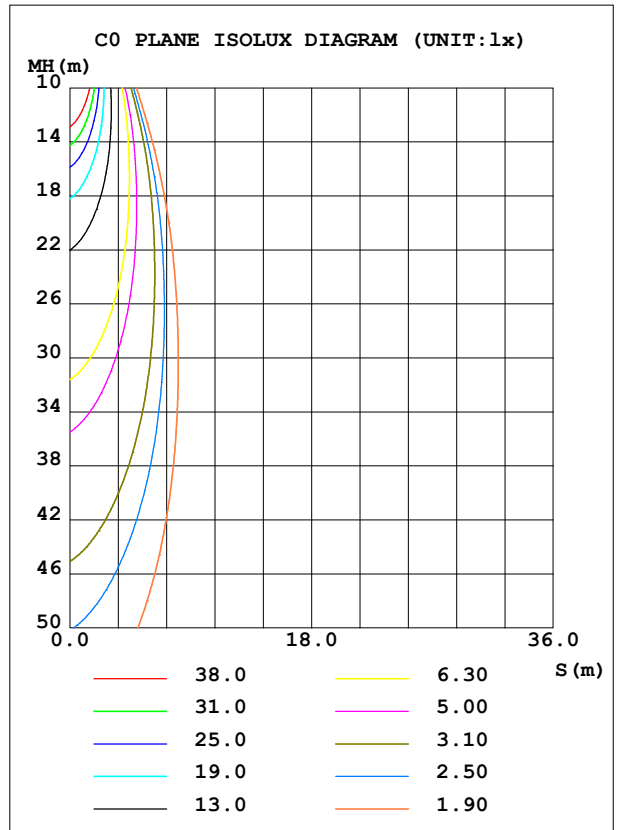
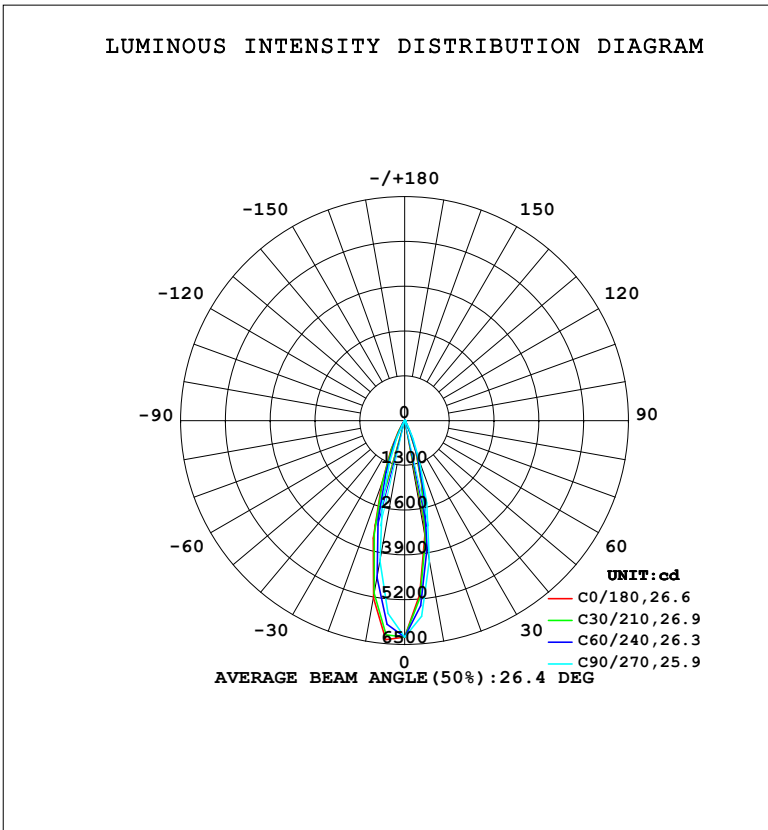


**LUMINAIRE PHOTOMETRIC TEST REPORT**

|   |       |                  |
|---|-------|------------------|
| Test:U:220.46V I:0.2011A P:24.296W PF:0.5479 Freq:50.00Hz<br>Lamp Flux:1624.19x1 lm |       |                  |
| NAME:   | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA      |        |                     |          | Eff: 66.85 lm/W |
|-------------------|---------|-----------------------|--------|---------------------|----------|-----------------|
| MODEL             | 342BS   | I <sub>max</sub> (cd) | 6380   | S/MH (C0/180)       | 0.52     |                 |
| NOMINAL POWER (W) | 12*2    | LOR (%)               | 100.0  | S/MH (C90/270)      | 0.44     |                 |
| RATED VOLTAGE (V) | 220     | TOTAL FLUX (lm)       | 1624.2 | η UP, DN (C0-180)   | 0.0,49.0 |                 |
| NOMINAL FLUX (lm) | 1624.19 | CIE CLASS             | DIRECT | η UP, DN (C180-360) | 0.0,51.0 |                 |
| LAMPS INSIDE      | 1       | η up (%)              | 0.0    | CIBSE SHR NOM       | 0.00     |                 |
| TEST VOLTAGE (V)  | 219.5   | η down (%)            | 100.0  | CIBSE SHR MAX       | 0.30     |                 |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2024-01-23

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [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       | 3387                  | 3652   | 4135   | 4857  | 5237  | 4828  | 4144   | 3563   | 0- 10    | 497.8       | 497.8        | 30.7,30.7 |
| 20       | 956.5                 | 1077   | 1293   | 1681  | 1980  | 1785  | 1277   | 1006   | 10- 20   | 733.2       | 1231         | 75.8,75.8 |
| 30       | 112.8                 | 136.4  | 210.2  | 275.6 | 401.4 | 273.8 | 162.6  | 119.9  | 20- 30   | 311.5       | 1543         | 95,95     |
| 40       | 24.49                 | 33.49  | 40.87  | 51.37 | 54.18 | 42.40 | 31.49  | 26.77  | 30- 40   | 60.91       | 1603         | 98.7,98.7 |
| 50       | 5.146                 | 8.307  | 10.86  | 13.51 | 13.16 | 10.68 | 7.916  | 6.059  | 40- 50   | 16.54       | 1620         | 99.7,99.7 |
| 60       | 0.4106                | 0.3394 | 0.9426 | 1.364 | 1.521 | 1.295 | 0.7010 | 0.4559 | 50- 60   | 3.944       | 1624         | 100,100   |
| 70       | 0                     | 0      | 0      | 0     | 0     | 0     | 0      | 0      | 60- 70   | 0.2406      | 1624         | 100,100   |
| 80       | 0                     | 0      | 0      | 0     | 0     | 0     | 0      | 0      | 70- 80   | 0           | 1624         | 100,100   |
| 90       | 0                     | 0      | 0      | 0     | 0     | 0     | 0      | 0      | 80- 90   | 0           | 1624         | 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): 1614.1 lm

%lum = 99.4%

%lamp = 99.4%

Conical surface Flux(130deg): 1624.2 lm

%lum = 100.0%

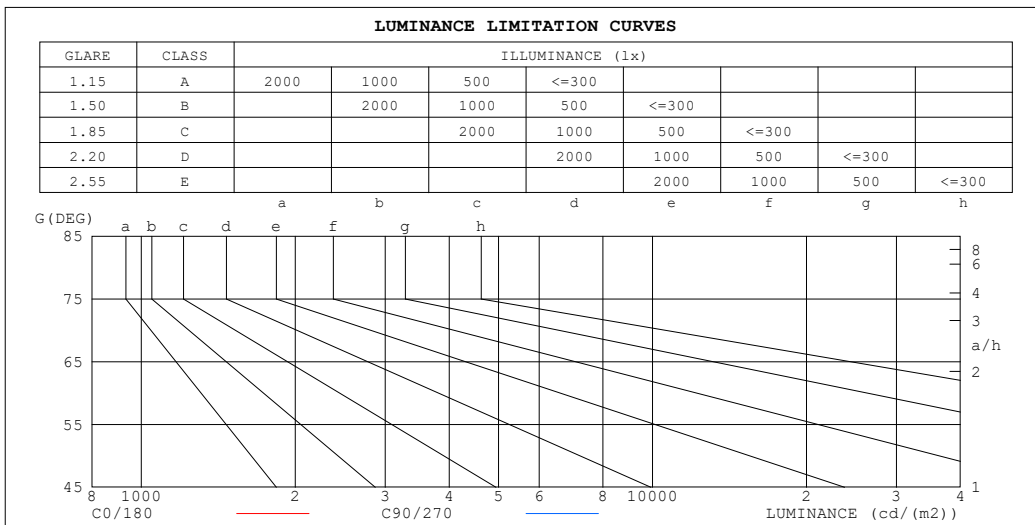
%lamp = 100.0%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

|   |       |                  |
|---|-------|------------------|
| Test:U:220.46V I:0.2011A P:24.296W PF:0.5479 Freq:50.00Hz<br>Lamp Flux:1624.19x1 lm |       |                  |
| NAME:   | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |



| LUMINANCE cd/ (m2) |        |         |
|--------------------|--------|---------|
| G (DEG)            | C0/180 | C90/270 |
| 85                 | 0      | 0       |
| 80                 | 0      | 0       |
| 75                 | 0      | 0       |
| 70                 | 0      | 0       |
| 65                 | 0      | 0       |
| 60                 | 8      | 19      |
| 55                 | 30     | 72      |
| 50                 | 80     | 169     |
| 45                 | 172    | 311     |

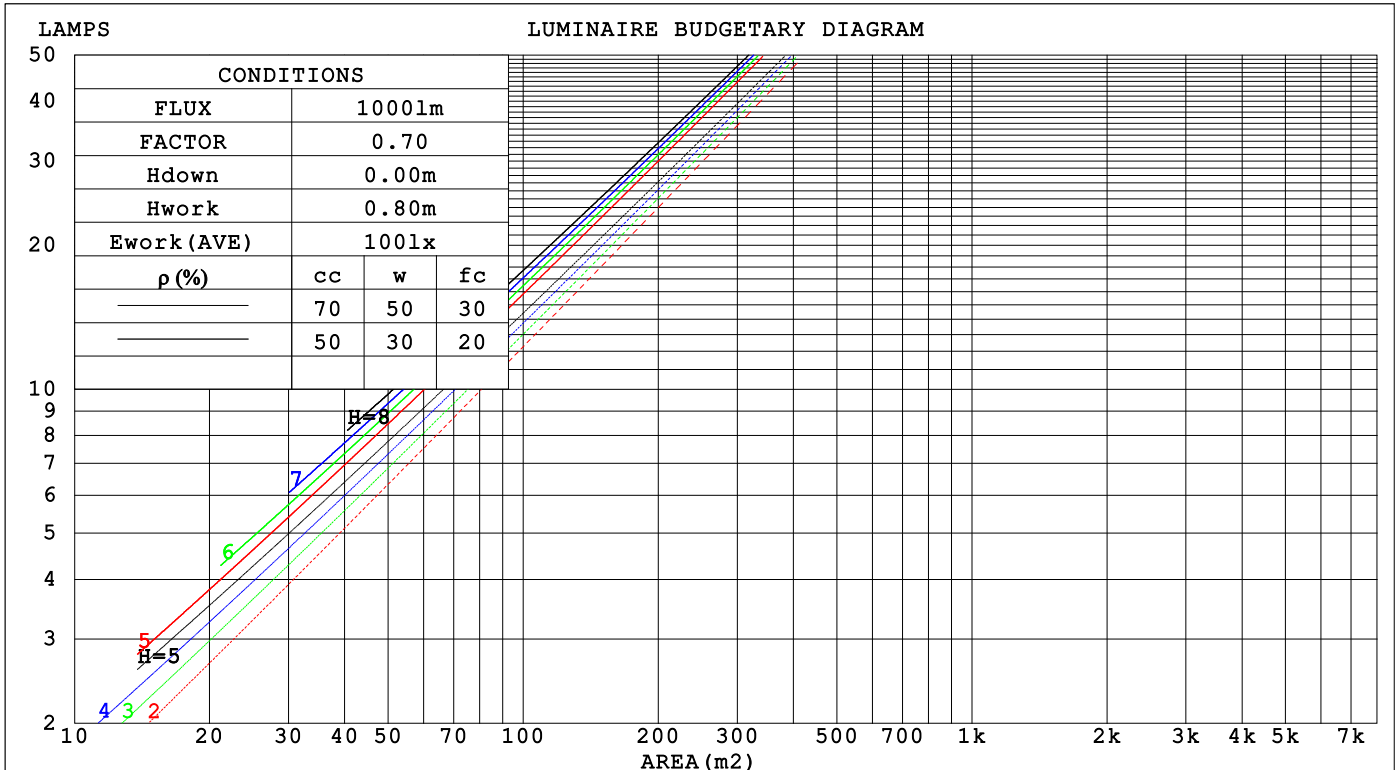
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-23

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

|   |       |                  |
|---|-------|------------------|
| Test:U:220.46V I:0.2011A P:24.296W PF:0.5479 Freq:50.00Hz<br>Lamp Flux:1624.19x1 lm |       |                  |
| NAME:   | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

| ρcc  | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0    |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      | ρw                              | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  |
| ρfc  | 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  | 1.13                            | 1.11 | 1.09 | 1.11 | 1.09 | 1.07 | 1.07 | 1.05 | 1.04 | 1.03 | 1.02 | 1.01 | .00  | .99  | .98  | .96  |
| 2.0  | 1.07                            | 1.04 | 1.02 | 1.06 | 1.03 | 1.00 | 1.02 | 1.00 | .98  | .00  | .98  | .96  | .97  | .96  | .94  | .93  |
| 3.0  | 1.02                            | .99  | .96  | 1.01 | .98  | .95  | .99  | .96  | .94  | .96  | .94  | .92  | .94  | .92  | .91  | .89  |
| 4.0  | .98                             | .94  | .91  | .97  | .93  | .90  | .95  | .92  | .89  | .93  | .91  | .88  | .92  | .89  | .88  | .86  |
| 5.0  | .94                             | .90  | .87  | .94  | .90  | .87  | .92  | .88  | .86  | .90  | .87  | .85  | .89  | .86  | .84  | .83  |
| 6.0  | .91                             | .87  | .83  | .90  | .86  | .83  | .89  | .85  | .83  | .88  | .85  | .82  | .86  | .84  | .82  | .81  |
| 7.0  | .88                             | .83  | .80  | .87  | .83  | .80  | .86  | .82  | .80  | .85  | .82  | .79  | .84  | .81  | .79  | .78  |
| 8.0  | .85                             | .80  | .78  | .84  | .80  | .77  | .83  | .80  | .77  | .82  | .79  | .77  | .82  | .79  | .77  | .75  |
| 9.0  | .82                             | .78  | .75  | .82  | .78  | .75  | .81  | .77  | .75  | .80  | .77  | .74  | .79  | .76  | .74  | .73  |
| 10.0 | .80                             | .75  | .73  | .79  | .75  | .73  | .78  | .75  | .72  | .78  | .75  | .72  | .77  | .74  | .72  | .71  |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-23

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

WEC AND CCEC

|   |       |                  |
|---|-------|------------------|
| Test:U:220.46V I:0.2011A P:24.296W PF:0.5479 Freq:50.00Hz |       |                  |
| Lamp Flux:1624.19x1 lm                                    |       |                  |
| NAME:   | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

| $\rho_{CC}$ | 80%                   |      |      | 70%  |      |      | 50%                              |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                              | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                              |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |
| 0.0         |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |
| 1.0         | .140                  | .080 | .025 | .134 | .076 | .024 | .121                             | .069 | .022 | .110 | .063 | .020 | .099 | .058 | .019 |   |
| 2.0         | .130                  | .071 | .022 | .125 | .069 | .021 | .115                             | .064 | .020 | .105 | .059 | .018 | .097 | .055 | .017 |   |
| 3.0         | .122                  | .065 | .019 | .117 | .063 | .019 | .109                             | .059 | .018 | .101 | .055 | .017 | .094 | .052 | .016 |   |
| 4.0         | .115                  | .060 | .018 | .111 | .058 | .017 | .104                             | .055 | .016 | .097 | .052 | .016 | .091 | .049 | .015 |   |
| 5.0         | .108                  | .055 | .016 | .105 | .054 | .016 | .099                             | .051 | .015 | .093 | .049 | .015 | .088 | .047 | .014 |   |
| 6.0         | .103                  | .052 | .015 | .100 | .051 | .015 | .095                             | .049 | .014 | .090 | .047 | .014 | .085 | .045 | .013 |   |
| 7.0         | .098                  | .048 | .014 | .095 | .048 | .014 | .091                             | .046 | .013 | .086 | .044 | .013 | .082 | .043 | .013 |   |
| 8.0         | .093                  | .046 | .013 | .091 | .045 | .013 | .087                             | .044 | .012 | .083 | .042 | .012 | .080 | .041 | .012 |   |
| 9.0         | .089                  | .043 | .012 | .088 | .043 | .012 | .084                             | .042 | .012 | .081 | .040 | .012 | .077 | .039 | .011 |   |
| 10.0        | .086                  | .041 | .011 | .084 | .041 | .011 | .081                             | .040 | .011 | .078 | .039 | .011 | .075 | .038 | .011 |   |

| $\rho_{CC}$ | 80%                   |      |      | 70%  |      |      | 50%   |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 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 | .118 | .129 | .114 | .102 | .088  | .079 | .071 | .051 | .046 | .042 | .016 | .015 | .014 |   |
| 3.0         | .136                  | .113 | .095 | .117 | .098 | .083 | .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         | .113                  | .086 | .065 | .097 | .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        | .081                  | .051 | .031 | .069 | .044 | .027 | .048  | .031 | .019 | .028 | .018 | .011 | .009 | .006 | .004 |   |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

|   |                  |      |       |      |      |                |                  |      |      |      |
|---|------------------|------|-------|------|------|----------------|------------------|------|------|------|
| Test:U:220.46V I:0.2011A P:24.296W PF:0.5479 Freq:50.00Hz       |                  |      |       |      |      |                |                  |      |      |      |
| Lamp Flux:1624.19x1 lm  |                  |      |       |      |      |                |                  |      |      |      |
| NAME:   |                  |      | TYPE: |      |      |                | WEIGHT:          |      |      |      |
| SPEC.:  |                  |      | DIM.: |      |      |                | SERIAL No.:      |      |      |      |
| MFR.: EVERFINE  |                  |      | SUR.: |      |      |                | 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   | -7.7             | -7.0 | -7.5  | -6.9 | -6.7 | -5.5           | -4.9             | -5.3 | -4.7 | -4.6 |
| 3H  | -7.8             | -7.2 | -7.6  | -7.0 | -6.8 | -5.7           | -5.1             | -5.5 | -4.9 | -4.7 |
| 4H  | -7.9             | -7.3 | -7.7  | -7.1 | -6.9 | -5.8           | -5.2             | -5.5 | -5.0 | -4.8 |
| 6H  | -8.0             | -7.4 | -7.7  | -7.2 | -7.0 | -5.9           | -5.3             | -5.6 | -5.1 | -4.8 |
| 8H  | -8.1             | -7.5 | -7.8  | -7.3 | -7.0 | -5.9           | -5.4             | -5.6 | -5.1 | -4.9 |
| 12H   | -8.1             | -7.6 | -7.8  | -7.3 | -7.0 | -5.9           | -5.4             | -5.6 | -5.2 | -4.9 |
| 4H 2H   | -7.9             | -7.3 | -7.7  | -7.1 | -6.9 | -5.8           | -5.2             | -5.5 | -5.0 | -4.8 |
| 3H  | -8.1             | -7.6 | -7.8  | -7.3 | -7.0 | -5.9           | -5.4             | -5.6 | -5.2 | -4.9 |
| 4H  | -8.2             | -7.7 | -7.8  | -7.4 | -7.1 | -6.0           | -5.6             | -5.7 | -5.3 | -5.0 |
| 6H  | -8.3             | -7.9 | -7.9  | -7.5 | -7.2 | -6.1           | -5.7             | -5.8 | -5.4 | -5.0 |
| 8H  | -8.3             | -7.9 | -8.0  | -7.6 | -7.2 | -6.2           | -5.8             | -5.8 | -5.5 | -5.1 |
| 12H   | -8.4             | -8.0 | -8.0  | -7.7 | -7.3 | -6.3           | -5.9             | -5.8 | -5.5 | -5.1 |
| 8H 4H   | -8.3             | -7.9 | -8.0  | -7.6 | -7.2 | -6.2           | -5.8             | -5.8 | -5.5 | -5.1 |
| 6H  | -8.5             | -8.1 | -8.0  | -7.7 | -7.3 | -6.3           | -6.0             | -5.9 | -5.6 | -5.2 |
| 8H  | -8.5             | -8.2 | -8.1  | -7.8 | -7.4 | -6.4           | -6.1             | -5.9 | -5.7 | -5.2 |
| 12H   | -8.6             | -8.3 | -8.1  | -7.9 | -7.4 | -6.4           | -6.2             | -6.0 | -5.7 | -5.3 |
| 12H 4H  | -8.4             | -8.0 | -8.0  | -7.7 | -7.3 | -6.3           | -5.9             | -5.8 | -5.5 | -5.1 |
| 6H  | -8.5             | -8.2 | -8.1  | -7.8 | -7.4 | -6.4           | -6.1             | -5.9 | -5.7 | -5.2 |
| 8H  | -8.6             | -8.3 | -8.1  | -7.9 | -7.4 | -6.4           | -6.2             | -6.0 | -5.7 | -5.3 |
| Variations with the observer position at spacings(CIE Pub.117): |                  |      |       |      |      |                |                  |      |      |      |
| S = 1.0H  | + 2.8 / -18.9    |      |       |      |      | + 3.2 / -15.3  |                  |      |      |      |
| 1.5H  | + 4.4 / -14.9    |      |       |      |      | + 4.9 / -16.0  |                  |      |      |      |
| 2.0H  | + 6.8 / - 1.5    |      |       |      |      | + 7.8 / -97.4  |                  |      |      |      |

CIE Pub.117, 1624 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.7)  
 Area: 0.1 m2

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-23

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

|   |       |                  |
|---|-------|------------------|
| Test:U:220.46V I:0.2011A P:24.296W PF:0.5479 Freq:50.00Hz<br>Lamp Flux:1624.19x1 lm |       |                  |
| NAME:   | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

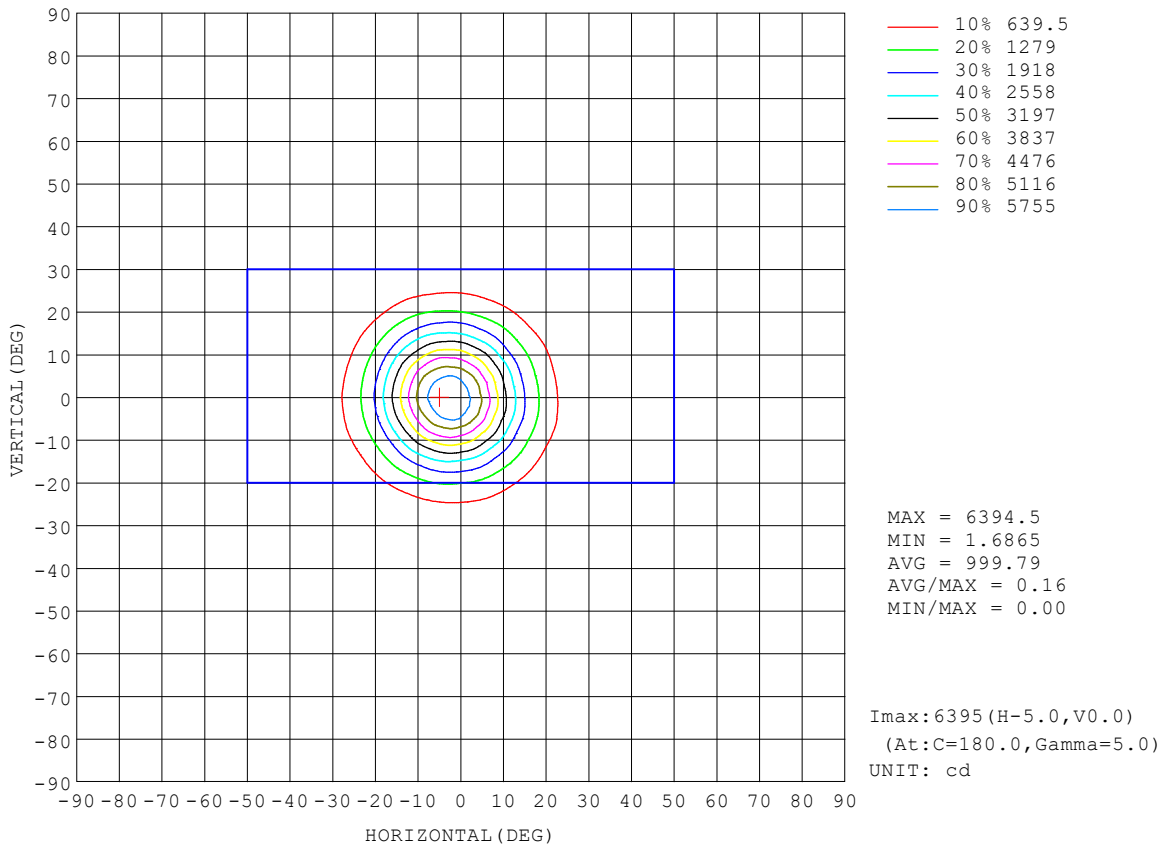
| REFLECTANCE                      |  |     |           |     |     |     |               |     |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |               |     |     |        |
| $k = 0.60$                       | 91   | 85  | 82        | 90  | 85  | 82  | 90            | 85  | 81  | 78     |
| 0.80                             | 98   | 93  | 89        | 97  | 92  | 89  | 96            | 92  | 89  | 85     |
| 1.00                             | 102  | 97  | 93        | 101 | 96  | 93  | 99            | 96  | 93  | 89     |
| 1.25                             | 105  | 100 | 97        | 104 | 100 | 97  | 102           | 99  | 96  | 92     |
| 1.50                             | 108  | 103 | 100       | 106 | 103 | 100 | 104           | 101 | 99  | 95     |
| 2.00                             | 110  | 106 | 103       | 108 | 105 | 102 | 106           | 103 | 101 | 96     |
| 2.50                             | 111  | 108 | 105       | 110 | 107 | 104 | 107           | 104 | 102 | 97     |
| 3.00                             | 113  | 110 | 107       | 111 | 108 | 106 | 108           | 105 | 104 | 98     |
| 4.00                             | 114  | 112 | 110       | 112 | 110 | 109 | 109           | 107 | 106 | 99     |
| 5.00                             | 116  | 114 | 112       | 114 | 112 | 110 | 110           | 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:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-23

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

|   |       |                  |
|---|-------|------------------|
| Test:U:220.46V I:0.2011A P:24.296W PF:0.5479 Freq:50.00Hz<br>Lamp Flux:1624.19x1 lm |       |                  |
| NAME:   | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |



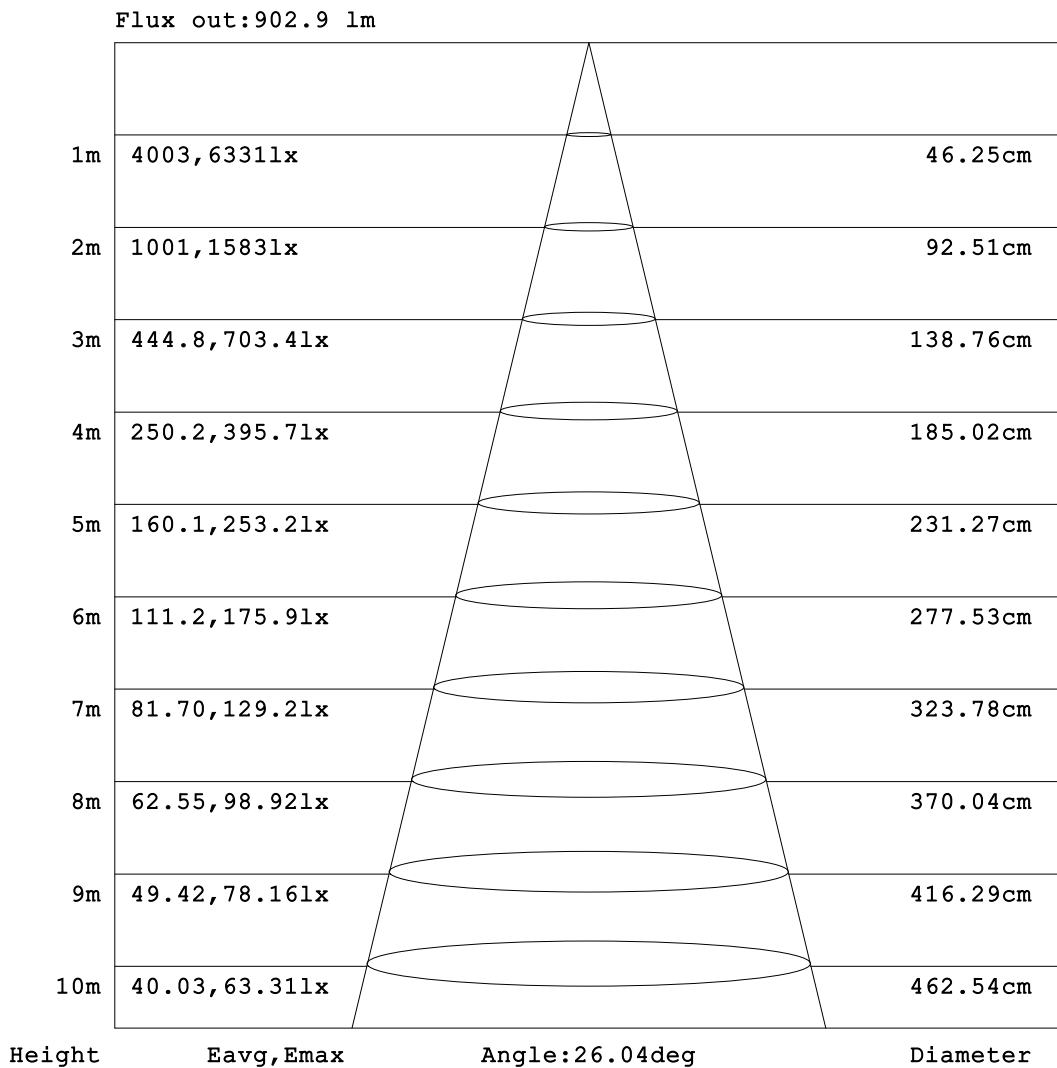
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2024-01-23

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:



**AAI Figure**

|   |       |                  |
|---|-------|------------------|
| Test:U:220.46V I:0.2011A P:24.296W PF:0.5479 Freq:50.00Hz<br>Lamp Flux:1624.19x1 lm |       |                  |
| NAME:   | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |



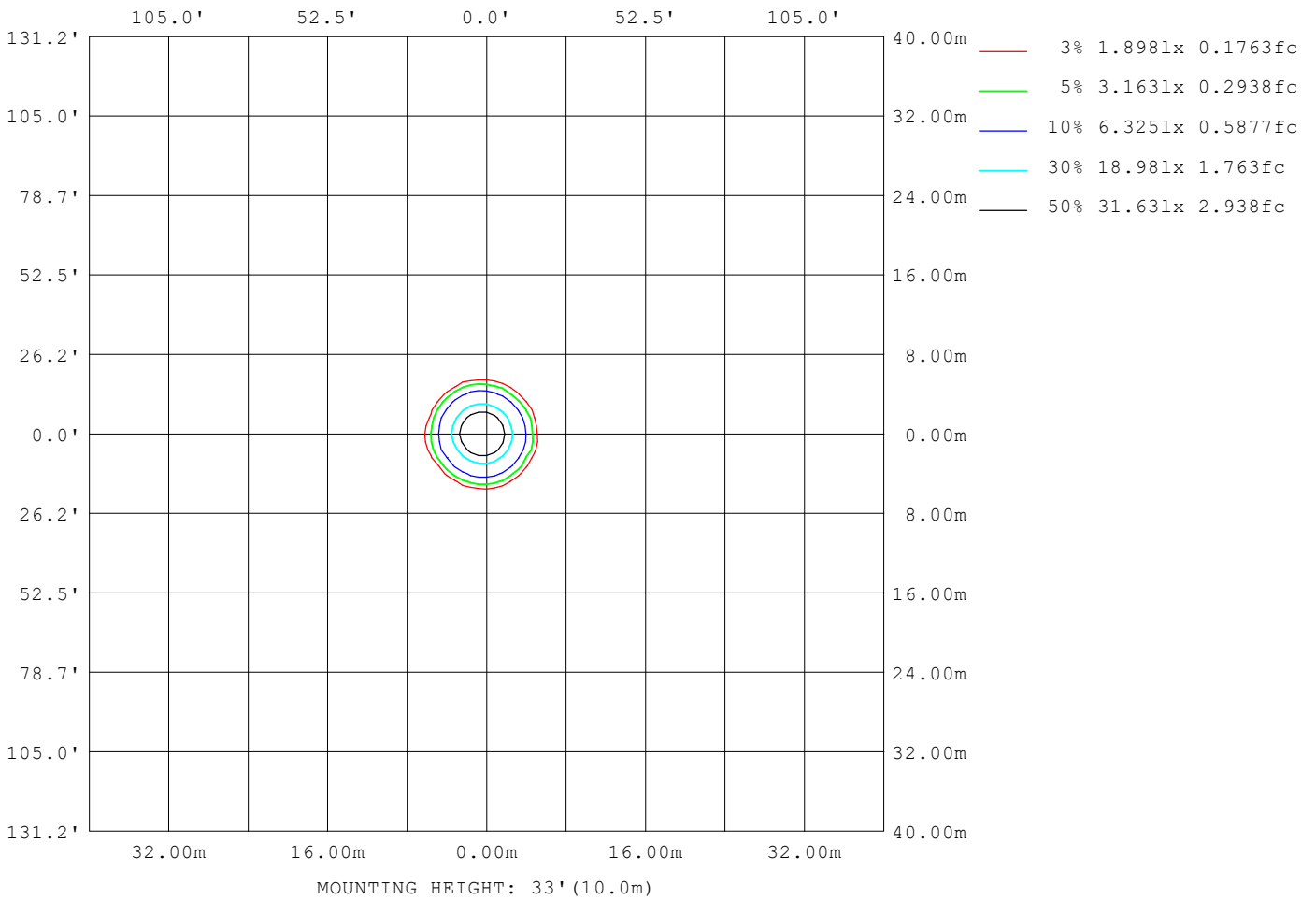
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2024-01-23

γ Range: 0 - 90DEG  
γ Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
Humidity:65.0%  
Test Distance:9.401m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

|   |       |                  |
|---|-------|------------------|
| Test:U:220.46V I:0.2011A P:24.296W PF:0.5479 Freq:50.00Hz<br>Lamp Flux:1624.19x1 lm |       |                  |
| NAME:   | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-23

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

|   |       |                  |
|---|-------|------------------|
| Test:U:220.46V I:0.2011A P:24.296W PF:0.5479 Freq:50.00Hz<br>Lamp Flux:1624.19x1 lm |       |                  |
| NAME:   | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

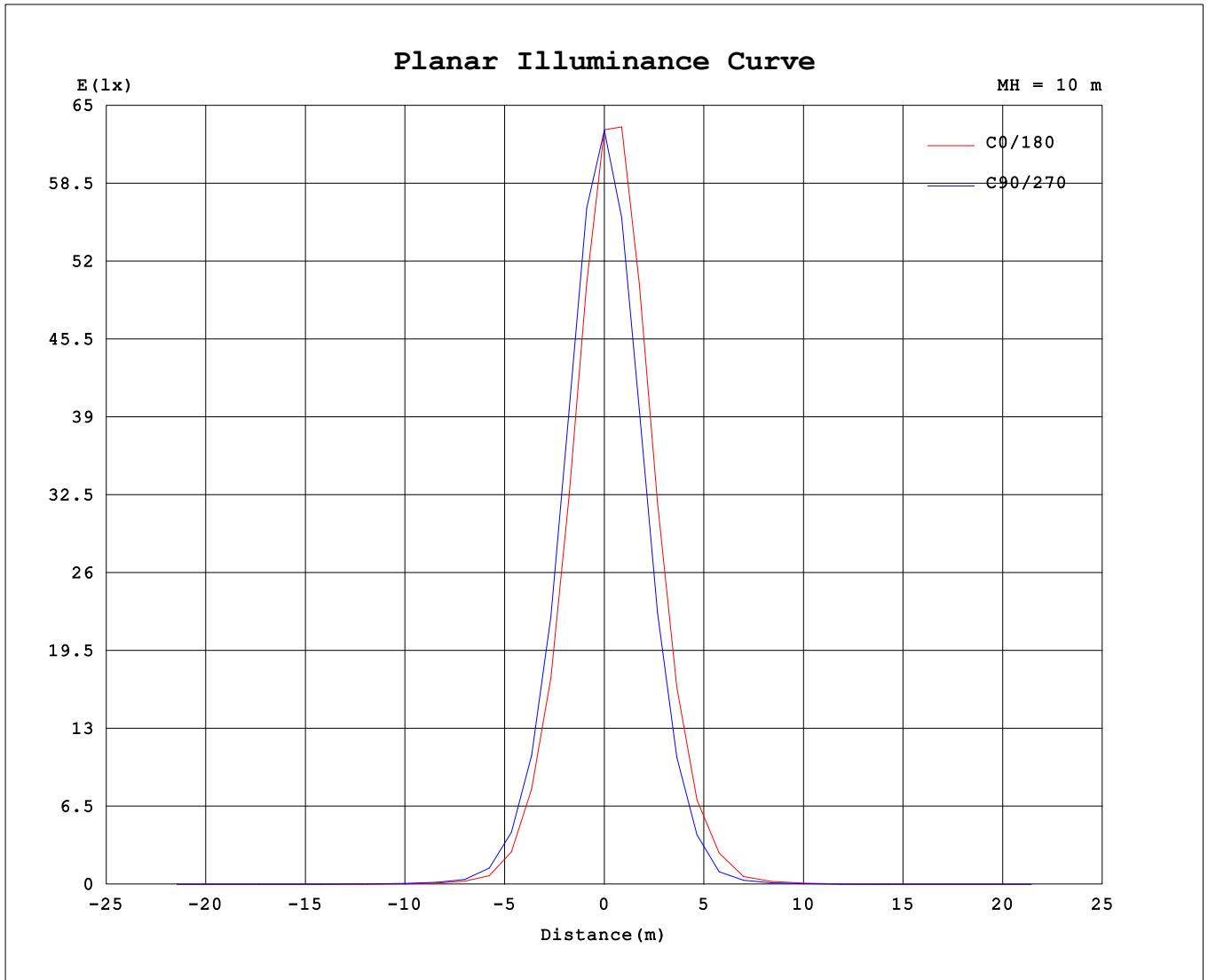
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 2     |
| L_0~180 (75) av  | 0     |
| L_0~180 (85) av  | 0     |
| L_90~270 (65) av | 0     |
| L_90~270 (75) av | 0     |
| L_90~270 (85) av | 0     |
| L_45 (65) av     | 0     |
| L_45 (75) av     | 0     |
| L_45 (85) av     | 0     |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-23

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2024-01-23

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

|   |       |                  |
|---|-------|------------------|
| Test:U:220.46V I:0.2011A P:24.296W PF:0.5479 Freq:50.00Hz<br>Lamp Flux:1624.19x1 lm |       |                  |
| NAME:   | TYPE: | WEIGHT:          |
| SPEC.:  | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE  | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| C (DEG) \ γ (DEG) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                 | 6283 | 6283 | 6283 | 6283 | 6283 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 5451 | 5338 | 5206 | 5144 | 5067 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                | 3898 | 3758 | 3563 | 3488 | 3386 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                | 2291 | 2190 | 2031 | 1978 | 1902 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                | 1146 | 1092 | 1006 | 971  | 943  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                | 474  | 432  | 377  | 412  | 357  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                | 142  | 133  | 120  | 116  | 112  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                | 58.2 | 55.2 | 52.8 | 52.0 | 50.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                | 28.8 | 27.3 | 26.8 | 26.8 | 25.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                | 14.7 | 13.8 | 13.4 | 14.0 | 13.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                | 7.14 | 6.28 | 6.06 | 6.51 | 5.88 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                | 2.66 | 2.21 | 2.00 | 2.29 | 1.87 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                | 0.74 | 0.62 | 0.46 | 0.47 | 0.37 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-23

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks: