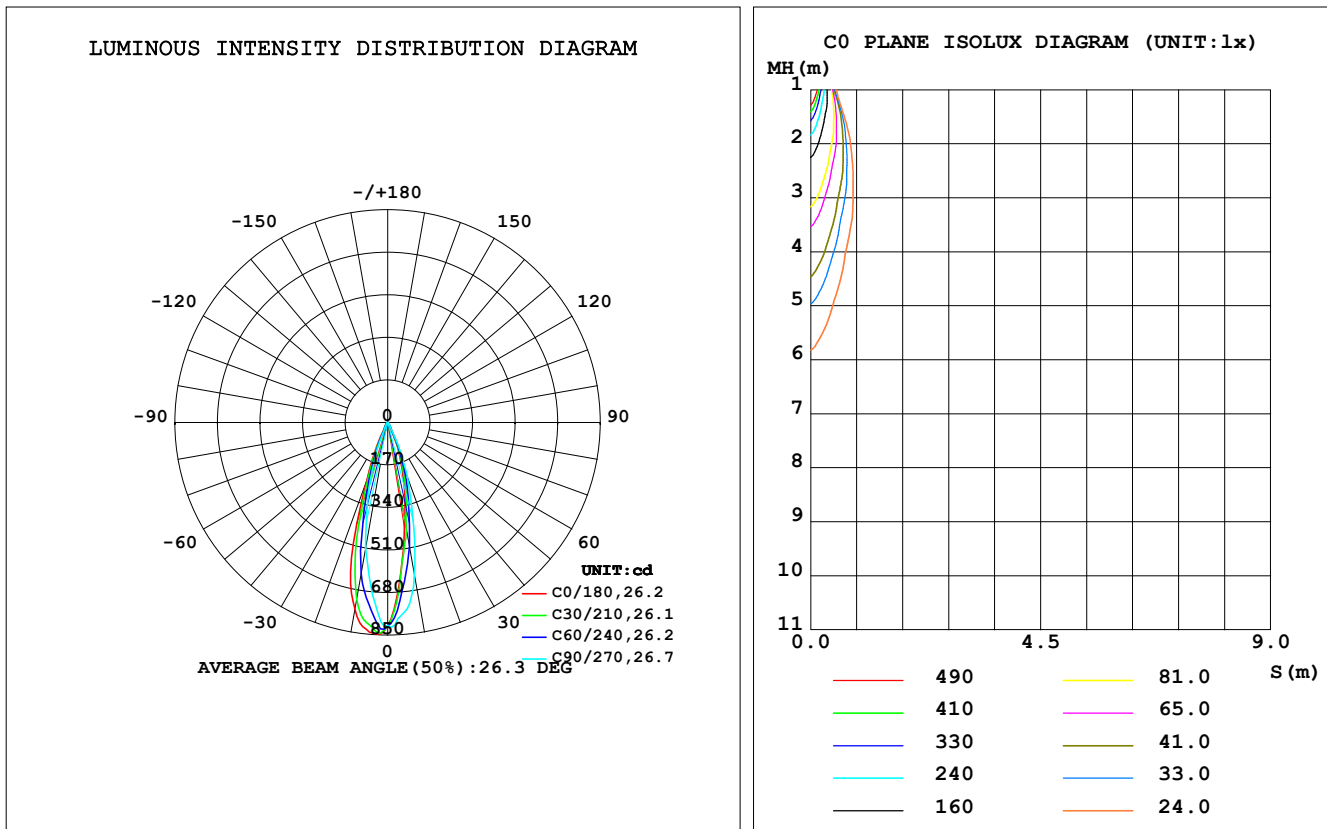


LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                                |  |              |  |                  |  |
|------------------------------------------------------------------------------------------------|--|--------------|--|------------------|--|
| Test:U:2.8800V I:0.5070A P:1.4600W PF:1.0000 Freq:0Hz UTHDi:0% ITHDi:0% Lamp Flux:222.752x1 lm |  |              |  |                  |  |
| NAME: 600-034                                                                                  |  | TYPE:        |  | WEIGHT:          |  |
| SPEC.: 5000K                                                                                   |  | DIM.:        |  | SERIAL No.: 1    |  |
| MFR.: EVERFINE                                                                                 |  | SUR.: 0.2543 |  | Shielding Angle: |  |

| DATA OF LAMP      |         | PHOTOMETRIC DATA      |        |                     |           | Eff: 152.57 lm/W |
|-------------------|---------|-----------------------|--------|---------------------|-----------|------------------|
| MODEL             | 600-034 | I <sub>max</sub> (cd) | 846.9  | S/MH (C0/180)       | 0.51      |                  |
| NOMINAL POWER (W) | 1.46    | LOR (%)               | 100.0  | S/MH (C90/270)      | 0.41      |                  |
| RATED VOLTAGE (V) | 2.88    | TOTAL FLUX (lm)       | 222.75 | η UP, DN (C0-180)   | 0.0, 53.2 |                  |
| NOMINAL FLUX (lm) | 222.752 | CIE CLASS             | DIRECT | η UP, DN (C180-360) | 0.0, 46.8 |                  |
| LAMPS INSIDE      | 1       | η up (%)              | 0.0    | CIBSE SHR NOM       | 0.00      |                  |
| TEST VOLTAGE (V)  | 2.88    | η down (%)            | 100.0  | CIBSE SHR MAX       | 1.00      |                  |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-04-27

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.426  
Humidity: 65.0%  
Test Distance: 8.690m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

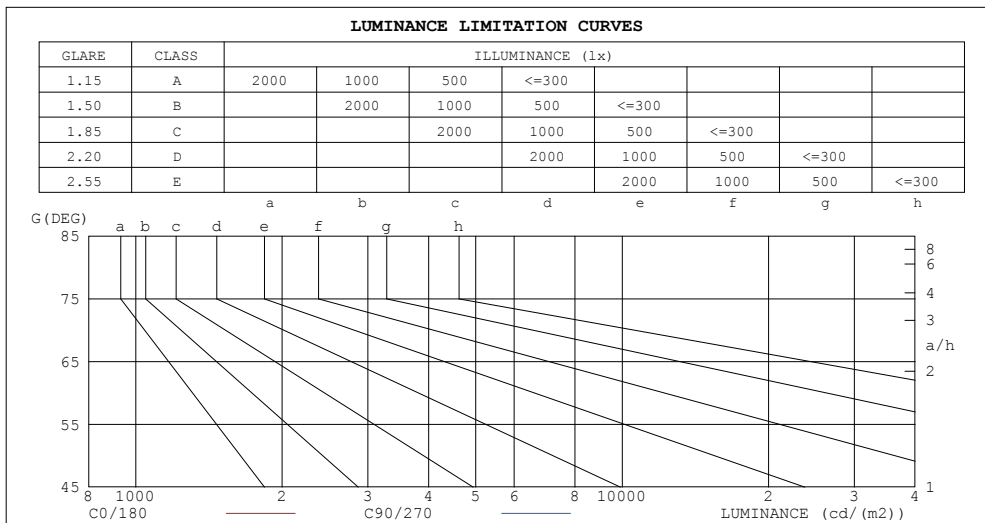
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 390.8                 | 458.3  | 616.8  | 737.8  | 758.0  | 671.4  | 508.1  | 398.5  | 0- 10    | 64.05       | 64.05        | 28.8,28.8  |
| 20       | 140.2                 | 167.0  | 228.5  | 271.1  | 241.6  | 199.0  | 150.6  | 138.2  | 10- 20   | 101.8       | 165.9        | 74.5,74.5  |
| 30       | 23.45                 | 24.99  | 27.56  | 34.10  | 32.73  | 24.26  | 21.26  | 20.80  | 20- 30   | 37.15       | 203.0        | 91.1,91.1  |
| 40       | 8.562                 | 9.655  | 10.99  | 14.17  | 14.49  | 11.30  | 9.552  | 8.114  | 30- 40   | 10.20       | 213.2        | 95.7,95.7  |
| 50       | 3.664                 | 4.137  | 4.628  | 5.030  | 4.944  | 4.053  | 3.453  | 3.305  | 40- 50   | 5.508       | 218.7        | 98.2,98.2  |
| 60       | 1.602                 | 1.698  | 1.696  | 1.585  | 1.787  | 1.669  | 1.470  | 1.488  | 50- 60   | 2.313       | 221.0        | 99.2,99.2  |
| 70       | 0.8226                | 0.8270 | 0.8359 | 0.7612 | 0.8156 | 0.7907 | 0.6667 | 0.7378 | 60- 70   | 1.158       | 222.2        | 99.8,99.8  |
| 80       | 0.2500                | 0.2237 | 0.2807 | 0.2120 | 0.2113 | 0.2118 | 0.1184 | 0.2003 | 70- 80   | 0.4886      | 222.7        | 100,100    |
| 90       | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 80- 90   | 0.0641      | 222.8        | 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     |              |            |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.426  
Humidity:65.0%  
Test Distance:8.690m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                                |              |                  |
|------------------------------------------------------------------------------------------------|--------------|------------------|
| Test:U:2.8800V I:0.5070A P:1.4600W PF:1.0000 Freq:0Hz UTHDi:0% ITHDi:0% Lamp Flux:222.752x1 lm |              |                  |
| NAME: 600-034                                                                                  | TYPE:        | WEIGHT:          |
| SPEC.: 5000K                                                                                   | DIM.:        | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                                 | SUR.: 0.2543 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 3      | 4       |
| 80                | 6      | 6       |
| 75                | 8      | 8       |
| 70                | 9      | 10      |
| 65                | 11     | 11      |
| 60                | 13     | 13      |
| 55                | 16     | 19      |
| 50                | 22     | 28      |
| 45                | 32     | 43      |

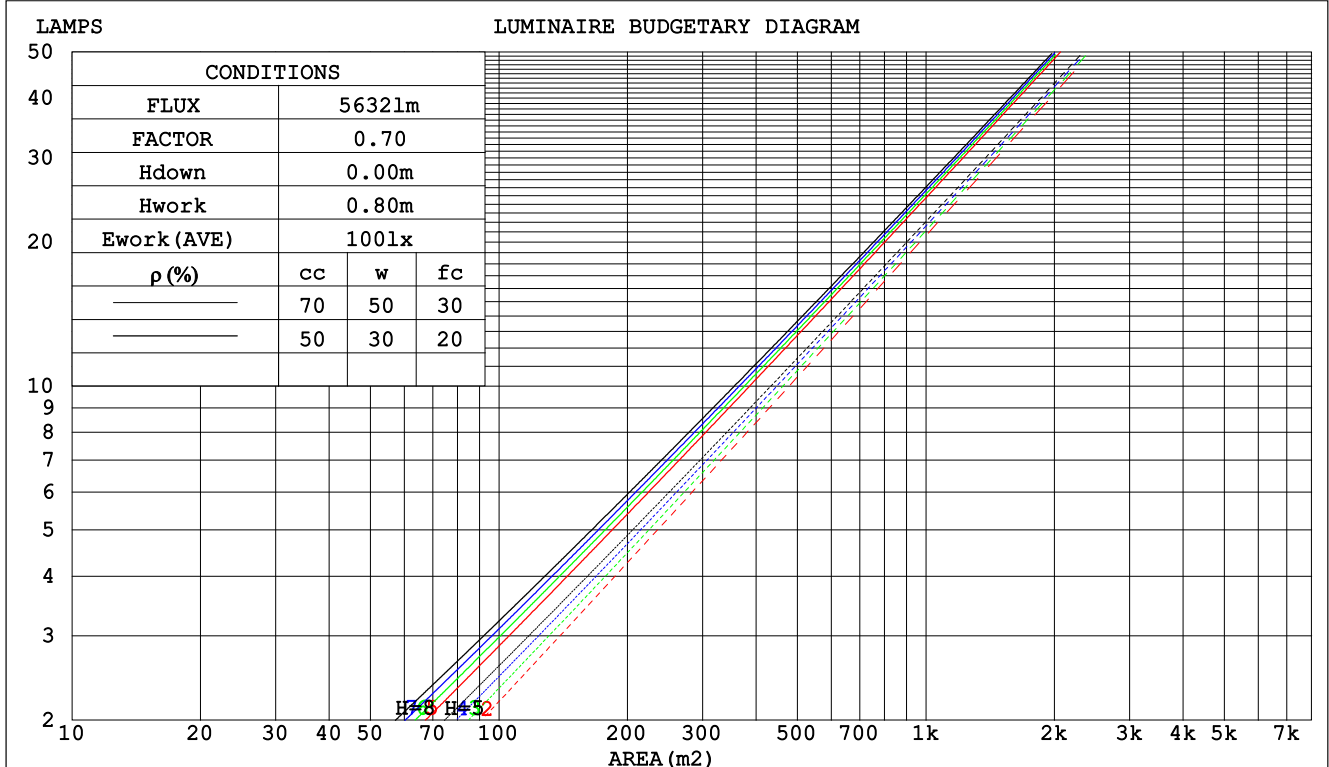
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-04-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.426  
Humidity: 65.0%  
Test Distance: 8.690m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                                |              |                  |
|------------------------------------------------------------------------------------------------|--------------|------------------|
| Test:U:2.8800V I:0.5070A P:1.4600W PF:1.0000 Freq:0Hz UTHDi:0% ITHDi:0% Lamp Flux:222.752x1 lm |              |                  |
| NAME: 600-034                                                                                  | TYPE:        | WEIGHT:          |
| SPEC.: 5000K                                                                                   | DIM.:        | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                                 | SUR.: 0.2543 | 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  | 1.12                  | 1.10 | 1.08 | 1.10 | 1.08 | 1.07 | 1.06                            | 1.05 | 1.03 | 1.03 | 1.01 | 1.00 | .99  | .98  | .98  | .96  |
| 2.0  | 1.07                  | 1.03 | 1.01 | 1.05 | 1.02 | .99  | 1.02                            | .99  | .97  | .99  | .97  | .95  | .96  | .95  | .93  | .92  |
| 3.0  | 1.01                  | .98  | .94  | 1.00 | .97  | .94  | .98                             | .95  | .92  | .95  | .93  | .91  | .93  | .91  | .89  | .88  |
| 4.0  | .97                   | .93  | .89  | .96  | .92  | .89  | .94                             | .90  | .88  | .92  | .89  | .87  | .90  | .88  | .86  | .85  |
| 5.0  | .93                   | .88  | .85  | .92  | .88  | .85  | .90                             | .87  | .84  | .89  | .86  | .83  | .87  | .85  | .83  | .81  |
| 6.0  | .89                   | .85  | .81  | .89  | .84  | .81  | .87                             | .83  | .81  | .86  | .83  | .80  | .85  | .82  | .80  | .79  |
| 7.0  | .86                   | .81  | .78  | .85  | .81  | .78  | .84                             | .80  | .78  | .83  | .80  | .77  | .82  | .79  | .77  | .76  |
| 8.0  | .83                   | .78  | .75  | .82  | .78  | .75  | .82                             | .78  | .75  | .81  | .77  | .75  | .80  | .77  | .74  | .73  |
| 9.0  | .80                   | .76  | .73  | .80  | .76  | .73  | .79                             | .75  | .72  | .78  | .75  | .72  | .77  | .74  | .72  | .71  |
| 10.0 | .78                   | .73  | .70  | .77  | .73  | .70  | .77                             | .73  | .70  | .76  | .72  | .70  | .75  | .72  | .70  | .69  |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-27

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.426  
Humidity:65.0%  
Test Distance:8.690m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                                                                |              |                  |
|------------------------------------------------------------------------------------------------|--------------|------------------|
| Test:U:2.8800V I:0.5070A P:1.4600W PF:1.0000 Freq:0Hz UTHDi:0% ITHDi:0% Lamp Flux:222.752x1 lm |              |                  |
| NAME: 600-034                                                                                  | TYPE:        | WEIGHT:          |
| SPEC.: 5000K                                                                                   | DIM.:        | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                                 | SUR.: 0.2543 | 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  | .147                  | .084 | .026 | .140 | .080 | .025 | .128                            | .073 | .023 | .117 | .067 | .022 | .106 | .061 | .020 |   |
| 2.0  | .137                  | .075 | .023 | .132 | .073 | .022 | .122                            | .068 | .021 | .112 | .063 | .020 | .103 | .058 | .018 |   |
| 3.0  | .129                  | .068 | .020 | .124 | .066 | .020 | .115                            | .062 | .019 | .107 | .059 | .018 | .100 | .055 | .017 |   |
| 4.0  | .121                  | .063 | .018 | .117 | .061 | .018 | .110                            | .058 | .017 | .103 | .055 | .017 | .096 | .052 | .016 |   |
| 5.0  | .114                  | .058 | .017 | .111 | .057 | .017 | .104                            | .054 | .016 | .099 | .052 | .015 | .093 | .050 | .015 |   |
| 6.0  | .108                  | .054 | .015 | .105 | .053 | .015 | .100                            | .051 | .015 | .095 | .049 | .014 | .090 | .047 | .014 |   |
| 7.0  | .103                  | .051 | .014 | .100 | .050 | .014 | .095                            | .048 | .014 | .091 | .047 | .014 | .087 | .045 | .013 |   |
| 8.0  | .098                  | .048 | .013 | .096 | .047 | .013 | .091                            | .046 | .013 | .087 | .044 | .013 | .084 | .043 | .013 |   |
| 9.0  | .093                  | .045 | .013 | .092 | .045 | .013 | .088                            | .043 | .012 | .084 | .042 | .012 | .081 | .041 | .012 |   |
| 10.0 | .090                  | .043 | .012 | .088 | .042 | .012 | .084                            | .041 | .012 | .081 | .040 | .011 | .078 | .039 | .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 | .147 | .145 | .135 | .127 | .099                                       | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .016 |   |  |
| 2.0  | .152                  | .133 | .117 | .130 | .114 | .101 | .089                                       | .079 | .070 | .051 | .046 | .041 | .016 | .015 | .013 |   |  |
| 3.0  | .137                  | .113 | .094 | .118 | .098 | .082 | .081                                       | .068 | .057 | .047 | .040 | .034 | .015 | .013 | .011 |   |  |
| 4.0  | .125                  | .098 | .077 | .107 | .085 | .067 | .074                                       | .059 | .047 | .043 | .035 | .028 | .014 | .011 | .009 |   |  |
| 5.0  | .115                  | .086 | .064 | .099 | .074 | .056 | .068                                       | .052 | .040 | .039 | .031 | .023 | .013 | .010 | .008 |   |  |
| 6.0  | .106                  | .076 | .054 | .091 | .066 | .047 | .063                                       | .046 | .033 | .037 | .027 | .020 | .012 | .009 | .007 |   |  |
| 7.0  | .099                  | .068 | .046 | .085 | .059 | .040 | .059                                       | .041 | .029 | .034 | .024 | .017 | .011 | .008 | .006 |   |  |
| 8.0  | .093                  | .061 | .040 | .080 | .053 | .035 | .055                                       | .037 | .025 | .032 | .022 | .015 | .010 | .007 | .005 |   |  |
| 9.0  | .087                  | .056 | .035 | .075 | .048 | .030 | .052                                       | .034 | .021 | .030 | .020 | .013 | .010 | .007 | .004 |   |  |
| 10.0 | .082                  | .051 | .030 | .071 | .044 | .027 | .049                                       | .031 | .019 | .029 | .018 | .011 | .009 | .006 | .004 |   |  |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-27

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.426  
Humidity:65.0%  
Test Distance:8.690m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                                |               |                  |      |      |              |                |      |                  |      |      |      |
|------------------------------------------------------------------------------------------------|---------------|------------------|------|------|--------------|----------------|------|------------------|------|------|------|
| Test:U:2.8800V I:0.5070A P:1.4600W PF:1.0000 Freq:0Hz UTHDi:0% ITHDi:0% Lamp Flux:222.752x1 lm |               |                  |      |      |              |                |      |                  |      |      |      |
| NAME: 600-034                                                                                  |               |                  |      |      | TYPE:        |                |      | WEIGHT:          |      |      |      |
| SPEC.: 5000K                                                                                   |               |                  |      |      | DIM.:        |                |      | SERIAL No.: 1    |      |      |      |
| MFR.: EVERFINE                                                                                 |               |                  |      |      | SUR.: 0.2543 |                |      | 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                                                                                  |               | -8.8             | -8.0 | -8.5 | -7.9         | -7.7           | -7.7 | -7.0             | -7.5 | -6.8 | -6.7 |
|                                                                                                | 3H            | -8.5             | -7.8 | -8.2 | -7.6         | -7.4           | -7.5 | -6.8             | -7.2 | -6.6 | -6.4 |
|                                                                                                | 4H            | -8.4             | -7.7 | -8.1 | -7.5         | -7.3           | -7.4 | -6.8             | -7.1 | -6.6 | -6.4 |
|                                                                                                | 6H            | -8.3             | -7.7 | -8.1 | -7.5         | -7.3           | -7.4 | -6.8             | -7.1 | -6.6 | -6.3 |
|                                                                                                | 8H            | -8.4             | -7.8 | -8.1 | -7.5         | -7.3           | -7.4 | -6.8             | -7.1 | -6.6 | -6.3 |
|                                                                                                | 12H           | -8.4             | -7.8 | -8.1 | -7.6         | -7.3           | -7.4 | -6.9             | -7.1 | -6.6 | -6.4 |
| 4H                                                                                             | 2H            | -8.6             | -8.0 | -8.4 | -7.8         | -7.6           | -7.7 | -7.0             | -7.4 | -6.8 | -6.6 |
|                                                                                                | 3H            | -8.2             | -7.7 | -7.9 | -7.4         | -7.1           | -7.3 | -6.8             | -7.0 | -6.5 | -6.3 |
|                                                                                                | 4H            | -8.1             | -7.6 | -7.7 | -7.3         | -7.0           | -7.2 | -6.7             | -6.9 | -6.4 | -6.1 |
|                                                                                                | 6H            | -8.0             | -7.6 | -7.7 | -7.3         | -6.9           | -7.2 | -6.7             | -6.8 | -6.4 | -6.1 |
|                                                                                                | 8H            | -8.1             | -7.6 | -7.7 | -7.3         | -6.9           | -7.2 | -6.8             | -6.8 | -6.4 | -6.1 |
|                                                                                                | 12H           | -8.1             | -7.7 | -7.7 | -7.3         | -7.0           | -7.2 | -6.9             | -6.8 | -6.5 | -6.1 |
| 8H                                                                                             | 4H            | -8.1             | -7.7 | -7.7 | -7.3         | -7.0           | -7.3 | -6.8             | -6.9 | -6.5 | -6.1 |
|                                                                                                | 6H            | -8.0             | -7.7 | -7.6 | -7.3         | -6.9           | -7.2 | -6.8             | -6.8 | -6.5 | -6.0 |
|                                                                                                | 8H            | -8.0             | -7.7 | -7.6 | -7.3         | -6.8           | -7.2 | -6.9             | -6.7 | -6.5 | -6.0 |
|                                                                                                | 12H           | -8.1             | -7.8 | -7.6 | -7.3         | -6.9           | -7.2 | -7.0             | -6.8 | -6.5 | -6.1 |
| 12H                                                                                            | 4H            | -8.1             | -7.7 | -7.7 | -7.4         | -7.0           | -7.3 | -6.9             | -6.9 | -6.6 | -6.2 |
|                                                                                                | 6H            | -8.0             | -7.7 | -7.6 | -7.3         | -6.9           | -7.2 | -6.9             | -6.8 | -6.5 | -6.1 |
|                                                                                                | 8H            | -8.0             | -7.8 | -7.6 | -7.3         | -6.9           | -7.2 | -7.0             | -6.8 | -6.5 | -6.1 |
| Variations with the observer position at spacings(CIE Pub.117):                                |               |                  |      |      |              |                |      |                  |      |      |      |
| S = 1.0H                                                                                       | + 1.3 / - 1.8 |                  |      |      |              | + 1.4 / - 1.9  |      |                  |      |      |      |
| 1.5H                                                                                           | + 1.4 / - 1.5 |                  |      |      |              | + 2.1 / - 1.9  |      |                  |      |      |      |
| 2.0H                                                                                           | + 2.5 / - 1.5 |                  |      |      |              | + 3.3 / - 2.0  |      |                  |      |      |      |

CIE Pub.117, 222.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -5.2)  
Area: 0.2543 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-27

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.426  
Humidity:65.0%  
Test Distance:8.690m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                                |              |                  |
|------------------------------------------------------------------------------------------------|--------------|------------------|
| Test:U:2.8800V I:0.5070A P:1.4600W PF:1.0000 Freq:0Hz UTHDi:0% ITHDi:0% Lamp Flux:222.752x1 lm |              |                  |
| NAME: 600-034                                                                                  | TYPE:        | WEIGHT:          |
| SPEC.: 5000K                                                                                   | DIM.:        | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                                 | SUR.: 0.2543 | Shielding Angle: |

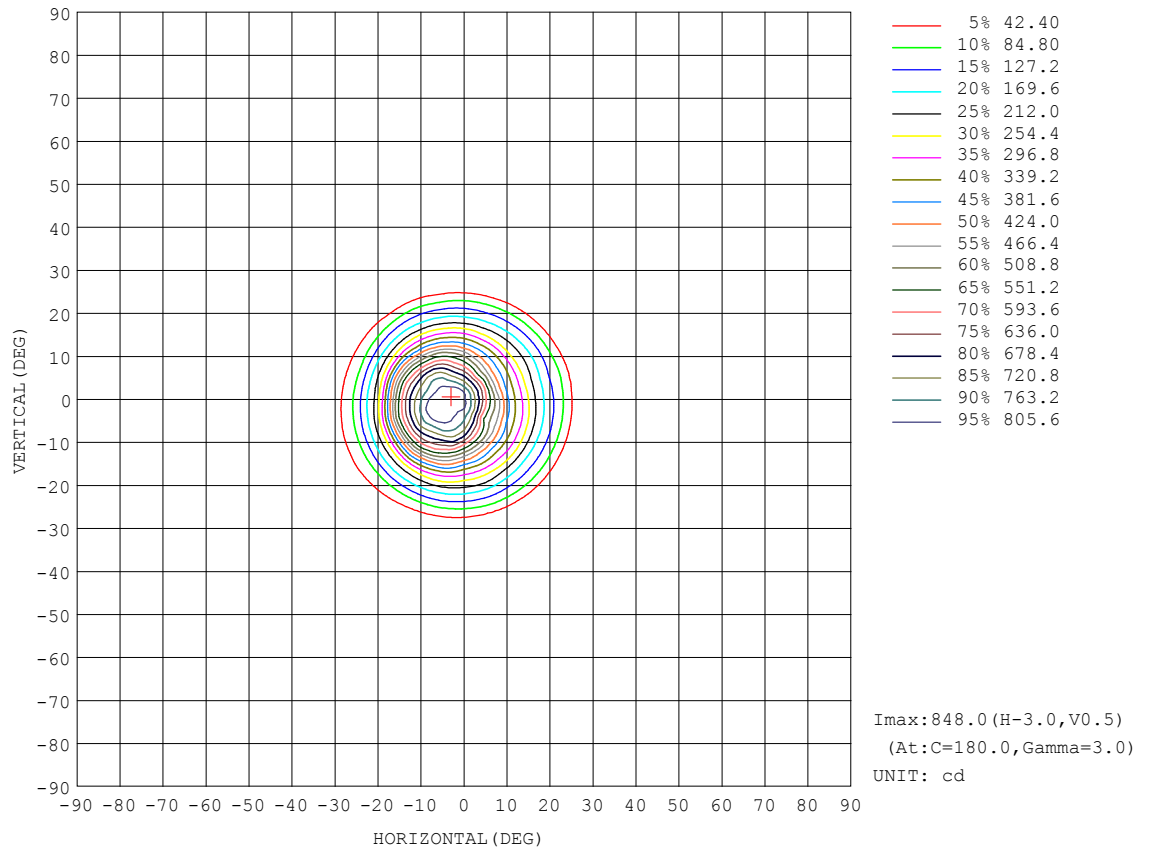
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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  | 79        | 88  | 83  | 79  | 88  | 82            | 79  | 76     |
| 0.80                             | 96                                                   | 91  | 87        | 95  | 90  | 87  | 94  | 90            | 86  | 83     |
| 1.00                             | 100                                                  | 95  | 91        | 99  | 94  | 91  | 98  | 94            | 91  | 87     |
| 1.25                             | 104                                                  | 99  | 96        | 103 | 99  | 95  | 101 | 97            | 95  | 91     |
| 1.50                             | 107                                                  | 102 | 99        | 105 | 101 | 98  | 103 | 100           | 97  | 93     |
| 2.00                             | 109                                                  | 105 | 102       | 108 | 104 | 101 | 105 | 102           | 100 | 95     |
| 2.50                             | 111                                                  | 107 | 104       | 109 | 106 | 103 | 106 | 103           | 101 | 96     |
| 3.00                             | 112                                                  | 109 | 106       | 110 | 107 | 105 | 107 | 105           | 103 | 97     |
| 4.00                             | 114                                                  | 111 | 109       | 112 | 110 | 108 | 108 | 107           | 105 | 98     |
| 5.00                             | 115                                                  | 113 | 111       | 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: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-04-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.426  
Humidity: 65.0%  
Test Distance: 8.690m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

|                                                                                                |              |                  |
|------------------------------------------------------------------------------------------------|--------------|------------------|
| Test:U:2.8800V I:0.5070A P:1.4600W PF:1.0000 Freq:0Hz UTHDi:0% ITHDi:0% Lamp Flux:222.752x1 lm |              |                  |
| NAME: 600-034                                                                                  | TYPE:        | WEIGHT:          |
| SPEC.: 5000K                                                                                   | DIM.:        | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                                 | SUR.: 0.2543 | Shielding Angle: |

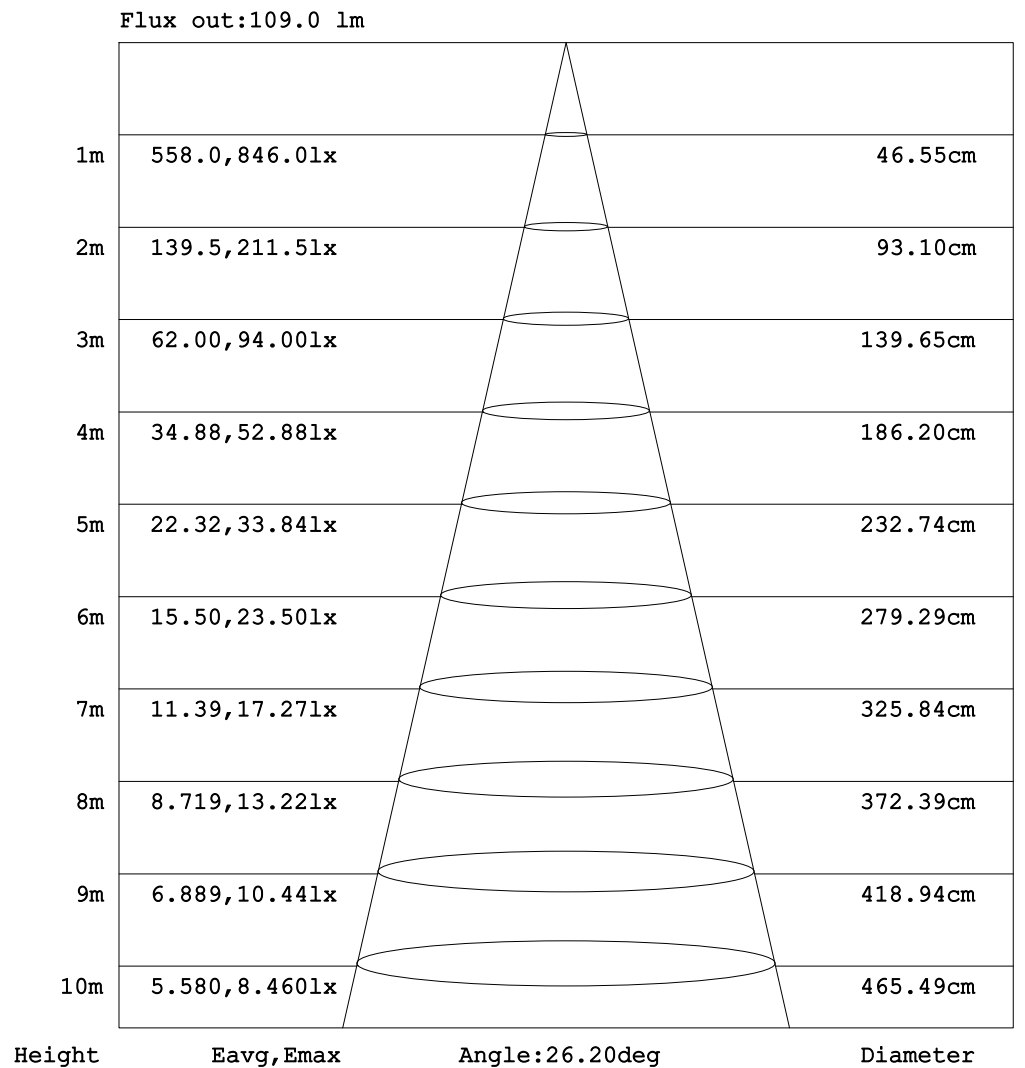


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-27

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.426  
Humidity:65.0%  
Test Distance:8.690m [K=1.0000]  
Remarks:

**AAI Figure**

|                                                                                                |              |                  |
|------------------------------------------------------------------------------------------------|--------------|------------------|
| Test:U:2.8800V I:0.5070A P:1.4600W PF:1.0000 Freq:0Hz UTHDi:0% ITHDi:0% Lamp Flux:222.752x1 lm |              |                  |
| NAME: 600-034                                                                                  | TYPE:        | WEIGHT:          |
| SPEC.: 5000K                                                                                   | DIM.:        | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                                 | SUR.: 0.2543 | Shielding Angle: |



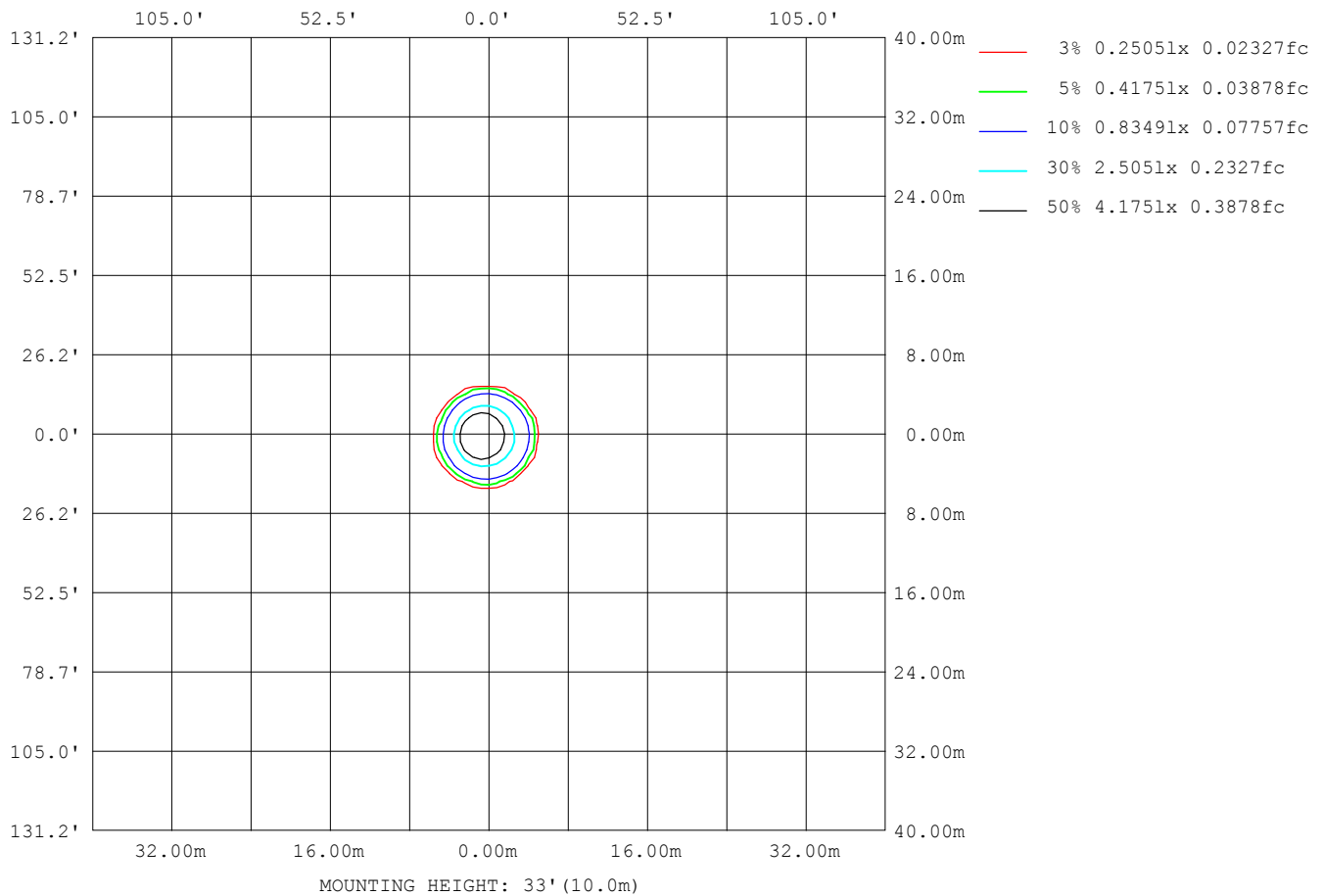
**Note:** The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020-04-27

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.426  
 Humidity: 65.0%  
 Test Distance: 8.690m [K=1.0000]  
 Remarks:

### ISOLUX DIAGRAM

|                                                                                                |              |                  |
|------------------------------------------------------------------------------------------------|--------------|------------------|
| Test:U:2.8800V I:0.5070A P:1.4600W PF:1.0000 Freq:0Hz UTHDi:0% ITHDi:0% Lamp Flux:222.752x1 lm |              |                  |
| NAME: 600-034                                                                                  | TYPE:        | WEIGHT:          |
| SPEC.: 5000K                                                                                   | DIM.:        | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                                 | SUR.: 0.2543 | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-27

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.426  
Humidity:65.0%  
Test Distance:8.690m [K=1.0000]  
Remarks:

### LED Avg.L Report

|                                                                                                |              |                  |
|------------------------------------------------------------------------------------------------|--------------|------------------|
| Test:U:2.8800V I:0.5070A P:1.4600W PF:1.0000 Freq:0Hz UTHDi:0% ITHDi:0% Lamp Flux:222.752x1 lm |              |                  |
| NAME: 600-034                                                                                  | TYPE:        | WEIGHT:          |
| SPEC.: 5000K                                                                                   | DIM.:        | SERIAL No.: 1    |
| MFR.: EVERFINE                                                                                 | SUR.: 0.2543 | Shielding Angle: |

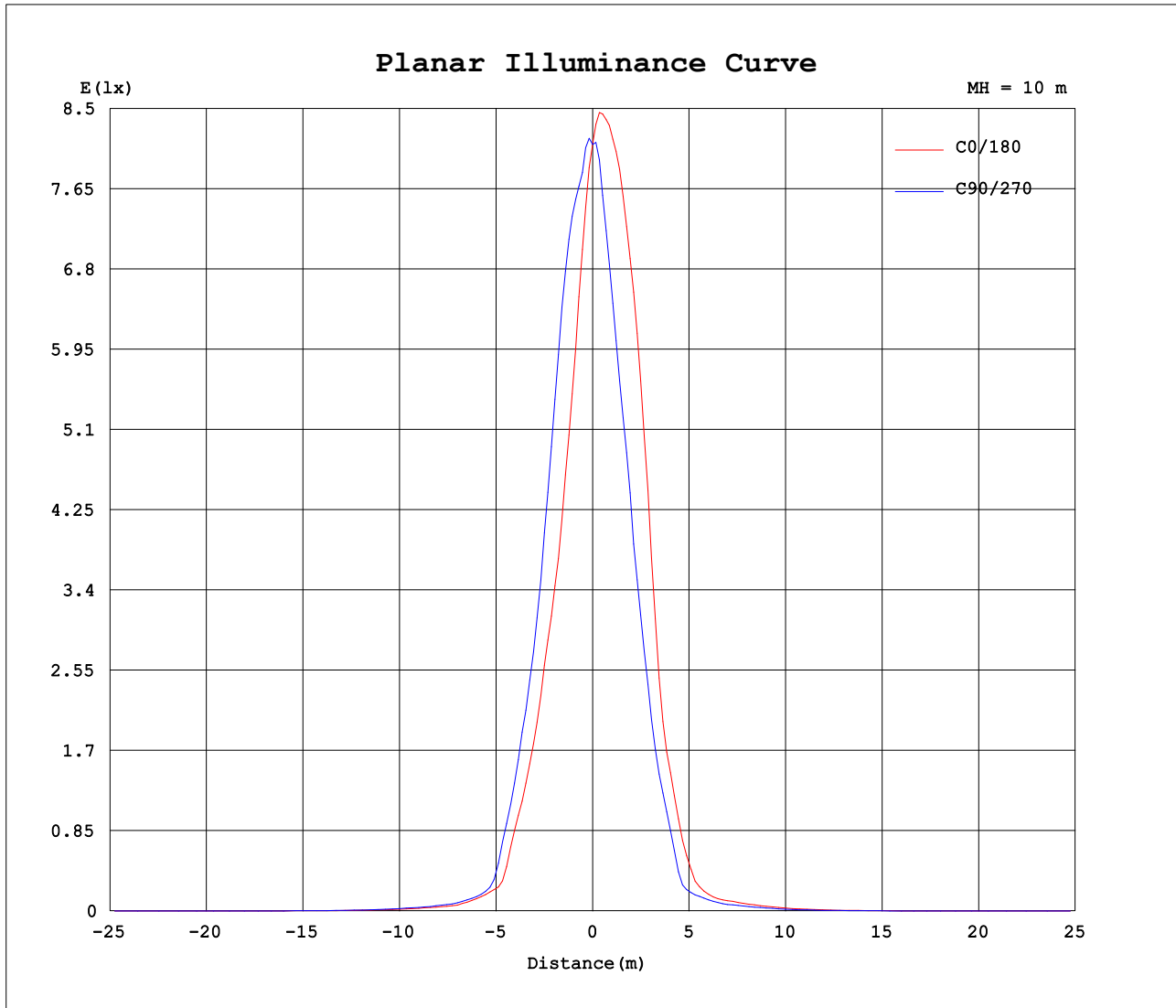
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 11    |
| L_0~180 (75) av  | 7     |
| L_0~180 (85) av  | 1     |
| L_90~270 (65) av | 10    |
| L_90~270 (75) av | 7     |
| L_90~270 (85) av | 2     |
| L_45 (65) av     | 11    |
| L_45 (75) av     | 7     |
| L_45 (85) av     | 1     |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-27

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.426  
Humidity:65.0%  
Test Distance:8.690m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020-04-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.426  
 Humidity: 65.0%  
 Test Distance: 8.690m [K=1.0000]  
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.690m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.690m [K=1.0000]
Remarks:

```