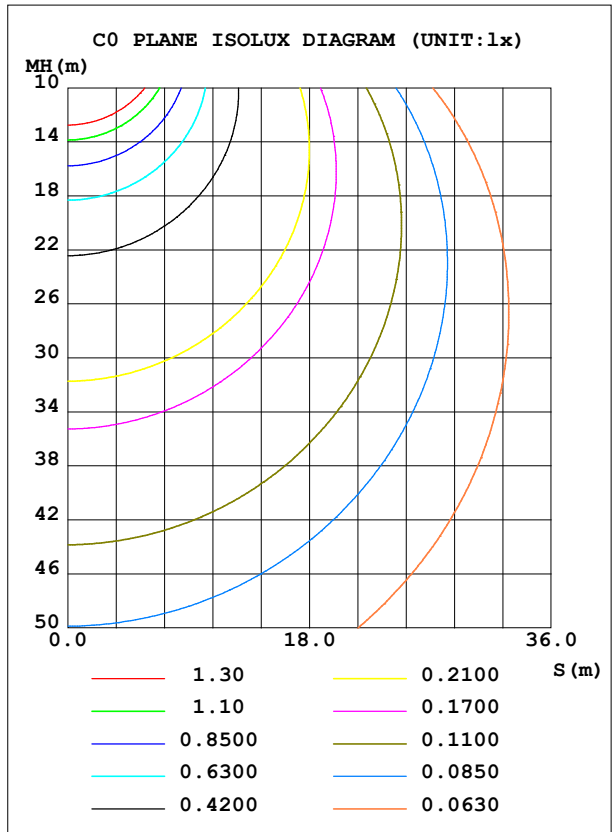
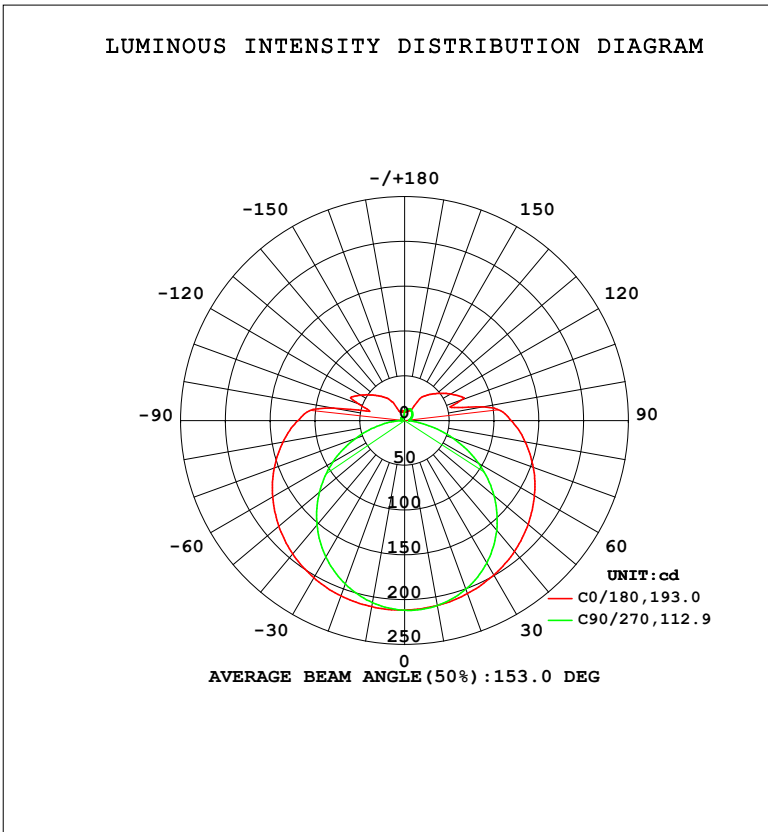


LUMINAIRE PHOTOMETRIC TEST REPORT

|   |       |                  |
|---|-------|------------------|
| Test:U:119.92V I:0.1427A P:16.066W PF:0.9385 Freq:59.98Hz<br>Lamp Flux:1027.27x1 lm |       |                  |
| NAME: WS14-033B-BN 16W 50K  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA      |         |                     |            | Eff: 63.94 lm/W |
|-------------------|---------|-----------------------|---------|---------------------|------------|-----------------|
| MODEL             | 5000K   | I <sub>max</sub> (cd) | 212.0   | S/MH (C0/180)       | 1.45       |                 |
| NOMINAL POWER (W) | 16      | LOR (%)               | 100.0   | S/MH (C90/270)      | 1.24       |                 |
| RATED VOLTAGE (V) | 120     | TOTAL FLUX (lm)       | 1027.3  | η UP, DN (C0-180)   | 10.2, 40.5 |                 |
| NOMINAL FLUX (lm) | 1027.27 | CIE CLASS             | SEMI-D. | η UP, DN (C180-360) | 8.8, 40.5  |                 |
| LAMPS INSIDE      | 1       | η up (%)              | 19.0    | CIBSE SHR NOM       | 1.50       |                 |
| TEST VOLTAGE (V)  | 120     | η down (%)            | 81.0    | CIBSE SHR MAX       | 1.50       |                 |



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators: DAMIN  
 Test Date: 24 April 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       | 209.7                 | 209.8 | 211.0 | 206.4 |  |  |  |  | 0- 10    | 20.09       | 20.09        | 1.96,1.96 |
| 20       | 205.5                 | 200.3 | 208.3 | 194.2 |  |  |  |  | 10- 20   | 58.29       | 78.38        | 7.63,7.63 |
| 30       | 199.2                 | 183.6 | 202.7 | 175.9 |  |  |  |  | 20- 30   | 90.82       | 169.2        | 16.5,16.5 |
| 40       | 190.9                 | 160.0 | 194.4 | 152.3 |  |  |  |  | 30- 40   | 114.6       | 283.8        | 27.6,27.6 |
| 50       | 180.1                 | 130.3 | 183.4 | 124.2 |  |  |  |  | 40- 50   | 127.4       | 411.1        | 40,40     |
| 60       | 167.4                 | 95.39 | 170.1 | 92.45 |  |  |  |  | 50- 60   | 128.2       | 539.4        | 52.5,52.5 |
| 70       | 152.8                 | 57.20 | 155.0 | 58.50 |  |  |  |  | 60- 70   | 117.7       | 657.1        | 64,64     |
| 80       | 136.7                 | 21.30 | 137.9 | 25.68 |  |  |  |  | 70- 80   | 98.23       | 755.3        | 73.5,73.5 |
| 90       | 119.0                 | 4.885 | 119.1 | 5.473 |  |  |  |  | 80- 90   | 76.68       | 832.0        | 81,81     |
| 100      | 88.87                 | 5.681 | 80.84 | 3.584 |  |  |  |  | 90-100   | 61.18       | 893.2        | 86.9,86.9 |
| 110      | 67.36                 | 7.241 | 54.10 | 4.168 |  |  |  |  | 100-110  | 33.61       | 926.8        | 90.2,90.2 |
| 120      | 59.67                 | 9.183 | 56.98 | 5.075 |  |  |  |  | 110-120  | 34.74       | 961.5        | 93.6,93.6 |
| 130      | 47.36                 | 10.97 | 44.33 | 4.447 |  |  |  |  | 120-130  | 26.75       | 988.3        | 96.2,96.2 |
| 140      | 36.82                 | 12.61 | 33.92 | 5.123 |  |  |  |  | 130-140  | 18.85       | 1007         | 98,98     |
| 150      | 13.70                 | 13.94 | 12.31 | 4.165 |  |  |  |  | 140-150  | 11.35       | 1019         | 99.1,99.1 |
| 160      | 11.85                 | 14.09 | 10.52 | 4.311 |  |  |  |  | 150-160  | 4.919       | 1023         | 99.6,99.6 |
| 170      | 11.86                 | 12.00 | 11.09 | 5.284 |  |  |  |  | 160-170  | 2.904       | 1026         | 99.9,99.9 |
| 180      | 11.08                 | 10.91 | 10.91 | 10.95 |  |  |  |  | 170-180  | 0.9438      | 1027         | 100,100   |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |  |  |  |  |          | UNIT:lm     |              |           |

Conical surface Flux(90deg): 346.61 lm

%lum = 33.7%

%lamp = 33.7%

Conical surface Flux(120deg): 539.36 lm

%lum = 52.5%

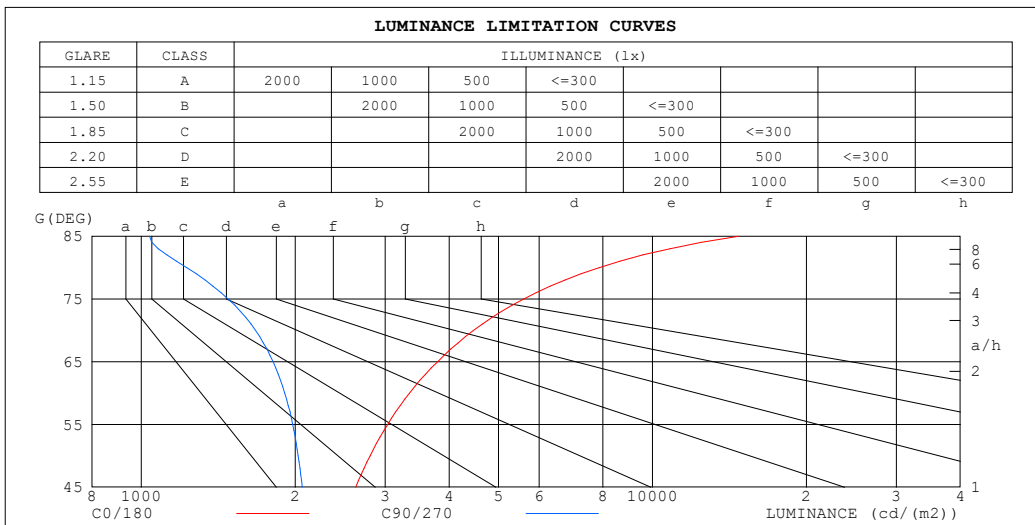
%lamp = 52.5%

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:DAMIN  
 Test Date:24 April 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:119.92V I:0.1427A P:16.066W PF:0.9385 Freq:59.98Hz<br>Lamp Flux:1027.27x1 lm |       |                  |
| NAME: WS14-033B-BN 16W 50K  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 14729  | 1038    |
| 80                | 7872   | 1226    |
| 75                | 5600   | 1479    |
| 70                | 4468   | 1672    |
| 65                | 3797   | 1810    |
| 60                | 3349   | 1908    |
| 55                | 3033   | 1978    |
| 50                | 2802   | 2027    |
| 45                | 2627   | 2063    |

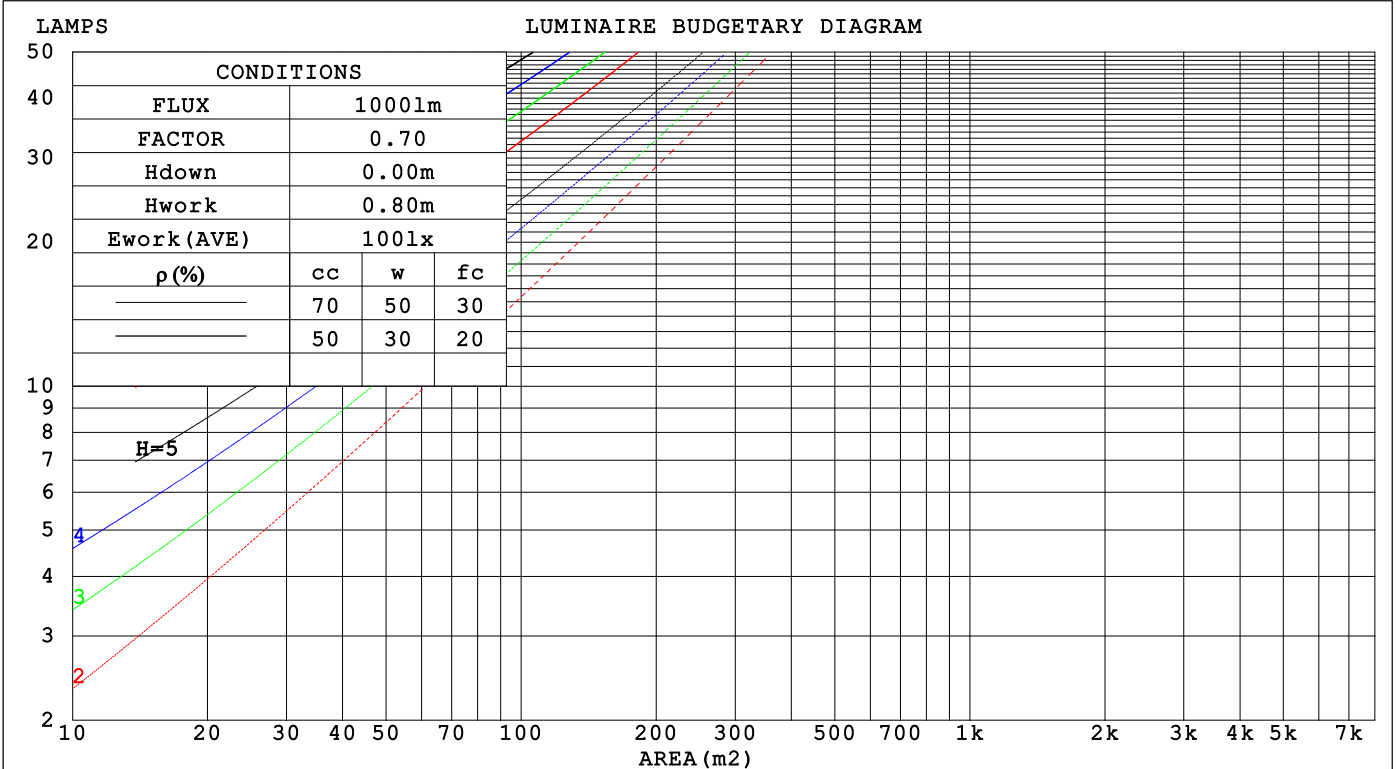
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators: DAMIN  
 Test Date: 24 April 2026

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:119.92V I:0.1427A P:16.066W PF:0.9385 Freq:59.98Hz<br>Lamp Flux:1027.27x1 lm |       |                  |
| NAME: WS14-033B-BN 16W 50K  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

| ρcc  | 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           |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |
|      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |
| 0.0  | 1.15                            | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.01 | 1.01 | 1.01 | .92 | .92 | .92 | .85 | .85 | .85 | .81 |
| 1.0  | .95                             | .90  | .85  | .91  | .86  | .82  | .83  | .79  | .76  | .76 | .73 | .70 | .69 | .67 | .65 | .61 |
| 2.0  | .81                             | .74  | .67  | .78  | .71  | .65  | .71  | .65  | .60  | .65 | .60 | .56 | .59 | .55 | .52 | .49 |
| 3.0  | .71                             | .61  | .54  | .67  | .59  | .53  | .62  | .55  | .49  | .56 | .51 | .46 | .51 | .47 | .43 | .40 |
| 4.0  | .62                             | .52  | .45  | .59  | .50  | .44  | .54  | .47  | .41  | .50 | .43 | .38 | .45 | .40 | .36 | .33 |
| 5.0  | .55                             | .45  | .38  | .53  | .44  | .37  | .48  | .41  | .35  | .44 | .38 | .33 | .40 | .35 | .31 | .28 |
| 6.0  | .49                             | .40  | .33  | .47  | .38  | .32  | .43  | .36  | .30  | .40 | .33 | .28 | .36 | .31 | .27 | .24 |
| 7.0  | .44                             | .35  | .29  | .42  | .34  | .28  | .39  | .32  | .26  | .36 | .30 | .25 | .33 | .28 | .24 | .21 |
| 8.0  | .40                             | .31  | .25  | .39  | .30  | .25  | .36  | .29  | .23  | .33 | .27 | .22 | .30 | .25 | .21 | .19 |
| 9.0  | .37                             | .28  | .23  | .35  | .27  | .22  | .33  | .26  | .21  | .30 | .24 | .20 | .28 | .23 | .19 | .17 |
| 10.0 | .34                             | .26  | .20  | .32  | .25  | .20  | .30  | .23  | .19  | .28 | .22 | .18 | .26 | .21 | .17 | .15 |



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3 °C  
 Operators:DAMIN  
 Test Date:24 April 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:119.92V I:0.1427A P:16.066W PF:0.9385 Freq:59.98Hz |       |                  |
| Lamp Flux:1027.27x1 lm                                    |       |                  |
| NAME: WS14-033B-BN 16W 50K                                | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

| $\rho_{CC}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0         | .386                  | .220 | .070 | .373 | .213 | .068 | .349                            | .200 | .064 | .327 | .188 | .060 | .306 | .177 | .057 |   |
| 2.0         | .335                  | .183 | .056 | .323 | .178 | .055 | .301                            | .167 | .052 | .280 | .157 | .049 | .262 | .148 | .047 |   |
| 3.0         | .297                  | .158 | .047 | .286 | .153 | .046 | .267                            | .144 | .044 | .248 | .136 | .042 | .231 | .128 | .040 |   |
| 4.0         | .267                  | .139 | .041 | .258 | .135 | .040 | .240                            | .127 | .038 | .223 | .120 | .036 | .207 | .113 | .034 |   |
| 5.0         | .243                  | .124 | .036 | .234 | .120 | .035 | .218                            | .113 | .033 | .202 | .107 | .032 | .188 | .101 | .030 |   |
| 6.0         | .223                  | .112 | .032 | .215 | .108 | .031 | .200                            | .102 | .030 | .186 | .096 | .028 | .172 | .091 | .027 |   |
| 7.0         | .205                  | .101 | .029 | .198 | .099 | .028 | .184                            | .093 | .027 | .171 | .088 | .026 | .159 | .083 | .024 |   |
| 8.0         | .190                  | .093 | .026 | .184 | .090 | .026 | .171                            | .085 | .024 | .159 | .081 | .023 | .148 | .076 | .022 |   |
| 9.0         | .177                  | .086 | .024 | .171 | .083 | .023 | .160                            | .079 | .022 | .149 | .074 | .021 | .138 | .070 | .020 |   |
| 10.0        | .166                  | .080 | .022 | .160 | .077 | .022 | .149                            | .073 | .021 | .139 | .069 | .020 | .130 | .065 | .019 |   |

| $\rho_{CC}$ | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .335                  | .335 | .335 | .287 | .287 | .287 | .196                                       | .196 | .196 | .112 | .112 | .112 | .036 | .036 | .036 |   |
| 1.0         | .332                  | .301 | .274 | .284 | .259 | .236 | .194                                       | .178 | .163 | .112 | .103 | .095 | .036 | .033 | .031 |   |
| 2.0         | .325                  | .279 | .240 | .278 | .240 | .207 | .191                                       | .166 | .145 | .110 | .097 | .085 | .035 | .031 | .028 |   |
| 3.0         | .317                  | .262 | .218 | .272 | .226 | .189 | .187                                       | .157 | .133 | .108 | .092 | .078 | .035 | .030 | .026 |   |
| 4.0         | .310                  | .250 | .204 | .266 | .216 | .177 | .183                                       | .150 | .125 | .106 | .088 | .074 | .034 | .029 | .024 |   |
| 5.0         | .302                  | .240 | .194 | .259 | .208 | .169 | .179                                       | .145 | .119 | .104 | .085 | .071 | .033 | .028 | .023 |   |
| 6.0         | .295                  | .232 | .187 | .253 | .201 | .163 | .175                                       | .141 | .115 | .101 | .083 | .069 | .033 | .027 | .023 |   |
| 7.0         | .288                  | .226 | .182 | .247 | .196 | .159 | .171                                       | .137 | .112 | .099 | .081 | .067 | .032 | .026 | .022 |   |
| 8.0         | .281                  | .220 | .178 | .242 | .191 | .155 | .167                                       | .134 | .110 | .097 | .079 | .066 | .031 | .026 | .022 |   |
| 9.0         | .275                  | .215 | .175 | .237 | .187 | .153 | .164                                       | .131 | .108 | .095 | .078 | .065 | .031 | .025 | .021 |   |
| 10.0        | .269                  | .211 | .173 | .232 | .183 | .151 | .161                                       | .129 | .107 | .094 | .076 | .064 | .030 | .025 | .021 |   |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:24 April 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:

UGR(Unified Glare Rating) Table

|   |       |                  |
|---|-------|------------------|
| Test:U:119.92V I:0.1427A P:16.066W PF:0.9385 Freq:59.98Hz<br>Lamp Flux:1027.27x1 lm |       |                  |
| NAME: WS14-033B-BN 16W 50K  | 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   | 15.8             | 17.2 | 16.3 | 17.7 | 18.3 | 13.8           | 15.2 | 14.4 | 15.7 | 16.3 |
| 3H              | 18.6             | 19.9 | 19.2 | 20.4 | 21.1 | 15.3           | 16.6 | 15.9 | 17.2 | 17.8 |
| 4H              | 20.2             | 21.4 | 20.8 | 22.0 | 22.6 | 15.9           | 17.1 | 16.5 | 17.7 | 18.3 |
| 6H              | 22.0             | 23.1 | 22.6 | 23.7 | 24.4 | 16.3           | 17.4 | 16.9 | 18.0 | 18.7 |
| 8H              | 23.0             | 24.1 | 23.6 | 24.7 | 25.4 | 16.4           | 17.5 | 17.0 | 18.1 | 18.8 |
| 12H             | 24.1             | 25.2 | 24.8 | 25.8 | 26.5 | 16.5           | 17.5 | 17.1 | 18.1 | 18.8 |
| 4H 2H           | 16.3             | 17.5 | 16.9 | 18.1 | 18.7 | 14.9           | 16.1 | 15.5 | 16.7 | 17.3 |
| 3H              | 19.3             | 20.4 | 19.9 | 21.0 | 21.7 | 16.7           | 17.7 | 17.3 | 18.4 | 19.1 |
| 4H              | 21.1             | 22.0 | 21.7 | 22.7 | 23.4 | 17.5           | 18.4 | 18.1 | 19.1 | 19.8 |
| 6H              | 23.1             | 23.9 | 23.7 | 24.6 | 25.3 | 18.1           | 18.9 | 18.7 | 19.6 | 20.4 |
| 8H              | 24.2             | 25.0 | 24.9 | 25.7 | 26.5 | 18.3           | 19.1 | 18.9 | 19.8 | 20.5 |
| 12H             | 25.5             | 26.3 | 26.2 | 26.9 | 27.7 | 18.4           | 19.2 | 19.1 | 19.8 | 20.6 |
| 8H 4H           | 21.3             | 22.2 | 22.0 | 22.8 | 23.6 | 18.4           | 19.2 | 19.1 | 19.9 | 20.7 |
| 6H              | 23.6             | 24.3 | 24.3 | 25.0 | 25.8 | 19.4           | 20.1 | 20.1 | 20.8 | 21.6 |
| 8H              | 24.9             | 25.5 | 25.6 | 26.2 | 27.1 | 19.8           | 20.4 | 20.5 | 21.2 | 22.0 |
| 12H             | 26.5             | 27.0 | 27.2 | 27.8 | 28.6 | 20.2           | 20.7 | 20.9 | 21.5 | 22.3 |
| 12H 4H          | 21.4             | 22.1 | 22.0 | 22.8 | 23.6 | 18.8           | 19.5 | 19.4 | 20.2 | 21.0 |
| 6H              | 23.7             | 24.3 | 24.4 | 25.0 | 25.8 | 19.9           | 20.6 | 20.7 | 21.3 | 22.1 |
| 8H              | 25.1             | 25.6 | 25.8 | 26.4 | 27.2 | 20.5           | 21.1 | 21.3 | 21.8 | 22.7 |

|   |               |               |
|---|---------------|---------------|
| Variations with the observer position at spacings(CIE Pub.117): |               |               |
| S = 1.0H  | + 0.1 / - 0.1 | + 0.1 / - 0.1 |
| 1.5H  | + 0.2 / - 0.2 | + 0.2 / - 0.3 |
| 2.0H  | + 0.2 / - 0.3 | + 0.3 / - 0.5 |

CIE Pub.117, 1027 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.1)  
Area: 0.1 m2

|                         |   |
|-------------------------|---|
| C Range: 0 - 360DEG     | γ Range: 0 - 180DEG                               |
| C Interval: 90.0DEG     | γ Interval: 1.0DEG                                |
| Test Speed: HIGH        | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459 |
| Temperature:25.3℃       | Humidity:65.0%                                    |
| Operators:DAMIN         | Test Distance:7.380m [K=1.0000]                   |
| Test Date:24 April 2026 | Remarks:  |

**UTILIZATION FACTORS TABLE**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.92V I:0.1427A P:16.066W PF:0.9385 Freq:59.98Hz<br>Lamp Flux:1027.27x1 lm |       |                  |
| NAME: WS14-033B-BN 16W 50K  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

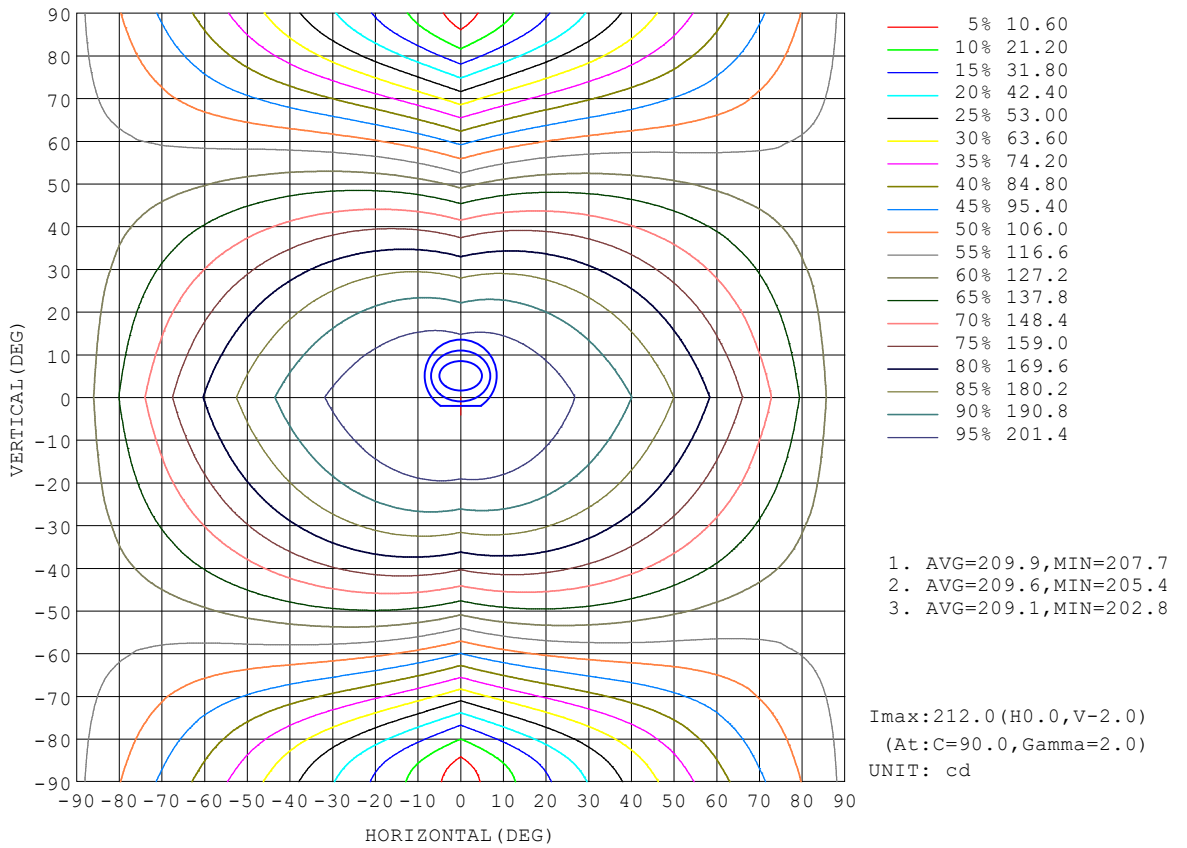
| REFLECTANCE                      |  |     |           |     |     |     |               |     |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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                         | 47   | 35  | 27        | 46  | 34  | 27  | 44            | 33  | 27  | 20     |
| 0.80                             | 56   | 43  | 35        | 55  | 43  | 35  | 52            | 41  | 34  | 26     |
| 1.00                             | 64   | 51  | 43        | 62  | 50  | 42  | 58            | 50  | 41  | 32     |
| 1.25                             | 71   | 58  | 50        | 69  | 57  | 49  | 64            | 54  | 47  | 37     |
| 1.50                             | 76   | 64  | 55        | 73  | 62  | 54  | 68            | 59  | 52  | 41     |
| 2.00                             | 83   | 72  | 64        | 80  | 70  | 62  | 74            | 66  | 60  | 48     |
| 2.50                             | 88   | 78  | 70        | 85  | 75  | 68  | 78            | 70  | 64  | 51     |
| 3.00                             | 92   | 82  | 75        | 88  | 80  | 73  | 81            | 74  | 69  | 55     |
| 4.00                             | 97   | 89  | 82        | 93  | 85  | 79  | 85            | 79  | 74  | 60     |
| 5.00                             | 100  | 93  | 87        | 95  | 89  | 84  | 88            | 83  | 78  | 63     |
| 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:24 April 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:

**ISOCANDELA DIAGRAM**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.92V I:0.1427A P:16.066W PF:0.9385 Freq:59.98Hz<br>Lamp Flux:1027.27x1 lm |       |                  |
| NAME: WS14-033B-BN 16W 50K  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

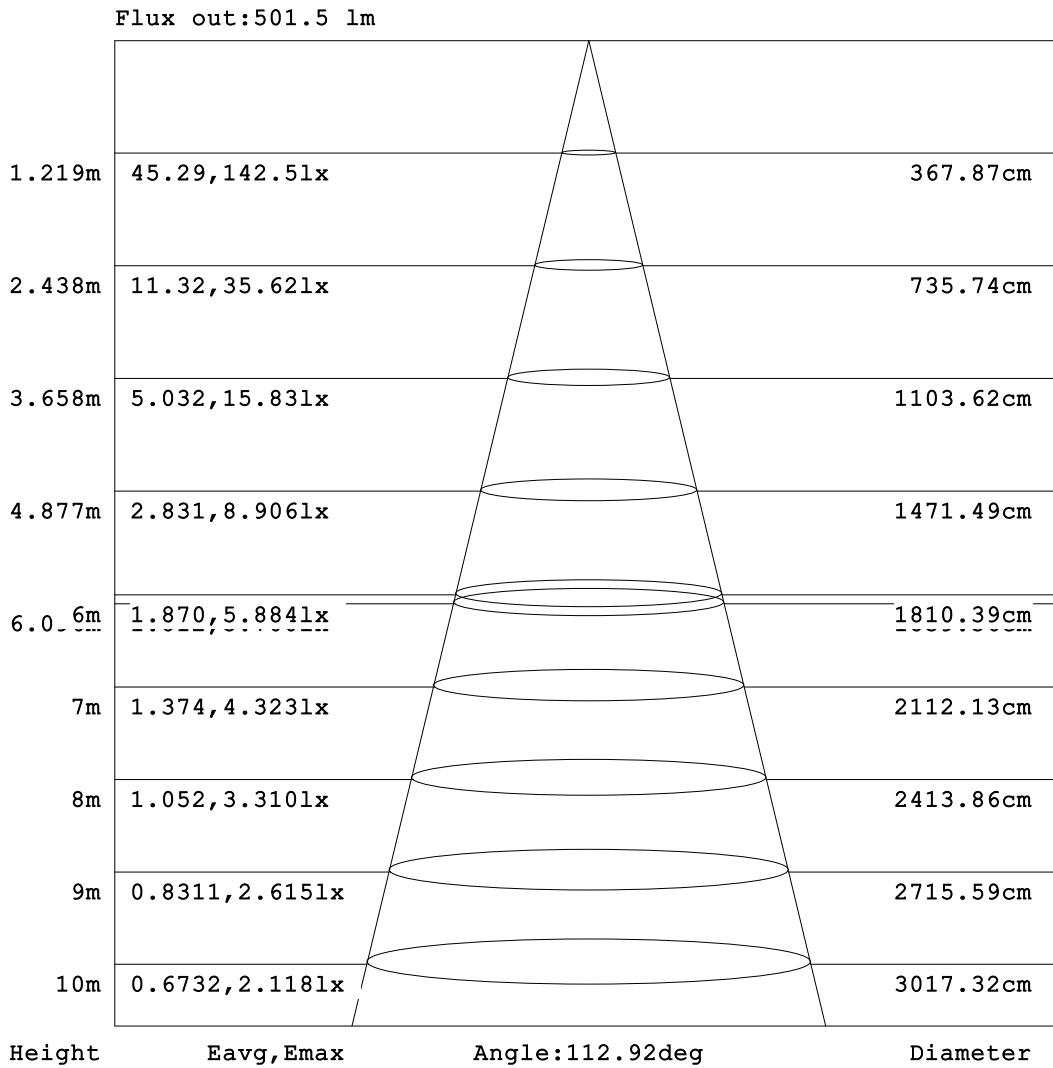


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3 °C  
 Operators:DAMIN  
 Test Date:24 April 2026

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:119.92V I:0.1427A P:16.066W PF:0.9385 Freq:59.98Hz<br>Lamp Flux:1027.27x1 lm |       |                  |
| NAME: WS14-033B-BN 16W 50K  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |



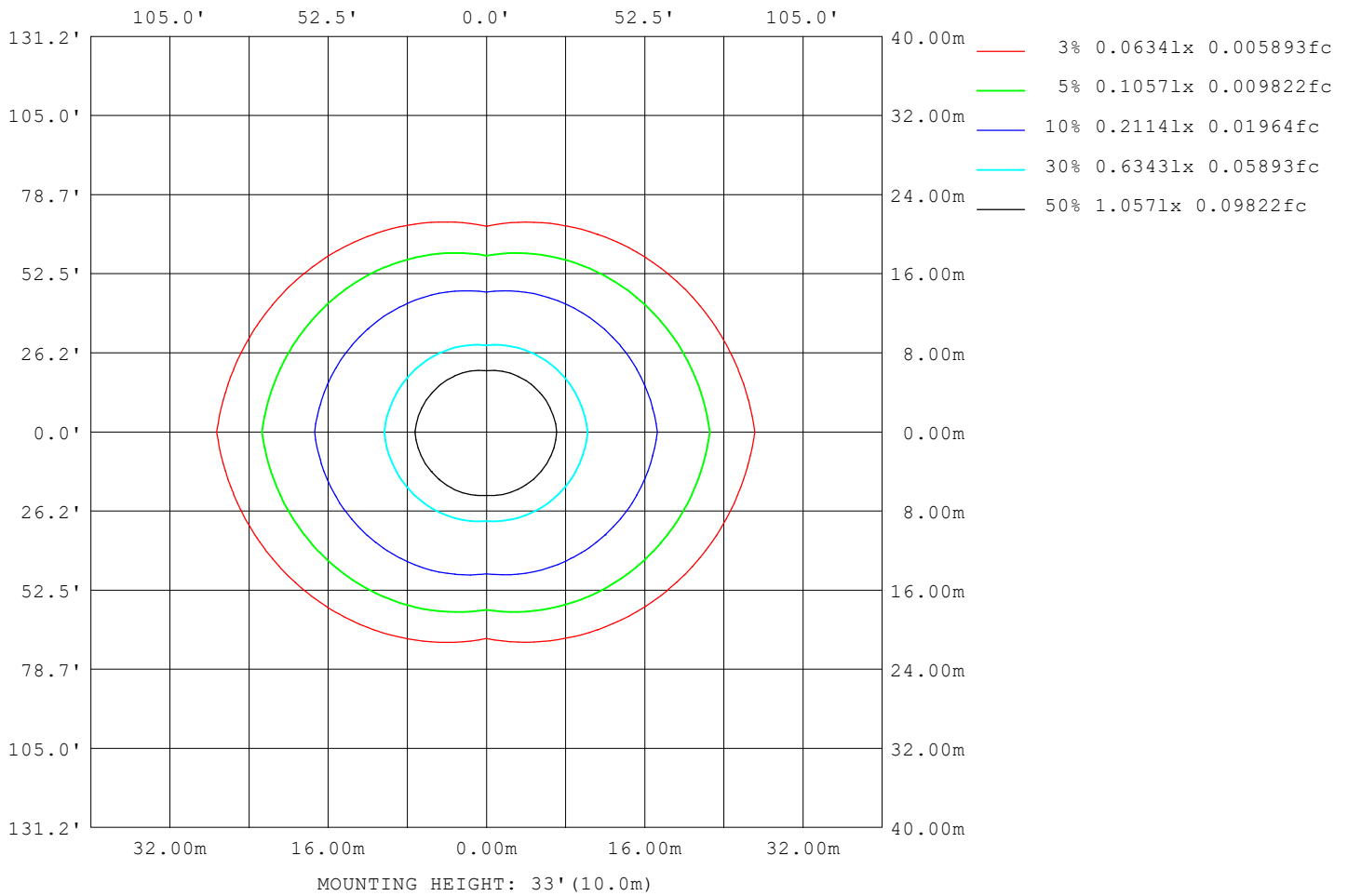
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators: DAMIN  
 Test Date: 24 April 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:119.92V I:0.1427A P:16.066W PF:0.9385 Freq:59.98Hz<br>Lamp Flux:1027.27x1 lm |       |                  |
| NAME: WS14-033B-BN 16W 50K  | 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:24 April 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:119.92V I:0.1427A P:16.066W PF:0.9385 Freq:59.98Hz<br>Lamp Flux:1027.27x1 lm |       |                  |
| NAME: WS14-033B-BN 16W 50K  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

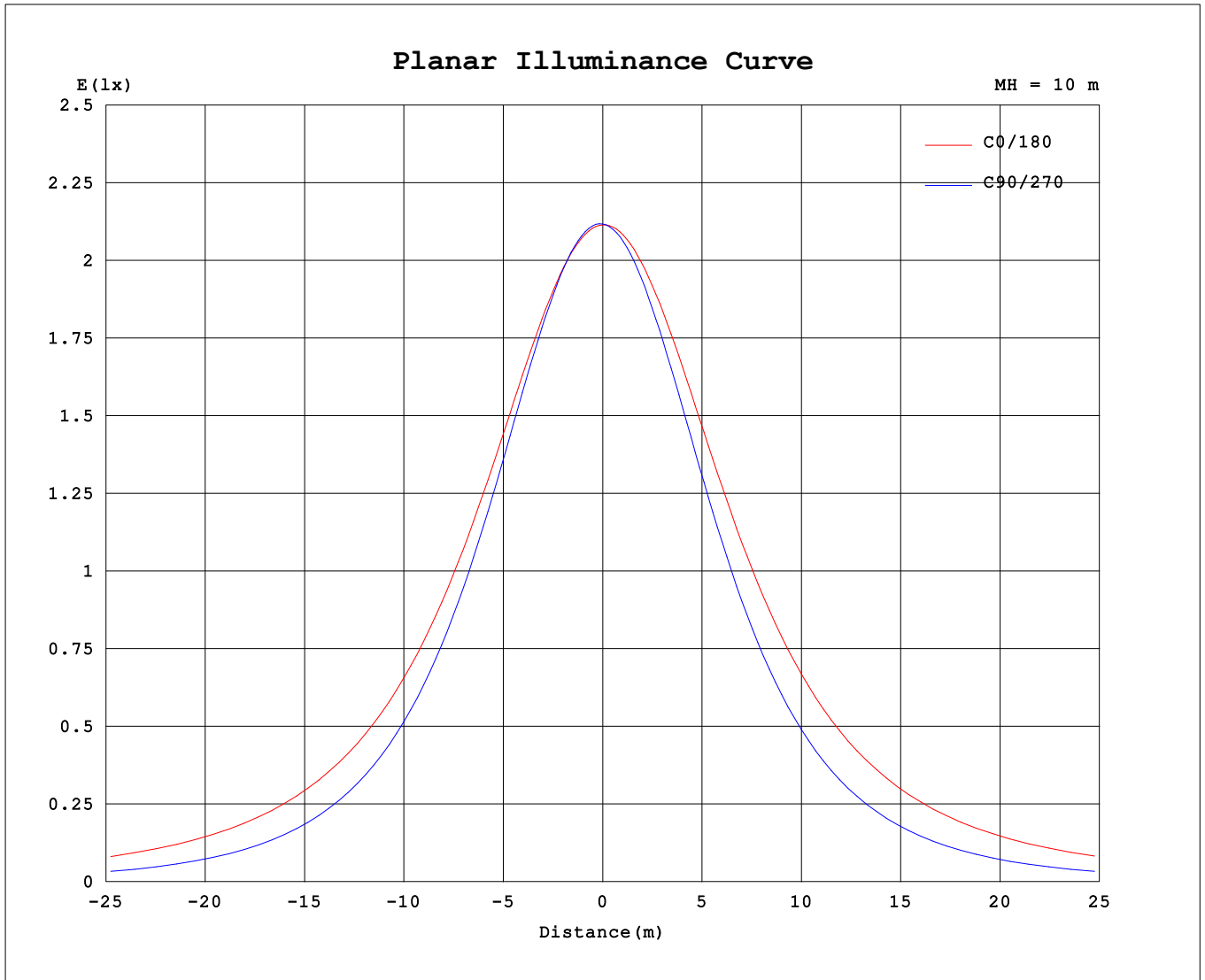
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 3825  |
| L_0~180 (75) av  | 5632  |
| L_0~180 (85) av  | 14766 |
| L_90~270 (65) av | 1800  |
| L_90~270 (75) av | 1543  |
| L_90~270 (85) av | 1249  |
| L_45 (65) av     | 2561  |
| L_45 (75) av     | 3079  |
| L_45 (85) av     | 6320  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:DAMIN  
 Test Date:24 April 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: 24 April 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:

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |       |                  |
|---|-------|------------------|
| Test:U:119.92V I:0.1427A P:16.066W PF:0.9385 Freq:59.98Hz<br>Lamp Flux:1027.27x1 lm |       |                  |
| NAME: WS14-033B-BN 16W 50K  | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.: 1    |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                 | 211  | 212  | 211  | 212  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 211  | 212  | 212  | 210  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                | 210  | 210  | 211  | 206  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                | 208  | 206  | 210  | 201  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                | 206  | 200  | 208  | 194  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                | 203  | 193  | 206  | 186  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                | 199  | 184  | 203  | 176  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                | 195  | 173  | 199  | 165  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                | 191  | 160  | 194  | 152  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                | 186  | 146  | 189  | 139  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                | 180  | 130  | 183  | 124  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                | 174  | 113  | 177  | 109  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                | 167  | 95.4 | 170  | 92.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                | 160  | 76.5 | 163  | 75.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                | 153  | 57.2 | 155  | 58.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                | 145  | 38.3 | 147  | 41.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                | 137  | 21.3 | 138  | 25.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                | 128  | 9.04 | 129  | 12.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                | 119  | 4.88 | 119  | 5.47 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                | 110  | 5.14 | 110  | 3.71 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100               | 88.9 | 5.68 | 80.8 | 3.58 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105               | 57.7 | 6.53 | 40.6 | 3.72 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110               | 67.4 | 7.24 | 54.1 | 4.17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115               | 66.1 | 8.21 | 63.7 | 4.59 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120               | 59.7 | 9.18 | 57.0 | 5.08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125               | 53.5 | 10.1 | 50.6 | 5.30 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130               | 47.4 | 11.0 | 44.3 | 4.45 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135               | 41.9 | 11.8 | 38.9 | 4.04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140               | 36.8 | 12.6 | 33.9 | 5.12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145               | 29.8 | 13.3 | 27.3 | 5.08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150               | 13.7 | 13.9 | 12.3 | 4.17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155               | 12.8 | 14.5 | 10.9 | 4.21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160               | 11.8 | 14.1 | 10.5 | 4.31 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165               | 13.4 | 12.8 | 11.6 | 4.43 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170               | 11.9 | 12.0 | 11.1 | 5.28 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175               | 10.0 | 12.4 | 9.47 | 8.05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180               | 11.1 | 10.9 | 10.9 | 11.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:DAMIN  
 Test Date:24 April 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: