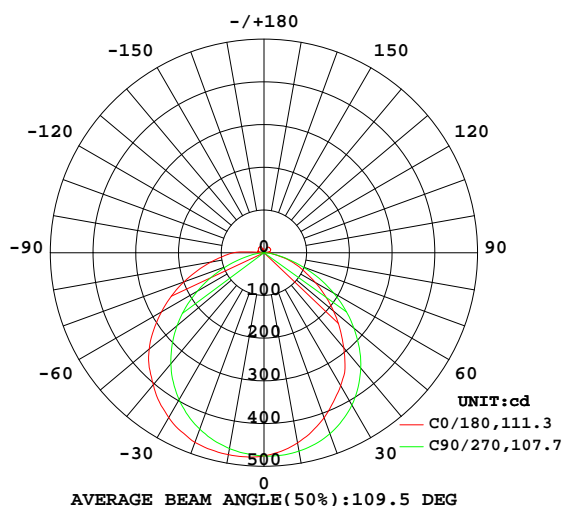


## LUMINAIRE PHOTOMETRIC TEST REPORT

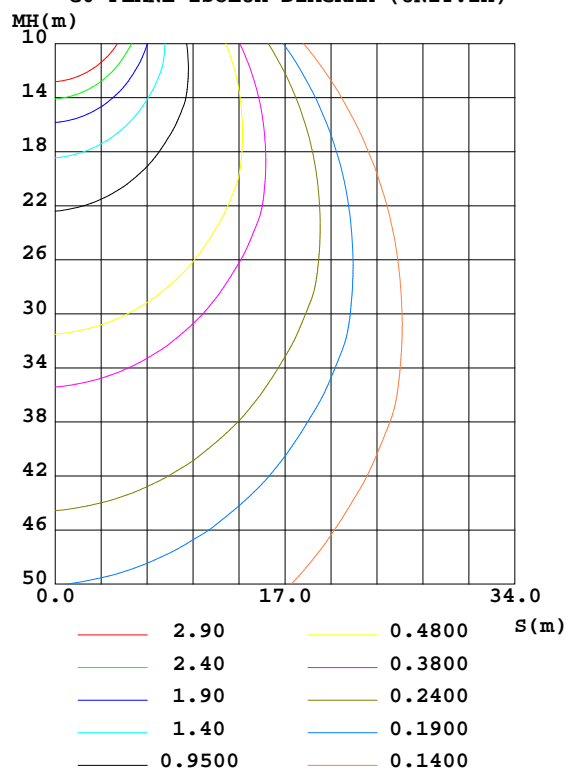
|  |          |                     |
|--|----------|---------------------|
| Test:U:24.009V I:0.5440A P:13.061W PF:1.0000 Freq:0Hz Lamp Flux:1400.57x1 lm |          |                     |
| NAME:  | TYPE:LED | WEIGHT:N/A          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:N/A      |
| MFR.:  | SUR.:    | Shielding Angle:N/A |

| DATA OF LAMP     |             | PHOTOMETRIC DATA Eff: 107.23 lm/W |        |                        |          |
|------------------|-------------|-----------------------------------|--------|------------------------|----------|
| MODEL            | 空心13w/m 830 | Imax(cd)                          | 480.3  | S/MH(C0/180)           | 1.39     |
| NOMINAL POWER(W) | 13          | LOR(%)                            | 100.0  | S/MH(C90/270)          | 1.24     |
| RATED VOLTAGE(V) | 24          | TOTAL FLUX(lm)                    | 1400.6 | $\eta$ UP,DN(C0-180)   | 2.0,46.4 |
| NOMINAL FLUX(lm) | 1400.57     | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 2.1,49.6 |
| LAMPS INSIDE     | 1           | $\eta$ up(%)                      | 4.0    | CIBSE SHR NOM          | 1.25     |
| TEST VOLTAGE(V)  | 24          | $\eta$ down(%)                    | 96.0   | CIBSE SHR MAX          | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.9DEG  
Operators:Zero huang  
Test Date:2024-01-04

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:60%  
Test Distance:26.000m [K=1.5110]  
Remarks:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90    | C135  | C180   | C225  | C270   | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|--------|-------|--------|-------|--------|-------|----------|-------------|--------------|------------|
| 10       | 452.0                 | 456.2 | 471.5  | 476.2 | 479.9  | 476.5 | 465.6  | 457.3 | 0- 10    | 44.98       | 44.98        | 3.21,3.21  |
| 20       | 411.4                 | 421.6 | 450.8  | 461.0 | 472.4  | 462.0 | 439.6  | 422.7 | 10- 20   | 128.8       | 173.7        | 12.4,12.4  |
| 30       | 359.1                 | 368.1 | 411.5  | 429.7 | 445.7  | 432.4 | 397.3  | 372.7 | 20- 30   | 195.0       | 368.8        | 26.3,26.3  |
| 40       | 290.8                 | 304.0 | 352.5  | 378.8 | 403.2  | 385.4 | 339.4  | 304.2 | 30- 40   | 234.7       | 603.5        | 43.1,43.1  |
| 50       | 212.6                 | 222.6 | 274.9  | 316.8 | 350.9  | 324.9 | 265.5  | 225.8 | 40- 50   | 239.3       | 842.8        | 60.2,60.2  |
| 60       | 138.4                 | 143.1 | 188.2  | 241.1 | 277.0  | 249.5 | 180.3  | 145.2 | 50- 60   | 210.7       | 1053         | 75.2,75.2  |
| 70       | 78.91                 | 76.47 | 96.66  | 162.4 | 199.5  | 167.2 | 94.00  | 78.47 | 60- 70   | 155.8       | 1209         | 86.3,86.3  |
| 80       | 25.80                 | 27.99 | 28.98  | 92.34 | 126.3  | 91.51 | 27.92  | 32.58 | 70- 80   | 92.32       | 1302         | 92.9,92.9  |
| 90       | 15.95                 | 14.50 | 1.792  | 40.06 | 71.53  | 39.30 | 1.381  | 13.50 | 80- 90   | 42.75       | 1344         | 96,96      |
| 100      | 4.389                 | 7.384 | 0      | 11.17 | 4.522  | 5.428 | 0.0930 | 9.592 | 90-100   | 10.23       | 1355         | 96.7,96.7  |
| 110      | 16.38                 | 11.18 | 0      | 10.93 | 14.58  | 11.97 | 0.4650 | 10.97 | 100-110  | 8.997       | 1364         | 97.4,97.4  |
| 120      | 17.90                 | 11.53 | 0.0930 | 12.05 | 15.36  | 13.72 | 1.140  | 11.01 | 110-120  | 10.01       | 1374         | 98.1,98.1  |
| 130      | 17.73                 | 11.65 | 0.0930 | 12.82 | 17.07  | 14.12 | 1.489  | 10.26 | 120-130  | 9.501       | 1383         | 98.7,98.7  |
| 140      | 17.16                 | 10.40 | 0.1866 | 13.34 | 17.18  | 14.22 | 1.458  | 8.196 | 130-140  | 7.794       | 1391         | 99.3,99.3  |
| 150      | 13.83                 | 1.880 | 0.5781 | 6.687 | 16.89  | 14.33 | 1.426  | 1.540 | 140-150  | 5.813       | 1397         | 99.7,99.7  |
| 160      | 2.119                 | 2.710 | 0.6333 | 8.451 | 0.8531 | 3.156 | 1.379  | 1.112 | 150-160  | 2.675       | 1399         | 99.9,99.9  |
| 170      | 1.283                 | 1.302 | 1.670  | 4.891 | 7.161  | 6.457 | 1.259  | 1.198 | 160-170  | 1.040       | 1400         | 100,100    |
| 180      | 1.024                 | 1.223 | 1.953  | 1.280 | 0.5972 | 1.136 | 1.209  | 1.197 | 170-180  | 0.2050      | 1401         | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |       |        |       |        |       |        |       |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 724.65 lm

%lum = 51.7%

%lamp = 51.7%

Conical surface Flux(120deg): 1053.4 lm

%lum = 75.2%

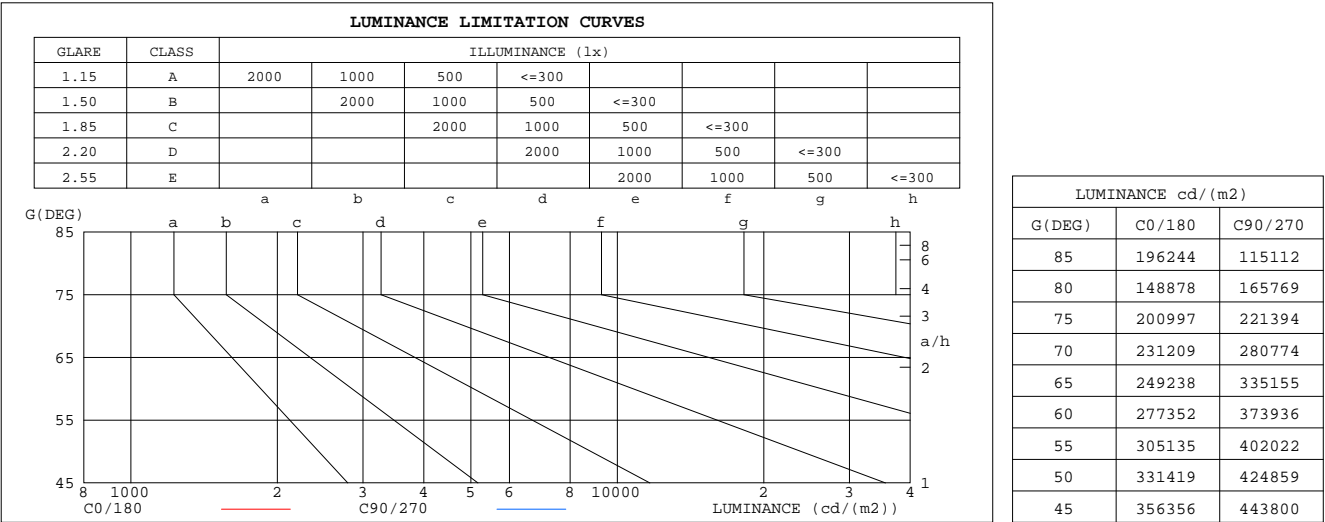
%lamp = 75.2%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Zero huang  
 Test Date:2024-01-04

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:60%  
 Test Distance:26.000m [K=1.5110]  
 Remarks:

LUMINANCE LIMITATION CURVES

|  |          |                     |
|--|----------|---------------------|
| Test:U:24.009V I:0.5440A P:13.061W PF:1.0000 Freq:0Hz Lamp Flux:1400.57x1 lm |          |                     |
| NAME:  | TYPE:LED | WEIGHT:N/A          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:N/A      |
| MFR.:  | SUR.:    | Shielding Angle:N/A |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.9DEG  
Operators:Zero huang  
Test Date:2024-01-04

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:60%  
Test Distance:26.000m [K=1.5110]  
Remarks:

## WEC AND CCEC

|  |  |  |          |  |                     |
|--|--|--|----------|--|---------------------|
| Test:U:24.009V I:0.5440A P:13.061W PF:1.0000 Freq:0Hz Lamp Flux:1400.57x1 lm |  |  |          |  |                     |
| NAME:  |  |  | TYPE:LED |  | WEIGHT:N/A          |
| SPEC.:N/A  |  |  | DIM.:    |  | SERIAL No.:N/A      |
| MFR.:  |  |  | SUR.:    |  | Shielding Angle:N/A |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .318                  | .181 | .057 | .309 | .176 | .056 | .294                            | .169 | .054 | .279 | .161 | .052 | .266 | .154 | .050 |   |
| 2.0  | .293                  | .161 | .049 | .286 | .157 | .049 | .272                            | .151 | .047 | .259 | .145 | .046 | .248 | .140 | .044 |   |
| 3.0  | .270                  | .143 | .043 | .263 | .141 | .042 | .251                            | .136 | .041 | .239 | .131 | .040 | .229 | .127 | .039 |   |
| 4.0  | .248                  | .129 | .038 | .242 | .127 | .037 | .231                            | .123 | .037 | .221 | .119 | .036 | .211 | .115 | .035 |   |
| 5.0  | .229                  | .117 | .034 | .224 | .115 | .033 | .214                            | .111 | .033 | .205 | .108 | .032 | .196 | .105 | .031 |   |
| 6.0  | .212                  | .106 | .030 | .207 | .105 | .030 | .199                            | .102 | .030 | .190 | .099 | .029 | .183 | .096 | .029 |   |
| 7.0  | .197                  | .098 | .028 | .193 | .096 | .027 | .185                            | .094 | .027 | .178 | .091 | .027 | .171 | .089 | .026 |   |
| 8.0  | .184                  | .090 | .025 | .181 | .089 | .025 | .173                            | .087 | .025 | .167 | .084 | .024 | .160 | .082 | .024 |   |
| 9.0  | .173                  | .084 | .023 | .169 | .083 | .023 | .163                            | .080 | .023 | .157 | .079 | .022 | .151 | .077 | .022 |   |
| 10.0 | .162                  | .078 | .022 | .159 | .077 | .021 | .153                            | .075 | .021 | .148 | .073 | .021 | .142 | .072 | .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  | .221                  | .221 | .221 | .189 | .189 | .189 | .129                                       | .129 | .129 | .074 | .074 | .074 | .024 | .024 | .024 |   |
| 1.0  | .212                  | .187 | .165 | .181 | .160 | .142 | .124                                       | .110 | .098 | .071 | .064 | .057 | .023 | .021 | .018 |   |
| 2.0  | .204                  | .163 | .129 | .174 | .140 | .111 | .119                                       | .097 | .078 | .069 | .056 | .046 | .022 | .018 | .015 |   |
| 3.0  | .196                  | .146 | .106 | .168 | .126 | .092 | .115                                       | .087 | .064 | .067 | .051 | .038 | .021 | .017 | .012 |   |
| 4.0  | .188                  | .132 | .090 | .161 | .114 | .078 | .111                                       | .080 | .055 | .064 | .047 | .033 | .021 | .015 | .011 |   |
| 5.0  | .180                  | .122 | .079 | .155 | .106 | .069 | .107                                       | .074 | .048 | .062 | .043 | .029 | .020 | .014 | .009 |   |
| 6.0  | .173                  | .114 | .071 | .149 | .098 | .062 | .103                                       | .069 | .044 | .060 | .041 | .026 | .019 | .013 | .009 |   |
| 7.0  | .167                  | .107 | .065 | .143 | .093 | .057 | .099                                       | .065 | .040 | .058 | .038 | .024 | .019 | .013 | .008 |   |
| 8.0  | .160                  | .101 | .061 | .138 | .088 | .053 | .095                                       | .062 | .037 | .055 | .036 | .022 | .018 | .012 | .007 |   |
| 9.0  | .154                  | .096 | .057 | .133 | .083 | .050 | .092                                       | .059 | .035 | .054 | .035 | .021 | .017 | .011 | .007 |   |
| 10.0 | .148                  | .092 | .054 | .128 | .080 | .047 | .089                                       | .056 | .034 | .052 | .033 | .020 | .017 | .011 | .007 |   |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Zero huang  
 Test Date:2024-01-04

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:60%  
 Test Distance:26.000m [K=1.5110]  
 Remarks:

UGR(Unified Glare Rating) Table

|  |               |                  |      |      |          |               |                |                     |      |      |      |
|--|---------------|------------------|------|------|----------|---------------|----------------|---------------------|------|------|------|
| Test:U:24.009V I:0.5440A P:13.061W PF:1.0000 Freq:0Hz Lamp Flux:1400.57x1 lm |               |                  |      |      |          |               |                |                     |      |      |      |
| NAME:  |               |                  |      |      | TYPE:LED |               |                | WEIGHT:N/A          |      |      |      |
| SPEC.:N/A  |               |                  |      |      | DIM.:    |               |                | SERIAL No.:N/A      |      |      |      |
| MFR.:  |               |                  |      |      | SUR.:    |               |                | Shielding Angle:N/A |      |      |      |
| 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  |               | 31.5             | 32.9 | 31.8 | 33.2     | 33.5          | 32.5           | 34.0                | 32.8 | 34.2 | 34.5 |
|  | 3H            | 32.6             | 33.9 | 32.9 | 34.2     | 34.5          | 33.6           | 35.0                | 34.0 | 35.3 | 35.6 |
|  | 4H            | 33.0             | 34.3 | 33.4 | 34.6     | 34.9          | 34.0           | 35.3                | 34.4 | 35.6 | 35.9 |
|  | 6H            | 33.2             | 34.4 | 33.6 | 34.7     | 35.1          | 34.2           | 35.4                | 34.6 | 35.7 | 36.1 |
|  | 8H            | 33.2             | 34.4 | 33.6 | 34.8     | 35.1          | 34.2           | 35.4                | 34.6 | 35.7 | 36.1 |
|  | 12H           | 33.3             | 34.4 | 33.7 | 34.8     | 35.2          | 34.2           | 35.3                | 34.6 | 35.7 | 36.1 |
| 4H   | 2H            | 31.9             | 33.2 | 32.3 | 33.5     | 33.9          | 32.8           | 34.1                | 33.2 | 34.4 | 34.7 |
|  | 3H            | 33.2             | 34.3 | 33.6 | 34.7     | 35.1          | 34.1           | 35.2                | 34.5 | 35.6 | 35.9 |
|  | 4H            | 33.7             | 34.8 | 34.2 | 35.2     | 35.6          | 34.5           | 35.5                | 34.9 | 35.9 | 36.3 |
|  | 6H            | 34.0             | 34.9 | 34.5 | 35.4     | 35.8          | 34.8           | 35.7                | 35.2 | 36.1 | 36.6 |
|  | 8H            | 34.1             | 35.0 | 34.6 | 35.4     | 35.9          | 34.9           | 35.7                | 35.3 | 36.1 | 36.6 |
|  | 12H           | 34.2             | 35.0 | 34.7 | 35.5     | 36.0          | 34.9           | 35.7                | 35.4 | 36.1 | 36.6 |
| 8H   | 4H            | 33.9             | 34.7 | 34.4 | 35.2     | 35.7          | 34.6           | 35.4                | 35.1 | 35.9 | 36.4 |
|  | 6H            | 34.3             | 35.0 | 34.8 | 35.5     | 36.0          | 35.0           | 35.7                | 35.5 | 36.2 | 36.7 |
|  | 8H            | 34.4             | 35.1 | 35.0 | 35.6     | 36.1          | 35.1           | 35.7                | 35.6 | 36.2 | 36.8 |
|  | 12H           | 34.7             | 35.2 | 35.2 | 35.7     | 36.3          | 35.2           | 35.8                | 35.8 | 36.3 | 36.8 |
| 12H  | 4H            | 33.9             | 34.7 | 34.4 | 35.1     | 35.6          | 34.6           | 35.4                | 35.1 | 35.8 | 36.3 |
|  | 6H            | 34.3             | 34.9 | 34.8 | 35.4     | 36.0          | 35.0           | 35.6                | 35.5 | 36.1 | 36.6 |
|  | 8H            | 34.5             | 35.0 | 35.0 | 35.6     | 36.1          | 35.2           | 35.7                | 35.7 | 36.2 | 36.8 |
| Variations with the observer position at spacings:                           |               |                  |      |      |          |               |                |                     |      |      |      |
| S = 1.0H   | + 0.3 / - 0.3 |                  |      |      |          | + 0.2 / - 0.2 |                |                     |      |      |      |
| 1.5H   | + 0.2 / - 0.3 |                  |      |      |          | + 0.2 / - 0.3 |                |                     |      |      |      |
| 2.0H   | + 0.4 / - 0.5 |                  |      |      |          | + 0.6 / - 0.7 |                |                     |      |      |      |

CIE Pub.117, 1401 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 1.2$ )

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.9DEG  
Operators:Zero huang  
Test Date:2024-01-04

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:60%  
Test Distance:26.000m [K=1.5110]  
Remarks:

UTILIZATION FACTORS TABLE

|  |          |                     |
|--|----------|---------------------|
| Test:U:24.009V I:0.5440A P:13.061W PF:1.0000 Freq:0Hz Lamp Flux:1400.57x1 lm |          |                     |
| NAME:  | TYPE:LED | WEIGHT:N/A          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:N/A      |
| MFR.:  | SUR.:    | Shielding Angle:N/A |

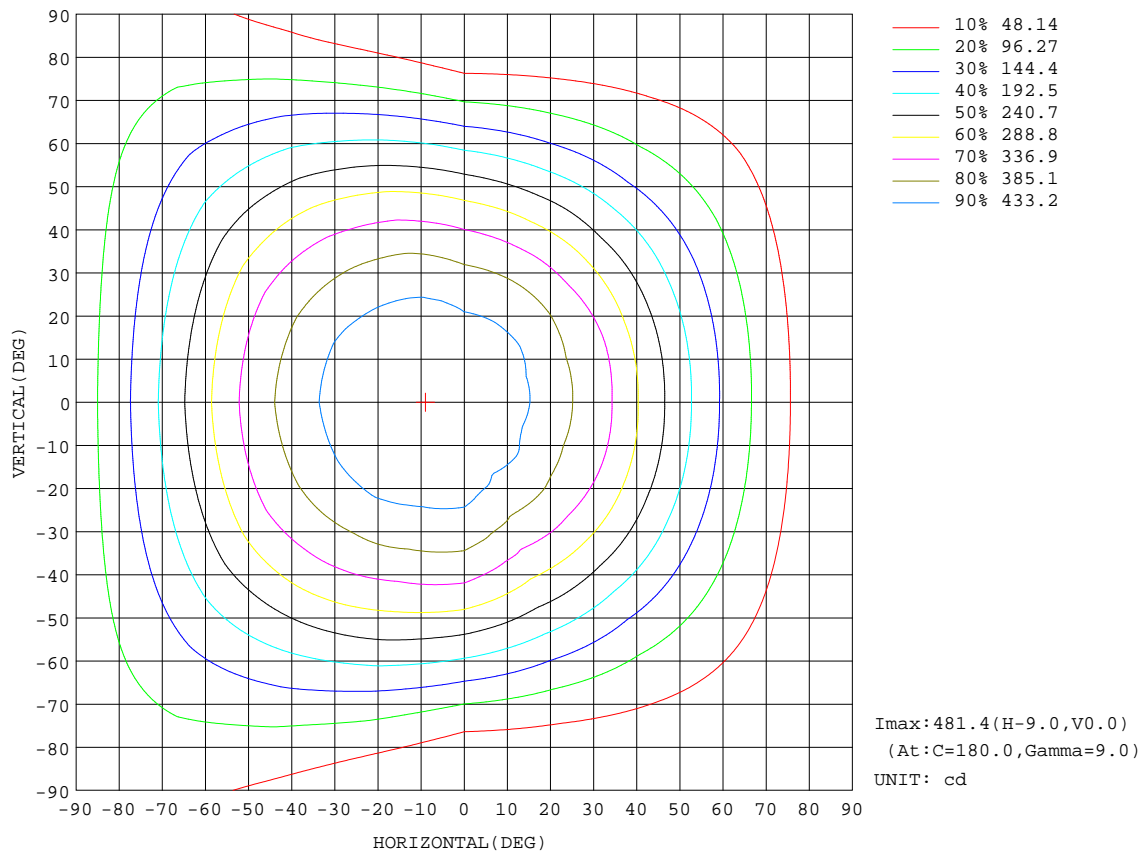
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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            | 38  | 31     |
| 0.80                             | 66  | 55  | 47        | 65  | 54  | 47  | 63  | 53            | 47  | 40     |
| 1.00                             | 75  | 63  | 56        | 73  | 63  | 56  | 71  | 64            | 55  | 48     |
| 1.25                             | 82  | 71  | 64        | 80  | 70  | 63  | 77  | 68            | 62  | 54     |
| 1.50                             | 87  | 77  | 69        | 85  | 75  | 69  | 81  | 73            | 67  | 59     |
| 2.00                             | 93  | 85  | 78        | 91  | 83  | 77  | 87  | 81            | 75  | 67     |
| 2.50                             | 97  | 89  | 83        | 95  | 88  | 82  | 91  | 85            | 80  | 70     |
| 3.00                             | 101   | 94  | 88        | 98  | 92  | 86  | 94  | 88            | 84  | 74     |
| 4.00                             | 105   | 99  | 94        | 102 | 97  | 92  | 97  | 93            | 89  | 79     |
| 5.00                             | 107   | 102 | 98        | 104 | 100 | 96  | 99  | 95            | 92  | 82     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.9DEG  
Operators:Zero huang  
Test Date:2024-01-04

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:60%  
Test Distance:26.000m [K=1.5110]  
Remarks:

ISOCANDELA DIAGRAM

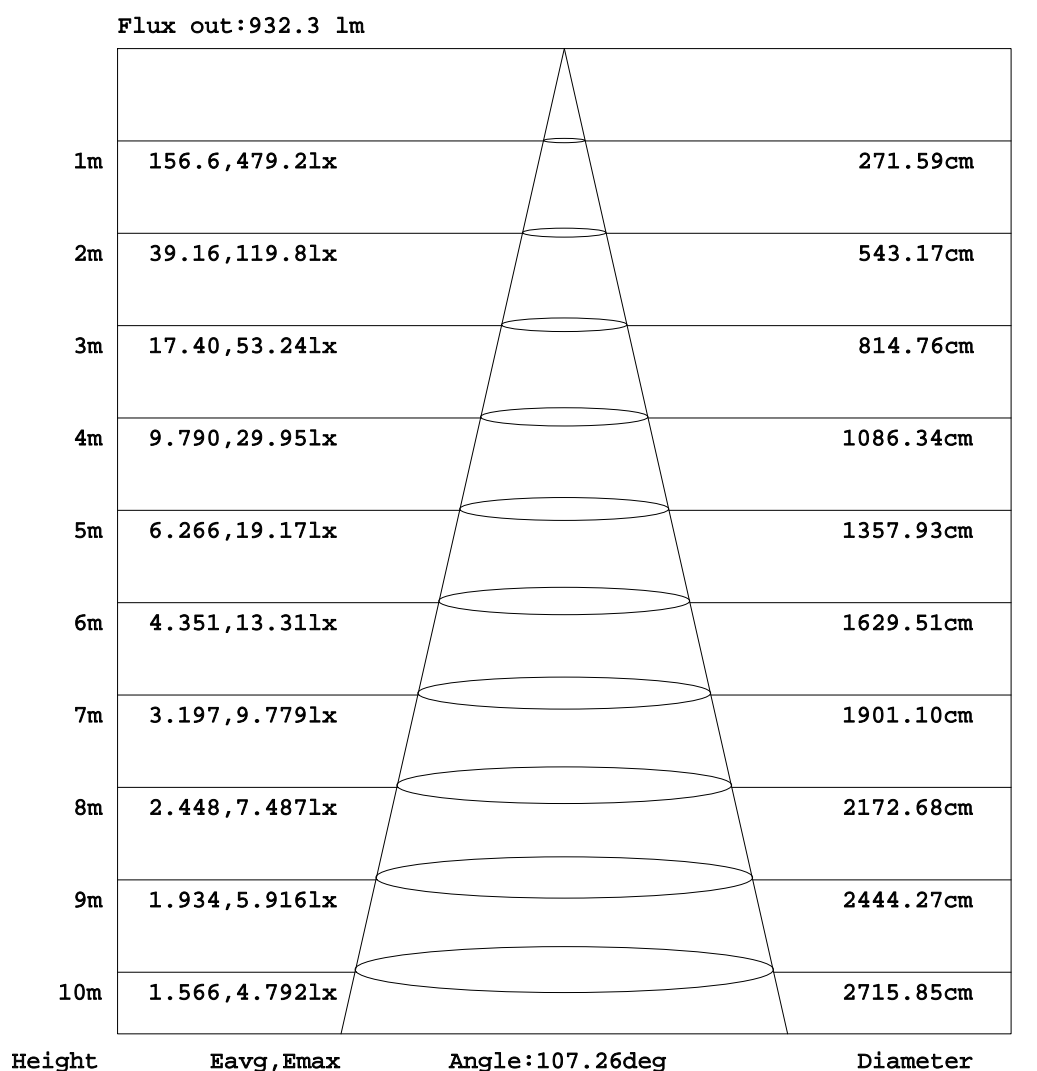
|  |          |                     |
|--|----------|---------------------|
| Test:U:24.009V I:0.5440A P:13.061W PF:1.0000 Freq:0Hz Lamp Flux:1400.57x1 lm |          |                     |
| NAME:  | TYPE:LED | WEIGHT:N/A          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:N/A      |
| MFR.:  | SUR.:    | Shielding Angle:N/A |



|                      |  |
|----------------------|--|
| C Range: 0 - 360DEG  | γ Range: 0 - 180DEG                              |
| C Interval: 22.5DEG  | γ Interval: 1.0DEG                               |
| Test Speed: HIGH     | Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366 |
| Temperature:24.9DEG  | Humidity:60%                                     |
| Operators:Zero huang | Test Distance:26.000m [K=1.5110]                 |
| Test Date:2024-01-04 | Remarks:   |

### AAI Figure

|  |          |                     |
|--|----------|---------------------|
| Test:U:24.009V I:0.5440A P:13.061W PF:1.0000 Freq:0Hz Lamp Flux:1400.57x1 lm |          |                     |
| NAME:  | TYPE:LED | WEIGHT:N/A          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:N/A      |
| MFR.:  | SUR.:    | Shielding Angle:N/A |

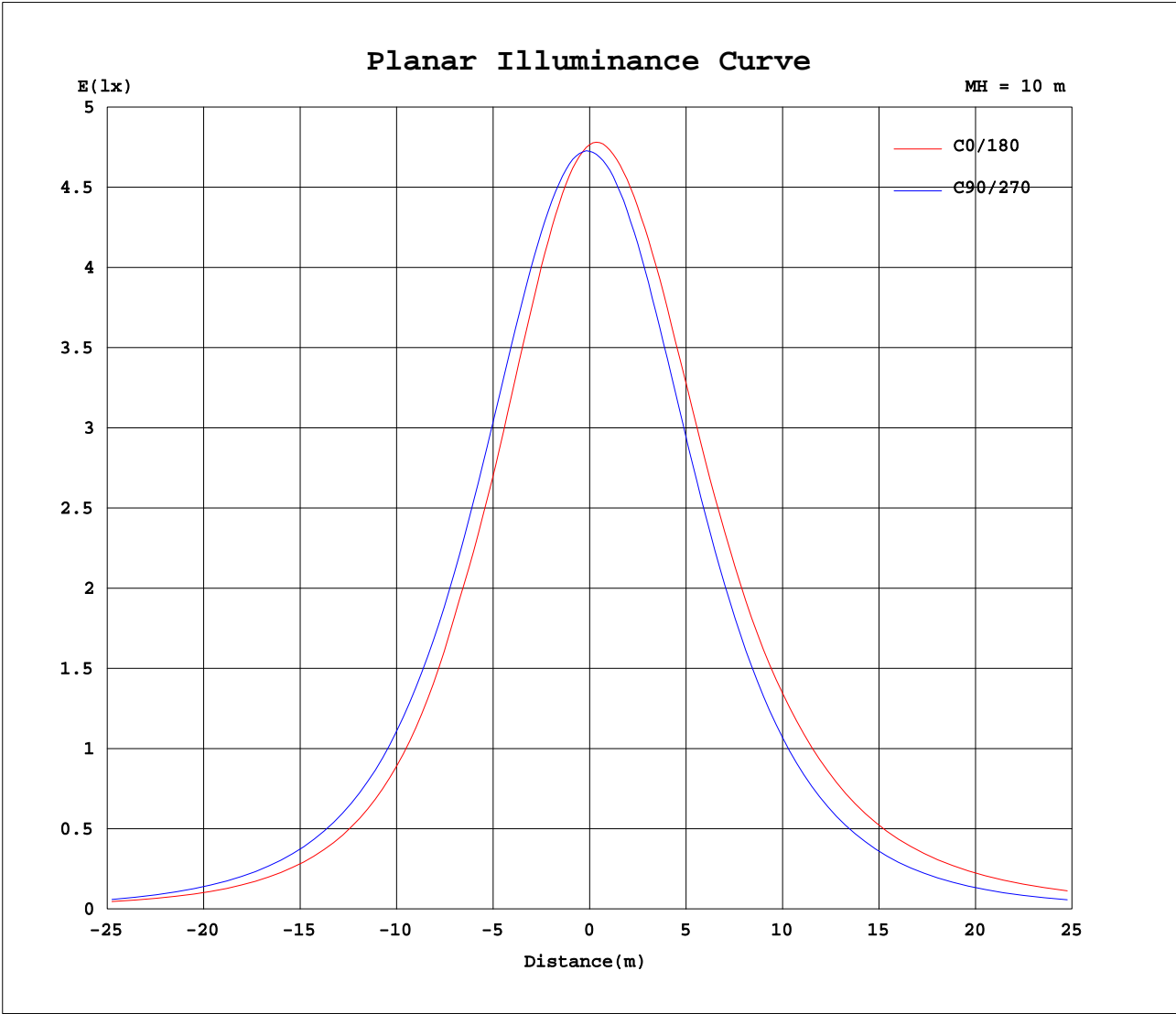


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Zero huang  
 Test Date:2024-01-04

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:60%  
 Test Distance:26.000m [K=1.5110]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.9DEG  
Operators:Zero huang  
Test Date:2024-01-04

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:60%  
Test Distance:26.000m [K=1.5110]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |  |  |  |  |                     |  |  |  |  |
|--|--|--|--|--|---------------------|--|--|--|--|
| Test:U:24.009V I:0.5440A P:13.061W PF:1.0000 Freq:0Hz Lamp Flux:1400.57x1 lm |  |  |  |  |                     |  |  |  |  |
| NAME:  |  |  |  |  | TYPE:LED            |  |  |  |  |
| SPEC.:N/A  |  |  |  |  | DIM.:               |  |  |  |  |
| MFR.:  |  |  |  |  | SUR.:               |  |  |  |  |
|  |  |  |  |  | Shielding Angle:N/A |  |  |  |  |

| Table--1          |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       | UNIT: cd |  |  |  |  |
|-------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|----------|--|--|--|--|
| C(DEG)<br>γ (DEG) | 0    | 22.5 | 45   | 67.5 | 90   | 112.5 | 135  | 157.5 | 180  | 202.5 | 225  | 247.5 | 270  | 292.5 | 315  | 337.5 |          |  |  |  |  |
| 0                 | 476  | 476  | 476  | 476  | 476  | 476   | 476  | 476   | 476  | 476   | 476  | 476   | 476  | 476   | 476  | 476   |          |  |  |  |  |
| 5                 | 466  | 467  | 470  | 471  | 476  | 476   | 478  | 479   | 480  | 480   | 478  | 475   | 472  | 472   | 468  | 465   |          |  |  |  |  |
| 10                | 452  | 453  | 456  | 459  | 471  | 474   | 476  | 479   | 480  | 480   | 476  | 472   | 466  | 463   | 457  | 452   |          |  |  |  |  |
| 15                | 433  | 432  | 439  | 443  | 463  | 465   | 470  | 476   | 477  | 477   | 471  | 465   | 455  | 451   | 443  | 434   |          |  |  |  |  |
| 20                | 411  | 410  | 422  | 428  | 451  | 452   | 461  | 468   | 472  | 471   | 462  | 453   | 440  | 433   | 423  | 412   |          |  |  |  |  |
| 25                | 385  | 385  | 398  | 402  | 433  | 438   | 446  | 457   | 461  | 459   | 449  | 437   | 421  | 411   | 399  | 387   |          |  |  |  |  |
| 30                | 359  | 361  | 368  | 377  | 412  | 418   | 430  | 440   | 446  | 444   | 432  | 419   | 397  | 387   | 373  | 362   |          |  |  |  |  |
| 35                | 331  | 335  | 338  | 347  | 384  | 392   | 408  | 420   | 427  | 426   | 411  | 395   | 370  | 355   | 340  | 338   |          |  |  |  |  |
| 40                | 291  | 296  | 304  | 313  | 353  | 363   | 379  | 395   | 403  | 401   | 385  | 366   | 339  | 320   | 304  | 295   |          |  |  |  |  |
| 45                | 251  | 255  | 263  | 277  | 316  | 330   | 351  | 371   | 380  | 376   | 356  | 334   | 304  | 283   | 265  | 255   |          |  |  |  |  |
| 50                | 213  | 215  | 223  | 239  | 275  | 295   | 317  | 342   | 351  | 347   | 325  | 297   | 265  | 243   | 226  | 217   |          |  |  |  |  |
| 55                | 175  | 177  | 182  | 200  | 232  | 257   | 281  | 308   | 315  | 311   | 288  | 257   | 224  | 202   | 186  | 178   |          |  |  |  |  |
| 60                | 138  | 140  | 143  | 160  | 188  | 218   | 241  | 266   | 277  | 272   | 249  | 216   | 180  | 160   | 145  | 143   |          |  |  |  |  |
| 65                | 105  | 106  | 108  | 120  | 143  | 176   | 201  | 227   | 239  | 231   | 209  | 173   | 136  | 122   | 110  | 109   |          |  |  |  |  |
| 70                | 78.9 | 78.9 | 76.5 | 82.2 | 96.7 | 133   | 162  | 187   | 199  | 192   | 167  | 131   | 94.0 | 85.3  | 78.5 | 80.4  |          |  |  |  |  |
| 75                | 51.9 | 52.6 | 51.2 | 51.6 | 57.7 | 96.0  | 126  | 150   | 161  | 153   | 127  | 92.3  | 56.9 | 53.9  | 51.9 | 55.5  |          |  |  |  |  |
| 80                | 25.8 | 25.6 | 28.0 | 29.0 | 29.0 | 61.9  | 92.3 | 116   | 126  | 118   | 91.5 | 59.5  | 27.9 | 31.3  | 32.6 | 30.3  |          |  |  |  |  |
| 85                | 17.1 | 17.0 | 16.3 | 15.5 | 10.1 | 36.6  | 64.2 | 87.1  | 96.2 | 87.0  | 61.8 | 34.4  | 9.89 | 16.9  | 17.9 | 17.5  |          |  |  |  |  |
| 90                | 16.0 | 16.1 | 14.5 | 10.1 | 1.79 | 20.2  | 40.1 | 60.6  | 71.5 | 63.3  | 39.3 | 17.9  | 1.38 | 9.51  | 13.5 | 15.0  |          |  |  |  |  |
| 95                | 8.15 | 8.01 | 3.44 | 0.47 | 0.09 | 0.83  | 0.70 | 13.8  | 19.1 | 13.4  | 0.86 | 0.21  | 0.00 | 1.14  | 0.26 | 6.41  |          |  |  |  |  |
| 100               | 4.39 | 4.58 | 7.38 | 2.79 | 0.00 | 2.33  | 11.2 | 5.39  | 4.52 | 5.60  | 5.43 | 4.38  | 0.09 | 3.91  | 9.59 | 7.04  |          |  |  |  |  |
| 105               | 15.4 | 13.9 | 10.3 | 4.28 | 0.00 | 4.59  | 10.9 | 14.6  | 15.3 | 10.1  | 10.7 | 6.29  | 0.28 | 4.10  | 10.9 | 14.7  |          |  |  |  |  |
| 110               | 16.4 | 15.5 | 11.2 | 4.28 | 0.00 | 5.43  | 10.9 | 13.9  | 14.6 | 13.6  | 12.0 | 7.08  | 0.47 | 4.16  | 11.0 | 16.1  |          |  |  |  |  |
| 115               | 17.5 | 16.6 | 11.4 | 4.28 | 0.09 | 5.71  | 11.0 | 13.9  | 14.4 | 14.4  | 12.8 | 7.61  | 0.74 | 3.64  | 11.0 | 16.2  |          |  |  |  |  |
| 120               | 17.9 | 16.6 | 11.5 | 4.22 | 0.09 | 6.06  | 12.1 | 14.0  | 15.4 | 15.5  | 13.7 | 8.22  | 1.14 | 2.95  | 11.0 | 16.3  |          |  |  |  |  |
| 125               | 17.8 | 16.7 | 11.7 | 4.15 | 0.09 | 6.76  | 12.3 | 14.8  | 16.3 | 16.2  | 13.9 | 8.39  | 1.26 | 2.58  | 11.0 | 16.3  |          |  |  |  |  |
| 130               | 17.7 | 16.6 | 11.6 | 3.60 | 0.09 | 4.06  | 12.8 | 15.8  | 17.1 | 16.7  | 14.1 | 8.11  | 1.49 | 1.76  | 10.3 | 16.4  |          |  |  |  |  |
| 135               | 17.7 | 16.5 | 11.4 | 1.76 | 0.09 | 3.14  | 13.4 | 16.2  | 17.1 | 16.7  | 14.2 | 5.58  | 1.47 | 1.56  | 8.77 | 15.5  |          |  |  |  |  |
| 140               | 17.2 | 15.8 | 10.4 | 0.96 | 0.19 | 6.80  | 13.3 | 16.3  | 17.2 | 16.7  | 14.2 | 1.14  | 1.46 | 1.30  | 8.20 | 13.8  |          |  |  |  |  |
| 145               | 15.8 | 14.6 | 9.00 | 1.96 | 0.37 | 6.81  | 13.1 | 16.0  | 17.2 | 16.8  | 14.3 | 4.02  | 1.44 | 1.21  | 4.86 | 12.5  |          |  |  |  |  |
| 150               | 13.8 | 12.3 | 1.88 | 1.85 | 0.58 | 6.65  | 6.69 | 15.6  | 16.9 | 16.8  | 14.3 | 6.94  | 1.43 | 1.21  | 1.54 | 9.38  |          |  |  |  |  |
| 155               | 7.52 | 3.29 | 2.34 | 1.52 | 0.61 | 5.98  | 2.95 | 15.1  | 16.3 | 16.3  | 7.37 | 7.52  | 1.41 | 1.21  | 1.45 | 0.95  |          |  |  |  |  |
| 160               | 2.12 | 4.56 | 2.71 | 1.22 | 0.63 | 4.60  | 8.45 | 0.94  | 0.85 | 0.95  | 3.16 | 7.43  | 1.38 | 1.67  | 1.11 | 2.39  |          |  |  |  |  |
| 165               | 2.66 | 2.60 | 1.66 | 1.20 | 0.83 | 2.18  | 7.36 | 9.05  | 10.1 | 10.3  | 9.52 | 5.94  | 1.29 | 1.71  | 1.11 | 1.36  |          |  |  |  |  |
| 170               | 1.28 | 1.33 | 1.30 | 1.17 | 1.67 | 1.30  | 4.89 | 7.86  | 7.16 | 7.25  | 6.46 | 3.74  | 1.26 | 1.76  | 1.20 | 1.12  |          |  |  |  |  |
| 175               | 1.08 | 1.17 | 1.25 | 1.15 | 1.89 | 1.24  | 1.46 | 2.14  | 2.04 | 2.23  | 1.31 | 1.31  | 1.22 | 1.80  | 1.20 | 1.05  |          |  |  |  |  |
| 180               | 1.02 | 1.12 | 1.22 | 1.14 | 1.95 | 1.21  | 1.28 | 1.03  | 0.60 | 1.04  | 1.14 | 1.22  | 1.21 | 1.82  | 1.20 | 1.20  |          |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.9DEG  
Operators:Zero huang  
Test Date:2024-01-04

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
Humidity:60%  
Test Distance:26.000m [K=1.5110]  
Remarks: