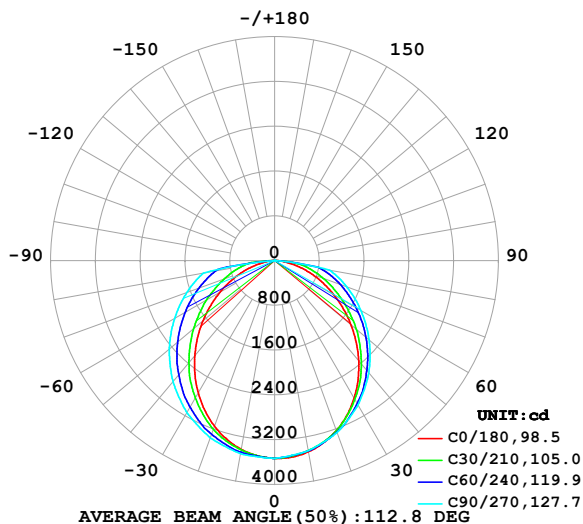


## LUMINAIRE PHOTOMETRIC TEST REPORT

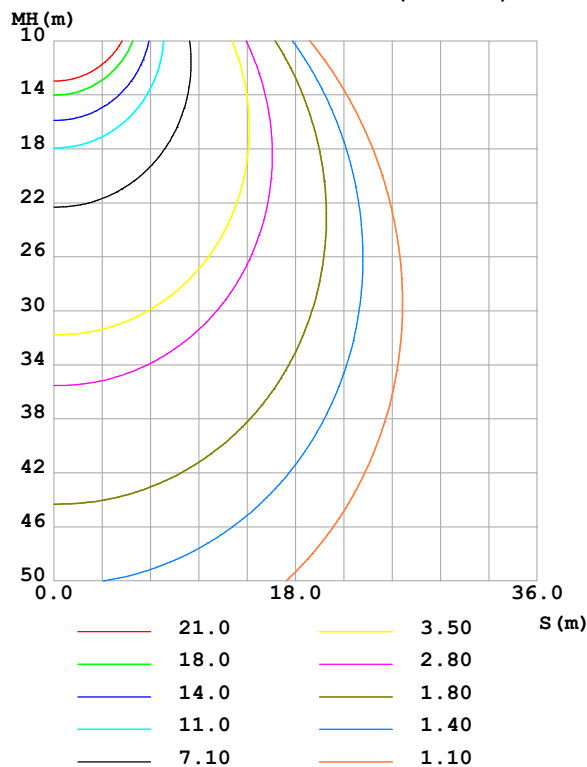
|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:120.55V I:0.5478A P:65.901W PF:0.9979 Freq:49.99Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:10344.1x1 lm    |  |  |
| NAME: ETLN-G2-4FT                                         |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 156.96 lm/W |        |                        |          |
|------------------|---------|-----------------------------------|--------|------------------------|----------|
| MODEL            |         | Imax (cd)                         | 3535   | S/MH(C0/180)           | 1.16     |
| NOMINAL POWER(W) | 68      | LOR(%)                            | 100.0  | S/MH(C90/270)          | 1.32     |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)                    | 10344  | $\eta$ UP,DN(C0-180)   | 0.0,48.2 |
| NOMINAL FLUX(lm) | 10344.1 | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,51.8 |
| LAMPS INSIDE     | 1       | $\eta$ up (%)                     | 0.0    | CIBSE SHR NOM          | 1.25     |
| TEST VOLTAGE(V)  | 120     | $\eta$ down (%)                   | 100.0  | CIBSE SHR MAX          | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:QUYEN  
Test Date:2025-11-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0820]  
Remarks:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270 | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|------|-------|----------|-------------|--------------|------------|
| 10       | 3469                  | 3449  | 3452  | 3415  | 3424  | 3453  | 3504 | 3485  | 0- 10    | 333.0       | 333.0        | 3.22,3.22  |
| 20       | 3231                  | 3241  | 3269  | 3177  | 3148  | 3248  | 3369 | 3305  | 10- 20   | 949.3       | 1282         | 12.4,12.4  |
| 30       | 2841                  | 2916  | 2980  | 2828  | 2731  | 2932  | 3136 | 3002  | 20- 30   | 1426        | 2708         | 26.2,26.2  |
| 40       | 2340                  | 2496  | 2620  | 2393  | 2220  | 2530  | 2825 | 2607  | 30- 40   | 1699        | 4407         | 42.6,42.6  |
| 50       | 1780                  | 2022  | 2204  | 1926  | 1671  | 2084  | 2458 | 2148  | 40- 50   | 1752        | 6159         | 59.5,59.5  |
| 60       | 1224                  | 1548  | 1778  | 1446  | 1126  | 1626  | 2061 | 1687  | 50- 60   | 1607        | 7767         | 75.1,75.1  |
| 70       | 708.5                 | 1100  | 1369  | 1025  | 623.4 | 1212  | 1667 | 1243  | 60- 70   | 1324        | 9091         | 87.9,87.9  |
| 80       | 263.5                 | 677.6 | 999.5 | 624.6 | 208.3 | 842.2 | 1294 | 862.0 | 70- 80   | 971.9       | 10062        | 97.3,97.3  |
| 90       | 15.07                 | 0     | 0     | 0     | 17.50 | 0     | 0    | 0     | 80- 90   | 281.6       | 10344        | 100,100    |
| 100      |                       |       |       |       |       |       |      |       | 90-100   |             |              |            |
| 110      |                       |       |       |       |       |       |      |       | 100-110  |             |              |            |
| 120      |                       |       |       |       |       |       |      |       | 110-120  |             |              |            |
| 130      |                       |       |       |       |       |       |      |       | 120-130  |             |              |            |
| 140      |                       |       |       |       |       |       |      |       | 130-140  |             |              |            |
| 150      |                       |       |       |       |       |       |      |       | 140-150  |             |              |            |
| 160      |                       |       |       |       |       |       |      |       | 150-160  |             |              |            |
| 170      |                       |       |       |       |       |       |      |       | 160-170  |             |              |            |
| 180      |                       |       |       |       |       |       |      |       | 170-180  |             |              |            |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |      |       |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 5290.2 lm

%lum = 51.1%

%lamp = 51.1%

Conical surface Flux(130deg): 8469.8 lm

%lum = 81.9%

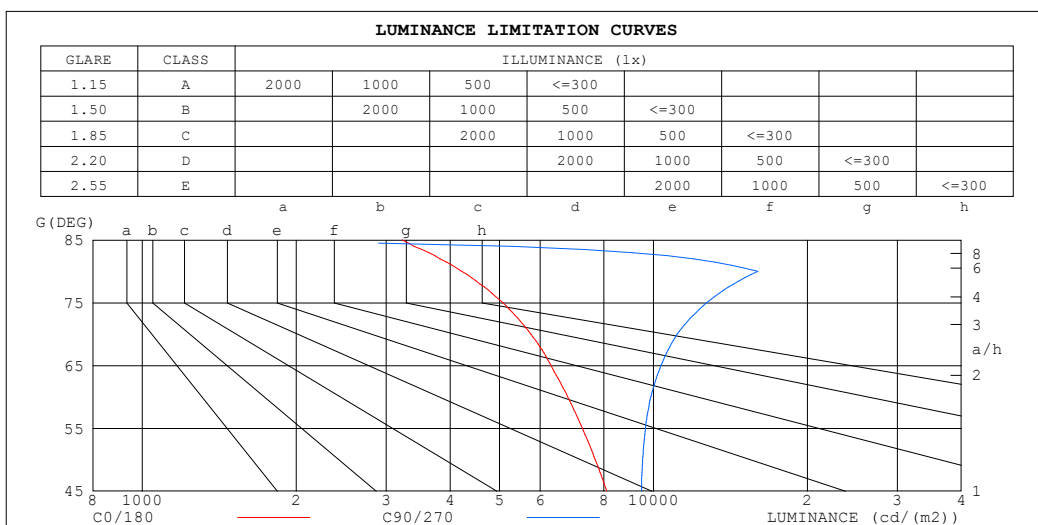
%lamp = 81.9%

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QUYEN  
Test Date:2025-11-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0820]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:120.55V I:0.5478A P:65.901W PF:0.9979 Freq:49.99Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:10344.1x1 lm    |  |  |
| NAME: ETLSN-G2-4FT                                        |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 3222   | 0       |
| 80                | 4215   | 15988   |
| 75                | 5075   | 12710   |
| 70                | 5755   | 11119   |
| 65                | 6305   | 10342   |
| 60                | 6798   | 9878    |
| 55                | 7260   | 9643    |
| 50                | 7693   | 9525    |
| 45                | 8104   | 9475    |

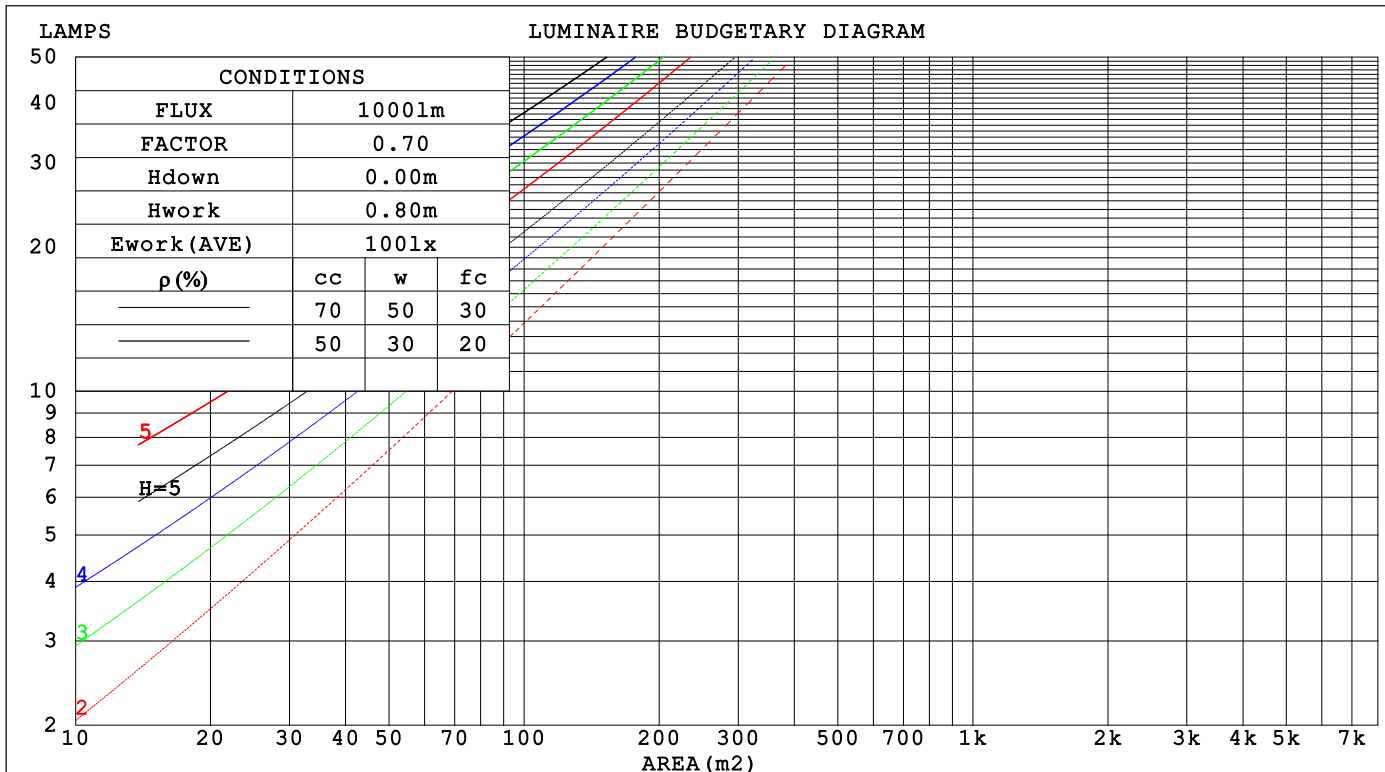
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QUYEN  
Test Date:2025-11-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0820]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:120.55V I:0.5478A P:65.901W PF:0.9979 Freq:49.99Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:10344.1x1 lm    |  |  |
| NAME: ETLN-G2-4FT                                         |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |

| 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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Coefficients of Utilization(CU) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.0             | 1.19                  | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .00                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.0             | 1.03                  | .98  | .94  | 1.00 | .96  | .92  | .96  | .93  | .90  | .92  | .89  | .87  | .89  | .86  | .84  | .82                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0             | .89                   | .82  | .76  | .87  | .80  | .75  | .83  | .78  | .73  | .80  | .75  | .71  | .77  | .73  | .70  | .67                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0             | .78                   | .69  | .62  | .76  | .68  | .62  | .73  | .66  | .61  | .70  | .64  | .60  | .68  | .63  | .59  | .56                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0             | .69                   | .60  | .53  | .67  | .59  | .52  | .65  | .57  | .51  | .62  | .56  | .51  | .60  | .55  | .50  | .48                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0             | .61                   | .52  | .45  | .60  | .51  | .45  | .58  | .50  | .44  | .56  | .49  | .44  | .54  | .48  | .43  | .41                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0             | .55                   | .46  | .39  | .54  | .45  | .39  | .52  | .45  | .39  | .51  | .44  | .38  | .49  | .43  | .38  | .36                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0             | .50                   | .41  | .35  | .49  | .41  | .35  | .48  | .40  | .34  | .46  | .39  | .34  | .45  | .39  | .34  | .32                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0             | .46                   | .37  | .31  | .45  | .37  | .31  | .44  | .36  | .31  | .42  | .35  | .30  | .41  | .35  | .30  | .28                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0             | .42                   | .34  | .28  | .41  | .33  | .28  | .40  | .33  | .28  | .39  | .32  | .27  | .38  | .32  | .27  | .25                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0            | .39                   | .31  | .25  | .38  | .30  | .25  | .37  | .30  | .25  | .36  | .30  | .25  | .35  | .29  | .25  | .23                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QUYEN  
Test Date:2025-11-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0820]  
Remarks:

### WEC AND CCEC

|                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| Test:U:120.55V I:0.5478A P:65.901W PF:0.9979 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:10344.1x1 lm |  |  |  |  |  |  |  |  |  |  |  |
| NAME: ETLSN-G2-4FT                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |
| MFR.: EVERTIE                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |

| 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  | .331                  | .188 | .060 | .324 | .185 | .059 | .311                            | .178 | .057 | .298 | .172 | .055 | .287 | .166 | .054 |   |  |
| 2.0  | .306                  | .168 | .052 | .300 | .165 | .051 | .288                            | .160 | .050 | .277 | .156 | .049 | .267 | .151 | .048 |   |  |
| 3.0  | .280                  | .149 | .045 | .275 | .147 | .044 | .264                            | .143 | .044 | .255 | .140 | .043 | .246 | .136 | .042 |   |  |
| 4.0  | .257                  | .133 | .039 | .252 | .132 | .039 | .243                            | .129 | .038 | .234 | .126 | .038 | .226 | .123 | .037 |   |  |
| 5.0  | .236                  | .120 | .035 | .232 | .119 | .035 | .223                            | .116 | .034 | .216 | .114 | .034 | .209 | .111 | .033 |   |  |
| 6.0  | .218                  | .109 | .031 | .214 | .108 | .031 | .207                            | .106 | .031 | .200 | .104 | .031 | .193 | .102 | .030 |   |  |
| 7.0  | .202                  | .100 | .028 | .199 | .099 | .028 | .192                            | .097 | .028 | .186 | .095 | .028 | .180 | .094 | .028 |   |  |
| 8.0  | .188                  | .092 | .026 | .185 | .091 | .026 | .179                            | .090 | .026 | .174 | .088 | .025 | .169 | .087 | .025 |   |  |
| 9.0  | .176                  | .085 | .024 | .173 | .085 | .024 | .168                            | .083 | .024 | .163 | .082 | .023 | .159 | .081 | .023 |   |  |
| 10.0 | .165                  | .079 | .022 | .163 | .079 | .022 | .158                            | .077 | .022 | .154 | .076 | .022 | .149 | .075 | .022 |   |  |

| 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  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                        | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |  |
| 1.0  | .182                  | .156 | .133 | .156 | .134 | .114 | .106                                        | .092 | .079 | .061 | .053 | .046 | .020 | .017 | .015 |   |  |
| 2.0  | .174                  | .132 | .096 | .149 | .113 | .083 | .102                                        | .079 | .058 | .059 | .046 | .034 | .019 | .015 | .011 |   |  |
| 3.0  | .167                  | .114 | .073 | .143 | .099 | .063 | .098                                        | .069 | .044 | .057 | .040 | .026 | .018 | .013 | .009 |   |  |
| 4.0  | .159                  | .101 | .057 | .136 | .087 | .050 | .094                                        | .061 | .035 | .054 | .036 | .021 | .017 | .012 | .007 |   |  |
| 5.0  | .151                  | .091 | .046 | .130 | .079 | .040 | .089                                        | .055 | .028 | .052 | .032 | .017 | .017 | .011 | .006 |   |  |
| 6.0  | .144                  | .082 | .039 | .124 | .071 | .034 | .085                                        | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 |   |  |
| 7.0  | .137                  | .076 | .033 | .118 | .066 | .029 | .081                                        | .046 | .020 | .047 | .027 | .012 | .015 | .009 | .004 |   |  |
| 8.0  | .130                  | .070 | .028 | .112 | .061 | .025 | .077                                        | .042 | .018 | .045 | .025 | .010 | .015 | .008 | .003 |   |  |
| 9.0  | .124                  | .065 | .025 | .107 | .056 | .022 | .074                                        | .040 | .015 | .043 | .023 | .009 | .014 | .008 | .003 |   |  |
| 10.0 | .118                  | .060 | .022 | .102 | .053 | .019 | .071                                        | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |  |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QUYEN  
Test Date:2025-11-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0820]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                                                     |                  |      |      |      |      |                |      |      |      |      |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|------|----------------|------|------|------|------|
| Test:U:120.55V I:0.5478A P:65.901W PF:0.9979 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:10344.1x1 lm |                  |      |      |      |      |                |      |      |      |      |
| NAME: ETLSN-G2-4FT                                                                                                  |                  |      |      |      |      |                |      |      |      |      |
| MFR.: EVERTIE                                                                                                       |                  |      |      |      |      |                |      |      |      |      |
|                                                                                                                     |                  |      |      |      |      |                |      |      |      |      |
| 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                                                                                                       | 9.4              | 11.0 | 9.7  | 11.2 | 11.4 | 11.0           | 12.6 | 11.3 | 12.8 | 13.0 |
| 3H                                                                                                                  | 10.7             | 12.1 | 11.0 | 12.4 | 12.6 | 13.2           | 14.6 | 13.5 | 14.9 | 15.1 |
| 4H                                                                                                                  | 11.2             | 12.5 | 11.5 | 12.8 | 13.1 | 14.3           | 15.7 | 14.7 | 16.0 | 16.2 |
| 6H                                                                                                                  | 11.5             | 12.8 | 11.8 | 13.1 | 13.3 | 15.6           | 16.9 | 15.9 | 17.1 | 17.4 |
| 8H                                                                                                                  | 11.6             | 12.8 | 11.9 | 13.1 | 13.4 | 15.9           | 17.1 | 16.2 | 17.4 | 17.7 |
| 12H                                                                                                                 | 11.6             | 12.8 | 11.9 | 13.1 | 13.4 | 15.9           | 17.1 | 16.2 | 17.4 | 17.7 |
| 4H 2H                                                                                                               | 10.4             | 11.7 | 10.7 | 12.0 | 12.2 | 11.6           | 12.9 | 11.9 | 13.2 | 13.5 |
| 3H                                                                                                                  | 11.9             | 13.1 | 12.2 | 13.4 | 13.7 | 14.0           | 15.2 | 14.3 | 15.5 | 15.8 |
| 4H                                                                                                                  | 12.5             | 13.6 | 12.9 | 13.9 | 14.3 | 15.3           | 16.4 | 15.7 | 16.8 | 17.1 |
| 6H                                                                                                                  | 13.0             | 14.0 | 13.4 | 14.3 | 14.7 | 16.8           | 17.8 | 17.2 | 18.1 | 18.5 |
| 8H                                                                                                                  | 13.1             | 14.0 | 13.5 | 14.4 | 14.8 | 17.1           | 18.1 | 17.6 | 18.4 | 18.8 |
| 12H                                                                                                                 | 13.2             | 14.0 | 13.6 | 14.4 | 14.8 | 17.2           | 18.0 | 17.6 | 18.4 | 18.8 |
| 8H 4H                                                                                                               | 13.3             | 14.2 | 13.7 | 14.6 | 15.0 | 15.6           | 16.6 | 16.0 | 16.9 | 17.3 |
| 6H                                                                                                                  | 14.0             | 14.8 | 14.4 | 15.2 | 15.6 | 17.3           | 18.1 | 17.8 | 18.5 | 18.9 |
| 8H                                                                                                                  | 14.3             | 15.0 | 14.7 | 15.4 | 15.8 | 17.8           | 18.5 | 18.3 | 18.9 | 19.4 |
| 12H                                                                                                                 | 14.4             | 15.0 | 14.9 | 15.5 | 16.0 | 17.9           | 18.5 | 18.3 | 18.9 | 19.4 |
| 12H 4H                                                                                                              | 13.5             | 14.3 | 13.9 | 14.7 | 15.1 | 15.6           | 16.5 | 16.1 | 16.9 | 17.3 |
| 6H                                                                                                                  | 14.4             | 15.0 | 14.8 | 15.5 | 15.9 | 17.4           | 18.1 | 17.9 | 18.5 | 19.0 |
| 8H                                                                                                                  | 14.7             | 15.3 | 15.2 | 15.8 | 16.3 | 17.9           | 18.5 | 18.4 | 19.0 | 19.5 |
| Variations with the observer position at spacings(CIE Pub.117):                                                     |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H                                                                                                            | + 0.1 / - 0.2    |      |      |      |      | + 0.1 / - 0.1  |      |      |      |      |
| 1.5H                                                                                                                | + 0.2 / - 0.3    |      |      |      |      | + 0.1 / - 0.2  |      |      |      |      |
| 2.0H                                                                                                                | + 0.1 / - 0.3    |      |      |      |      | + 0.2 / - 0.3  |      |      |      |      |

CIE Pub.117, 10344 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 8.1)  
Area: 0.36 m2

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QUYEN  
Test Date:2025-11-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0820]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:120.55V I:0.5478A P:65.901W PF:0.9979 Freq:49.99Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:10344.1x1 lm    |  |  |
| NAME: ETLSN-G2-4FT                                        |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |

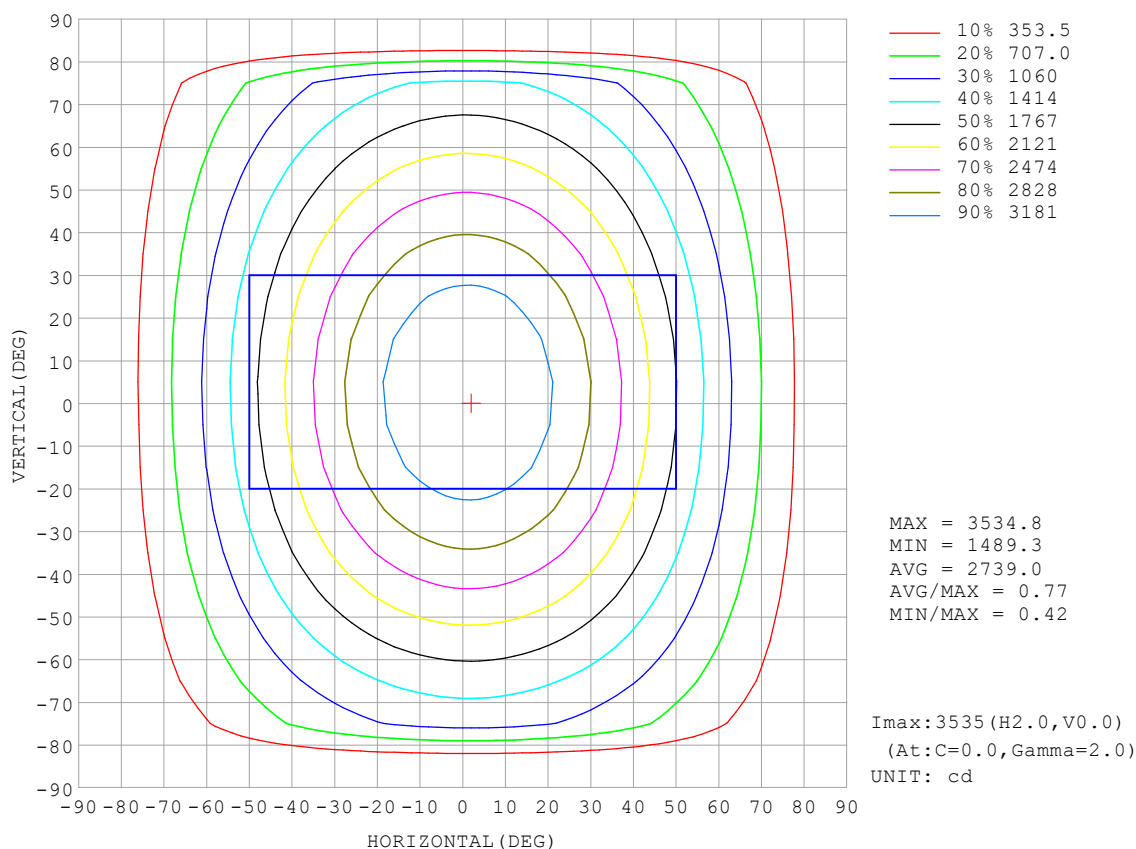
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 57                                                   | 45  | 38        | 56  | 45  | 38  | 55  | 44            | 38  | 31     |
| 0.80                             | 66                                                   | 55  | 47        | 65  | 54  | 47  | 64  | 53            | 46  | 39     |
| 1.00                             | 75                                                   | 63  | 56        | 73  | 63  | 55  | 71  | 64            | 55  | 47     |
| 1.25                             | 82                                                   | 71  | 63        | 80  | 70  | 63  | 77  | 68            | 62  | 54     |
| 1.50                             | 87                                                   | 76  | 69        | 85  | 75  | 68  | 82  | 74            | 67  | 60     |
| 2.00                             | 94                                                   | 85  | 78        | 92  | 83  | 77  | 88  | 81            | 75  | 67     |
| 2.50                             | 98                                                   | 89  | 83        | 96  | 88  | 82  | 92  | 85            | 80  | 72     |
| 3.00                             | 101                                                  | 94  | 88        | 99  | 92  | 87  | 95  | 89            | 85  | 76     |
| 4.00                             | 105                                                  | 99  | 94        | 103 | 97  | 93  | 99  | 94            | 90  | 81     |
| 5.00                             | 108                                                  | 103 | 98        | 105 | 101 | 97  | 101 | 97            | 94  | 84     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

$H(\beta)$  Range:-90 - 90DEG  
 $H(\beta)$  Interval: 2.0DEG  
 Test Speed: HIGH  
 Temperature:25.3 °C  
 Operators:QUYEN  
 Test Date:2025-11-05

$V(B)$  Range:-80 - 80DEG  
 $V(B)$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
 Humidity:65.0%  
 Test Distance:6.100m [K=1.0820]  
 Remarks:

### ISOCANDELA DIAGRAM

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:120.55V I:0.5478A P:65.901W PF:0.9979 Freq:49.99Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:10344.1x1 lm    |  |  |
| NAME: ETLN-G2-4FT                                         |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |



H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: QUYEN  
Test Date: 2025-11-05

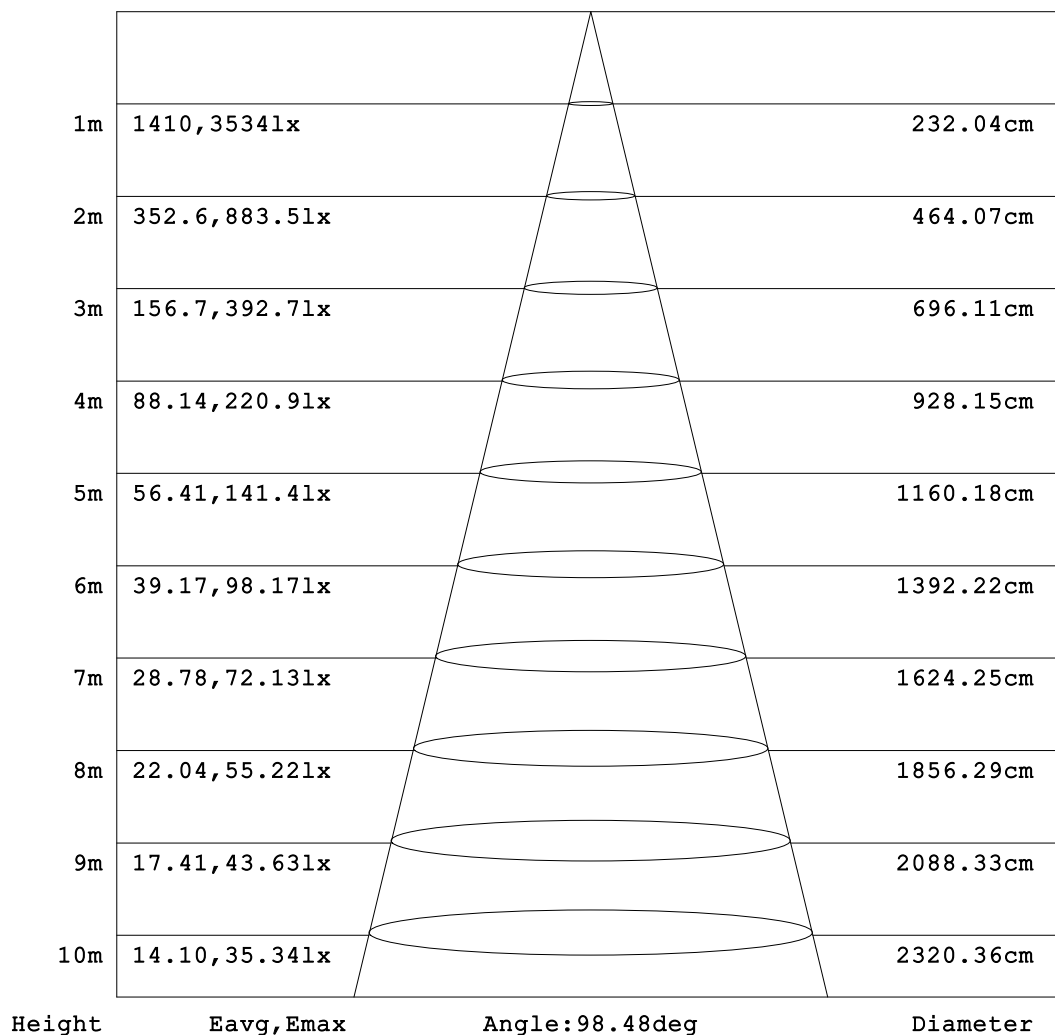
V(B) Range: -80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0820]  
Remarks:



**AAI Figure**

|                                                                                                                     |  |  |
|---------------------------------------------------------------------------------------------------------------------|--|--|
| Test:U:120.55V I:0.5478A P:65.901W PF:0.9979 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:10344.1x1 lm |  |  |
| NAME: ETLSN-G2-4FT                                                                                                  |  |  |
| MFR.: EVERTIE                                                                                                       |  |  |
|                                                                                                                     |  |  |

Flux out:6074 lm



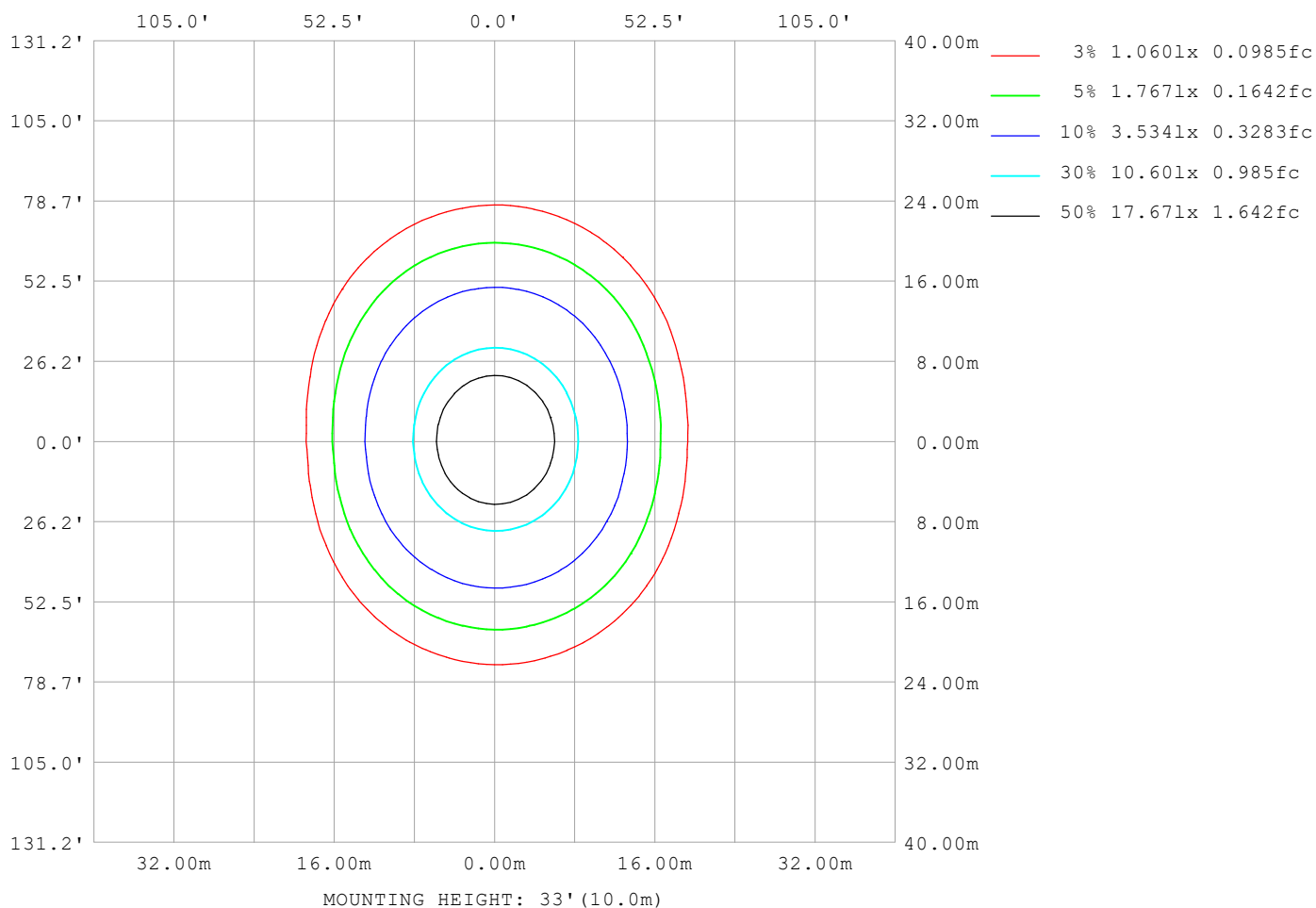
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range: -90 - 90DEG  
 H( $\beta$ ) Interval: 2.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: QUYEN  
 Test Date: 2025-11-05

V(B) Range: -80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
 Humidity: 65.0%  
 Test Distance: 6.100m [K=1.0820]  
 Remarks:

ISOLUX DIAGRAM

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:120.55V I:0.5478A P:65.901W PF:0.9979 Freq:49.99Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:10344.1x1 lm    |  |  |
| NAME: ETLN-G2-4FT                                         |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QUYEN  
Test Date:2025-11-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0820]  
Remarks:

### LED Avg.L Report

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:120.55V I:0.5478A P:65.901W PF:0.9979 Freq:49.99Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:10344.1x1 lm    |  |  |
| NAME: ETLSN-G2-4FT                                        |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |

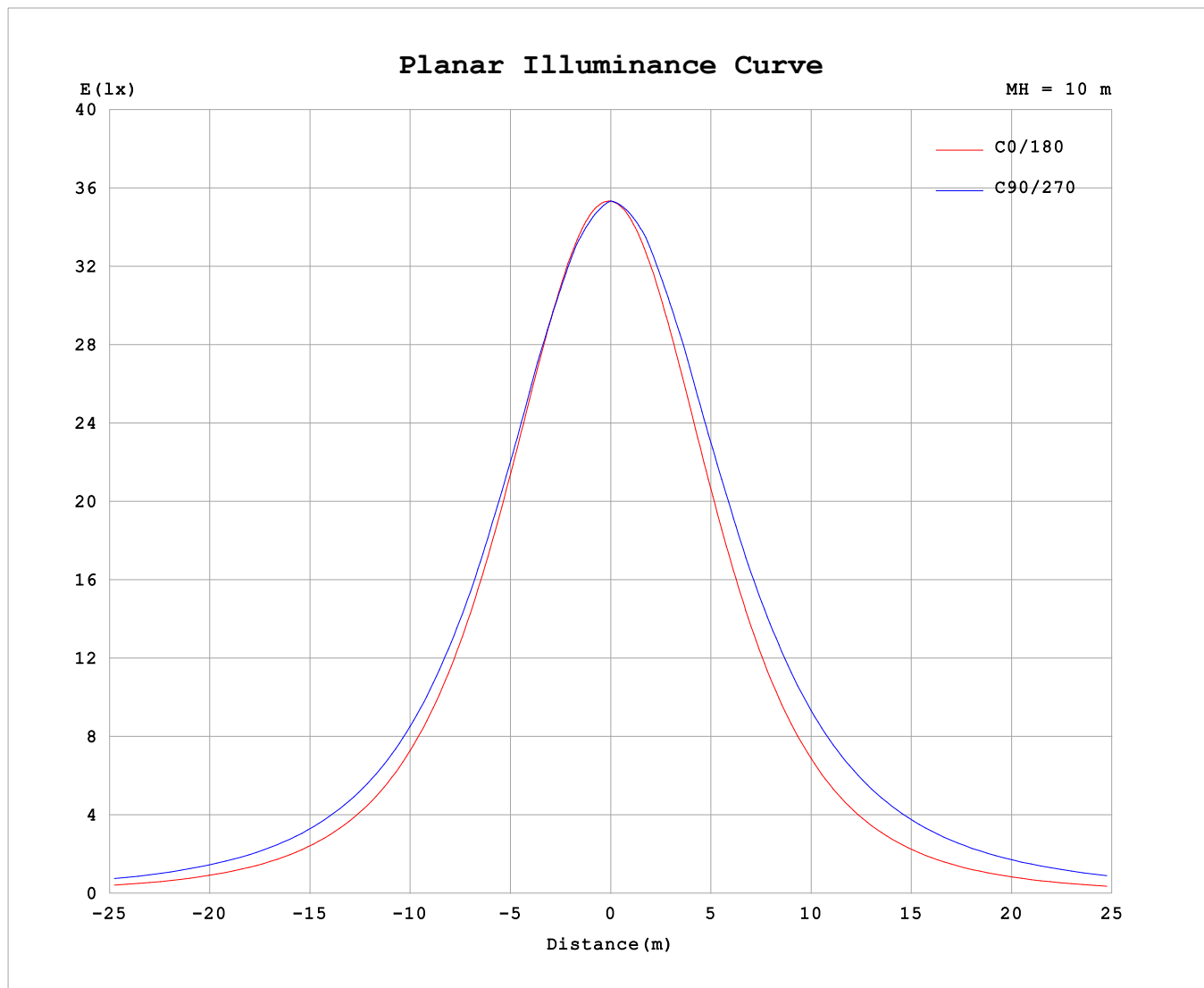
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 6006  |
| L_0~180 (75) av  | 4676  |
| L_0~180 (85) av  | 2594  |
| L_90~270 (65) av | 11298 |
| L_90~270 (75) av | 14299 |
| L_90~270 (85) av | 0     |
| L_45 (65) av     | 8899  |
| L_45 (75) av     | 10196 |
| L_45 (85) av     | 8317  |

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QUYEN  
Test Date:2025-11-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0820]  
Remarks:

### Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:QUYEN  
Test Date:2025-11-05

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0820]  
Remarks:

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0820]  
Remarks:

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0820]  
Remarks:

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0820]
Remarks:
```

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0820]  
Remarks: