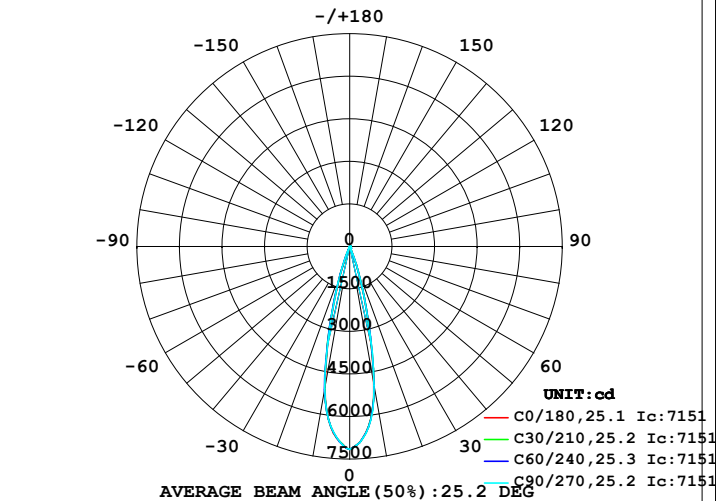


## LUMINAIRE PHOTOMETRIC TEST REPORT

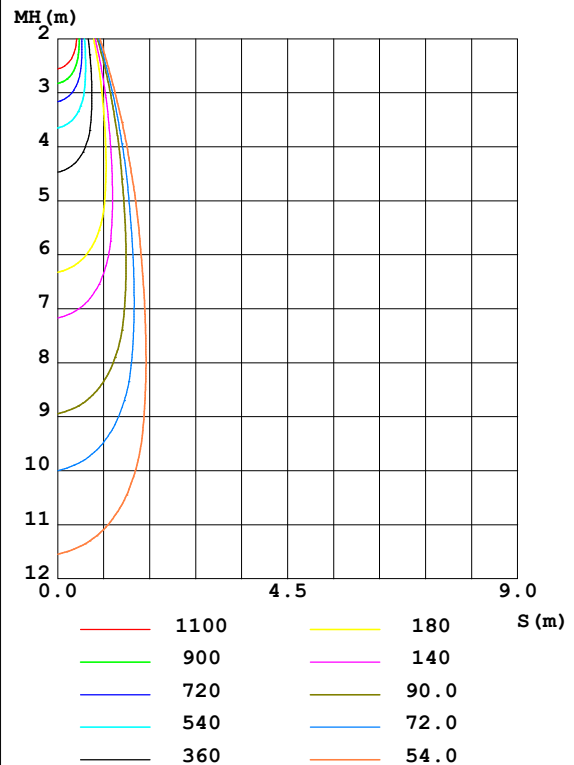
|   |  |         |  |                  |  |
|---|--|---------|--|------------------|--|
| Test:U:225.2V I:0.0910A P:19.70W PF:0.9540 Freq:50.00Hz Lamp Flux:1348.6x1 lm |  |         |  |                  |  |
| NAME: REG2095RF-20G40-M   |  | TYPE:   |  | WEIGHT:          |  |
| SPEC.:  |  | DIM.:   |  | SERIAL No.:      |  |
| MFR.:   |  | SUR.:85 |  | Shielding Angle: |  |

| DATA OF LAMP      |             | PHOTOMETRIC DATA      |        |                     |           | Eff: 68.46 lm/W |
|-------------------|-------------|-----------------------|--------|---------------------|-----------|-----------------|
| MODEL             | 4000K CRI90 | I <sub>max</sub> (cd) | 7151   | S/MH (C0/180)       | 0.41      |                 |
| NOMINAL POWER (W) | 20          | LOR (%)               | 100.0  | S/MH (C90/270)      | 0.41      |                 |
| RATED VOLTAGE (V) | 226         | TOTAL FLUX (lm)       | 1348.6 | η UP, DN (C0-180)   | 0.0, 49.9 |                 |
| NOMINAL FLUX (lm) | 1348.6      | CIE CLASS             | DIRECT | η UP, DN (C180-360) | 0.0, 50.1 |                 |
| LAMPS INSIDE      | 1           | η up (%)              | 0.0    | CIBSE SHR NOM       | 0.00      |                 |
| TEST VOLTAGE (V)  | 225.1       | η down (%)            | 100.0  | CIBSE SHR MAX       | 1.00      |                 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: AE  
 Test Date: 2020-04-17

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity: 65.0%  
 Test Distance: 7.240m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 4936                  | 5018   | 4980   | 5120   | 5044   | 5041   | 5089   | 4942   | 0- 10    | 582.4       | 582.4        | 43.2, 43.2 |
| 20       | 694.4                 | 743.4  | 693.9  | 760.5  | 747.5  | 714.0  | 766.3  | 690.2  | 10- 20   | 659.2       | 1242         | 92.1, 92.1 |
| 30       | 50.90                 | 49.42  | 48.29  | 51.36  | 48.89  | 47.62  | 49.27  | 50.68  | 20- 30   | 83.44       | 1325         | 98.3, 98.3 |
| 40       | 12.52                 | 11.95  | 11.05  | 11.80  | 11.42  | 12.15  | 12.98  | 12.84  | 30- 40   | 17.18       | 1342         | 99.5, 99.5 |
| 50       | 1.784                 | 1.563  | 1.566  | 1.484  | 1.596  | 1.844  | 2.269  | 2.202  | 40- 50   | 4.358       | 1347         | 99.9, 99.9 |
| 60       | 0.3156                | 0.2826 | 0.0348 | 0.0975 | 0.2214 | 0.3557 | 0.4927 | 0.6016 | 50- 60   | 0.7899      | 1347         | 99.9, 99.9 |
| 70       | 0.1629                | 0.1720 | 0.1601 | 0.1692 | 0.3814 | 0.3590 | 0.3958 | 0.3731 | 60- 70   | 0.1932      | 1348         | 99.9, 99.9 |
| 80       | 0.4896                | 0.5156 | 0.4931 | 0.5150 | 0.4509 | 0.4563 | 0.4501 | 0.4618 | 70- 80   | 0.4151      | 1348         | 100, 100   |
| 90       | 0.8438                | 0.8393 | 0.8615 | 0.8487 | 0.2644 | 0.2733 | 0.2624 | 0.2672 | 80- 90   | 0.5798      | 1349         | 100, 100   |
| 100      |                       |        |        |        |        |        |        |        | 90-100   |             |              |            |
| 110      |                       |        |        |        |        |        |        |        | 100-110  |             |              |            |
| 120      |                       |        |        |        |        |        |        |        | 110-120  |             |              |            |
| 130      |                       |        |        |        |        |        |        |        | 120-130  |             |              |            |
| 140      |                       |        |        |        |        |        |        |        | 130-140  |             |              |            |
| 150      |                       |        |        |        |        |        |        |        | 140-150  |             |              |            |
| 160      |                       |        |        |        |        |        |        |        | 150-160  |             |              |            |
| 170      |                       |        |        |        |        |        |        |        | 160-170  |             |              |            |
| 180      |                       |        |        |        |        |        |        |        | 170-180  |             |              |            |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 1345.3 lm

%lum = 99.8%

%lamp = 99.8%

Conical surface Flux(120deg): 1347.4 lm

%lum = 99.9%

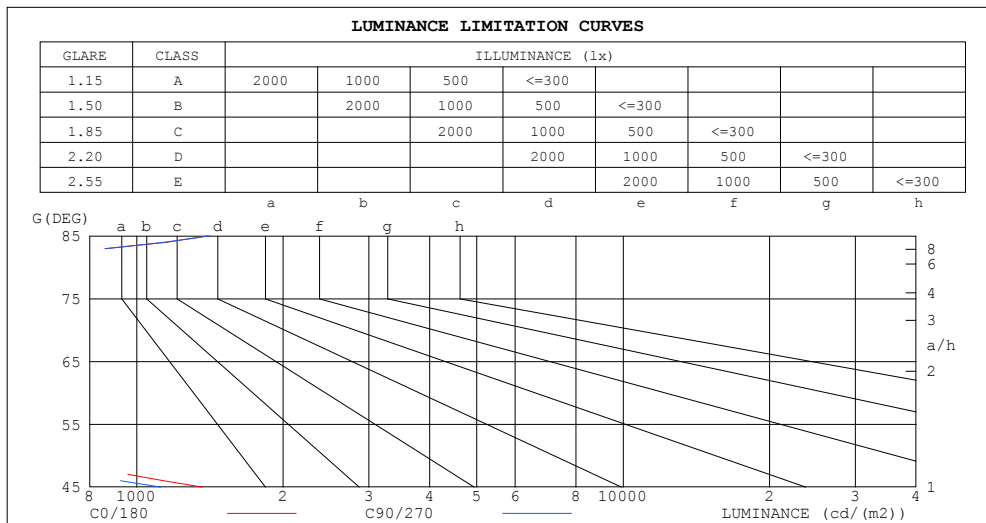
%lamp = 99.9%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-04-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|   |         |                  |
|---|---------|------------------|
| Test:U:225.2V I:0.0910A P:19.70W PF:0.9540 Freq:50.00Hz Lamp Flux:1348.6x1 lm |         |                  |
| NAME: REG2095RF-20G40-M   | TYPE:   | WEIGHT:          |
| SPEC.:  | DIM.:   | SERIAL No.:      |
| MFR.:   | SUR.:85 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 1400   | 1416    |
| 80                | 500    | 500     |
| 75                | 213    | 213     |
| 70                | 84     | 82      |
| 65                | 21     | 18      |
| 60                | 112    | 12      |
| 55                | 257    | 222     |
| 50                | 492    | 429     |
| 45                | 1365   | 1120    |

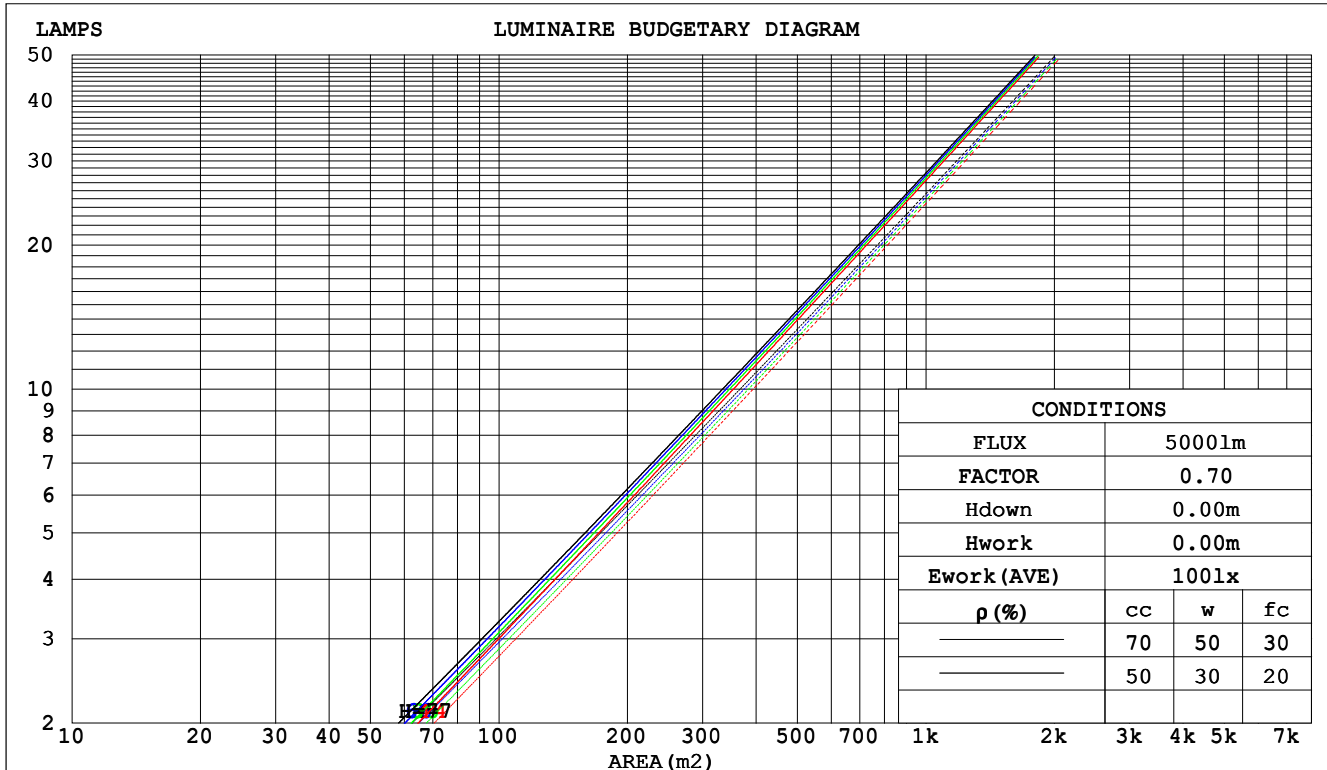
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-04-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |         |                  |
|---|---------|------------------|
| Test:U:225.2V I:0.0910A P:19.70W PF:0.9540 Freq:50.00Hz Lamp Flux:1348.6x1 lm |         |                  |
| NAME: REG2095RF-20G40-M   | TYPE:   | WEIGHT:          |
| SPEC.:  | DIM.:   | SERIAL No.:      |
| MFR.:   | SUR.:85 | Shielding Angle: |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0    |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0    |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |
| 0.0  | 1.19                  | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11                            | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0  | 1.13                  | 1.12 | 1.10 | 1.11 | 1.10 | 1.08 | 1.07                            | 1.06 | 1.05 | 1.04 | 1.03 | 1.02 | 1.00 | .00  | .99  | .97  |
| 2.0  | 1.09                  | 1.06 | 1.04 | 1.07 | 1.05 | 1.03 | 1.04                            | 1.02 | 1.00 | 1.01 | .00  | .98  | .99  | .97  | .96  | .95  |
| 3.0  | 1.05                  | 1.02 | .99  | 1.04 | 1.01 | .98  | 1.01                            | .99  | .97  | .99  | .97  | .95  | .97  | .95  | .94  | .93  |
| 4.0  | 1.01                  | .98  | .95  | 1.00 | .97  | .95  | .98                             | .96  | .94  | .97  | .94  | .93  | .95  | .93  | .92  | .90  |
| 5.0  | .98                   | .95  | .92  | .97  | .94  | .92  | .96                             | .93  | .91  | .94  | .92  | .90  | .93  | .91  | .89  | .88  |
| 6.0  | .96                   | .92  | .89  | .95  | .91  | .89  | .94                             | .91  | .88  | .92  | .90  | .88  | .91  | .89  | .87  | .86  |
| 7.0  | .93                   | .89  | .87  | .93  | .89  | .87  | .91                             | .88  | .86  | .90  | .88  | .86  | .90  | .87  | .85  | .85  |
| 8.0  | .91                   | .87  | .85  | .90  | .87  | .84  | .89                             | .86  | .84  | .89  | .86  | .84  | .88  | .85  | .84  | .83  |
| 9.0  | .89                   | .85  | .83  | .88  | .85  | .83  | .88                             | .84  | .82  | .87  | .84  | .82  | .86  | .84  | .82  | .81  |
| 10.0 | .87                   | .83  | .81  | .86  | .83  | .81  | .86                             | .83  | .81  | .85  | .82  | .80  | .85  | .82  | .80  | .79  |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-04-17

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

### WEC AND CCEC

|   |  |  |         |  |                  |
|---|--|--|---------|--|------------------|
| Test:U:225.2V I:0.0910A P:19.70W PF:0.9540 Freq:50.00Hz Lamp Flux:1348.6x1 lm |  |  |         |  |                  |
| NAME: REG2095RF-20G40-M   |  |  | TYPE:   |  | WEIGHT:          |
| SPEC.:  |  |  | DIM.:   |  | SERIAL No.:      |
| MFR.:   |  |  | SUR.:85 |  | 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  | .126                  | .072 | .023 | .120 | .068 | .022 | .108                            | .062 | .020 | .096 | .055 | .018 | .086 | .050 | .016 |   |
| 2.0  | .116                  | .063 | .019 | .110 | .061 | .019 | .100                            | .056 | .017 | .091 | .051 | .016 | .082 | .047 | .015 |   |
| 3.0  | .107                  | .057 | .017 | .102 | .055 | .017 | .094                            | .051 | .015 | .086 | .047 | .014 | .079 | .044 | .014 |   |
| 4.0  | .099                  | .052 | .015 | .096 | .050 | .015 | .089                            | .047 | .014 | .082 | .044 | .013 | .076 | .041 | .013 |   |
| 5.0  | .093                  | .047 | .014 | .090 | .046 | .013 | .084                            | .044 | .013 | .079 | .041 | .012 | .073 | .039 | .012 |   |
| 6.0  | .088                  | .044 | .013 | .085 | .043 | .012 | .080                            | .041 | .012 | .075 | .039 | .011 | .071 | .037 | .011 |   |
| 7.0  | .083                  | .041 | .012 | .081 | .040 | .011 | .076                            | .039 | .011 | .072 | .037 | .011 | .068 | .036 | .010 |   |
| 8.0  | .079                  | .039 | .011 | .077 | .038 | .011 | .073                            | .037 | .010 | .070 | .035 | .010 | .066 | .034 | .010 |   |
| 9.0  | .075                  | .036 | .010 | .074 | .036 | .010 | .070                            | .035 | .010 | .067 | .034 | .010 | .064 | .033 | .009 |   |
| 10.0 | .072                  | .035 | .010 | .070 | .034 | .009 | .067                            | .033 | .009 | .065 | .032 | .009 | .062 | .031 | .009 |   |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .168                  | .158 | .149 | .143 | .135 | .128 | .098                                       | .093 | .089 | .056 | .054 | .052 | .018 | .017 | .017 |   |
| 2.0  | .149                  | .133 | .119 | .127 | .114 | .103 | .087                                       | .079 | .072 | .050 | .046 | .042 | .016 | .015 | .014 |   |
| 3.0  | .133                  | .113 | .097 | .114 | .098 | .084 | .078                                       | .068 | .059 | .045 | .040 | .035 | .015 | .013 | .011 |   |
| 4.0  | .120                  | .098 | .081 | .103 | .084 | .070 | .071                                       | .059 | .049 | .041 | .034 | .029 | .013 | .011 | .010 |   |
| 5.0  | .109                  | .085 | .068 | .094 | .074 | .059 | .064                                       | .051 | .042 | .037 | .030 | .025 | .012 | .010 | .008 |   |
| 6.0  | .100                  | .075 | .057 | .086 | .065 | .050 | .059                                       | .045 | .035 | .034 | .027 | .021 | .011 | .009 | .007 |   |
| 7.0  | .092                  | .067 | .049 | .079 | .058 | .043 | .054                                       | .040 | .030 | .032 | .024 | .018 | .010 | .008 | .006 |   |
| 8.0  | .085                  | .060 | .042 | .073 | .052 | .037 | .051                                       | .036 | .026 | .029 | .021 | .016 | .010 | .007 | .005 |   |
| 9.0  | .079                  | .054 | .037 | .068 | .047 | .032 | .047                                       | .033 | .023 | .028 | .019 | .014 | .009 | .006 | .005 |   |
| 10.0 | .074                  | .049 | .032 | .064 | .043 | .028 | .044                                       | .030 | .020 | .026 | .018 | .012 | .008 | .006 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-04-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

|   |               |                  |      |      |         |                |      |                  |      |      |      |
|---|---------------|------------------|------|------|---------|----------------|------|------------------|------|------|------|
| Test:U:225.2V I:0.0910A P:19.70W PF:0.9540 Freq:50.00Hz Lamp Flux:1348.6x1 lm |               |                  |      |      |         |                |      |                  |      |      |      |
| NAME: REG2095RF-20G40-M   |               |                  |      |      | TYPE:   |                |      | WEIGHT:          |      |      |      |
| SPEC.:  |               |                  |      |      | DIM.:   |                |      | SERIAL No.:      |      |      |      |
| MFR.:   |               |                  |      |      | SUR.:85 |                |      | 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   |               | -1.0             | -0.5 | -0.9 | -0.3    | -0.2           | -1.4 | -0.8             | -1.2 | -0.6 | -0.5 |
|   | 3H            | -1.2             | -0.6 | -1.0 | -0.5    | -0.3           | -1.5 | -1.0             | -1.3 | -0.8 | -0.6 |
|   | 4H            | -1.2             | -0.7 | -1.0 | -0.5    | -0.3           | -1.5 | -1.0             | -1.3 | -0.8 | -0.6 |
|   | 6H            | -1.1             | -0.6 | -0.8 | -0.4    | -0.2           | -1.4 | -0.9             | -1.1 | -0.7 | -0.5 |
|   | 8H            | -0.9             | -0.5 | -0.6 | -0.2    | 0.0            | -1.2 | -0.7             | -0.9 | -0.5 | -0.2 |
|   | 12H           | -0.5             | -0.0 | -0.2 | 0.2     | 0.5            | -0.7 | -0.3             | -0.4 | 0.0  | 0.3  |
| 4H  | 2H            | -1.3             | -0.7 | -1.0 | -0.5    | -0.3           | -1.6 | -1.1             | -1.3 | -0.9 | -0.6 |
|   | 3H            | -1.4             | -1.0 | -1.1 | -0.7    | -0.4           | -1.7 | -1.3             | -1.4 | -1.0 | -0.7 |
|   | 4H            | -1.4             | -1.0 | -1.1 | -0.7    | -0.4           | -1.7 | -1.3             | -1.4 | -1.0 | -0.7 |
|   | 6H            | -1.2             | -0.8 | -0.8 | -0.5    | -0.2           | -1.5 | -1.1             | -1.1 | -0.8 | -0.4 |
|   | 8H            | -0.8             | -0.5 | -0.5 | -0.2    | 0.2            | -1.1 | -0.7             | -0.7 | -0.4 | -0.0 |
|   | 12H           | -0.1             | 0.3  | 0.3  | 0.6     | 1.0            | -0.2 | 0.1              | 0.2  | 0.4  | 0.8  |
| 8H  | 4H            | -1.5             | -1.2 | -1.1 | -0.8    | -0.5           | -1.8 | -1.5             | -1.4 | -1.1 | -0.8 |
|   | 6H            | -1.1             | -0.8 | -0.7 | -0.4    | -0.0           | -1.4 | -1.1             | -0.9 | -0.7 | -0.3 |
|   | 8H            | -0.5             | -0.3 | -0.1 | 0.1     | 0.6            | -0.7 | -0.5             | -0.3 | -0.1 | 0.4  |
|   | 12H           | 0.6              | 0.8  | 1.1  | 1.3     | 1.8            | 0.5  | 0.7              | 1.0  | 1.2  | 1.6  |
| 12H   | 4H            | -1.5             | -1.2 | -1.1 | -0.8    | -0.5           | -1.8 | -1.5             | -1.4 | -1.1 | -0.7 |
|   | 6H            | -1.0             | -0.8 | -0.6 | -0.4    | 0.1            | -1.3 | -1.0             | -0.8 | -0.6 | -0.1 |
|   | 8H            | -0.3             | -0.1 | 0.1  | 0.3     | 0.8            | -0.5 | -0.3             | -0.0 | 0.2  | 0.6  |
| Variations with the observer position at spacings:                            |               |                  |      |      |         |                |      |                  |      |      |      |
| S = 1.0H  | + 2.4 / - 2.9 |                  |      |      |         | + 2.1 / - 2.6  |      |                  |      |      |      |
| 1.5H  | + 4.5 / - 2.9 |                  |      |      |         | + 4.1 / - 2.5  |      |                  |      |      |      |
| 2.0H  | + 2.9 / - 0.7 |                  |      |      |         | + 2.1 / - 0.6  |      |                  |      |      |      |

CIE Pub.117, 1349 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.0)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-04-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|   |         |                  |
|---|---------|------------------|
| Test:U:225.2V I:0.0910A P:19.70W PF:0.9540 Freq:50.00Hz Lamp Flux:1348.6x1 lm |         |                  |
| NAME: REG2095RF-20G40-M   | TYPE:   | WEIGHT:          |
| SPEC.:  | DIM.:   | SERIAL No.:      |
| MFR.:   | SUR.:85 | Shielding Angle: |

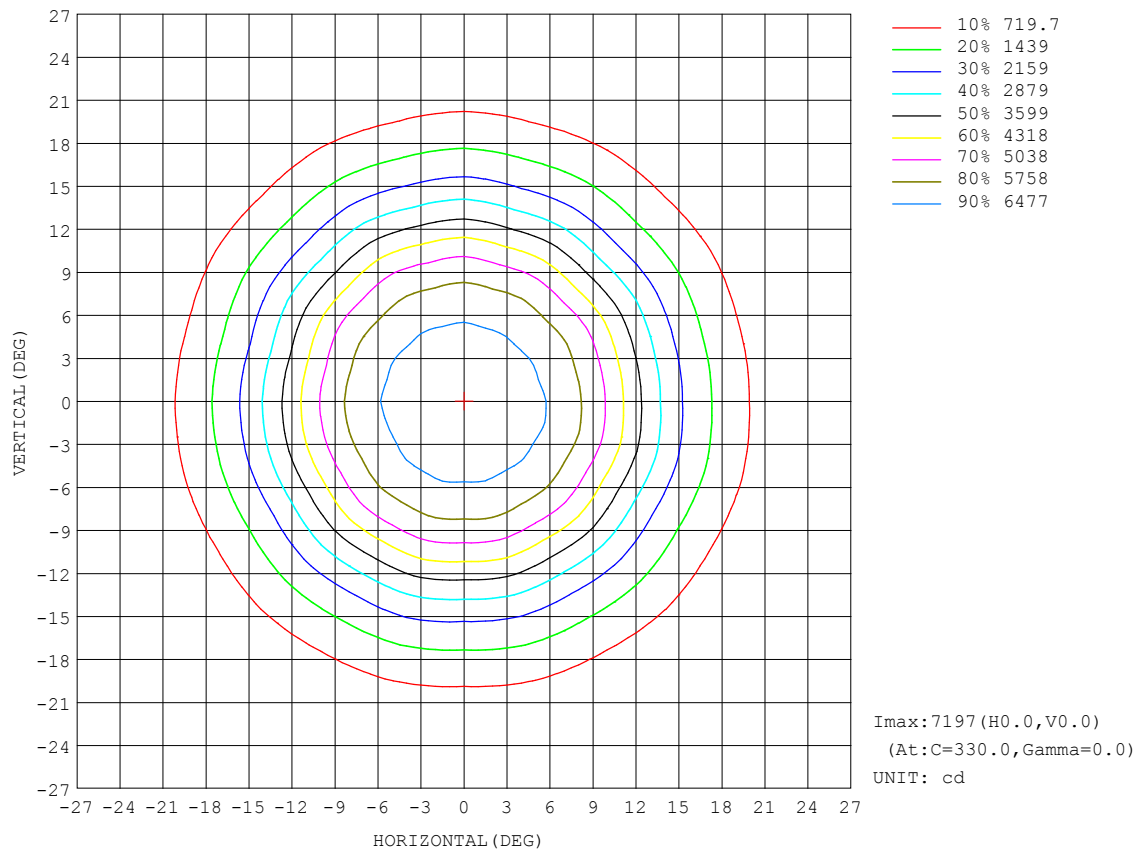
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7  | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2  | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 91   | 86  | 82        | 91  | 85  | 82  | 90  | 85            | 82  | 79     |
| 0.80                             | 98   | 93  | 90        | 98  | 93  | 90  | 96  | 92            | 89  | 86     |
| 1.00                             | 102  | 97  | 94        | 101 | 97  | 93  | 100 | 96            | 93  | 89     |
| 1.25                             | 105  | 101 | 98        | 104 | 100 | 97  | 103 | 99            | 97  | 93     |
| 1.50                             | 108  | 104 | 101       | 107 | 103 | 100 | 104 | 101           | 99  | 95     |
| 2.00                             | 110  | 106 | 103       | 109 | 105 | 103 | 106 | 103           | 101 | 96     |
| 2.50                             | 111  | 108 | 105       | 110 | 107 | 104 | 107 | 104           | 102 | 97     |
| 3.00                             | 113  | 110 | 107       | 111 | 108 | 106 | 108 | 106           | 104 | 98     |
| 4.00                             | 115  | 112 | 110       | 113 | 110 | 109 | 109 | 107           | 106 | 99     |
| 5.00                             | 116  | 114 | 112       | 114 | 112 | 111 | 110 | 109           | 107 | 100    |
| ROOM INDEX                       | UF (total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-04-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|   |         |                  |
|---|---------|------------------|
| Test:U:225.2V I:0.0910A P:19.70W PF:0.9540 Freq:50.00Hz Lamp Flux:1348.6x1 lm |         |                  |
| NAME: REG2095RF-20G40-M   | TYPE:   | WEIGHT:          |
| SPEC.:  | DIM.:   | SERIAL No.:      |
| MFR.:   | SUR.:85 | Shielding Angle: |



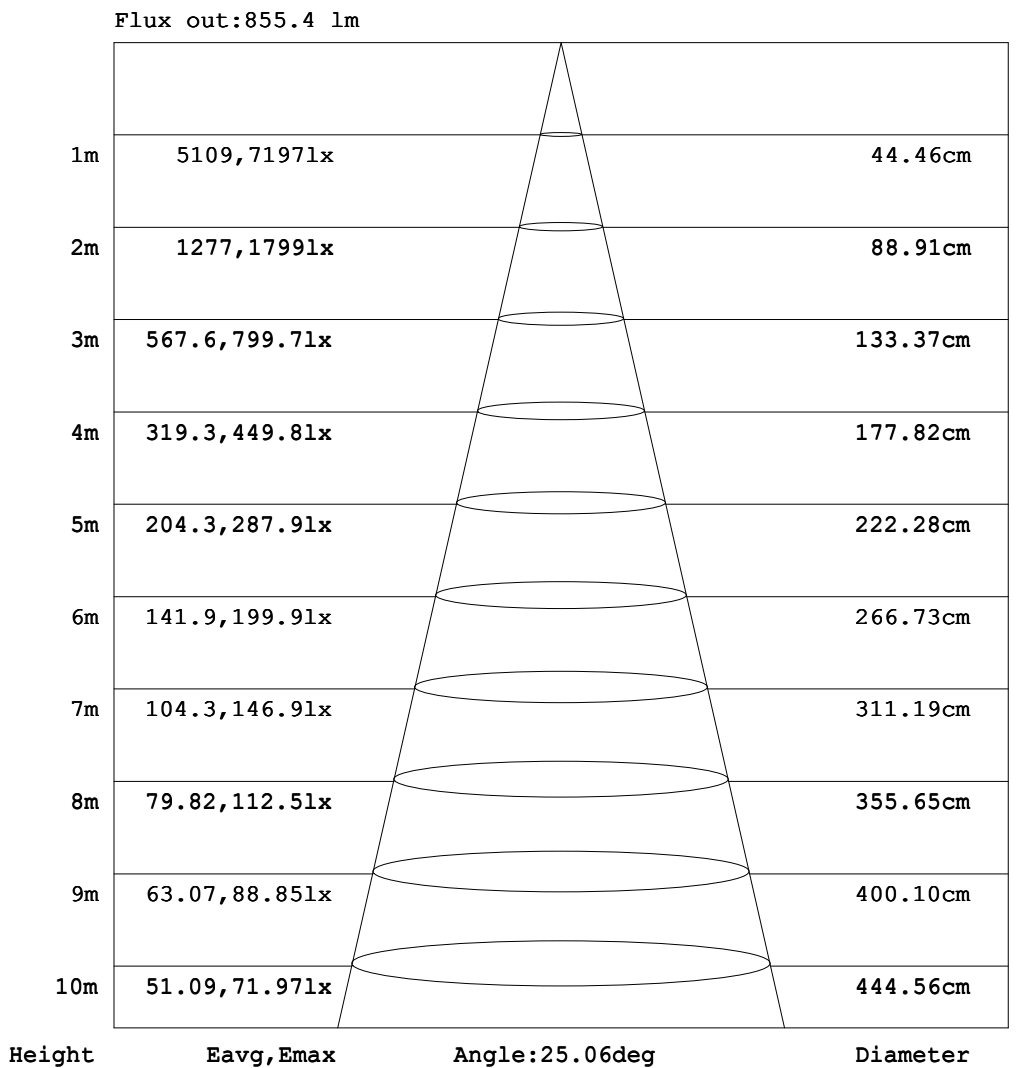
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-04-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:



### AAI Figure

|   |         |                  |
|---|---------|------------------|
| Test:U:225.2V I:0.0910A P:19.70W PF:0.9540 Freq:50.00Hz Lamp Flux:1348.6x1 lm |         |                  |
| NAME: REG2095RF-20G40-M   | TYPE:   | WEIGHT:          |
| SPEC.:  | DIM.:   | SERIAL No.:      |
| MFR.:   | SUR.:85 | Shielding Angle: |



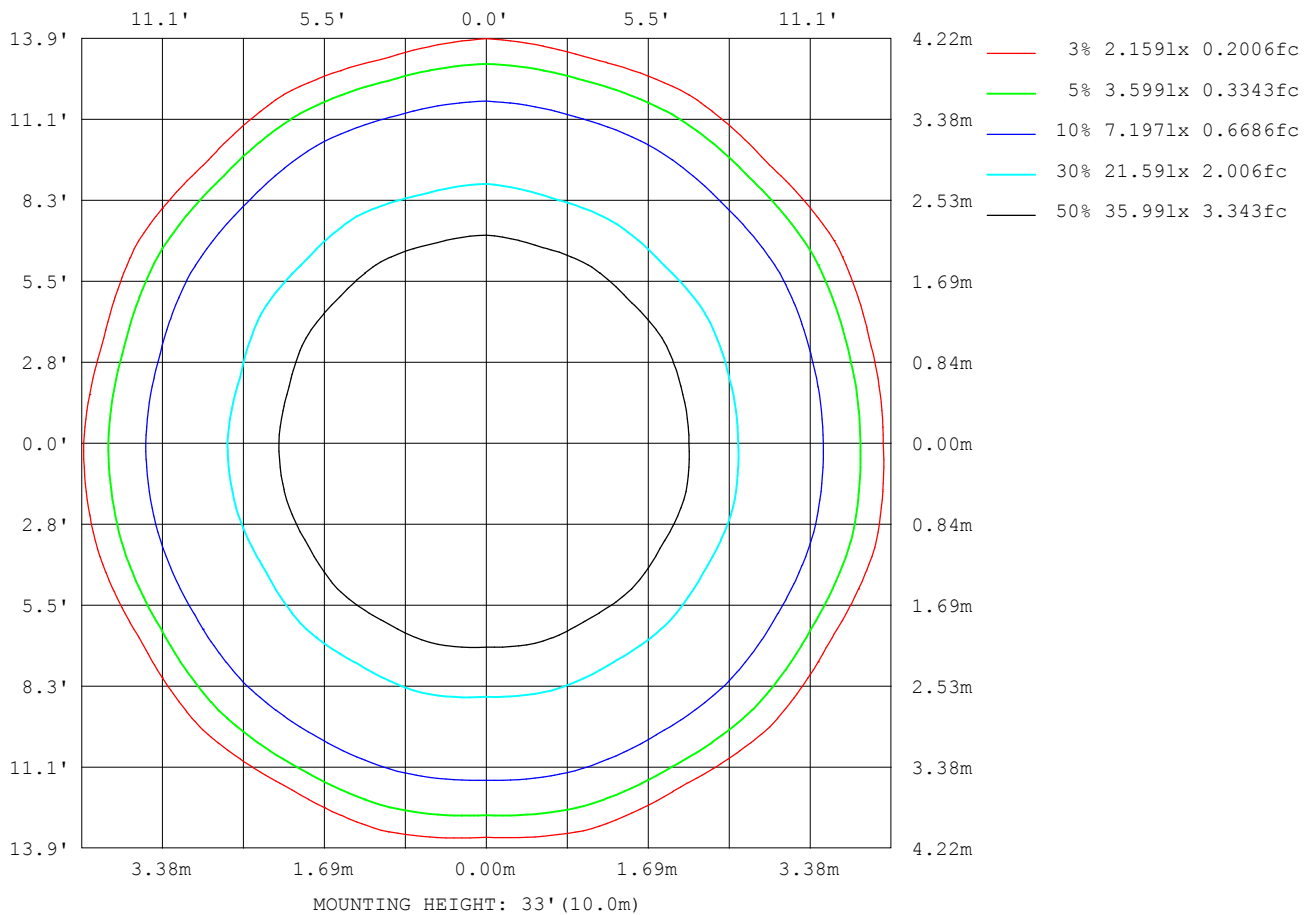
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-04-17

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

# ISOLUX DIAGRAM

|   |         |                  |
|---|---------|------------------|
| Test:U:225.2V I:0.0910A P:19.70W PF:0.9540 Freq:50.00Hz Lamp Flux:1348.6x1 lm |         |                  |
| NAME: REG2095RF-20G40-M   | TYPE:   | WEIGHT:          |
| SPEC.:  | DIM.:   | SERIAL No.:      |
| MFR.:   | SUR.:85 | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-04-17

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## LED Avg.L Report

|   |         |                  |
|---|---------|------------------|
| Test:U:225.2V I:0.0910A P:19.70W PF:0.9540 Freq:50.00Hz Lamp Flux:1348.6x1 lm |         |                  |
| NAME: REG2095RF-20G40-M   | TYPE:   | WEIGHT:          |
| SPEC.:  | DIM.:   | SERIAL No.:      |
| MFR.:   | SUR.:85 | Shielding Angle: |

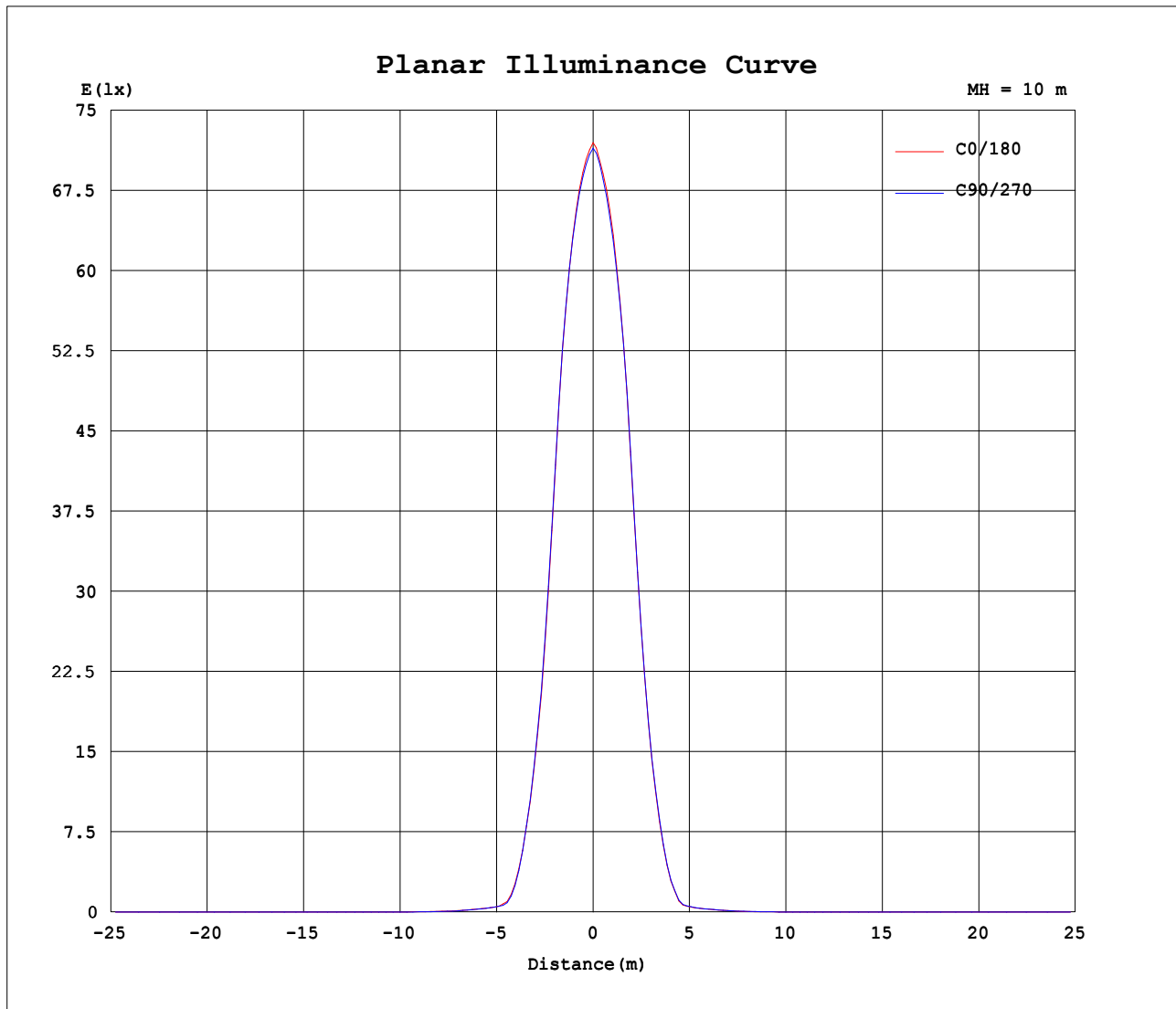
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 66    |
| L_0~180 (75) av  | 261   |
| L_0~180 (85) av  | 1053  |
| L_90~270 (65) av | 66    |
| L_90~270 (75) av | 273   |
| L_90~270 (85) av | 1085  |
| L_45 (65) av     | 65    |
| L_45 (75) av     | 270   |
| L_45 (85) av     | 1107  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-04-17

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: AE  
Test Date: 2020-04-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 7.240m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

```