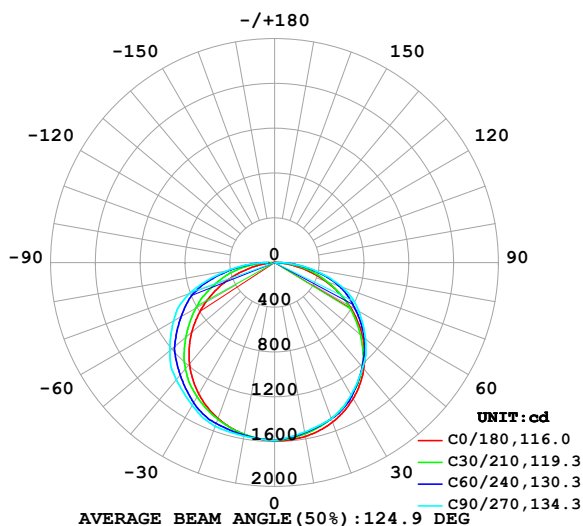


## LUMINAIRE PHOTOMETRIC TEST REPORT

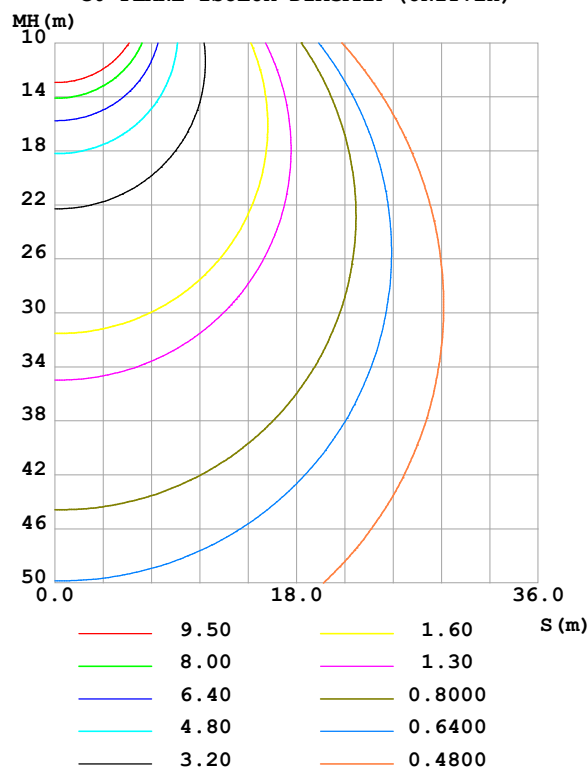
|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm    |  |  |
| NAME: ETLTRK01D-24                                        |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 154.63 lm/W |        |                        |          |
|------------------|---------|-----------------------------------|--------|------------------------|----------|
| MODEL            |         | Imax (cd)                         | 1591   | S/MH(C0/180)           | 1.27     |
| NOMINAL POWER(W) | 34      | LOR(%)                            | 100.0  | S/MH(C90/270)          | 1.38     |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)                    | 5209.3 | $\eta$ UP,DN(C0-180)   | 0.0,47.4 |
| NOMINAL FLUX(lm) | 5209.25 | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,52.6 |
| LAMPS INSIDE     | 1       | $\eta$ up (%)                     | 0.0    | CIBSE SHR NOM          | 1.50     |
| TEST VOLTAGE(V)  | 120     | $\eta$ down (%)                   | 100.0  | CIBSE SHR MAX          | 1.50     |

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:2025-08-09

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0246]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10       | 1578                  | 1548  | 1537  | 1535  | 1558  | 1561  | 1574  | 1573  | 0- 10    | 149.9       | 149.9        | 2.88,2.88  |
| 20       | 1516                  | 1482  | 1485  | 1457  | 1482  | 1507  | 1557  | 1532  | 10- 20   | 432.9       | 582.7        | 11.2,11.2  |
| 30       | 1405                  | 1381  | 1366  | 1346  | 1356  | 1424  | 1473  | 1457  | 20- 30   | 670.9       | 1254         | 24.1,24.1  |
| 40       | 1239                  | 1213  | 1225  | 1173  | 1184  | 1272  | 1366  | 1311  | 30- 40   | 829.4       | 2083         | 40,40      |
| 50       | 1026                  | 1017  | 1059  | 979.0 | 966.1 | 1097  | 1222  | 1137  | 40- 50   | 894.6       | 2978         | 57.2,57.2  |
| 60       | 770.5                 | 796.3 | 867.7 | 763.3 | 713.3 | 892.7 | 1042  | 927.0 | 50- 60   | 854.5       | 3832         | 73.6,73.6  |
| 70       | 483.2                 | 560.9 | 644.5 | 537.1 | 432.3 | 671.6 | 812.9 | 697.3 | 60- 70   | 720.0       | 4552         | 87.4,87.4  |
| 80       | 191.7                 | 290.0 | 326.3 | 277.0 | 147.6 | 374.4 | 436.7 | 386.9 | 70- 80   | 482.2       | 5034         | 96.6,96.6  |
| 90       | 6.578                 | 7.129 | 8.016 | 6.701 | 7.040 | 42.63 | 60.62 | 39.47 | 80- 90   | 174.9       | 5209         | 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): 2528.4 lm

%lum = 48.5%

%lamp = 48.5%

Conical surface Flux(130deg): 4214.5 lm

%lum = 80.9%

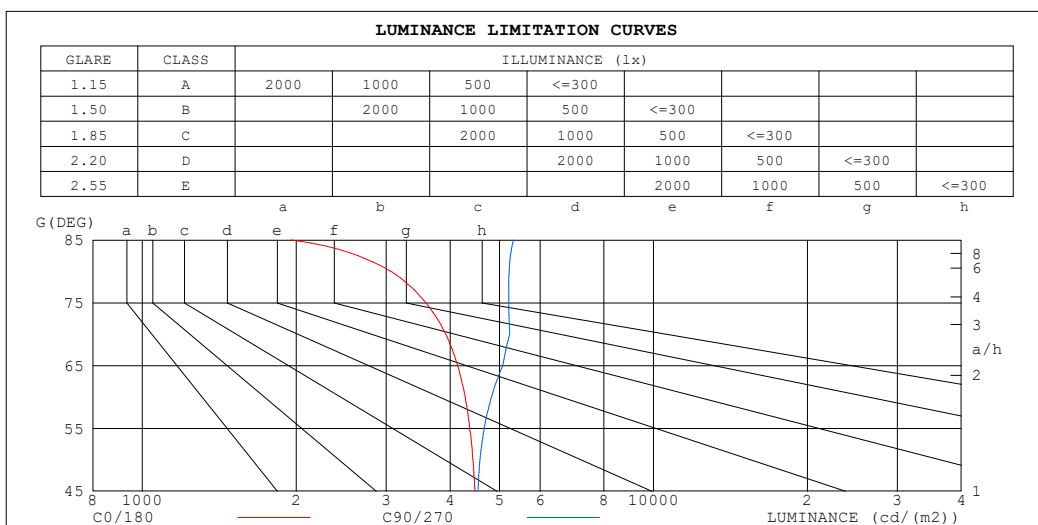
%lamp = 80.9%

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 2.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:QUYEN  
 Test Date:2025-08-09

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
 Humidity:65.0%  
 Test Distance:6.100m [K=1.0246]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm    |  |  |
| NAME: ETLTRK01D-24                                        |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 1956   | 5327    |
| 80                | 3066   | 5219    |
| 75                | 3589   | 5209    |
| 70                | 3925   | 5234    |
| 65                | 4138   | 5074    |
| 60                | 4281   | 4821    |
| 55                | 4371   | 4666    |
| 50                | 4435   | 4578    |
| 45                | 4472   | 4537    |

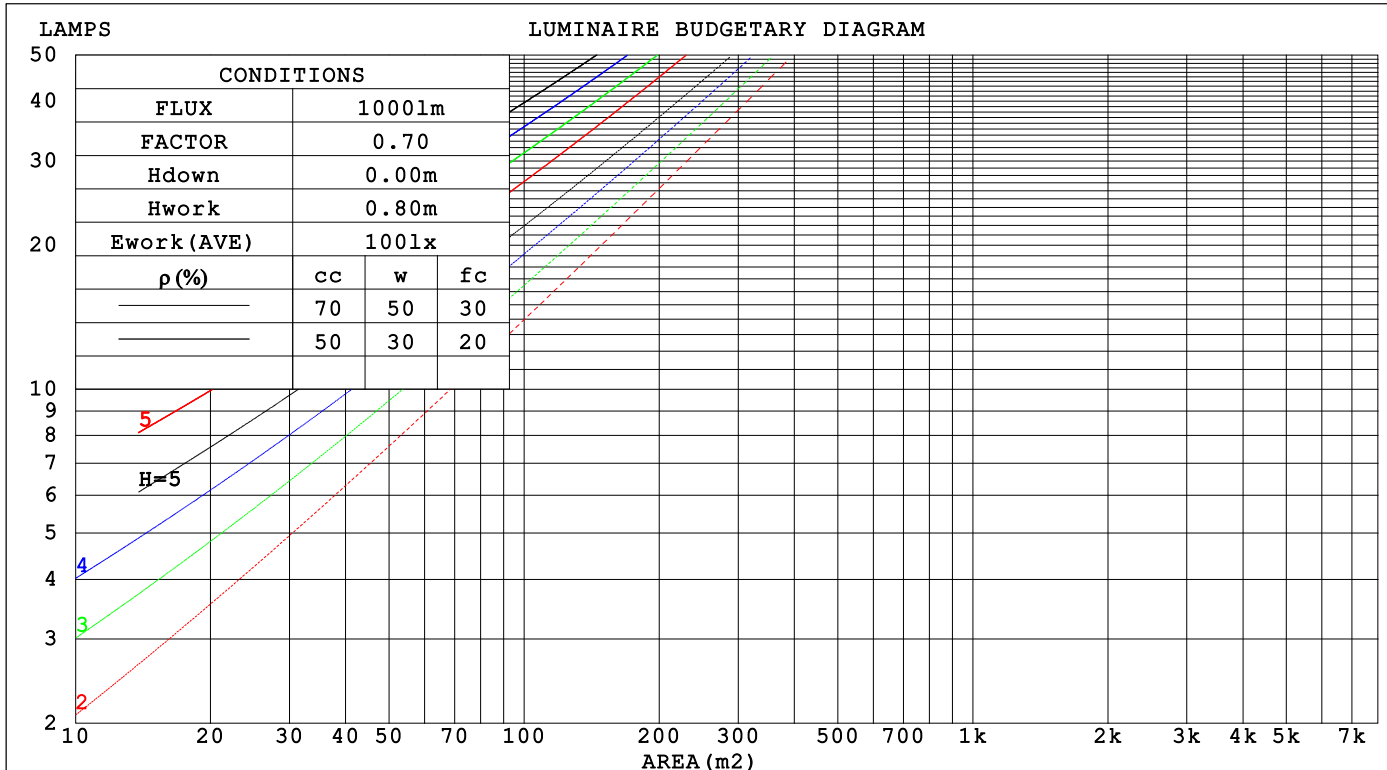
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:QUYEN  
Test Date:2025-08-09

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0246]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm    |  |  |
| NAME: ETLTRK01D-24                                        |  |  |
| 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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 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 | 1.00                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.0  | 1.02                  | .97  | .93  | .90  | .96  | .92  | .96  | .92  | .89  | .92  | .89  | .86  | .88  | .86  | .83  | .81                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0  | .88                   | .81  | .74  | .86  | .79  | .74  | .83  | .77  | .72  | .79  | .74  | .70  | .76  | .72  | .69  | .66                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0  | .77                   | .68  | .61  | .75  | .67  | .60  | .72  | .65  | .59  | .69  | .63  | .58  | .67  | .62  | .57  | .55                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0  | .68                   | .58  | .51  | .66  | .57  | .51  | .64  | .56  | .50  | .61  | .55  | .49  | .59  | .53  | .49  | .46                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0  | .60                   | .51  | .44  | .59  | .50  | .43  | .57  | .49  | .43  | .55  | .48  | .42  | .53  | .47  | .42  | .40                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0  | .54                   | .45  | .38  | .53  | .44  | .38  | .51  | .43  | .37  | .49  | .42  | .37  | .48  | .41  | .37  | .34                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0  | .49                   | .40  | .33  | .48  | .39  | .33  | .46  | .38  | .33  | .45  | .38  | .33  | .43  | .37  | .32  | .30                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0  | .44                   | .36  | .29  | .44  | .35  | .29  | .42  | .35  | .29  | .41  | .34  | .29  | .40  | .33  | .29  | .27                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0  | .41                   | .32  | .26  | .40  | .32  | .26  | .39  | .31  | .26  | .38  | .31  | .26  | .37  | .30  | .26  | .24                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0 | .37                   | .29  | .24  | .37  | .29  | .24  | .36  | .29  | .24  | .35  | .28  | .24  | .34  | .28  | .23  | .22                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QUYEN  
Test Date:2025-08-09

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0246]  
Remarks:

### WEC AND CCEC

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm    |  |  |
| NAME: ETLTRK01D-24                                        |  |  |
| 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  | .342                  | .194 | .062 | .335 | .191 | .061 | .321                            | .184 | .059 | .309 | .178 | .057 | .297 | .172 | .056 |   |  |
| 2.0  | .314                  | .172 | .053 | .308 | .170 | .052 | .296                            | .165 | .051 | .285 | .160 | .050 | .275 | .156 | .049 |   |  |
| 3.0  | .287                  | .153 | .046 | .281 | .151 | .045 | .271                            | .147 | .045 | .261 | .143 | .044 | .252 | .139 | .043 |   |  |
| 4.0  | .262                  | .136 | .040 | .257 | .135 | .040 | .248                            | .131 | .039 | .239 | .128 | .039 | .231 | .126 | .038 |   |  |
| 5.0  | .241                  | .123 | .036 | .236 | .121 | .035 | .228                            | .119 | .035 | .220 | .116 | .035 | .213 | .114 | .034 |   |  |
| 6.0  | .222                  | .111 | .032 | .218 | .110 | .032 | .211                            | .108 | .031 | .204 | .106 | .031 | .197 | .104 | .031 |   |  |
| 7.0  | .206                  | .102 | .029 | .202 | .101 | .029 | .196                            | .099 | .028 | .189 | .097 | .028 | .184 | .095 | .028 |   |  |
| 8.0  | .191                  | .094 | .026 | .188 | .093 | .026 | .182                            | .091 | .026 | .177 | .090 | .026 | .172 | .088 | .026 |   |  |
| 9.0  | .179                  | .086 | .024 | .176 | .086 | .024 | .171                            | .084 | .024 | .166 | .083 | .024 | .161 | .082 | .024 |   |  |
| 10.0 | .168                  | .080 | .022 | .165 | .080 | .022 | .160                            | .079 | .022 | .156 | .077 | .022 | .152 | .076 | .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  | .183                  | .156 | .132 | .156 | .134 | .113 | .107                                        | .092 | .078 | .061 | .053 | .046 | .020 | .017 | .015 |   |  |
| 2.0  | .175                  | .132 | .095 | .150 | .113 | .082 | .103                                        | .078 | .057 | .059 | .046 | .034 | .019 | .015 | .011 |   |  |
| 3.0  | .168                  | .114 | .072 | .144 | .099 | .062 | .099                                        | .069 | .044 | .057 | .040 | .026 | .018 | .013 | .008 |   |  |
| 4.0  | .160                  | .101 | .056 | .137 | .088 | .049 | .094                                        | .061 | .034 | .055 | .036 | .020 | .018 | .012 | .007 |   |  |
| 5.0  | .152                  | .091 | .046 | .131 | .079 | .040 | .090                                        | .055 | .028 | .052 | .032 | .017 | .017 | .011 | .005 |   |  |
| 6.0  | .145                  | .083 | .038 | .125 | .072 | .033 | .086                                        | .050 | .023 | .050 | .029 | .014 | .016 | .010 | .005 |   |  |
| 7.0  | .138                  | .076 | .032 | .119 | .066 | .028 | .082                                        | .046 | .020 | .048 | .027 | .012 | .015 | .009 | .004 |   |  |
| 8.0  | .131                  | .070 | .028 | .113 | .061 | .024 | .078                                        | .043 | .017 | .045 | .025 | .010 | .015 | .008 | .003 |   |  |
| 9.0  | .125                  | .065 | .025 | .108 | .056 | .021 | .075                                        | .040 | .015 | .043 | .023 | .009 | .014 | .008 | .003 |   |  |
| 10.0 | .119                  | .061 | .022 | .103 | .053 | .019 | .071                                        | .037 | .014 | .042 | .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:2025-08-09

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0246]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                                                     |                  |      |      |      |      |                |      |      |      |      |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|------|----------------|------|------|------|------|
| Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm |                  |      |      |      |      |                |      |      |      |      |
| NAME: ETLTRK01D-24                                                                                                  |                  |      |      |      |      |                |      |      |      |      |
| 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                                                                                                       | 10.1             | 11.7 | 10.4 | 11.9 | 12.2 | 10.8           | 12.4 | 11.1 | 12.6 | 12.8 |
| 3H                                                                                                                  | 11.7             | 13.2 | 12.0 | 13.4 | 13.6 | 12.9           | 14.4 | 13.2 | 14.6 | 14.9 |
| 4H                                                                                                                  | 12.3             | 13.7 | 12.6 | 13.9 | 14.2 | 13.8           | 15.2 | 14.1 | 15.5 | 15.7 |
| 6H                                                                                                                  | 12.7             | 14.0 | 13.0 | 14.3 | 14.6 | 14.5           | 15.9 | 14.9 | 16.1 | 16.4 |
| 8H                                                                                                                  | 12.8             | 14.1 | 13.1 | 14.3 | 14.6 | 14.8           | 16.1 | 15.2 | 16.4 | 16.7 |
| 12H                                                                                                                 | 12.8             | 14.0 | 13.2 | 14.3 | 14.6 | 15.0           | 16.3 | 15.4 | 16.6 | 16.9 |
| 4H 2H                                                                                                               | 10.9             | 12.3 | 11.2 | 12.6 | 12.8 | 11.4           | 12.8 | 11.8 | 13.1 | 13.4 |
| 3H                                                                                                                  | 12.6             | 13.9 | 13.0 | 14.2 | 14.5 | 13.7           | 15.0 | 14.1 | 15.3 | 15.6 |
| 4H                                                                                                                  | 13.4             | 14.5 | 13.7 | 14.8 | 15.2 | 14.8           | 15.9 | 15.2 | 16.3 | 16.6 |
| 6H                                                                                                                  | 13.9             | 14.9 | 14.3 | 15.2 | 15.6 | 15.7           | 16.7 | 16.1 | 17.1 | 17.4 |
| 8H                                                                                                                  | 14.0             | 15.0 | 14.4 | 15.3 | 15.7 | 16.0           | 17.0 | 16.5 | 17.4 | 17.8 |
| 12H                                                                                                                 | 14.1             | 15.0 | 14.5 | 15.3 | 15.8 | 16.3           | 17.2 | 16.8 | 17.6 | 18.0 |
| 8H 4H                                                                                                               | 13.9             | 14.8 | 14.3 | 15.2 | 15.6 | 15.1           | 16.1 | 15.5 | 16.4 | 16.8 |
| 6H                                                                                                                  | 14.6             | 15.4 | 15.0 | 15.8 | 16.2 | 16.2           | 17.0 | 16.6 | 17.4 | 17.8 |
| 8H                                                                                                                  | 14.8             | 15.5 | 15.3 | 16.0 | 16.4 | 16.7           | 17.4 | 17.1 | 17.8 | 18.3 |
| 12H                                                                                                                 | 15.0             | 15.6 | 15.5 | 16.0 | 16.5 | 17.1           | 17.7 | 17.6 | 18.1 | 18.6 |
| 12H 4H                                                                                                              | 14.0             | 14.8 | 14.4 | 15.2 | 15.6 | 15.1           | 16.0 | 15.5 | 16.4 | 16.8 |
| 6H                                                                                                                  | 14.8             | 15.5 | 15.2 | 15.9 | 16.3 | 16.3           | 17.0 | 16.7 | 17.4 | 17.9 |
| 8H                                                                                                                  | 15.1             | 15.7 | 15.6 | 16.1 | 16.6 | 16.8           | 17.4 | 17.3 | 17.9 | 18.3 |
| Variations with the observer position at spacings(CIE Pub.117):                                                     |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H                                                                                                            | + 0.1 / - 0.1    |      |      |      |      | + 0.1 / - 0.1  |      |      |      |      |
| 1.5H                                                                                                                | + 0.1 / - 0.2    |      |      |      |      | + 0.2 / - 0.3  |      |      |      |      |
| 2.0H                                                                                                                | + 0.1 / - 0.2    |      |      |      |      | + 0.1 / - 0.3  |      |      |      |      |

CIE Pub.117, 5209 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.7)  
Area: 0.36 m2

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QUYEN  
Test Date:2025-08-09

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0246]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm    |  |  |
| NAME: ETLTRK01D-24                                        |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |

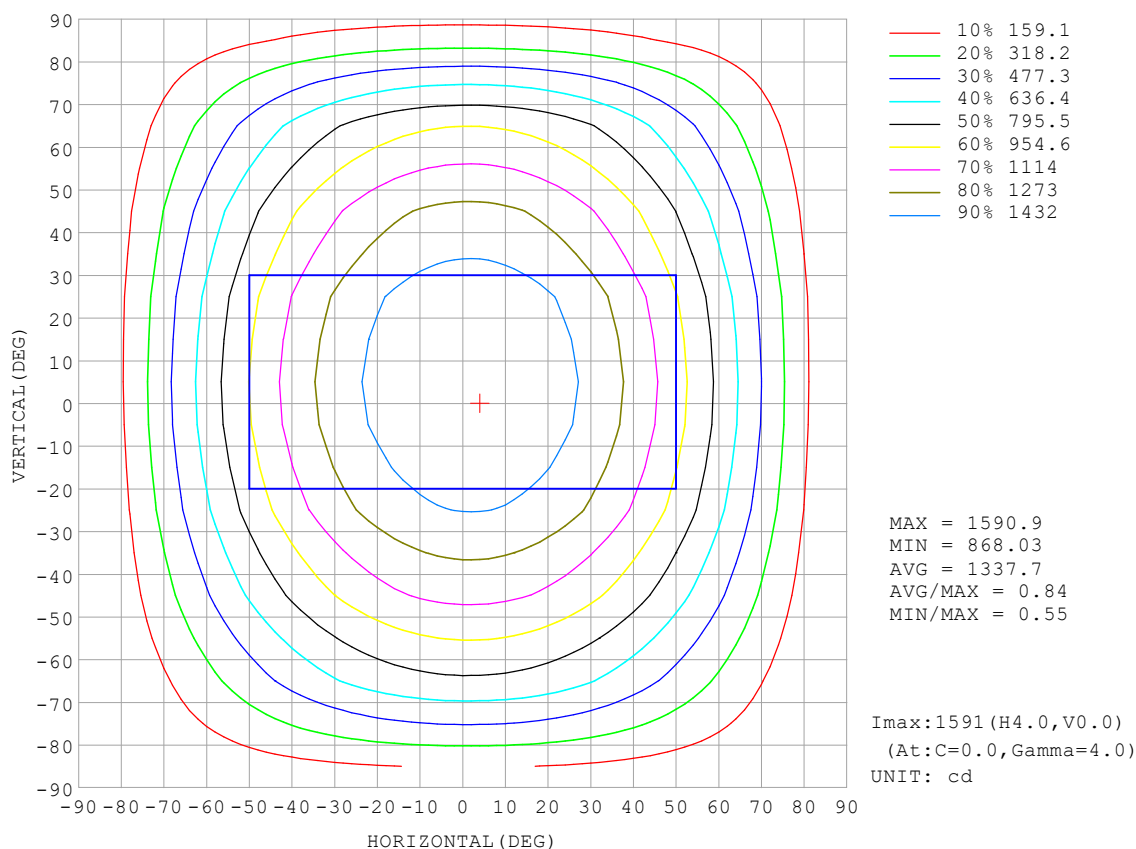
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 55                                                   | 43  | 36        | 54  | 43  | 36  | 53  | 42            | 35  | 29     |
| 0.80                             | 65                                                   | 53  | 45        | 64  | 52  | 45  | 62  | 51            | 44  | 37     |
| 1.00                             | 73                                                   | 61  | 54        | 72  | 61  | 53  | 70  | 62            | 53  | 45     |
| 1.25                             | 80                                                   | 69  | 62        | 79  | 68  | 61  | 76  | 67            | 60  | 53     |
| 1.50                             | 86                                                   | 75  | 67        | 84  | 74  | 67  | 81  | 72            | 66  | 58     |
| 2.00                             | 93                                                   | 83  | 76        | 91  | 82  | 76  | 87  | 80            | 74  | 66     |
| 2.50                             | 97                                                   | 88  | 82        | 95  | 87  | 81  | 91  | 84            | 79  | 70     |
| 3.00                             | 100                                                  | 93  | 87        | 98  | 91  | 86  | 94  | 88            | 84  | 75     |
| 4.00                             | 105                                                  | 98  | 93        | 102 | 97  | 92  | 98  | 93            | 89  | 80     |
| 5.00                             | 107                                                  | 102 | 98        | 105 | 100 | 96  | 100 | 96            | 93  | 83     |
| 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:2025-08-09

$V(B)$  Range:-90 - 90DEG  
 $V(B)$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
 Humidity:65.0%  
 Test Distance:6.100m [K=1.0246]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm    |  |  |
| NAME: ETLTRK01D-24                                        |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |

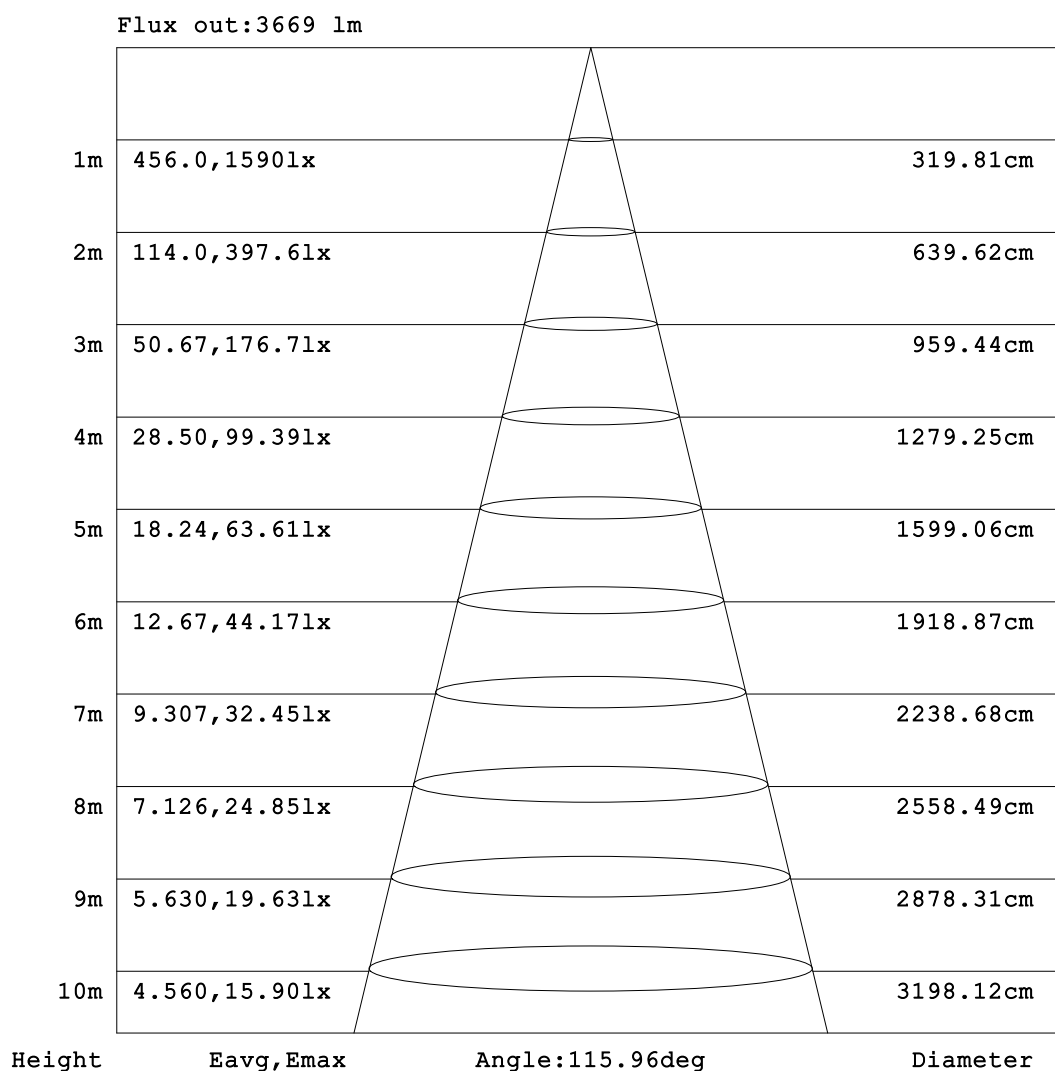


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QUYEN  
Test Date:2025-08-09

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0246]  
Remarks:

**AAI Figure**

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm    |  |  |
| NAME: ETLTRK01D-24                                        |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |



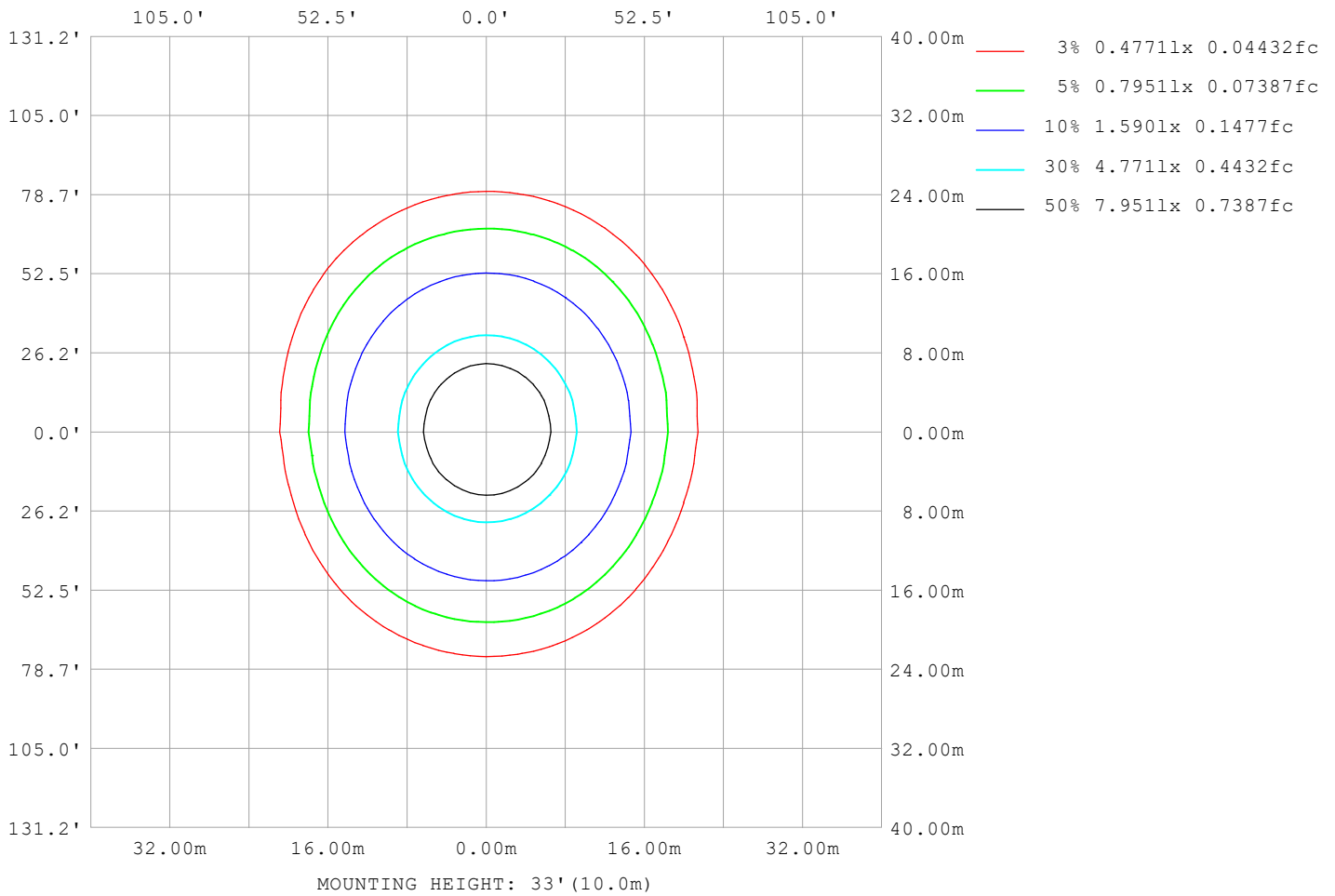
**Note:** The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90 DEG  
H(β) Interval: 2.0 DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: QUYEN  
Test Date: 2025-08-09

V(B) Range: -90 - 90 DEG  
V(B) Interval: 5.0 DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0246]  
Remarks:

ISOLUX DIAGRAM

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm    |  |  |
| NAME: ETLTRK01D-24                                        |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 2.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:QUYEN  
Test Date:2025-08-09

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0246]  
Remarks:

### LED Avg.L Report

|                                                           |  |  |
|-----------------------------------------------------------|--|--|
| Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz |  |  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm    |  |  |
| NAME: ETLTRK01D-24                                        |  |  |
| MFR.: EVERTIE                                             |  |  |
|                                                           |  |  |

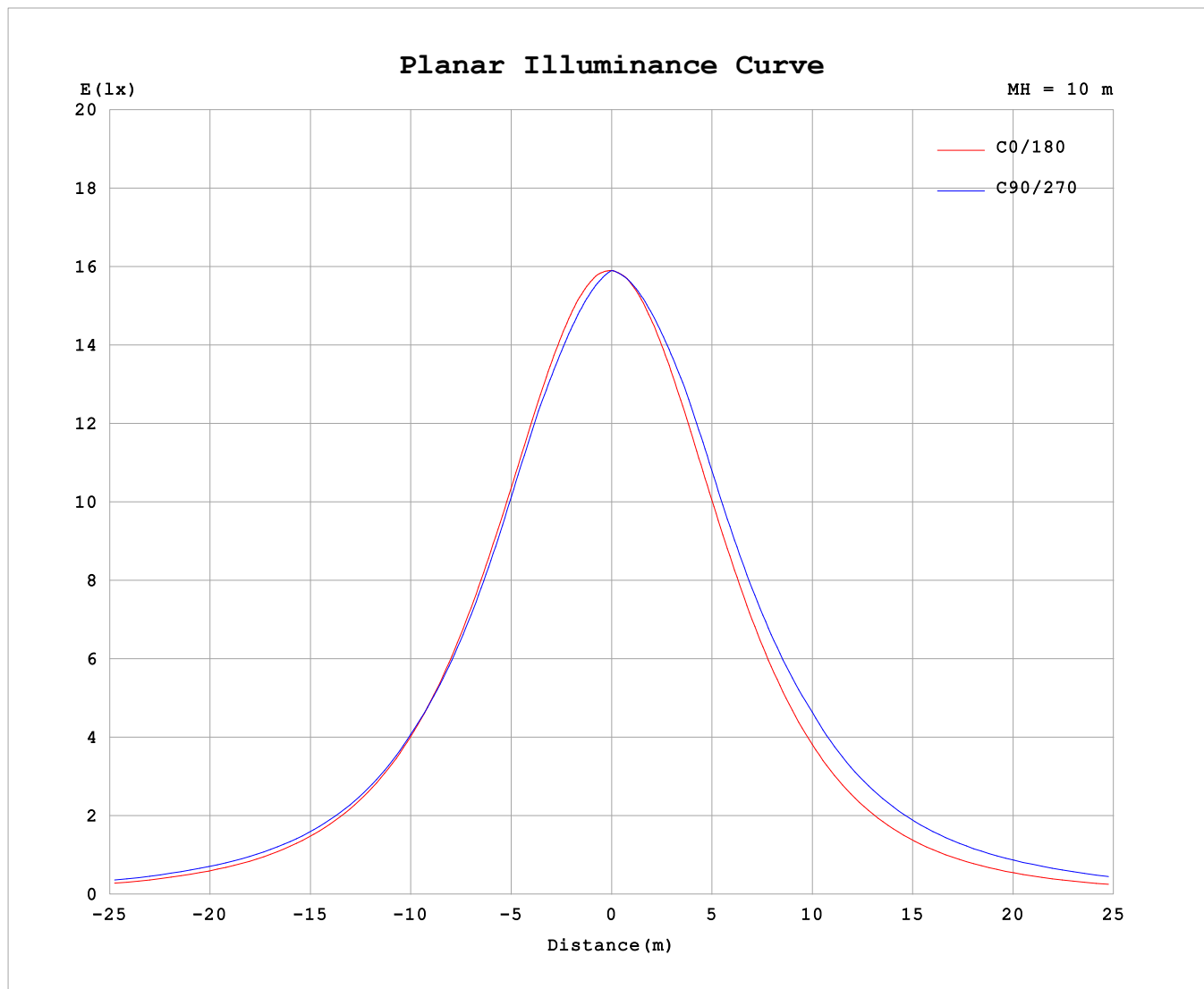
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 3960  |
| L_0~180 (75) av  | 3343  |
| L_0~180 (85) av  | 1457  |
| L_90~270 (65) av | 5666  |
| L_90~270 (75) av | 5958  |
| L_90~270 (85) av | 6626  |
| L_45 (65) av     | 4794  |
| L_45 (75) av     | 5251  |
| L_45 (85) av     | 5629  |

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:2025-08-09

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0246]  
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:2025-08-09

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0246]  
Remarks:

|                                                                                                                                   |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz</b><br><b>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm</b> |  |  |
| <b>NAME: ETLTRK01D-24</b>                                                                                                         |  |  |
| <b>MFR.: EVERTIE</b>                                                                                                              |  |  |
|                                                                                                                                   |  |  |

UNIT: cd

[illegible]

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0246]  
Remarks:

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.489  
Humidity:65.0%  
Test Distance:6.100m [K=1.0246]  
Remarks:

|                                                                                                                                   |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz</b><br><b>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm</b> |  |  |
| <b>NAME: ETLTRK01D-24</b>                                                                                                         |  |  |
| <b>MFR.: EVERTIE</b>                                                                                                              |  |  |
|                                                                                                                                   |  |  |

UNIT: cd

[illegible]

```
V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0246]
Remarks:
```

|                                                                                                                                   |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>Test:U:121.35V I:0.2784A P:33.688W PF:0.9972 Freq:59.98Hz</b><br><b>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5209.25x1 lm</b> |  |  |
| <b>NAME: ETLTRK01D-24</b>                                                                                                         |  |  |
| <b>MFR.: EVERTIE</b>                                                                                                              |  |  |
|                                                                                                                                   |  |  |

UNIT: cd

[illegible]

```
V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.489
Humidity:65.0%
Test Distance:6.100m [K=1.0246]
Remarks:
```