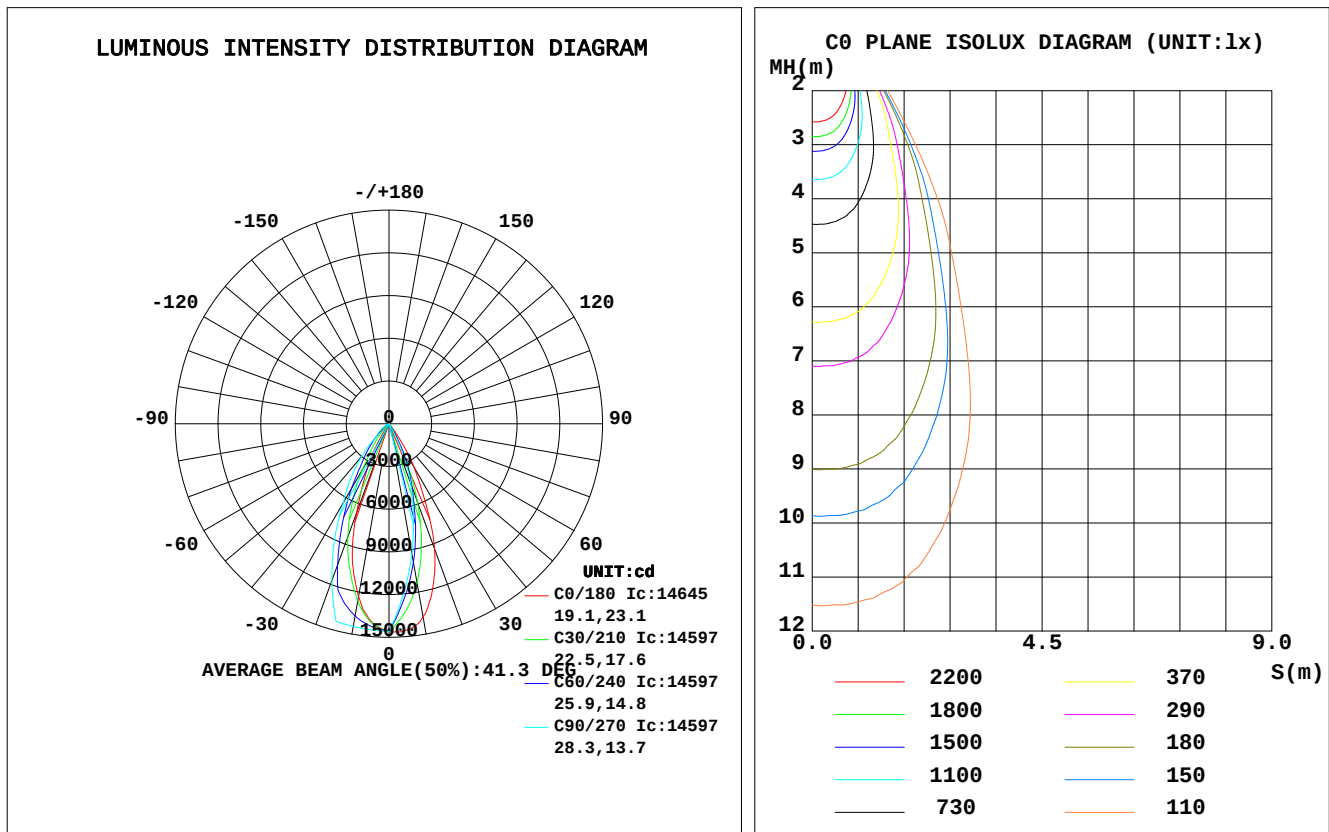


## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                              |                       |                   |
|--------------------------------------------------------------|-----------------------|-------------------|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635 Lamp Flux:235x1 lm |                       |                   |
| NAME: 490237 BODACIOUS                                       | TYPE:490237 BODACIOUS | WEIGHT:           |
| SPEC.:                                                       | DIM.:                 | SERIAL No.:       |
| MFR.:                                                        | SUR.:                 | PROTECTION ANGLE: |

| DATA OF LAMP     |                  | PHOTOMETRIC DATA Eff: 79.59 lm/W |        |                    |            |
|------------------|------------------|----------------------------------|--------|--------------------|------------|
| MODEL            | 490237 BODACIOUS | I <sub>max</sub> (cd)            | 14645  | S/MH(C0/180)       | 0.61       |
| NOMINAL POWER(W) | 16               | LOR(%)                           | 537.3  | S/MH(C90/270)      | 0.87       |
| RATED VOLTAGE(V) | 12               | TOTAL FLUX(lm)                   | 8060.1 | η UP, DN(C0-180)   | 0.0, 160.4 |
| NOMINAL FLUX(lm) | 1500             | CIE CLASS                        | DIRECT | η UP, DN(C180-360) | 0.0, 377.0 |
| LAMPS INSIDE     | 1                | η up(%)                          | 0.0    | CIBSE SHR NOM      | 0.50       |
| TEST VOLTAGE(V)  | 12               | η down(%)                        | 537.3  | CIBSE SHR MAX      | 0.65       |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-04-16

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

| γ   | C0                       | C45    | C90    | C135   | C180   | C225  | C270  | C315  | γ       | φ zone | φ total | %lum, lamp |
|-----|--------------------------|--------|--------|--------|--------|-------|-------|-------|---------|--------|---------|------------|
| 5   | 1453                     | 1273   | 1193   | 1235   | 1396   | 1415  | 1452  | 1458  | 0- 5    | 332.9  | 332.9   | 4.13, 22.2 |
| 10  | 1375                     | 1048   | 926.9  | 967.9  | 1234   | 1313  | 1445  | 1417  | 5- 10   | 913.7  | 1247    | 15.5, 83.1 |
| 15  | 1191                     | 783.5  | 660.5  | 672.6  | 994.3  | 1156  | 1438  | 1322  | 10- 15  | 1314   | 2560    | 31.8, 171  |
| 20  | 938.7                    | 503.0  | 448.6  | 361.7  | 666.3  | 985.9 | 1172  | 1166  | 15- 20  | 1463   | 4023    | 49.9, 268  |
| 25  | 601.2                    | 276.3  | 236.6  | 170.1  | 389.6  | 724.5 | 906.8 | 877.5 | 20- 25  | 1327   | 5349    | 66.4, 357  |
| 30  | 350.7                    | 123.1  | 24.63  | 68.48  | 181.0  | 470.0 | 641.4 | 606.2 | 25- 30  | 1014   | 6363    | 79, 424    |
| 35  | 131.0                    | 35.90  | 16.43  | 20.82  | 42.68  | 270.3 | 468.2 | 380.4 | 30- 35  | 669.5  | 7033    | 87.3, 469  |
| 40  | 28.63                    | 0.8901 | 8.227  | 0.6579 | 12.04  | 143.8 | 295.0 | 217.2 | 35- 40  | 426.2  | 7459    | 92.5, 497  |
| 45  | 8.983                    | 0.5017 | 0.0271 | 0.4575 | 5.198  | 87.56 | 121.9 | 135.8 | 40- 45  | 251.8  | 7711    | 95.7, 514  |
| 50  | 4.336                    | 0.2816 | 0.0298 | 0.2629 | 2.755  | 48.63 | 91.43 | 84.09 | 45- 50  | 137.5  | 7848    | 97.4, 523  |
| 55  | 2.501                    | 0.1118 | 0.0325 | 0.0269 | 1.868  | 17.72 | 60.98 | 42.41 | 50- 55  | 88.78  | 7937    | 98.5, 529  |
| 60  | 1.587                    | 0.0744 | 0.0352 | 0.0094 | 1.393  | 9.044 | 30.52 | 18.76 | 55- 60  | 55.35  | 7993    | 99.2, 533  |
| 65  | 1.216                    | 0.0298 | 0.0704 | 0.0126 | 1.060  | 4.708 | 21.88 | 6.934 | 60- 65  | 31.01  | 8024    | 99.5, 535  |
| 70  | 0.8908                   | 0.0246 | 0.1057 | 0.0289 | 0.7404 | 2.792 | 13.24 | 3.397 | 65- 70  | 19.33  | 8043    | 99.8, 536  |
| 75  | 0.5874                   | 0.0632 | 0.1409 | 0.0660 | 0.4423 | 2.171 | 4.604 | 2.521 | 70- 75  | 11.19  | 8054    | 99.9, 537  |
| 80  | 0.3192                   | 0.0781 | 0      | 0.0802 | 0.2037 | 1.387 | 0     | 1.501 | 75- 80  | 4.720  | 8059    | 100, 537   |
| 85  | 0.0889                   | 0      | 0      | 0      | 0.0140 | 0     | 0     | 0     | 80- 85  | 1.125  | 8060    | 100, 537   |
| 90  | 0                        | 0      | 0      | 0      | 0.0000 | 0     | 0     | 0     | 85- 90  | 0.1153 | 8060    | 100, 537   |
| 95  |                          |        |        |        |        |       |       |       | 90- 95  |        |         |            |
| 100 |                          |        |        |        |        |       |       |       | 95-100  |        |         |            |
| 105 |                          |        |        |        |        |       |       |       | 100-105 |        |         |            |
| 110 |                          |        |        |        |        |       |       |       | 105-110 |        |         |            |
| 115 |                          |        |        |        |        |       |       |       | 110-115 |        |         |            |
| 120 |                          |        |        |        |        |       |       |       | 115-120 |        |         |            |
| 125 |                          |        |        |        |        |       |       |       | 120-125 |        |         |            |
| 130 |                          |        |        |        |        |       |       |       | 125-130 |        |         |            |
| 135 |                          |        |        |        |        |       |       |       | 130-135 |        |         |            |
| 140 |                          |        |        |        |        |       |       |       | 135-140 |        |         |            |
| 145 |                          |        |        |        |        |       |       |       | 140-145 |        |         |            |
| 150 |                          |        |        |        |        |       |       |       | 145-150 |        |         |            |
| 155 |                          |        |        |        |        |       |       |       | 150-155 |        |         |            |
| 160 |                          |        |        |        |        |       |       |       | 155-160 |        |         |            |
| 165 |                          |        |        |        |        |       |       |       | 160-165 |        |         |            |
| 170 |                          |        |        |        |        |       |       |       | 165-170 |        |         |            |
| 175 |                          |        |        |        |        |       |       |       | 170-175 |        |         |            |
| 180 |                          |        |        |        |        |       |       |       | 175-180 |        |         |            |
| DEG | LUMINOUS INTENSITY:×10cd |        |        |        |        |       |       |       | UNIT:lm |        |         |            |

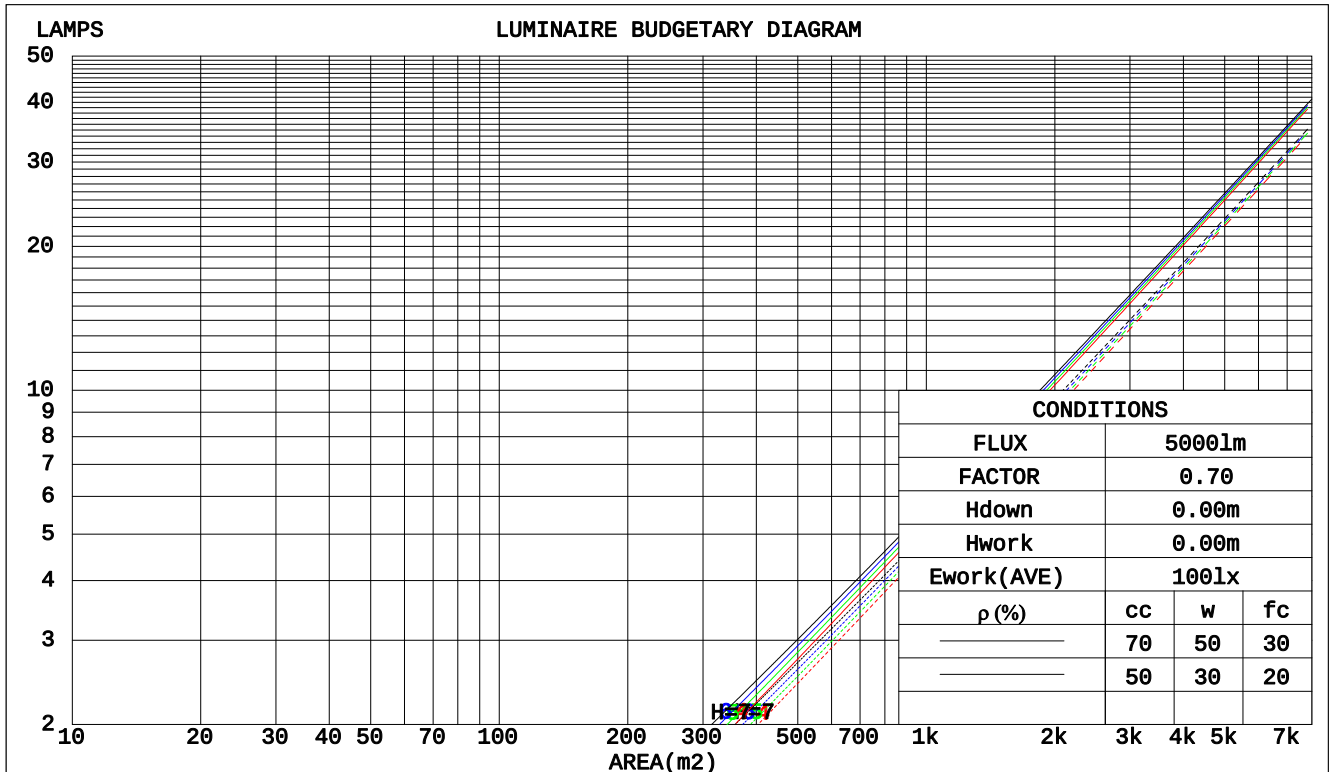
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-04-16

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
γ Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                              |                       |                   |
|--------------------------------------------------------------|-----------------------|-------------------|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635 Lamp Flux:235x1 lm |                       |                   |
| NAME: 490237 BODACIOUS                                       | TYPE:490237 BODACIOUS | WEIGHT:           |
| SPEC.:                                                       | DIM.:                 | SERIAL No.:       |
| MFR.:                                                        | SUR.:                 | PROTECTION ANGLE: |

| ρ <sub>CC</sub>       | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0    |
|-----------------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ρ <sub>W</sub>        | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| ρ <sub>fc</sub>       | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0    |
| RCR                   | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| RCR:Room Cavity Ratio |                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 0.0                   | 6.40                            | 6.40 | 6.40 | 6.25 | 6.25 | 6.25 | 5.97 | 5.97 | 5.97 | 5.72 | 5.72 | 5.72 | 5.48 | 5.48 | 5.48 | 5.37 |
| 1.0                   | 5.98                            | 5.85 | 5.73 | 5.86 | 5.75 | 5.64 | 5.64 | 5.55 | 5.47 | 5.44 | 5.37 | 5.31 | 5.26 | 5.21 | 5.15 | 5.06 |
| 2.0                   | 5.59                            | 5.39 | 5.21 | 5.50 | 5.31 | 5.16 | 5.33 | 5.17 | 5.04 | 5.17 | 5.04 | 4.94 | 5.02 | 4.92 | 4.83 | 4.75 |
| 3.0                   | 5.24                            | 4.99 | 4.79 | 5.17 | 4.94 | 4.76 | 5.03 | 4.84 | 4.68 | 4.90 | 4.74 | 4.61 | 4.78 | 4.65 | 4.54 | 4.46 |
| 4.0                   | 4.93                            | 4.66 | 4.45 | 4.87 | 4.62 | 4.42 | 4.76 | 4.54 | 4.37 | 4.66 | 4.47 | 4.32 | 4.56 | 4.40 | 4.27 | 4.19 |
| 5.0                   | 4.66                            | 4.36 | 4.15 | 4.61 | 4.33 | 4.13 | 4.51 | 4.28 | 4.09 | 4.42 | 4.22 | 4.06 | 4.34 | 4.17 | 4.02 | 3.95 |
| 6.0                   | 4.40                            | 4.11 | 3.89 | 4.36 | 4.08 | 3.88 | 4.28 | 4.04 | 3.85 | 4.21 | 3.99 | 3.83 | 4.14 | 3.95 | 3.80 | 3.73 |
| 7.0                   | 4.17                            | 3.88 | 3.67 | 4.14 | 3.86 | 3.66 | 4.07 | 3.82 | 3.64 | 4.01 | 3.79 | 3.62 | 3.95 | 3.75 | 3.60 | 3.53 |
| 8.0                   | 3.97                            | 3.67 | 3.46 | 3.94 | 3.65 | 3.46 | 3.88 | 3.63 | 3.44 | 3.83 | 3.60 | 3.43 | 3.78 | 3.57 | 3.42 | 3.35 |
| 9.0                   | 3.78                            | 3.48 | 3.28 | 3.75 | 3.47 | 3.28 | 3.70 | 3.45 | 3.27 | 3.66 | 3.42 | 3.26 | 3.61 | 3.40 | 3.25 | 3.18 |
| 10.0                  | 3.60                            | 3.31 | 3.12 | 3.58 | 3.30 | 3.12 | 3.54 | 3.28 | 3.11 | 3.50 | 3.27 | 3.10 | 3.46 | 3.25 | 3.09 | 3.03 |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-04-16

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                                                              |  |  |  |  |  |  |                       |  |  |  |  |                   |  |  |
|--------------------------------------------------------------|--|--|--|--|--|--|-----------------------|--|--|--|--|-------------------|--|--|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635 Lamp Flux:235x1 lm |  |  |  |  |  |  |                       |  |  |  |  |                   |  |  |
| NAME: 490237 BODACIOUS                                       |  |  |  |  |  |  | TYPE:490237 BODACIOUS |  |  |  |  | WEIGHT:           |  |  |
| SPEC.:                                                       |  |  |  |  |  |  | DIM.:                 |  |  |  |  | SERIAL No.:       |  |  |
| MFR.:                                                        |  |  |  |  |  |  | SUR.:                 |  |  |  |  | PROTECTION 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 |      |      |      |      |      | Wall Exitance Coeffcients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .910                  | .518 | .164 | .874 | .499 | .158 | .807                           | .463 | .148 | .745 | .430 | .138 | .688 | .399 | .128 |   |  |
| 2.0  | .867                  | .475 | .146 | .837 | .461 | .142 | .781                           | .434 | .135 | .728 | .409 | .128 | .680 | .385 | .121 |   |  |
| 3.0  | .823                  | .438 | .131 | .797 | .427 | .129 | .749                           | .406 | .123 | .705 | .386 | .118 | .664 | .367 | .114 |   |  |
| 4.0  | .781                  | .406 | .119 | .759 | .397 | .117 | .718                           | .381 | .114 | .679 | .365 | .110 | .644 | .350 | .107 |   |  |
| 5.0  | .742                  | .378 | .110 | .723 | .371 | .108 | .688                           | .358 | .105 | .654 | .345 | .103 | .623 | .333 | .100 |   |  |
| 6.0  | .707                  | .354 | .101 | .690 | .349 | .100 | .659                           | .338 | .098 | .630 | .327 | .096 | .602 | .317 | .094 |   |  |
| 7.0  | .675                  | .334 | .095 | .660 | .329 | .094 | .632                           | .320 | .092 | .606 | .311 | .090 | .582 | .302 | .089 |   |  |
| 8.0  | .645                  | .315 | .089 | .632 | .311 | .088 | .607                           | .303 | .087 | .584 | .296 | .085 | .562 | .289 | .084 |   |  |
| 9.0  | .618                  | .299 | .083 | .606 | .295 | .083 | .584                           | .289 | .082 | .563 | .282 | .081 | .544 | .276 | .080 |   |  |
| 10.0 | .592                  | .284 | .079 | .582 | .281 | .078 | .562                           | .275 | .078 | .543 | .270 | .077 | .526 | .264 | .076 |   |  |

| 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 |       |       |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | 1.024                 | 1.024 | 1.024 | .875 | .875 | .875 | .597                                       | .597 | .597 | .343 | .343 | .343 | .110 | .110 | .110 |   |
| 1.0  | .917                  | .846  | .782  | .784 | .726 | .673 | .536                                       | .499 | .465 | .309 | .289 | .271 | .099 | .093 | .087 |   |
| 2.0  | .832                  | .712  | .611  | .713 | .613 | .529 | .488                                       | .424 | .369 | .282 | .247 | .216 | .090 | .080 | .070 |   |
| 3.0  | .763                  | .610  | .488  | .654 | .526 | .423 | .449                                       | .366 | .297 | .259 | .213 | .175 | .083 | .069 | .057 |   |
| 4.0  | .705                  | .530  | .396  | .605 | .458 | .344 | .416                                       | .319 | .243 | .241 | .187 | .143 | .077 | .061 | .047 |   |
| 5.0  | .657                  | .467  | .327  | .564 | .404 | .285 | .388                                       | .282 | .201 | .225 | .166 | .119 | .073 | .054 | .039 |   |
| 6.0  | .615                  | .416  | .274  | .529 | .361 | .238 | .365                                       | .252 | .169 | .212 | .148 | .100 | .068 | .049 | .033 |   |
| 7.0  | .579                  | .375  | .232  | .498 | .325 | .202 | .344                                       | .228 | .143 | .200 | .134 | .085 | .065 | .044 | .028 |   |
| 8.0  | .547                  | .341  | .199  | .471 | .296 | .174 | .326                                       | .208 | .123 | .190 | .123 | .073 | .061 | .040 | .024 |   |
| 9.0  | .519                  | .313  | .173  | .448 | .271 | .151 | .310                                       | .191 | .107 | .181 | .113 | .064 | .059 | .037 | .021 |   |
| 10.0 | .495                  | .289  | .152  | .426 | .251 | .132 | .296                                       | .176 | .094 | .172 | .104 | .056 | .056 | .034 | .019 |   |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-04-16

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                              |                  |     |     |     |                       |                |      |                   |      |      |
|--------------------------------------------------------------|------------------|-----|-----|-----|-----------------------|----------------|------|-------------------|------|------|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635 Lamp Flux:235x1 lm |                  |     |     |     |                       |                |      |                   |      |      |
| NAME: 490237 BODACIOUS                                       |                  |     |     |     | TYPE:490237 BODACIOUS |                |      | WEIGHT:           |      |      |
| SPEC.:                                                       |                  |     |     |     | DIM.:                 |                |      | SERIAL No.:       |      |      |
| MFR.:                                                        |                  |     |     |     | SUR.:                 |                |      | PROTECTION 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                                                | 5.7              | 6.6 | 6.0 | 6.8 | 6.9                   | -8.0           | -7.1 | -7.7              | -6.9 | -6.7 |
| 3H                                                           | 5.6              | 6.4 | 5.8 | 6.6 | 6.8                   | -8.1           | -7.3 | -7.9              | -7.1 | -6.9 |
| 4H                                                           | 5.5              | 6.3 | 5.8 | 6.5 | 6.7                   | -8.2           | -7.4 | -7.9              | -7.2 | -7.0 |
| 6H                                                           | 5.4              | 6.1 | 5.7 | 6.4 | 6.6                   | -8.2           | -7.5 | -7.9              | -7.3 | -7.0 |
| 8H                                                           | 5.4              | 6.1 | 5.7 | 6.3 | 6.6                   | -8.3           | -7.6 | -8.0              | -7.3 | -7.1 |
| 12H                                                          | 5.3              | 6.0 | 5.6 | 6.3 | 6.5                   | -8.3           | -7.7 | -8.0              | -7.4 | -7.1 |
| 4H 2H                                                        | 5.5              | 6.3 | 5.8 | 6.5 | 6.7                   | -8.2           | -7.4 | -7.9              | -7.2 | -7.0 |
| 3H                                                           | 5.3              | 6.0 | 5.6 | 6.2 | 6.5                   | -8.4           | -7.7 | -8.0              | -7.4 | -7.2 |
| 4H                                                           | 5.2              | 5.8 | 5.6 | 6.1 | 6.4                   | -8.4           | -7.8 | -8.1              | -7.5 | -7.2 |
| 6H                                                           | 5.1              | 5.7 | 5.5 | 6.0 | 6.3                   | -8.5           | -7.9 | -8.1              | -7.6 | -7.3 |
| 8H                                                           | 5.1              | 5.6 | 5.5 | 5.9 | 6.3                   | -8.5           | -8.0 | -8.1              | -7.7 | -7.3 |
| 12H                                                          | 5.0              | 5.5 | 5.4 | 5.9 | 6.2                   | -8.6           | -8.1 | -8.2              | -7.8 | -7.4 |
| 8H 4H                                                        | 5.1              | 5.6 | 5.5 | 5.9 | 6.3                   | -8.5           | -8.0 | -8.1              | -7.7 | -7.3 |
| 6H                                                           | 5.0              | 5.4 | 5.4 | 5.8 | 6.2                   | -8.6           | -8.2 | -8.2              | -7.8 | -7.4 |
| 8H                                                           | 4.9              | 5.3 | 5.4 | 5.7 | 6.1                   | -8.7           | -8.3 | -8.2              | -7.9 | -7.5 |
| 12H                                                          | 4.9              | 5.2 | 5.3 | 5.6 | 6.1                   | -8.7           | -8.4 | -8.3              | -8.0 | -7.5 |
| 12H 4H                                                       | 5.0              | 5.5 | 5.4 | 5.8 | 6.2                   | -8.6           | -8.1 | -8.2              | -7.8 | -7.4 |
| 6H                                                           | 4.9              | 5.3 | 5.4 | 5.7 | 6.1                   | -8.7           | -8.3 | -8.2              | -7.9 | -7.5 |
| 8H                                                           | 4.9              | 5.2 | 5.3 | 5.6 | 6.1                   | -8.7           | -8.4 | -8.3              | -8.0 | -7.5 |
| Variations with the observer position at spacings:           |                  |     |     |     |                       |                |      |                   |      |      |
| S = 1.0H                                                     | + 6.5 / -13.4    |     |     |     |                       | + 4.8 / -12.0  |      |                   |      |      |
| 1.5H                                                         | + 9.2 / -17.4    |     |     |     |                       | + 7.6 / -12.5  |      |                   |      |      |
| 2.0H                                                         | + 8.5 / -12.8    |     |     |     |                       | + 0.9 / - 1.1  |      |                   |      |      |

CIE Pub.117 Corrected 1500 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.4)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-04-16

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|                                                              |                       |                   |
|--------------------------------------------------------------|-----------------------|-------------------|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635 Lamp Flux:235x1 lm |                       |                   |
| NAME: 490237 BODACIOUS                                       | TYPE:490237 BODACIOUS | WEIGHT:           |
| SPEC.:                                                       | DIM.:                 | SERIAL No.:       |
| MFR.:                                                        | SUR.:                 | PROTECTION ANGLE: |

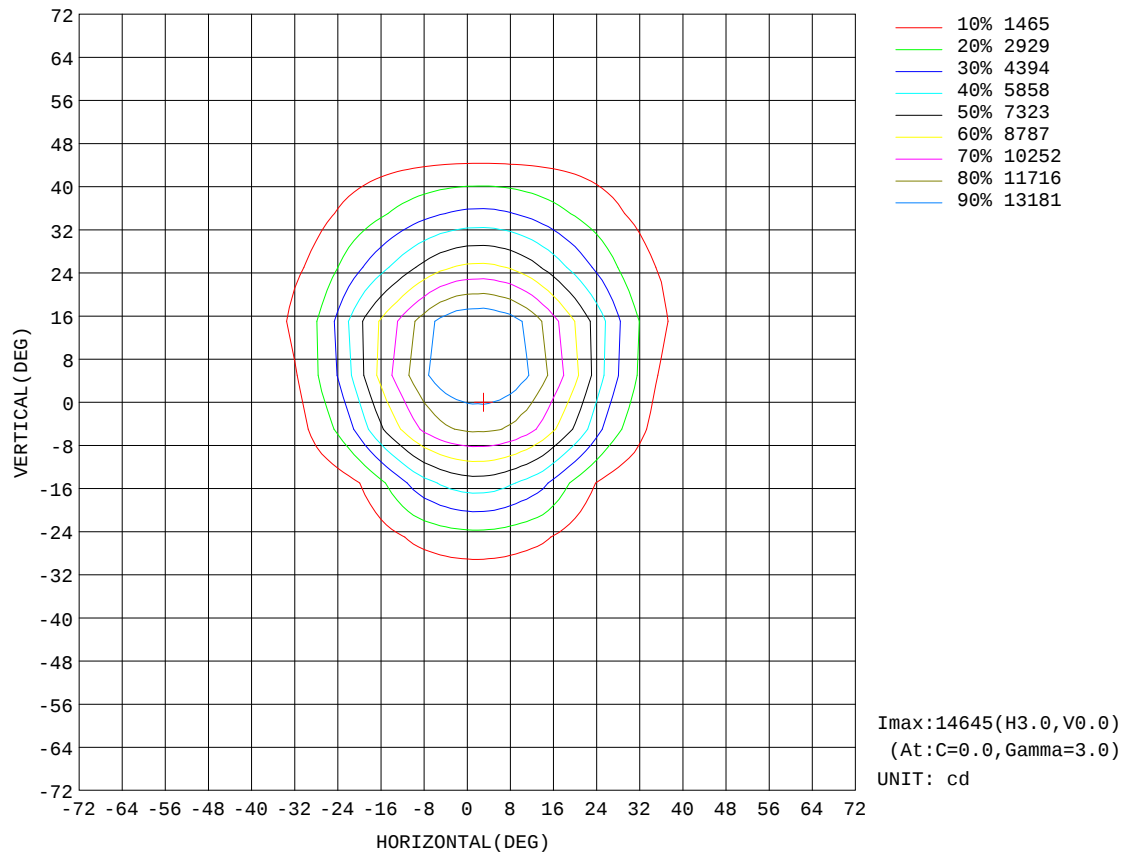
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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                         | 467                                                 | 432 | 411       | 464 | 431 | 411 | 460 | 429           | 410 | 391    |
| 0.80                             | 507                                                 | 475 | 455       | 503 | 473 | 454 | 497 | 470           | 452 | 432    |
| 1.00                             | 532                                                 | 501 | 482       | 527 | 499 | 480 | 519 | 498           | 477 | 456    |
| 1.25                             | 553                                                 | 525 | 507       | 548 | 522 | 505 | 537 | 516           | 500 | 478    |
| 1.50                             | 568                                                 | 543 | 525       | 562 | 539 | 522 | 550 | 531           | 516 | 492    |
| 2.00                             | 583                                                 | 560 | 543       | 575 | 555 | 539 | 561 | 544           | 531 | 503    |
| 2.50                             | 592                                                 | 571 | 555       | 583 | 565 | 551 | 567 | 552           | 540 | 509    |
| 3.00                             | 600                                                 | 582 | 567       | 591 | 574 | 561 | 573 | 560           | 550 | 515    |
| 4.00                             | 611                                                 | 596 | 584       | 600 | 588 | 577 | 581 | 571           | 562 | 524    |
| 5.00                             | 618                                                 | 606 | 596       | 606 | 596 | 587 | 585 | 578           | 571 | 530    |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:Y  
 Test Date:2025-04-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

### ISOCANDELA DIAGRAM

|                                                              |                       |                   |
|--------------------------------------------------------------|-----------------------|-------------------|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635 Lamp Flux:235x1 lm |                       |                   |
| NAME: 490237 BODACIOUS                                       | TYPE:490237 BODACIOUS | WEIGHT:           |
| SPEC.:                                                       | DIM.:                 | SERIAL No.:       |
| MFR.:                                                        | SUR.:                 | PROTECTION ANGLE: |

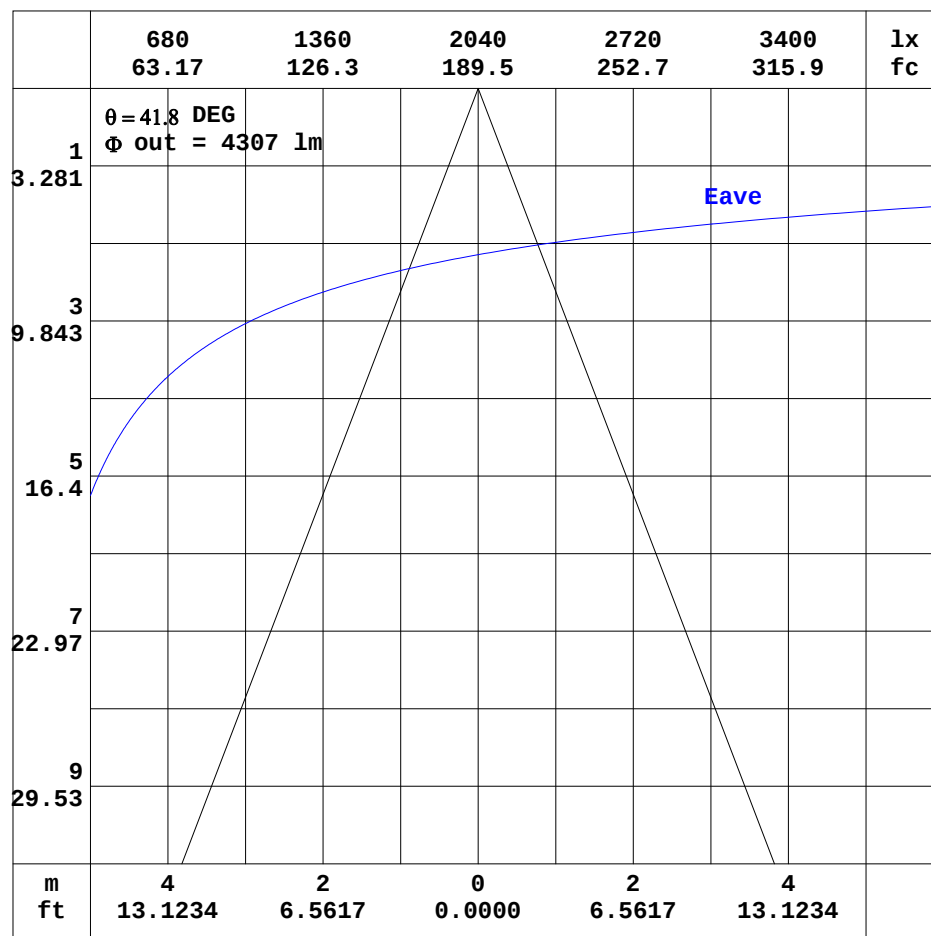


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-04-16

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

## AAI CURVES

|                                                              |                       |                   |
|--------------------------------------------------------------|-----------------------|-------------------|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635 Lamp Flux:235x1 lm |                       |                   |
| NAME: 490237 BODACIOUS                                       | TYPE:490237 BODACIOUS | WEIGHT:           |
| SPEC.:                                                       | DIM.:                 | SERIAL No.:       |
| MFR.:                                                        | SUR.:                 | PROTECTION ANGLE: |



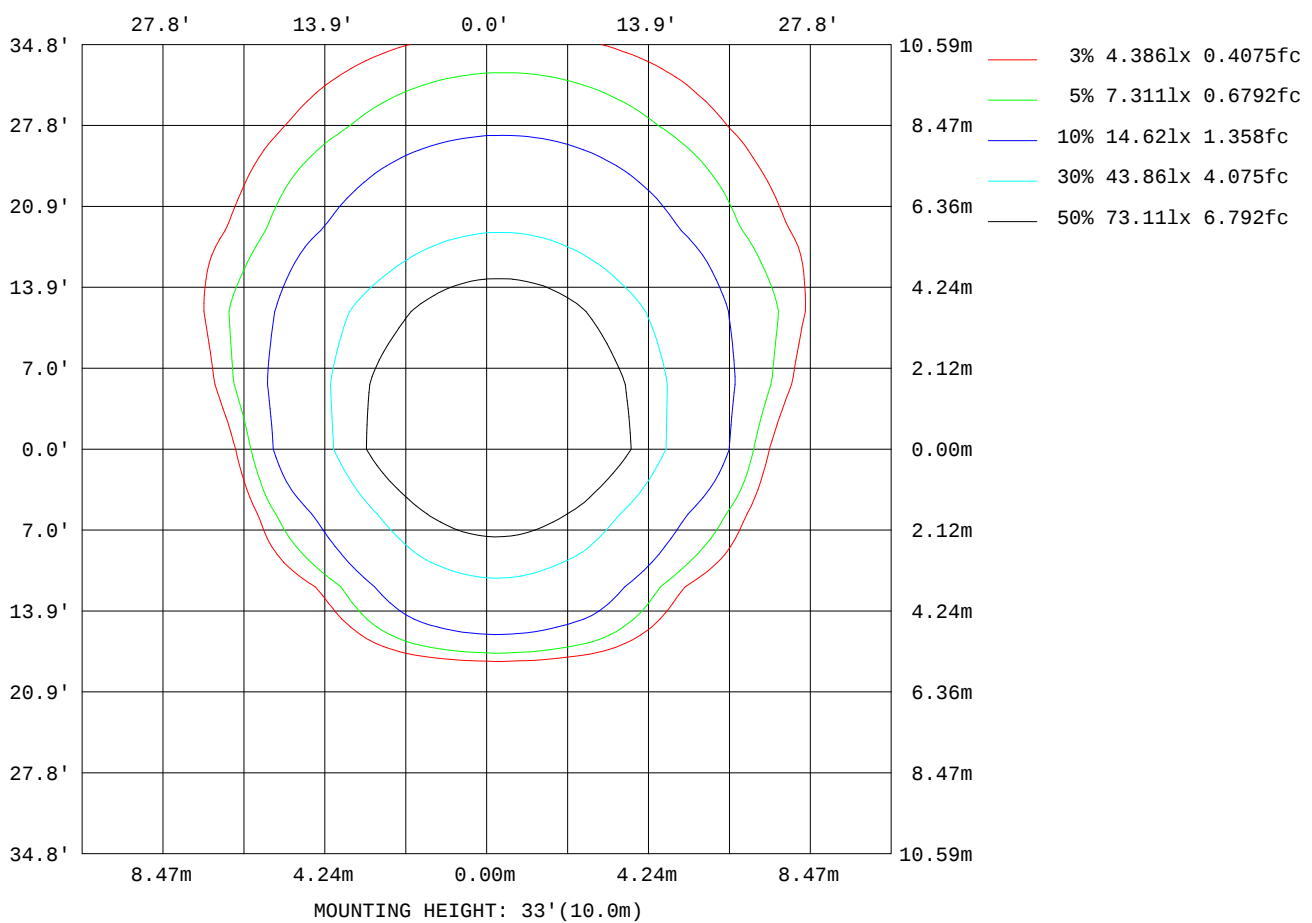
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-04-16

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|                                                              |                       |                   |
|--------------------------------------------------------------|-----------------------|-------------------|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635 Lamp Flux:235x1 lm |                       |                   |
| NAME: 490237 BODACIOUS                                       | TYPE:490237 BODACIOUS | WEIGHT:           |
| SPEC.:                                                       | DIM.:                 | SERIAL No.:       |
| MFR.:                                                        | SUR.:                 | PROTECTION ANGLE: |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-04-16

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                              |                       |                   |
|--------------------------------------------------------------|-----------------------|-------------------|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635 Lamp Flux:235x1 lm |                       |                   |
| NAME: 490237 BODACIOUS                                       | TYPE:490237 BODACIOUS | WEIGHT:           |
| SPEC.:                                                       | DIM.:                 | SERIAL No.:       |
| MFR.:                                                        | SUR.:                 | PROTECTION ANGLE: |

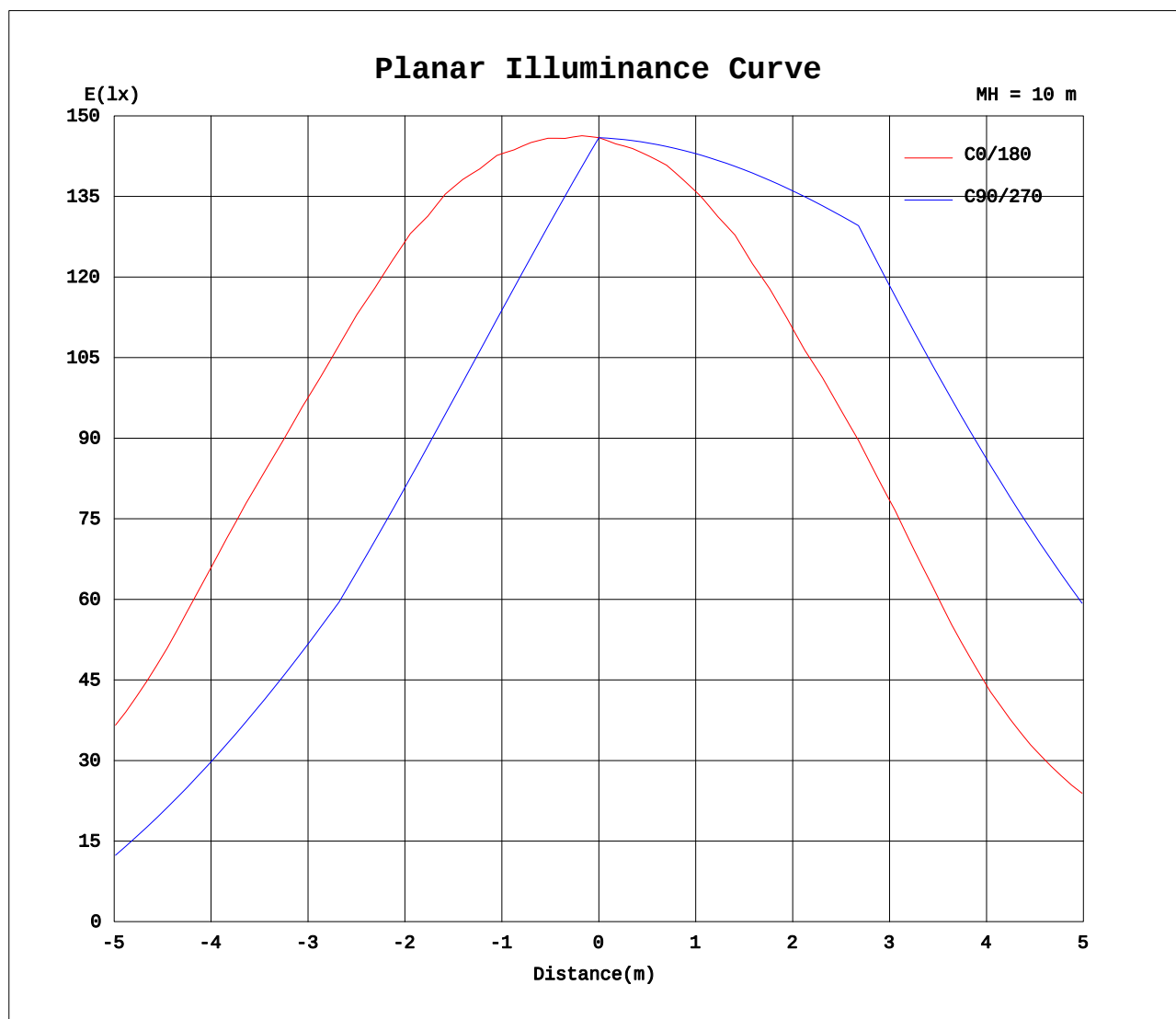
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 135   |
| L_0~180(75)av  | 99    |
| L_0~180(85)av  | 30    |
| L_90~270(65)av | 1299  |
| L_90~270(75)av | 458   |
| L_90~270(85)av | 0     |
| L_45(65)av     | 346   |
| L_45(75)av     | 233   |
| L_45(85)av     | 0     |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-04-16

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: Y  
Test Date: 2025-04-16

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 8.750m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                              |                       |                   |
|--------------------------------------------------------------|-----------------------|-------------------|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635 Lamp Flux:235x1 lm |                       |                   |
| NAME: 490237 BODACIOUS                                       | TYPE:490237 BODACIOUS | WEIGHT:           |
| SPEC.:                                                       | DIM.:                 | SERIAL No.:       |
| MFR.:                                                        | SUR.:                 | PROTECTION ANGLE: |

**Table - -1**

UNIT:  $\times 10 \text{cd}$ [illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: Y  
Test Date: 2025-04-16

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                              |                       |                   |
|--------------------------------------------------------------|-----------------------|-------------------|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635 Lamp Flux:235x1 lm |                       |                   |
| NAME: 490237 BODACIOUS                                       | TYPE:490237 BODACIOUS | WEIGHT:           |
| SPEC.:                                                       | DIM.:                 | SERIAL No.:       |
| MFR.:                                                        | SUR.:                 | PROTECTION ANGLE: |

Table - -2

UNIT:  $\times 10 \text{cd}$ [illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: Y  
Test Date: 2025-04-16

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                 |                       |                   |
|-----------------------------------------------------------------|-----------------------|-------------------|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635    Lamp Flux:235x1 lm |                       |                   |
| NAME: 490237 BODACIOUS                                          | TYPE:490237 BODACIOUS | WEIGHT:           |
| SPEC.:                                                          | DIM.:                 | SERIAL No.:       |
| MFR.:                                                           | SUR.:                 | PROTECTION ANGLE: |

Table - - 3

UNIT:  $\times 10 \text{cd}$ [illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: Y  
Test Date: 2025-04-16

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                 |                       |                   |
|-----------------------------------------------------------------|-----------------------|-------------------|
| Test:U:11.46V I:1.814A P:15.87W PF:0.7635    Lamp Flux:235x1 lm |                       |                   |
| NAME: 490237 BODACIOUS                                          | TYPE:490237 BODACIOUS | WEIGHT:           |
| SPEC.:                                                          | DIM.:                 | SERIAL No.:       |
| MFR.:                                                           | SUR.:                 | PROTECTION ANGLE: |

UNIT:  $\times 10 \text{cd}$ [illegible]

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

```