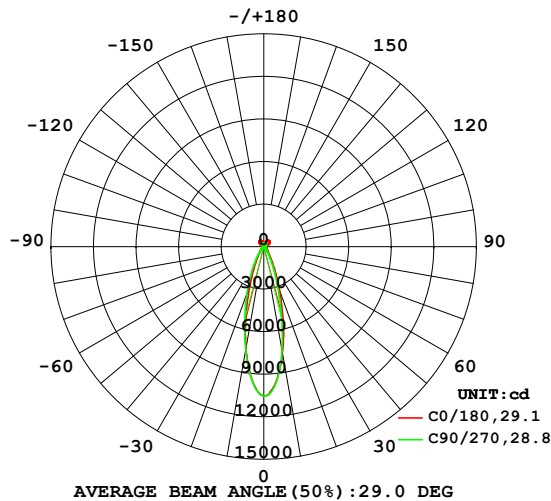


## LUMINAIRE PHOTOMETRIC TEST REPORT

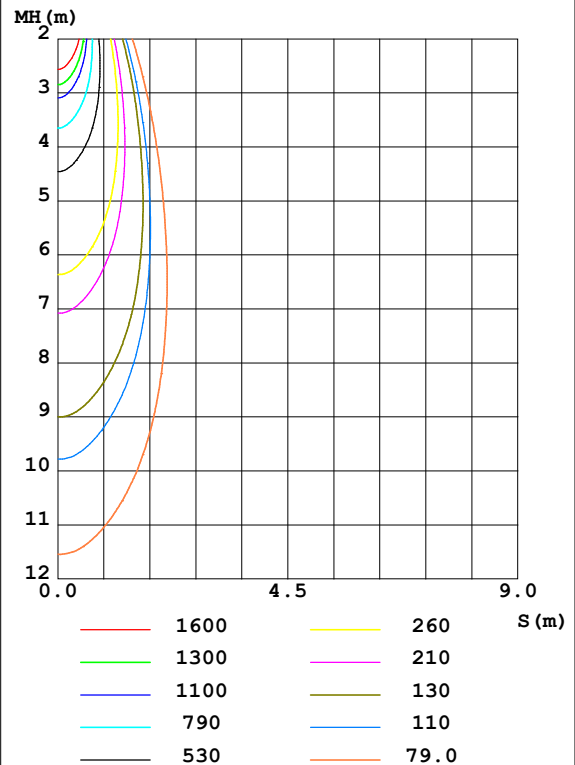
|                |                |                  |
|----------------|----------------|------------------|
| NAME: GEN10    | TYPE: 4250k    | WEIGHT:          |
| SPEC.:         | DIM.:          | SERIAL No.:      |
| MFR.: EVERFINE | SUR.: 1.2*0.24 | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA Eff: 105.75 lm/W |         |                          |            |
|-------------------|---------|-----------------------------------|---------|--------------------------|------------|
| MODEL             |         | Imax (cd)                         | 10549   | S/MH (C0/180)            | 0.50       |
| NOMINAL POWER (W) | 56      | LOR (%)                           | 100.0   | S/MH (C90/270)           | 0.49       |
| RATED VOLTAGE (V) | 120.0   | TOTAL FLUX (lm)                   | 5573.1  | $\eta$ UP, DN (C0-180)   | 14.4, 34.9 |
| NOMINAL FLUX (lm) | 5573.08 | CIE CLASS                         | SEMI-D. | $\eta$ UP, DN (C180-360) | 13.7, 36.9 |
| LAMPS INSIDE      | 1       | $\eta$ up (%)                     | 28.1    | CIBSE SHR NOM            | 0.50       |
| TEST VOLTAGE (V)  | 120.0   | $\eta$ down (%)                   | 71.9    | CIBSE SHR MAX            | 0.50       |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

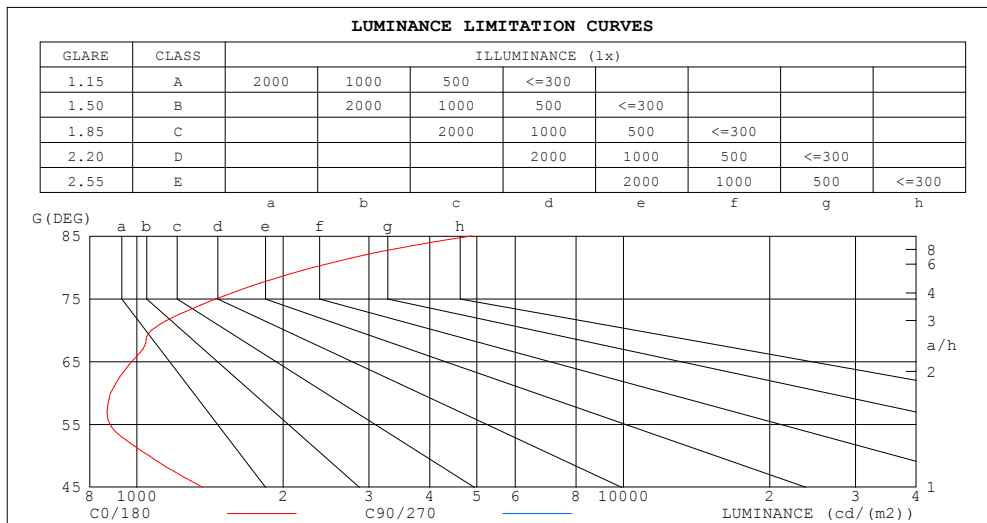
| $\gamma$ | C0                       | C45   | C90    | C135  | C180  | C225  | C270   | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|--------------------------|-------|--------|-------|-------|-------|--------|-------|----------|-------------|--------------|------------|
| 10       | 764.4                    | 755.5 | 741.4  | 763.6 | 729.0 | 723.4 | 738.9  | 726.2 | 0- 10    | 843.3       | 843.3        | 15.1,15.1  |
| 20       | 323.7                    | 299.3 | 276.1  | 295.5 | 282.3 | 309.5 | 345.4  | 327.3 | 10- 20   | 1379        | 2223         | 39.9,39.9  |
| 30       | 110.5                    | 96.99 | 81.67  | 93.52 | 93.42 | 106.8 | 123.6  | 118.9 | 20- 30   | 839.7       | 3063         | 55,55      |
| 40       | 41.63                    | 35.70 | 24.81  | 34.26 | 36.27 | 38.43 | 37.84  | 42.36 | 30- 40   | 390.8       | 3453         | 62,62      |
| 50       | 19.61                    | 17.88 | 6.660  | 16.13 | 17.19 | 17.78 | 10.34  | 19.11 | 40- 50   | 185.2       | 3639         | 65.3,65.3  |
| 60       | 12.73                    | 11.54 | 2.017  | 10.38 | 11.40 | 10.42 | 2.761  | 12.03 | 50- 60   | 104.1       | 3743         | 67.2,67.2  |
| 70       | 10.57                    | 10.88 | 0.2750 | 8.620 | 9.579 | 9.702 | 0.4278 | 10.75 | 60- 70   | 83.16       | 3826         | 68.6,68.6  |
| 80       | 11.52                    | 11.26 | 0.1786 | 10.03 | 10.74 | 10.28 | 0.1811 | 10.97 | 70- 80   | 82.31       | 3908         | 70.1,70.1  |
| 90       | 13.06                    | 12.86 | 0.1379 | 12.27 | 12.19 | 11.33 | 0.1475 | 13.00 | 80- 90   | 96.68       | 4005         | 71.9,71.9  |
| 100      | 15.56                    | 16.63 | 2.394  | 13.65 | 14.28 | 12.96 | 1.500  | 15.16 | 90-100   | 113.5       | 4118         | 73.9,73.9  |
| 110      | 22.48                    | 27.95 | 6.332  | 19.69 | 17.39 | 18.01 | 5.513  | 24.68 | 100-110  | 152.3       | 4271         | 76.6,76.6  |
| 120      | 38.92                    | 36.40 | 10.63  | 31.49 | 27.60 | 28.15 | 9.750  | 35.22 | 110-120  | 225.3       | 4496         | 80.7,80.7  |
| 130      | 52.16                    | 40.91 | 15.08  | 39.78 | 43.08 | 37.42 | 13.83  | 39.29 | 120-130  | 282.2       | 4778         | 85.7,85.7  |
| 140      | 54.94                    | 40.94 | 19.29  | 42.40 | 51.84 | 40.23 | 17.90  | 38.41 | 130-140  | 286.1       | 5064         | 90.9,90.9  |
| 150      | 50.81                    | 36.57 | 23.03  | 40.68 | 51.22 | 38.23 | 21.69  | 34.09 | 140-150  | 236.6       | 5301         | 95.1,95.1  |
| 160      | 39.44                    | 27.35 | 25.80  | 34.48 | 41.96 | 33.36 | 24.76  | 29.35 | 150-160  | 159.8       | 5461         | 98,98      |
| 170      | 28.94                    | 27.49 | 27.46  | 30.34 | 31.78 | 28.82 | 26.79  | 27.87 | 160-170  | 85.43       | 5546         | 99.5,99.5  |
| 180      | 27.78                    | 27.78 | 27.78  | 27.78 | 27.78 | 27.78 | 27.78  | 27.78 | 170-180  | 26.92       | 5573         | 100,100    |
| DEG      | LUMINOUS INTENSITY:×10cd |       |        |       |       |       |        |       |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                |                |                  |
|----------------|----------------|------------------|
| NAME: GEN10    | TYPE: 4250k    | WEIGHT:          |
| SPEC.:         | DIM.:          | SERIAL No.:      |
| MFR.: EVERFINE | SUR.: 1.2*0.24 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 4881   | 53      |
| 80                | 2304   | 36      |
| 75                | 1455   | 30      |
| 70                | 1073   | 28      |
| 65                | 977    | 69      |
| 60                | 884    | 140     |
| 55                | 881    | 213     |
| 50                | 1059   | 360     |
| 45                | 1367   | 658     |

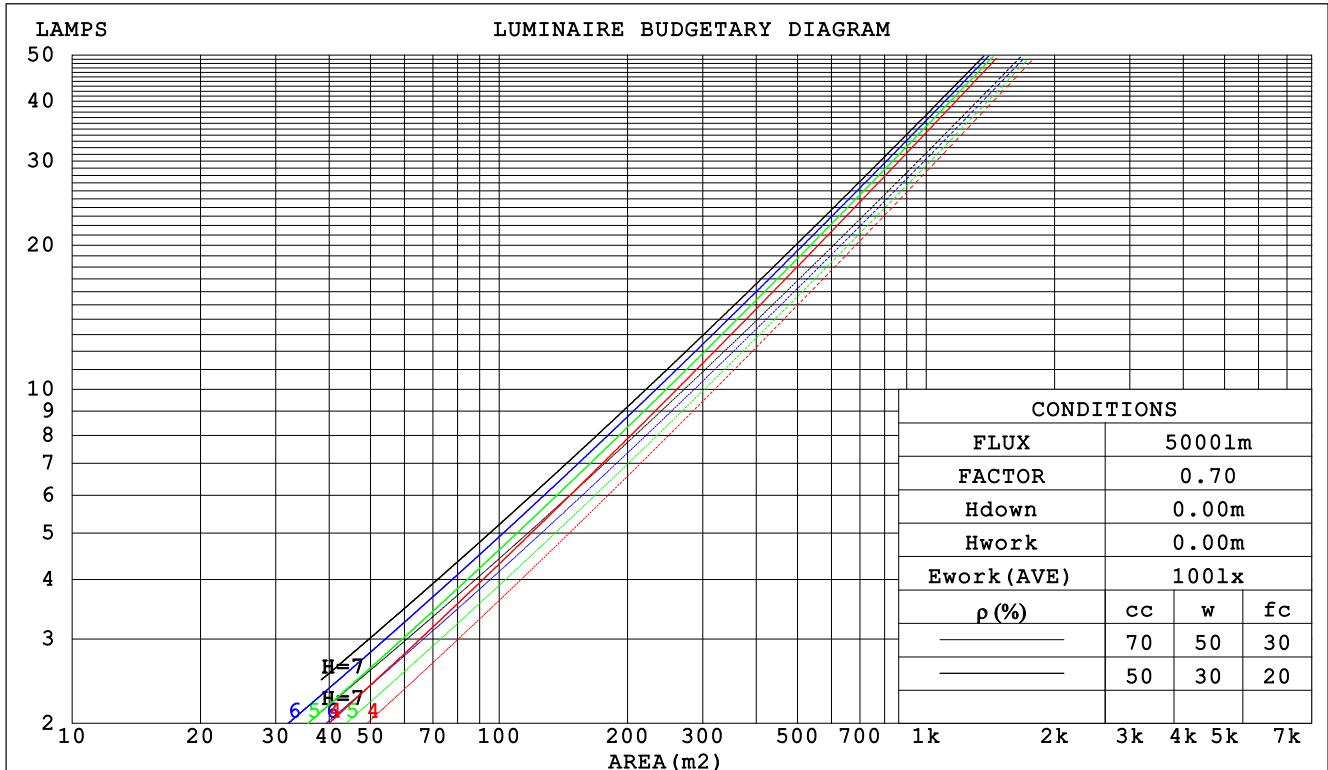
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                |                |                  |
|----------------|----------------|------------------|
| NAME: GEN10    | TYPE: 4250k    | WEIGHT:          |
| SPEC.:         | DIM.:          | SERIAL No.:      |
| MFR.: EVERFINE | SUR.: 1.2*0.24 | 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 |      |      | Coefficients of Utilization(CU) |      |      |     |     |     |     |     |     |     |     |     |     |
| 0.0         | 1.12                  | 1.12 | 1.12 | 1.06                            | 1.06 | 1.06 | .95 | .95 | .95 | .85 | .85 | .85 | .76 | .76 | .76 | .72 |
| 1.0         | 1.02                  | .99  | .96  | .97                             | .94  | .92  | .88 | .86 | .84 | .79 | .78 | .77 | .71 | .70 | .70 | .66 |
| 2.0         | .93                   | .89  | .85  | .89                             | .85  | .82  | .82 | .78 | .76 | .74 | .72 | .70 | .68 | .66 | .65 | .61 |
| 3.0         | .86                   | .81  | .77  | .83                             | .78  | .74  | .76 | .72 | .69 | .70 | .67 | .65 | .64 | .62 | .60 | .58 |
| 4.0         | .80                   | .74  | .70  | .77                             | .72  | .68  | .72 | .67 | .64 | .66 | .63 | .60 | .61 | .59 | .57 | .54 |
| 5.0         | .75                   | .69  | .64  | .72                             | .67  | .63  | .68 | .63 | .60 | .63 | .59 | .57 | .59 | .56 | .54 | .52 |
| 6.0         | .71                   | .64  | .60  | .68                             | .63  | .59  | .64 | .59 | .56 | .60 | .56 | .54 | .56 | .53 | .51 | .49 |
| 7.0         | .67                   | .60  | .56  | .64                             | .59  | .55  | .61 | .56 | .53 | .57 | .53 | .51 | .54 | .51 | .49 | .47 |
| 8.0         | .63                   | .57  | .53  | .61                             | .56  | .52  | .58 | .53 | .50 | .55 | .51 | .48 | .52 | .49 | .46 | .45 |
| 9.0         | .60                   | .54  | .50  | .58                             | .53  | .49  | .55 | .51 | .48 | .52 | .49 | .46 | .50 | .47 | .44 | .43 |
| 10.0        | .57                   | .51  | .47  | .55                             | .50  | .47  | .53 | .48 | .45 | .50 | .47 | .44 | .48 | .45 | .43 | .41 |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                |               |                  |
|----------------|---------------|------------------|
| NAME: GEN10    | TYPE:4250k    | WEIGHT:          |
| SPEC.:         | DIM.:         | SERIAL No.:      |
| MFR.: EVERFINE | SUR.:1.2*0.24 | 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  | .219 .124 .039                                        | .203 .116 .037 | .175 .100 .032 | .148 .086 .027 | .124 .072 .023 |   |
| 2.0  | .197 .108 .033                                        | .184 .101 .031 | .158 .088 .027 | .134 .075 .024 | .112 .064 .020 |   |
| 3.0  | .181 .096 .029                                        | .169 .090 .027 | .146 .079 .024 | .124 .068 .021 | .105 .058 .018 |   |
| 4.0  | .167 .087 .026                                        | .156 .082 .024 | .136 .072 .021 | .116 .062 .019 | .098 .053 .016 |   |
| 5.0  | .156 .079 .023                                        | .146 .075 .022 | .127 .066 .019 | .109 .058 .017 | .093 .050 .015 |   |
| 6.0  | .146 .073 .021                                        | .137 .069 .020 | .120 .061 .018 | .103 .054 .016 | .088 .046 .014 |   |
| 7.0  | .137 .068 .019                                        | .129 .064 .018 | .113 .057 .016 | .098 .050 .015 | .084 .044 .013 |   |
| 8.0  | .130 .063 .018                                        | .122 .060 .017 | .107 .053 .015 | .093 .047 .014 | .080 .041 .012 |   |
| 9.0  | .123 .059 .017                                        | .115 .056 .016 | .102 .050 .014 | .089 .045 .013 | .077 .039 .011 |   |
| 10.0 | .116 .056 .015                                        | .110 .053 .015 | .097 .048 .013 | .085 .042 .012 | .074 .037 .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  | .405 .405 .405                                                   | .346 .346 .346 | .236 .236 .236 | .136 .136 .136 | .043 .043 .043 |   |
| 1.0  | .390 .373 .358                                                   | .334 .320 .308 | .228 .220 .213 | .131 .127 .124 | .042 .041 .040 |   |
| 2.0  | .377 .350 .327                                                   | .323 .301 .283 | .221 .208 .197 | .128 .121 .116 | .041 .039 .038 |   |
| 3.0  | .366 .332 .306                                                   | .314 .287 .265 | .215 .199 .186 | .124 .116 .110 | .040 .038 .036 |   |
| 4.0  | .356 .319 .290                                                   | .306 .276 .252 | .210 .192 .178 | .122 .112 .105 | .039 .037 .035 |   |
| 5.0  | .348 .308 .279                                                   | .299 .267 .243 | .206 .186 .171 | .119 .109 .102 | .038 .036 .033 |   |
| 6.0  | .341 .300 .270                                                   | .293 .259 .235 | .202 .182 .166 | .117 .107 .099 | .038 .035 .033 |   |
| 7.0  | .334 .292 .263                                                   | .287 .253 .229 | .198 .178 .163 | .115 .105 .097 | .037 .034 .032 |   |
| 8.0  | .328 .287 .258                                                   | .282 .249 .225 | .195 .174 .160 | .114 .103 .095 | .037 .034 .031 |   |
| 9.0  | .323 .282 .254                                                   | .278 .244 .221 | .193 .172 .157 | .112 .101 .094 | .036 .033 .031 |   |
| 10.0 | .318 .277 .250                                                   | .274 .241 .219 | .190 .169 .155 | .111 .100 .093 | .036 .033 .031 |   |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

|                                                    |     |                  |      |      |               |      |                |                  |      |      |      |
|----------------------------------------------------|-----|------------------|------|------|---------------|------|----------------|------------------|------|------|------|
| NAME: GEN10                                        |     |                  |      |      | TYPE:4250k    |      |                | WEIGHT:          |      |      |      |
| SPEC.:                                             |     |                  |      |      | DIM.:         |      |                | SERIAL No.:      |      |      |      |
| MFR.: EVERFINE                                     |     |                  |      |      | SUR.:1.2*0.24 |      |                | 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                                      | 2H  | 7.1              | 7.9  | 7.7  | 8.4           | 9.0  | 3.6            | 4.4              | 4.2  | 5.0  | 5.6  |
|                                                    | 3H  | 8.8              | 9.5  | 9.4  | 10.1          | 10.8 | 3.7            | 4.5              | 4.4  | 5.1  | 5.8  |
|                                                    | 4H  | 10.1             | 10.7 | 10.7 | 11.4          | 12.1 | 3.8            | 4.5              | 4.4  | 5.1  | 5.8  |
|                                                    | 6H  | 11.8             | 12.4 | 12.5 | 13.1          | 13.9 | 3.8            | 4.5              | 4.5  | 5.1  | 5.9  |
|                                                    | 8H  | 12.9             | 13.5 | 13.6 | 14.2          | 15.0 | 3.8            | 4.4              | 4.5  | 5.1  | 5.9  |
|                                                    | 12H | 14.2             | 14.8 | 14.9 | 15.5          | 16.3 | 3.8            | 4.4              | 4.5  | 5.1  | 5.9  |
| 4H                                                 | 2H  | 7.3              | 8.0  | 8.0  | 8.6           | 9.4  | 4.7            | 5.4              | 5.3  | 6.0  | 6.7  |
|                                                    | 3H  | 9.5              | 10.1 | 10.3 | 10.8          | 11.6 | 5.5            | 6.1              | 6.2  | 6.8  | 7.6  |
|                                                    | 4H  | 11.1             | 11.7 | 11.9 | 12.4          | 13.2 | 6.0            | 6.5              | 6.7  | 7.2  | 8.1  |
|                                                    | 6H  | 13.2             | 13.7 | 14.0 | 14.4          | 15.3 | 6.4            | 6.9              | 7.2  | 7.6  | 8.5  |
|                                                    | 8H  | 14.5             | 14.9 | 15.2 | 15.6          | 16.5 | 6.6            | 7.0              | 7.4  | 7.8  | 8.7  |
|                                                    | 12H | 15.9             | 16.3 | 16.7 | 17.1          | 18.0 | 6.7            | 7.1              | 7.5  | 7.9  | 8.8  |
| 8H                                                 | 4H  | 11.6             | 12.1 | 12.4 | 12.8          | 13.7 | 8.1            | 8.5              | 8.8  | 9.2  | 10.1 |
|                                                    | 6H  | 14.1             | 14.5 | 14.9 | 15.3          | 16.2 | 9.3            | 9.6              | 10.1 | 10.4 | 11.4 |
|                                                    | 8H  | 15.6             | 15.9 | 16.5 | 16.8          | 17.7 | 9.8            | 10.2             | 10.7 | 11.0 | 11.9 |
|                                                    | 12H | 17.4             | 17.6 | 18.2 | 18.5          | 19.5 | 10.3           | 10.5             | 11.1 | 11.4 | 12.4 |
| 12H                                                | 4H  | 11.7             | 12.1 | 12.5 | 12.8          | 13.8 | 8.8            | 9.2              | 9.6  | 9.9  | 10.9 |
|                                                    | 6H  | 14.3             | 14.7 | 15.2 | 15.5          | 16.4 | 10.5           | 10.8             | 11.3 | 11.6 | 12.6 |
|                                                    | 8H  | 16.0             | 16.3 | 16.8 | 17.1          | 18.1 | 11.4           | 11.6             | 12.2 | 12.5 | 13.5 |
| Variations with the observer position at spacings: |     |                  |      |      |               |      |                |                  |      |      |      |
| S = 1.0H                                           |     | + 0.1 / - 0.2    |      |      |               |      | + 0.2 / - 0.2  |                  |      |      |      |
| 1.5H                                               |     | + 0.2 / - 0.1    |      |      |               |      | + 0.2 / - 0.1  |                  |      |      |      |
| 2.0H                                               |     | + 0.3 / - 0.3    |      |      |               |      | + 0.1 / - 0.3  |                  |      |      |      |

CIE Pub.117 Corrected 5573 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.0)

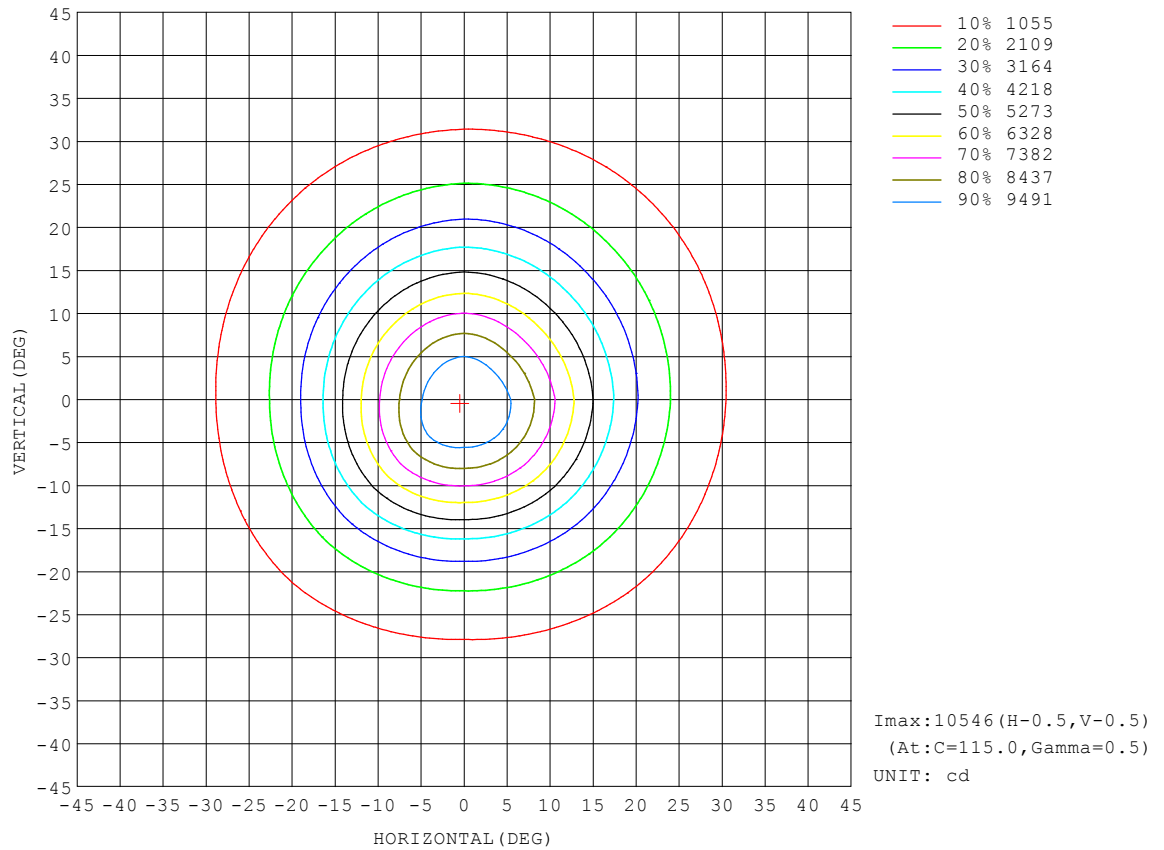
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:



## ISOCANDELA DIAGRAM

|                |                |                  |
|----------------|----------------|------------------|
| NAME: GEN10    | TYPE: 4250k    | WEIGHT:          |
| SPEC.:         | DIM.:          | SERIAL No.:      |
| MFR.: EVERFINE | SUR.: 1.2*0.24 | Shielding Angle: |

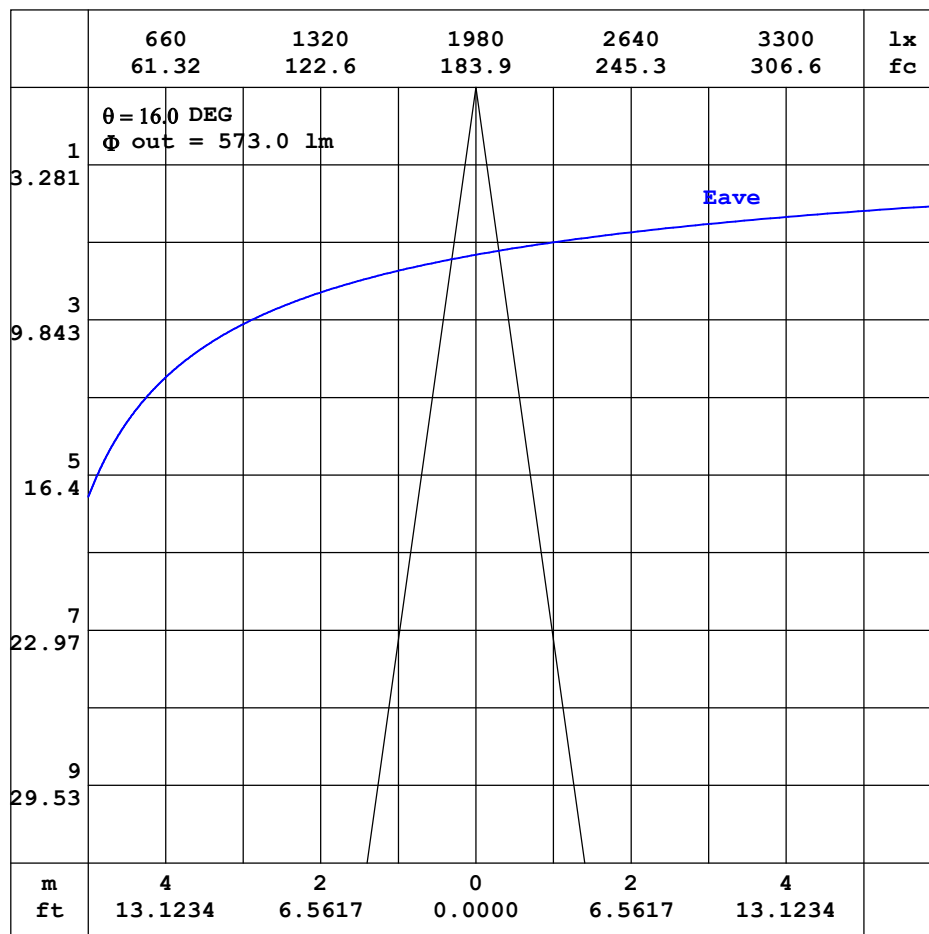


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## AAI CURVES

|                |               |                  |
|----------------|---------------|------------------|
| NAME: GEN10    | TYPE:4250k    | WEIGHT:          |
| SPEC.:         | DIM.:         | SERIAL No.:      |
| MFR.: EVERFINE | SUR.:1.2*0.24 | Shielding Angle: |



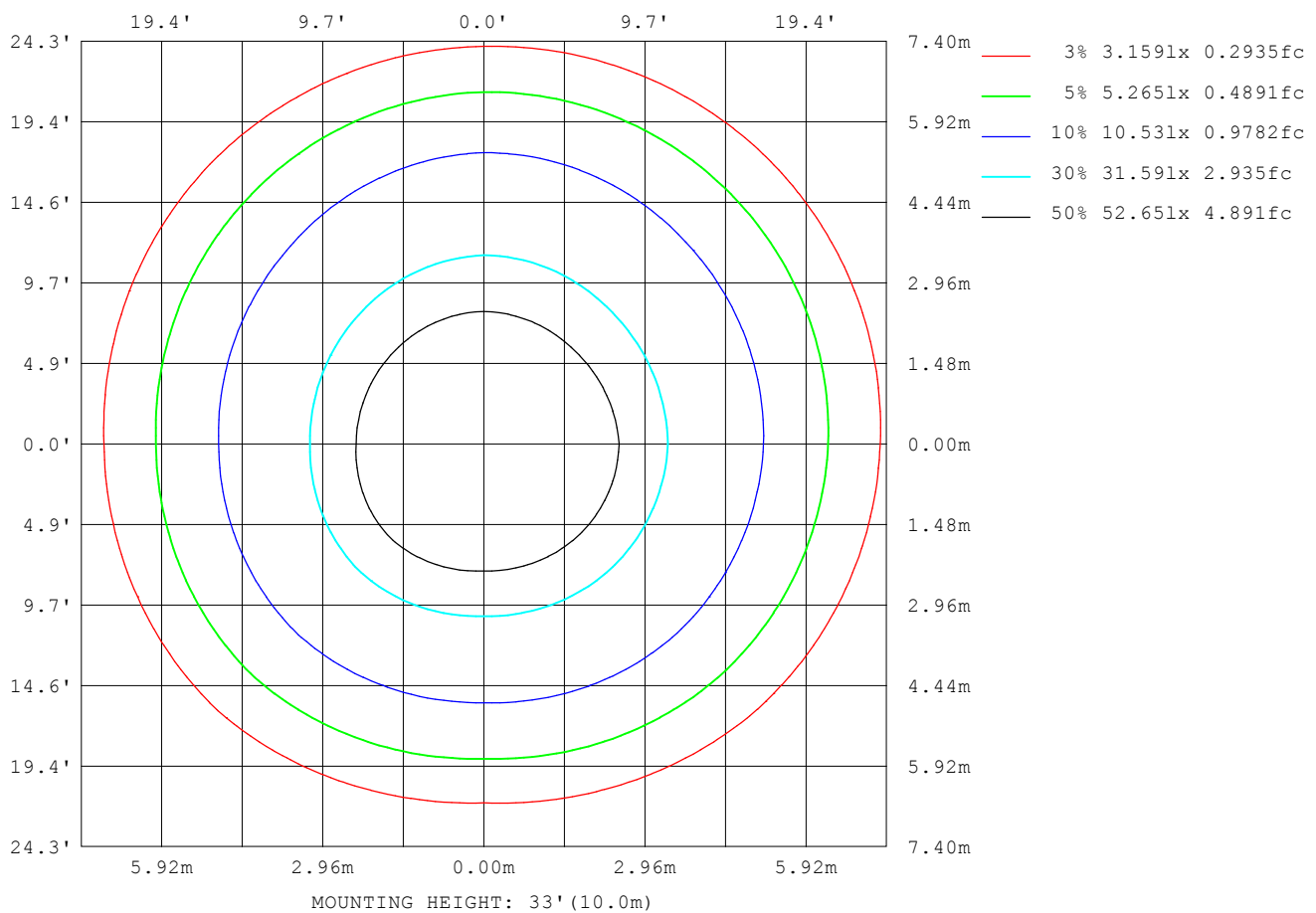
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|                |                |                  |
|----------------|----------------|------------------|
| NAME: GEN10    | TYPE: 4250k    | WEIGHT:          |
| SPEC.:         | DIM.:          | SERIAL No.:      |
| MFR.: EVERFINE | SUR.: 1.2*0.24 | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                |               |                  |
|----------------|---------------|------------------|
| NAME: GEN10    | TYPE:4250k    | WEIGHT:          |
| SPEC.:         | DIM.:         | SERIAL No.:      |
| MFR.: EVERFINE | SUR.:1.2*0.24 | Shielding Angle: |

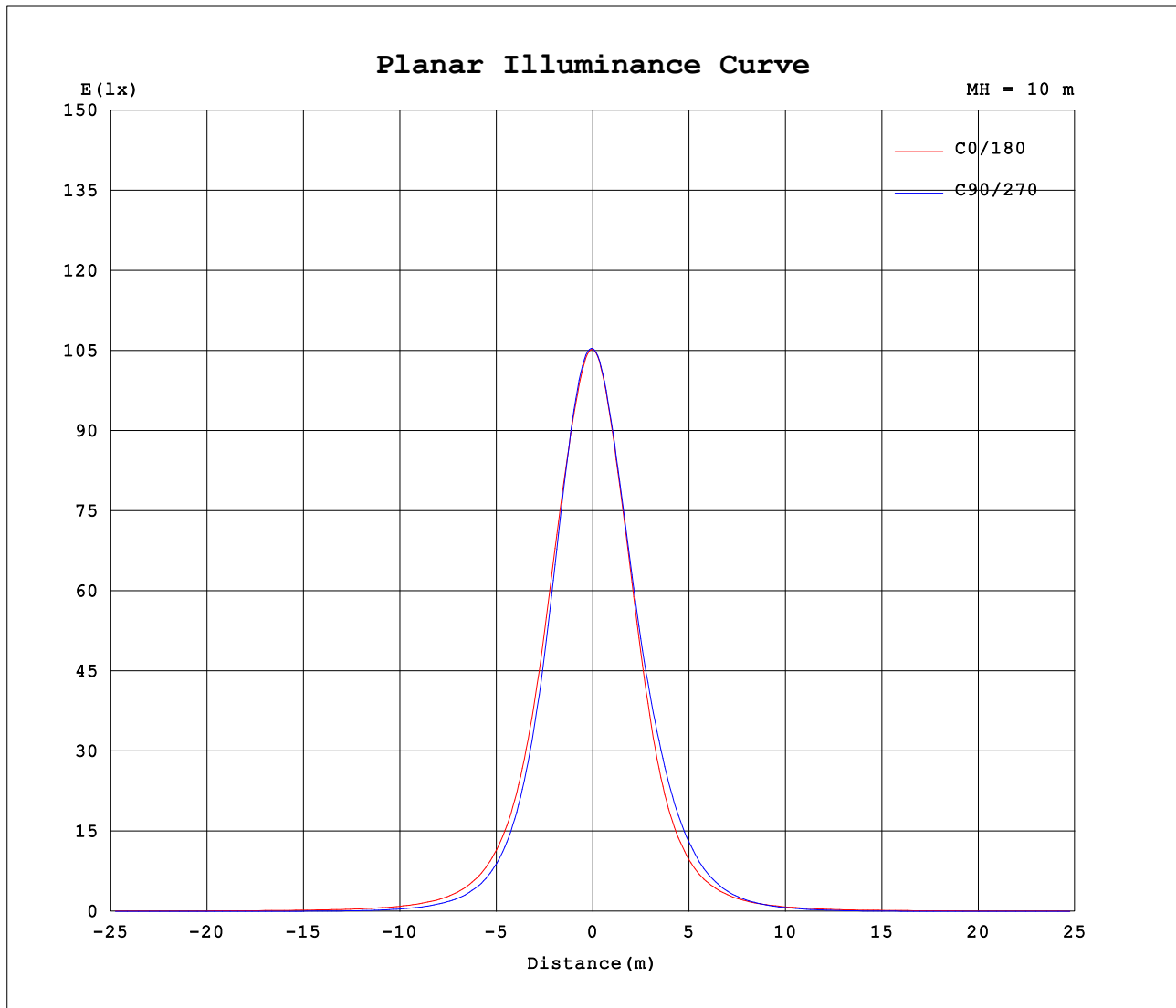
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 928   |
| L_0~180 (75) av  | 1405  |
| L_0~180 (85) av  | 4724  |
| L_90~270 (65) av | 99    |
| L_90~270 (75) av | 29    |
| L_90~270 (85) av | 59    |
| L_45 (65) av     | 850   |
| L_45 (75) av     | 1321  |
| L_45 (85) av     | 4576  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                |                |                  |
|----------------|----------------|------------------|
| NAME: GEN10    | TYPE: 4250k    | WEIGHT:          |
| SPEC.:         | DIM.:          | SERIAL No.:      |
| MFR.: EVERFINE | SUR.: 1.2*0.24 | Shielding Angle: |

Table--1

UNIT: ×10cd

| γ (DEG) \ C (DEG) | 0    | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                 | 1053 | 1052 | 1052 | 1051 | 1051 | 1051 | 1051 | 1050 | 1050 | 1050 | 1051 | 1051 | 1052 | 1052 | 1052 | 1053 | 1053 | 1054 | 1054 |
| 5                 | 962  | 965  | 966  | 968  | 970  | 971  | 972  | 973  | 974  | 974  | 974  | 974  | 973  | 973  | 972  | 972  | 971  | 971  | 971  |
| 10                | 764  | 764  | 763  | 762  | 761  | 760  | 759  | 758  | 757  | 756  | 753  | 751  | 749  | 747  | 746  | 744  | 743  | 742  | 741  |
| 15                | 527  | 525  | 523  | 521  | 518  | 516  | 513  | 511  | 508  | 505  | 501  | 497  | 493  | 489  | 486  | 483  | 480  | 478  | 477  |
| 20                | 324  | 321  | 318  | 315  | 313  | 310  | 307  | 305  | 302  | 299  | 296  | 293  | 289  | 286  | 284  | 281  | 279  | 277  | 276  |
| 25                | 189  | 188  | 186  | 184  | 182  | 180  | 178  | 176  | 174  | 172  | 169  | 166  | 163  | 161  | 158  | 156  | 154  | 152  | 151  |
| 30                | 111  | 109  | 108  | 106  | 105  | 103  | 102  | 100  | 98.6 | 97.0 | 94.8 | 92.7 | 90.7 | 88.7 | 86.8 | 85.2 | 83.7 | 82.6 | 81.7 |
| 35                | 66.7 | 65.8 | 64.8 | 63.9 | 62.9 | 61.8 | 60.7 | 59.6 | 58.5 | 57.3 | 55.6 | 53.9 | 52.3 | 50.7 | 49.2 | 47.9 | 46.7 | 45.8 | 45.1 |
| 40                | 41.6 | 41.2 | 40.7 | 40.2 | 39.6 | 38.9 | 38.2 | 37.4 | 36.6 | 35.7 | 34.3 | 32.8 | 31.4 | 30.0 | 28.6 | 27.4 | 26.4 | 25.5 | 24.8 |
| 45                | 27.8 | 27.9 | 27.8 | 27.7 | 27.4 | 27.0 | 26.6 | 26.0 | 25.4 | 24.6 | 23.2 | 21.8 | 20.4 | 18.9 | 17.5 | 16.3 | 15.1 | 14.1 | 13.4 |
| 50                | 19.6 | 19.9 | 20.0 | 20.1 | 20.0 | 19.8 | 19.5 | 19.1 | 18.5 | 17.9 | 16.5 | 15.1 | 13.7 | 12.3 | 10.9 | 9.59 | 8.43 | 7.44 | 6.66 |
| 55                | 14.6 | 14.9 | 15.1 | 15.3 | 15.3 | 15.2 | 15.0 | 14.6 | 14.2 | 13.6 | 12.5 | 11.2 | 9.90 | 8.60 | 7.35 | 6.18 | 5.12 | 4.22 | 3.52 |
| 60                | 12.7 | 13.0 | 13.2 | 13.3 | 13.2 | 13.1 | 12.9 | 12.5 | 12.1 | 11.5 | 10.4 | 9.22 | 8.00 | 6.78 | 5.60 | 4.50 | 3.51 | 2.67 | 2.02 |
| 65                | 11.9 | 12.3 | 12.5 | 12.7 | 12.7 | 12.7 | 12.4 | 12.1 | 11.7 | 11.1 | 9.95 | 8.67 | 7.36 | 6.05 | 4.78 | 3.58 | 2.50 | 1.57 | 0.84 |
| 70                | 10.6 | 11.1 | 11.6 | 11.9 | 12.1 | 12.1 | 12.0 | 11.8 | 11.4 | 10.9 | 9.70 | 8.42 | 7.08 | 5.74 | 4.42 | 3.18 | 2.05 | 1.06 | 0.28 |
| 75                | 10.8 | 11.4 | 11.7 | 12.0 | 12.1 | 12.1 | 11.9 | 11.7 | 11.3 | 10.7 | 9.55 | 8.26 | 6.93 | 5.59 | 4.29 | 3.06 | 1.95 | 0.99 | 0.22 |
| 80                | 11.5 | 12.0 | 12.4 | 12.6 | 12.7 | 12.7 | 12.5 | 12.3 | 11.8 | 11.3 | 9.98 | 8.61 | 7.20 | 5.78 | 4.41 | 3.11 | 1.95 | 0.96 | 0.18 |
| 85                | 12.3 | 12.8 | 13.2 | 13.4 | 13.5 | 13.5 | 13.3 | 13.0 | 12.6 | 12.0 | 10.6 | 9.12 | 7.60 | 6.09 | 4.61 | 3.23 | 2.00 | 0.95 | 0.13 |
| 90                | 13.1 | 13.7 | 14.1 | 14.4 | 14.5 | 14.5 | 14.3 | 14.0 | 13.5 | 12.9 | 11.4 | 9.80 | 8.16 | 6.53 | 4.94 | 3.46 | 2.13 | 1.01 | 0.14 |
| 95                | 14.3 | 14.9 | 15.3 | 15.5 | 15.7 | 15.6 | 15.4 | 15.1 | 14.6 | 13.9 | 12.4 | 10.8 | 9.11 | 7.45 | 5.84 | 4.33 | 2.97 | 1.83 | 0.94 |
| 100               | 15.6 | 16.4 | 17.1 | 17.6 | 17.9 | 18.0 | 18.0 | 17.7 | 17.3 | 16.6 | 15.1 | 13.4 | 11.6 | 9.77 | 8.00 | 6.32 | 4.79 | 3.46 | 2.39 |
| 105               | 17.9 | 19.4 | 20.7 | 21.6 | 22.3 | 22.8 | 22.9 | 22.5 | 21.9 | 20.1 | 18.1 | 15.9 | 13.7 | 11.5 | 9.43 | 7.48 | 5.73 | 4.27 |      |
| 110               | 22.5 | 24.4 | 26.0 | 27.3 | 28.3 | 28.9 | 29.1 | 29.1 | 28.7 | 28.0 | 25.8 | 23.3 | 20.7 | 18.0 | 15.3 | 12.7 | 10.3 | 8.14 | 6.33 |
| 115               | 29.9 | 31.6 | 33.0 | 34.0 | 34.7 | 35.1 | 35.1 | 34.8 | 34.1 | 33.1 | 30.4 | 27.6 | 24.5 | 21.5 | 18.4 | 15.5 | 12.8 | 10.4 | 8.49 |
| 120               | 38.9 | 39.8 | 40.4 | 40.7 | 40.7 | 40.4 | 39.8 | 39.0 | 37.8 | 36.4 | 33.4 | 30.2 | 26.9 | 23.7 | 20.5 | 17.5 | 14.8 | 12.5 | 10.6 |
| 125               | 47.0 | 47.1 | 46.9 | 46.4 | 45.8 | 44.9 | 43.8 | 42.4 | 40.9 | 39.1 | 35.8 | 32.4 | 29.0 | 25.6 | 22.4 | 19.4 | 16.8 | 14.5 | 12.8 |
| 130               | 52.2 | 51.6 | 50.9 | 50.0 | 49.0 | 47.7 | 46.3 | 44.7 | 42.9 | 40.9 | 37.6 | 34.1 | 30.7 | 27.4 | 24.2 | 21.3 | 18.7 | 16.6 | 15.1 |
| 135               | 54.6 | 53.7 | 52.7 | 51.5 | 50.2 | 48.8 | 47.2 | 45.5 | 43.6 | 41.6 | 38.3 | 35.0 | 31.7 | 28.6 | 25.6 | 22.9 | 20.5 | 18.6 | 17.2 |
| 140               | 54.9 | 53.8 | 52.5 | 51.1 | 49.7 | 48.1 | 46.5 | 44.7 | 42.9 | 40.9 | 38.0 | 34.9 | 32.0 | 29.1 | 26.5 | 24.1 | 22.1 | 20.4 | 19.3 |
| 145               | 53.7 | 52.3 | 50.8 | 49.3 | 47.8 | 46.2 | 44.6 | 42.9 | 41.2 | 39.4 | 36.8 | 34.2 | 31.7 | 29.3 | 27.1 | 25.1 | 23.4 | 22.1 | 21.2 |
| 150               | 50.8 | 49.2 | 47.6 | 46.0 | 44.4 | 42.8 | 41.2 | 39.7 | 38.1 | 36.6 | 34.5 | 32.4 | 30.5 | 28.7 | 27.0 | 25.6 | 24.4 | 23.5 | 23.0 |
| 155               | 46.0 | 44.1 | 42.3 | 40.6 | 38.9 | 37.3 | 35.9 | 34.5 | 33.1 | 31.9 | 30.5 | 29.2 | 28.0 | 27.0 | 26.1 | 25.4 | 24.9 | 24.6 | 24.5 |
| 160               | 39.4 | 37.6 | 35.8 | 34.2 | 32.8 | 31.4 | 30.2 | 29.1 | 28.2 | 27.4 | 26.7 | 26.1 | 25.7 | 25.4 | 25.2 | 25.2 | 25.3 | 25.5 | 25.8 |
| 165               | 33.2 | 32.2 | 31.2 | 30.3 | 29.5 | 28.8 | 28.1 | 27.6 | 27.1 | 26.7 | 26.4 | 26.1 | 26.0 | 25.9 | 26.0 | 26.0 | 26.2 | 26.4 | 26.8 |
| 170               | 28.9 | 28.7 | 28.5 | 28.3 | 28.1 | 28.0 | 27.8 | 27.7 | 27.6 | 27.5 | 27.4 | 27.3 | 27.2 | 27.2 | 27.2 | 27.2 | 27.3 | 27.3 | 27.5 |
| 175               | 28.3 | 28.2 | 28.1 | 28.0 | 27.9 | 27.8 | 27.8 | 27.7 | 27.7 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.7 | 27.7 |
| 180               | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                |                |                  |
|----------------|----------------|------------------|
| NAME: GEN10    | TYPE: 4250k    | WEIGHT:          |
| SPEC.:         | DIM.:          | SERIAL No.:      |
| MFR.: EVERFINE | SUR.: 1.2*0.24 | Shielding Angle: |

Table--2

UNIT: ×10cd

| C (DEG)<br>γ (DEG) | 95   | 100  | 105  | 110  | 115  | 120  | 125  | 130  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  | 185  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 1054 | 1054 | 1054 | 1054 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1052 |
| 5                  | 972  | 974  | 976  | 977  | 979  | 980  | 981  | 981  | 981  | 978  | 975  | 971  | 966  | 962  | 957  | 953  | 948  | 944  | 942  |
| 10                 | 744  | 746  | 749  | 752  | 755  | 758  | 760  | 762  | 764  | 761  | 758  | 754  | 750  | 746  | 742  | 737  | 733  | 729  | 727  |
| 15                 | 479  | 483  | 487  | 491  | 495  | 500  | 504  | 507  | 510  | 509  | 506  | 504  | 501  | 498  | 494  | 491  | 488  | 486  | 485  |
| 20                 | 278  | 279  | 282  | 284  | 286  | 289  | 291  | 294  | 296  | 294  | 293  | 291  | 289  | 288  | 286  | 284  | 283  | 282  | 284  |
| 25                 | 151  | 153  | 154  | 156  | 158  | 159  | 161  | 163  | 165  | 165  | 165  | 164  | 164  | 163  | 163  | 163  | 163  | 163  | 164  |
| 30                 | 82.4 | 83.3 | 84.5 | 85.9 | 87.4 | 89.0 | 90.5 | 92.1 | 93.5 | 93.6 | 93.6 | 93.6 | 93.4 | 93.3 | 93.2 | 93.2 | 93.2 | 93.4 | 94.4 |
| 35                 | 45.6 | 46.5 | 47.5 | 48.6 | 49.9 | 51.2 | 52.5 | 53.9 | 55.1 | 55.5 | 55.8 | 56.0 | 56.1 | 56.2 | 56.3 | 56.5 | 56.6 | 56.8 | 57.5 |
| 40                 | 25.4 | 26.1 | 27.1 | 28.2 | 29.3 | 30.6 | 31.8 | 33.1 | 34.3 | 34.7 | 35.1 | 35.4 | 35.6 | 35.8 | 36.0 | 36.1 | 36.2 | 36.3 | 36.6 |
| 45                 | 13.9 | 14.7 | 15.7 | 16.8 | 18.0 | 19.2 | 20.5 | 21.7 | 22.9 | 23.4 | 23.8 | 24.1 | 24.3 | 24.4 | 24.6 | 24.6 | 24.7 | 24.7 | 24.8 |
| 50                 | 7.22 | 8.00 | 8.96 | 10.0 | 11.2 | 12.5 | 13.7 | 15.0 | 16.1 | 16.5 | 16.8 | 17.0 | 17.2 | 17.2 | 17.3 | 17.3 | 17.2 | 17.2 | 17.4 |
| 55                 | 4.05 | 4.78 | 5.67 | 6.69 | 7.78 | 8.93 | 10.1 | 11.2 | 12.3 | 12.6 | 12.9 | 13.0 | 13.1 | 13.2 | 13.2 | 13.1 | 13.0 | 12.9 | 13.1 |
| 60                 | 2.52 | 3.22 | 4.06 | 5.02 | 6.07 | 7.16 | 8.26 | 9.35 | 10.4 | 10.8 | 11.1 | 11.3 | 11.4 | 11.5 | 11.5 | 11.5 | 11.5 | 11.4 | 11.5 |
| 65                 | 1.35 | 2.05 | 2.91 | 3.90 | 4.98 | 6.11 | 7.26 | 8.38 | 9.46 | 9.87 | 10.2 | 10.4 | 10.6 | 10.7 | 10.8 | 10.8 | 10.8 | 10.7 | 10.8 |
| 70                 | 0.75 | 1.42 | 2.25 | 3.21 | 4.26 | 5.36 | 6.48 | 7.58 | 8.62 | 8.97 | 9.24 | 9.44 | 9.57 | 9.65 | 9.68 | 9.67 | 9.63 | 9.58 | 9.79 |
| 75                 | 0.72 | 1.42 | 2.28 | 3.26 | 4.34 | 5.48 | 6.63 | 7.76 | 8.84 | 9.24 | 9.56 | 9.81 | 9.98 | 10.1 | 10.2 | 10.2 | 10.2 | 10.1 | 10.3 |
| 80                 | 0.79 | 1.62 | 2.62 | 3.76 | 4.99 | 6.27 | 7.57 | 8.83 | 10.0 | 10.4 | 10.7 | 10.9 | 11.0 | 11.0 | 11.0 | 11.0 | 10.9 | 10.7 | 10.9 |
| 85                 | 0.85 | 1.80 | 2.94 | 4.22 | 5.60 | 7.04 | 8.48 | 9.88 | 11.2 | 11.6 | 11.8 | 12.0 | 12.1 | 12.0 | 12.0 | 11.8 | 11.7 | 11.5 | 11.6 |
| 90                 | 0.94 | 1.99 | 3.25 | 4.66 | 6.18 | 7.75 | 9.32 | 10.8 | 12.3 | 12.7 | 12.9 | 13.0 | 13.1 | 13.0 | 12.9 | 12.7 | 12.4 | 12.2 | 12.3 |
| 95                 | 1.73 | 2.78 | 4.04 | 5.45 | 6.97 | 8.55 | 10.1 | 11.7 | 13.1 | 13.5 | 13.8 | 13.9 | 14.0 | 13.9 | 13.8 | 13.6 | 13.4 | 13.1 | 13.3 |
| 100                | 3.05 | 3.97 | 5.10 | 6.40 | 7.81 | 9.30 | 10.8 | 12.3 | 13.7 | 14.1 | 14.4 | 14.6 | 14.7 | 14.8 | 14.7 | 14.6 | 14.5 | 14.3 | 14.4 |
| 105                | 4.81 | 5.65 | 6.74 | 8.01 | 9.42 | 10.9 | 12.4 | 13.9 | 15.3 | 15.7 | 15.9 | 16.0 | 16.1 | 16.0 | 15.9 | 15.7 | 15.5 | 15.3 | 15.4 |
| 110                | 7.02 | 8.06 | 9.40 | 11.0 | 12.7 | 14.5 | 16.3 | 18.1 | 19.7 | 19.9 | 19.9 | 19.7 | 19.5 | 19.2 | 18.8 | 18.3 | 17.8 | 17.4 | 17.6 |
| 115                | 9.44 | 10.8 | 12.5 | 14.5 | 16.7 | 18.9 | 21.2 | 23.3 | 25.3 | 25.5 | 25.4 | 25.2 | 24.8 | 24.3 | 23.7 | 23.1 | 22.5 | 21.9 | 22.1 |
| 120                | 12.0 | 13.8 | 15.9 | 18.4 | 21.0 | 23.8 | 26.5 | 29.1 | 31.5 | 31.7 | 31.7 | 31.5 | 31.1 | 30.5 | 29.8 | 29.1 | 28.3 | 27.6 | 27.9 |
| 125                | 14.4 | 16.4 | 18.9 | 21.6 | 24.6 | 27.6 | 30.7 | 33.7 | 36.4 | 37.0 | 37.3 | 37.4 | 37.3 | 37.0 | 36.5 | 36.0 | 35.4 | 34.8 | 35.0 |
| 130                | 16.6 | 18.7 | 21.2 | 24.1 | 27.2 | 30.4 | 33.6 | 36.8 | 39.8 | 41.0 | 41.9 | 42.6 | 43.1 | 43.5 | 43.6 | 43.6 | 43.4 | 43.1 | 43.1 |
| 135                | 18.7 | 20.8 | 23.2 | 26.0 | 29.1 | 32.3 | 35.5 | 38.7 | 41.8 | 43.5 | 45.0 | 46.2 | 47.2 | 48.1 | 48.7 | 49.1 | 49.3 | 49.3 | 49.0 |
| 140                | 20.7 | 22.6 | 24.9 | 27.5 | 30.3 | 33.3 | 36.4 | 39.4 | 42.4 | 44.3 | 45.9 | 47.4 | 48.7 | 49.8 | 50.7 | 51.3 | 51.7 | 51.8 | 51.4 |
| 145                | 22.5 | 24.2 | 26.3 | 28.6 | 31.1 | 33.8 | 36.5 | 39.3 | 42.0 | 43.9 | 45.7 | 47.3 | 48.7 | 49.9 | 50.9 | 51.7 | 52.2 | 52.4 | 51.9 |
| 150                | 24.1 | 25.6 | 27.3 | 29.3 | 31.4 | 33.7 | 36.0 | 38.4 | 40.7 | 42.5 | 44.2 | 45.8 | 47.2 | 48.5 | 49.5 | 50.3 | 50.9 | 51.2 | 50.6 |
| 155                | 25.4 | 26.5 | 27.8 | 29.2 | 30.8 | 32.4 | 34.1 | 35.9 | 37.6 | 39.2 | 40.8 | 42.2 | 43.6 | 44.8 | 45.8 | 46.7 | 47.3 | 47.7 | 47.0 |
| 160                | 26.5 | 27.3 | 28.1 | 29.1 | 30.1 | 31.2 | 32.3 | 33.4 | 34.5 | 35.6 | 36.8 | 37.8 | 38.8 | 39.7 | 40.5 | 41.2 | 41.7 | 42.0 | 41.5 |
| 165                | 27.2 | 27.8 | 28.4 | 29.1 | 29.7 | 30.4 | 31.1 | 31.8 | 32.5 | 33.2 | 33.8 | 34.4 | 34.9 | 35.4 | 35.8 | 36.1 | 36.3 | 36.4 | 36.1 |
| 170                | 27.7 | 28.0 | 28.3 | 28.6 | 29.0 | 29.3 | 29.7 | 30.0 | 30.3 | 30.6 | 30.9 | 31.1 | 31.3 | 31.5 | 31.6 | 31.7 | 31.8 | 31.8 | 31.6 |
| 175                | 27.8 | 27.9 | 28.0 | 28.2 | 28.3 | 28.4 | 28.5 | 28.6 | 28.7 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.7 | 28.7 | 28.6 |
| 180                | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 |

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature: 25.3DEG

Operators:

Test Date:

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353

Humidity: 65.0%

Test Distance: 10.000m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                |                |                  |
|----------------|----------------|------------------|
| NAME: GEN10    | TYPE: 4250k    | WEIGHT:          |
| SPEC.:         | DIM.:          | SERIAL No.:      |
| MFR.: EVERFINE | SUR.: 1.2*0.24 | Shielding Angle: |

Table--3

UNIT: ×10cd

| γ (DEG) \ C (DEG) | 190  | 195  | 200  | 205  | 210  | 215  | 220   | 225  | 230  | 235  | 240  | 245  | 250  | 255  | 260  | 265  | 270  | 275  | 280  |
|-------------------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                 | 1052 | 1052 | 1051 | 1051 | 1051 | 1051 | 1051  | 1050 | 1051 | 1051 | 1052 | 1052 | 1052 | 1053 | 1053 | 1054 | 1054 | 1054 | 1054 |
| 5                 | 941  | 939  | 938  | 937  | 937  | 937  | 937   | 937  | 938  | 940  | 941  | 942  | 944  | 945  | 947  | 948  | 949  | 948  | 946  |
| 10                | 725  | 724  | 723  | 723  | 723  | 723  | 723   | 723  | 725  | 727  | 729  | 731  | 733  | 734  | 736  | 738  | 739  | 737  | 736  |
| 15                | 486  | 486  | 488  | 489  | 490  | 492  | 494   | 497  | 499  | 502  | 505  | 508  | 511  | 513  | 516  | 518  | 519  | 518  | 517  |
| 20                | 286  | 288  | 291  | 294  | 298  | 302  | 305   | 310  | 314  | 319  | 324  | 328  | 332  | 336  | 340  | 343  | 345  | 345  | 344  |
| 25                | 166  | 167  | 169  | 172  | 174  | 177  | 180   | 183  | 186  | 190  | 194  | 198  | 202  | 205  | 208  | 211  | 213  | 213  | 212  |
| 30                | 95.6 | 96.9 | 98.3 | 99.9 | 101  | 103  | 105   | 107  | 109  | 111  | 113  | 115  | 117  | 119  | 121  | 122  | 124  | 124  | 124  |
| 35                | 58.2 | 59.0 | 59.8 | 60.6 | 61.4 | 62.3 | 63.1  | 63.9 | 64.6 | 65.2 | 65.8 | 66.4 | 67.0 | 67.5 | 68.0 | 68.4 | 68.9 | 69.3 | 69.8 |
| 40                | 36.8 | 37.1 | 37.4 | 37.6 | 37.9 | 38.1 | 38.3  | 38.4 | 38.4 | 38.3 | 38.2 | 38.0 | 37.9 | 37.9 | 37.8 | 37.8 | 37.8 | 38.3 | 38.8 |
| 45                | 25.0 | 25.1 | 25.2 | 25.3 | 25.3 | 25.3 | 25.2  | 25.1 | 24.5 | 24.0 | 23.4 | 22.8 | 22.2 | 21.7 | 21.3 | 20.9 | 20.7 | 21.2 | 21.8 |
| 50                | 17.6 | 17.8 | 18.0 | 18.1 | 18.1 | 18.1 | 18.0  | 17.8 | 16.9 | 16.0 | 15.0 | 14.0 | 13.1 | 12.2 | 11.4 | 10.8 | 10.3 | 11.0 | 11.7 |
| 55                | 13.3 | 13.4 | 13.5 | 13.5 | 13.5 | 13.4 | 13.3  | 13.0 | 12.1 | 11.1 | 10.0 | 8.96 | 7.95 | 7.02 | 6.20 | 5.52 | 5.03 | 5.70 | 6.56 |
| 60                | 11.5 | 11.5 | 11.5 | 11.4 | 11.3 | 11.0 | 10.8  | 10.4 | 9.46 | 8.46 | 7.44 | 6.43 | 5.48 | 4.60 | 3.83 | 3.21 | 2.76 | 3.42 | 4.25 |
| 65                | 10.8 | 10.9 | 10.8 | 10.8 | 10.6 | 10.4 | 10.1  | 9.73 | 8.72 | 7.66 | 6.58 | 5.51 | 4.49 | 3.55 | 2.73 | 2.06 | 1.57 | 2.23 | 3.08 |
| 70                | 9.98 | 10.1 | 10.2 | 10.3 | 10.3 | 10.2 | 10.00 | 9.70 | 8.61 | 7.43 | 6.22 | 5.02 | 3.85 | 2.77 | 1.82 | 1.02 | 0.43 | 1.16 | 2.09 |
| 75                | 10.4 | 10.4 | 10.5 | 10.4 | 10.3 | 10.1 | 9.87  | 9.50 | 8.39 | 7.20 | 5.99 | 4.78 | 3.62 | 2.54 | 1.59 | 0.80 | 0.21 | 0.91 | 1.80 |
| 80                | 11.0 | 11.1 | 11.2 | 11.2 | 11.1 | 10.9 | 10.7  | 10.3 | 9.08 | 7.79 | 6.48 | 5.17 | 3.91 | 2.73 | 1.69 | 0.83 | 0.18 | 0.92 | 1.87 |
| 85                | 11.7 | 11.8 | 11.8 | 11.8 | 11.7 | 11.5 | 11.2  | 10.8 | 9.52 | 8.16 | 6.76 | 5.38 | 4.05 | 2.81 | 1.73 | 0.83 | 0.16 | 0.99 | 2.04 |
| 90                | 12.4 | 12.5 | 12.5 | 12.4 | 12.3 | 12.1 | 11.8  | 11.3 | 9.97 | 8.53 | 7.06 | 5.59 | 4.19 | 2.90 | 1.77 | 0.83 | 0.15 | 1.06 | 2.22 |
| 95                | 13.3 | 13.4 | 13.4 | 13.3 | 13.1 | 12.9 | 12.5  | 12.0 | 10.6 | 9.08 | 7.52 | 5.97 | 4.50 | 3.14 | 1.94 | 0.96 | 0.25 | 1.22 | 2.46 |
| 100               | 14.4 | 14.5 | 14.4 | 14.3 | 14.1 | 13.8 | 13.5  | 13.0 | 11.5 | 10.0 | 8.53 | 7.02 | 5.59 | 4.27 | 3.12 | 2.18 | 1.50 | 2.48 | 3.72 |
| 105               | 15.4 | 15.5 | 15.4 | 15.4 | 15.2 | 15.0 | 14.7  | 14.2 | 12.8 | 11.4 | 9.90 | 8.45 | 7.07 | 5.83 | 4.76 | 3.92 | 3.36 | 4.58 | 6.07 |
| 110               | 17.8 | 18.1 | 18.3 | 18.4 | 18.5 | 18.4 | 18.3  | 18.0 | 16.5 | 14.8 | 13.1 | 11.4 | 9.82 | 8.37 | 7.13 | 6.16 | 5.51 | 7.05 | 8.90 |
| 115               | 22.4 | 22.7 | 22.9 | 23.1 | 23.2 | 23.2 | 23.1  | 22.7 | 20.9 | 18.9 | 16.8 | 14.8 | 12.9 | 11.1 | 9.64 | 8.46 | 7.68 | 9.48 | 11.7 |
| 120               | 28.2 | 28.4 | 28.7 | 28.9 | 28.9 | 28.8 | 28.6  | 28.1 | 25.9 | 23.5 | 21.0 | 18.6 | 16.2 | 14.1 | 12.3 | 10.8 | 9.75 | 11.6 | 13.9 |
| 125               | 35.1 | 35.3 | 35.3 | 35.2 | 35.0 | 34.7 | 34.1  | 33.3 | 30.7 | 27.9 | 25.0 | 22.2 | 19.5 | 17.0 | 14.8 | 13.0 | 11.8 | 13.5 | 15.8 |
| 130               | 42.9 | 42.6 | 42.2 | 41.6 | 40.9 | 39.9 | 38.8  | 37.4 | 34.5 | 31.4 | 28.2 | 25.2 | 22.2 | 19.6 | 17.2 | 15.3 | 13.8 | 15.4 | 17.4 |
| 135               | 48.5 | 47.8 | 46.9 | 45.8 | 44.5 | 43.0 | 41.4  | 39.5 | 36.5 | 33.3 | 30.2 | 27.1 | 24.2 | 21.6 | 19.2 | 17.3 | 15.9 | 17.2 | 19.0 |
| 140               | 50.7 | 49.8 | 48.7 | 47.3 | 45.8 | 44.1 | 42.2  | 40.2 | 37.3 | 34.3 | 31.3 | 28.4 | 25.7 | 23.2 | 21.0 | 19.2 | 17.9 | 18.9 | 20.4 |
| 145               | 51.0 | 49.9 | 48.6 | 47.1 | 45.4 | 43.6 | 41.7  | 39.6 | 36.9 | 34.3 | 31.6 | 29.1 | 26.7 | 24.5 | 22.6 | 21.0 | 19.9 | 20.6 | 21.7 |
| 150               | 49.7 | 48.5 | 47.2 | 45.6 | 43.9 | 42.1 | 40.2  | 38.2 | 36.0 | 33.7 | 31.5 | 29.4 | 27.4 | 25.6 | 24.0 | 22.7 | 21.7 | 22.1 | 22.8 |
| 155               | 46.1 | 45.0 | 43.7 | 42.3 | 40.7 | 39.0 | 37.3  | 35.6 | 33.8 | 32.1 | 30.5 | 28.9 | 27.5 | 26.1 | 25.0 | 24.1 | 23.3 | 23.5 | 23.9 |
| 160               | 40.9 | 40.1 | 39.2 | 38.1 | 37.0 | 35.8 | 34.6  | 33.4 | 32.2 | 31.0 | 29.8 | 28.8 | 27.7 | 26.8 | 26.0 | 25.3 | 24.8 | 24.8 | 24.9 |
| 165               | 35.8 | 35.3 | 34.7 | 34.1 | 33.4 | 32.7 | 32.0  | 31.3 | 30.5 | 29.8 | 29.1 | 28.5 | 27.9 | 27.3 | 26.8 | 26.3 | 25.9 | 25.9 | 25.9 |
| 170               | 31.3 | 31.0 | 30.7 | 30.3 | 30.0 | 29.6 | 29.2  | 28.8 | 28.5 | 28.2 | 27.9 | 27.7 | 27.4 | 27.2 | 27.0 | 26.9 | 26.8 | 26.8 | 26.9 |
| 175               | 28.5 | 28.5 | 28.4 | 28.3 | 28.2 | 28.1 | 28.0  | 27.9 | 27.8 | 27.7 | 27.7 | 27.6 | 27.6 | 27.5 | 27.5 | 27.4 | 27.4 | 27.5 | 27.5 |
| 180               | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8  | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                |               |                  |
|----------------|---------------|------------------|
| NAME: GEN10    | TYPE:4250k    | WEIGHT:          |
| SPEC.:         | DIM.:         | SERIAL No.:      |
| MFR.: EVERFINE | SUR.:1.2*0.24 | Shielding Angle: |

Table--4

UNIT: ×10cd

| C (DEG)<br>γ (DEG) | 285  | 290  | 295  | 300  | 305  | 310  | 315  | 320  | 325  | 330  | 335  | 340  | 345  | 350  | 355  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0                  | 1054 | 1054 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1052 | 1052 | 1052 | 1052 | 1052 | 1052 | 1053 |  |  |  |  |
| 5                  | 945  | 943  | 942  | 941  | 939  | 939  | 938  | 939  | 940  | 942  | 945  | 947  | 950  | 954  | 958  |  |  |  |  |
| 10                 | 734  | 732  | 730  | 729  | 727  | 727  | 726  | 728  | 730  | 733  | 737  | 741  | 746  | 752  | 758  |  |  |  |  |
| 15                 | 516  | 514  | 512  | 511  | 509  | 508  | 507  | 507  | 508  | 510  | 512  | 514  | 517  | 520  | 523  |  |  |  |  |
| 20                 | 342  | 340  | 338  | 335  | 333  | 330  | 327  | 326  | 325  | 325  | 324  | 324  | 323  | 323  | 323  |  |  |  |  |
| 25                 | 211  | 210  | 208  | 206  | 204  | 202  | 200  | 198  | 197  | 196  | 195  | 194  | 193  | 191  | 190  |  |  |  |  |
| 30                 | 124  | 123  | 123  | 122  | 121  | 120  | 119  | 118  | 117  | 117  | 116  | 115  | 114  | 113  | 112  |  |  |  |  |
| 35                 | 70.2 | 70.5 | 70.8 | 71.1 | 71.2 | 71.3 | 71.3 | 71.2 | 70.9 | 70.6 | 70.1 | 69.6 | 69.0 | 68.3 | 67.5 |  |  |  |  |
| 40                 | 39.3 | 39.8 | 40.4 | 40.9 | 41.4 | 41.9 | 42.4 | 42.5 | 42.6 | 42.7 | 42.7 | 42.6 | 42.5 | 42.2 | 42.0 |  |  |  |  |
| 45                 | 22.5 | 23.2 | 24.1 | 24.9 | 25.7 | 26.5 | 27.3 | 27.6 | 27.9 | 28.1 | 28.3 | 28.3 | 28.3 | 28.2 | 28.1 |  |  |  |  |
| 50                 | 12.7 | 13.7 | 14.8 | 15.9 | 17.0 | 18.1 | 19.1 | 19.6 | 19.9 | 20.2 | 20.4 | 20.4 | 20.4 | 20.2 | 20.0 |  |  |  |  |
| 55                 | 7.55 | 8.65 | 9.82 | 11.0 | 12.2 | 13.4 | 14.4 | 14.9 | 15.3 | 15.5 | 15.6 | 15.7 | 15.6 | 15.3 | 15.0 |  |  |  |  |
| 60                 | 5.23 | 6.30 | 7.45 | 8.63 | 9.81 | 11.0 | 12.0 | 12.5 | 12.9 | 13.2 | 13.4 | 13.5 | 13.4 | 13.3 | 13.1 |  |  |  |  |
| 65                 | 4.07 | 5.17 | 6.34 | 7.55 | 8.76 | 9.94 | 11.0 | 11.6 | 12.0 | 12.3 | 12.5 | 12.6 | 12.6 | 12.4 | 12.2 |  |  |  |  |
| 70                 | 3.18 | 4.38 | 5.67 | 6.99 | 8.30 | 9.57 | 10.7 | 11.2 | 11.6 | 11.9 | 12.0 | 11.9 | 11.8 | 11.5 | 11.1 |  |  |  |  |
| 75                 | 2.85 | 4.02 | 5.27 | 6.57 | 7.86 | 9.12 | 10.3 | 10.8 | 11.2 | 11.5 | 11.7 | 11.8 | 11.7 | 11.5 | 11.3 |  |  |  |  |
| 80                 | 2.99 | 4.25 | 5.59 | 6.97 | 8.36 | 9.71 | 11.0 | 11.5 | 12.0 | 12.3 | 12.5 | 12.5 | 12.5 | 12.3 | 12.0 |  |  |  |  |
| 85                 | 3.29 | 4.67 | 6.13 | 7.65 | 9.16 | 10.6 | 12.0 | 12.6 | 13.0 | 13.4 | 13.5 | 13.6 | 13.4 | 13.2 | 12.8 |  |  |  |  |
| 90                 | 3.58 | 5.08 | 6.67 | 8.32 | 9.95 | 11.5 | 13.0 | 13.6 | 14.1 | 14.4 | 14.6 | 14.6 | 14.5 | 14.2 | 13.7 |  |  |  |  |
| 95                 | 3.90 | 5.50 | 7.20 | 8.95 | 10.7 | 12.4 | 14.0 | 14.6 | 15.2 | 15.5 | 15.7 | 15.8 | 15.6 | 15.4 | 14.9 |  |  |  |  |
| 100                | 5.16 | 6.75 | 8.44 | 10.2 | 11.9 | 13.6 | 15.2 | 15.9 | 16.4 | 16.8 | 17.0 | 16.9 | 16.9 | 16.6 | 16.2 |  |  |  |  |
| 105                | 7.77 | 9.62 | 11.6 | 13.5 | 15.5 | 17.3 | 19.0 | 19.7 | 20.2 | 20.5 | 20.6 | 20.5 | 20.2 | 19.6 | 18.9 |  |  |  |  |
| 110                | 11.0 | 13.3 | 15.6 | 18.0 | 20.4 | 22.6 | 24.7 | 25.5 | 26.0 | 26.3 | 26.3 | 26.1 | 25.6 | 24.8 | 23.8 |  |  |  |  |
| 115                | 14.1 | 16.8 | 19.7 | 22.5 | 25.4 | 28.1 | 30.6 | 31.7 | 32.5 | 33.0 | 33.2 | 33.1 | 32.7 | 32.1 | 31.1 |  |  |  |  |
| 120                | 16.6 | 19.6 | 22.7 | 25.9 | 29.1 | 32.3 | 35.2 | 36.7 | 37.9 | 38.9 | 39.6 | 40.0 | 40.1 | 40.0 | 39.6 |  |  |  |  |
| 125                | 18.4 | 21.4 | 24.6 | 28.0 | 31.4 | 34.8 | 38.1 | 39.9 | 41.6 | 43.0 | 44.2 | 45.2 | 46.0 | 46.5 | 46.9 |  |  |  |  |
| 130                | 19.9 | 22.8 | 25.9 | 29.2 | 32.5 | 36.0 | 39.3 | 41.3 | 43.2 | 45.0 | 46.6 | 48.0 | 49.3 | 50.4 | 51.3 |  |  |  |  |
| 135                | 21.2 | 23.8 | 26.7 | 29.7 | 32.9 | 36.2 | 39.4 | 41.5 | 43.5 | 45.4 | 47.1 | 48.8 | 50.4 | 51.9 | 53.3 |  |  |  |  |
| 140                | 22.3 | 24.5 | 27.0 | 29.7 | 32.6 | 35.5 | 38.4 | 40.4 | 42.4 | 44.4 | 46.3 | 48.1 | 49.9 | 51.6 | 53.3 |  |  |  |  |
| 145                | 23.2 | 24.9 | 26.9 | 29.2 | 31.6 | 34.0 | 36.6 | 38.4 | 40.3 | 42.2 | 44.1 | 46.0 | 47.9 | 49.8 | 51.7 |  |  |  |  |
| 150                | 23.8 | 25.1 | 26.6 | 28.3 | 30.1 | 32.0 | 34.1 | 35.7 | 37.4 | 39.2 | 41.0 | 42.8 | 44.8 | 46.7 | 48.7 |  |  |  |  |
| 155                | 24.5 | 25.4 | 26.3 | 27.5 | 28.8 | 30.2 | 31.6 | 32.9 | 34.3 | 35.8 | 37.3 | 38.9 | 40.5 | 42.3 | 44.1 |  |  |  |  |
| 160                | 25.2 | 25.6 | 26.2 | 26.8 | 27.6 | 28.4 | 29.4 | 30.2 | 31.1 | 32.1 | 33.2 | 34.3 | 35.5 | 36.7 | 38.0 |  |  |  |  |
| 165                | 26.0 | 26.1 | 26.3 | 26.6 | 27.0 | 27.4 | 27.8 | 28.3 | 28.7 | 29.2 | 29.8 | 30.4 | 31.0 | 31.7 | 32.5 |  |  |  |  |
| 170                | 27.0 | 27.1 | 27.2 | 27.4 | 27.5 | 27.7 | 27.9 | 28.0 | 28.1 | 28.2 | 28.3 | 28.5 | 28.6 | 28.7 | 28.8 |  |  |  |  |
| 175                | 27.6 | 27.7 | 27.7 | 27.8 | 27.9 | 28.0 | 28.0 | 28.1 | 28.1 | 28.2 | 28.2 | 28.2 | 28.3 | 28.3 | 28.3 |  |  |  |  |
| 180                | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 |  |  |  |  |

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:

Test Date:

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353

Humidity:65.0%

Test Distance:10.000m [K=1.0000]

Remarks: