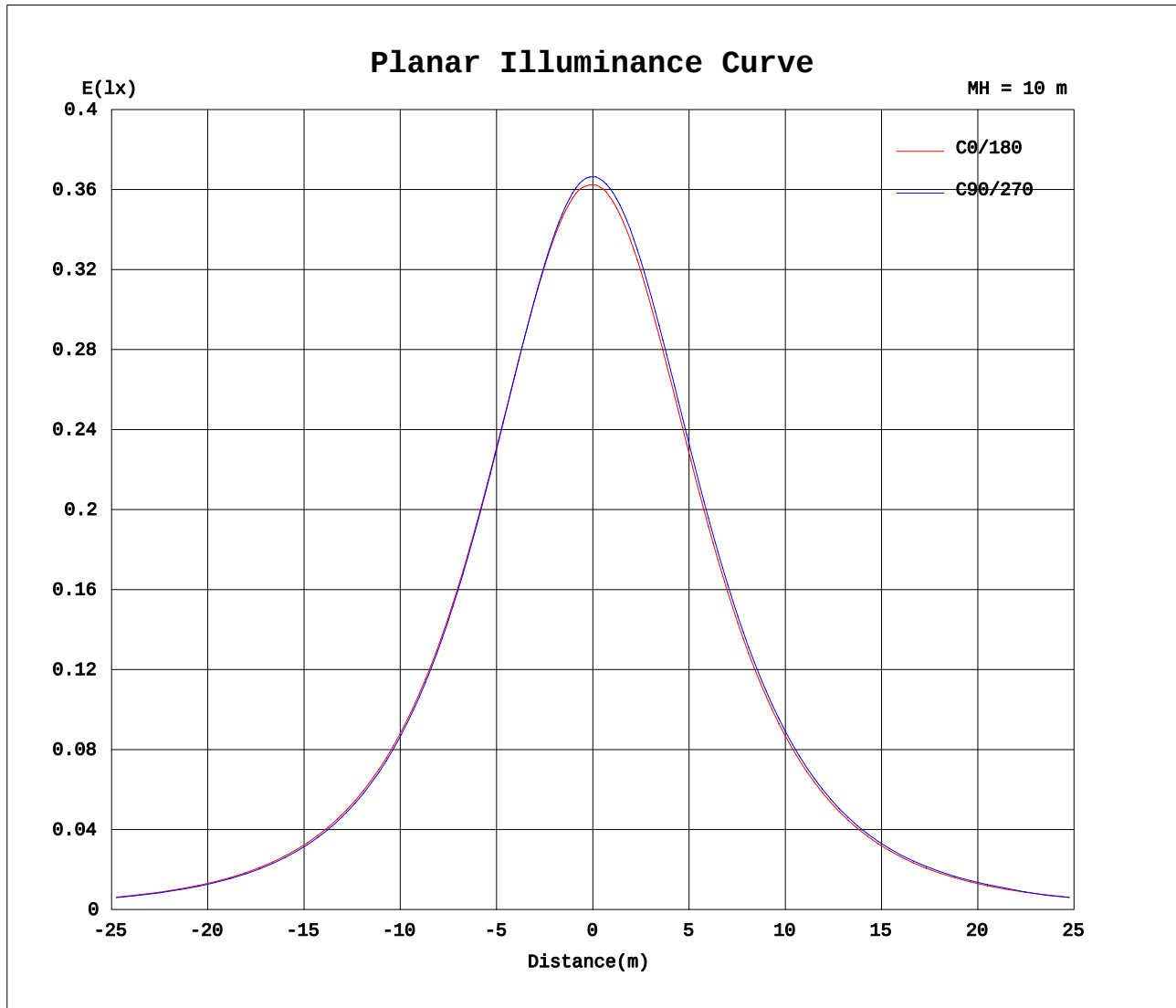


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Sun ren fang  
 Test Date: 2022-11-03

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 12.818m [K=1.0000]  
 Remarks: 1M

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Sun ren fang  
Test Date: 2022-11-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 12.818m [K=1.0000]  
Remarks: 1M

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                          |              |                  |
|------------------------------------------|--------------|------------------|
| NAME: 霓虹灯带                               | TYPE: IES    | WEIGHT:          |
| SPEC.: FEN10M-P7-G1 COBB 24V480S 1004L01 | DIM.: 1M     | SERIAL No.:      |
| MFR.:                                    | SUR.: 0.01X1 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165  | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 36.2 | 36.4 | 36.5 | 36.5 | 36.5 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.7 | 36.7 | 36.2 | 36.4 | 36.5 | 36.5 | 36.5 | 36.6 | 36.6 |
| 5                  | 36.2 | 36.3 | 36.4 | 36.4 | 36.5 | 36.4 | 36.5 | 36.4 | 36.5 | 36.4 | 36.5 | 36.5 | 36.1 | 36.3 | 36.3 | 36.5 | 36.4 | 36.5 | 36.5 |
| 10                 | 35.8 | 35.8 | 36.0 | 35.9 | 36.0 | 35.9 | 36.0 | 35.9 | 36.0 | 35.9 | 36.0 | 36.0 | 35.6 | 35.8 | 35.8 | 36.0 | 36.0 | 36.1 | 36.1 |
| 15                 | 35.1 | 35.1 | 35.2 | 35.1 | 35.2 | 35.1 | 35.2 | 35.1 | 35.2 | 35.1 | 35.2 | 35.2 | 34.8 | 35.0 | 35.1 | 35.2 | 35.2 | 35.4 | 35.4 |
| 20                 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.1 | 34.1 | 33.7 | 33.9 | 34.0 | 34.2 | 34.2 | 34.3 | 34.3 |
| 25                 | 32.7 | 32.7 | 32.8 | 32.7 | 32.7 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.7 | 32.7 | 32.4 | 32.6 | 32.7 | 32.8 | 32.9 | 33.0 | 33.0 |
| 30                 | 31.2 | 31.1 | 31.2 | 31.1 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.1 | 31.1 | 30.8 | 31.0 | 31.1 | 31.2 | 31.3 | 31.4 | 31.4 |
| 35                 | 29.3 | 29.3 | 29.3 | 29.2 | 29.1 | 29.1 | 29.0 | 29.0 | 29.1 | 29.1 | 29.2 | 29.2 | 28.9 | 29.1 | 29.3 | 29.4 | 29.5 | 29.5 | 29.6 |
| 40                 | 27.2 | 27.2 | 27.2 | 27.1 | 27.0 | 26.9 | 26.9 | 26.9 | 26.9 | 27.0 | 27.0 | 27.1 | 26.8 | 27.1 | 27.2 | 27.3 | 27.4 | 27.5 | 27.5 |
| 45                 | 24.9 | 24.9 | 24.8 | 24.7 | 24.6 | 24.5 | 24.5 | 24.5 | 24.5 | 24.6 | 24.7 | 24.8 | 24.6 | 24.8 | 24.9 | 25.0 | 25.1 | 25.2 | 25.2 |
| 50                 | 22.4 | 22.4 | 22.3 | 22.2 | 22.0 | 22.0 | 21.9 | 21.9 | 22.0 | 22.1 | 22.1 | 22.3 | 22.1 | 22.3 | 22.4 | 22.5 | 22.6 | 22.7 | 22.7 |
| 55                 | 19.7 | 19.6 | 19.5 | 19.4 | 19.3 | 19.2 | 19.1 | 19.2 | 19.2 | 19.3 | 19.4 | 19.6 | 19.4 | 19.6 | 19.8 | 19.9 | 20.0 | 20.0 | 20.1 |
| 60                 | 16.8 | 16.7 | 16.6 | 16.5 | 16.4 | 16.3 | 16.3 | 16.3 | 16.3 | 16.5 | 16.5 | 16.7 | 16.6 | 16.8 | 16.9 | 17.0 | 17.1 | 17.2 | 17.3 |
| 65                 | 13.8 | 13.7 | 13.6 | 13.5 | 13.4 | 13.3 | 13.3 | 13.3 | 13.4 | 13.5 | 13.5 | 13.7 | 13.6 | 13.8 | 14.0 | 14.1 | 14.2 | 14.2 | 14.3 |
| 70                 | 10.6 | 10.5 | 10.4 | 10.4 | 10.3 | 10.3 | 10.2 | 10.3 | 10.3 | 10.4 | 10.4 | 10.5 | 10.5 | 10.7 | 10.9 | 11.0 | 10.2 | 10.2 | 10.4 |
| 75                 | 7.39 | 7.33 | 7.25 | 7.28 | 7.24 | 7.27 | 7.24 | 7.27 | 7.25 | 7.30 | 7.29 | 7.37 | 7.35 | 7.51 | 7.79 | 6.95 | 7.04 | 7.31 | 7.63 |
| 80                 | 4.30 | 4.25 | 4.26 | 4.35 | 4.40 | 4.47 | 4.48 | 4.48 | 4.42 | 4.38 | 4.31 | 4.32 | 4.29 | 4.47 | 3.92 | 3.98 | 4.46 | 4.80 | 5.00 |
| 85                 | 1.66 | 1.66 | 1.78 | 1.98 | 2.16 | 2.26 | 2.34 | 2.28 | 2.19 | 2.03 | 1.84 | 1.73 | 1.68 | 1.88 | 1.74 | 2.23 | 2.48 | 2.67 | 2.78 |
| 90                 | 0.17 | 0.20 | 0.41 | 0.52 | 0.71 | 0.76 | 0.83 | 0.76 | 0.73 | 0.55 | 0.45 | 0.24 | 0.16 | 0.36 | 0.49 | 0.78 | 0.99 | 1.20 | 1.24 |
| 95                 | 0.09 | 0.10 | 0.13 | 0.14 | 0.15 | 0.16 | 0.17 | 0.17 | 0.17 | 0.17 | 0.14 | 0.10 | 0.09 | 0.12 | 0.13 | 0.15 | 0.17 | 0.29 | 0.24 |
| 100                | 0.10 | 0.13 | 0.13 | 0.14 | 0.15 | 0.17 | 0.14 | 0.17 | 0.17 | 0.17 | 0.14 | 0.13 | 0.13 | 0.09 | 0.15 | 0.15 | 0.17 | 0.15 | 0.15 |
| 105                | 0.12 | 0.17 | 0.13 | 0.16 | 0.15 | 0.20 | 0.14 | 0.21 | 0.17 | 0.19 | 0.14 | 0.17 | 0.16 | 0.09 | 0.17 | 0.15 | 0.19 | 0.15 | 0.19 |
| 110                | 0.13 | 0.22 | 0.13 | 0.21 | 0.15 | 0.24 | 0.14 | 0.25 | 0.17 | 0.22 | 0.14 | 0.22 | 0.21 | 0.12 | 0.23 | 0.15 | 0.21 | 0.15 | 0.22 |
| 115                | 0.17 | 0.25 | 0.21 | 0.26 | 0.22 | 0.28 | 0.21 | 0.28 | 0.20 | 0.27 | 0.21 | 0.28 | 0.25 | 0.17 | 0.27 | 0.15 | 0.24 | 0.15 | 0.24 |
| 120                | 0.24 | 0.28 | 0.22 | 0.32 | 0.26 | 0.32 | 0.23 | 0.31 | 0.23 | 0.30 | 0.25 | 0.32 | 0.30 | 0.23 | 0.30 | 0.23 | 0.28 | 0.23 | 0.27 |
| 125                | 0.23 | 0.32 | 0.24 | 0.34 | 0.28 | 0.35 | 0.24 | 0.36 | 0.33 | 0.32 | 0.27 | 0.35 | 0.33 | 0.24 | 0.32 | 0.24 | 0.32 | 0.23 | 0.31 |
| 130                | 0.26 | 0.35 | 0.28 | 0.37 | 0.32 | 0.39 | 0.32 | 0.39 | 0.36 | 0.37 | 0.32 | 0.36 | 0.37 | 0.28 | 0.36 | 0.28 | 0.37 | 0.26 | 0.35 |
| 135                | 0.29 | 0.37 | 0.32 | 0.40 | 0.36 | 0.42 | 0.37 | 0.42 | 0.37 | 0.42 | 0.36 | 0.39 | 0.41 | 0.34 | 0.38 | 0.32 | 0.40 | 0.36 | 0.38 |
| 140                | 0.35 | 0.40 | 0.36 | 0.43 | 0.36 | 0.43 | 0.39 | 0.44 | 0.37 | 0.43 | 0.36 | 0.39 | 0.44 | 0.35 | 0.43 | 0.34 | 0.42 | 0.36 | 0.42 |
| 145                | 0.37 | 0.41 | 0.36 | 0.44 | 0.36 | 0.45 | 0.39 | 0.47 | 0.37 | 0.47 | 0.36 | 0.40 | 0.47 | 0.37 | 0.44 | 0.36 | 0.44 | 0.37 | 0.45 |
| 150                | 0.39 | 0.41 | 0.36 | 0.47 | 0.39 | 0.47 | 0.39 | 0.48 | 0.38 | 0.47 | 0.36 | 0.43 | 0.49 | 0.39 | 0.48 | 0.38 | 0.48 | 0.40 | 0.48 |
| 155                | 0.39 | 0.45 | 0.39 | 0.48 | 0.40 | 0.48 | 0.39 | 0.50 | 0.40 | 0.47 | 0.36 | 0.43 | 0.51 | 0.42 | 0.51 | 0.42 | 0.51 | 0.46 | 0.51 |
| 160                | 0.39 | 0.48 | 0.40 | 0.51 | 0.43 | 0.50 | 0.41 | 0.50 | 0.41 | 0.48 | 0.36 | 0.44 | 0.51 | 0.49 | 0.51 | 0.47 | 0.51 | 0.49 | 0.55 |
| 165                | 0.40 | 0.49 | 0.43 | 0.51 | 0.47 | 0.51 | 0.49 | 0.51 | 0.48 | 0.48 | 0.39 | 0.46 | 0.51 | 0.49 | 0.51 | 0.48 | 0.51 | 0.49 | 0.55 |
| 170                | 0.43 | 0.49 | 0.49 | 0.51 | 0.49 | 0.54 | 0.49 | 0.53 | 0.50 | 0.51 | 0.41 | 0.50 | 0.51 | 0.49 | 0.51 | 0.51 | 0.51 | 0.50 | 0.55 |
| 175                | 0.49 | 0.49 | 0.50 | 0.51 | 0.50 | 0.56 | 0.51 | 0.57 | 0.50 | 0.52 | 0.49 | 0.51 | 0.51 | 0.49 | 0.51 | 0.51 | 0.51 | 0.51 | 0.55 |
| 180                | 0.49 | 0.49 | 0.50 | 0.51 | 0.58 | 0.59 | 0.54 | 0.57 | 0.52 | 0.52 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.55 |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Sun ren fang  
Test Date: 2022-11-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 12.818m [K=1.0000]  
Remarks: 1M

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                          |              |                  |
|------------------------------------------|--------------|------------------|
| NAME: 霓虹灯带                               | TYPE: IES    | WEIGHT:          |
| SPEC.: FEN10M-P7-G1 COBB 24V480S 1004L01 | DIM.: 1M     | SERIAL No.:      |
| MFR.:                                    | SUR.: 0.01X1 | Shielding Angle: |

Table--2

UNIT: cd

| C (DEG)<br>γ (DEG) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 36.6 | 36.6 | 36.6 | 36.7 | 36.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 36.6 | 36.5 | 36.6 | 36.6 | 36.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 36.2 | 36.1 | 36.2 | 36.1 | 36.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 35.5 | 35.4 | 35.5 | 35.4 | 35.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 34.4 | 34.4 | 34.5 | 34.4 | 34.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 31.5 | 31.5 | 31.6 | 31.5 | 31.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 27.6 | 27.6 | 27.6 | 27.6 | 27.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 25.3 | 25.3 | 25.3 | 25.3 | 25.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 22.8 | 22.8 | 22.8 | 22.8 | 22.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 20.1 | 20.1 | 20.1 | 20.1 | 20.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 17.3 | 17.3 | 17.2 | 17.2 | 17.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 14.3 | 14.3 | 14.2 | 14.2 | 14.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 10.3 | 10.3 | 11.1 | 11.0 | 10.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 7.48 | 7.04 | 6.66 | 7.90 | 7.62 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 4.90 | 4.47 | 3.89 | 3.99 | 4.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 2.78 | 2.51 | 2.22 | 1.89 | 1.86 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 1.25 | 0.96 | 0.76 | 0.51 | 0.33 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.29 | 0.15 | 0.17 | 0.13 | 0.12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.15 | 0.16 | 0.14 | 0.15 | 0.12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.15 | 0.19 | 0.14 | 0.17 | 0.12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.15 | 0.22 | 0.14 | 0.20 | 0.13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.17 | 0.24 | 0.14 | 0.24 | 0.17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 0.24 | 0.28 | 0.22 | 0.28 | 0.23 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 0.24 | 0.31 | 0.23 | 0.32 | 0.23 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 0.26 | 0.35 | 0.26 | 0.36 | 0.26 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 0.32 | 0.38 | 0.30 | 0.38 | 0.33 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 0.36 | 0.42 | 0.36 | 0.42 | 0.36 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 0.36 | 0.44 | 0.36 | 0.46 | 0.36 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 0.40 | 0.48 | 0.40 | 0.47 | 0.40 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 0.44 | 0.51 | 0.45 | 0.51 | 0.48 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 0.48 | 0.54 | 0.50 | 0.51 | 0.51 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 0.48 | 0.55 | 0.50 | 0.51 | 0.51 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 0.50 | 0.58 | 0.51 | 0.51 | 0.51 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 0.51 | 0.58 | 0.51 | 0.51 | 0.51 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 0.58 | 0.60 | 0.51 | 0.51 | 0.51 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Sun ren fang  
 Test Date: 2022-11-03

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 12.818m [K=1.0000]  
 Remarks: 1M