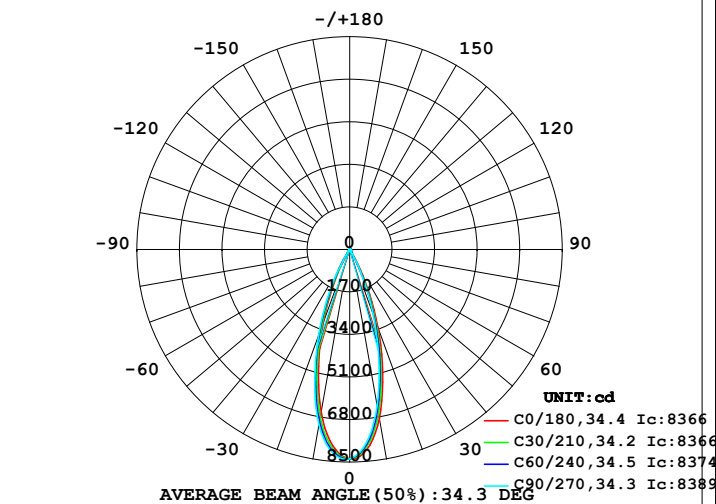


## LUMINAIRE PHOTOMETRIC TEST REPORT

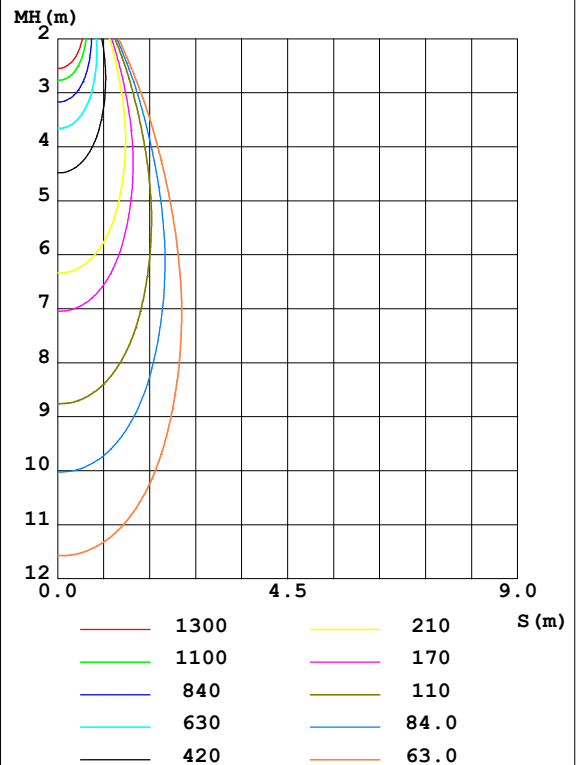
|  |  |  |         |  |                  |
|--|--|--|---------|--|------------------|
| Test:U:225.2V I:0.1630A P:35.10W PF:0.9530 Freq:50.00Hz Lamp Flux:2998.89x1 lm |  |  |         |  |                  |
| NAME: ALT85Z-35G30-Z1-Max  |  |  | TYPE:   |  | WEIGHT:          |
| SPEC.:   |  |  | DIM.:   |  | SERIAL No.:      |
| MFR.:  |  |  | SUR.:78 |  | Shielding Angle: |

| DATA OF LAMP      |             | PHOTOMETRIC DATA      |        |                     |           | Eff: 85.44 lm/W |
|-------------------|-------------|-----------------------|--------|---------------------|-----------|-----------------|
| MODEL             | 3000K CRI90 | I <sub>max</sub> (cd) | 8396   | S/MH (C0/180)       | 0.55      |                 |
| NOMINAL POWER (W) | 35          | LOR (%)               | 100.0  | S/MH (C90/270)      | 0.60      |                 |
| RATED VOLTAGE (V) | 226         | TOTAL FLUX (lm)       | 2998.9 | η UP, DN (C0-180)   | 0.0, 46.4 |                 |
| NOMINAL FLUX (lm) | 2998.89     | CIE CLASS             | DIRECT | η UP, DN (C180-360) | 0.0, 53.6 |                 |
| LAMPS INSIDE      | 1           | η up (%)              | 0.0    | CIBSE SHR NOM       | 0.50      |                 |
| TEST VOLTAGE (V)  | 225.2       | η down (%)            | 100.0  | CIBSE SHR MAX       | 0.60      |                 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: AE  
 Test Date: 2020-06-04

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       | 6848                  | 6601  | 6331  | 6381  | 6591  | 6851  | 7103  | 7069  | 0- 10    | 719.2       | 719.2        | 24,24      |
| 20       | 3316                  | 3017  | 2734  | 2803  | 3076  | 3354  | 3645  | 3591  | 10- 20   | 1355        | 2074         | 69.1,69.1  |
| 30       | 524.8                 | 362.3 | 260.9 | 315.3 | 430.7 | 594.5 | 739.8 | 701.9 | 20- 30   | 741.2       | 2815         | 93.9,93.9  |
| 40       | 76.26                 | 71.28 | 71.12 | 67.46 | 70.08 | 77.12 | 76.25 | 75.44 | 30- 40   | 98.11       | 2913         | 97.1,97.1  |
| 50       | 47.77                 | 40.61 | 40.12 | 38.28 | 42.99 | 49.59 | 47.67 | 48.17 | 40- 50   | 45.19       | 2958         | 98.6,98.6  |
| 60       | 17.59                 | 14.50 | 12.65 | 13.35 | 15.77 | 18.99 | 20.82 | 20.05 | 50- 60   | 27.14       | 2985         | 99.5,99.5  |
| 70       | 4.206                 | 3.178 | 2.806 | 3.155 | 3.947 | 4.857 | 5.429 | 5.123 | 60- 70   | 9.015       | 2994         | 99.8,99.8  |
| 80       | 1.897                 | 1.958 | 1.975 | 1.977 | 1.603 | 1.654 | 1.623 | 1.694 | 70- 80   | 2.399       | 2997         | 99.9,99.9  |
| 90       | 2.542                 | 2.621 | 2.690 | 2.700 | 1.579 | 1.560 | 1.568 | 1.608 | 80- 90   | 2.118       | 2999         | 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): 2937.4 lm

%lum = 98.0%

%lamp = 98.0%

Conical surface Flux(120deg): 2985.4 lm

%lum = 99.5%

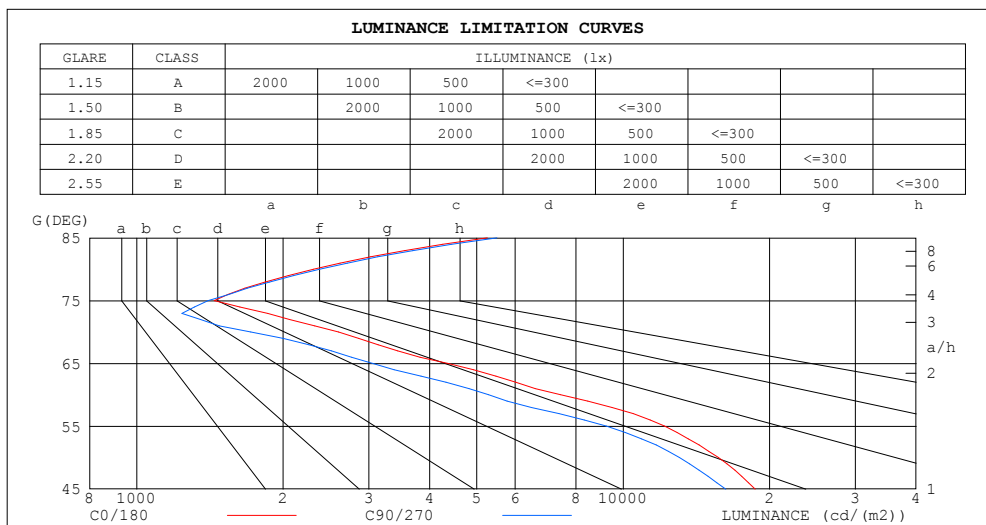
%lamp = 99.5%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-06-04

$\gamma$  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:225.2V I:0.1630A P:35.10W PF:0.9530 Freq:50.00Hz Lamp Flux:2998.89x1 lm |         |                  |
| NAME: ALT85Z-35G30-Z1-Max  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:78 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 5254   | 5499    |
| 80                | 2307   | 2378    |
| 75                | 1444   | 1403    |
| 70                | 2597   | 1715    |
| 65                | 4354   | 3050    |
| 60                | 7431   | 5288    |
| 55                | 12161  | 9228    |
| 50                | 15694  | 13047   |
| 45                | 18676  | 16247   |

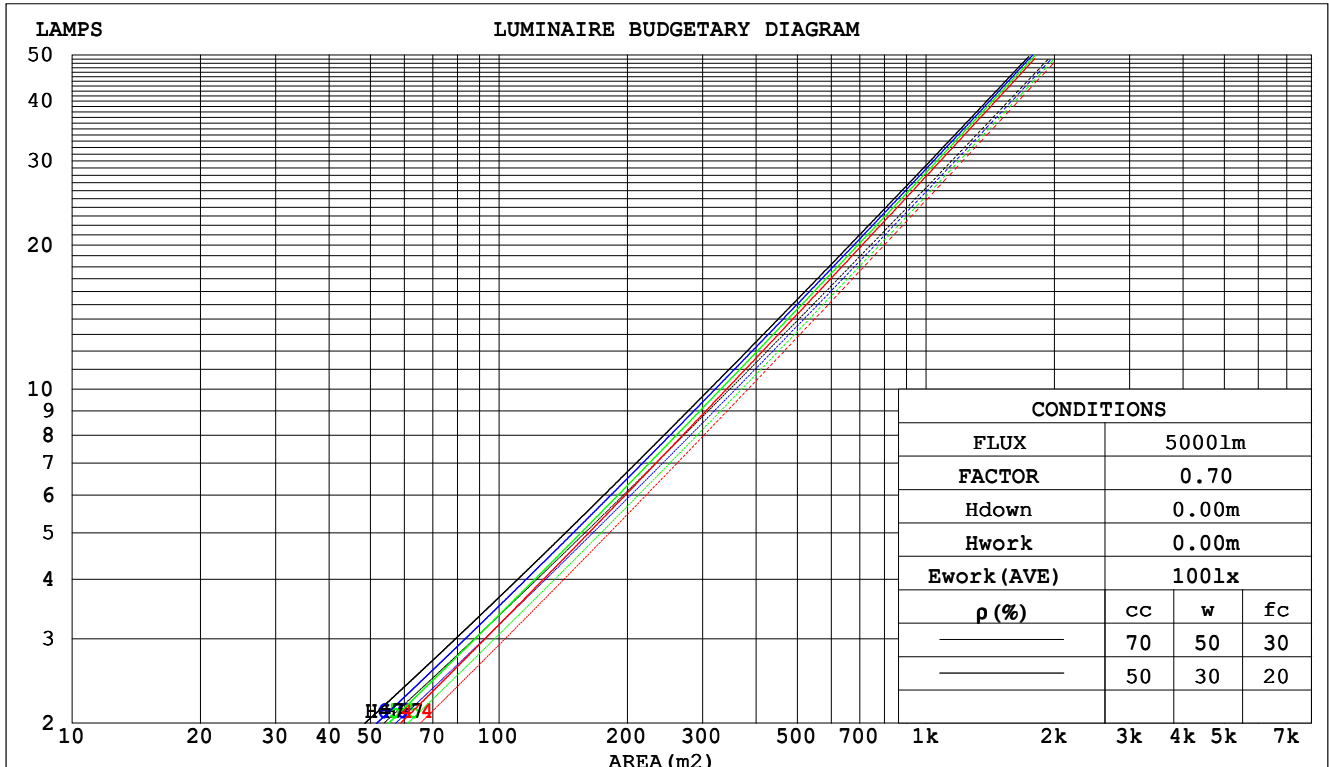
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-06-04

$\gamma$  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:225.2V I:0.1630A P:35.10W PF:0.9530 Freq:50.00Hz Lamp Flux:2998.89x1 lm |         |                  |
| NAME: ALT85Z-35G30-Z1-Max  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:78 | 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 | .00 |
| 1.0  | 1.12                  | 1.10 | 1.08 | 1.10 | 1.08 | 1.07 | 1.06                            | 1.05 | 1.03 | 1.02 | 1.01 | 1.00 | .99  | .98  | .97  | .96 |
| 2.0  | 1.06                  | 1.03 | 1.00 | 1.05 | 1.02 | .99  | 1.01                            | .99  | .97  | .99  | .97  | .95  | .96  | .94  | .93  | .92 |
| 3.0  | 1.01                  | .97  | .94  | .90  | .96  | .93  | .97                             | .94  | .92  | .95  | .92  | .90  | .93  | .91  | .89  | .88 |
| 4.0  | .96                   | .92  | .89  | .95  | .91  | .88  | .93                             | .90  | .87  | .91  | .89  | .86  | .90  | .87  | .85  | .84 |
| 5.0  | .92                   | .88  | .84  | .91  | .87  | .84  | .90                             | .86  | .83  | .88  | .85  | .82  | .87  | .84  | .82  | .81 |
| 6.0  | .88                   | .84  | .80  | .88  | .83  | .80  | .86                             | .82  | .80  | .85  | .82  | .79  | .84  | .81  | .79  | .77 |
| 7.0  | .85                   | .80  | .77  | .84  | .80  | .77  | .83                             | .79  | .76  | .82  | .79  | .76  | .81  | .78  | .76  | .75 |
| 8.0  | .82                   | .77  | .74  | .81  | .77  | .74  | .80                             | .76  | .73  | .79  | .76  | .73  | .78  | .75  | .73  | .72 |
| 9.0  | .79                   | .74  | .71  | .78  | .74  | .71  | .77                             | .74  | .71  | .77  | .73  | .71  | .76  | .73  | .70  | .69 |
| 10.0 | .76                   | .71  | .68  | .76  | .71  | .68  | .75                             | .71  | .68  | .74  | .71  | .68  | .74  | .70  | .68  | .67 |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-06-04

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:225.2V I:0.1630A P:35.10W PF:0.9530 Freq:50.00Hz Lamp Flux:2998.89x1 lm |  |  |         |  |                  |
| NAME: ALT85Z-35G30-Z1-Max  |  |  | TYPE:   |  | WEIGHT:          |
| SPEC.:   |  |  | DIM.:   |  | SERIAL No.:      |
| MFR.:  |  |  | SUR.:78 |  | 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  | .149                  | .085 | .027 | .143 | .081 | .026 | .130                            | .075 | .024 | .119 | .068 | .022 | .108 | .063 | .020 |   |
| 2.0  | .139                  | .076 | .023 | .134 | .074 | .023 | .124                            | .069 | .021 | .114 | .064 | .020 | .105 | .060 | .019 |   |
| 3.0  | .131                  | .070 | .021 | .126 | .068 | .020 | .118                            | .064 | .019 | .110 | .060 | .018 | .102 | .057 | .017 |   |
| 4.0  | .123                  | .064 | .019 | .119 | .062 | .018 | .112                            | .059 | .018 | .105 | .056 | .017 | .099 | .054 | .016 |   |
| 5.0  | .117                  | .059 | .017 | .113 | .058 | .017 | .107                            | .056 | .016 | .101 | .053 | .016 | .096 | .051 | .015 |   |
| 6.0  | .111                  | .056 | .016 | .108 | .054 | .016 | .102                            | .052 | .015 | .097 | .051 | .015 | .093 | .049 | .014 |   |
| 7.0  | .106                  | .052 | .015 | .103 | .051 | .015 | .098                            | .050 | .014 | .094 | .048 | .014 | .090 | .047 | .014 |   |
| 8.0  | .101                  | .049 | .014 | .099 | .049 | .014 | .094                            | .047 | .013 | .090 | .046 | .013 | .087 | .045 | .013 |   |
| 9.0  | .097                  | .047 | .013 | .095 | .046 | .013 | .091                            | .045 | .013 | .087 | .044 | .013 | .084 | .043 | .012 |   |
| 10.0 | .093                  | .044 | .012 | .091 | .044 | .012 | .088                            | .043 | .012 | .084 | .042 | .012 | .081 | .041 | .012 |   |

| 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  | .169                  | .158 | .147 | .145 | .135 | .127 | .099                                       | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .016 |   |
| 2.0  | .152                  | .133 | .116 | .130 | .114 | .101 | .089                                       | .079 | .070 | .051 | .046 | .041 | .016 | .015 | .013 |   |
| 3.0  | .138                  | .113 | .094 | .118 | .098 | .081 | .081                                       | .068 | .057 | .047 | .040 | .034 | .015 | .013 | .011 |   |
| 4.0  | .126                  | .098 | .077 | .108 | .085 | .067 | .074                                       | .059 | .047 | .043 | .035 | .028 | .014 | .011 | .009 |   |
| 5.0  | .116                  | .086 | .064 | .099 | .074 | .056 | .069                                       | .052 | .039 | .040 | .031 | .023 | .013 | .010 | .008 |   |
| 6.0  | .107                  | .076 | .054 | .092 | .066 | .047 | .064                                       | .046 | .033 | .037 | .027 | .020 | .012 | .009 | .007 |   |
| 7.0  | .100                  | .068 | .046 | .086 | .059 | .040 | .060                                       | .042 | .028 | .035 | .024 | .017 | .011 | .008 | .006 |   |
| 8.0  | .094                  | .062 | .040 | .081 | .054 | .034 | .056                                       | .038 | .024 | .033 | .022 | .015 | .011 | .007 | .005 |   |
| 9.0  | .089                  | .056 | .034 | .076 | .049 | .030 | .053                                       | .034 | .021 | .031 | .020 | .013 | .010 | .007 | .004 |   |
| 10.0 | .084                  | .052 | .030 | .072 | .045 | .026 | .050                                       | .032 | .019 | .029 | .019 | .011 | .009 | .006 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-06-04

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:225.2V I:0.1630A P:35.10W PF:0.9530 Freq:50.00Hz Lamp Flux:2998.89x1 lm |               |                  |     |     |         |                |     |                  |     |     |
| NAME: ALT85Z-35G30-Z1-Max  |               |                  |     |     | TYPE:   |                |     | WEIGHT:          |     |     |
| SPEC.:   |               |                  |     |     | DIM.:   |                |     | SERIAL No.:      |     |     |
| MFR.:  |               |                  |     |     | SUR.:78 |                |     | 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  | 8.5           | 9.2              | 8.7 | 9.3 | 9.5     | 7.3            | 8.0 | 7.5              | 8.2 | 8.4 |
|  | 3H            | 8.5              | 9.1 | 8.7 | 9.3     | 9.5            | 7.3 | 8.0              | 7.5 | 8.1 |
|  | 4H            | 8.4              | 9.1 | 8.7 | 9.3     | 9.5            | 7.2 | 7.9              | 7.5 | 8.1 |
|  | 6H            | 8.4              | 9.0 | 8.7 | 9.2     | 9.5            | 7.2 | 7.8              | 7.5 | 8.1 |
|  | 8H            | 8.4              | 9.0 | 8.7 | 9.2     | 9.5            | 7.2 | 7.8              | 7.5 | 8.1 |
|  | 12H           | 8.4              | 9.0 | 8.7 | 9.2     | 9.5            | 7.3 | 7.9              | 7.6 | 8.1 |
| 4H   | 2H            | 8.4              | 9.1 | 8.7 | 9.3     | 9.5            | 7.3 | 8.0              | 7.6 | 8.2 |
|  | 3H            | 8.4              | 9.0 | 8.7 | 9.2     | 9.5            | 7.3 | 7.9              | 7.6 | 8.1 |
|  | 4H            | 8.4              | 8.9 | 8.7 | 9.2     | 9.5            | 7.3 | 7.8              | 7.6 | 8.1 |
|  | 6H            | 8.3              | 8.8 | 8.7 | 9.1     | 9.5            | 7.3 | 7.7              | 7.6 | 8.1 |
|  | 8H            | 8.4              | 8.8 | 8.8 | 9.1     | 9.5            | 7.3 | 7.8              | 7.7 | 8.1 |
|  | 12H           | 8.5              | 8.9 | 8.9 | 9.2     | 9.6            | 7.5 | 7.9              | 7.9 | 8.3 |
| 8H   | 4H            | 8.2              | 8.7 | 8.6 | 9.0     | 9.4            | 7.2 | 7.6              | 7.5 | 7.9 |
|  | 6H            | 8.3              | 8.6 | 8.7 | 9.0     | 9.4            | 7.2 | 7.6              | 7.6 | 8.0 |
|  | 8H            | 8.3              | 8.6 | 8.8 | 9.1     | 9.5            | 7.4 | 7.7              | 7.8 | 8.1 |
|  | 12H           | 8.5              | 8.8 | 9.0 | 9.2     | 9.7            | 7.7 | 7.9              | 8.1 | 8.4 |
| 12H  | 4H            | 8.2              | 8.6 | 8.6 | 9.0     | 9.3            | 7.1 | 7.5              | 7.5 | 7.9 |
|  | 6H            | 8.2              | 8.5 | 8.7 | 9.0     | 9.4            | 7.2 | 7.5              | 7.6 | 7.9 |
|  | 8H            | 8.3              | 8.6 | 8.8 | 9.0     | 9.5            | 7.4 | 7.6              | 7.8 | 8.1 |
| Variations with the observer position at spacings:                             |               |                  |     |     |         |                |     |                  |     |     |
| S = 1.0H   | + 0.9 / - 1.3 |                  |     |     |         | + 1.2 / - 1.8  |     |                  |     |     |
| 1.5H   | + 0.6 / - 0.9 |                  |     |     |         | + 0.6 / - 0.9  |     |                  |     |     |
| 2.0H   | + 2.5 / - 3.7 |                  |     |     |         | + 2.5 / - 3.5  |     |                  |     |     |

CIE Pub.117, 2999 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.8)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-06-04

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:225.2V I:0.1630A P:35.10W PF:0.9530 Freq:50.00Hz Lamp Flux:2998.89x1 lm |         |                  |
| NAME: ALT85Z-35G30-Z1-Max  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:78 | Shielding Angle: |

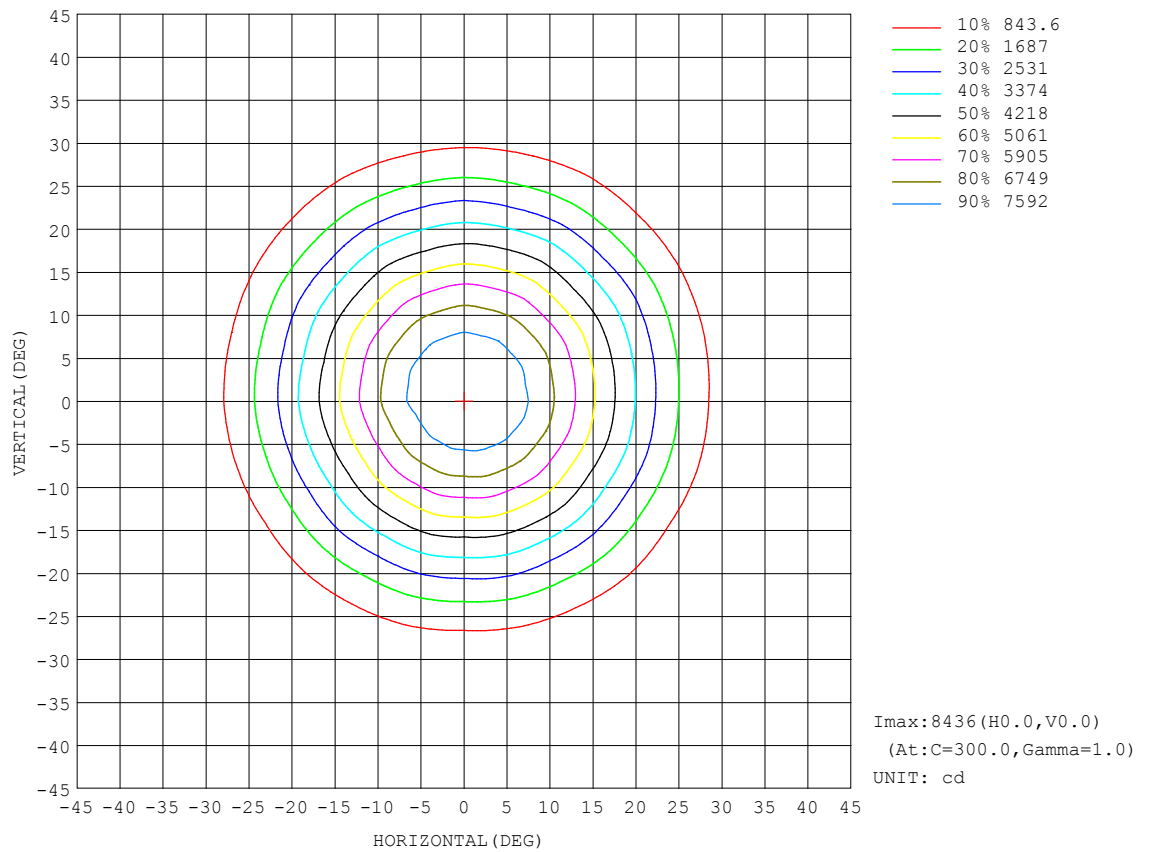
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 90   | 84  | 80        | 89  | 84  | 80  | 89  | 83            | 80  | 77     |
| 0.80                             | 97   | 91  | 88        | 96  | 91  | 88  | 95  | 91            | 87  | 84     |
| 1.00                             | 101  | 96  | 92        | 100 | 95  | 92  | 98  | 95            | 91  | 88     |
| 1.25                             | 105  | 100 | 97        | 104 | 99  | 96  | 102 | 98            | 95  | 91     |
| 1.50                             | 107  | 103 | 100       | 106 | 102 | 99  | 104 | 100           | 98  | 94     |
| 2.00                             | 109  | 105 | 103       | 108 | 104 | 102 | 105 | 102           | 100 | 95     |
| 2.50                             | 111  | 107 | 105       | 109 | 106 | 104 | 106 | 104           | 102 | 96     |
| 3.00                             | 112  | 109 | 107       | 111 | 108 | 106 | 107 | 105           | 103 | 97     |
| 4.00                             | 114  | 112 | 110       | 112 | 110 | 108 | 109 | 107           | 106 | 99     |
| 5.00                             | 115  | 113 | 112       | 113 | 112 | 110 | 109 | 108           | 107 | 100    |
| 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:2020-06-04

$\gamma$  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:225.2V I:0.1630A P:35.10W PF:0.9530 Freq:50.00Hz Lamp Flux:2998.89x1 lm |         |                  |
| NAME: ALT85Z-35G30-Z1-Max  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:78 | Shielding Angle: |



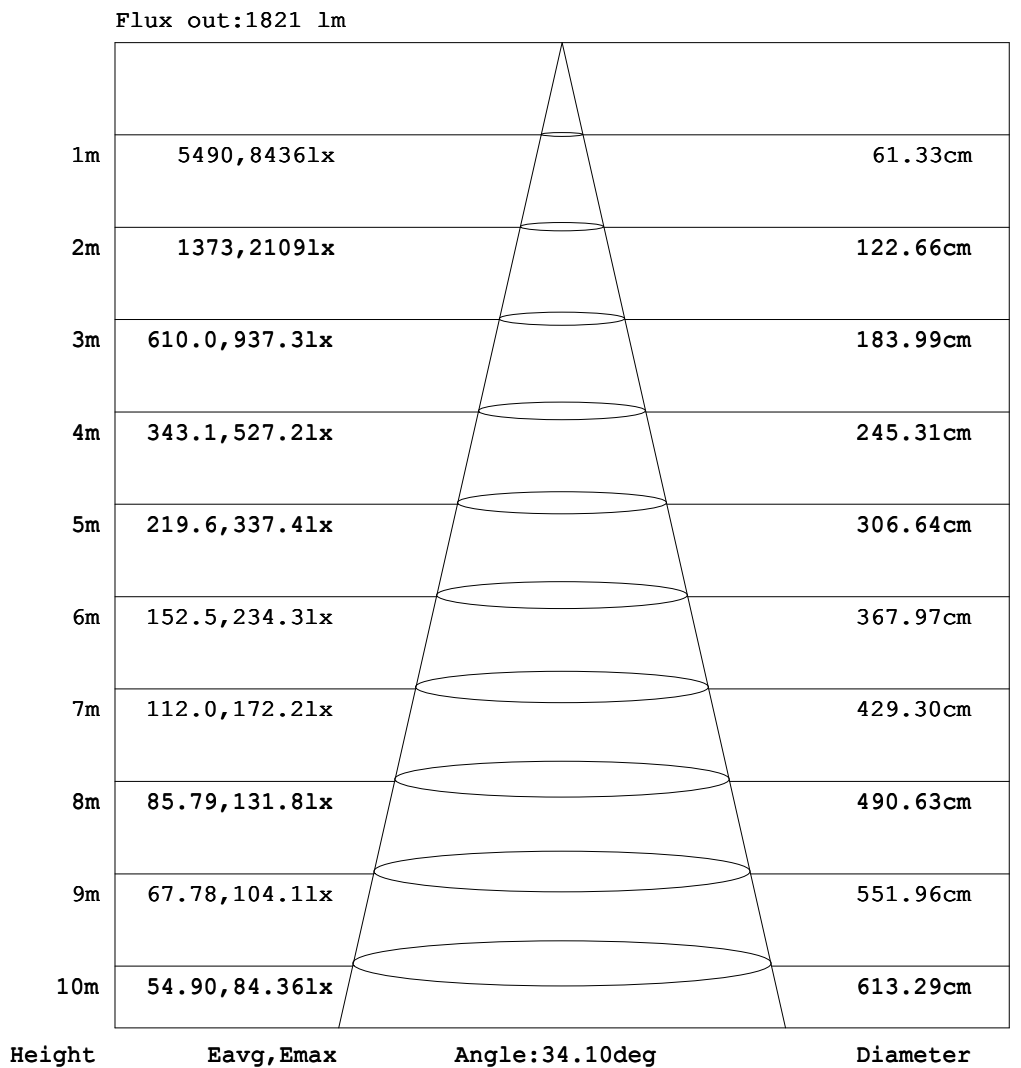
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-06-04

$\gamma$  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:225.2V I:0.1630A P:35.10W PF:0.9530 Freq:50.00Hz Lamp Flux:2998.89x1 lm |         |                  |
| NAME: ALT85Z-35G30-Z1-Max  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:78 | Shielding Angle: |



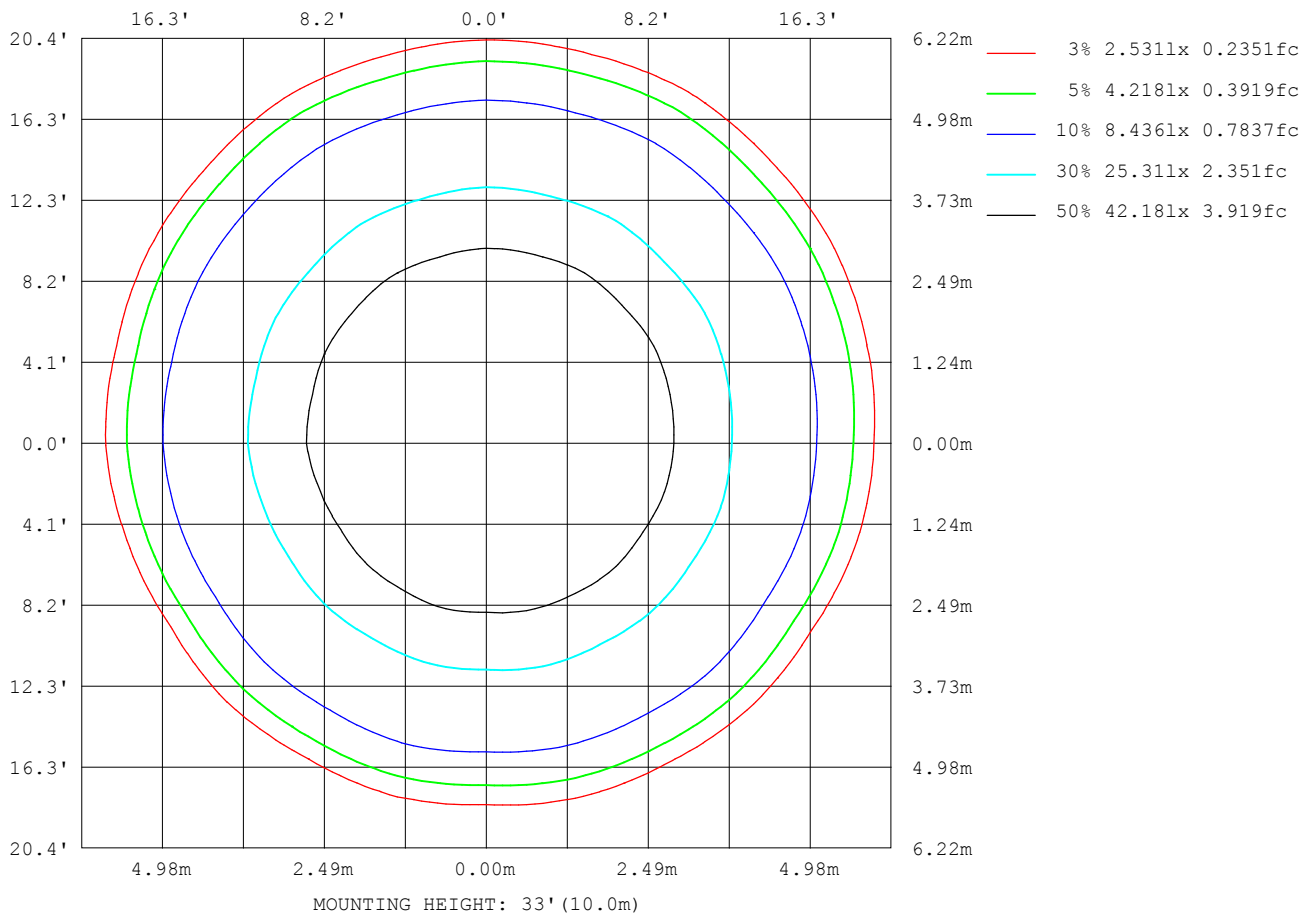
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-06-04

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:225.2V I:0.1630A P:35.10W PF:0.9530 Freq:50.00Hz Lamp Flux:2998.89x1 lm |         |                  |
| NAME: ALT85Z-35G30-Z1-Max  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:78 | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-06-04

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:225.2V I:0.1630A P:35.10W PF:0.9530 Freq:50.00Hz Lamp Flux:2998.89x1 lm |         |                  |
| NAME: ALT85Z-35G30-Z1-Max  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:78 | Shielding Angle: |

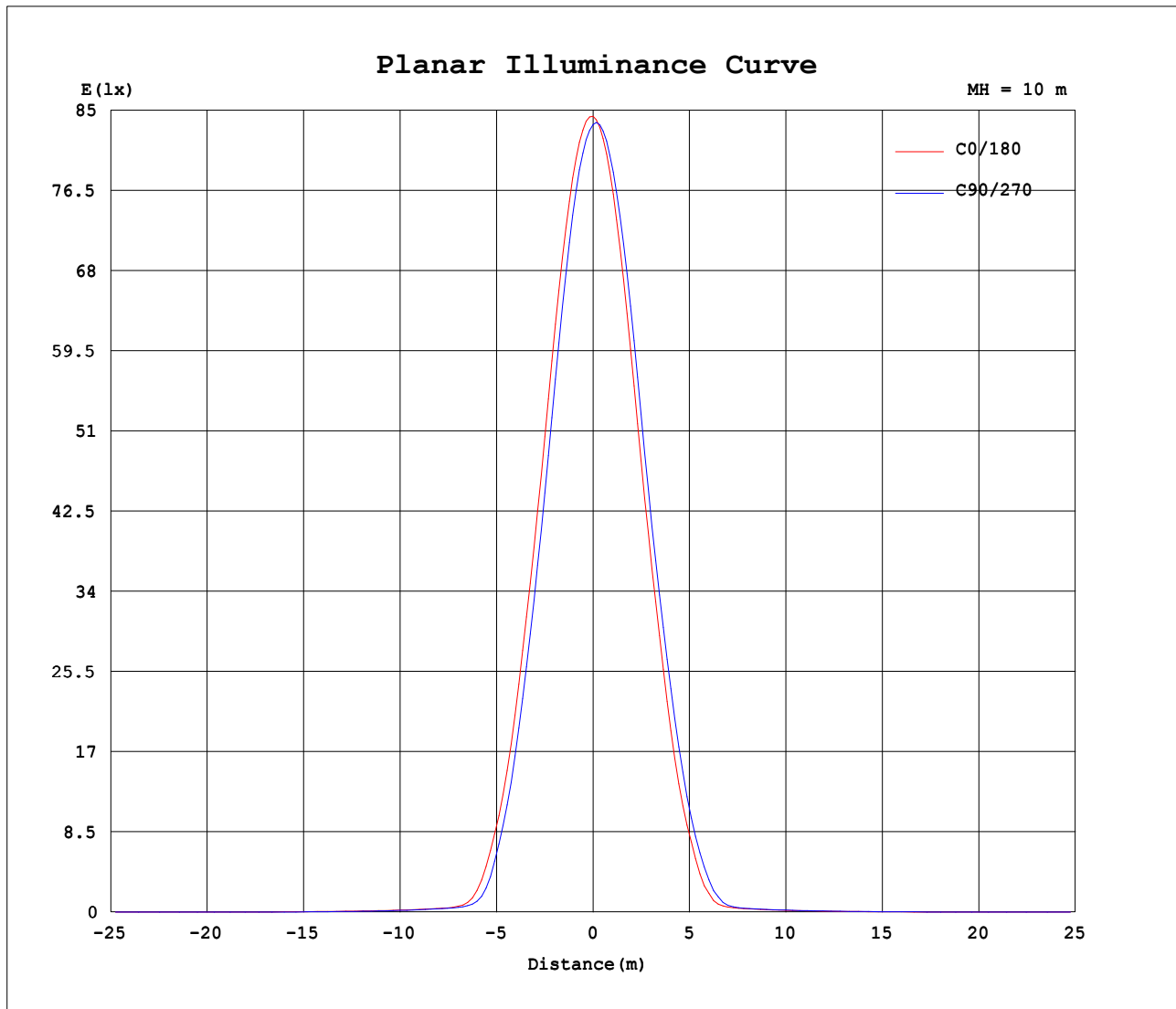
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 4183  |
| L_0~180 (75) av  | 1402  |
| L_0~180 (85) av  | 4503  |
| L_90~270 (65) av | 4259  |
| L_90~270 (75) av | 1598  |
| L_90~270 (85) av | 4639  |
| L_45 (65) av     | 4206  |
| L_45 (75) av     | 1523  |
| L_45 (85) av     | 4679  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-06-04

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:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: AE  
Test Date: 2020-06-04

$\gamma$  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:

```