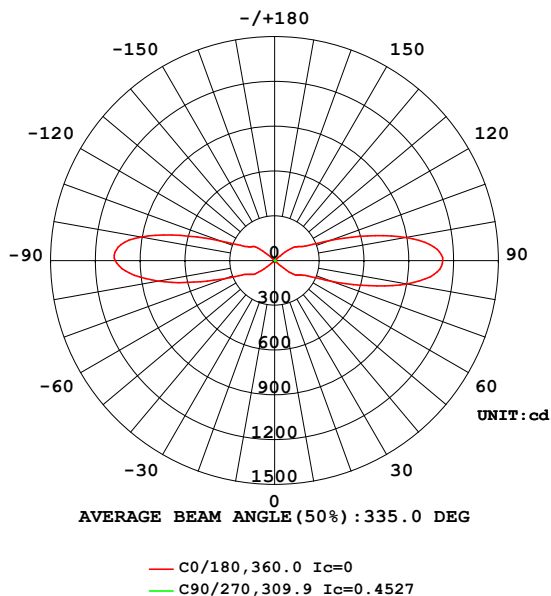


## LUMINAIRE PHOTOMETRIC TEST REPORT

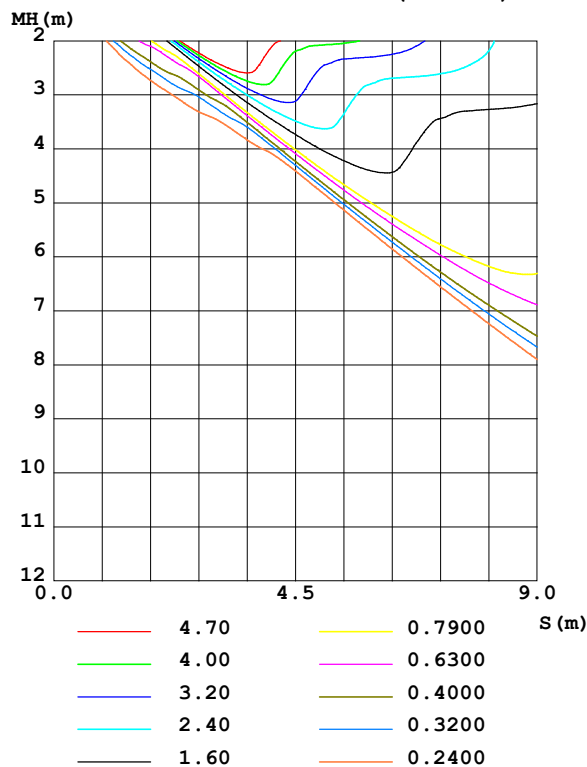
|   |                             |                  |
|---|-----------------------------|------------------|
| Test:U:119.82V I:0.0824A P:9.7760W PF:0.9897 Freq:59.98Hz<br>Lamp Flux:948.066x1 lm |                             |                  |
| NAME: 1013 圓桶壁燈 10W 普瑞 COB FULL 062A-L  | TYPE:                       | WEIGHT:          |
| SPEC.: 4000K  | DIM.:                       | SERIAL No.:      |
| MFR.:   | SUR.: 0.00255m <sup>2</sup> | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA      |         |                   |  | Eff: 96.98 lm/W |
|------------------|---------|-----------------------|---------|-------------------|--|-----------------|
| MODEL            |         | I <sub>max</sub> (cd) | 1127    | S/MH(C0/180)      |  | 0.00            |
| NOMINAL POWER(W) |         | LOR(%)                | 100.0   | S/MH(C90/270)     |  | 1.22            |
| RATED VOLTAGE(V) |         | TOTAL FLUX(lm)        | 948.06  | η UP,DN(C0-180)   |  | 25.2,25.2       |
| NOMINAL FLUX(lm) | 948.066 | CIE CLASS             | DIFFUSE | η UP,DN(C180-360) |  | 25.5,24.1       |
| LAMPS INSIDE     | 1       | η up (%)              | 50.7    | CIBSE SHR NOM     |  | 0.50            |
| TEST VOLTAGE(V)  |         | η down (%)            | 49.3    | CIBSE SHR MAX     |  | 0.50            |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

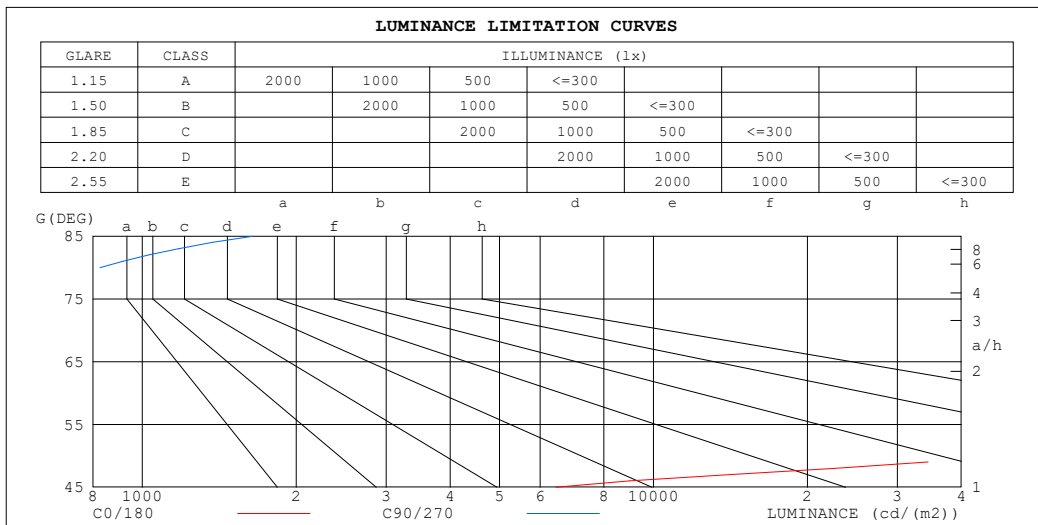
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total |        |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|--------|
| 10       | 0.1079                | 0.0800 | 0.4507 | 0.1720 | 0.2690 | 0.2126 | 0.4206 | 0.1123 | 0- 10    | 0.0161      | 0.0161       | 0.0161 |
| 20       | 0.5599                | 0.2161 | 0.4496 | 0.5323 | 0.9465 | 0.5533 | 0.3896 | 0.2487 | 10- 20   | 0.1009      | 0.1171       | 0.1171 |
| 30       | 2.101                 | 0.5684 | 0.4407 | 1.145  | 2.619  | 1.106  | 0.3613 | 0.6416 | 20- 30   | 0.3675      | 0.4846       | 0.4846 |
| 40       | 6.067                 | 1.337  | 0.4100 | 2.174  | 6.956  | 2.061  | 0.3357 | 1.488  | 30- 40   | 1.116       | 1.601        | 1.601  |
| 50       | 78.45                 | 2.498  | 0.3931 | 3.731  | 51.41  | 3.383  | 0.3277 | 2.879  | 40- 50   | 4.040       | 5.640        | 5.640  |
| 60       | 194.2                 | 4.065  | 0.3766 | 5.751  | 187.1  | 5.070  | 0.3215 | 4.923  | 50- 60   | 30.67       | 36.31        | 36.31  |
| 70       | 409.6                 | 6.824  | 0.3667 | 8.422  | 353.3  | 9.237  | 0.3190 | 8.436  | 60- 70   | 75.50       | 111.8        | 111.8  |
| 80       | 901.9                 | 9.578  | 0.3659 | 11.31  | 793.3  | 11.59  | 0.3162 | 10.49  | 70- 80   | 140.6       | 252.5        | 252.5  |
| 90       | 1127                  | 10.54  | 0.3650 | 12.27  | 1068   | 12.83  | 0.3125 | 13.19  | 80- 90   | 215.4       | 467.8        | 467.8  |
| 100      | 896.2                 | 8.937  | 0.3446 | 11.62  | 912.0  | 11.91  | 0.2905 | 9.990  | 90-100   | 220.1       | 687.9        | 687.9  |
| 110      | 397.4                 | 6.100  | 0.3197 | 8.826  | 386.5  | 9.446  | 0.2604 | 7.055  | 100-110  | 145.4       | 833.3        | 833.3  |
| 120      | 189.1                 | 3.812  | 0.3036 | 5.447  | 188.2  | 5.045  | 0.2484 | 4.521  | 110-120  | 76.04       | 909.4        | 909.4  |
| 130      | 70.56                 | 2.353  | 0.2947 | 3.628  | 82.22  | 3.332  | 0.2335 | 2.730  | 120-130  | 32.91       | 942.3        | 942.3  |
| 140      | 5.519                 | 1.267  | 0.2765 | 2.181  | 7.370  | 2.074  | 0.2283 | 1.401  | 130-140  | 4.267       | 946.5        | 946.5  |
| 150      | 1.929                 | 0.5572 | 0.2656 | 1.235  | 2.774  | 1.161  | 0.2253 | 0.5923 | 140-150  | 1.074       | 947.6        | 947.6  |
| 160      | 0.5256                | 0.2246 | 0.2364 | 0.6054 | 1.036  | 0.5564 | 0.2117 | 0.2041 | 150-160  | 0.3544      | 948.0        | 948.0  |
| 170      | 0.1285                | 0.0963 | 0.2187 | 0.2367 | 0.2799 | 0.1920 | 0.2097 | 0.0639 | 160-170  | 0.0892      | 948.1        | 948.1  |
| 180      | 0                     | 0      | 0.2163 | 0      | 0      | 0      | 0.2043 | 0      | 170-180  | 0.0111      | 948.1        | 948.1  |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |        |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|   |                             |                  |
|---|-----------------------------|------------------|
| Test:U:119.82V I:0.0824A P:9.7760W PF:0.9897 Freq:59.98Hz<br>Lamp Flux:948.066x1 lm |                             |                  |
| NAME: 1013 圆桶壁灯 10W 普瑞 COB FULL 062A-L  | TYPE:                       | WEIGHT:          |
| SPEC.: 4000K  | DIM.:                       | SERIAL No.:      |
| MFR.:   | SUR.: 0.00255m <sup>2</sup> | Shielding Angle: |



| LUMINANCE cd/(m2) |         |         |
|-------------------|---------|---------|
| G (DEG)           | C0/180  | C90/270 |
| 85                | 4826134 | 1644    |
| 80                | 2036690 | 826     |
| 75                | 990075  | 555     |
| 70                | 469646  | 420     |
| 65                | 228217  | 343     |
| 60                | 152324  | 295     |
| 55                | 113761  | 264     |
| 50                | 47859   | 240     |
| 45                | 6437    | 221     |

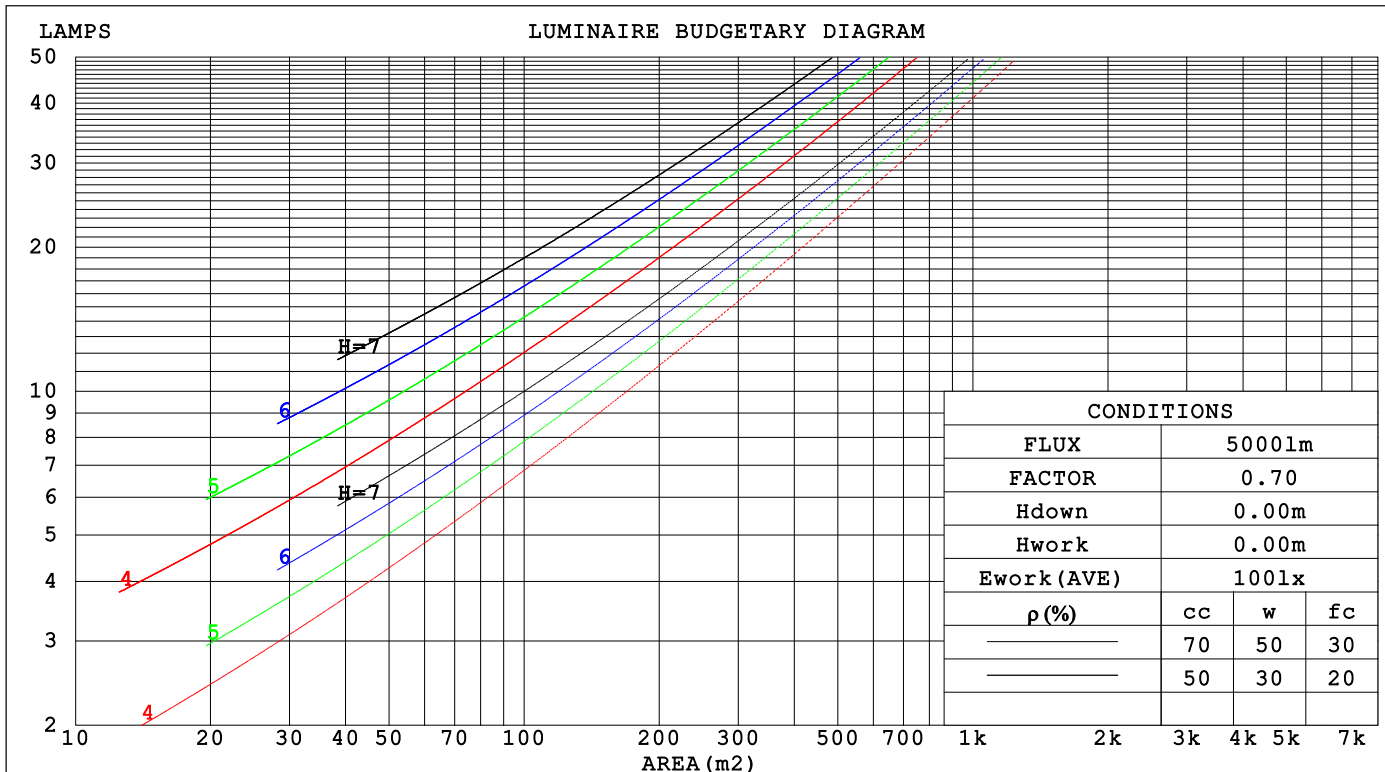
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                             |                  |
|---|-----------------------------|------------------|
| Test:U:119.82V I:0.0824A P:9.7760W PF:0.9897 Freq:59.98Hz<br>Lamp Flux:948.066x1 lm |                             |                  |
| NAME: 1013 圓桶壁灯 10W 普瑞 COB FULL 062A-L  | TYPE:                       | WEIGHT:          |
| SPEC.: 4000K  | DIM.:                       | SERIAL No.:      |
| MFR.:   | SUR.: 0.00255m <sup>2</sup> | 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  | 1.07                  | 1.07 | 1.07 | .99 | .99 | .99 | .83 | .83 | .83 | .69 | .69 | .69 | .56 | .56 | .56 | .49                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.0  | .78                   | .70  | .63  | .71 | .64 | .57 | .57 | .51 | .46 | .44 | .40 | .36 | .32 | .29 | .26 | .20                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0  | .64                   | .54  | .45  | .57 | .48 | .40 | .45 | .38 | .32 | .34 | .28 | .23 | .24 | .19 | .16 | .10                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0  | .54                   | .43  | .34  | .48 | .39 | .31 | .38 | .30 | .24 | .28 | .22 | .17 | .19 | .14 | .10 | .06                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0  | .46                   | .36  | .27  | .42 | .32 | .24 | .33 | .25 | .19 | .24 | .18 | .13 | .16 | .11 | .07 | .03                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0  | .41                   | .30  | .22  | .37 | .27 | .20 | .29 | .21 | .15 | .21 | .15 | .10 | .14 | .09 | .06 | .02                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0  | .36                   | .26  | .19  | .32 | .23 | .17 | .25 | .18 | .13 | .19 | .13 | .09 | .13 | .08 | .05 | .01                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0  | .32                   | .23  | .16  | .29 | .20 | .14 | .23 | .16 | .11 | .17 | .11 | .07 | .12 | .07 | .04 | .01                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0  | .29                   | .20  | .14  | .26 | .18 | .12 | .21 | .14 | .09 | .16 | .10 | .06 | .11 | .06 | .03 | .01                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0  | .27                   | .18  | .12  | .24 | .16 | .11 | .19 | .13 | .08 | .14 | .09 | .05 | .10 | .06 | .03 | .00                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0 | .24                   | .16  | .11  | .22 | .14 | .09 | .18 | .11 | .07 | .13 | .08 | .05 | .09 | .05 | .02 | .00                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

### WEC AND CCEC

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:119.82V I:0.0824A P:9.7760W PF:0.9897 Freq:59.98Hz<br>Lamp Flux:948.066x1 lm |                 |                  |
| NAME: 1013 圓桶壁灯 10W 普瑞 COB FULL 062A-L  | TYPE:           | WEIGHT:          |
| SPEC.: 4000K  | DIM.:           | SERIAL No.:      |
| MFR.:   | SUR.: 0.00255m² | 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  | .571                  | .325 | .103 | .548 | .313 | .099 | .505                            | .290 | .092 | .465 | .268 | .086 | .428 | .248 | .080 |   |  |
| 2.0  | .431                  | .236 | .073 | .410 | .226 | .070 | .371                            | .206 | .064 | .334 | .187 | .059 | .300 | .170 | .054 |   |  |
| 3.0  | .355                  | .189 | .057 | .336 | .180 | .054 | .300                            | .162 | .049 | .266 | .146 | .045 | .235 | .130 | .040 |   |  |
| 4.0  | .304                  | .158 | .047 | .287 | .150 | .044 | .254                            | .135 | .040 | .223 | .120 | .036 | .194 | .106 | .032 |   |  |
| 5.0  | .267                  | .136 | .039 | .251 | .129 | .038 | .221                            | .115 | .034 | .193 | .102 | .030 | .166 | .089 | .027 |   |  |
| 6.0  | .239                  | .120 | .034 | .224 | .113 | .033 | .196                            | .101 | .029 | .170 | .088 | .026 | .146 | .077 | .023 |   |  |
| 7.0  | .216                  | .107 | .030 | .203 | .101 | .029 | .177                            | .089 | .026 | .153 | .078 | .023 | .130 | .067 | .020 |   |  |
| 8.0  | .198                  | .097 | .027 | .185 | .091 | .026 | .161                            | .080 | .023 | .139 | .070 | .020 | .117 | .060 | .018 |   |  |
| 9.0  | .182                  | .088 | .025 | .170 | .083 | .023 | .148                            | .073 | .021 | .127 | .064 | .018 | .107 | .054 | .016 |   |  |
| 10.0 | .169                  | .081 | .022 | .158 | .076 | .021 | .137                            | .067 | .019 | .117 | .058 | .017 | .099 | .050 | .014 |   |  |

| 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  | .576                  | .576 | .576 | .493 | .493 | .493 | .336  | .336 | .336 | .193 | .193 | .193 | .062 | .062 | .062 |   |  |
| 1.0  | .588                  | .543 | .503 | .503 | .466 | .433 | .344  | .321 | .299 | .198 | .186 | .174 | .063 | .060 | .056 |   |  |
| 2.0  | .583                  | .523 | .473 | .499 | .450 | .409 | .342  | .311 | .285 | .197 | .181 | .167 | .063 | .059 | .054 |   |  |
| 3.0  | .575                  | .509 | .456 | .493 | .439 | .395 | .338  | .305 | .277 | .195 | .178 | .163 | .063 | .058 | .054 |   |  |
| 4.0  | .566                  | .498 | .446 | .486 | .430 | .387 | .334  | .300 | .273 | .193 | .176 | .161 | .062 | .057 | .053 |   |  |
| 5.0  | .557                  | .489 | .439 | .479 | .423 | .382 | .330  | .296 | .269 | .191 | .174 | .160 | .062 | .057 | .053 |   |  |
| 6.0  | .549                  | .482 | .434 | .472 | .417 | .378 | .326  | .292 | .267 | .189 | .172 | .159 | .061 | .056 | .052 |   |  |
| 7.0  | .541                  | .476 | .430 | .466 | .412 | .375 | .322  | .289 | .265 | .187 | .170 | .158 | .060 | .056 | .052 |   |  |
| 8.0  | .534                  | .471 | .427 | .460 | .408 | .372 | .318  | .287 | .264 | .185 | .169 | .157 | .060 | .055 | .052 |   |  |
| 9.0  | .527                  | .466 | .425 | .454 | .405 | .371 | .315  | .284 | .263 | .183 | .168 | .157 | .059 | .055 | .052 |   |  |
| 10.0 | .521                  | .462 | .423 | .449 | .401 | .369 | .311  | .282 | .262 | .182 | .167 | .157 | .059 | .055 | .052 |   |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

|   |                  |      |      |      |                 |                |      |                  |      |      |
|---|------------------|------|------|------|-----------------|----------------|------|------------------|------|------|
| Test:U:119.82V I:0.0824A P:9.7760W PF:0.9897 Freq:59.98Hz<br>Lamp Flux:948.066x1 lm |                  |      |      |      |                 |                |      |                  |      |      |
| NAME: 1013 圓桶壁灯 10W 普瑞 COB FULL 062A-L  |                  |      |      |      | TYPE:           |                |      | WEIGHT:          |      |      |
| SPEC.: 4000K  |                  |      |      |      | DIM.:           |                |      | SERIAL No.:      |      |      |
| MFR.:   |                  |      |      |      | SUR.: 0.00255m² |                |      | 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   | 27.3             | 28.5 | 28.2 | 29.5 | 30.7            | -6.4           | -5.2 | -5.5             | -4.2 | -3.0 |
| 3H  | 34.6             | 35.7 | 35.5 | 36.6 | 37.9            | -5.4           | -4.3 | -4.5             | -3.3 | -2.1 |
| 4H  | 39.2             | 40.3 | 40.1 | 41.3 | 42.5            | -4.6           | -3.5 | -3.7             | -2.5 | -1.3 |
| 6H  | 44.0             | 45.0 | 45.0 | 46.0 | 47.3            | -3.5           | -2.5 | -2.5             | -1.5 | -0.2 |
| 8H  | 46.4             | 47.4 | 47.3 | 48.4 | 49.7            | -2.8           | -1.8 | -1.9             | -0.9 | 0.4  |
| 12H   | 48.8             | 49.8 | 49.8 | 50.8 | 52.1            | -2.0           | -1.1 | -1.1             | -0.1 | 1.2  |
| 4H 2H   | 27.1             | 28.1 | 28.0 | 29.1 | 30.3            | 16.5           | 17.5 | 17.4             | 18.5 | 19.7 |
| 3H  | 34.5             | 35.4 | 35.4 | 36.4 | 37.7            | 16.1           | 17.1 | 17.0             | 18.0 | 19.3 |
| 4H  | 39.2             | 40.1 | 40.2 | 41.1 | 42.4            | 15.9           | 16.8 | 16.9             | 17.8 | 19.1 |
| 6H  | 44.3             | 45.1 | 45.2 | 46.1 | 47.4            | 15.7           | 16.5 | 16.7             | 17.6 | 18.9 |
| 8H  | 46.9             | 47.6 | 47.8 | 48.6 | 50.0            | 15.6           | 16.4 | 16.6             | 17.4 | 18.8 |
| 12H   | 49.6             | 50.3 | 50.6 | 51.3 | 52.7            | 15.6           | 16.3 | 16.5             | 17.3 | 18.7 |
| 8H 4H   | 39.0             | 39.7 | 39.9 | 40.7 | 42.1            | 24.6           | 25.4 | 25.6             | 26.4 | 27.7 |
| 6H  | 44.1             | 44.8 | 45.1 | 45.8 | 47.2            | 24.4           | 25.1 | 25.4             | 26.1 | 27.5 |
| 8H  | 46.8             | 47.4 | 47.8 | 48.5 | 49.9            | 24.3           | 24.9 | 25.3             | 26.0 | 27.4 |
| 12H   | 49.9             | 50.4 | 50.9 | 51.5 | 52.9            | 24.2           | 24.8 | 25.2             | 25.8 | 27.2 |
| 12H 4H  | 38.9             | 39.6 | 39.8 | 40.6 | 42.0            | 28.2           | 28.9 | 29.2             | 29.9 | 31.3 |
| 6H  | 44.0             | 44.6 | 45.0 | 45.7 | 47.0            | 28.2           | 28.8 | 29.2             | 29.8 | 31.2 |
| 8H  | 46.8             | 47.3 | 47.8 | 48.4 | 49.8            | 28.1           | 28.7 | 29.1             | 29.7 | 31.1 |
| Variations with the observer position at spacings(CIE Pub.117):                     |                  |      |      |      |                 |                |      |                  |      |      |
| S = 1.0H  | + 0.2 / - 0.2    |      |      |      |                 | + 0.3 / - 0.4  |      |                  |      |      |
| 1.5H  | + 0.5 / - 0.4    |      |      |      |                 | + 0.9 / - 0.3  |      |                  |      |      |
| 2.0H  | + 0.9 / - 0.8    |      |      |      |                 | + 1.8 / - 1.2  |      |                  |      |      |

CIE Pub.117, 948.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.2)  
Area: 0.00255 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:119.82V I:0.0824A P:9.7760W PF:0.9897 Freq:59.98Hz<br>Lamp Flux:948.066x1 lm |                 |                  |
| NAME: 1013 圓桶壁灯 10W 普瑞 COB FULL 062A-L  | TYPE:           | WEIGHT:          |
| SPEC.: 4000K  | DIM.:           | SERIAL No.:      |
| MFR.:   | SUR.: 0.00255m² | Shielding Angle: |

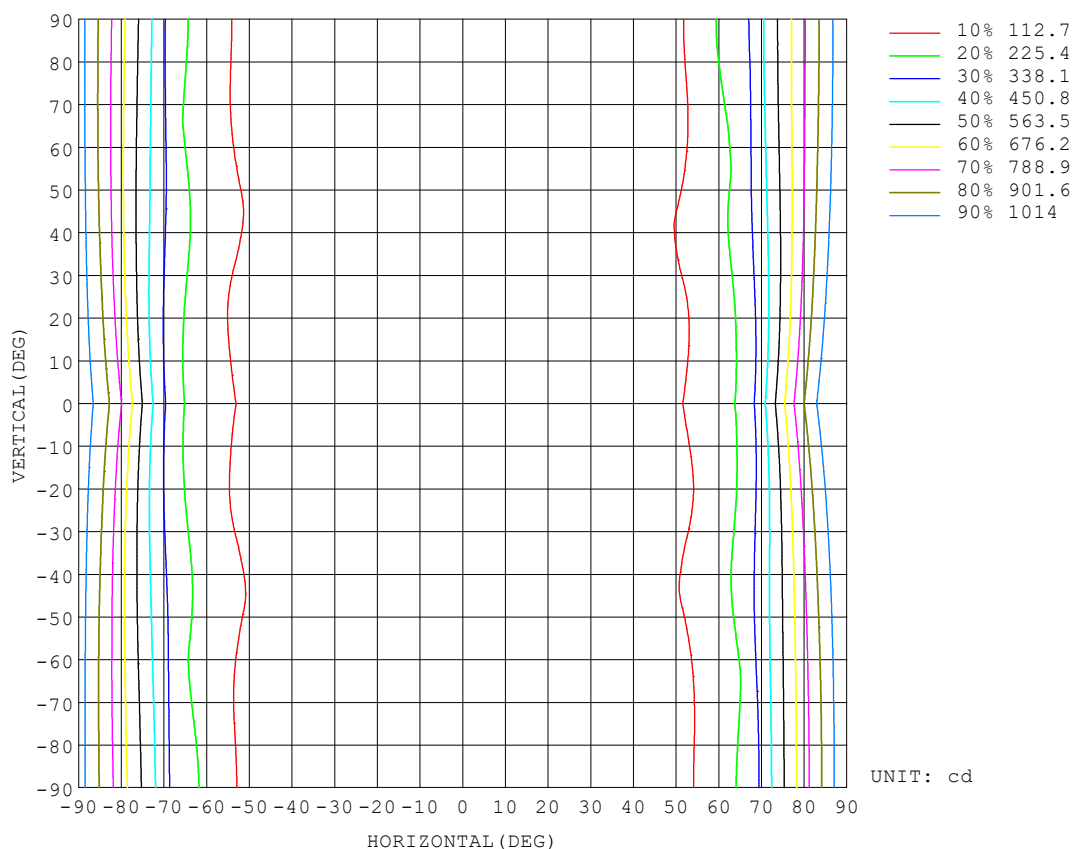
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 30   | 16  | 8         | 28  | 15  | 8   | 26  | 14            | 7   | 1      |
| 0.80                             | 37   | 21  | 11        | 34  | 20  | 11  | 31  | 18            | 10  | 1      |
| 1.00                             | 42   | 26  | 15        | 40  | 24  | 14  | 34  | 24            | 12  | 1      |
| 1.25                             | 48   | 31  | 19        | 45  | 29  | 18  | 39  | 25            | 16  | 3      |
| 1.50                             | 53   | 36  | 24        | 49  | 33  | 22  | 42  | 29            | 19  | 4      |
| 2.00                             | 61   | 44  | 32        | 56  | 41  | 29  | 47  | 35            | 25  | 7      |
| 2.50                             | 67   | 50  | 38        | 61  | 47  | 35  | 51  | 39            | 30  | 10     |
| 3.00                             | 71   | 56  | 44        | 65  | 51  | 40  | 54  | 43            | 34  | 13     |
| 4.00                             | 77   | 63  | 52        | 71  | 58  | 48  | 59  | 49            | 40  | 17     |
| 5.00                             | 81   | 69  | 59        | 74  | 64  | 54  | 62  | 53            | 45  | 20     |
| 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: 25.3℃  
Operators:  
Test Date: 2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:119.82V I:0.0824A P:9.7760W PF:0.9897 Freq:59.98Hz<br>Lamp Flux:948.066x1 lm |                 |                  |
| NAME: 1013 圆桶壁灯 10W 普瑞 COB FULL 062A-L  | TYPE:           | WEIGHT:          |
| SPEC.: 4000K  | DIM.:           | SERIAL No.:      |
| MFR.:   | SUR.: 0.00255m² | Shielding Angle: |



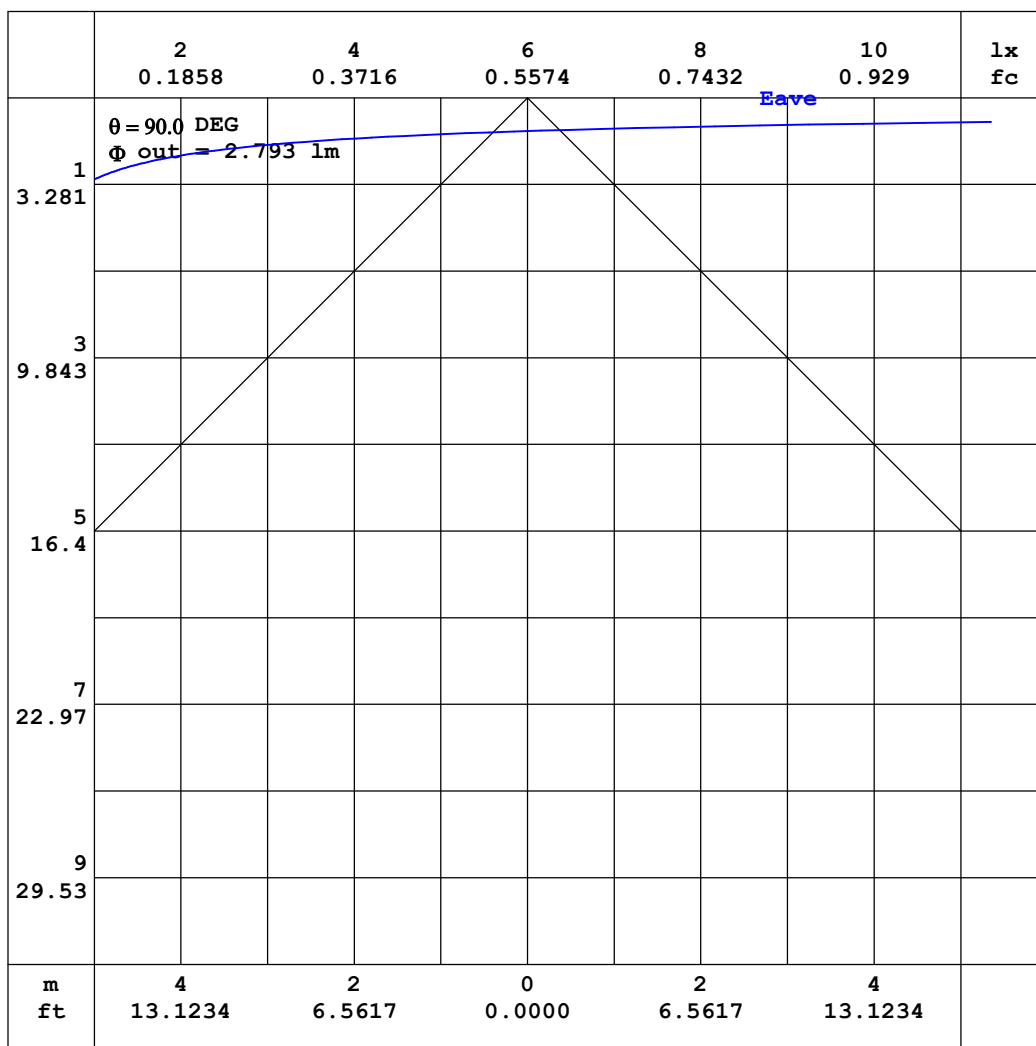
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:



### AAI CURVES

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:119.82V I:0.0824A P:9.7760W PF:0.9897 Freq:59.98Hz<br>Lamp Flux:948.066x1 lm |                 |                  |
| NAME: 1013 圆桶壁灯 10W 普瑞 COB FULL 062A-L  | TYPE:           | WEIGHT:          |
| SPEC.: 4000K  | DIM.:           | SERIAL No.:      |
| MFR.:   | SUR.: 0.00255m² | Shielding Angle: |



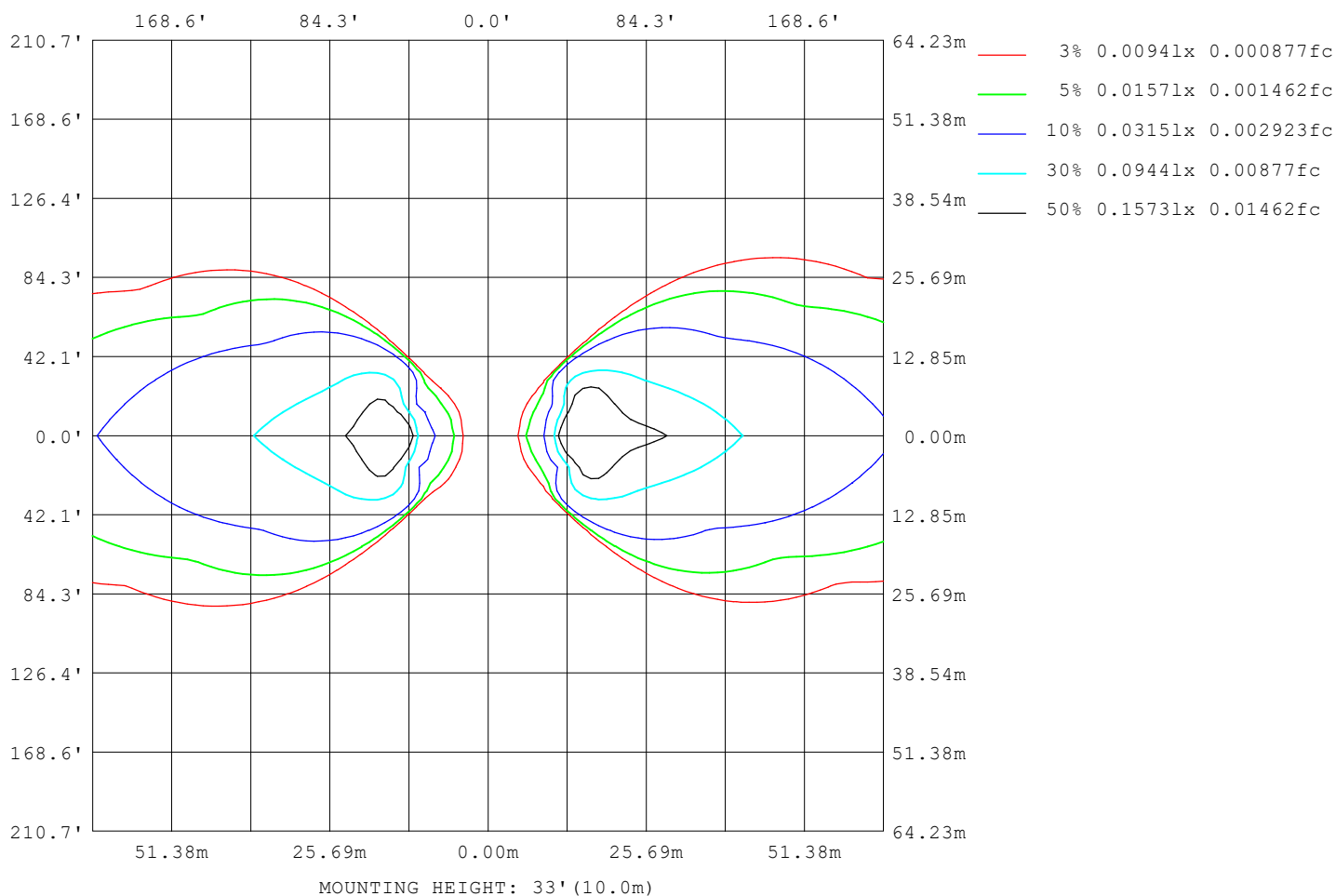
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:119.82V I:0.0824A P:9.7760W PF:0.9897 Freq:59.98Hz<br>Lamp Flux:948.066x1 lm |                 |                  |
| NAME: 1013 圓桶壁灯 10W 普瑞 COB FULL 062A-L  | TYPE:           | WEIGHT:          |
| SPEC.: 4000K  | DIM.:           | SERIAL No.:      |
| MFR.:   | SUR.: 0.00255m² | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

## LED Avg.L Report

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:119.82V I:0.0824A P:9.7760W PF:0.9897 Freq:59.98Hz<br>Lamp Flux:948.066x1 lm |                 |                  |
| NAME: 1013 圆桶壁灯 10W 普瑞 COB FULL 062A-L  | TYPE:           | WEIGHT:          |
| SPEC.: 4000K  | DIM.:           | SERIAL No.:      |
| MFR.:   | SUR.: 0.00255m² | Shielding Angle: |

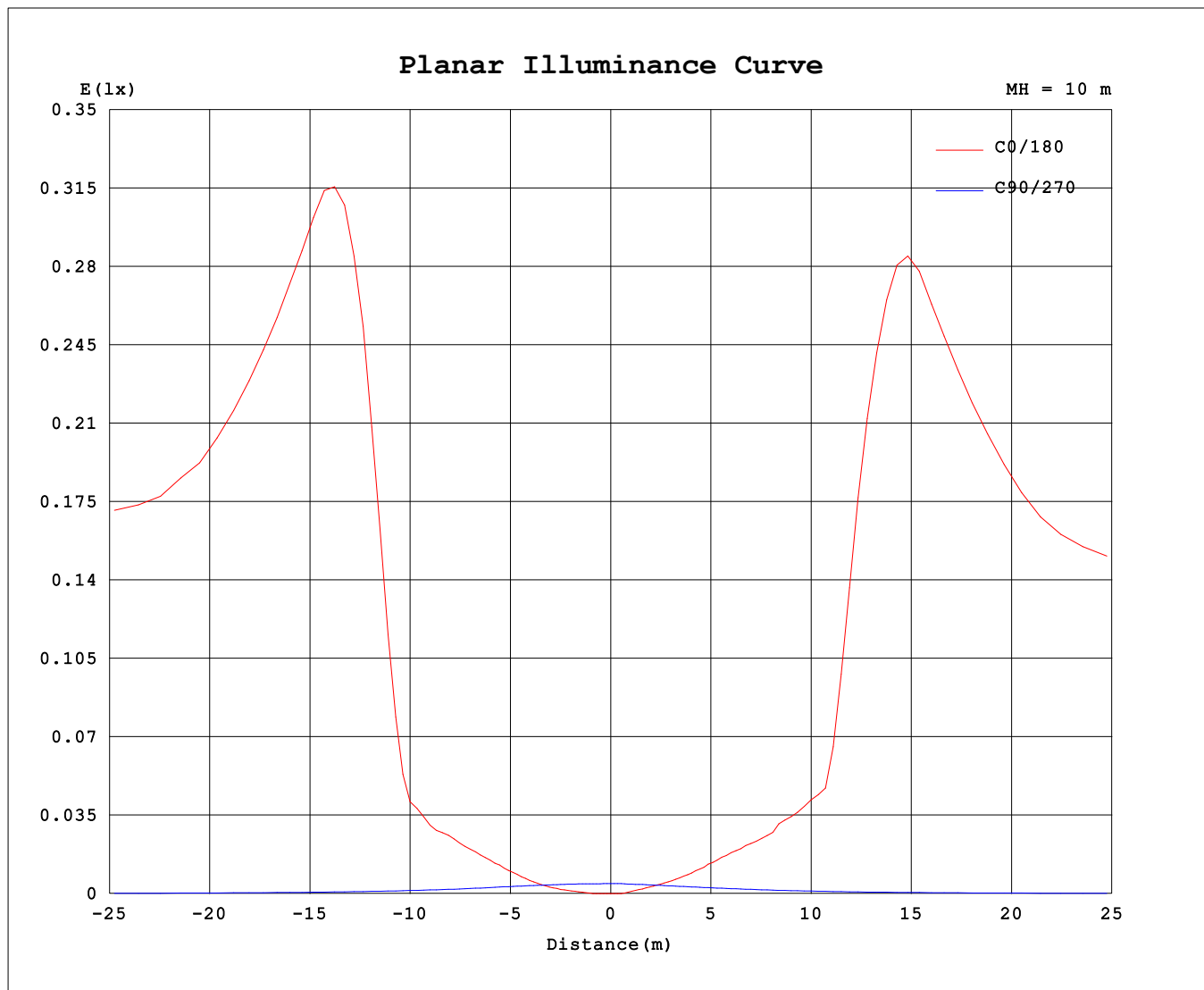
| AvgL             | cd/m2   |
|------------------|---------|
| L_0~180 (65) av  | 217511  |
| L_0~180 (75) av  | 920608  |
| L_0~180 (85) av  | 4608832 |
| L_90~270 (65) av | 320     |
| L_90~270 (75) av | 518     |
| L_90~270 (85) av | 1529    |
| L_45 (65) av     | 5770    |
| L_45 (75) av     | 14669   |
| L_45 (85) av     | 52590   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators:  
Test Date: 2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:119.82V I:0.0824A P:9.7760W PF:0.9897 Freq:59.98Hz<br>Lamp Flux:948.066x1 lm |                 |                  |
| NAME: 1013 圓桶壁灯 10W 普瑞 COB FULL 062A-L  | TYPE:           | WEIGHT:          |
| SPEC.: 4000K  | DIM.:           | SERIAL No.:      |
| MFR.:   | SUR.: 0.00255m² | Shielding Angle: |

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                  | 0.00 | 0.00 | 0.00 | 0.22 | 0.45 | 0.21  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.22  | 0.45 | 0.21  | 0.00 | 0.00  |  |  |  |
| 5                  | 0.01 | 0.05 | 0.00 | 0.24 | 0.45 | 0.25  | 0.03 | 0.06  | 0.07 | 0.02  | 0.08 | 0.22  | 0.44 | 0.21  | 0.04 | 0.00  |  |  |  |
| 10                 | 0.11 | 0.13 | 0.08 | 0.26 | 0.45 | 0.34  | 0.17 | 0.24  | 0.27 | 0.20  | 0.21 | 0.29  | 0.42 | 0.22  | 0.11 | 0.08  |  |  |  |
| 15                 | 0.26 | 0.24 | 0.14 | 0.31 | 0.45 | 0.43  | 0.34 | 0.48  | 0.53 | 0.43  | 0.37 | 0.37  | 0.40 | 0.25  | 0.17 | 0.19  |  |  |  |
| 20                 | 0.56 | 0.45 | 0.22 | 0.32 | 0.45 | 0.51  | 0.53 | 0.82  | 0.95 | 0.75  | 0.55 | 0.45  | 0.39 | 0.26  | 0.25 | 0.41  |  |  |  |
| 25                 | 1.15 | 0.86 | 0.34 | 0.34 | 0.45 | 0.61  | 0.78 | 1.38  | 1.59 | 1.30  | 0.78 | 0.53  | 0.37 | 0.28  | 0.40 | 0.84  |  |  |  |
| 30                 | 2.10 | 1.48 | 0.57 | 0.36 | 0.44 | 0.71  | 1.14 | 2.16  | 2.62 | 2.03  | 1.11 | 0.62  | 0.36 | 0.32  | 0.64 | 1.51  |  |  |  |
| 35                 | 3.61 | 2.46 | 0.90 | 0.39 | 0.42 | 0.80  | 1.60 | 3.30  | 4.09 | 3.16  | 1.53 | 0.71  | 0.35 | 0.34  | 1.01 | 2.56  |  |  |  |
| 40                 | 6.07 | 3.81 | 1.34 | 0.42 | 0.41 | 0.89  | 2.17 | 4.91  | 6.96 | 4.59  | 2.06 | 0.79  | 0.34 | 0.39  | 1.49 | 4.06  |  |  |  |
| 45                 | 11.6 | 5.98 | 1.87 | 0.46 | 0.40 | 1.01  | 2.87 | 8.23  | 11.9 | 7.47  | 2.67 | 0.89  | 0.33 | 0.44  | 2.11 | 6.46  |  |  |  |
| 50                 | 78.4 | 11.3 | 2.50 | 0.49 | 0.39 | 1.11  | 3.73 | 12.5  | 51.4 | 11.9  | 3.38 | 0.98  | 0.33 | 0.51  | 2.88 | 13.1  |  |  |  |
| 55                 | 166  | 48.6 | 3.26 | 0.54 | 0.39 | 1.23  | 4.74 | 43.3  | 149  | 35.0  | 4.20 | 1.09  | 0.32 | 0.58  | 3.72 | 70.8  |  |  |  |
| 60                 | 194  | 129  | 4.06 | 0.60 | 0.38 | 1.35  | 5.75 | 122   | 187  | 113   | 5.07 | 1.19  | 0.32 | 0.66  | 4.92 | 151   |  |  |  |
| 65                 | 246  | 172  | 5.11 | 0.65 | 0.37 | 1.46  | 7.36 | 174   | 223  | 169   | 6.39 | 1.28  | 0.32 | 0.74  | 6.01 | 180   |  |  |  |
| 70                 | 410  | 188  | 6.82 | 0.72 | 0.37 | 1.54  | 8.42 | 193   | 353  | 186   | 9.24 | 1.37  | 0.32 | 0.82  | 8.44 | 200   |  |  |  |
| 75                 | 653  | 206  | 8.30 | 0.75 | 0.37 | 1.66  | 9.95 | 214   | 562  | 202   | 10.4 | 1.43  | 0.32 | 0.90  | 10.1 | 229   |  |  |  |
| 80                 | 902  | 229  | 9.58 | 0.76 | 0.37 | 1.71  | 11.3 | 244   | 793  | 224   | 11.6 | 1.48  | 0.32 | 0.95  | 10.5 | 275   |  |  |  |
| 85                 | 1073 | 253  | 10.2 | 0.76 | 0.37 | 1.73  | 12.1 | 281   | 976  | 248   | 12.5 | 1.51  | 0.31 | 0.97  | 12.0 | 324   |  |  |  |
| 90                 | 1127 | 264  | 10.5 | 0.76 | 0.37 | 1.72  | 12.3 | 298   | 1068 | 260   | 12.8 | 1.52  | 0.31 | 0.98  | 13.2 | 345   |  |  |  |
| 95                 | 1071 | 252  | 9.93 | 0.75 | 0.36 | 1.71  | 12.0 | 284   | 1053 | 249   | 12.7 | 1.52  | 0.30 | 0.98  | 11.8 | 322   |  |  |  |
| 100                | 896  | 229  | 8.94 | 0.71 | 0.34 | 1.67  | 11.6 | 247   | 912  | 224   | 11.9 | 1.52  | 0.29 | 0.96  | 9.99 | 272   |  |  |  |
| 105                | 644  | 206  | 7.45 | 0.66 | 0.33 | 1.61  | 10.5 | 214   | 655  | 201   | 10.8 | 1.47  | 0.28 | 0.91  | 8.81 | 226   |  |  |  |
| 110                | 397  | 187  | 6.10 | 0.61 | 0.32 | 1.52  | 8.83 | 192   | 386  | 184   | 9.45 | 1.43  | 0.26 | 0.80  | 7.06 | 198   |  |  |  |
| 115                | 236  | 171  | 4.84 | 0.54 | 0.31 | 1.42  | 7.51 | 176   | 232  | 170   | 6.30 | 1.34  | 0.25 | 0.73  | 5.73 | 178   |  |  |  |
| 120                | 189  | 128  | 3.81 | 0.47 | 0.30 | 1.30  | 5.45 | 146   | 188  | 132   | 5.05 | 1.23  | 0.25 | 0.65  | 4.52 | 148   |  |  |  |
| 125                | 161  | 46.9 | 3.07 | 0.41 | 0.30 | 1.18  | 4.52 | 66.4  | 166  | 56.0  | 4.10 | 1.13  | 0.24 | 0.55  | 3.50 | 67.3  |  |  |  |
| 130                | 70.6 | 9.68 | 2.35 | 0.37 | 0.29 | 1.05  | 3.63 | 12.9  | 82.2 | 13.8  | 3.33 | 1.02  | 0.23 | 0.49  | 2.73 | 10.5  |  |  |  |
| 135                | 10.4 | 5.50 | 1.79 | 0.32 | 0.29 | 0.94  | 2.84 | 7.96  | 13.3 | 8.33  | 2.66 | 0.92  | 0.23 | 0.42  | 2.01 | 5.87  |  |  |  |
| 140                | 5.52 | 3.50 | 1.27 | 0.29 | 0.28 | 0.82  | 2.18 | 4.70  | 7.37 | 4.63  | 2.07 | 0.82  | 0.23 | 0.37  | 1.40 | 3.79  |  |  |  |
| 145                | 3.24 | 2.28 | 0.85 | 0.26 | 0.27 | 0.71  | 1.66 | 3.26  | 4.31 | 3.22  | 1.58 | 0.73  | 0.23 | 0.32  | 0.95 | 2.47  |  |  |  |
| 150                | 1.93 | 1.35 | 0.56 | 0.23 | 0.27 | 0.61  | 1.23 | 2.20  | 2.77 | 2.20  | 1.16 | 0.63  | 0.23 | 0.29  | 0.59 | 1.48  |  |  |  |
| 155                | 1.05 | 0.76 | 0.34 | 0.20 | 0.25 | 0.49  | 0.87 | 1.42  | 1.74 | 1.44  | 0.81 | 0.53  | 0.22 | 0.25  | 0.35 | 0.85  |  |  |  |
| 160                | 0.53 | 0.37 | 0.22 | 0.18 | 0.24 | 0.39  | 0.61 | 0.84  | 1.04 | 0.88  | 0.56 | 0.43  | 0.21 | 0.22  | 0.20 | 0.43  |  |  |  |
| 165                | 0.26 | 0.17 | 0.16 | 0.15 | 0.22 | 0.29  | 0.41 | 0.49  | 0.56 | 0.53  | 0.36 | 0.33  | 0.21 | 0.18  | 0.12 | 0.22  |  |  |  |
| 170                | 0.13 | 0.07 | 0.10 | 0.13 | 0.22 | 0.20  | 0.24 | 0.24  | 0.28 | 0.28  | 0.19 | 0.24  | 0.21 | 0.14  | 0.06 | 0.11  |  |  |  |
| 175                | 0.03 | 0.00 | 0.02 | 0.10 | 0.22 | 0.12  | 0.09 | 0.05  | 0.06 | 0.09  | 0.05 | 0.17  | 0.21 | 0.11  | 0.00 | 0.02  |  |  |  |
| 180                | 0.00 | 0.00 | 0.00 | 0.10 | 0.22 | 0.11  | 0.00 | 0.00  | 0.00 | 0.00  | 0.00 | 0.13  | 0.20 | 0.11  | 0.00 | 0.00  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks: