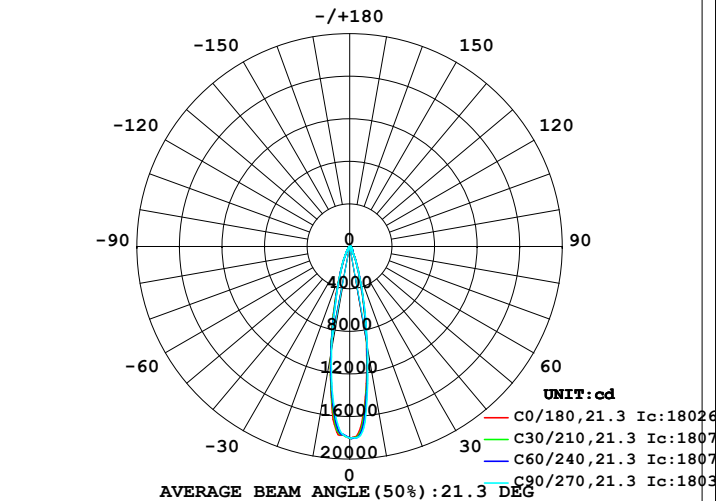


## LUMINAIRE PHOTOMETRIC TEST REPORT

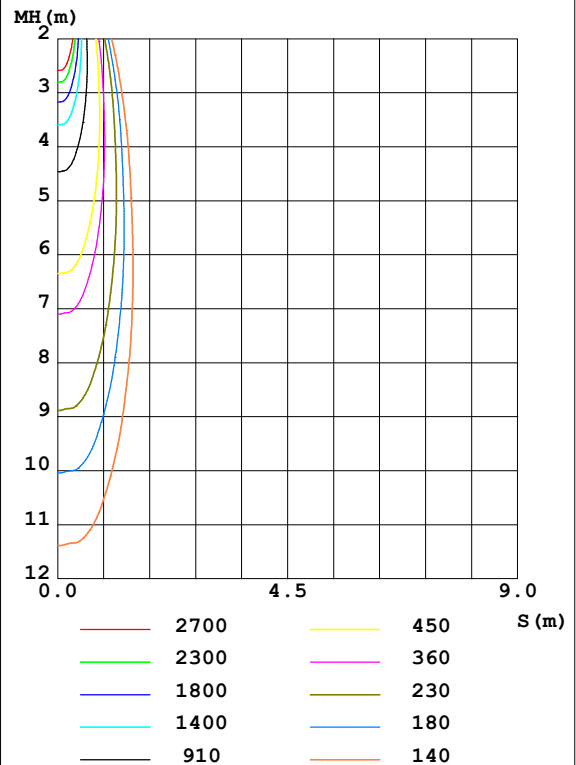
|  |  |         |  |                  |  |
|--|--|---------|--|------------------|--|
| Test:U:225.2V I:0.1840A P:40.10W PF:0.9660 Freq:0Hz Lamp Flux:3639.02x1 lm |  |         |  |                  |  |
| NAME: ALT85-40G30-S  |  | TYPE:   |  | WEIGHT:          |  |
| SPEC.:   |  | DIM.:   |  | SERIAL No.:      |  |
| MFR.:  |  | SUR.:75 |  | Shielding Angle: |  |

| DATA OF LAMP      |             | PHOTOMETRIC DATA      |        |                     |           | Eff: 90.75 lm/W |
|-------------------|-------------|-----------------------|--------|---------------------|-----------|-----------------|
| MODEL             | 3000K CRI90 | I <sub>max</sub> (cd) | 18091  | S/MH (C0/180)       | 0.38      |                 |
| NOMINAL POWER (W) | 40          | LOR (%)               | 100.0  | S/MH (C90/270)      | 0.37      |                 |
| RATED VOLTAGE (V) | 226         | TOTAL FLUX (lm)       | 3639.0 | η UP, DN (C0-180)   | 0.0, 49.2 |                 |
| NOMINAL FLUX (lm) | 3639.02     | CIE CLASS             | DIRECT | η UP, DN (C180-360) | 0.0, 50.8 |                 |
| LAMPS INSIDE      | 1           | η up (%)              | 0.0    | CIBSE SHR NOM       | 0.00      |                 |
| TEST VOLTAGE (V)  | 225.0       | η down (%)            | 100.0  | CIBSE SHR MAX       | 1.00      |                 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators: AE  
 Test Date: 2020-03-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 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       | 920.1                     | 942.9  | 963.1  | 1015   | 1033   | 1017   | 992.7  | 932.0  | 0- 10    | 1315        | 1315         | 36.1,36.1  |
| 20       | 231.4                     | 232.5  | 229.0  | 240.7  | 252.1  | 253.2  | 252.5  | 236.7  | 10- 20   | 1398        | 2713         | 74.6,74.6  |
| 30       | 60.42                     | 56.78  | 53.69  | 55.87  | 61.10  | 65.95  | 67.87  | 64.41  | 20- 30   | 578.0       | 3291         | 90.4,90.4  |
| 40       | 18.49                     | 17.20  | 16.59  | 16.88  | 18.22  | 19.62  | 20.38  | 19.68  | 30- 40   | 213.5       | 3505         | 96.3,96.3  |
| 50       | 6.186                     | 5.437  | 5.054  | 5.247  | 5.868  | 6.632  | 7.163  | 6.750  | 40- 50   | 85.29       | 3590         | 98.7,98.7  |
| 60       | 1.137                     | 1.150  | 1.362  | 1.551  | 1.574  | 1.427  | 1.443  | 1.230  | 50- 60   | 32.43       | 3623         | 99.5,99.5  |
| 70       | 0.6207                    | 0.5931 | 0.6245 | 0.5933 | 0.6499 | 0.6469 | 0.6602 | 0.6684 | 60- 70   | 8.689       | 3631         | 99.8,99.8  |
| 80       | 0.2776                    | 0.2791 | 0.3064 | 0.3077 | 0.3010 | 0.2846 | 0.2623 | 0.2587 | 70- 80   | 4.800       | 3636         | 99.9,99.9  |
| 90       | 0.3479                    | 0.3499 | 0.3511 | 0.3491 | 0.2167 | 0.2115 | 0.2069 | 0.2063 | 80- 90   | 2.959       | 3639         | 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: ×10cd |        |        |        |        |        |        |        |          | UNIT: lm    |              |            |

Conical surface Flux(90deg): 3557.4 lm

%lum = 97.8%

%lamp = 97.8%

Conical surface Flux(120deg): 3622.6 lm

%lum = 99.5%

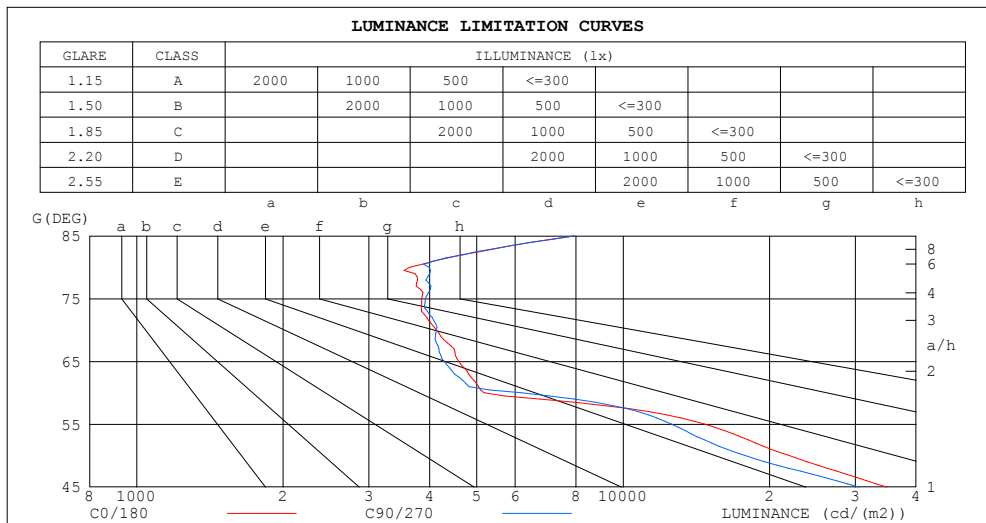
%lamp = 99.5%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators: AE  
 Test Date: 2020-03-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 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:0.1840A P:40.10W PF:0.9660 Freq:0Hz Lamp Flux:3639.02x1 lm |         |                  |
| NAME: ALT85-40G30-S  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:75 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 7931   | 7952    |
| 80                | 3641   | 3991    |
| 75                | 3856   | 3917    |
| 70                | 4134   | 4130    |
| 65                | 4596   | 4284    |
| 60                | 5177   | 6162    |
| 55                | 14715  | 12567   |
| 50                | 21920  | 17786   |
| 45                | 34848  | 30549   |

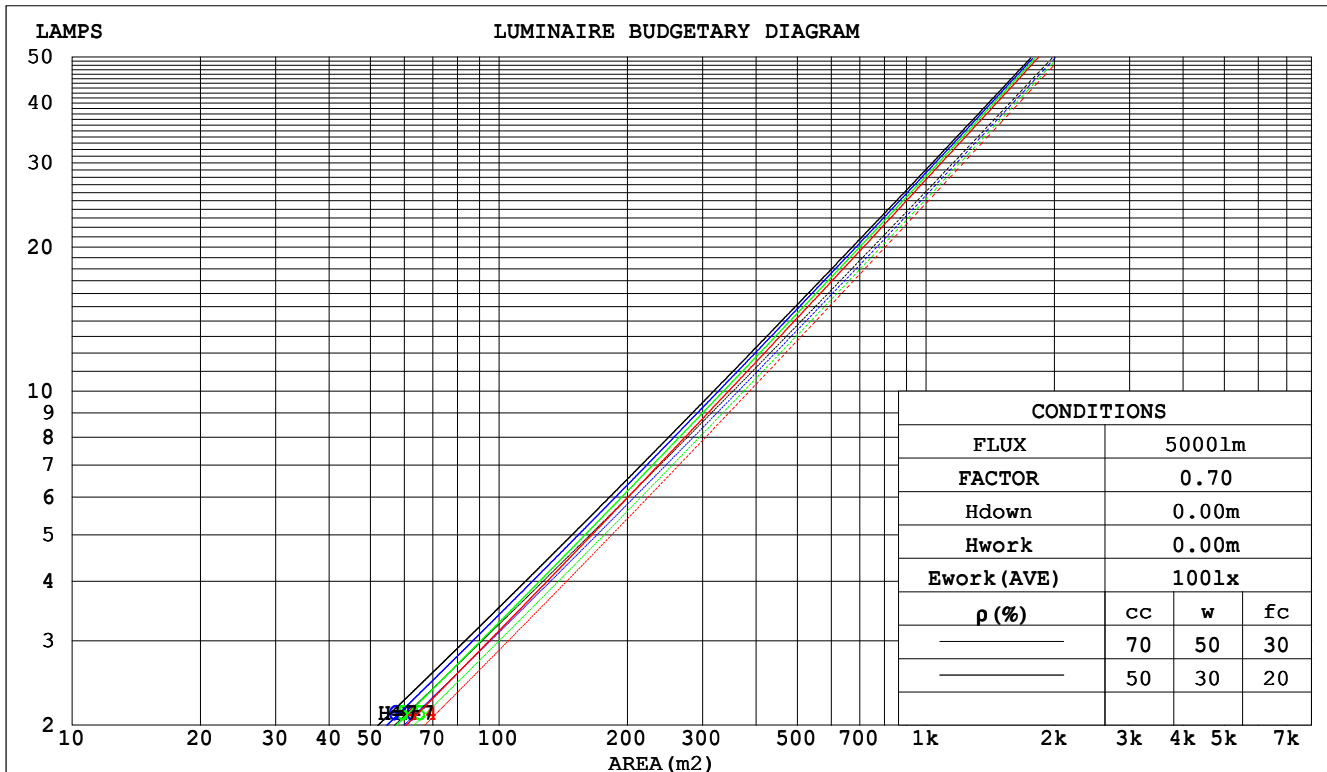
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
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:0.1840A P:40.10W PF:0.9660 Freq:0Hz Lamp Flux:3639.02x1 lm |         |                  |
| NAME: ALT85-40G30-S  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:75 | 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  | 1.13                  | 1.11 | 1.09 | 1.10 | 1.09 | 1.07 | 1.06                            | 1.05 | 1.04 | 1.03 | 1.02 | 1.01 | .99  | .99  | .98  | .96 |
| 2.0  | 1.07                  | 1.04 | 1.01 | 1.05 | 1.03 | 1.00 | 1.02                            | .00  | .98  | .99  | .98  | .96  | .97  | .95  | .94  | .92 |
| 3.0  | 1.02                  | .98  | .95  | 1.01 | .97  | .95  | .98                             | .95  | .93  | .96  | .94  | .92  | .94  | .92  | .90  | .89 |
| 4.0  | .98                   | .94  | .91  | .97  | .93  | .90  | .95                             | .92  | .89  | .93  | .90  | .88  | .91  | .89  | .87  | .86 |
| 5.0  | .94                   | .90  | .87  | .93  | .89  | .86  | .92                             | .88  | .85  | .90  | .87  | .85  | .89  | .86  | .84  | .83 |
| 6.0  | .91                   | .86  | .83  | .90  | .86  | .83  | .89                             | .85  | .82  | .87  | .84  | .82  | .86  | .83  | .81  | .80 |
| 7.0  | .88                   | .83  | .80  | .87  | .83  | .80  | .86                             | .82  | .80  | .85  | .82  | .79  | .84  | .81  | .79  | .78 |
| 8.0  | .85                   | .80  | .77  | .84  | .80  | .77  | .83                             | .80  | .77  | .82  | .79  | .77  | .82  | .79  | .76  | .75 |
| 9.0  | .82                   | .78  | .75  | .82  | .78  | .75  | .81                             | .77  | .75  | .80  | .77  | .74  | .79  | .76  | .74  | .73 |
| 10.0 | .80                   | .76  | .73  | .79  | .75  | .73  | .79                             | .75  | .73  | .78  | .75  | .72  | .77  | .74  | .72  | .71 |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-03-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 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:0.1840A P:40.10W PF:0.9660 Freq:0Hz Lamp Flux:3639.02x1 lm |  |  |         |  |                  |
| NAME: ALT85-40G30-S  |  |  | TYPE:   |  | WEIGHT:          |
| SPEC.:   |  |  | DIM.:   |  | SERIAL No.:      |
| MFR.:  |  |  | SUR.:75 |  | 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  | .143                  | .081 | .026 | .136 | .078 | .025 | .124                            | .071 | .023 | .112 | .065 | .021 | .102 | .059 | .019 |   |  |
| 2.0  | .133                  | .073 | .022 | .127 | .070 | .022 | .117                            | .065 | .020 | .108 | .060 | .019 | .099 | .056 | .018 |   |  |
| 3.0  | .124                  | .066 | .020 | .119 | .064 | .019 | .111                            | .060 | .018 | .103 | .056 | .017 | .095 | .053 | .016 |   |  |
| 4.0  | .116                  | .060 | .018 | .112 | .059 | .017 | .105                            | .056 | .017 | .098 | .053 | .016 | .092 | .050 | .015 |   |  |
| 5.0  | .110                  | .056 | .016 | .106 | .055 | .016 | .100                            | .052 | .015 | .094 | .050 | .015 | .089 | .048 | .014 |   |  |
| 6.0  | .104                  | .052 | .015 | .101 | .051 | .015 | .095                            | .049 | .014 | .090 | .047 | .014 | .086 | .045 | .013 |   |  |
| 7.0  | .098                  | .049 | .014 | .096 | .048 | .014 | .091                            | .046 | .013 | .087 | .045 | .013 | .083 | .043 | .013 |   |  |
| 8.0  | .094                  | .046 | .013 | .091 | .045 | .013 | .087                            | .044 | .012 | .084 | .042 | .012 | .080 | .041 | .012 |   |  |
| 9.0  | .089                  | .043 | .012 | .087 | .043 | .012 | .084                            | .041 | .012 | .080 | .040 | .012 | .077 | .039 | .011 |   |  |
| 10.0 | .086                  | .041 | .011 | .084 | .040 | .011 | .081                            | .039 | .011 | .078 | .039 | .011 | .075 | .038 | .011 |   |  |

| 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 | .148 | .144 | .135 | .127 | .099                                       | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .017 |   |
| 2.0  | .151                  | .133 | .117 | .129 | .114 | .101 | .089                                       | .079 | .071 | .051 | .046 | .041 | .016 | .015 | .014 |   |
| 3.0  | .136                  | .113 | .095 | .117 | .098 | .082 | .080                                       | .068 | .058 | .046 | .040 | .034 | .015 | .013 | .011 |   |
| 4.0  | .124                  | .098 | .078 | .106 | .085 | .068 | .073                                       | .059 | .048 | .042 | .035 | .028 | .014 | .011 | .009 |   |
| 5.0  | .114                  | .086 | .065 | .098 | .074 | .057 | .067                                       | .052 | .040 | .039 | .030 | .024 | .013 | .010 | .008 |   |
| 6.0  | .105                  | .076 | .055 | .090 | .066 | .048 | .062                                       | .046 | .034 | .036 | .027 | .020 | .012 | .009 | .007 |   |
| 7.0  | .097                  | .068 | .047 | .084 | .059 | .041 | .058                                       | .041 | .029 | .034 | .024 | .017 | .011 | .008 | .006 |   |
| 8.0  | .091                  | .061 | .040 | .078 | .053 | .035 | .054                                       | .037 | .025 | .032 | .022 | .015 | .010 | .007 | .005 |   |
| 9.0  | .085                  | .055 | .035 | .074 | .048 | .031 | .051                                       | .034 | .022 | .030 | .020 | .013 | .010 | .007 | .004 |   |
| 10.0 | .080                  | .051 | .031 | .069 | .044 | .027 | .048                                       | .031 | .019 | .028 | .018 | .011 | .009 | .006 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-11

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
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:0.1840A P:40.10W PF:0.9660 Freq:0Hz Lamp Flux:3639.02x1 lm |               |                  |      |      |      |               |                |                  |      |      |      |
| NAME: ALT85-40G30-S  |               |                  |      |      |      | TYPE:         |                | WEIGHT:          |      |      |      |
| SPEC.:   |               |                  |      |      |      | DIM.:         |                | SERIAL No.:      |      |      |      |
| MFR.:  |               |                  |      |      |      | SUR.:75       |                | 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  | 11.5          | 12.2             | 11.8 | 12.4 | 12.5 | 11.0          | 11.7           | 11.2             | 11.8 | 12.0 |      |
|  | 3H            | 11.5             | 12.1 | 11.7 | 12.3 | 12.5          | 10.9           | 11.6             | 11.2 | 11.7 | 11.9 |
|  | 4H            | 11.4             | 12.0 | 11.7 | 12.3 | 12.5          | 10.9           | 11.5             | 11.1 | 11.7 | 11.9 |
|  | 6H            | 11.4             | 12.0 | 11.7 | 12.2 | 12.4          | 10.9           | 11.4             | 11.1 | 11.7 | 11.9 |
|  | 8H            | 11.4             | 11.9 | 11.7 | 12.2 | 12.4          | 10.8           | 11.4             | 11.1 | 11.6 | 11.9 |
|  | 12H           | 11.4             | 11.9 | 11.7 | 12.2 | 12.4          | 10.9           | 11.4             | 11.2 | 11.7 | 11.9 |
| 4H   | 2H            | 11.4             | 12.0 | 11.6 | 12.2 | 12.4          | 10.8           | 11.4             | 11.1 | 11.6 | 11.9 |
|  | 3H            | 11.3             | 11.9 | 11.6 | 12.1 | 12.4          | 10.8           | 11.3             | 11.1 | 11.6 | 11.8 |
|  | 4H            | 11.3             | 11.8 | 11.6 | 12.1 | 12.4          | 10.8           | 11.3             | 11.1 | 11.5 | 11.8 |
|  | 6H            | 11.3             | 11.7 | 11.6 | 12.0 | 12.4          | 10.8           | 11.2             | 11.1 | 11.5 | 11.9 |
|  | 8H            | 11.3             | 11.7 | 11.6 | 12.0 | 12.4          | 10.8           | 11.2             | 11.1 | 11.5 | 11.9 |
|  | 12H           | 11.3             | 11.7 | 11.7 | 12.0 | 12.4          | 10.8           | 11.2             | 11.2 | 11.6 | 11.9 |
| 8H   | 4H            | 11.2             | 11.6 | 11.6 | 11.9 | 12.3          | 10.7           | 11.1             | 11.0 | 11.4 | 11.8 |
|  | 6H            | 11.2             | 11.5 | 11.6 | 11.9 | 12.3          | 10.7           | 11.0             | 11.1 | 11.4 | 11.8 |
|  | 8H            | 11.2             | 11.5 | 11.6 | 11.9 | 12.3          | 10.7           | 11.0             | 11.2 | 11.4 | 11.9 |
|  | 12H           | 11.3             | 11.6 | 11.8 | 12.0 | 12.5          | 10.8           | 11.1             | 11.3 | 11.5 | 12.0 |
| 12H  | 4H            | 11.1             | 11.5 | 11.5 | 11.9 | 12.3          | 10.6           | 11.0             | 11.0 | 11.3 | 11.7 |
|  | 6H            | 11.1             | 11.4 | 11.6 | 11.8 | 12.3          | 10.6           | 10.9             | 11.1 | 11.3 | 11.8 |
|  | 8H            | 11.2             | 11.4 | 11.6 | 11.9 | 12.3          | 10.7           | 11.0             | 11.2 | 11.4 | 11.9 |
| Variations with the observer position at spacings:                         |               |                  |      |      |      |               |                |                  |      |      |      |
| S = 1.0H   | + 2.4 / - 4.3 |                  |      |      |      | + 2.1 / - 4.2 |                |                  |      |      |      |
| 1.5H   | + 3.6 / - 3.2 |                  |      |      |      | + 3.4 / - 2.9 |                |                  |      |      |      |
| 2.0H   | + 4.3 / - 4.3 |                  |      |      |      | + 4.0 / - 3.8 |                |                  |      |      |      |

CIE Pub.117, 3639 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.5)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-11

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
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:0.1840A P:40.10W PF:0.9660 Freq:0Hz Lamp Flux:3639.02x1 lm |         |                  |
| NAME: ALT85-40G30-S  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:75 | Shielding Angle: |

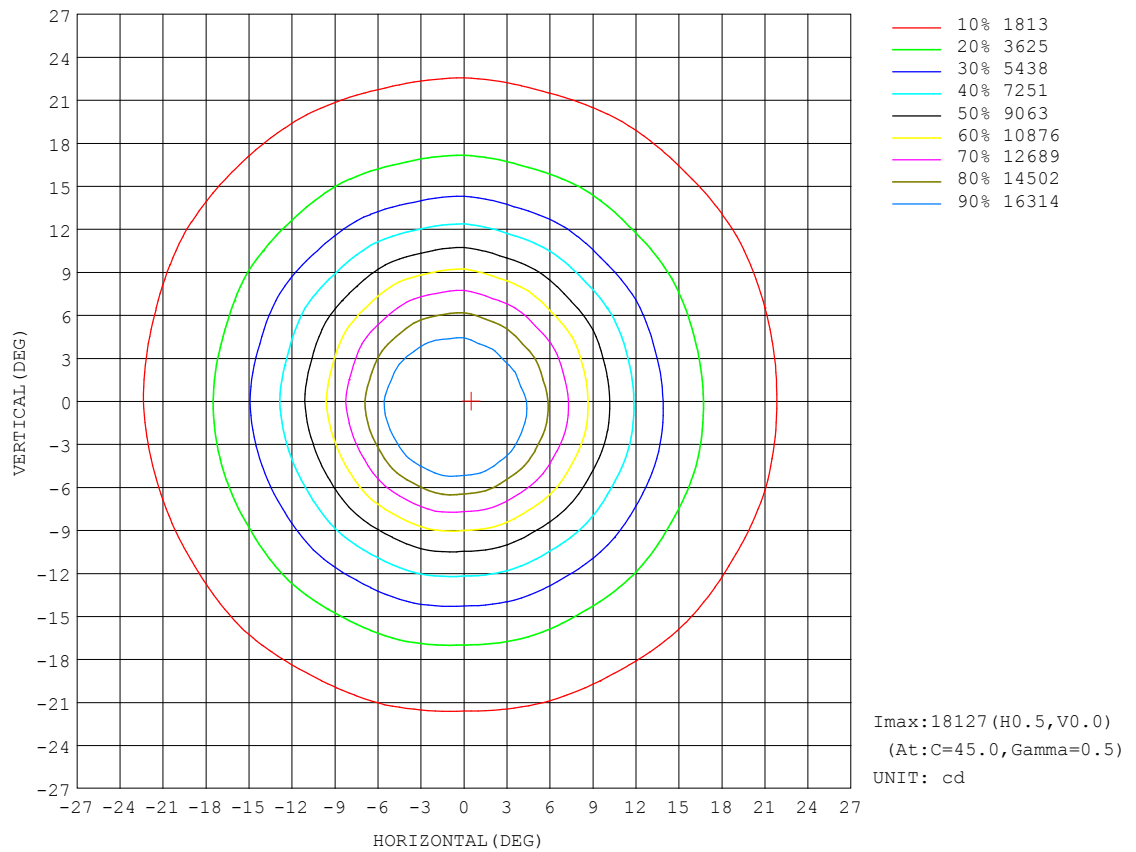
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 89   | 83  | 80        | 89  | 83  | 80  | 88  | 83            | 79  | 76     |
| 0.80                             | 96   | 91  | 87        | 96  | 91  | 87  | 95  | 90            | 87  | 83     |
| 1.00                             | 101  | 95  | 92        | 100 | 95  | 92  | 98  | 95            | 91  | 87     |
| 1.25                             | 104  | 99  | 96        | 103 | 99  | 96  | 101 | 98            | 95  | 91     |
| 1.50                             | 107  | 102 | 99        | 106 | 102 | 99  | 103 | 100           | 98  | 93     |
| 2.00                             | 109  | 105 | 102       | 108 | 104 | 101 | 105 | 102           | 100 | 95     |
| 2.50                             | 111  | 107 | 104       | 109 | 106 | 103 | 106 | 104           | 102 | 96     |
| 3.00                             | 112  | 109 | 106       | 110 | 108 | 105 | 107 | 105           | 103 | 97     |
| 4.00                             | 114  | 112 | 109       | 112 | 110 | 108 | 109 | 107           | 105 | 98     |
| 5.00                             | 115  | 113 | 112       | 113 | 111 | 110 | 109 | 108           | 107 | 99     |
| 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: MEDIUM  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
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:0.1840A P:40.10W PF:0.9660 Freq:0Hz Lamp Flux:3639.02x1 lm |         |                  |
| NAME: ALT85-40G30-S  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:75 | Shielding Angle: |



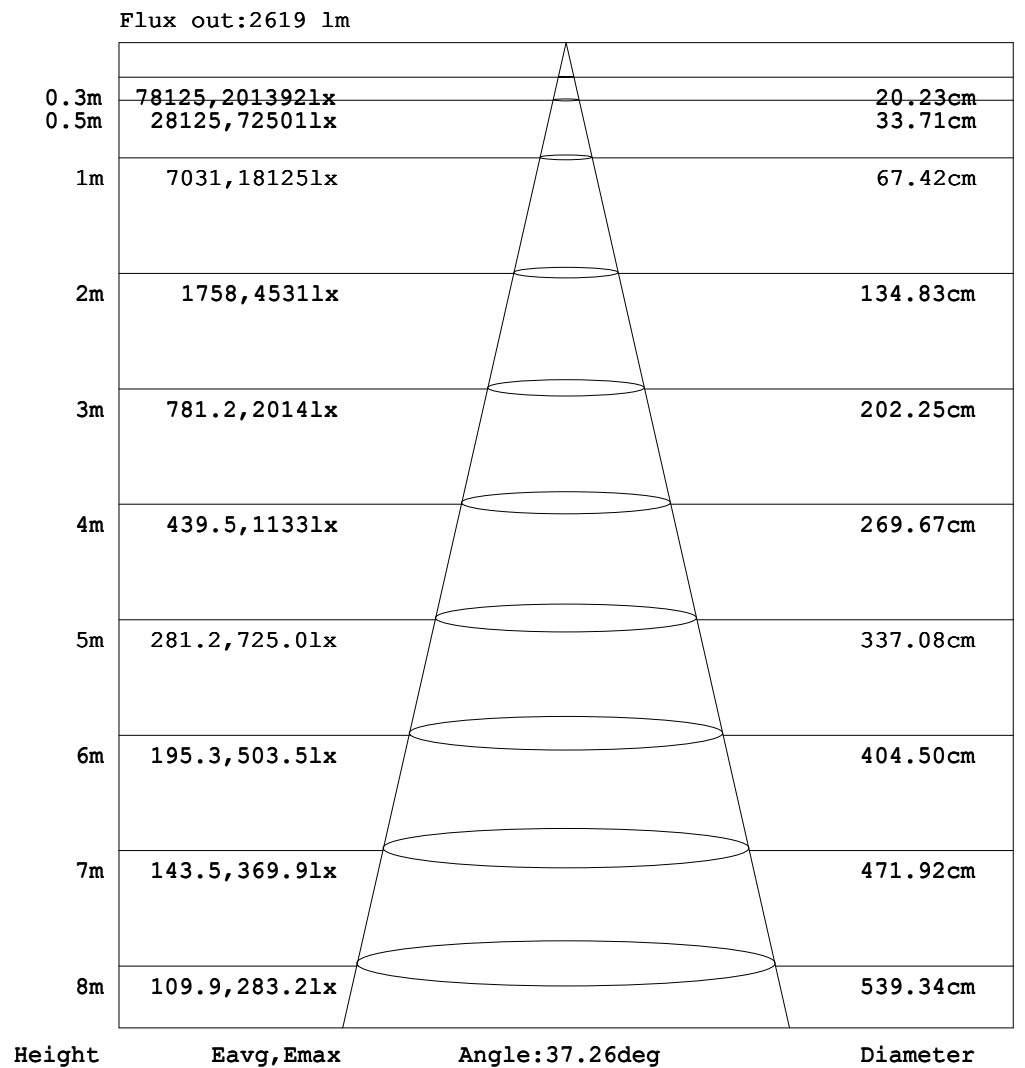
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-11

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
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:0.1840A P:40.10W PF:0.9660 Freq:0Hz Lamp Flux:3639.02x1 lm |         |                  |
| NAME: ALT85-40G30-S  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:75 | Shielding Angle: |



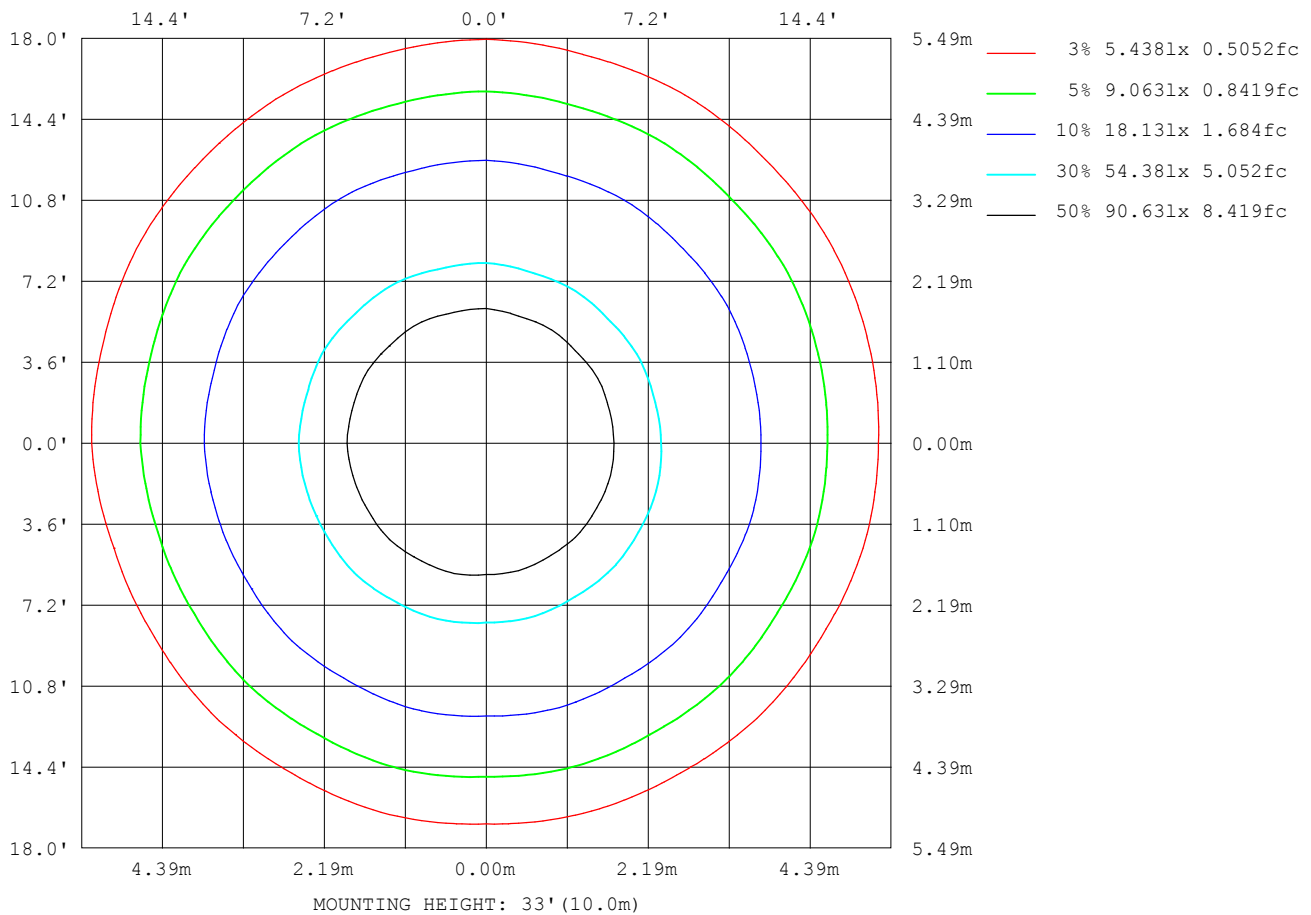
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-11

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
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:0.1840A P:40.10W PF:0.9660 Freq:0Hz Lamp Flux:3639.02x1 lm |         |                  |
| NAME: ALT85-40G30-S  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:75 | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-11

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
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:0.1840A P:40.10W PF:0.9660 Freq:0Hz Lamp Flux:3639.02x1 lm |         |                  |
| NAME: ALT85-40G30-S  | TYPE:   | WEIGHT:          |
| SPEC.:   | DIM.:   | SERIAL No.:      |
| MFR.:  | SUR.:75 | Shielding Angle: |

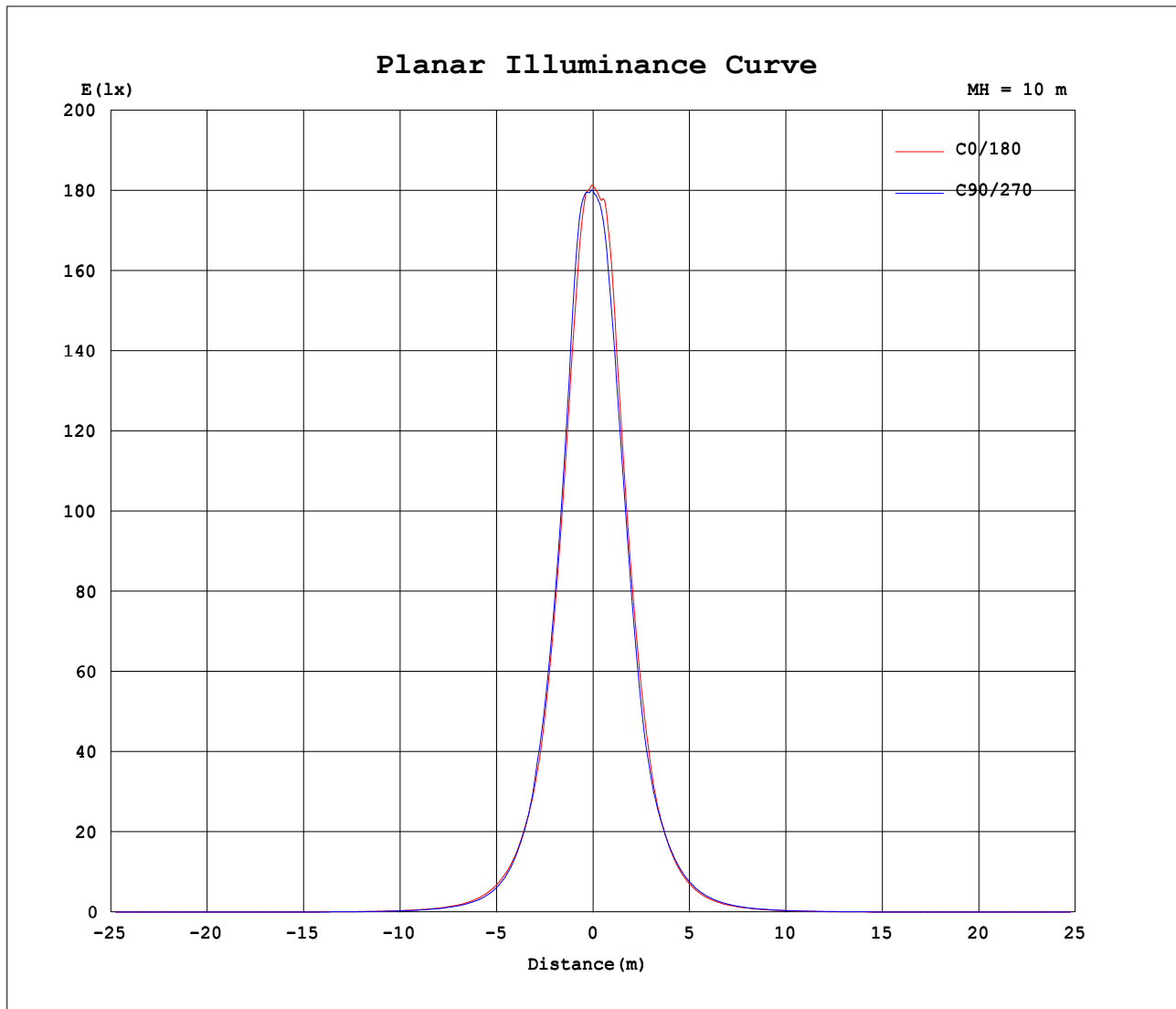
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 4646  |
| L_0~180 (75) av  | 4022  |
| L_0~180 (85) av  | 7012  |
| L_90~270 (65) av | 4592  |
| L_90~270 (75) av | 3985  |
| L_90~270 (85) av | 6914  |
| L_45 (65) av     | 4526  |
| L_45 (75) av     | 3947  |
| L_45 (85) av     | 7021  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-03-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 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: MEDIUM  
Temperature: 25.3DEG  
Operators: AE  
Test Date: 2020-03-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
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: 0.5DEG  
 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: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks: