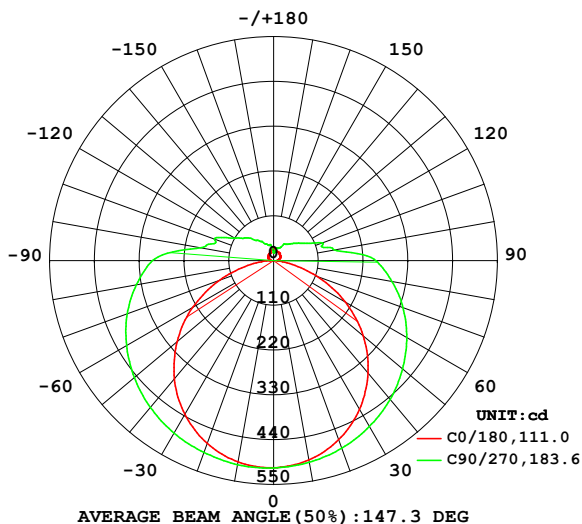


## LUMINAIRE PHOTOMETRIC TEST REPORT

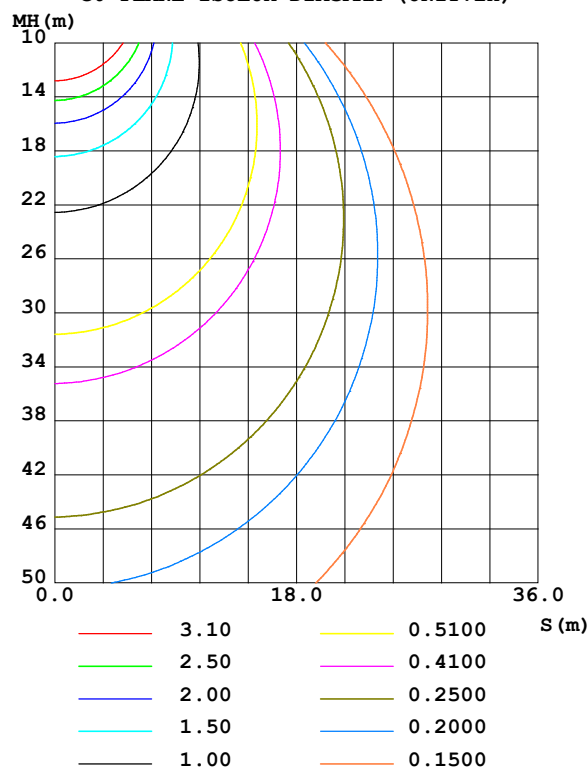
|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.85V I:0.2688A P:30.205W PF:0.9377 Freq:59.98Hz<br>Lamp Flux:2364.04x1 lm |       |                  |
| NAME: WS36-033B-BK 30W 40K                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 78.27 lm/W |         |                   |          |
|------------------|---------|----------------------------------|---------|-------------------|----------|
| MODEL            | 4000K   | I <sub>max</sub> (cd)            | 510.3   | S/MH(C0/180)      | 1.27     |
| NOMINAL POWER(W) | 30      | LOR(%)                           | 100.0   | S/MH(C90/270)     | 1.45     |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)                   | 2364.0  | η UP,DN(C0-180)   | 8.0,39.5 |
| NOMINAL FLUX(lm) | 2364.04 | CIE CLASS                        | SEMI-D. | η UP,DN(C180-360) | 9.4,43.1 |
| LAMPS INSIDE     | 1       | η up (%)                         | 17.4    | CIBSE SHR NOM     | 1.50     |
| TEST VOLTAGE(V)  | 120     | η down (%)                       | 82.6    | CIBSE SHR MAX     | 1.55     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: DAMIN  
Test Date: 10 February 2026

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 7.380m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C90   | C180  | C270  |  |  |  |  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|--|--|--|--|----------|-------------|--------------|------------|
| 10       | 497.5                 | 503.1 | 502.0 | 509.2 |  |  |  |  | 0- 10    | 48.30       | 48.30        | 2.04, 2.04 |
| 20       | 468.2                 | 490.2 | 477.6 | 501.5 |  |  |  |  | 10- 20   | 139.9       | 188.2        | 7.96, 7.96 |
| 30       | 422.4                 | 470.8 | 436.4 | 489.3 |  |  |  |  | 20- 30   | 217.3       | 405.5        | 17.2, 17.2 |
| 40       | 361.3                 | 445.4 | 379.4 | 471.1 |  |  |  |  | 30- 40   | 272.9       | 678.4        | 28.7, 28.7 |
| 50       | 287.3                 | 413.6 | 309.4 | 447.1 |  |  |  |  | 40- 50   | 301.4       | 979.9        | 41.4, 41.4 |
| 60       | 203.4                 | 377.6 | 229.2 | 417.0 |  |  |  |  | 50- 60   | 301.1       | 1281         | 54.2, 54.2 |
| 70       | 112.3                 | 338.6 | 141.1 | 382.7 |  |  |  |  | 60- 70   | 273.0       | 1554         | 65.7, 65.7 |
| 80       | 33.91                 | 295.2 | 57.35 | 342.3 |  |  |  |  | 70- 80   | 224.4       | 1778         | 75.2, 75.2 |
| 90       | 8.678                 | 251.2 | 11.20 | 297.9 |  |  |  |  | 80- 90   | 174.1       | 1952         | 82.6, 82.6 |
| 100      | 11.03                 | 152.9 | 10.00 | 183.0 |  |  |  |  | 90-100   | 127.9       | 2080         | 88, 88     |
| 110      | 15.53                 | 128.0 | 13.71 | 155.3 |  |  |  |  | 100-110  | 84.94       | 2165         | 91.6, 91.6 |
| 120      | 18.30                 | 85.42 | 16.38 | 110.9 |  |  |  |  | 110-120  | 67.54       | 2233         | 94.5, 94.5 |
| 130      | 20.43                 | 66.41 | 17.77 | 87.63 |  |  |  |  | 120-130  | 47.22       | 2280         | 96.4, 96.4 |
| 140      | 22.93                 | 52.87 | 19.80 | 65.14 |  |  |  |  | 130-140  | 33.88       | 2314         | 97.9, 97.9 |
| 150      | 23.79                 | 39.03 | 20.73 | 52.62 |  |  |  |  | 140-150  | 24.04       | 2338         | 98.9, 98.9 |
| 160      | 24.43                 | 32.39 | 21.38 | 41.73 |  |  |  |  | 150-160  | 14.66       | 2353         | 99.5, 99.5 |
| 170      | 28.80                 | 27.46 | 27.24 | 38.35 |  |  |  |  | 160-170  | 8.680       | 2361         | 99.9, 99.9 |
| 180      | 31.72                 | 20.58 | 31.70 | 20.71 |  |  |  |  | 170-180  | 2.694       | 2364         | 100, 100   |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |  |  |  |  |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 827.4 lm

%lum = 35.0%

%lamp = 35.0%

Conical surface Flux(120deg): 1281 lm

%lum = 54.2%

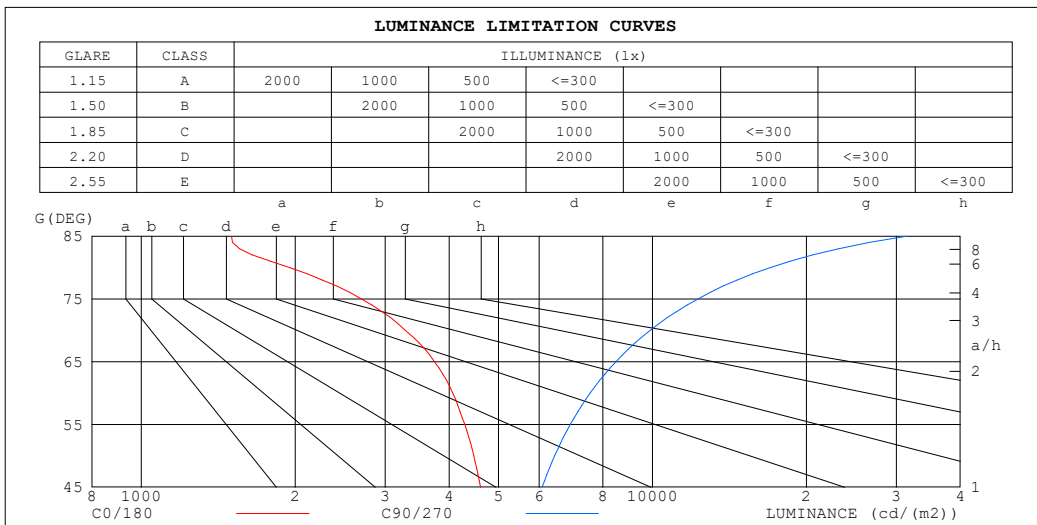
%lamp = 54.2%

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:10 February 2026

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity:65.0%  
Test Distance:7.380m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.85V I:0.2688A P:30.205W PF:0.9377 Freq:59.98Hz<br>Lamp Flux:2364.04x1 lm |       |                  |
| NAME: WS36-033B-BK 30W 40K                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |



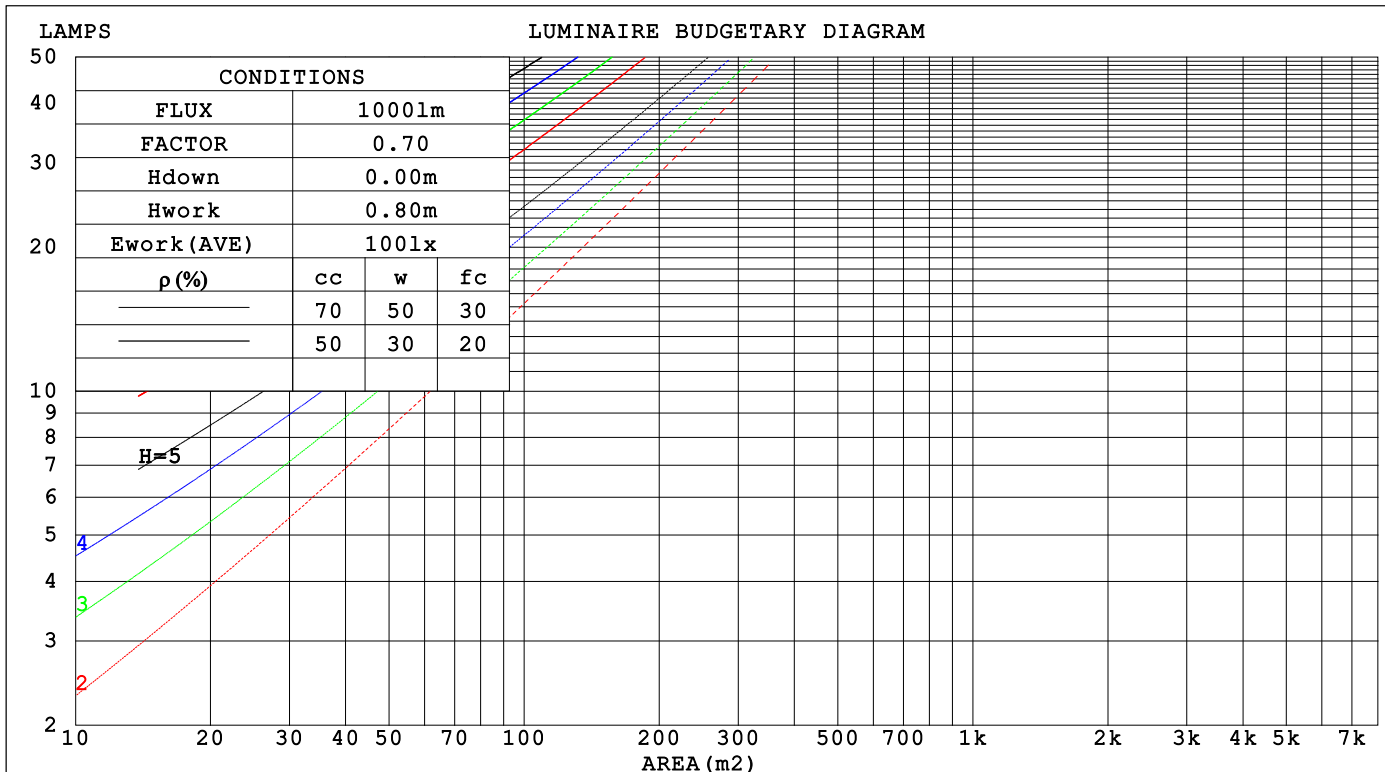
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: DAMIN  
Test Date: 10 February 2026

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 7.380m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.85V I:0.2688A P:30.205W PF:0.9377 Freq:59.98Hz<br>Lamp Flux:2364.04x1 lm |       |                  |
| NAME: WS36-033B-BK 30W 40K                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                      | SUR.: | 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  | 1.15                                                                       | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.01 | 1.01 | 1.01 | .93 | .93 | .93 | .86 | .86 | .86 | .83 |
| 1.0  | .96                                                                        | .90  | .86  | .92  | .87  | .83  | .84  | .80  | .77  | .77 | .74 | .71 | .71 | .68 | .66 | .63 |
| 2.0  | .82                                                                        | .74  | .67  | .78  | .71  | .65  | .72  | .66  | .61  | .66 | .61 | .57 | .60 | .57 | .53 | .50 |
| 3.0  | .71                                                                        | .62  | .55  | .68  | .60  | .53  | .62  | .56  | .50  | .57 | .52 | .47 | .53 | .48 | .44 | .41 |
| 4.0  | .62                                                                        | .53  | .46  | .60  | .51  | .44  | .55  | .48  | .42  | .51 | .44 | .39 | .46 | .41 | .37 | .34 |
| 5.0  | .55                                                                        | .46  | .39  | .53  | .44  | .38  | .49  | .41  | .36  | .45 | .39 | .34 | .41 | .36 | .32 | .29 |
| 6.0  | .49                                                                        | .40  | .33  | .48  | .39  | .32  | .44  | .36  | .31  | .41 | .34 | .29 | .37 | .32 | .28 | .25 |
| 7.0  | .45                                                                        | .35  | .29  | .43  | .34  | .28  | .40  | .32  | .27  | .37 | .30 | .26 | .34 | .29 | .24 | .22 |
| 8.0  | .40                                                                        | .32  | .26  | .39  | .31  | .25  | .36  | .29  | .24  | .34 | .27 | .23 | .31 | .26 | .22 | .19 |
| 9.0  | .37                                                                        | .29  | .23  | .36  | .28  | .22  | .33  | .26  | .21  | .31 | .25 | .20 | .29 | .23 | .19 | .17 |
| 10.0 | .34                                                                        | .26  | .21  | .33  | .25  | .20  | .31  | .24  | .19  | .29 | .23 | .18 | .27 | .21 | .17 | .16 |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:10 February 2026

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity:65.0%  
Test Distance:7.380m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.85V I:0.2688A P:30.205W PF:0.9377 Freq:59.98Hz<br>Lamp Flux:2364.04x1 lm |       |                  |
| NAME: WS36-033B-BK 30W 40K                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                      | SUR.: | 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  | .385                  | .219 | .069 | .372 | .212 | .067 | .349                            | .200 | .064 | .327 | .189 | .061 | .307 | .178 | .057 |   |  |
| 2.0  | .334                  | .183 | .056 | .322 | .178 | .055 | .301                            | .167 | .052 | .281 | .158 | .049 | .263 | .149 | .047 |   |  |
| 3.0  | .297                  | .158 | .047 | .286 | .153 | .046 | .267                            | .145 | .044 | .249 | .137 | .042 | .233 | .129 | .040 |   |  |
| 4.0  | .267                  | .139 | .041 | .258 | .135 | .040 | .240                            | .128 | .038 | .224 | .120 | .036 | .209 | .114 | .035 |   |  |
| 5.0  | .243                  | .124 | .036 | .234 | .120 | .035 | .219                            | .114 | .034 | .204 | .108 | .032 | .190 | .102 | .031 |   |  |
| 6.0  | .222                  | .112 | .032 | .215 | .109 | .031 | .201                            | .103 | .030 | .187 | .097 | .029 | .174 | .092 | .027 |   |  |
| 7.0  | .205                  | .101 | .029 | .198 | .099 | .028 | .185                            | .094 | .027 | .173 | .089 | .026 | .161 | .084 | .025 |   |  |
| 8.0  | .190                  | .093 | .026 | .184 | .091 | .026 | .172                            | .086 | .025 | .161 | .081 | .023 | .150 | .077 | .022 |   |  |
| 9.0  | .177                  | .086 | .024 | .172 | .084 | .023 | .160                            | .079 | .022 | .150 | .075 | .022 | .140 | .071 | .021 |   |  |
| 10.0 | .166                  | .080 | .022 | .161 | .078 | .022 | .150                            | .074 | .021 | .141 | .070 | .020 | .131 | .066 | .019 |   |  |

| 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  | .323                  | .323 | .323 | .276 | .276 | .276 | .188                                        | .188 | .188 | .108 | .108 | .108 | .035 | .035 | .035 |   |  |
| 1.0  | .319                  | .289 | .262 | .273 | .248 | .226 | .187                                        | .171 | .156 | .108 | .099 | .091 | .034 | .032 | .029 |   |  |
| 2.0  | .312                  | .266 | .228 | .268 | .229 | .197 | .183                                        | .159 | .137 | .106 | .092 | .080 | .034 | .030 | .026 |   |  |
| 3.0  | .305                  | .250 | .206 | .261 | .216 | .179 | .179                                        | .150 | .125 | .104 | .087 | .074 | .033 | .028 | .024 |   |  |
| 4.0  | .297                  | .237 | .192 | .255 | .205 | .166 | .175                                        | .143 | .117 | .101 | .084 | .069 | .033 | .027 | .023 |   |  |
| 5.0  | .290                  | .228 | .182 | .249 | .197 | .158 | .171                                        | .138 | .112 | .099 | .081 | .066 | .032 | .026 | .022 |   |  |
| 6.0  | .282                  | .220 | .175 | .242 | .190 | .152 | .167                                        | .133 | .108 | .097 | .078 | .064 | .031 | .026 | .021 |   |  |
| 7.0  | .275                  | .213 | .170 | .237 | .185 | .148 | .163                                        | .129 | .105 | .095 | .076 | .062 | .031 | .025 | .021 |   |  |
| 8.0  | .268                  | .207 | .166 | .231 | .180 | .144 | .160                                        | .126 | .102 | .093 | .075 | .061 | .030 | .024 | .020 |   |  |
| 9.0  | .262                  | .203 | .162 | .226 | .176 | .142 | .156                                        | .124 | .101 | .091 | .073 | .060 | .030 | .024 | .020 |   |  |
| 10.0 | .256                  | .198 | .160 | .221 | .172 | .140 | .153                                        | .121 | .099 | .089 | .072 | .059 | .029 | .024 | .020 |   |  |

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:DAMIN

Test Date:10 February 2026

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459

Humidity:65.0%

Test Distance:7.380m [K=1.0000]

Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                     |                  |      |      |      |       |                |      |                  |      |      |
|-------------------------------------------------------------------------------------|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| Test:U:119.85V I:0.2688A P:30.205W PF:0.9377 Freq:59.98Hz<br>Lamp Flux:2364.04x1 lm |                  |      |      |      |       |                |      |                  |      |      |
| NAME: WS36-033B-BK 30W 40K                                                          |                  |      |      |      | TYPE: |                |      | WEIGHT:          |      |      |
| SPEC.:                                                                              |                  |      |      |      | DIM.: |                |      | SERIAL No.: 1    |      |      |
| MFR.: EVERFINE                                                                      |                  |      |      |      | SUR.: |                |      | 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                                                                       | 13.5             | 14.9 | 14.0 | 15.4 | 16.0  | 15.7           | 17.1 | 16.2             | 17.6 | 18.1 |
| 3H                                                                                  | 14.9             | 16.2 | 15.4 | 16.7 | 17.3  | 18.4           | 19.7 | 19.0             | 20.2 | 20.8 |
| 4H                                                                                  | 15.4             | 16.6 | 15.9 | 17.1 | 17.7  | 20.0           | 21.2 | 20.5             | 21.7 | 22.3 |
| 6H                                                                                  | 15.6             | 16.8 | 16.2 | 17.3 | 18.0  | 21.7           | 22.8 | 22.3             | 23.4 | 24.0 |
| 8H                                                                                  | 15.7             | 16.8 | 16.2 | 17.3 | 18.0  | 22.6           | 23.8 | 23.2             | 24.3 | 25.0 |
| 12H                                                                                 | 15.7             | 16.7 | 16.3 | 17.3 | 18.0  | 23.8           | 24.8 | 24.4             | 25.4 | 26.1 |
| 4H 2H                                                                               | 14.6             | 15.8 | 15.2 | 16.4 | 17.0  | 16.2           | 17.4 | 16.7             | 17.9 | 18.6 |
| 3H                                                                                  | 16.2             | 17.3 | 16.8 | 17.9 | 18.6  | 19.1           | 20.2 | 19.7             | 20.8 | 21.4 |
| 4H                                                                                  | 16.9             | 17.9 | 17.5 | 18.5 | 19.2  | 20.8           | 21.8 | 21.4             | 22.4 | 23.1 |
| 6H                                                                                  | 17.4             | 18.3 | 18.0 | 18.9 | 19.6  | 22.7           | 23.6 | 23.4             | 24.2 | 25.0 |
| 8H                                                                                  | 17.5             | 18.3 | 18.2 | 19.0 | 19.7  | 23.8           | 24.6 | 24.5             | 25.3 | 26.0 |
| 12H                                                                                 | 17.6             | 18.4 | 18.3 | 19.0 | 19.8  | 25.1           | 25.9 | 25.8             | 26.5 | 27.3 |
| 8H 4H                                                                               | 17.9             | 18.7 | 18.5 | 19.4 | 20.1  | 21.0           | 21.9 | 21.7             | 22.5 | 23.3 |
| 6H                                                                                  | 18.7             | 19.4 | 19.4 | 20.1 | 20.9  | 23.2           | 23.9 | 23.9             | 24.6 | 25.4 |
| 8H                                                                                  | 19.1             | 19.7 | 19.8 | 20.4 | 21.2  | 24.5           | 25.1 | 25.2             | 25.8 | 26.6 |
| 12H                                                                                 | 19.4             | 19.9 | 20.1 | 20.6 | 21.5  | 26.0           | 26.6 | 26.8             | 27.3 | 28.1 |
| 12H 4H                                                                              | 18.2             | 19.0 | 18.9 | 19.6 | 20.4  | 21.0           | 21.8 | 21.7             | 22.5 | 23.2 |
| 6H                                                                                  | 19.3             | 19.9 | 20.0 | 20.6 | 21.4  | 23.3           | 23.9 | 24.0             | 24.6 | 25.4 |
| 8H                                                                                  | 19.8             | 20.4 | 20.5 | 21.1 | 21.9  | 24.7           | 25.2 | 25.4             | 25.9 | 26.8 |
| Variations with the observer position at spacings(CIE Pub.117):                     |                  |      |      |      |       |                |      |                  |      |      |
| S = 1.0H                                                                            | + 0.1 / - 0.2    |      |      |      |       | + 0.1 / - 0.1  |      |                  |      |      |
| 1.5H                                                                                | + 0.2 / - 0.3    |      |      |      |       | + 0.2 / - 0.2  |      |                  |      |      |
| 2.0H                                                                                | + 0.2 / - 0.5    |      |      |      |       | + 0.2 / - 0.3  |      |                  |      |      |

CIE Pub.117, 2364 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.0)  
Area: 0.1 m2

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:10 February 2026

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity:65.0%  
Test Distance:7.380m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.85V I:0.2688A P:30.205W PF:0.9377 Freq:59.98Hz<br>Lamp Flux:2364.04x1 lm |       |                  |
| NAME: WS36-033B-BK 30W 40K                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |

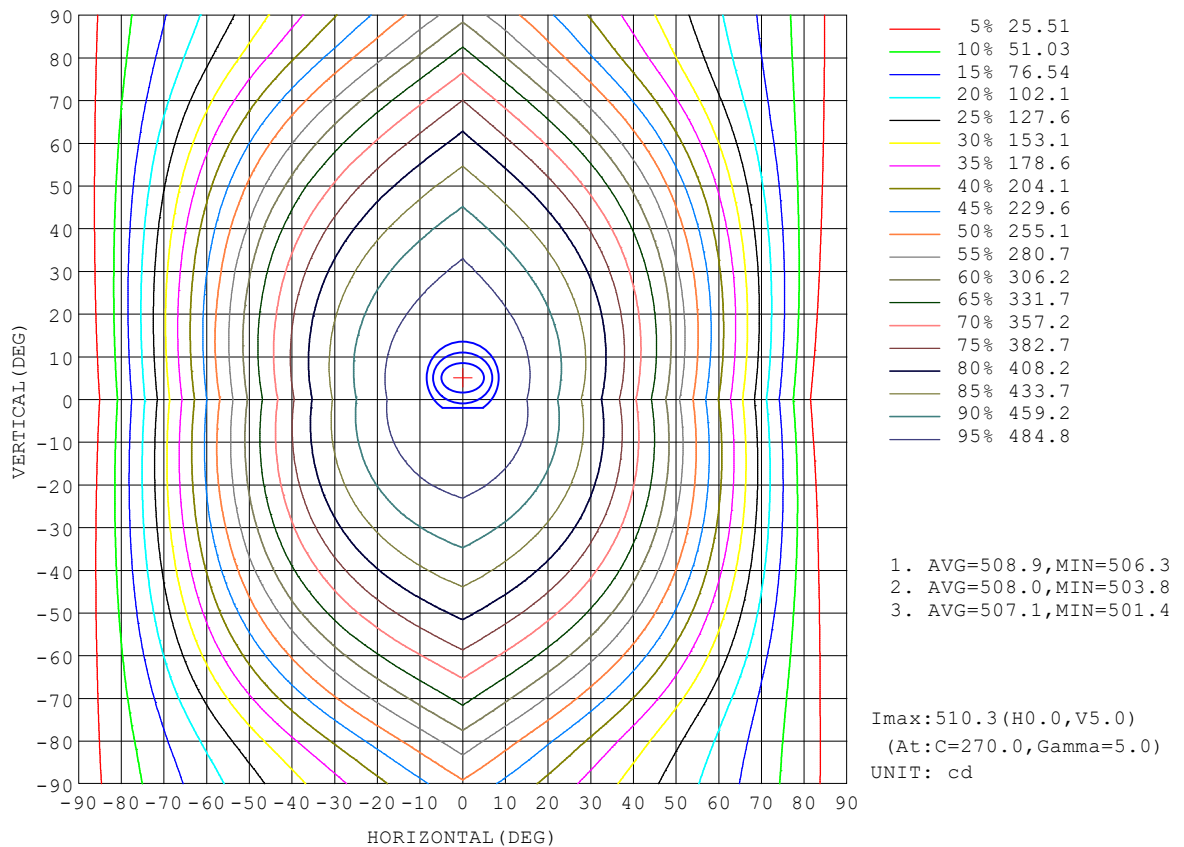
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 48                                                   | 35  | 28        | 47  | 35  | 28  | 45  | 34            | 27  | 21     |
| 0.80                             | 57                                                   | 44  | 36        | 55  | 43  | 36  | 53  | 42            | 35  | 27     |
| 1.00                             | 65                                                   | 52  | 44        | 63  | 51  | 43  | 59  | 51            | 42  | 33     |
| 1.25                             | 72                                                   | 59  | 51        | 69  | 58  | 50  | 65  | 55            | 48  | 39     |
| 1.50                             | 77                                                   | 65  | 56        | 74  | 63  | 55  | 69  | 60            | 53  | 43     |
| 2.00                             | 84                                                   | 73  | 65        | 81  | 71  | 63  | 75  | 67            | 61  | 49     |
| 2.50                             | 89                                                   | 79  | 71        | 85  | 76  | 69  | 79  | 72            | 65  | 53     |
| 3.00                             | 92                                                   | 83  | 76        | 89  | 80  | 74  | 82  | 75            | 70  | 57     |
| 4.00                             | 97                                                   | 89  | 83        | 93  | 86  | 80  | 86  | 80            | 76  | 61     |
| 5.00                             | 100                                                  | 93  | 87        | 96  | 90  | 85  | 89  | 84            | 79  | 64     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 10 February 2026

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
 Humidity: 65.0%  
 Test Distance: 7.380m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.85V I:0.2688A P:30.205W PF:0.9377 Freq:59.98Hz<br>Lamp Flux:2364.04x1 lm |       |                  |
| NAME: WS36-033B-BK 30W 40K                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |

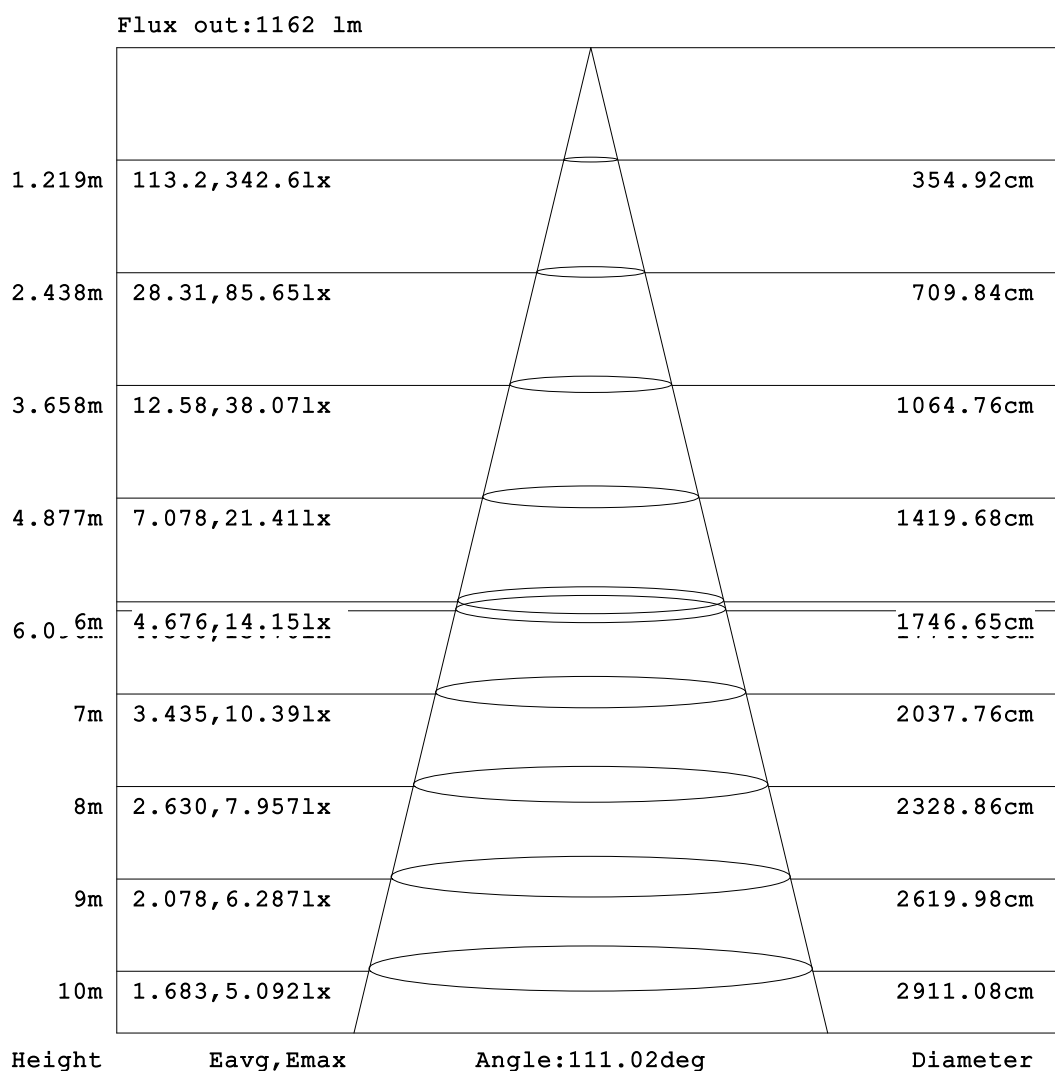


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:10 February 2026

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity:65.0%  
Test Distance:7.380m [K=1.0000]  
Remarks:

AAI Figure

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.85V I:0.2688A P:30.205W PF:0.9377 Freq:59.98Hz<br>Lamp Flux:2364.04x1 lm |       |                  |
| NAME: WS36-033B-BK 30W 40K                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |



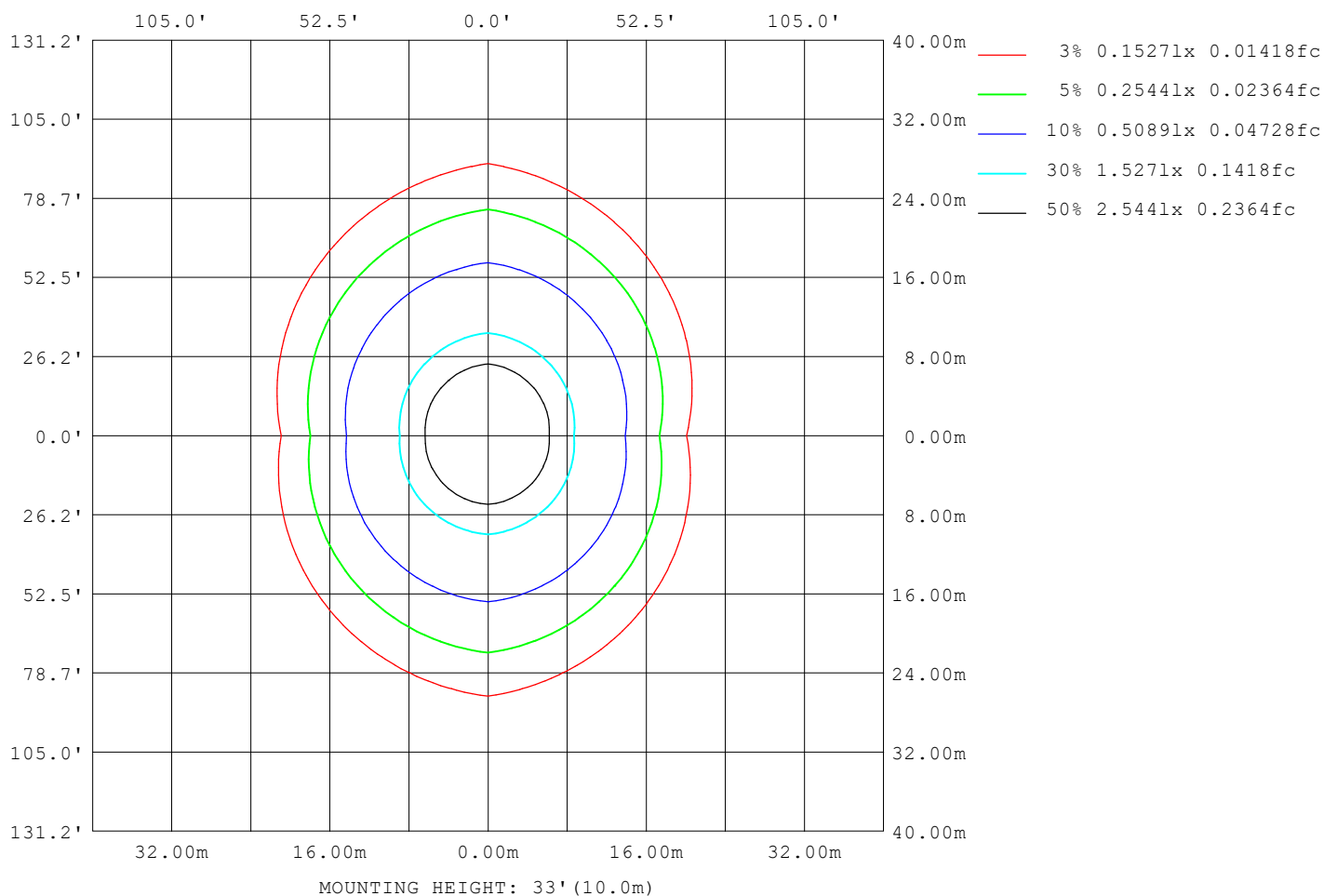
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:10 February 2026

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity:65.0%  
Test Distance:7.380m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.85V I:0.2688A P:30.205W PF:0.9377 Freq:59.98Hz<br>Lamp Flux:2364.04x1 lm |       |                  |
| NAME: WS36-033B-BK 30W 40K                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: DAMIN  
Test Date: 10 February 2026

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 7.380m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.85V I:0.2688A P:30.205W PF:0.9377 Freq:59.98Hz<br>Lamp Flux:2364.04x1 lm |       |                  |
| NAME: WS36-033B-BK 30W 40K                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |

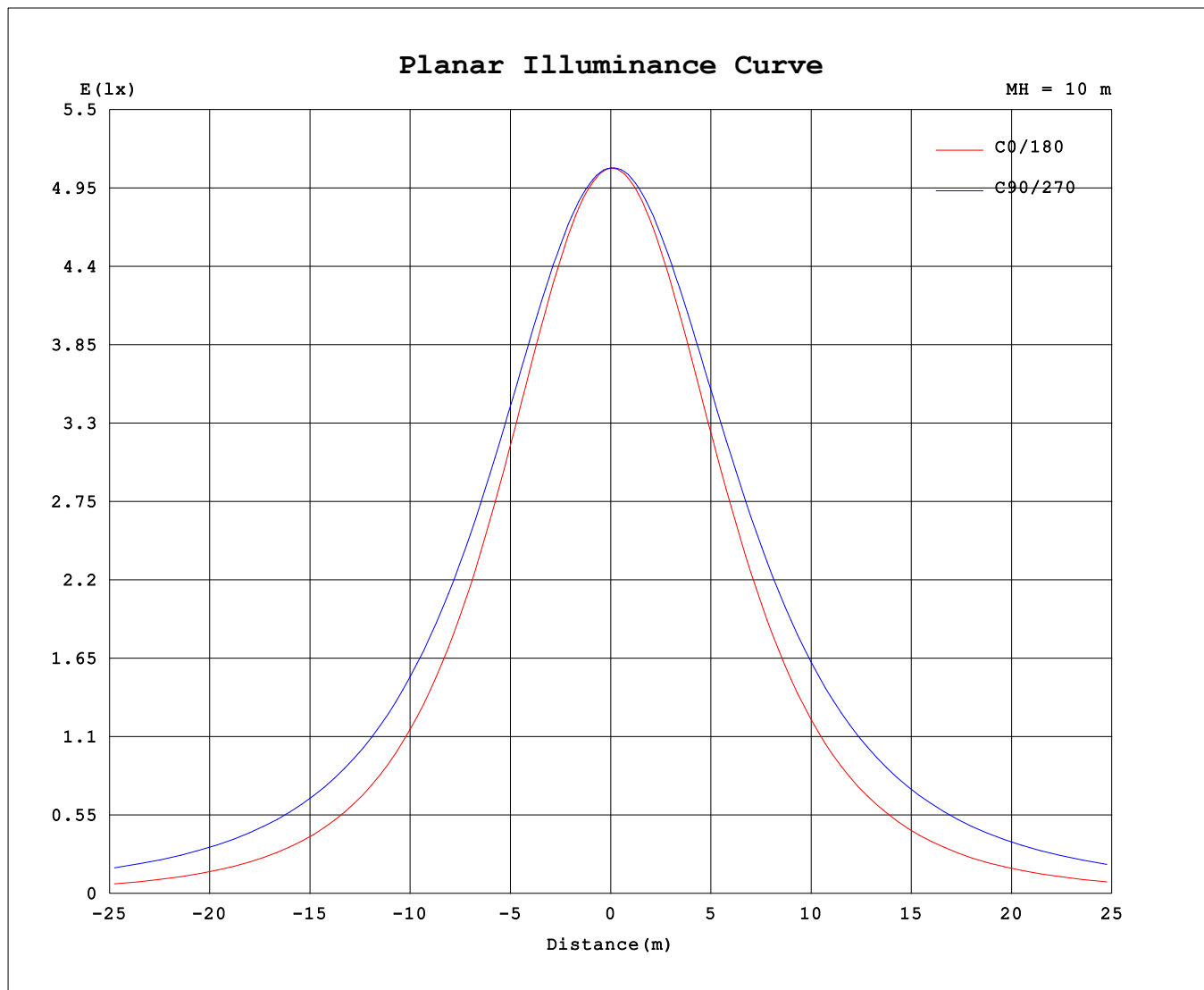
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 4061  |
| L_0~180 (75) av  | 3232  |
| L_0~180 (85) av  | 2225  |
| L_90~270 (65) av | 8983  |
| L_90~270 (75) av | 13151 |
| L_90~270 (85) av | 34078 |
| L_45 (65) av     | 7157  |
| L_45 (75) av     | 9465  |
| L_45 (85) av     | 22178 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:DAMIN  
 Test Date:10 February 2026

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
 Humidity:65.0%  
 Test Distance:7.380m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: DAMIN  
Test Date: 10 February 2026

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 7.380m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:119.85V I:0.2688A P:30.205W PF:0.9377 Freq:59.98Hz<br>Lamp Flux:2364.04x1 lm |       |                  |
| NAME: WS36-033B-BK 30W 40K                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 509  | 509  | 509  | 509  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 505  | 507  | 508  | 510  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 498  | 503  | 502  | 509  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 485  | 497  | 492  | 506  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 468  | 490  | 478  | 501  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 447  | 481  | 459  | 496  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 422  | 471  | 436  | 489  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 393  | 459  | 410  | 481  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 361  | 445  | 379  | 471  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 326  | 430  | 346  | 460  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 287  | 414  | 309  | 447  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 246  | 396  | 271  | 433  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 203  | 378  | 229  | 417  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 158  | 359  | 185  | 401  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 112  | 339  | 141  | 383  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 69.8 | 318  | 97.5 | 363  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 33.9 | 295  | 57.4 | 342  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 13.1 | 273  | 25.7 | 321  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 8.68 | 251  | 11.2 | 298  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 9.46 | 207  | 9.24 | 249  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 11.0 | 153  | 10.0 | 183  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 13.1 | 127  | 11.4 | 160  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 15.5 | 128  | 13.7 | 155  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 17.4 | 102  | 15.7 | 135  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 18.3 | 85.4 | 16.4 | 111  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 19.9 | 75.4 | 17.2 | 96.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 20.4 | 66.4 | 17.8 | 87.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 21.1 | 58.6 | 18.2 | 76.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 22.9 | 52.9 | 19.8 | 65.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 23.9 | 49.4 | 20.9 | 58.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 23.8 | 39.0 | 20.7 | 52.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 24.0 | 35.5 | 20.9 | 45.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 24.4 | 32.4 | 21.4 | 41.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 26.8 | 32.6 | 24.5 | 40.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 28.8 | 27.5 | 27.2 | 38.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 30.8 | 19.7 | 29.7 | 27.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 31.7 | 20.6 | 31.7 | 20.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:DAMIN

Test Date:10 February 2026

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459

Humidity:65.0%

Test Distance:7.380m [K=1.0000]

Remarks: