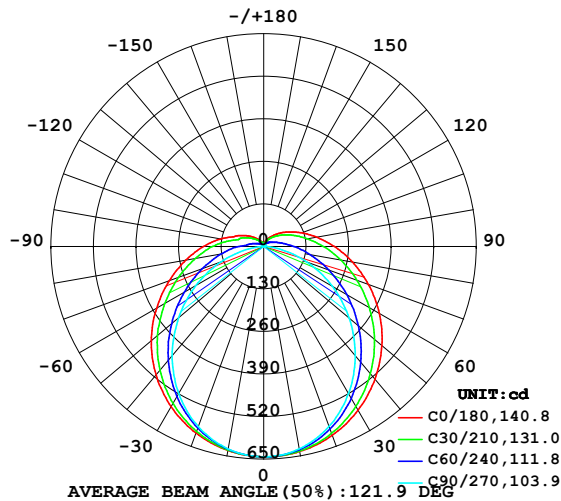


LUMINAIRE PHOTOMETRIC TEST REPORT

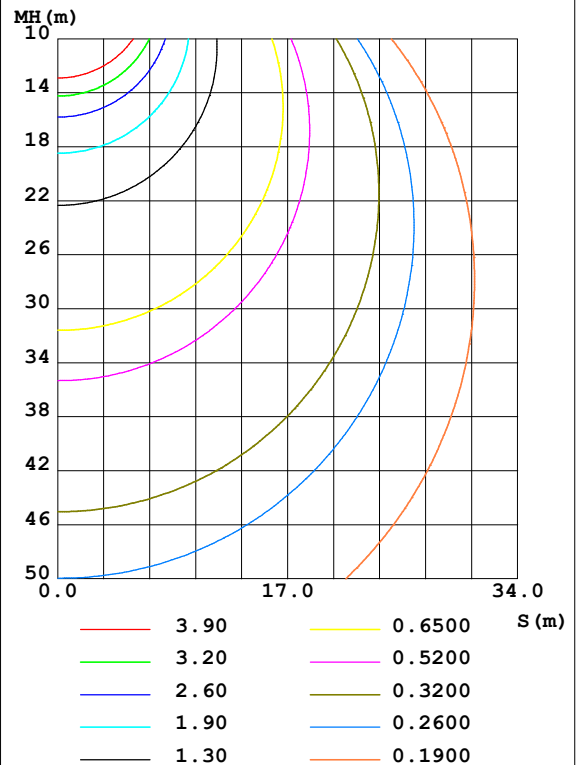
|                                                                               |                                   |                  |
|-------------------------------------------------------------------------------|-----------------------------------|------------------|
| Test:U:230.4V I:0.0849A P:18.79W PF:0.9608 Freq:50.00Hz Lamp Flux:2430.7x1 lm |                                   |                  |
| NAME: T60                                                                     | TYPE:T602050K600-1202835R8-2016.1 | REF:CHT.25       |
| SPEC.:                                                                        | DIM.:                             | SERIAL No.:      |
| MFR.: ERVAN                                                                   | SUR.:                             | Shielding Angle: |

| DATA OF LAMP     |        | PHOTOMETRIC DATA Eff: 129.35 lm/W |         |                   |          |
|------------------|--------|-----------------------------------|---------|-------------------|----------|
| MODEL            |        | I <sub>max</sub> (cd)             | 643.6   | S/MH (C0/180)     | 1.31     |
| NOMINAL POWER(W) | 20     | LOR(%)                            | 100.0   | S/MH (C90/270)    | 1.21     |
| RATED VOLTAGE(V) | 230    | TOTAL FLUX(lm)                    | 2430.7  | η UP,DN(C0-180)   | 6.3,44.1 |
| NOMINAL FLUX(lm) | 2430.7 | CIE CLASS                         | SEMI-D. | η UP,DN(C180-360) | 6.0,43.6 |
| LAMPS INSIDE     | 1      | η up (%)                          | 12.3    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 230    | η down (%)                        | 87.7    | CIBSE SHR MAX     | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:QC

Test Date:T602050K600-1202835R8-2016.1

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362

Humidity:65.0%

Test Distance:10.500m [K=1.0000]

Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

| γ   | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ       | Φ zone  | Φ total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|------------|
| 10  | 636.1                 | 632.9 | 628.1 | 630.1 | 632.9 | 630.1 | 628.3 | 632.3 | 0- 10   | 60.83   | 60.83   | 2.5,2.5    |
| 20  | 614.3                 | 601.5 | 585.1 | 594.4 | 606.3 | 595.2 | 585.6 | 600.0 | 10- 20  | 174.2   | 235.0   | 9.67,9.67  |
| 30  | 577.5                 | 550.4 | 518.9 | 540.4 | 565.9 | 541.3 | 519.5 | 547.5 | 20- 30  | 264.4   | 499.5   | 20.5,20.5  |
| 40  | 529.4                 | 485.6 | 435.5 | 470.9 | 512.4 | 473.0 | 435.6 | 480.9 | 30- 40  | 321.1   | 820.5   | 33.8,33.8  |
| 50  | 471.8                 | 411.7 | 341.4 | 392.2 | 448.6 | 396.4 | 339.6 | 405.3 | 40- 50  | 339.8   | 1160    | 47.7,47.7  |
| 60  | 407.8                 | 334.0 | 242.0 | 312.7 | 377.8 | 317.1 | 239.5 | 327.8 | 50- 60  | 322.6   | 1483    | 61,61      |
| 70  | 340.9                 | 261.2 | 141.1 | 237.2 | 307.2 | 242.6 | 139.0 | 254.0 | 60- 70  | 277.4   | 1760    | 72.4,72.4  |
| 80  | 275.5                 | 196.2 | 50.13 | 171.6 | 241.2 | 176.2 | 48.01 | 189.0 | 70- 80  | 216.4   | 1977    | 81.3,81.3  |
| 90  | 216.2                 | 143.1 | 1.060 | 118.6 | 184.0 | 121.2 | 1.475 | 136.1 | 80- 90  | 154.9   | 2132    | 87.7,87.7  |
| 100 | 165.0                 | 102.2 | 1.454 | 79.34 | 134.2 | 72.33 | 2.021 | 96.18 | 90-100  | 106.8   | 2238    | 92.1,92.1  |
| 110 | 123.2                 | 72.11 | 2.335 | 51.92 | 92.81 | 54.54 | 2.986 | 66.83 | 100-110 | 72.77   | 2311    | 95.1,95.1  |
| 120 | 89.62                 | 50.53 | 3.272 | 33.85 | 67.89 | 36.40 | 4.070 | 45.57 | 110-120 | 48.73   | 2360    | 97.1,97.1  |
| 130 | 63.55                 | 35.66 | 4.287 | 22.47 | 46.44 | 24.68 | 5.119 | 32.54 | 120-130 | 31.39   | 2391    | 98.4,98.4  |
| 140 | 43.05                 | 24.01 | 5.306 | 15.00 | 30.48 | 17.29 | 6.084 | 22.61 | 130-140 | 19.17   | 2411    | 99.2,99.2  |
| 150 | 28.06                 | 15.24 | 6.174 | 11.19 | 19.36 | 12.76 | 6.867 | 14.81 | 140-150 | 10.91   | 2421    | 99.6,99.6  |
| 160 | 17.99                 | 10.55 | 6.908 | 9.127 | 12.67 | 10.09 | 7.371 | 10.45 | 150-160 | 5.769   | 2427    | 99.9,99.9  |
| 170 | 11.14                 | 8.372 | 7.733 | 8.041 | 8.872 | 8.632 | 7.979 | 8.246 | 160-170 | 2.692   | 2430    | 100,100    |
| 180 | 7.437                 | 8.554 | 8.538 | 8.203 | 7.416 | 8.547 | 8.594 | 8.245 | 170-180 | 0.7874  | 2431    | 100,100    |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |         | UNIT:lm |         |            |

Conical surface Flux(90deg): 990.49 lm

%lum = 40.7%

%lamp = 40.7%

Conical surface Flux(120deg): 1482.9 lm

%lum = 61.0%

%lamp = 61.0%

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:QC

Test Date:T602050K600-1202835R8-2016.12.25

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362

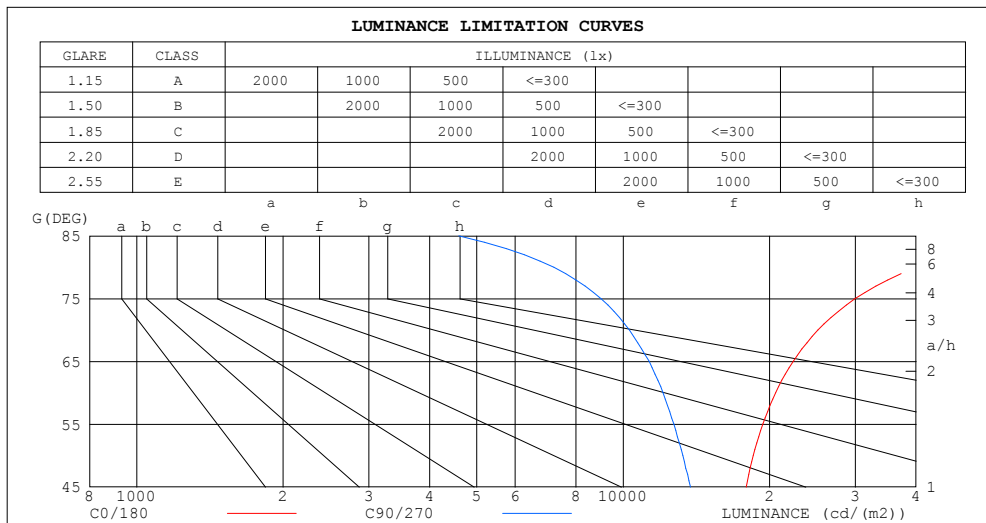
Humidity:65.0%

Test Distance:10.500m [K=1.0000]

Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                               |                                 |                  |
|-------------------------------------------------------------------------------|---------------------------------|------------------|
| Test:U:230.4V I:0.0849A P:18.79W PF:0.9608 Freq:50.00Hz Lamp Flux:2430.7x1 lm |                                 |                  |
| NAME: T60                                                                     | TYPE:T602050K600-1202835R8-2016 | WEIGHT:25        |
| SPEC.:                                                                        | DIM.:                           | SERIAL No.:      |
| MFR.: ERVAN                                                                   | SUR.:                           | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 70898  | 4595    |
| 80                | 40034  | 7206    |
| 75                | 29992  | 8999    |
| 70                | 25149  | 10301   |
| 65                | 22357  | 11306   |
| 60                | 20579  | 12082   |
| 55                | 19368  | 12709   |
| 50                | 18519  | 13257   |
| 45                | 17899  | 13752   |

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:QC

Test Date:T602050K600-1202835R8-2016.11.25

 $\gamma$  Range: 0 - 180DEG $\gamma$  Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362

Humidity:65.0%

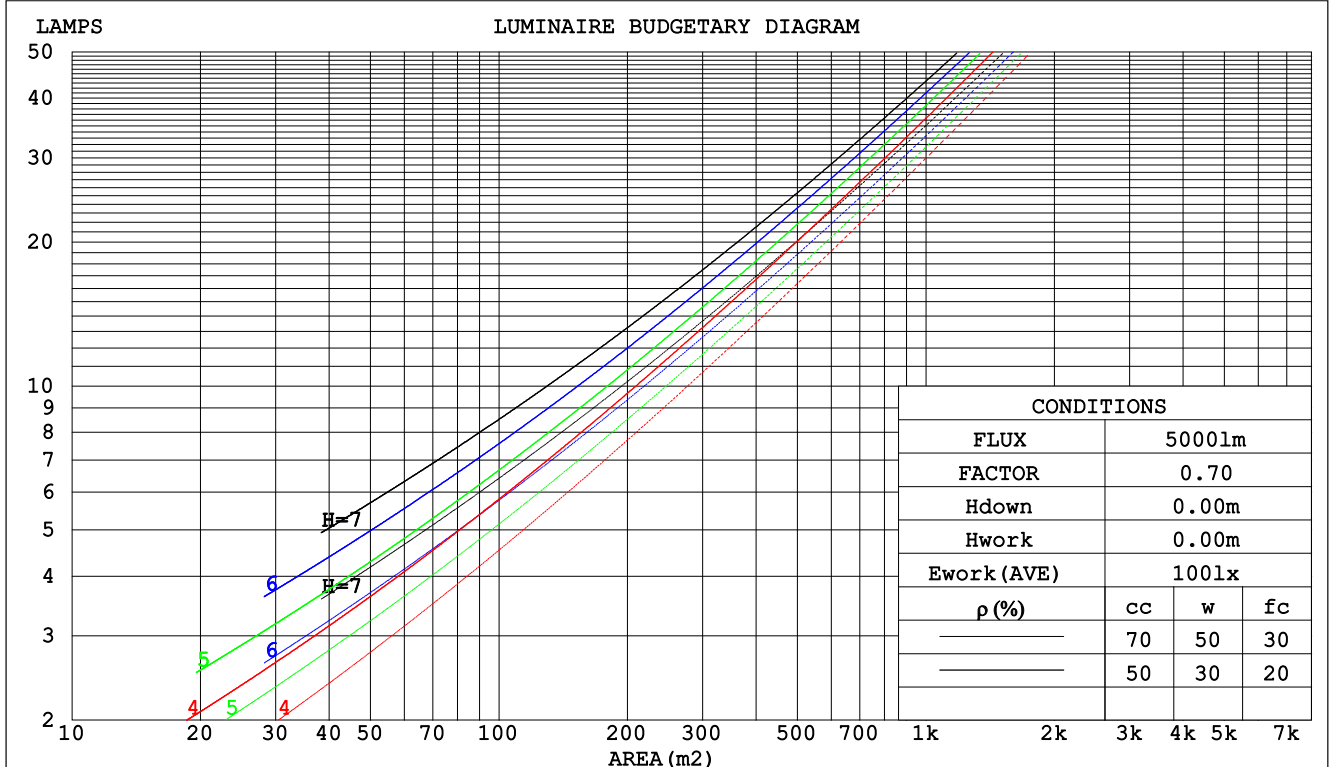
Test Distance:10.500m [K=1.0000]

Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                               |                                       |                  |
|-------------------------------------------------------------------------------|---------------------------------------|------------------|
| Test:U:230.4V I:0.0849A P:18.79W PF:0.9608 Freq:50.00Hz Lamp Flux:2430.7x1 lm |                                       |                  |
| NAME: T60                                                                     | TYPE:T602050K600-1202835R8-2016.12.25 |                  |
| SPEC.:                                                                        | DIM.:                                 | SERIAL No.:      |
| MFR.: ERVAN                                                                   | SUR.:                                 | 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  | 1.16                  | 1.16 | 1.16 | 1.12 | 1.12 | 1.12 | 1.04                            | 1.04 | 1.04 | .97 | .97 | .97 | .91 | .91 | .91 | .88 |
| 1.0  | .98                   | .93  | .88  | .94  | .90  | .86  | .88                             | .84  | .81  | .82 | .79 | .76 | .76 | .74 | .72 | .68 |
| 2.0  | .84                   | .77  | .70  | .81  | .74  | .68  | .76                             | .70  | .65  | .70 | .66 | .62 | .66 | .62 | .58 | .55 |
| 3.0  | .73                   | .65  | .57  | .71  | .63  | .56  | .66                             | .59  | .54  | .62 | .56 | .51 | .57 | .53 | .49 | .46 |
| 4.0  | .65                   | .55  | .48  | .62  | .54  | .47  | .58                             | .51  | .45  | .54 | .48 | .43 | .51 | .46 | .41 | .39 |
| 5.0  | .57                   | .48  | .41  | .56  | .47  | .40  | .52                             | .45  | .39  | .49 | .42 | .37 | .46 | .40 | .36 | .33 |
| 6.0  | .52                   | .42  | .36  | .50  | .41  | .35  | .47                             | .39  | .34  | .44 | .37 | .32 | .41 | .36 | .31 | .29 |
| 7.0  | .47                   | .38  | .31  | .45  | .37  | .31  | .43                             | .35  | .30  | .40 | .34 | .29 | .38 | .32 | .28 | .25 |
| 8.0  | .42                   | .34  | .28  | .41  | .33  | .27  | .39                             | .32  | .26  | .37 | .30 | .26 | .35 | .29 | .25 | .23 |
| 9.0  | .39                   | .31  | .25  | .38  | .30  | .25  | .36                             | .29  | .24  | .34 | .27 | .23 | .32 | .26 | .22 | .20 |
| 10.0 | .36                   | .28  | .22  | .35  | .27  | .22  | .33                             | .26  | .21  | .31 | .25 | .21 | .30 | .24 | .20 | .18 |



C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:QC

Test Date:T602050K600-1202835R8-2016.12.25

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362

Humidity:65.0%

Test Distance:10.500m [K=1.0000]

Remarks:

### WEC AND CCEC

|                                                                               |                                 |                  |
|-------------------------------------------------------------------------------|---------------------------------|------------------|
| Test:U:230.4V I:0.0849A P:18.79W PF:0.9608 Freq:50.00Hz Lamp Flux:2430.7x1 lm |                                 |                  |
| NAME: T60                                                                     | TYPE:T602050K600-1202835R8-2016 | WEIGHT:25        |
| SPEC.:                                                                        | DIM.:                           | SERIAL No.:      |
| MFR.: ERVAN                                                                   | SUR.:                           | 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  | .368                  | .209 | .066 | .357 | .204 | .065 | .337                            | .193 | .062 | .318 | .183 | .059 | .300 | .174 | .056 |   |  |
| 2.0  | .323                  | .177 | .054 | .313 | .173 | .053 | .295                            | .164 | .051 | .278 | .156 | .049 | .262 | .148 | .047 |   |  |
| 3.0  | .290                  | .154 | .046 | .281 | .150 | .045 | .264                            | .143 | .043 | .249 | .136 | .042 | .234 | .130 | .040 |   |  |
| 4.0  | .262                  | .136 | .040 | .254 | .133 | .039 | .239                            | .127 | .038 | .225 | .121 | .036 | .212 | .115 | .035 |   |  |
| 5.0  | .239                  | .122 | .035 | .232 | .119 | .035 | .218                            | .114 | .033 | .206 | .109 | .032 | .194 | .104 | .031 |   |  |
| 6.0  | .220                  | .110 | .032 | .213 | .108 | .031 | .201                            | .103 | .030 | .189 | .098 | .029 | .179 | .094 | .028 |   |  |
| 7.0  | .203                  | .100 | .028 | .197 | .098 | .028 | .186                            | .094 | .027 | .175 | .090 | .026 | .166 | .086 | .025 |   |  |
| 8.0  | .189                  | .092 | .026 | .183 | .090 | .025 | .173                            | .086 | .025 | .163 | .083 | .024 | .154 | .079 | .023 |   |  |
| 9.0  | .176                  | .085 | .024 | .171 | .083 | .023 | .162                            | .080 | .023 | .153 | .077 | .022 | .145 | .073 | .021 |   |  |
| 10.0 | .165                  | .079 | .022 | .160 | .077 | .022 | .152                            | .074 | .021 | .144 | .071 | .020 | .136 | .068 | .020 |   |  |

| 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  | .284                  | .284 | .284 | .243                                       | .243 | .243 | .166 | .166 | .166 | .095 | .095 | .095 | .030 | .030 | .030 |   |
| 1.0  | .279                  | .250 | .224 | .239                                       | .215 | .193 | .163 | .148 | .133 | .094 | .085 | .078 | .030 | .028 | .025 |   |
| 2.0  | .272                  | .227 | .189 | .233                                       | .195 | .164 | .159 | .135 | .114 | .092 | .079 | .067 | .029 | .025 | .022 |   |
| 3.0  | .264                  | .210 | .167 | .226                                       | .181 | .145 | .155 | .126 | .102 | .090 | .074 | .060 | .029 | .024 | .020 |   |
| 4.0  | .256                  | .197 | .152 | .220                                       | .171 | .132 | .151 | .119 | .093 | .087 | .070 | .055 | .028 | .023 | .018 |   |
| 5.0  | .248                  | .187 | .142 | .213                                       | .162 | .124 | .147 | .113 | .087 | .085 | .066 | .052 | .027 | .022 | .017 |   |
| 6.0  | .241                  | .179 | .135 | .207                                       | .155 | .118 | .143 | .109 | .083 | .083 | .064 | .049 | .027 | .021 | .016 |   |
| 7.0  | .234                  | .173 | .130 | .201                                       | .150 | .113 | .139 | .105 | .080 | .081 | .062 | .048 | .026 | .020 | .016 |   |
| 8.0  | .227                  | .167 | .125 | .196                                       | .145 | .109 | .135 | .102 | .078 | .079 | .060 | .046 | .025 | .020 | .015 |   |
| 9.0  | .221                  | .162 | .122 | .190                                       | .141 | .107 | .132 | .099 | .076 | .077 | .058 | .045 | .025 | .019 | .015 |   |
| 10.0 | .215                  | .158 | .120 | .186                                       | .137 | .104 | .129 | .096 | .074 | .075 | .057 | .044 | .024 | .019 | .015 |   |

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:QC

Test Date:T602050K600-1202835R8-2016.11.25

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362

Humidity:65.0%

Test Distance:10.500m [K=1.0000]

Remarks:

### UGR(Unified Glare Rating) Table

|                                                                               |               |                  |      |      |                                    |               |                |                  |      |      |      |
|-------------------------------------------------------------------------------|---------------|------------------|------|------|------------------------------------|---------------|----------------|------------------|------|------|------|
| Test:U:230.4V I:0.0849A P:18.79W PF:0.9608 Freq:50.00Hz Lamp Flux:2430.7x1 lm |               |                  |      |      |                                    |               |                |                  |      |      |      |
| NAME: T60                                                                     |               |                  |      |      | TYPE:T602050K600-1202835R8-2016.11 |               |                |                  |      |      |      |
| SPEC.:                                                                        |               |                  |      |      | DIM.:                              |               |                | SERIAL No.:      |      |      |      |
| MFR.: ERVAN                                                                   |               |                  |      |      | 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                                                                 |               | 19.8             | 21.2 | 20.2 | 21.6                               | 22.1          | 17.6           | 19.0             | 18.0 | 19.4 | 19.9 |
|                                                                               | 3H            | 22.3             | 23.6 | 22.8 | 24.0                               | 24.5          | 18.9           | 20.2             | 19.4 | 20.7 | 21.2 |
|                                                                               | 4H            | 23.6             | 24.9 | 24.1 | 25.4                               | 25.9          | 19.4           | 20.7             | 19.9 | 21.1 | 21.7 |
|                                                                               | 6H            | 25.1             | 26.3 | 25.6 | 26.8                               | 27.3          | 19.8           | 20.9             | 20.3 | 21.4 | 22.0 |
|                                                                               | 8H            | 25.9             | 27.1 | 26.5 | 27.6                               | 28.1          | 19.8           | 21.0             | 20.4 | 21.5 | 22.0 |
|                                                                               | 12H           | 26.9             | 28.0 | 27.4 | 28.5                               | 29.1          | 19.9           | 21.0             | 20.4 | 21.5 | 22.0 |
| 4H                                                                            | 2H            | 20.3             | 21.5 | 20.8 | 22.0                               | 22.5          | 18.7           | 19.9             | 19.1 | 20.4 | 20.9 |
|                                                                               | 3H            | 23.0             | 24.1 | 23.6 | 24.7                               | 25.2          | 20.3           | 21.4             | 20.8 | 21.9 | 22.5 |
|                                                                               | 4H            | 24.6             | 25.6 | 25.2 | 26.2                               | 26.7          | 21.0           | 22.0             | 21.5 | 22.5 | 23.1 |
|                                                                               | 6H            | 26.3             | 27.2 | 26.9 | 27.8                               | 28.4          | 21.5           | 22.4             | 22.1 | 23.0 | 23.6 |
|                                                                               | 8H            | 27.3             | 28.1 | 27.9 | 28.7                               | 29.4          | 21.7           | 22.5             | 22.3 | 23.1 | 23.7 |
|                                                                               | 12H           | 28.4             | 29.2 | 29.0 | 29.7                               | 30.4          | 21.8           | 22.5             | 22.4 | 23.1 | 23.8 |
| 8H                                                                            | 4H            | 24.9             | 25.8 | 25.5 | 26.3                               | 27.0          | 22.0           | 22.9             | 22.6 | 23.4 | 24.1 |
|                                                                               | 6H            | 26.9             | 27.7 | 27.6 | 28.3                               | 29.0          | 22.9           | 23.6             | 23.6 | 24.3 | 24.9 |
|                                                                               | 8H            | 28.1             | 28.8 | 28.8 | 29.4                               | 30.1          | 23.3           | 23.9             | 23.9 | 24.6 | 25.3 |
|                                                                               | 12H           | 29.5             | 30.0 | 30.1 | 30.7                               | 31.4          | 23.6           | 24.1             | 24.2 | 24.8 | 25.5 |
| 12H                                                                           | 4H            | 24.9             | 25.7 | 25.5 | 26.3                               | 27.0          | 22.3           | 23.1             | 23.0 | 23.7 | 24.4 |
|                                                                               | 6H            | 27.1             | 27.7 | 27.7 | 28.3                               | 29.0          | 23.5           | 24.1             | 24.1 | 24.8 | 25.5 |
|                                                                               | 8H            | 28.3             | 28.9 | 29.0 | 29.5                               | 30.3          | 24.1           | 24.6             | 24.7 | 25.3 | 26.0 |
| Variations with the observer position at spacings:                            |               |                  |      |      |                                    |               |                |                  |      |      |      |
| S = 1.0H                                                                      | + 0.1 / - 0.1 |                  |      |      |                                    | + 0.1 / - 0.1 |                |                  |      |      |      |
| 1.5H                                                                          | + 0.2 / - 0.3 |                  |      |      |                                    | + 0.2 / - 0.3 |                |                  |      |      |      |
| 2.0H                                                                          | + 0.2 / - 0.4 |                  |      |      |                                    | + 0.2 / - 0.4 |                |                  |      |      |      |

CIE Pub.117, 2431 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.1)

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:QC

Test Date:T602050K600-1202835R8-2016.11

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362

Humidity:65.0%

Test Distance:10.500m [K=1.0000]

Remarks:

### UTILIZATION FACTORS TABLE

|                                                                               |                                 |                  |
|-------------------------------------------------------------------------------|---------------------------------|------------------|
| Test:U:230.4V I:0.0849A P:18.79W PF:0.9608 Freq:50.00Hz Lamp Flux:2430.7x1 lm |                                 |                  |
| NAME: T60                                                                     | TYPE:T602050K600-1202835R8-2016 | HEIGHT:2.5       |
| SPEC.:                                                                        | DIM.:                           | SERIAL No.:      |
| MFR.: ERVAN                                                                   | 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) × RCR = 5 |     |     |     |     |     |     |     |     |        |
| k = 0.60                         | 51                                               | 39  | 32  | 50  | 38  | 31  | 48  | 38  | 31  | 24     |
| 0.80                             | 60                                               | 48  | 40  | 59  | 47  | 39  | 56  | 46  | 39  | 31     |
| 1.00                             | 68                                               | 56  | 48  | 66  | 55  | 47  | 63  | 56  | 46  | 38     |
| 1.25                             | 75                                               | 63  | 55  | 73  | 62  | 54  | 69  | 60  | 53  | 44     |
| 1.50                             | 80                                               | 68  | 60  | 78  | 67  | 59  | 73  | 64  | 58  | 48     |
| 2.00                             | 87                                               | 77  | 69  | 84  | 75  | 68  | 79  | 72  | 65  | 55     |
| 2.50                             | 91                                               | 82  | 74  | 88  | 80  | 73  | 83  | 76  | 70  | 59     |
| 3.00                             | 95                                               | 86  | 79  | 92  | 84  | 78  | 86  | 80  | 74  | 63     |
| 4.00                             | 100                                              | 92  | 86  | 96  | 89  | 84  | 90  | 84  | 80  | 67     |
| 5.00                             | 102                                              | 96  | 90  | 99  | 93  | 88  | 92  | 88  | 84  | 70     |
| ROOM INDEX                       | UF (total)                                       |     |     |     |     |     |     |     |     | Direct |
| According to DIN EN 13032-2 2004 |                                                  |     |     |     |     |     |     |     |     |        |
| Suspended                        |                                                  |     |     |     |     |     |     |     |     |        |
| SHRNM = 1.25                     |                                                  |     |     |     |     |     |     |     |     |        |

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:QC

Test Date:T602050K600-1202835R8-2016.11.25

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362

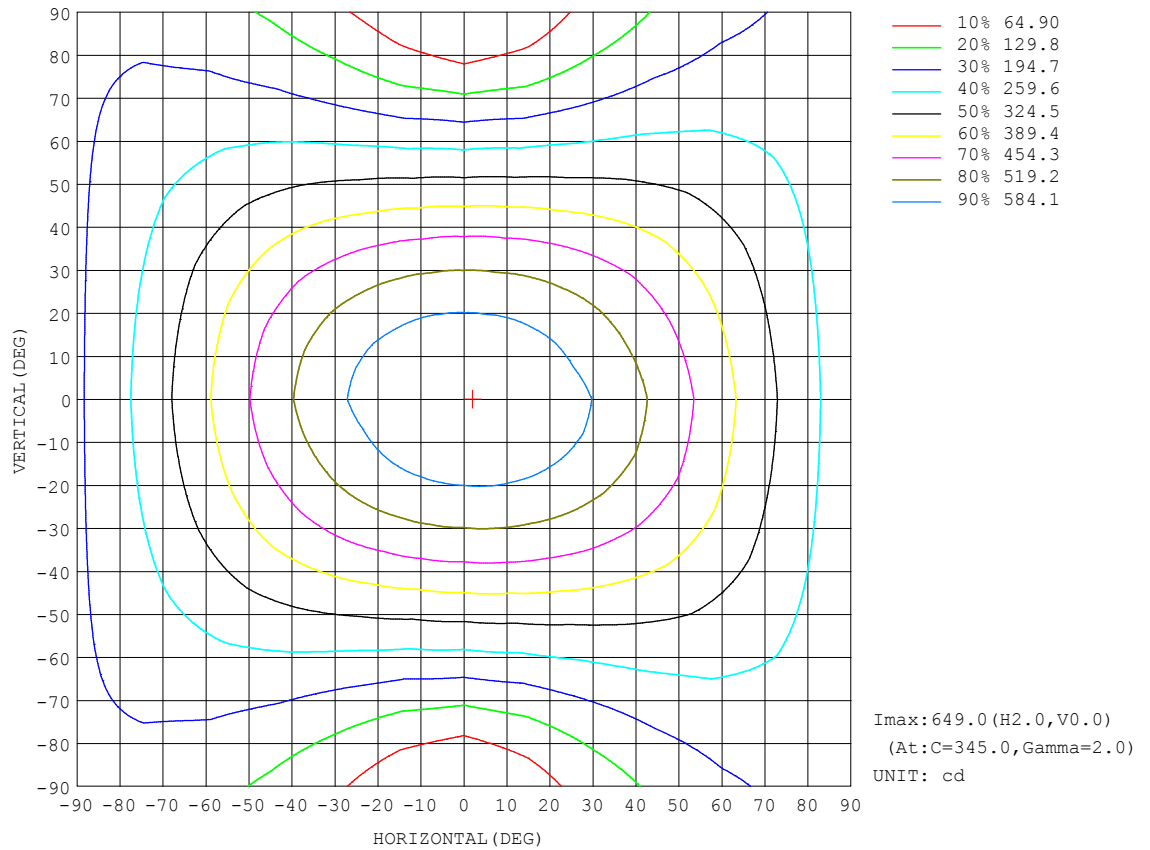
Humidity:65.0%

Test Distance:10.500m [K=1.0000]

Remarks:

### ISOCANDELA DIAGRAM

|                                                                               |                                 |                  |
|-------------------------------------------------------------------------------|---------------------------------|------------------|
| Test:U:230.4V I:0.0849A P:18.79W PF:0.9608 Freq:50.00Hz Lamp Flux:2430.7x1 lm |                                 |                  |
| NAME: T60                                                                     | TYPE:T602050K600-1202835R8-2016 | WEIGHT:25        |
| SPEC.:                                                                        | DIM.:                           | SERIAL No.:      |
| MFR.: ERVAN                                                                   | SUR.:                           | Shielding Angle: |



C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:QC

Test Date:T602050K600-1202835R8-2016.11.25

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362

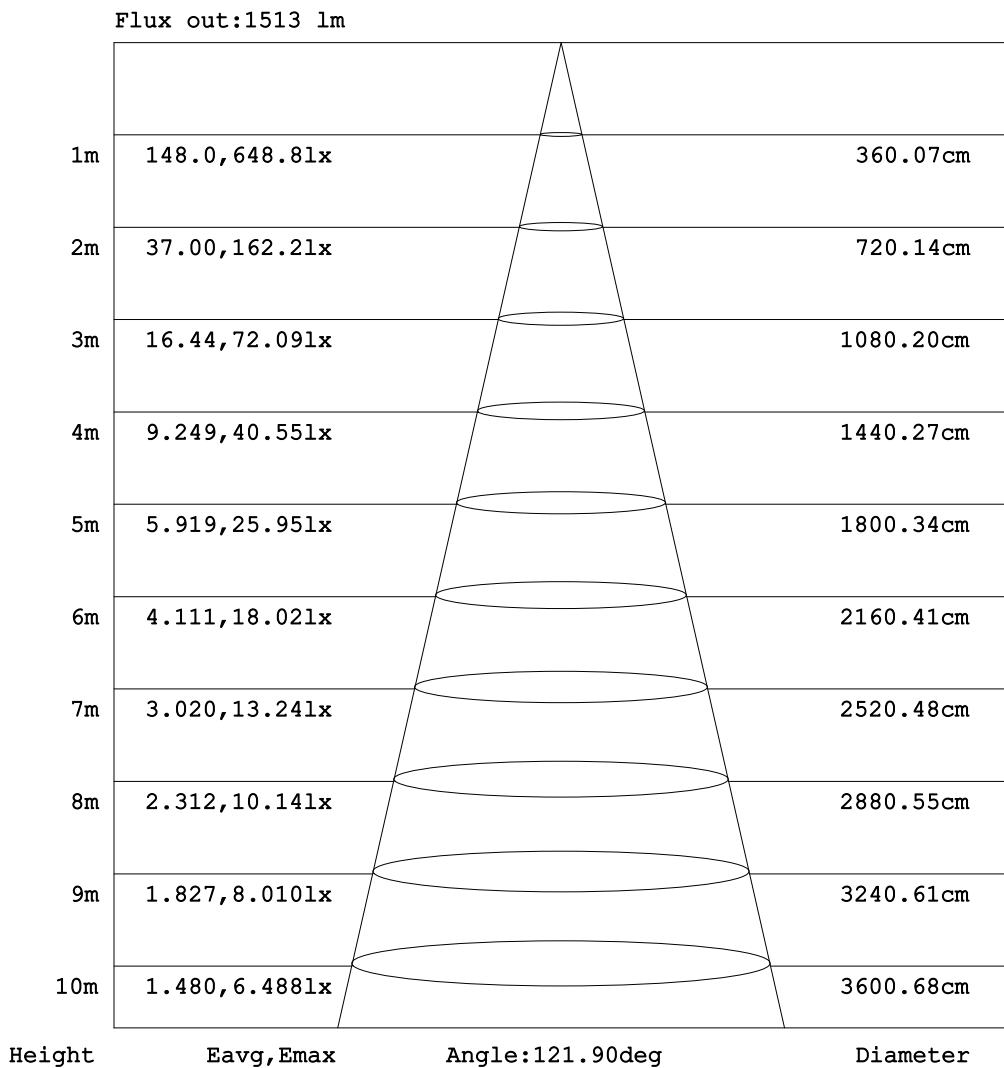
Humidity:65.0%

Test Distance:10.500m [K=1.0000]

Remarks:

### AAI Figure

|                                                                               |                                 |                  |
|-------------------------------------------------------------------------------|---------------------------------|------------------|
| Test:U:230.4V I:0.0849A P:18.79W PF:0.9608 Freq:50.00Hz Lamp Flux:2430.7x1 lm |                                 |                  |
| NAME: T60                                                                     | TYPE:T602050K600-1202835R8-2016 | WGT:2.25         |
| SPEC.:                                                                        | DIM.:                           | SERIAL No.:      |
| MFR.: ERVAN                                                                   | SUR.:                           | Shielding Angle: |



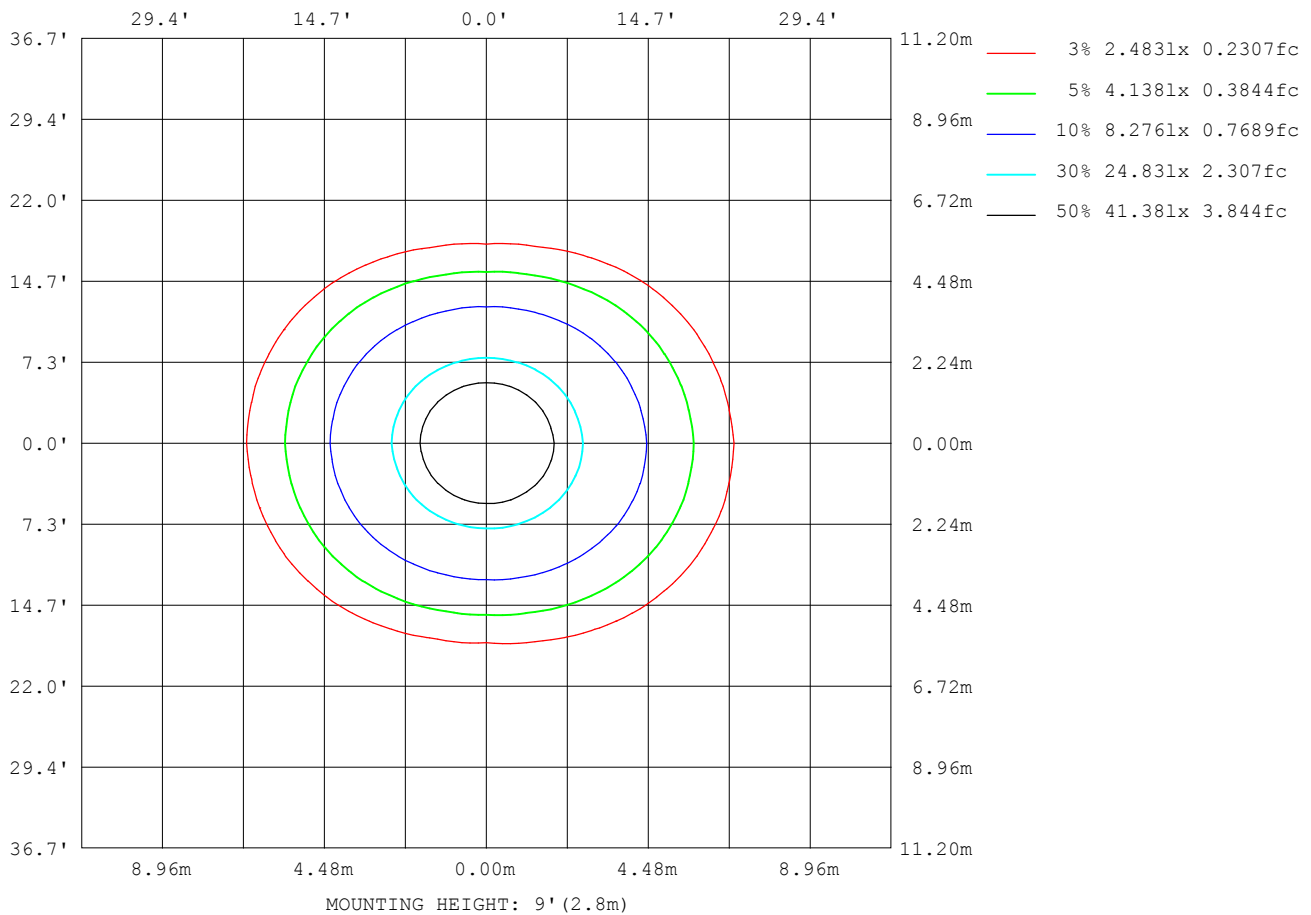
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:T602050K600-1202835R8-2016.11.25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.500m [K=1.0000]  
 Remarks:

### ISOLUX DIAGRAM

|                                                                               |                                 |                  |
|-------------------------------------------------------------------------------|---------------------------------|------------------|
| Test:U:230.4V I:0.0849A P:18.79W PF:0.9608 Freq:50.00Hz Lamp Flux:2430.7x1 lm |                                 |                  |
| NAME: T60                                                                     | TYPE:T602050K600-1202835R8-2016 | HEIGHT:2.5       |
| SPEC.:                                                                        | DIM.:                           | SERIAL No.:      |
| MFR.: ERVAN                                                                   | SUR.:                           | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QC  
Test Date:T602050K600-1202835R8-2016.11.25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.500m [K=1.0000]  
Remarks:

### LED Avg.L Report

|                                                                               |                                 |                  |
|-------------------------------------------------------------------------------|---------------------------------|------------------|
| Test:U:230.4V I:0.0849A P:18.79W PF:0.9608 Freq:50.00Hz Lamp Flux:2430.7x1 lm |                                 |                  |
| NAME: T60                                                                     | TYPE:T602050K600-1202835R8-2016 | WEIGHT:25        |
| SPEC.:                                                                        | DIM.:                           | SERIAL No.:      |
| MFR.: ERVAN                                                                   | SUR.:                           | Shielding Angle: |

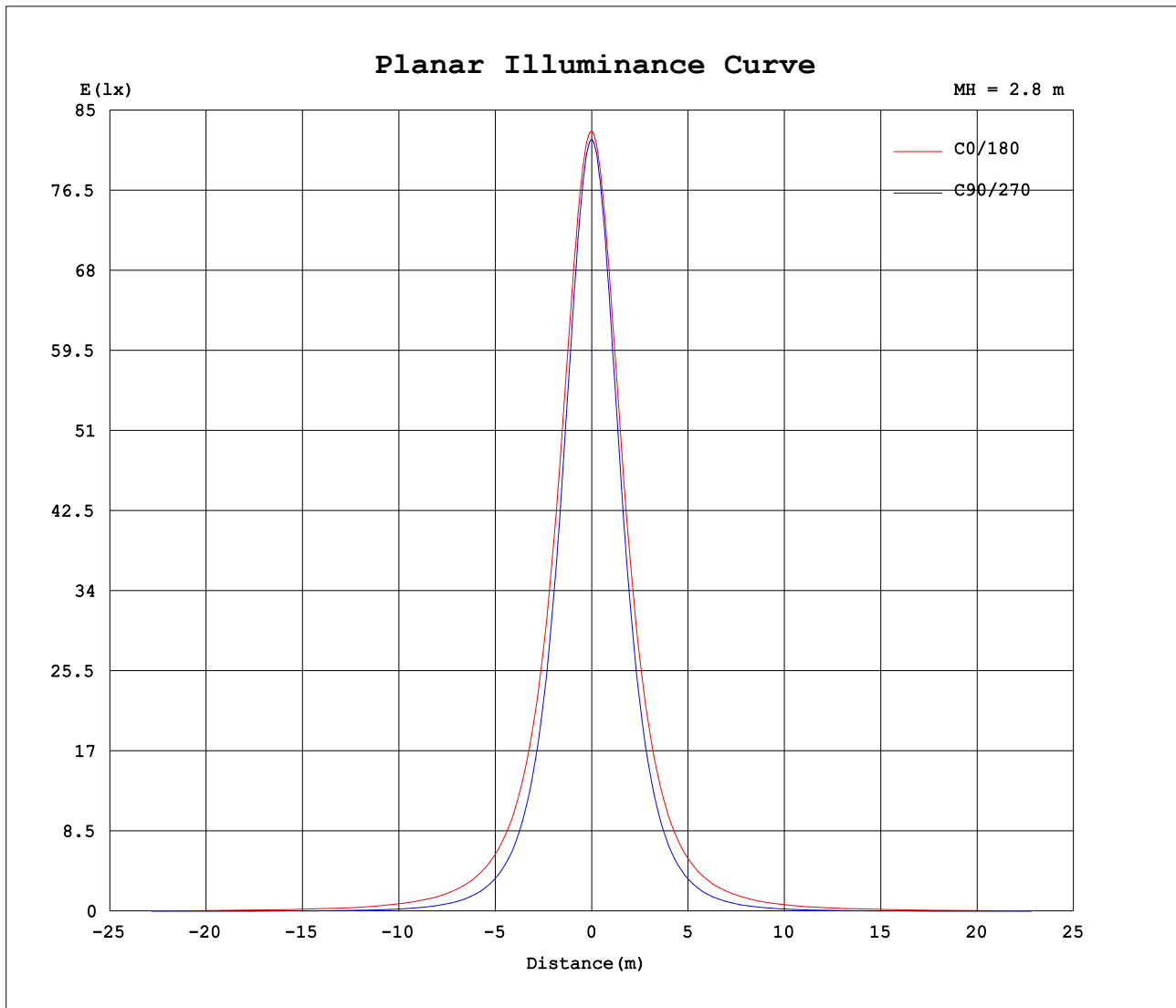
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 21200 |
| L_0~180 (75) av  | 28064 |
| L_0~180 (85) av  | 65446 |
| L_90~270 (65) av | 11248 |
| L_90~270 (75) av | 8906  |
| L_90~270 (85) av | 4395  |
| L_45 (65) av     | 16852 |
| L_45 (75) av     | 20734 |
| L_45 (85) av     | 44483 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:QC  
Test Date:T602050K600-1202835R8-2016.11.25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.500m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: QC

Test Date: T602050K600-1202835R8-2016.11.25

$\gamma$  Range: 0 - 180DEG

$\gamma$  Interval: 1.0DEG

Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362

Humidity: 65.0%

Test Distance: 10.500m [K=1.0000]

Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                               |                                       |                  |
|-------------------------------------------------------------------------------|---------------------------------------|------------------|
| Test:U:230.4V I:0.0849A P:18.79W PF:0.9608 Freq:50.00Hz Lamp Flux:2430.7x1 lm |                                       |                  |
| NAME: T60                                                                     | TYPE:T602050K600-1202835R8-2016.11.25 |                  |
| SPEC.:                                                                        | DIM.:                                 | SERIAL No.:      |
| MFR.: ERVAN                                                                   | SUR.:                                 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135   | 150  | 165  | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
|--------------------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|
| 0                  | 643  | 643  | 643  | 643  | 643  | 643  | 643  | 643  | 643  | 643   | 643  | 643  | 643  | 643  | 643  | 643  | 643  | 643  | 643  |
| 5                  | 642  | 642  | 641  | 641  | 641  | 640  | 639  | 639  | 639  | 639   | 639  | 640  | 640  | 639  | 639  | 639  | 639  | 639  | 639  |
| 10                 | 636  | 636  | 635  | 633  | 631  | 629  | 628  | 628  | 629  | 630   | 631  | 632  | 633  | 632  | 631  | 630  | 629  | 628  | 628  |
| 15                 | 627  | 627  | 623  | 620  | 615  | 612  | 610  | 611  | 612  | 615   | 618  | 621  | 622  | 621  | 619  | 615  | 612  | 610  | 611  |
| 20                 | 614  | 613  | 607  | 602  | 594  | 588  | 585  | 586  | 589  | 594   | 600  | 605  | 606  | 605  | 601  | 595  | 590  | 586  | 586  |
| 25                 | 598  | 596  | 587  | 578  | 567  | 559  | 555  | 556  | 561  | 570   | 578  | 586  | 588  | 585  | 580  | 571  | 562  | 556  | 555  |
| 30                 | 578  | 575  | 564  | 550  | 536  | 525  | 519  | 521  | 528  | 540   | 552  | 562  | 566  | 562  | 553  | 541  | 530  | 521  | 519  |
| 35                 | 555  | 551  | 537  | 519  | 500  | 487  | 479  | 482  | 491  | 507   | 523  | 536  | 540  | 536  | 525  | 509  | 493  | 481  | 479  |
| 40                 | 529  | 524  | 507  | 486  | 462  | 445  | 435  | 439  | 451  | 471   | 490  | 507  | 512  | 507  | 493  | 473  | 453  | 439  | 436  |
| 45                 | 502  | 496  | 476  | 449  | 421  | 400  | 390  | 392  | 409  | 433   | 456  | 475  | 481  | 475  | 460  | 435  | 412  | 393  | 388  |
| 50                 | 472  | 465  | 442  | 412  | 378  | 353  | 341  | 346  | 365  | 392   | 420  | 441  | 449  | 441  | 424  | 396  | 367  | 346  | 340  |
| 55                 | 440  | 433  | 408  | 372  | 335  | 305  | 292  | 298  | 321  | 352   | 383  | 406  | 415  | 406  | 386  | 357  | 324  | 299  | 290  |
| 60                 | 408  | 400  | 373  | 334  | 293  | 258  | 242  | 250  | 278  | 313   | 346  | 369  | 378  | 371  | 349  | 317  | 281  | 251  | 239  |
| 65                 | 374  | 365  | 338  | 297  | 251  | 211  | 191  | 202  | 235  | 274   | 309  | 333  | 342  | 335  | 312  | 279  | 239  | 204  | 189  |
| 70                 | 341  | 331  | 304  | 261  | 212  | 166  | 141  | 157  | 196  | 237   | 273  | 298  | 307  | 300  | 277  | 243  | 200  | 159  | 139  |
| 75                 | 308  | 298  | 270  | 227  | 176  | 124  | 93.3 | 114  | 158  | 203   | 240  | 264  | 273  | 266  | 243  | 208  | 164  | 117  | 91.1 |
| 80                 | 276  | 267  | 239  | 196  | 144  | 87.3 | 50.1 | 77.1 | 126  | 172   | 208  | 232  | 241  | 234  | 212  | 176  | 132  | 81.1 | 48.0 |
| 85                 | 245  | 236  | 210  | 168  | 116  | 57.7 | 16.0 | 47.2 | 97.6 | 143   | 179  | 202  | 211  | 204  | 183  | 148  | 104  | 51.4 | 14.6 |
| 90                 | 216  | 208  | 182  | 143  | 92.4 | 36.1 | 1.06 | 26.1 | 74.4 | 119   | 153  | 175  | 184  | 177  | 156  | 121  | 75.7 | 28.2 | 1.48 |
| 95                 | 190  | 182  | 158  | 121  | 73.4 | 23.0 | 1.13 | 14.5 | 56.0 | 97.4  | 129  | 151  | 159  | 152  | 131  | 91.6 | 53.3 | 17.2 | 1.72 |
| 100                | 165  | 158  | 136  | 102  | 59.0 | 16.6 | 1.45 | 9.37 | 42.3 | 79.3  | 109  | 129  | 134  | 127  | 104  | 72.3 | 44.0 | 12.0 | 2.02 |
| 105                | 143  | 137  | 117  | 86.2 | 47.7 | 12.9 | 1.88 | 6.89 | 32.2 | 64.3  | 91.0 | 109  | 110  | 103  | 81.9 | 66.1 | 35.5 | 9.25 | 2.45 |
| 110                | 123  | 118  | 99.9 | 72.1 | 38.8 | 11.1 | 2.34 | 5.75 | 24.9 | 51.9  | 75.6 | 92.0 | 92.8 | 83.2 | 75.6 | 54.5 | 28.4 | 7.89 | 2.99 |
| 115                | 105  | 101  | 84.5 | 60.3 | 32.3 | 9.99 | 2.78 | 5.17 | 19.8 | 41.9  | 62.4 | 77.0 | 80.4 | 75.5 | 63.8 | 44.5 | 22.9 | 7.27 | 3.51 |
| 120                | 89.6 | 85.5 | 71.4 | 50.5 | 27.2 | 9.42 | 3.27 | 5.02 | 16.0 | 33.8  | 51.1 | 63.8 | 67.9 | 63.7 | 53.1 | 36.4 | 18.9 | 7.05 | 4.07 |
| 125                | 75.7 | 71.7 | 60.0 | 42.5 | 23.2 | 9.14 | 3.80 | 5.15 | 13.4 | 27.5  | 41.7 | 52.5 | 56.5 | 53.0 | 43.7 | 29.9 | 16.1 | 7.01 | 4.61 |
| 130                | 63.6 | 60.5 | 50.2 | 35.7 | 20.0 | 8.77 | 4.29 | 5.36 | 11.1 | 22.5  | 33.9 | 42.7 | 46.4 | 43.4 | 35.8 | 24.7 | 14.0 | 7.23 | 5.12 |
| 135                | 52.7 | 50.0 | 41.7 | 29.8 | 16.7 | 8.40 | 4.81 | 5.62 | 10.0 | 18.5  | 27.5 | 34.5 | 37.8 | 35.4 | 29.2 | 20.5 | 12.4 | 7.45 | 5.60 |
| 140                | 43.1 | 41.1 | 34.4 | 24.0 | 14.1 | 8.17 | 5.31 | 5.86 | 9.30 | 15.0  | 22.2 | 27.7 | 30.5 | 28.6 | 23.8 | 17.3 | 11.3 | 7.66 | 6.08 |
| 145                | 34.9 | 33.4 | 28.0 | 19.0 | 12.1 | 8.03 | 5.76 | 5.99 | 8.77 | 12.7  | 18.1 | 22.1 | 24.3 | 22.9 | 19.4 | 14.7 | 10.5 | 7.82 | 6.50 |
| 150                | 28.1 | 27.0 | 21.5 | 15.2 | 10.6 | 7.97 | 6.17 | 6.30 | 8.37 | 11.2  | 14.8 | 17.6 | 19.4 | 18.4 | 16.0 | 12.8 | 9.91 | 7.95 | 6.87 |
| 155                | 22.5 | 21.7 | 16.4 | 12.5 | 9.55 | 7.96 | 6.58 | 6.60 | 8.09 | 10.00 | 12.4 | 14.2 | 15.5 | 14.9 | 13.3 | 11.3 | 9.36 | 8.11 | 7.17 |
| 160                | 18.0 | 16.5 | 12.8 | 10.6 | 8.85 | 8.10 | 6.91 | 6.95 | 7.69 | 9.13  | 10.6 | 11.6 | 12.7 | 12.2 | 11.3 | 10.1 | 8.80 | 8.21 | 7.37 |
| 165                | 14.5 | 12.0 | 10.3 | 9.21 | 8.37 | 8.19 | 7.27 | 7.28 | 7.79 | 8.29  | 9.21 | 9.85 | 10.6 | 10.3 | 9.80 | 9.08 | 8.57 | 8.33 | 7.59 |
| 170                | 11.1 | 8.74 | 8.51 | 8.37 | 8.35 | 8.52 | 7.73 | 7.67 | 7.89 | 8.04  | 8.19 | 8.33 | 8.87 | 8.85 | 8.73 | 8.63 | 8.53 | 8.58 | 7.98 |
| 175                | 7.69 | 7.74 | 7.92 | 8.30 | 8.53 | 8.84 | 8.15 | 8.09 | 8.06 | 7.99  | 7.88 | 7.69 | 7.27 | 8.06 | 8.25 | 8.48 | 8.60 | 8.90 | 8.34 |
| 180                | 7.44 | 7.83 | 8.20 | 8.55 | 8.77 | 9.18 | 8.54 | 8.51 | 8.37 | 8.20  | 7.93 | 7.57 | 7.42 | 7.79 | 8.17 | 8.55 | 8.81 | 9.24 | 8.59 |

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:QC

Test Date:T602050K600-1202835R8-2016.11.25

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362

Humidity:65.0%

Test Distance:10.500m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                               |                                 |                  |
|-------------------------------------------------------------------------------|---------------------------------|------------------|
| Test:U:230.4V I:0.0849A P:18.79W PF:0.9608 Freq:50.00Hz Lamp Flux:2430.7x1 lm |                                 |                  |
| NAME: T60                                                                     | TYPE:T602050K600-1202835R8-2016 | WEIGHT:25        |
| SPEC.:                                                                        | DIM.:                           | SERIAL No.:      |
| MFR.: ERVAN                                                                   | SUR.:                           | Shielding Angle: |

Table--2

UNIT: cd

| C (DEG)<br>γ (DEG) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 643  | 643  | 643  | 643  | 643  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 639  | 641  | 641  | 641  | 642  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 629  | 631  | 632  | 635  | 636  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 612  | 615  | 619  | 623  | 626  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 587  | 594  | 600  | 607  | 611  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 558  | 567  | 576  | 586  | 594  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 523  | 535  | 547  | 562  | 572  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 484  | 498  | 516  | 535  | 548  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 442  | 459  | 481  | 504  | 521  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 396  | 418  | 444  | 471  | 492  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 350  | 373  | 405  | 438  | 461  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 301  | 329  | 366  | 402  | 428  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 253  | 286  | 328  | 366  | 394  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 205  | 244  | 290  | 331  | 361  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 158  | 204  | 254  | 297  | 327  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 115  | 168  | 220  | 264  | 294  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 78.3 | 135  | 189  | 233  | 262  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 48.9 | 108  | 161  | 204  | 232  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 28.7 | 85.0 | 136  | 177  | 204  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 17.9 | 66.5 | 115  | 153  | 177  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 13.1 | 53.0 | 96.2 | 131  | 154  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 10.5 | 42.6 | 80.5 | 112  | 133  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 9.06 | 33.7 | 66.8 | 95.6 | 114  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 8.56 | 28.1 | 54.2 | 81.1 | 97.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 8.42 | 24.0 | 45.6 | 68.3 | 82.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 8.50 | 20.8 | 38.5 | 57.4 | 69.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 8.48 | 18.3 | 32.5 | 47.6 | 58.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 8.35 | 15.8 | 27.6 | 39.1 | 48.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 8.20 | 13.7 | 22.6 | 32.3 | 39.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 8.16 | 12.0 | 18.2 | 26.4 | 31.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 8.07 | 10.7 | 14.8 | 20.5 | 25.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 7.93 | 9.72 | 12.3 | 15.8 | 20.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 7.83 | 9.00 | 10.5 | 12.4 | 15.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 7.83 | 8.39 | 9.14 | 10.1 | 11.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 8.09 | 8.21 | 8.25 | 8.40 | 8.67 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 8.35 | 8.29 | 8.08 | 7.64 | 7.67 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 8.55 | 8.42 | 8.24 | 7.91 | 7.58 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:QC

Test Date:T602050K600-1202835R8-2016.11.25

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362

Humidity:65.0%

Test Distance:10.500m [K=1.0000]

Remarks: