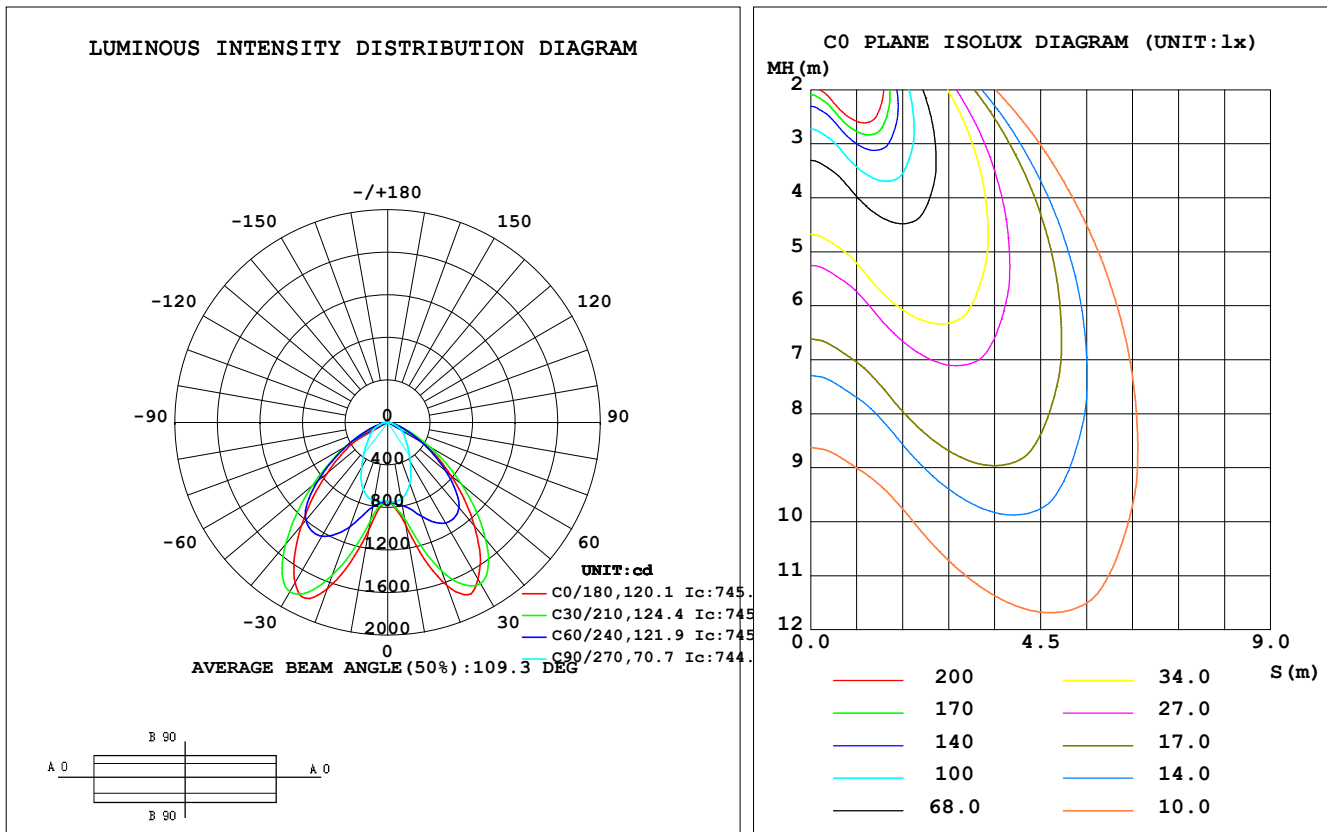


LUMINAIRE PHOTOMETRIC TEST REPORT

|  |         |                  |
|--|---------|------------------|
| Test:U:225.1V I:0.1860A P:40.60W PF:0.9670 Freq:50.00Hz Lamp Flux:3261.56x1 lm |         |                  |
| NAME: ALT85D-40G30-S   | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:72 | Shielding Angle: |

| DATA OF LAMP      |             | PHOTOMETRIC DATA Eff: 80.33 lm/W |        |                     |           |
|-------------------|-------------|----------------------------------|--------|---------------------|-----------|
| MODEL             | 3000K CRI90 | I <sub>max</sub> (cd)            | 1846   | S/MH (C0/180)       | 1.72      |
| NOMINAL POWER (W) | 40          | LOR (%)                          | 100.0  | S/MH (C90/270)      | 1.05      |
| RATED VOLTAGE (V) | 230         | TOTAL FLUX (lm)                  | 3261.6 | η UP, DN (C0-180)   | 0.0, 48.1 |
| NOMINAL FLUX (lm) | 3261.56     | CIE CLASS                        | DIRECT | η UP, DN (C180-360) | 0.0, 51.9 |
| LAMPS INSIDE      | 1           | η up (%)                         | 0.0    | CIBSE SHR NOM       | 0.75      |
| TEST VOLTAGE (V)  | 225.0       | η down (%)                       | 100.0  | CIBSE SHR MAX       | 0.80      |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: AE  
 Test Date: 2020-05-28

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity: 65.0%  
 Test Distance: 7.240m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10       | 979.4                 | 854.7 | 731.4 | 849.9 | 1019  | 868.4 | 751.2 | 849.7 | 0- 10    | 76.64       | 76.64        | 2.35,2.35  |
| 20       | 1632                  | 1240  | 611.9 | 1198  | 1662  | 1328  | 672.2 | 1198  | 10- 20   | 295.5       | 372.2        | 11.4,11.4  |
| 30       | 1699                  | 1504  | 426.6 | 1426  | 1742  | 1655  | 491.8 | 1475  | 20- 30   | 593.9       | 966.0        | 29.6,29.6  |
| 40       | 1269                  | 1413  | 291.0 | 1342  | 1260  | 1554  | 336.3 | 1441  | 30- 40   | 766.5       | 1733         | 53.1,53.1  |
| 50       | 780.4                 | 943.9 | 210.9 | 894.6 | 744.7 | 1027  | 231.2 | 1018  | 40- 50   | 703.7       | 2436         | 74.7,74.7  |
| 60       | 387.2                 | 477.0 | 150.9 | 446.1 | 362.6 | 535.6 | 172.0 | 551.9 | 50- 60   | 479.1       | 2915         | 89.4,89.4  |
| 70       | 138.1                 | 159.9 | 80.66 | 149.4 | 126.6 | 191.7 | 106.5 | 210.9 | 60- 70   | 242.9       | 3158         | 96.8,96.8  |
| 80       | 36.63                 | 34.62 | 20.72 | 34.02 | 35.09 | 49.53 | 40.84 | 55.08 | 70- 80   | 86.73       | 3245         | 99.5,99.5  |
| 90       | 7.197                 | 7.025 | 5.759 | 6.712 | 6.518 | 5.564 | 4.926 | 5.590 | 80- 90   | 16.62       | 3262         | 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): 2106.2 lm

%lum = 64.6%

%lamp = 64.6%

Conical surface Flux(120deg): 2915.3 lm

%lum = 89.4%

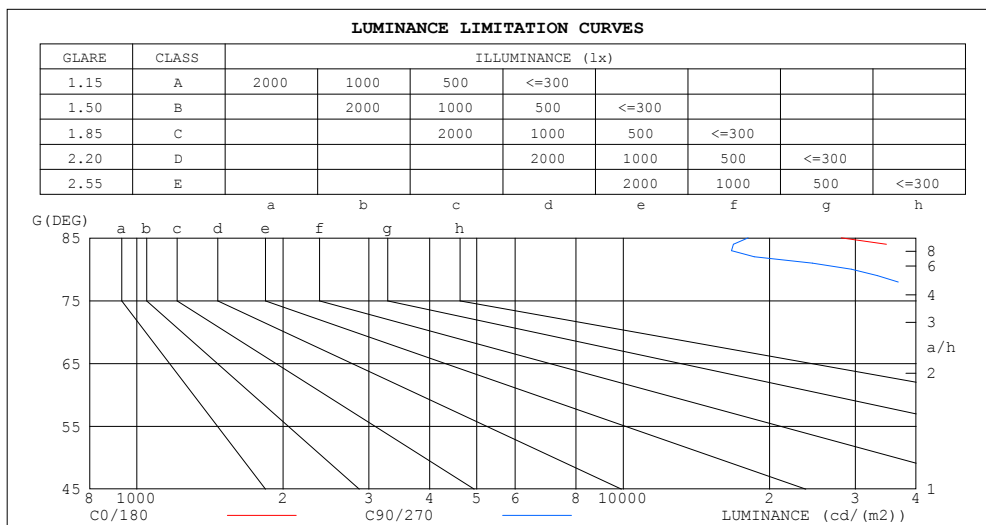
%lamp = 89.4%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-05-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|  |         |                  |
|--|---------|------------------|
| Test:U:225.1V I:0.1860A P:40.60W PF:0.9670 Freq:50.00Hz Lamp Flux:3261.56x1 lm |         |                  |
| NAME: ALT85D-40G30-S   | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:72 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 28061  | 18067   |
| 80                | 51724  | 29489   |
| 75                | 70167  | 46191   |
| 70                | 99032  | 58285   |
| 65                | 139982 | 67551   |
| 60                | 189884 | 74613   |
| 55                | 243359 | 78765   |
| 50                | 297704 | 81077   |
| 45                | 353029 | 85502   |

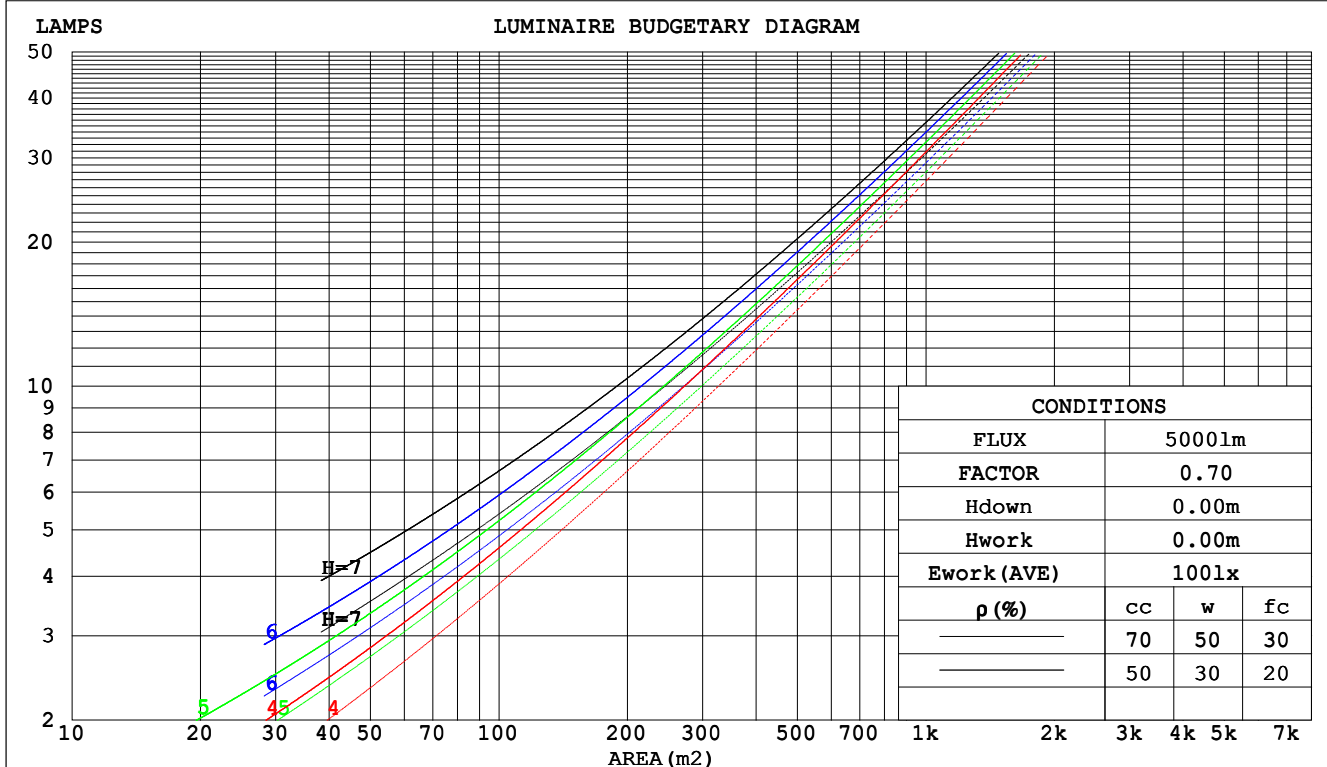
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-05-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |         |                  |
|--|---------|------------------|
| Test:U:225.1V I:0.1860A P:40.60W PF:0.9670 Freq:50.00Hz Lamp Flux:3261.56x1 lm |         |                  |
| NAME: ALT85D-40G30-S   | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:72 | 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 |      |      |      |      |      | 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  | 1.06                  | 1.03 | .99  | 1.04 | 1.01 | .98  | .90                             | .97  | .95  | .96  | .94  | .92  | .93  | .91  | .89  | .87  |
| 2.0  | .94                   | .88  | .83  | .92  | .87  | .82  | .89                             | .84  | .80  | .86  | .82  | .78  | .83  | .80  | .77  | .75  |
| 3.0  | .84                   | .76  | .70  | .82  | .75  | .70  | .79                             | .73  | .69  | .77  | .72  | .67  | .74  | .70  | .66  | .64  |
| 4.0  | .75                   | .66  | .60  | .73  | .66  | .60  | .71                             | .64  | .59  | .69  | .63  | .58  | .66  | .62  | .58  | .55  |
| 5.0  | .67                   | .58  | .52  | .66  | .58  | .52  | .64                             | .57  | .51  | .62  | .56  | .51  | .60  | .55  | .50  | .48  |
| 6.0  | .60                   | .52  | .46  | .59  | .51  | .45  | .58                             | .50  | .45  | .56  | .50  | .45  | .54  | .49  | .44  | .42  |
| 7.0  | .55                   | .46  | .40  | .54  | .46  | .40  | .52                             | .45  | .40  | .51  | .44  | .40  | .49  | .44  | .39  | .37  |
| 8.0  | .50                   | .41  | .36  | .49  | .41  | .36  | .48                             | .40  | .35  | .46  | .40  | .35  | .45  | .39  | .35  | .33  |
| 9.0  | .45                   | .37  | .32  | .45  | .37  | .32  | .44                             | .37  | .32  | .43  | .36  | .32  | .42  | .36  | .31  | .30  |
| 10.0 | .42                   | .34  | .29  | .41  | .34  | .29  | .40                             | .33  | .29  | .39  | .33  | .28  | .38  | .33  | .28  | .27  |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-05-28

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

## WEC AND CCEC

|  |  |  |         |  |                  |
|--|--|--|---------|--|------------------|
| Test:U:225.1V I:0.1860A P:40.60W PF:0.9670 Freq:50.00Hz Lamp Flux:3261.56x1 lm |  |  |         |  |                  |
| NAME: ALT85D-40G30-S   |  |  | TYPE:   |  | WEIGHT:          |
| SPEC.:   |  |  | DIM.:   |  | SERIAL No.:      |
| MFR.:  |  |  | SUR.:72 |  | 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  | .262                  | .149 | .047 | .255 | .146 | .046 | .242                            | .139 | .044 | .230 | .133 | .043 | .219 | .127 | .041 |   |
| 2.0  | .255                  | .140 | .043 | .249 | .137 | .042 | .238                            | .132 | .041 | .228 | .128 | .040 | .218 | .123 | .039 |   |
| 3.0  | .242                  | .129 | .039 | .237 | .127 | .038 | .227                            | .123 | .037 | .218 | .119 | .037 | .209 | .116 | .036 |   |
| 4.0  | .228                  | .119 | .035 | .224 | .117 | .035 | .215                            | .114 | .034 | .207 | .111 | .033 | .199 | .108 | .033 |   |
| 5.0  | .215                  | .109 | .032 | .210 | .108 | .031 | .202                            | .105 | .031 | .195 | .103 | .031 | .188 | .101 | .030 |   |
| 6.0  | .202                  | .101 | .029 | .198 | .100 | .029 | .191                            | .098 | .028 | .184 | .096 | .028 | .178 | .094 | .028 |   |
| 7.0  | .190                  | .094 | .027 | .186 | .093 | .026 | .180                            | .091 | .026 | .174 | .089 | .026 | .169 | .088 | .026 |   |
| 8.0  | .179                  | .087 | .025 | .176 | .086 | .024 | .170                            | .085 | .024 | .165 | .083 | .024 | .160 | .082 | .024 |   |
| 9.0  | .169                  | .082 | .023 | .166 | .081 | .023 | .161                            | .080 | .023 | .156 | .078 | .022 | .151 | .077 | .022 |   |
| 10.0 | .159                  | .076 | .021 | .157 | .076 | .021 | .152                            | .075 | .021 | .148 | .074 | .021 | .144 | .072 | .021 |   |

| 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  | .177                  | .157 | .138 | .151 | .134 | .119 | .104                                       | .092 | .082 | .060 | .053 | .048 | .019 | .017 | .015 |   |
| 2.0  | .167                  | .132 | .102 | .143 | .114 | .089 | .098                                       | .079 | .062 | .057 | .046 | .036 | .018 | .015 | .012 |   |
| 3.0  | .159                  | .114 | .078 | .136 | .098 | .068 | .094                                       | .068 | .048 | .054 | .040 | .028 | .017 | .013 | .009 |   |
| 4.0  | .152                  | .101 | .061 | .130 | .087 | .053 | .090                                       | .061 | .038 | .052 | .035 | .022 | .017 | .012 | .007 |   |
| 5.0  | .145                  | .090 | .050 | .124 | .078 | .043 | .086                                       | .054 | .030 | .050 | .032 | .018 | .016 | .010 | .006 |   |
| 6.0  | .138                  | .082 | .041 | .119 | .071 | .036 | .082                                       | .049 | .025 | .048 | .029 | .015 | .015 | .010 | .005 |   |
| 7.0  | .132                  | .075 | .034 | .113 | .065 | .030 | .078                                       | .045 | .021 | .046 | .027 | .013 | .015 | .009 | .004 |   |
| 8.0  | .126                  | .069 | .030 | .109 | .060 | .026 | .075                                       | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0  | .120                  | .064 | .026 | .104 | .056 | .023 | .072                                       | .039 | .016 | .042 | .023 | .010 | .014 | .008 | .003 |   |
| 10.0 | .115                  | .060 | .023 | .099 | .052 | .020 | .069                                       | .037 | .014 | .040 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-05-28

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

|  |               |                  |      |      |      |               |                |                  |      |      |      |
|--|---------------|------------------|------|------|------|---------------|----------------|------------------|------|------|------|
| Test:U:225.1V I:0.1860A P:40.60W PF:0.9670 Freq:50.00Hz Lamp Flux:3261.56x1 lm |               |                  |      |      |      |               |                |                  |      |      |      |
| NAME: ALT85D-40G30-S   |               |                  |      |      |      | TYPE:         |                | WEIGHT:          |      |      |      |
| SPEC.:   |               |                  |      |      |      | DIM.:         |                | SERIAL No.:      |      |      |      |
| MFR.:  |               |                  |      |      |      | SUR.:72       |                | 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  |               | 28.6             | 30.0 | 28.8 | 30.2 | 30.4          | 25.6           | 27.0             | 25.8 | 27.2 | 27.4 |
|  | 3H            | 28.8             | 30.1 | 29.1 | 30.3 | 30.6          | 25.8           | 27.1             | 26.1 | 27.4 | 27.6 |
|  | 4H            | 28.8             | 30.1 | 29.1 | 30.3 | 30.6          | 25.9           | 27.1             | 26.2 | 27.4 | 27.6 |
|  | 6H            | 28.8             | 29.9 | 29.1 | 30.2 | 30.5          | 25.9           | 27.0             | 26.2 | 27.3 | 27.5 |
|  | 8H            | 28.8             | 29.9 | 29.1 | 30.2 | 30.4          | 25.8           | 26.9             | 26.1 | 27.2 | 27.5 |
|  | 12H           | 28.7             | 29.8 | 29.1 | 30.1 | 30.4          | 25.8           | 26.8             | 26.1 | 27.1 | 27.4 |
| 4H   | 2H            | 28.7             | 30.0 | 29.1 | 30.2 | 30.5          | 26.4           | 27.6             | 26.7 | 27.9 | 28.1 |
|  | 3H            | 29.1             | 30.2 | 29.4 | 30.5 | 30.8          | 26.8           | 27.8             | 27.1 | 28.1 | 28.4 |
|  | 4H            | 29.2             | 30.1 | 29.5 | 30.4 | 30.8          | 26.9           | 27.8             | 27.2 | 28.1 | 28.5 |
|  | 6H            | 29.2             | 30.0 | 29.6 | 30.4 | 30.7          | 26.9           | 27.7             | 27.3 | 28.1 | 28.4 |
|  | 8H            | 29.2             | 29.9 | 29.6 | 30.3 | 30.7          | 26.8           | 27.6             | 27.3 | 28.0 | 28.4 |
|  | 12H           | 29.1             | 29.8 | 29.5 | 30.2 | 30.6          | 26.8           | 27.5             | 27.2 | 27.9 | 28.3 |
| 8H   | 4H            | 29.1             | 29.9 | 29.5 | 30.3 | 30.6          | 26.9           | 27.7             | 27.3 | 28.1 | 28.4 |
|  | 6H            | 29.2             | 29.8 | 29.6 | 30.2 | 30.6          | 27.0           | 27.6             | 27.4 | 28.0 | 28.5 |
|  | 8H            | 29.2             | 29.7 | 29.6 | 30.1 | 30.6          | 27.0           | 27.5             | 27.4 | 28.0 | 28.4 |
|  | 12H           | 29.1             | 29.6 | 29.6 | 30.1 | 30.5          | 26.9           | 27.4             | 27.4 | 27.9 | 28.3 |
| 12H  | 4H            | 29.1             | 29.8 | 29.5 | 30.2 | 30.6          | 26.9           | 27.6             | 27.3 | 28.0 | 28.4 |
|  | 6H            | 29.1             | 29.7 | 29.6 | 30.1 | 30.6          | 27.0           | 27.5             | 27.4 | 28.0 | 28.4 |
|  | 8H            | 29.1             | 29.6 | 29.6 | 30.1 | 30.5          | 27.0           | 27.4             | 27.4 | 27.9 | 28.4 |
| Variations with the observer position at spacings:                             |               |                  |      |      |      |               |                |                  |      |      |      |
| S = 1.0H   | + 0.9 / - 1.0 |                  |      |      |      | + 1.4 / - 1.1 |                |                  |      |      |      |
| 1.5H   | + 0.4 / - 0.7 |                  |      |      |      | + 1.7 / - 2.7 |                |                  |      |      |      |
| 2.0H   | + 1.2 / - 1.7 |                  |      |      |      | + 2.4 / - 3.3 |                |                  |      |      |      |

CIE Pub.117, 3262 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.1)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-05-28

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|  |         |                  |
|--|---------|------------------|
| Test:U:225.1V I:0.1860A P:40.60W PF:0.9670 Freq:50.00Hz Lamp Flux:3261.56x1 lm |         |                  |
| NAME: ALT85D-40G30-S   | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:72 | Shielding Angle: |

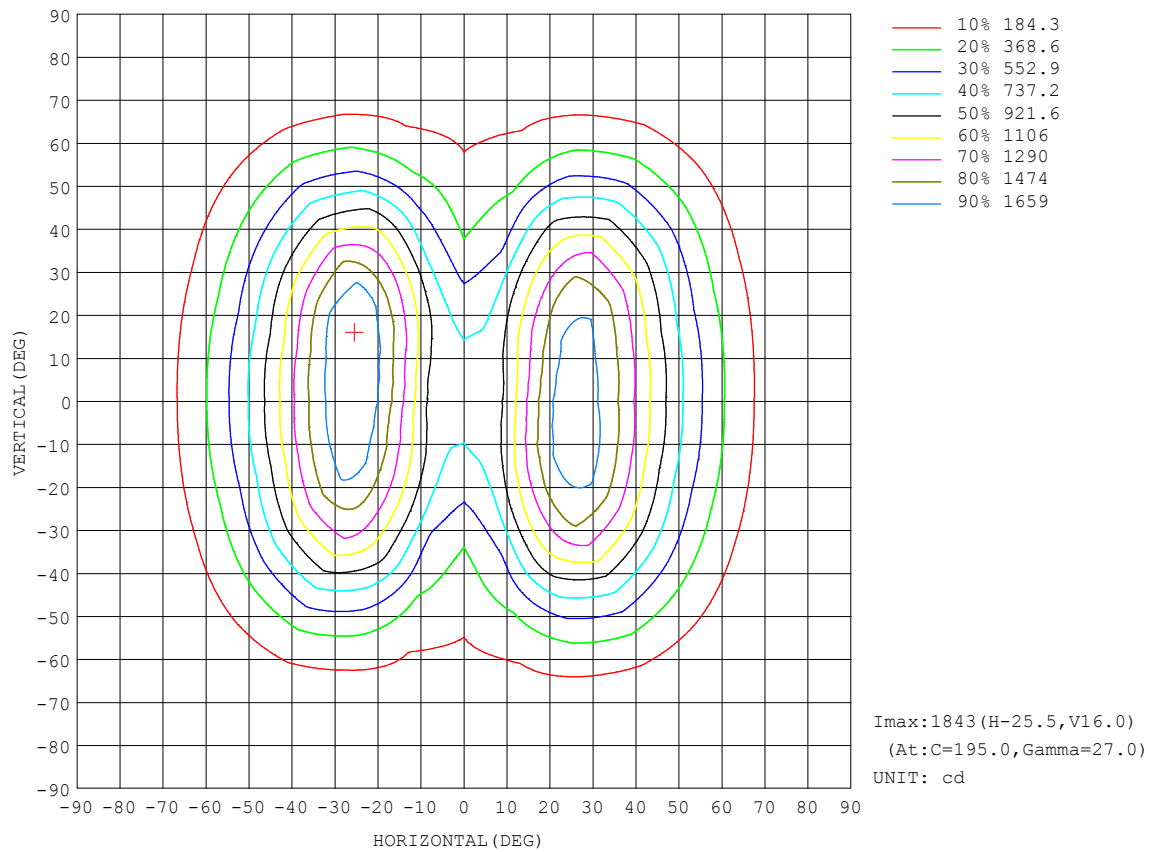
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 62   | 51  | 44        | 61  | 51  | 44  | 60  | 50            | 44  | 38     |
| 0.80                             | 72   | 62  | 55        | 71  | 61  | 55  | 70  | 61            | 55  | 48     |
| 1.00                             | 81   | 71  | 65        | 80  | 71  | 65  | 78  | 72            | 64  | 58     |
| 1.25                             | 88   | 79  | 73        | 87  | 78  | 72  | 84  | 77            | 72  | 65     |
| 1.50                             | 93   | 84  | 78        | 91  | 84  | 78  | 89  | 82            | 77  | 70     |
| 2.00                             | 99   | 92  | 86        | 97  | 91  | 86  | 94  | 89            | 84  | 77     |
| 2.50                             | 102  | 96  | 91        | 100 | 94  | 90  | 97  | 92            | 88  | 80     |
| 3.00                             | 105  | 99  | 95        | 103 | 98  | 94  | 99  | 95            | 92  | 84     |
| 4.00                             | 109  | 104 | 100       | 106 | 102 | 98  | 102 | 99            | 96  | 87     |
| 5.00                             | 110  | 106 | 103       | 108 | 104 | 101 | 104 | 101           | 98  | 90     |
| ROOM INDEX                       | UF (total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-05-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|  |         |                  |
|--|---------|------------------|
| Test:U:225.1V I:0.1860A P:40.60W PF:0.9670 Freq:50.00Hz Lamp Flux:3261.56x1 lm |         |                  |
| NAME: ALT85D-40G30-S   | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:72 | Shielding Angle: |



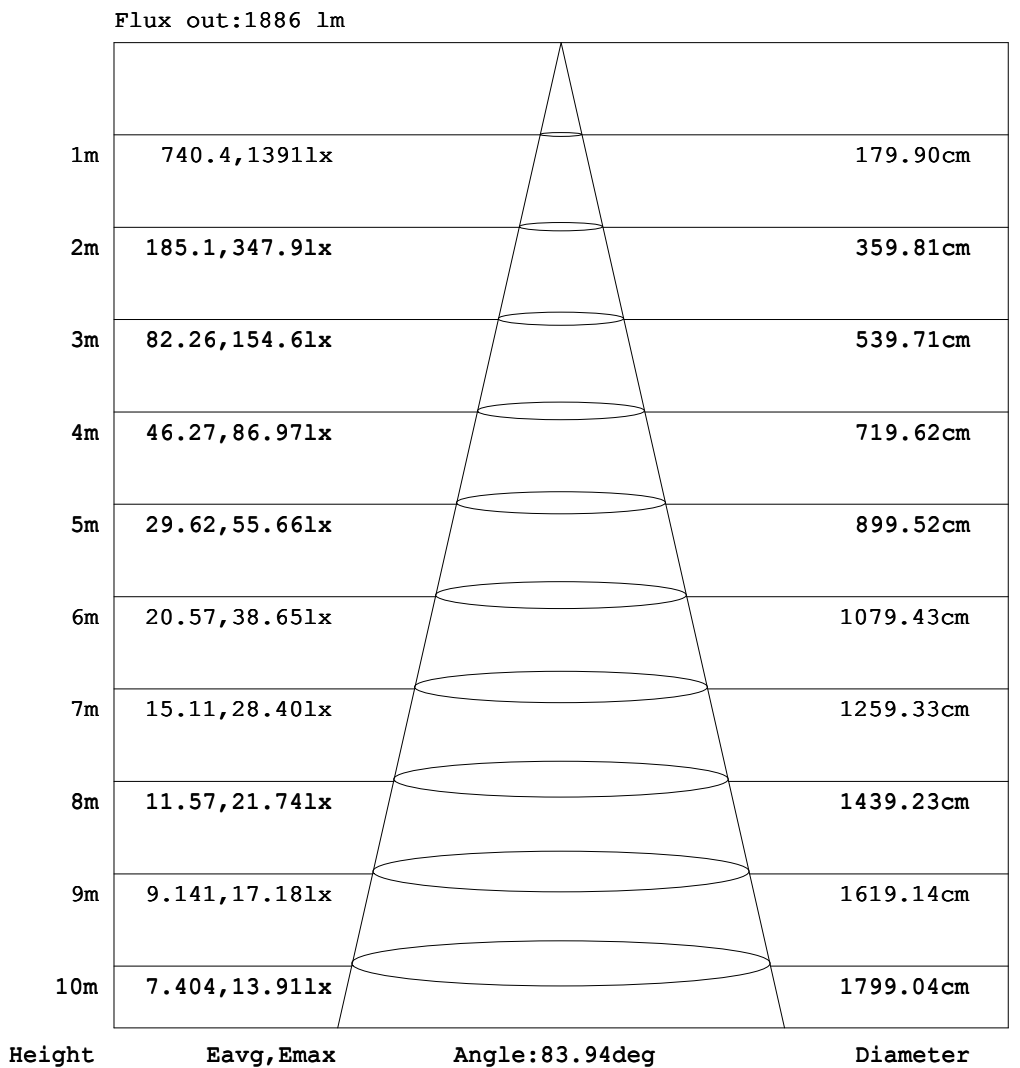
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-05-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:



### AAI Figure

|  |         |                  |
|--|---------|------------------|
| Test:U:225.1V I:0.1860A P:40.60W PF:0.9670 Freq:50.00Hz Lamp Flux:3261.56x1 lm |         |                  |
| NAME: ALT85D-40G30-S   | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:72 | Shielding Angle: |



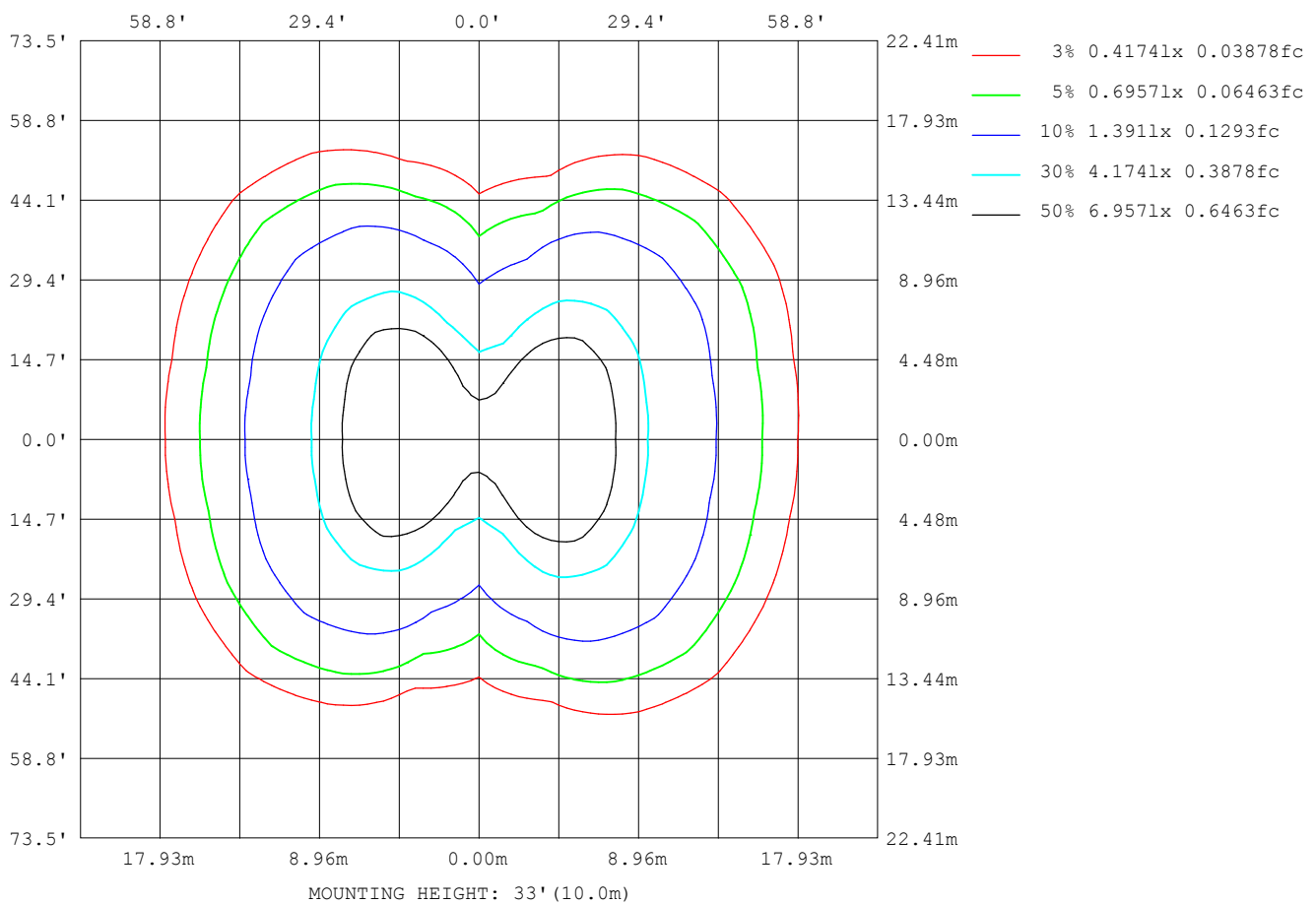
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-05-28

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|  |         |                  |
|--|---------|------------------|
| Test:U:225.1V I:0.1860A P:40.60W PF:0.9670 Freq:50.00Hz Lamp Flux:3261.56x1 lm |         |                  |
| NAME: ALT85D-40G30-S   | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:72 | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-05-28

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

## LED Avg.L Report

|  |         |                  |
|--|---------|------------------|
| Test:U:225.1V I:0.1860A P:40.60W PF:0.9670 Freq:50.00Hz Lamp Flux:3261.56x1 lm |         |                  |
| NAME: ALT85D-40G30-S   | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:72 | Shielding Angle: |

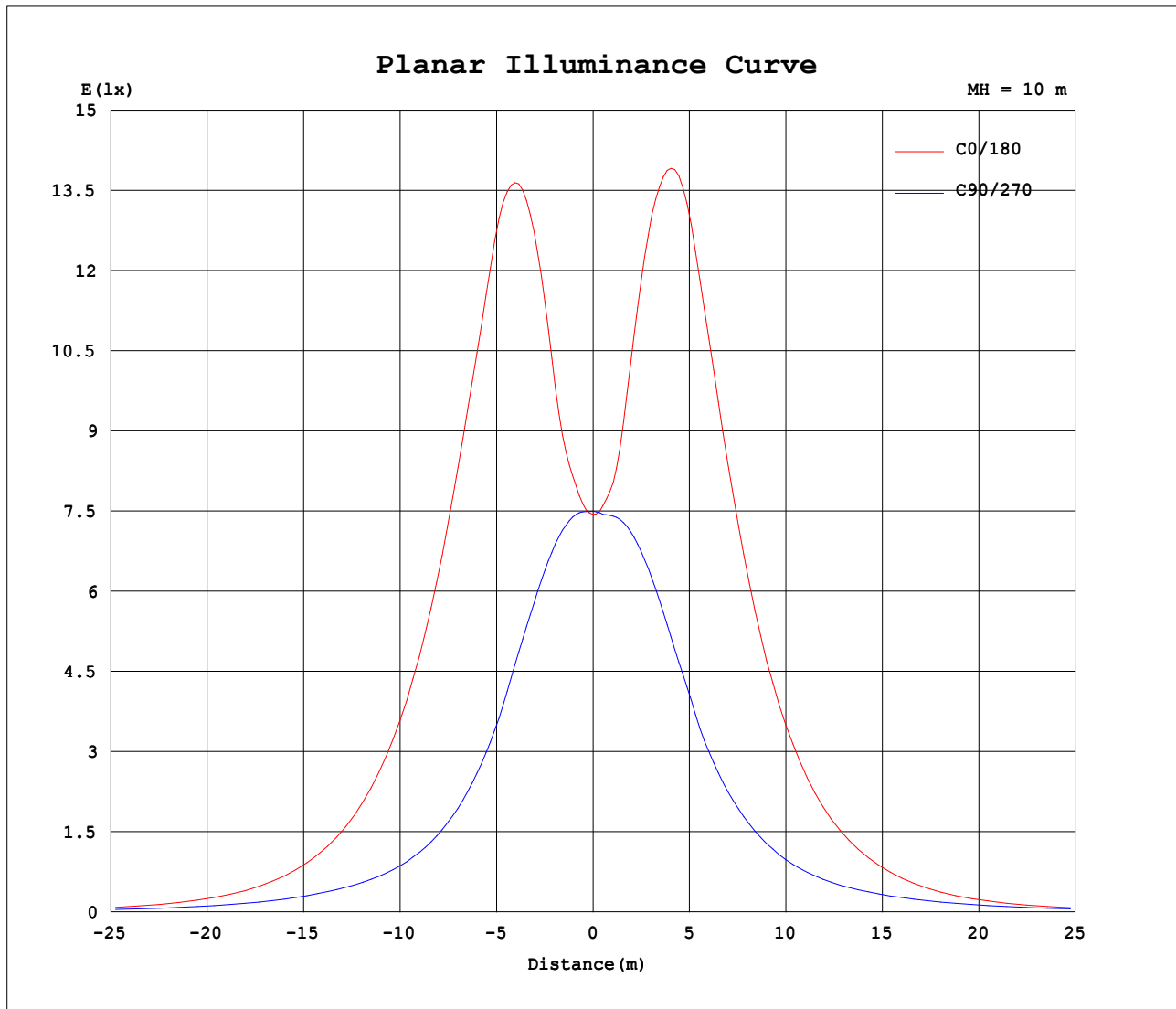
| AvgL             | cd/m2  |
|------------------|--------|
| L_0~180 (65) av  | 134675 |
| L_0~180 (75) av  | 68171  |
| L_0~180 (85) av  | 28141  |
| L_90~270 (65) av | 74519  |
| L_90~270 (75) av | 57363  |
| L_90~270 (85) av | 26967  |
| L_45 (65) av     | 184006 |
| L_45 (75) av     | 86996  |
| L_45 (85) av     | 34655  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-05-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: AE  
Test Date: 2020-05-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 7.240m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

```