

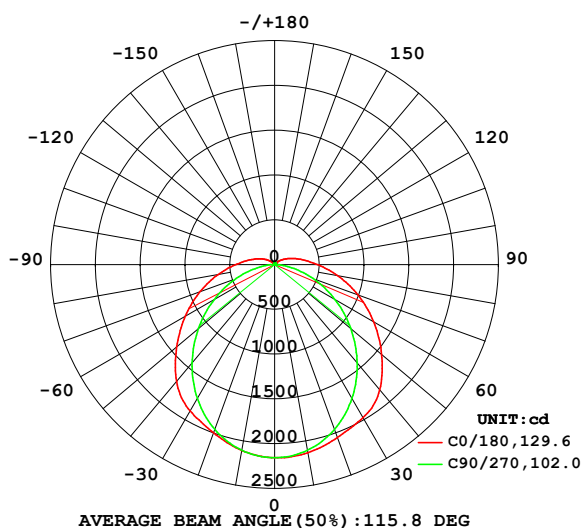


# LUMINAIRE PHOTOMETRIC TEST REPORT

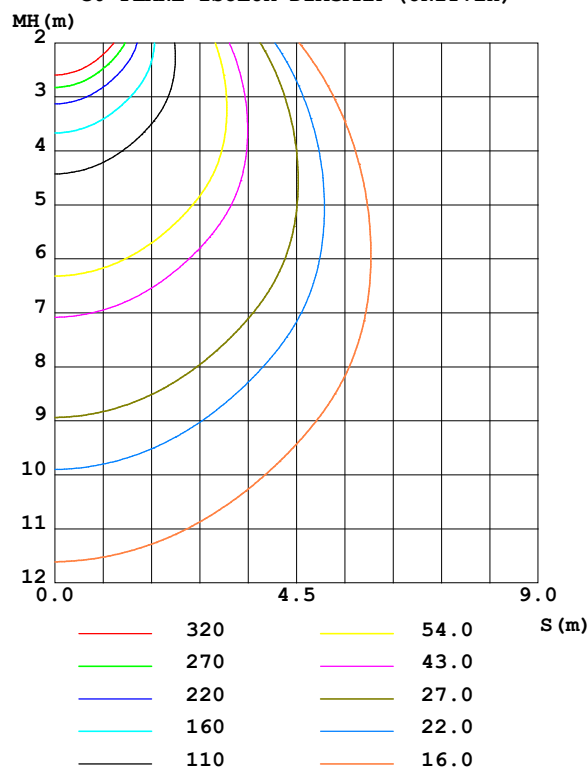
|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:230.00V I:0.2037A P:45.000W PF:0.9585 Freq:49.99Hz<br>Lamp Flux:7200x1 lm |       |                  |
| NAME: 0028920278 4000K 45W 7200lm                                                | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

| DATA OF LAMP     |      | PHOTOMETRIC DATA Eff: 160.00 lm/W |        |                        |          |
|------------------|------|-----------------------------------|--------|------------------------|----------|
| MODEL            |      | Imax (cd)                         | 2158   | S/MH(C0/180)           | 1.38     |
| NOMINAL POWER(W) |      | LOR(%)                            | 100.0  | S/MH(C90/270)          | 1.20     |
| RATED VOLTAGE(V) |      | TOTAL FLUX(lm)                    | 7200.0 | $\eta$ UP,DN(C0-180)   | 3.6,45.3 |
| NOMINAL FLUX(lm) | 7200 | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 3.8,47.4 |
| LAMPS INSIDE     | 1    | $\eta$ up (%)                     | 7.3    | CIBSE SHR NOM          | 1.25     |
| TEST VOLTAGE(V)  |      | $\eta$ down (%)                   | 92.7   | CIBSE SHR MAX          | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Testing Room  
Test Date:2025-11-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.471  
Humidity:65.0%  
Test Distance:11.050m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C90   | C180  | C270  |  |  |  |  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|--|--|--|--|----------|-------------|--------------|------------|
| 10       | 2107                  | 2106  | 2133  | 2106  |  |  |  |  | 0- 10    | 203.8       | 203.8        | 2.83,2.83  |
| 20       | 1998                  | 1957  | 2054  | 1958  |  |  |  |  | 10- 20   | 581.5       | 785.2        | 10.9,10.9  |
| 30       | 1888                  | 1726  | 1974  | 1727  |  |  |  |  | 20- 30   | 883.1       | 1668         | 23.2,23.2  |
| 40       | 1704                  | 1435  | 1827  | 1435  |  |  |  |  | 30- 40   | 1079        | 2748         | 38.2,38.2  |
| 50       | 1427                  | 1111  | 1561  | 1111  |  |  |  |  | 40- 50   | 1122        | 3870         | 53.8,53.8  |
| 60       | 1151                  | 779.4 | 1277  | 778.8 |  |  |  |  | 50- 60   | 1028        | 4899         | 68,68      |
| 70       | 886.3                 | 457.4 | 989.8 | 456.3 |  |  |  |  | 60- 70   | 837.9       | 5736         | 79.7,79.7  |
| 80       | 639.5                 | 172.8 | 714.2 | 170.6 |  |  |  |  | 70- 80   | 588.5       | 6325         | 87.8,87.8  |
| 90       | 435.2                 | 16.80 | 479.2 | 17.59 |  |  |  |  | 80- 90   | 347.1       | 6672         | 92.7,92.7  |
| 100      | 296.1                 | 11.90 | 319.8 | 12.38 |  |  |  |  | 90-100   | 214.3       | 6886         | 95.6,95.6  |
| 110      | 194.6                 | 8.716 | 207.2 | 8.687 |  |  |  |  | 100-110  | 138.4       | 7025         | 97.6,97.6  |
| 120      | 117.5                 | 10.52 | 123.3 | 10.15 |  |  |  |  | 110-120  | 83.78       | 7108         | 98.7,98.7  |
| 130      | 58.01                 | 12.54 | 60.09 | 12.18 |  |  |  |  | 120-130  | 45.05       | 7153         | 99.4,99.4  |
| 140      | 20.82                 | 14.53 | 20.93 | 14.27 |  |  |  |  | 130-140  | 19.63       | 7173         | 99.6,99.6  |
| 150      | 20.13                 | 16.27 | 20.08 | 16.08 |  |  |  |  | 140-150  | 11.21       | 7184         | 99.8,99.8  |
| 160      | 19.71                 | 17.66 | 19.68 | 17.63 |  |  |  |  | 150-160  | 8.521       | 7193         | 99.9,99.9  |
| 170      | 19.27                 | 18.70 | 19.17 | 18.49 |  |  |  |  | 160-170  | 5.330       | 7198         | 100,100    |
| 180      | 19.14                 | 19.23 | 19.12 | 19.15 |  |  |  |  | 170-180  | 1.812       | 7200         | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |  |  |  |  |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 3313.2 lm

%lum = 46.0%

%lamp = 46.0%

Conical surface Flux(120deg): 4898.5 lm

%lum = 68.0%

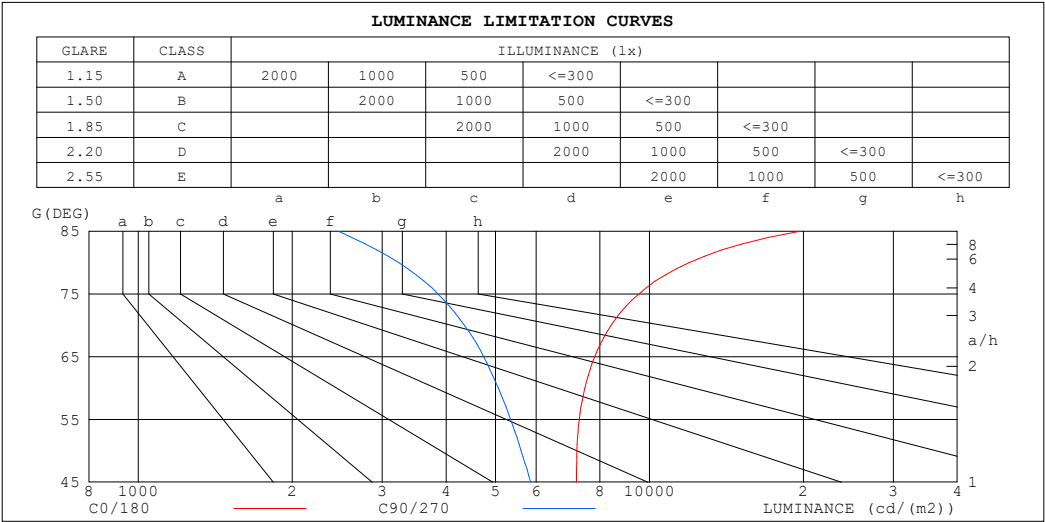
%lamp = 68.0%

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:Testing Room  
 Test Date:2025-11-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.471  
 Humidity:65.0%  
 Test Distance:11.050m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:230.00V I:0.2037A P:45.000W PF:0.9585 Freq:49.99Hz<br>Lamp Flux:7200x1 lm |       |                  |
| NAME: 0028920278 3000K 45W 7200lm                                                | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |



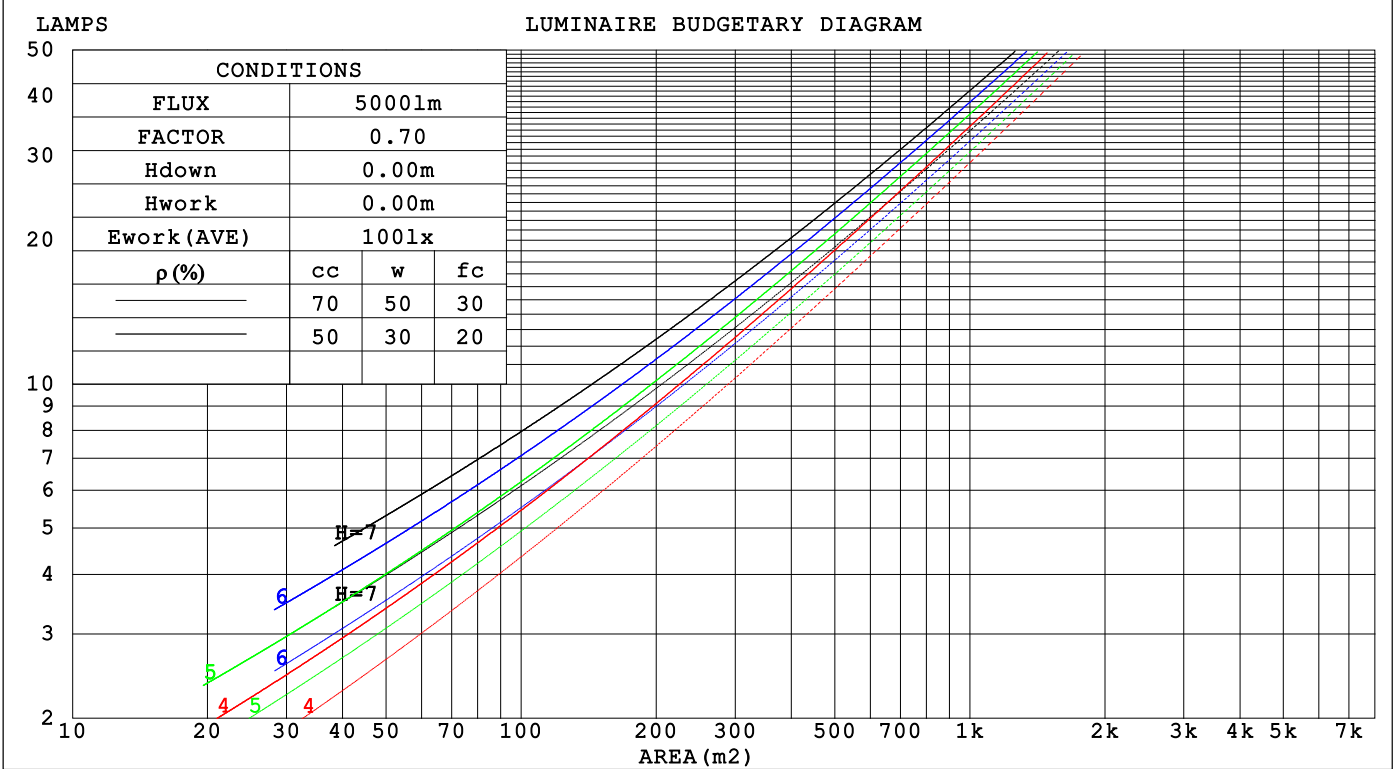
| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 19704  | 2464    |
| 80                | 11958  | 3231    |
| 75                | 9532   | 3857    |
| 70                | 8413   | 4342    |
| 65                | 7812   | 4735    |
| 60                | 7474   | 5061    |
| 55                | 7294   | 5348    |
| 50                | 7210   | 5611    |
| 45                | 7202   | 5855    |

|                        |                                                   |
|------------------------|---------------------------------------------------|
| C Range: 0 - 360DEG    | γ Range: 0 - 180DEG                               |
| C Interval: 90.0DEG    | γ Interval: 1.0DEG                                |
| Test Speed: HIGH       | Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471 |
| Temperature:25.3℃      | Humidity:65.0%                                    |
| Operators:Testing Room | Test Distance:11.050m [K=1.0000]                  |
| Test Date:2025-11-21   | Remarks:                                          |

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                           |       |                  |
|-----------------------------------------------------------|-------|------------------|
| Test:U:230.00V I:0.2037A P:45.000W PF:0.9585 Freq:49.99Hz |       |                  |
| Lamp Flux:7200x1 lm                                       |       |                  |
| NAME: 0028920278 3000K 45W 7200lm                         | TYPE: | WEIGHT:          |
| SPEC.:                                                    | DIM.: | SERIAL No.:      |
| MFR.:                                                     | SUR.: | Shielding Angle: |

|                 |                       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|-----------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| pcc             | 80%                   |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0 |
| p <sub>w</sub>  | 50%                   | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| p <sub>fc</sub> | 20%                   |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0 |
| RCR             | RCR:Room Cavity Ratio |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:Testing Room

Test Date:2025-11-21

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.471

Humidity:65.0%

Test Distance:11.050m [K=1.0000]

Remarks:

## WEC AND CCEC

|                                                                                  |  |  |       |  |                  |
|----------------------------------------------------------------------------------|--|--|-------|--|------------------|
| Test:U:230.00V I:0.2037A P:45.000W PF:0.9585 Freq:49.99Hz<br>Lamp Flux:7200x1 lm |  |  |       |  |                  |
| NAME: 0028920278 3000K 45W 7200lm                                                |  |  | TYPE: |  | WEIGHT:          |
| SPEC.:                                                                           |  |  | DIM.: |  | SERIAL No.:      |
| MFR.:                                                                            |  |  | 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  | .347                  | .197 | .063 | .338 | .193 | .061 | .320                            | .184 | .059 | .304 | .175 | .056 | .289 | .167 | .054 |   |  |
| 2.0  | .312                  | .171 | .052 | .303 | .167 | .051 | .288                            | .160 | .050 | .273 | .153 | .048 | .260 | .147 | .046 |   |  |
| 3.0  | .282                  | .150 | .045 | .275 | .147 | .044 | .261                            | .141 | .043 | .248 | .136 | .042 | .235 | .130 | .040 |   |  |
| 4.0  | .257                  | .134 | .039 | .250 | .131 | .039 | .238                            | .126 | .038 | .226 | .121 | .037 | .215 | .117 | .036 |   |  |
| 5.0  | .236                  | .120 | .035 | .230 | .118 | .034 | .218                            | .114 | .033 | .208 | .110 | .033 | .198 | .106 | .032 |   |  |
| 6.0  | .217                  | .109 | .031 | .212 | .107 | .031 | .202                            | .103 | .030 | .192 | .100 | .029 | .183 | .096 | .029 |   |  |
| 7.0  | .201                  | .100 | .028 | .197 | .098 | .028 | .187                            | .095 | .027 | .179 | .092 | .027 | .170 | .089 | .026 |   |  |
| 8.0  | .188                  | .092 | .026 | .183 | .090 | .025 | .175                            | .087 | .025 | .167 | .084 | .024 | .159 | .082 | .024 |   |  |
| 9.0  | .175                  | .085 | .024 | .171 | .083 | .023 | .164                            | .081 | .023 | .156 | .078 | .022 | .149 | .076 | .022 |   |  |
| 10.0 | .164                  | .079 | .022 | .161 | .078 | .022 | .154                            | .075 | .021 | .147 | .073 | .021 | .141 | .071 | .020 |   |  |

| 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  | .246                  | .246 | .246 | .211 | .211 | .211 | .144                                        | .144 | .144 | .083 | .083 | .083 | .026 | .026 | .026 |   |  |
| 1.0  | .239                  | .212 | .188 | .205 | .182 | .162 | .140                                        | .125 | .112 | .081 | .072 | .065 | .026 | .023 | .021 |   |  |
| 2.0  | .232                  | .189 | .152 | .198 | .162 | .132 | .136                                        | .112 | .092 | .078 | .065 | .054 | .025 | .021 | .018 |   |  |
| 3.0  | .224                  | .171 | .130 | .192 | .148 | .112 | .132                                        | .103 | .079 | .076 | .060 | .046 | .024 | .019 | .015 |   |  |
| 4.0  | .216                  | .158 | .114 | .185 | .137 | .099 | .128                                        | .095 | .070 | .074 | .056 | .041 | .024 | .018 | .014 |   |  |
| 5.0  | .208                  | .148 | .104 | .179 | .128 | .090 | .123                                        | .090 | .064 | .071 | .053 | .038 | .023 | .017 | .012 |   |  |
| 6.0  | .201                  | .140 | .096 | .173 | .121 | .084 | .119                                        | .085 | .059 | .069 | .050 | .035 | .022 | .016 | .012 |   |  |
| 7.0  | .194                  | .133 | .091 | .167 | .116 | .079 | .115                                        | .081 | .056 | .067 | .048 | .033 | .022 | .016 | .011 |   |  |
| 8.0  | .188                  | .128 | .086 | .161 | .111 | .075 | .112                                        | .078 | .053 | .065 | .046 | .032 | .021 | .015 | .011 |   |  |
| 9.0  | .181                  | .123 | .083 | .156 | .106 | .072 | .108                                        | .075 | .051 | .063 | .044 | .031 | .020 | .015 | .010 |   |  |
| 10.0 | .176                  | .118 | .080 | .151 | .103 | .070 | .105                                        | .072 | .050 | .061 | .043 | .030 | .020 | .014 | .010 |   |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Testing Room  
Test Date:2025-11-21

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.471  
Humidity:65.0%  
Test Distance:11.050m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

|                                                                                  |                  |      |      |      |       |                |      |                  |      |      |
|----------------------------------------------------------------------------------|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| Test:U:230.00V I:0.2037A P:45.000W PF:0.9585 Freq:49.99Hz<br>Lamp Flux:7200x1 lm |                  |      |      |      |       |                |      |                  |      |      |
| NAME: 0028920278 3000K 45W 7200lm                                                |                  |      |      |      | TYPE: |                |      | WEIGHT:          |      |      |
| SPEC.:                                                                           |                  |      |      |      | DIM.: |                |      | SERIAL No.:      |      |      |
| MFR.:                                                                            |                  |      |      |      | 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                                                                    | 19.3             | 20.8 | 19.7 | 21.1 | 21.5  | 18.0           | 19.4 | 18.3             | 19.8 | 20.1 |
| 3H                                                                               | 21.4             | 22.8 | 21.8 | 23.2 | 23.5  | 19.3           | 20.7 | 19.7             | 21.0 | 21.4 |
| 4H                                                                               | 22.6             | 23.8 | 23.0 | 24.2 | 24.6  | 19.8           | 21.1 | 20.3             | 21.5 | 21.9 |
| 6H                                                                               | 23.8             | 25.0 | 24.2 | 25.4 | 25.8  | 20.2           | 21.4 | 20.6             | 21.8 | 22.2 |
| 8H                                                                               | 24.4             | 25.6 | 24.9 | 26.0 | 26.4  | 20.3           | 21.4 | 20.7             | 21.8 | 22.3 |
| 12H                                                                              | 25.1             | 26.3 | 25.6 | 26.7 | 27.2  | 20.3           | 21.4 | 20.8             | 21.9 | 22.3 |
| 4H 2H                                                                            | 19.8             | 21.1 | 20.2 | 21.5 | 21.9  | 18.8           | 20.1 | 19.2             | 20.5 | 20.9 |
| 3H                                                                               | 22.1             | 23.3 | 22.6 | 23.7 | 24.2  | 20.4           | 21.5 | 20.8             | 21.9 | 22.4 |
| 4H                                                                               | 23.4             | 24.4 | 23.9 | 24.9 | 25.4  | 21.1           | 22.1 | 21.5             | 22.5 | 23.0 |
| 6H                                                                               | 24.8             | 25.7 | 25.3 | 26.2 | 26.7  | 21.6           | 22.5 | 22.1             | 23.0 | 23.5 |
| 8H                                                                               | 25.6             | 26.4 | 26.1 | 26.9 | 27.5  | 21.7           | 22.6 | 22.2             | 23.1 | 23.6 |
| 12H                                                                              | 26.5             | 27.3 | 27.0 | 27.8 | 28.3  | 21.8           | 22.6 | 22.4             | 23.1 | 23.7 |
| 8H 4H                                                                            | 23.7             | 24.5 | 24.2 | 25.0 | 25.6  | 21.7           | 22.5 | 22.2             | 23.0 | 23.6 |
| 6H                                                                               | 25.3             | 26.0 | 25.8 | 26.5 | 27.1  | 22.4           | 23.1 | 23.0             | 23.7 | 24.3 |
| 8H                                                                               | 26.2             | 26.9 | 26.8 | 27.4 | 28.0  | 22.7           | 23.4 | 23.3             | 23.9 | 24.5 |
| 12H                                                                              | 27.3             | 27.9 | 27.9 | 28.5 | 29.1  | 23.0           | 23.5 | 23.6             | 24.1 | 24.7 |
| 12H 4H                                                                           | 23.7             | 24.5 | 24.2 | 25.0 | 25.5  | 21.8           | 22.6 | 22.3             | 23.1 | 23.7 |
| 6H                                                                               | 25.3             | 26.0 | 25.9 | 26.5 | 27.2  | 22.7           | 23.4 | 23.3             | 23.9 | 24.5 |
| 8H                                                                               | 26.4             | 26.9 | 27.0 | 27.5 | 28.1  | 23.1           | 23.7 | 23.7             | 24.3 | 24.9 |
| Variations with the observer position at spacings(CIE Pub.117):                  |                  |      |      |      |       |                |      |                  |      |      |
| S = 1.0H                                                                         | + 0.1 / - 0.1    |      |      |      |       | + 0.1 / - 0.2  |      |                  |      |      |
| 1.5H                                                                             | + 0.2 / - 0.2    |      |      |      |       | + 0.2 / - 0.3  |      |                  |      |      |
| 2.0H                                                                             | + 0.2 / - 0.3    |      |      |      |       | + 0.2 / - 0.4  |      |                  |      |      |

CIE Pub.117, 7200 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 6.9$ )  
Area: 0.308 m<sup>2</sup>

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:Testing Room

Test Date:2025-11-21

$\gamma$  Range: 0 - 180DEG

$\gamma$  Interval: 1.0DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.471

Humidity:65.0%

Test Distance:11.050m [K=1.0000]

Remarks:

## UTILIZATION FACTORS TABLE

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:230.00V I:0.2037A P:45.000W PF:0.9585 Freq:49.99Hz<br>Lamp Flux:7200x1 lm |       |                  |
| NAME: 0028920278 3000K 45W 7200lm                                                | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

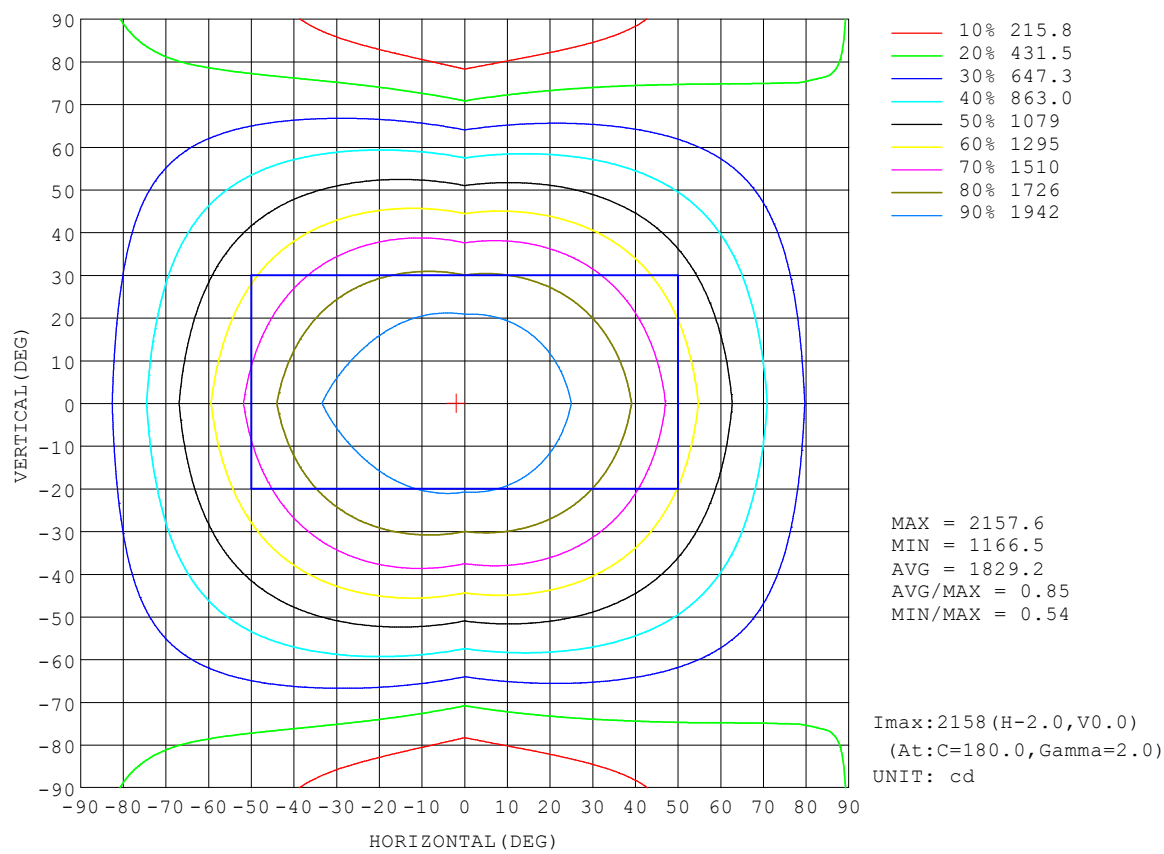
| REFLECTANCE                      |                                                      |     |                 |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |                 |     |     |     |     |               |     |        |
| $k = 0.60$                       | 59                                                   | 45  | 37              | 57  | 44  | 37  | 53  | 43            | 36  | 28     |
| 0.80                             | 68                                                   | 55  | 47              | 66  | 54  | 46  | 62  | 52            | 44  | 35     |
| 1.00                             | 76                                                   | 64  | 55              | 74  | 62  | 54  | 69  | 59            | 52  | 43     |
| 1.25                             | 83                                                   | 71  | 63              | 80  | 70  | 62  | 75  | 66            | 60  | 49     |
| 1.50                             | 87                                                   | 77  | 69              | 84  | 75  | 67  | 79  | 71            | 65  | 54     |
| 2.00                             | 94                                                   | 85  | 77              | 91  | 82  | 76  | 85  | 78            | 73  | 61     |
| 2.50                             | 97                                                   | 89  | 83              | 94  | 87  | 81  | 88  | 82            | 77  | 65     |
| 3.00                             | 101                                                  | 93  | 87              | 97  | 91  | 85  | 91  | 86            | 81  | 69     |
| 4.00                             | 104                                                  | 98  | 93              | 101 | 96  | 91  | 94  | 90            | 86  | 73     |
| 5.00                             | 107                                                  | 102 | 97              | 103 | 99  | 95  | 97  | 93            | 90  | 76     |
| ROOM INDEX                       | UF (total)                                           |     |                 |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Ceiling Mounted |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: Testing Room  
 Test Date: 2025-11-21

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.471  
 Humidity: 65.0%  
 Test Distance: 11.050m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:230.00V I:0.2037A P:45.000W PF:0.9585 Freq:49.99Hz<br>Lamp Flux:7200x1 lm |       |                  |
| NAME: 0028920278 3000K 45W 7200lm                                                | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

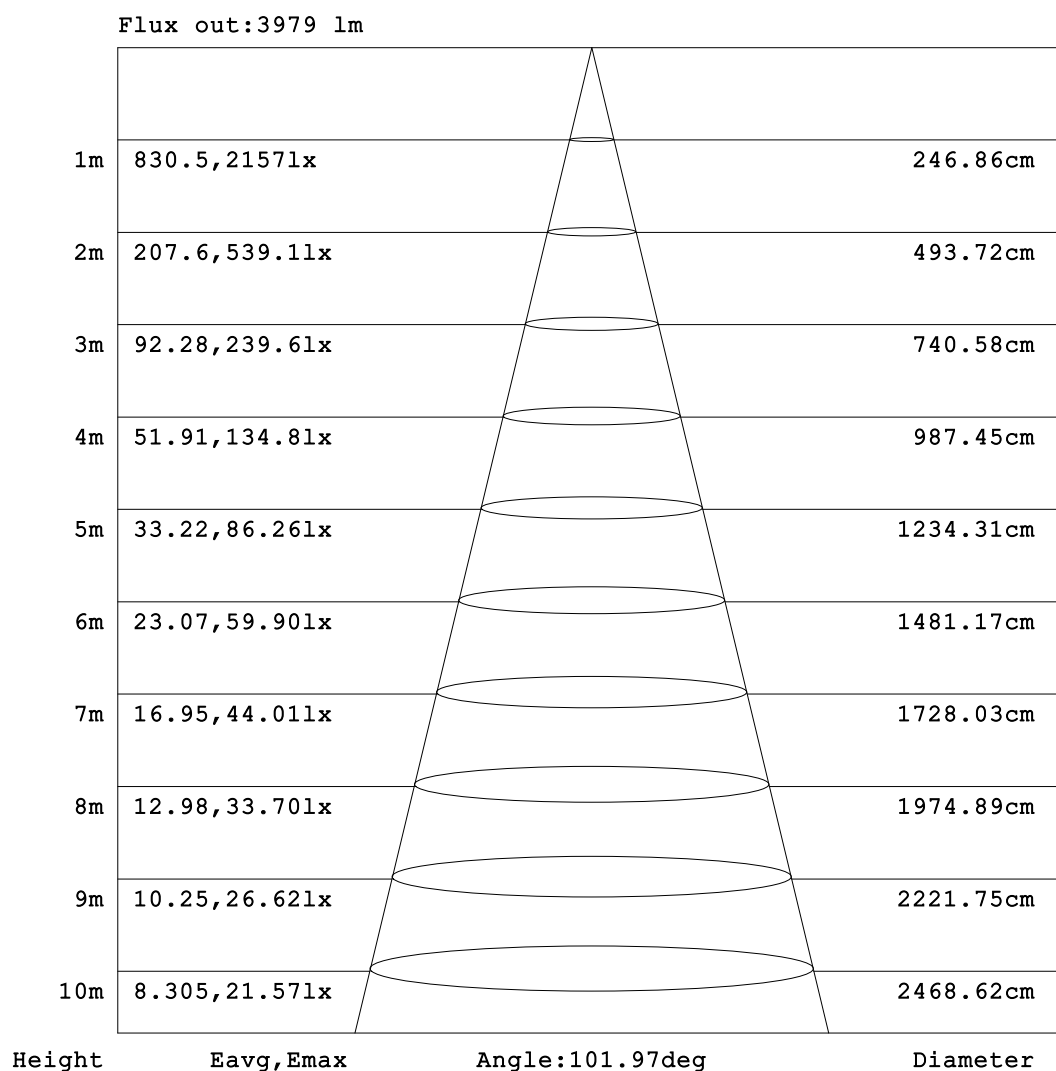


|                                                                                                                                       |                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C Range: 0 - 360DEG<br>C Interval: 90.0DEG<br>Test Speed: HIGH<br>Temperature:25.3℃<br>Operators:Testing Room<br>Test Date:2025-11-21 | γ Range: 0 - 180DEG<br>γ Interval: 1.0DEG<br>Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471<br>Humidity:65.0%<br>Test Distance:11.050m [K=1.0000]<br>Remarks: |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|



## AAI Figure

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:230.00V I:0.2037A P:45.000W PF:0.9585 Freq:49.99Hz<br>Lamp Flux:7200x1 lm |       |                  |
| NAME: 0028920278 3000K 45W 7200lm                                                | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |



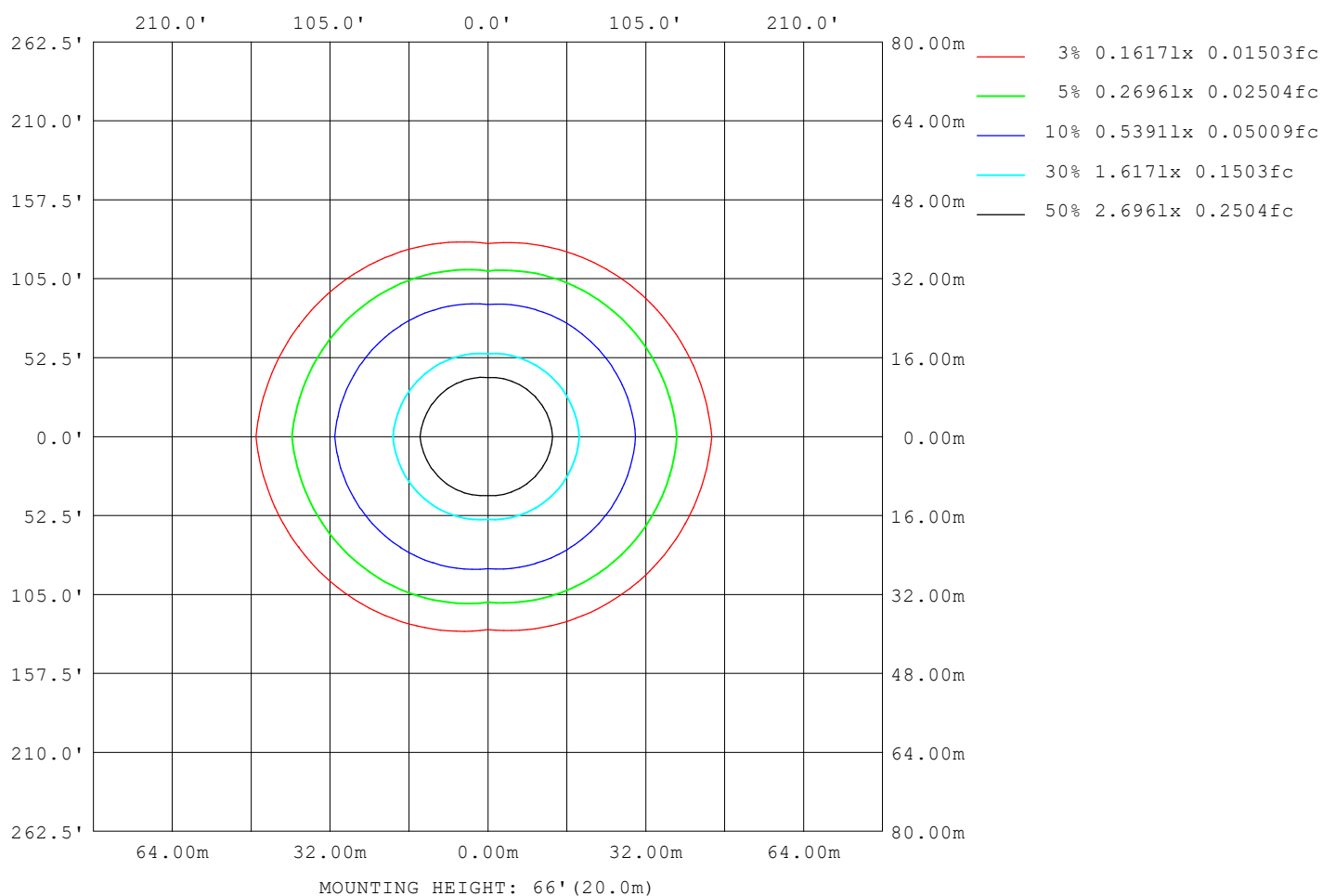
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Testing Room  
Test Date:2025-11-21

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.471  
Humidity:65.0%  
Test Distance:11.050m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:230.00V I:0.2037A P:45.000W PF:0.9585 Freq:49.99Hz<br>Lamp Flux:7200x1 lm |       |                  |
| NAME: 0028920278 3000K 45W 7200lm                                                | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:Testing Room  
Test Date:2025-11-21

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.471  
Humidity:65.0%  
Test Distance:11.050m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:230.00V I:0.2037A P:45.000W PF:0.9585 Freq:49.99Hz<br>Lamp Flux:7200x1 lm |       |                  |
| NAME: 0028920278 3000K 45W 7200lm                                                | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

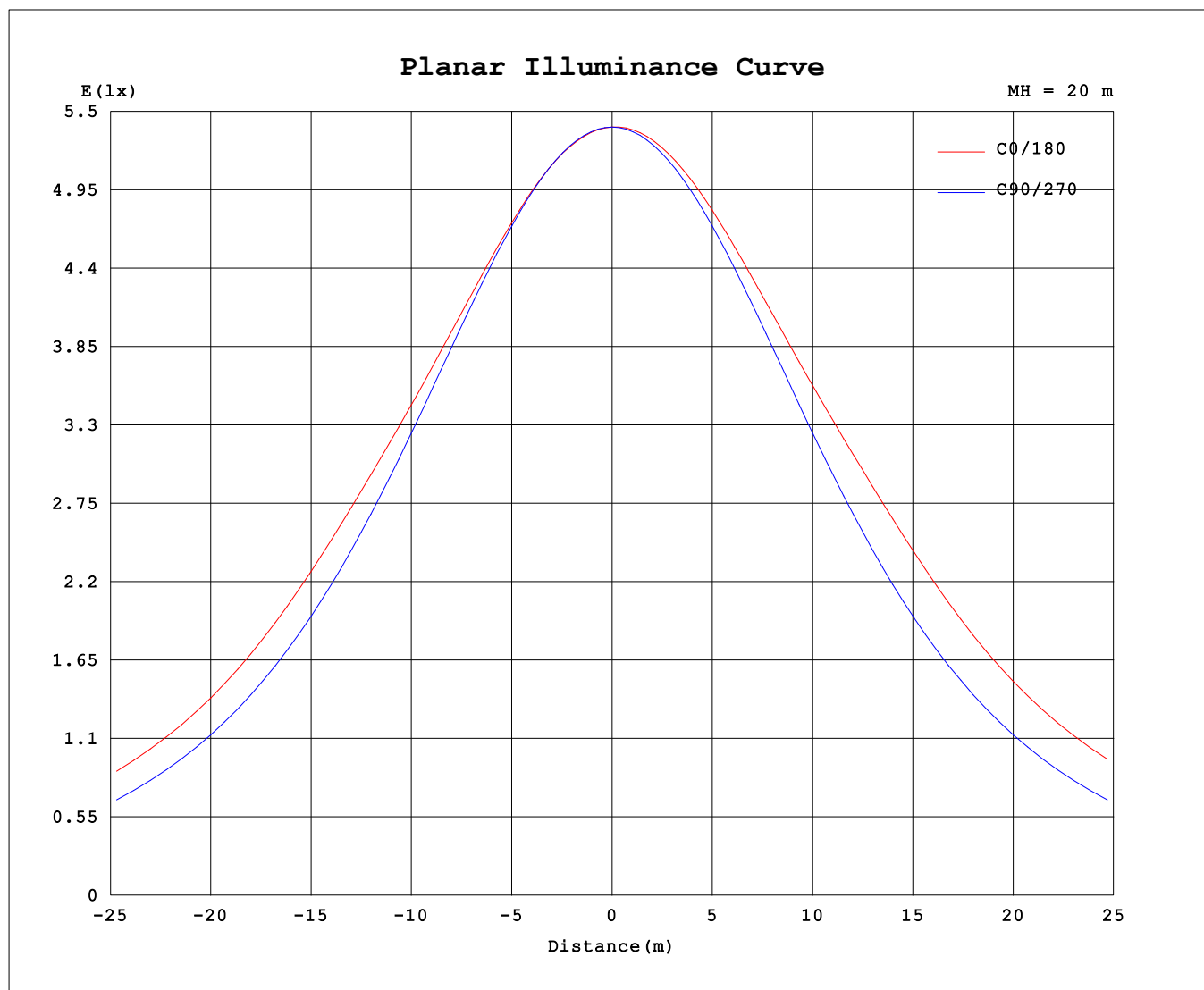
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 8264  |
| L_0~180 (75) av  | 10095 |
| L_0~180 (85) av  | 20803 |
| L_90~270 (65) av | 4730  |
| L_90~270 (75) av | 3849  |
| L_90~270 (85) av | 2437  |
| L_45 (65) av     | 6084  |
| L_45 (75) av     | 6226  |
| L_45 (85) av     | 9393  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Testing Room  
Test Date:2025-11-21

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.471  
Humidity:65.0%  
Test Distance:11.050m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: Testing Room  
Test Date: 2025-11-21

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.471  
Humidity: 65.0%  
Test Distance: 11.050m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:230.00V I:0.2037A P:45.000W PF:0.9585 Freq:49.99Hz<br>Lamp Flux:7200x1 lm |       |                  |
| NAME: 0028920278 3000K 45W 7200lm                                                | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 2157 | 2157 | 2157 | 2157 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 2141 | 2144 | 2154 | 2144 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 2107 | 2106 | 2133 | 2106 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 2057 | 2043 | 2098 | 2043 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 1998 | 1957 | 2054 | 1958 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 1942 | 1851 | 2012 | 1851 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 1888 | 1726 | 1974 | 1727 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 1814 | 1586 | 1922 | 1587 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 1704 | 1435 | 1827 | 1435 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 1569 | 1275 | 1700 | 1276 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 1427 | 1111 | 1561 | 1111 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 1288 | 945  | 1420 | 945  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 1151 | 779  | 1277 | 779  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 1017 | 616  | 1134 | 615  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 886  | 457  | 990  | 456  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 760  | 307  | 850  | 306  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 640  | 173  | 714  | 171  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 529  | 66.1 | 588  | 64.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 435  | 16.8 | 479  | 17.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 360  | 14.0 | 392  | 14.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 296  | 11.9 | 320  | 12.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 240  | 10.5 | 257  | 9.98 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 195  | 8.72 | 207  | 8.69 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 154  | 9.55 | 162  | 9.31 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 117  | 10.5 | 123  | 10.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 85.8 | 11.5 | 89.6 | 11.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 58.0 | 12.5 | 60.1 | 12.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 35.2 | 13.5 | 36.1 | 13.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 20.8 | 14.5 | 20.9 | 14.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 20.4 | 15.4 | 20.4 | 15.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 20.1 | 16.3 | 20.1 | 16.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 19.9 | 17.0 | 19.9 | 16.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 19.7 | 17.7 | 19.7 | 17.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 19.6 | 18.2 | 19.4 | 18.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 19.3 | 18.7 | 19.2 | 18.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 19.2 | 19.1 | 19.0 | 18.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 19.1 | 19.2 | 19.1 | 19.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:Testing Room

Test Date:2025-11-21

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.471

Humidity:65.0%

Test Distance:11.050m [K=1.0000]

Remarks: