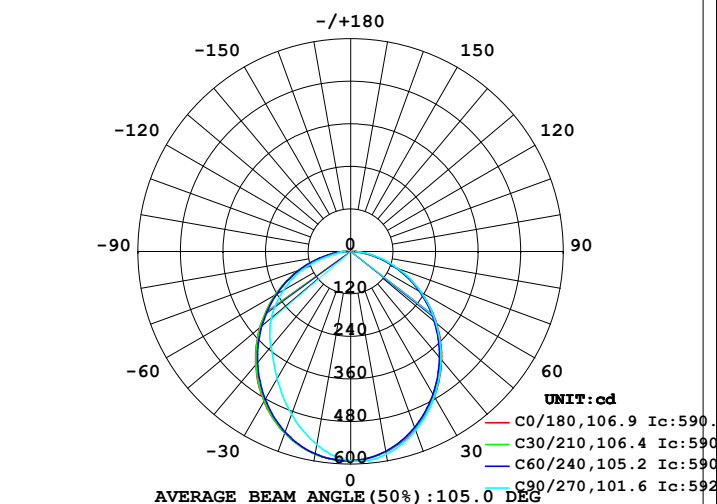


## LUMINAIRE PHOTOMETRIC TEST REPORT

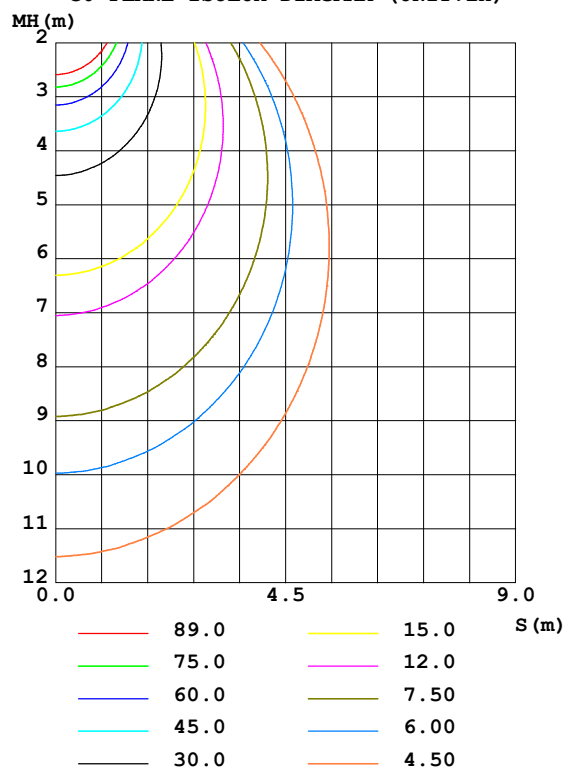
|   |               |                  |
|---|---------------|------------------|
| Test:U:48.00V I:0.5060A P:24.29W PF:1.000 Freq:50.00Hz Lamp Flux:1575.81x1 lm |               |                  |
| NAME: M20-T41309-24G40-120D   | TYPE:         | WEIGHT:          |
| SPEC.:  | DIM.:         | SERIAL No.:      |
| MFR.:   | SUR.:900*21.6 | Shielding Angle: |

| DATA OF LAMP     |             | PHOTOMETRIC DATA Eff: 64.88 lm/W |        |                        |          |
|------------------|-------------|----------------------------------|--------|------------------------|----------|
| MODEL            | 4000K CRI90 | Imax(cd)                         | 592.6  | S/MH(C0/180)           | 1.24     |
| NOMINAL POWER(W) | 24          | LOR(%)                           | 100.0  | S/MH(C90/270)          | 1.07     |
| RATED VOLTAGE(V) | 220         | TOTAL FLUX(lm)                   | 1575.8 | $\eta$ UP,DN(C0-180)   | 0.0,49.3 |
| NOMINAL FLUX(lm) | 1575.81     | CIE CLASS                        | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,50.7 |
| LAMPS INSIDE     | 1           | $\eta$ up(%)                     | 0.0    | CIBSE SHR NOM          | 1.25     |
| TEST VOLTAGE(V)  | 225.4       | $\eta$ down(%)                   | 100.0  | 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:ZR  
 Test Date:2021-08-30

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:8.402m [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       | 573.6                 | 572.2 | 580.5 | 576.0 | 579.8 | 579.3 | 553.3 | 576.2 | 0- 10    | 55.64       | 55.64        | 3.53,3.53  |
| 20       | 532.7                 | 529.7 | 536.2 | 535.8 | 544.8 | 542.2 | 488.7 | 536.2 | 10- 20   | 157.2       | 212.9        | 13.5,13.5  |
| 30       | 472.9                 | 467.4 | 472.3 | 475.7 | 489.1 | 483.9 | 415.4 | 475.8 | 20- 30   | 233.1       | 445.9        | 28.3,28.3  |
| 40       | 399.3                 | 392.7 | 396.4 | 401.8 | 417.0 | 410.9 | 350.4 | 401.8 | 30- 40   | 274.0       | 719.9        | 45.7,45.7  |
| 50       | 316.6                 | 309.4 | 314.0 | 319.5 | 335.0 | 329.5 | 293.3 | 319.8 | 40- 50   | 278.1       | 998.0        | 63.3,63.3  |
| 60       | 228.9                 | 224.1 | 228.4 | 233.2 | 245.7 | 243.3 | 219.4 | 233.9 | 50- 60   | 247.0       | 1245         | 79,79      |
| 70       | 137.9                 | 137.9 | 141.9 | 146.2 | 154.2 | 154.5 | 139.0 | 145.8 | 60- 70   | 187.4       | 1432         | 90.9,90.9  |
| 80       | 53.79                 | 57.70 | 63.29 | 63.80 | 66.40 | 71.51 | 48.95 | 64.29 | 70- 80   | 108.6       | 1541         | 97.8,97.8  |
| 90       | 4.317                 | 10.07 | 14.93 | 10.03 | 7.101 | 10.73 | 14.87 | 10.67 | 80- 90   | 34.81       | 1576         | 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): 860.69 lm

%lum = 54.6%

%lamp = 54.6%

Conical surface Flux(120deg): 1244.9 lm

%lum = 79.0%

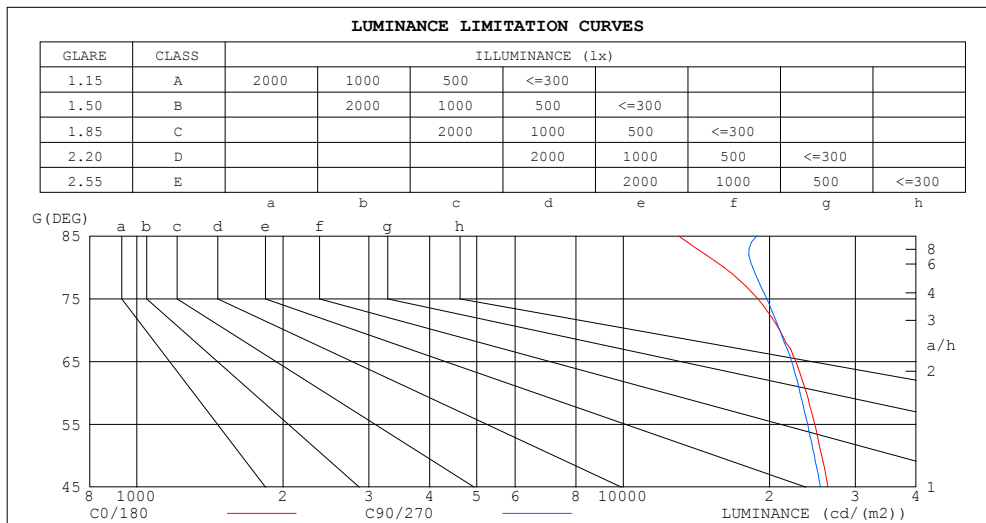
%lamp = 79.0%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZR  
 Test Date:2021-08-30

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:8.402m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|   |               |                  |
|---|---------------|------------------|
| Test:U:48.00V I:0.5060A P:24.29W PF:1.000 Freq:50.00Hz Lamp Flux:1575.81x1 lm |               |                  |
| NAME: M20-T41309-24G40-120D   | TYPE:         | WEIGHT:          |
| SPEC.:  | DIM.:         | SERIAL No.:      |
| MFR.:   | SUR.:900*21.6 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 12983  | 18826   |
| 80                | 16106  | 18444   |
| 75                | 18909  | 19730   |
| 70                | 20963  | 20989   |
| 65                | 22638  | 22193   |
| 60                | 23805  | 23113   |
| 55                | 24759  | 23936   |
| 50                | 25614  | 24715   |
| 45                | 26343  | 25439   |

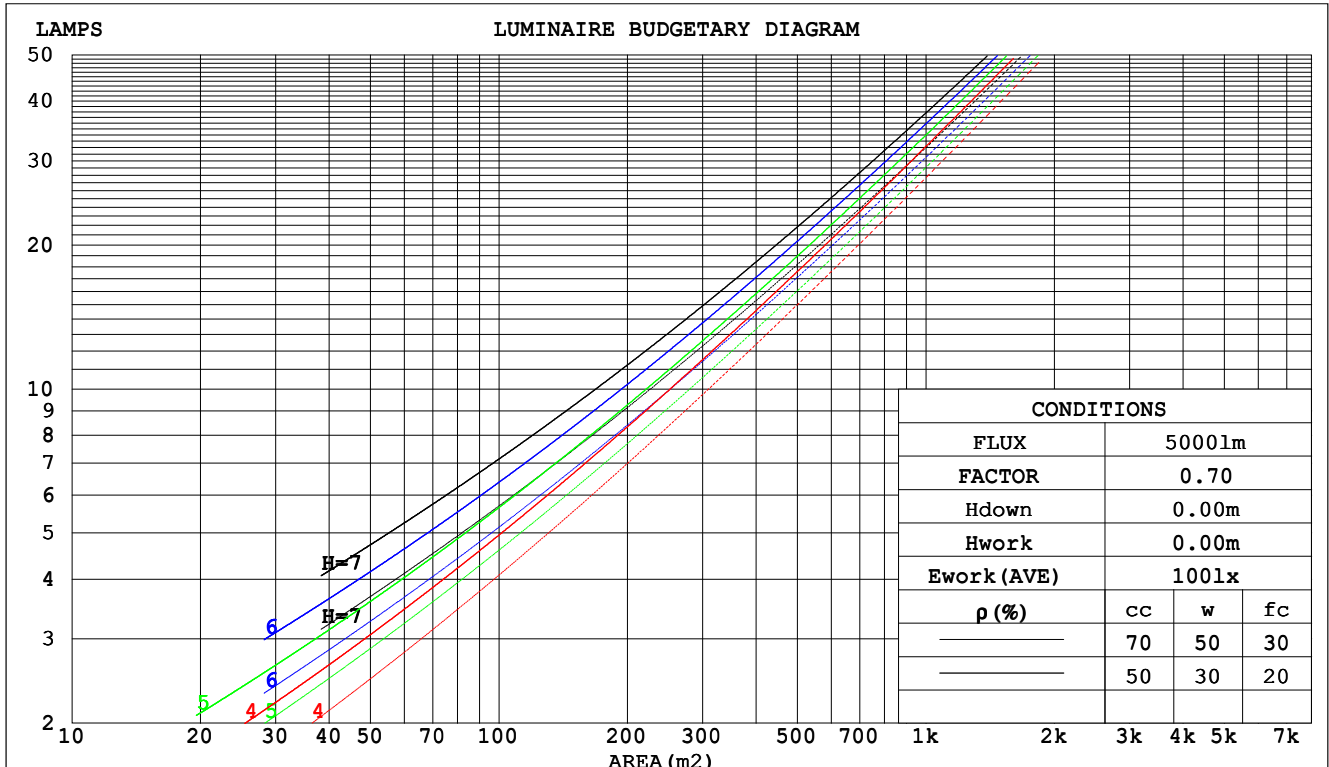
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-08-30

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |               |                  |
|---|---------------|------------------|
| Test:U:48.00V I:0.5060A P:24.29W PF:1.000 Freq:50.00Hz Lamp Flux:1575.81x1 lm |               |                  |
| NAME: M20-T41309-24G40-120D   | TYPE:         | WEIGHT:          |
| SPEC.:  | DIM.:         | SERIAL No.:      |
| MFR.:   | SUR.:900*21.6 | 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  | 1.04                  | .00  | .96  | 1.02                            | .98  | .94  | .97  | .94  | .91  | .93  | .91  | .88  | .90  | .88  | .86  | .84  |
| 2.0  | .91                   | .84  | .78  | .89                             | .82  | .77  | .85  | .80  | .75  | .82  | .77  | .74  | .79  | .75  | .72  | .70  |
| 3.0  | .80                   | .71  | .65  | .78                             | .70  | .64  | .75  | .69  | .63  | .72  | .67  | .62  | .70  | .65  | .61  | .59  |
| 4.0  | .71                   | .62  | .55  | .69                             | .61  | .55  | .67  | .60  | .54  | .64  | .58  | .53  | .62  | .57  | .52  | .50  |
| 5.0  | .63                   | .54  | .48  | .62                             | .54  | .47  | .60  | .52  | .47  | .58  | .51  | .46  | .56  | .50  | .46  | .44  |
| 6.0  | .57                   | .48  | .42  | .56                             | .48  | .41  | .54  | .47  | .41  | .52  | .46  | .41  | .51  | .45  | .40  | .38  |
| 7.0  | .52                   | .43  | .37  | .51                             | .43  | .37  | .49  | .42  | .36  | .48  | .41  | .36  | .47  | .40  | .36  | .34  |
| 8.0  | .47                   | .39  | .33  | .47                             | .38  | .33  | .45  | .38  | .33  | .44  | .37  | .32  | .43  | .37  | .32  | .30  |
| 9.0  | .43                   | .35  | .30  | .43                             | .35  | .30  | .42  | .34  | .29  | .41  | .34  | .29  | .40  | .33  | .29  | .27  |
| 10.0 | .40                   | .32  | .27  | .40                             | .32  | .27  | .39  | .32  | .27  | .38  | .31  | .27  | .37  | .31  | .26  | .25  |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZR  
 Test Date:2021-08-30

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:8.402m [K=1.0000]  
 Remarks:

### WEC AND CCEC

|   |  |  |               |  |                  |
|---|--|--|---------------|--|------------------|
| Test:U:48.00V I:0.5060A P:24.29W PF:1.000 Freq:50.00Hz Lamp Flux:1575.81x1 lm |  |  |               |  |                  |
| NAME: M20-T41309-24G40-120D   |  |  | TYPE:         |  | WEIGHT:          |
| SPEC.:  |  |  | DIM.:         |  | SERIAL No.:      |
| MFR.:   |  |  | SUR.:900*21.6 |  | 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  | .310                  | .176 | .056 | .303 | .173 | .055 | .290                            | .166 | .053 | .278 | .160 | .051 | .266 | .154 | .050 |   |  |
| 2.0  | .290                  | .159 | .049 | .284 | .157 | .048 | .273                            | .152 | .047 | .262 | .147 | .046 | .252 | .142 | .045 |   |  |
| 3.0  | .268                  | .143 | .043 | .263 | .141 | .042 | .252                            | .137 | .042 | .243 | .133 | .041 | .234 | .130 | .040 |   |  |
| 4.0  | .247                  | .129 | .038 | .243 | .127 | .038 | .233                            | .124 | .037 | .225 | .121 | .036 | .217 | .118 | .036 |   |  |
| 5.0  | .229                  | .117 | .034 | .224 | .115 | .034 | .216                            | .113 | .033 | .209 | .110 | .033 | .202 | .108 | .032 |   |  |
| 6.0  | .212                  | .106 | .030 | .208 | .105 | .030 | .201                            | .103 | .030 | .194 | .101 | .030 | .188 | .099 | .029 |   |  |
| 7.0  | .197                  | .098 | .028 | .194 | .097 | .028 | .188                            | .095 | .027 | .182 | .093 | .027 | .176 | .091 | .027 |   |  |
| 8.0  | .184                  | .090 | .025 | .181 | .089 | .025 | .176                            | .088 | .025 | .170 | .086 | .025 | .165 | .085 | .025 |   |  |
| 9.0  | .173                  | .084 | .023 | .170 | .083 | .023 | .165                            | .082 | .023 | .160 | .080 | .023 | .156 | .079 | .023 |   |  |
| 10.0 | .163                  | .078 | .022 | .160 | .077 | .022 | .155                            | .076 | .021 | .151 | .075 | .021 | .147 | .074 | .021 |   |  |

| 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  | .180                  | .156 | .134 | .154 | .134 | .116 | .106                                       | .092 | .080 | .061 | .053 | .046 | .019 | .017 | .015 |   |
| 2.0  | .172                  | .132 | .098 | .147 | .114 | .085 | .101                                       | .079 | .059 | .058 | .046 | .035 | .019 | .015 | .011 |   |
| 3.0  | .164                  | .114 | .075 | .141 | .099 | .065 | .097                                       | .068 | .045 | .056 | .040 | .027 | .018 | .013 | .009 |   |
| 4.0  | .156                  | .101 | .059 | .134 | .087 | .051 | .092                                       | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 |   |
| 5.0  | .149                  | .091 | .047 | .128 | .078 | .041 | .088                                       | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 |   |
| 6.0  | .142                  | .082 | .039 | .122 | .071 | .034 | .084                                       | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 |   |
| 7.0  | .135                  | .075 | .033 | .116 | .065 | .029 | .080                                       | .046 | .021 | .047 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0  | .128                  | .069 | .029 | .111 | .060 | .025 | .077                                       | .042 | .018 | .045 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0  | .122                  | .064 | .025 | .105 | .056 | .022 | .073                                       | .039 | .016 | .043 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0 | .117                  | .060 | .023 | .101 | .052 | .020 | .070                                       | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-08-30

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

|   |               |                  |      |      |      |               |                |      |                  |      |      |
|---|---------------|------------------|------|------|------|---------------|----------------|------|------------------|------|------|
| Test:U:48.00V I:0.5060A P:24.29W PF:1.000 Freq:50.00Hz Lamp Flux:1575.81x1 lm |               |                  |      |      |      |               |                |      |                  |      |      |
| NAME: M20-T41309-24G40-120D   |               |                  |      |      |      | TYPE:         |                |      | WEIGHT:          |      |      |
| SPEC.:  |               |                  |      |      |      | DIM.:         |                |      | SERIAL No.:      |      |      |
| MFR.:   |               |                  |      |      |      | SUR.:900*21.6 |                |      | 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   | 22.3          | 23.8             | 22.5 | 24.0 | 24.2 | 22.1          | 23.6           | 22.4 | 23.8             | 24.0 |      |
|   | 3H            | 23.7             | 25.1 | 24.0 | 25.3 | 25.6          | 23.6           | 25.0 | 23.9             | 25.2 | 25.5 |
|   | 4H            | 24.3             | 25.6 | 24.6 | 25.8 | 26.1          | 24.2           | 25.5 | 24.5             | 25.8 | 26.0 |
|   | 6H            | 24.6             | 25.9 | 25.0 | 26.1 | 26.4          | 24.6           | 25.9 | 25.0             | 26.2 | 26.5 |
|   | 8H            | 24.7             | 25.9 | 25.1 | 26.2 | 26.5          | 24.8           | 26.0 | 25.2             | 26.3 | 26.6 |
|   | 12H           | 24.8             | 25.9 | 25.1 | 26.2 | 26.5          | 24.9           | 26.1 | 25.3             | 26.4 | 26.7 |
| 4H  | 2H            | 22.8             | 24.2 | 23.1 | 24.4 | 24.7          | 22.7           | 24.0 | 23.0             | 24.3 | 24.5 |
|   | 3H            | 24.4             | 25.6 | 24.8 | 25.9 | 26.2          | 24.4           | 25.5 | 24.7             | 25.8 | 26.1 |
|   | 4H            | 25.1             | 26.2 | 25.5 | 26.5 | 26.8          | 25.1           | 26.2 | 25.5             | 26.5 | 26.8 |
|   | 6H            | 25.6             | 26.6 | 26.0 | 26.9 | 27.3          | 25.7           | 26.6 | 26.1             | 27.0 | 27.3 |
|   | 8H            | 25.8             | 26.6 | 26.2 | 27.0 | 27.4          | 25.9           | 26.8 | 26.3             | 27.1 | 27.5 |
|   | 12H           | 25.8             | 26.7 | 26.3 | 27.0 | 27.5          | 26.1           | 26.9 | 26.5             | 27.3 | 27.7 |
| 8H  | 4H            | 25.4             | 26.2 | 25.8 | 26.6 | 27.0          | 25.3           | 26.2 | 25.7             | 26.6 | 27.0 |
|   | 6H            | 26.0             | 26.7 | 26.4 | 27.1 | 27.6          | 26.1           | 26.8 | 26.5             | 27.2 | 27.6 |
|   | 8H            | 26.2             | 26.9 | 26.7 | 27.3 | 27.7          | 26.4           | 27.0 | 26.8             | 27.5 | 27.9 |
|   | 12H           | 26.4             | 26.9 | 26.9 | 27.4 | 27.9          | 26.7           | 27.2 | 27.1             | 27.7 | 28.1 |
| 12H   | 4H            | 25.4             | 26.2 | 25.8 | 26.6 | 27.0          | 25.3           | 26.2 | 25.8             | 26.5 | 26.9 |
|   | 6H            | 26.0             | 26.7 | 26.5 | 27.1 | 27.6          | 26.1           | 26.8 | 26.6             | 27.2 | 27.7 |
|   | 8H            | 26.3             | 26.9 | 26.8 | 27.3 | 27.8          | 26.5           | 27.0 | 27.0             | 27.5 | 28.0 |
| Variations with the observer position at spacings:                            |               |                  |      |      |      |               |                |      |                  |      |      |
| S = 1.0H  | + 0.2 / - 0.2 |                  |      |      |      | + 0.2 / - 0.2 |                |      |                  |      |      |
| 1.5H  | + 0.2 / - 0.3 |                  |      |      |      | + 0.2 / - 0.3 |                |      |                  |      |      |
| 2.0H  | + 0.2 / - 0.3 |                  |      |      |      | + 0.2 / - 0.2 |                |      |                  |      |      |

CIE Pub.117, 1576 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.6)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-08-30

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|   |               |                  |
|---|---------------|------------------|
| Test:U:48.00V I:0.5060A P:24.29W PF:1.000 Freq:50.00Hz Lamp Flux:1575.81x1 lm |               |                  |
| NAME: M20-T41309-24G40-120D   | TYPE:         | WEIGHT:          |
| SPEC.:  | DIM.:         | SERIAL No.:      |
| MFR.:   | SUR.:900*21.6 | Shielding Angle: |

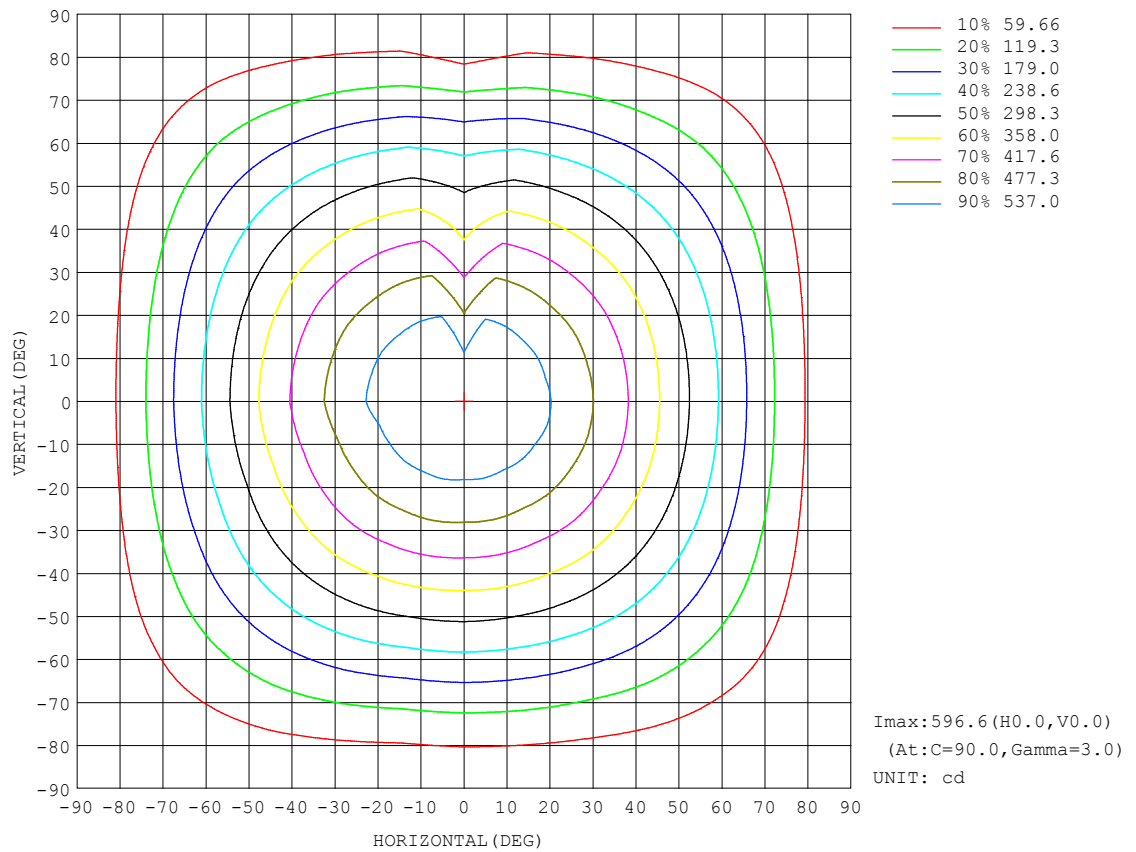
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 58   | 47  | 40        | 57  | 46  | 40  | 56  | 46            | 39  | 33     |
| 0.80                             | 68   | 57  | 49        | 67  | 56  | 49  | 65  | 55            | 49  | 42     |
| 1.00                             | 76   | 65  | 58        | 75  | 65  | 58  | 73  | 66            | 57  | 50     |
| 1.25                             | 83   | 73  | 66        | 82  | 72  | 66  | 79  | 71            | 65  | 57     |
| 1.50                             | 88   | 79  | 72        | 87  | 78  | 71  | 84  | 76            | 70  | 63     |
| 2.00                             | 95   | 87  | 80        | 93  | 85  | 79  | 90  | 83            | 78  | 70     |
| 2.50                             | 99   | 91  | 85        | 97  | 90  | 84  | 93  | 87            | 82  | 74     |
| 3.00                             | 102  | 95  | 90        | 100 | 94  | 89  | 96  | 91            | 87  | 78     |
| 4.00                             | 106  | 101 | 96        | 104 | 99  | 95  | 100 | 95            | 92  | 83     |
| 5.00                             | 109  | 104 | 100       | 106 | 102 | 98  | 102 | 98            | 95  | 86     |
| 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:ZR  
Test Date:2021-08-30

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|   |               |                  |
|---|---------------|------------------|
| Test:U:48.00V I:0.5060A P:24.29W PF:1.000 Freq:50.00Hz Lamp Flux:1575.81x1 lm |               |                  |
| NAME: M20-T41309-24G40-120D   | TYPE:         | WEIGHT:          |
| SPEC.:  | DIM.:         | SERIAL No.:      |
| MFR.:   | SUR.:900*21.6 | Shielding Angle: |



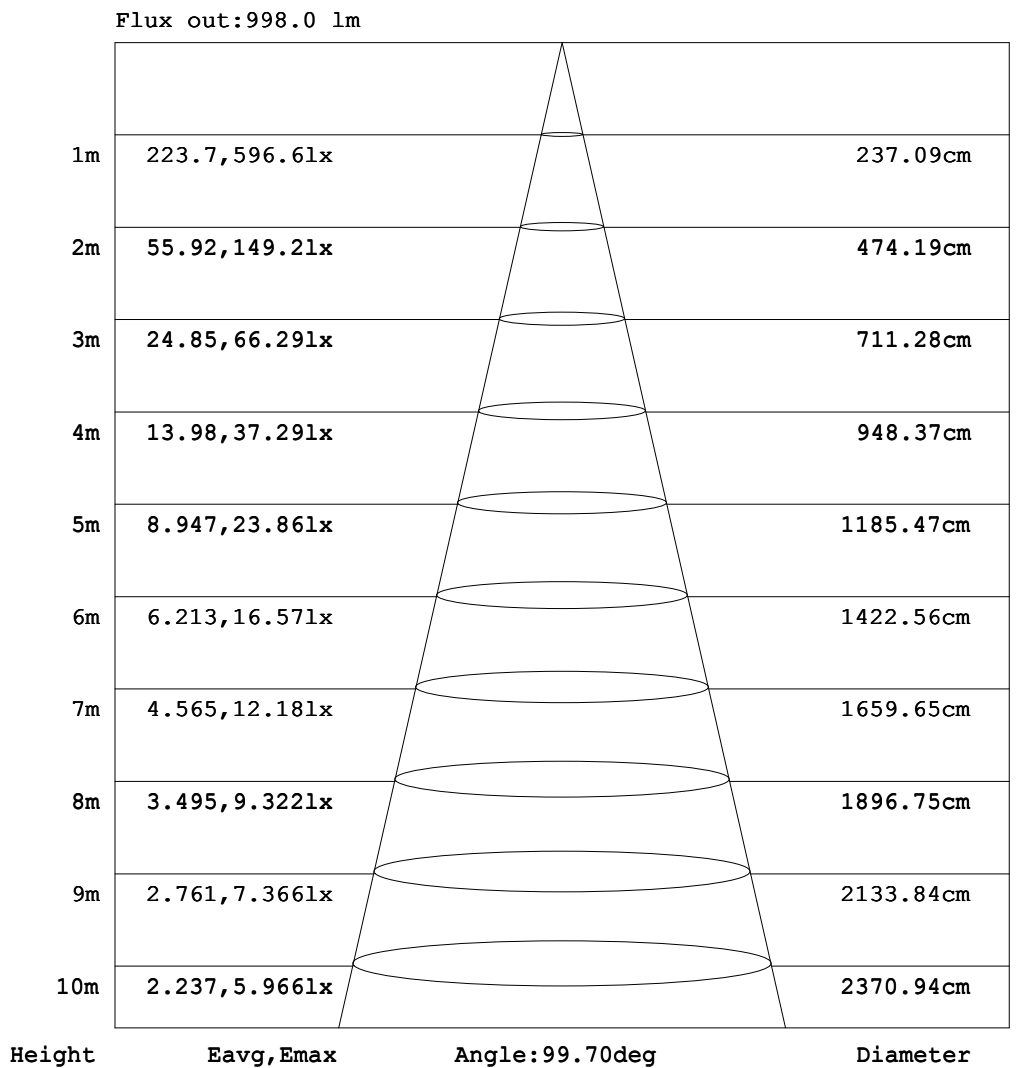
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-08-30

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:



### AAI Figure

|   |               |                  |
|---|---------------|------------------|
| Test:U:48.00V I:0.5060A P:24.29W PF:1.000 Freq:50.00Hz Lamp Flux:1575.81x1 lm |               |                  |
| NAME: M20-T41309-24G40-120D   | TYPE:         | WEIGHT:          |
| SPEC.:  | DIM.:         | SERIAL No.:      |
| MFR.:   | SUR.:900*21.6 | Shielding Angle: |



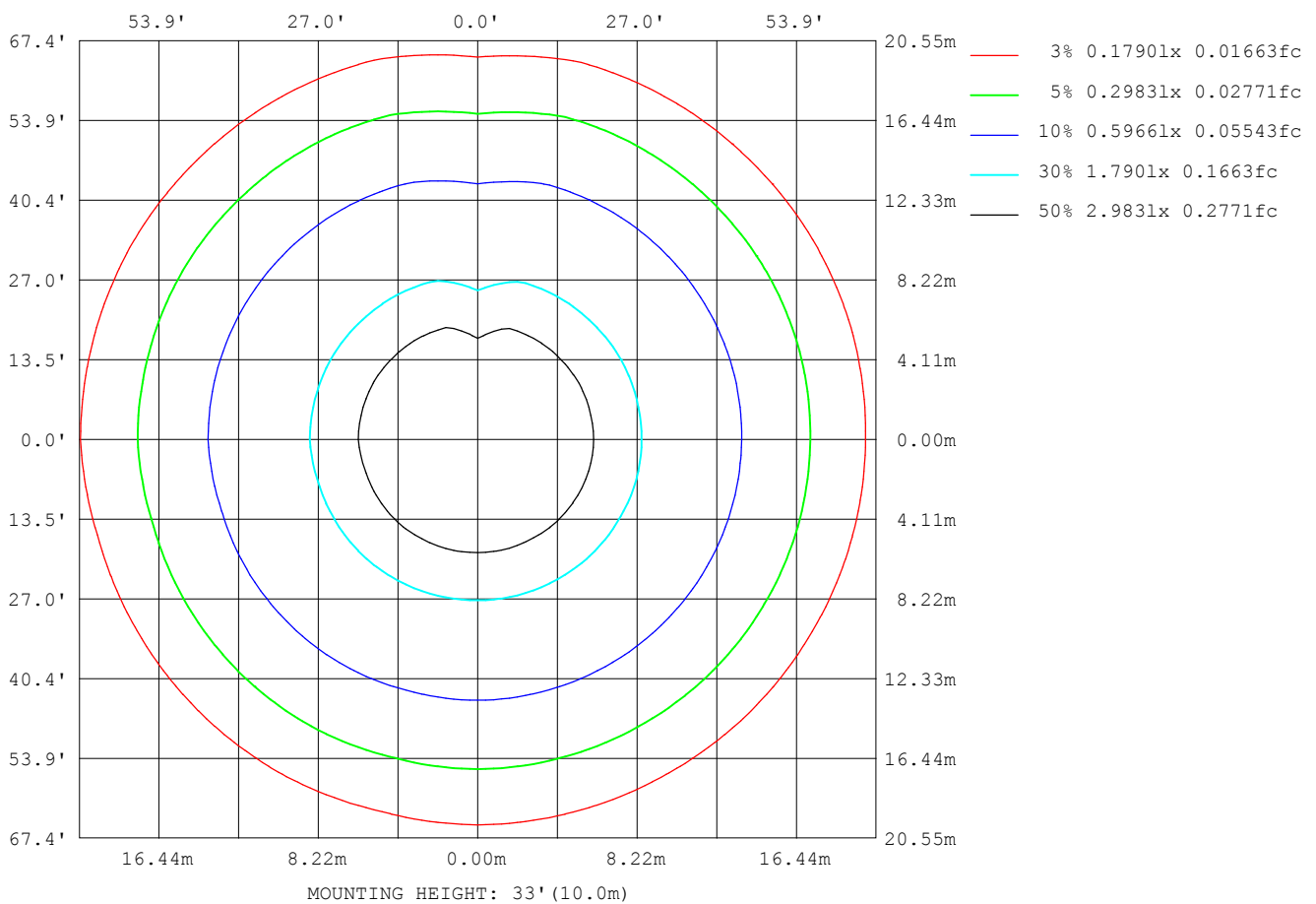
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-08-30

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:

# ISOLUX DIAGRAM

|   |               |                  |
|---|---------------|------------------|
| Test:U:48.00V I:0.5060A P:24.29W PF:1.000 Freq:50.00Hz Lamp Flux:1575.81x1 lm |               |                  |
| NAME: M20-T41309-24G40-120D   | TYPE:         | WEIGHT:          |
| SPEC.:  | DIM.:         | SERIAL No.:      |
| MFR.:   | SUR.:900*21.6 | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZR  
Test Date:2021-08-30

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:65.0%  
Test Distance:8.402m [K=1.0000]  
Remarks:

## LED Avg.L Report

|   |               |                  |
|---|---------------|------------------|
| Test:U:48.00V I:0.5060A P:24.29W PF:1.000 Freq:50.00Hz Lamp Flux:1575.81x1 lm |               |                  |
| NAME: M20-T41309-24G40-120D   | TYPE:         | WEIGHT:          |
| SPEC.:  | DIM.:         | SERIAL No.:      |
| MFR.:   | SUR.:900*21.6 | Shielding Angle: |

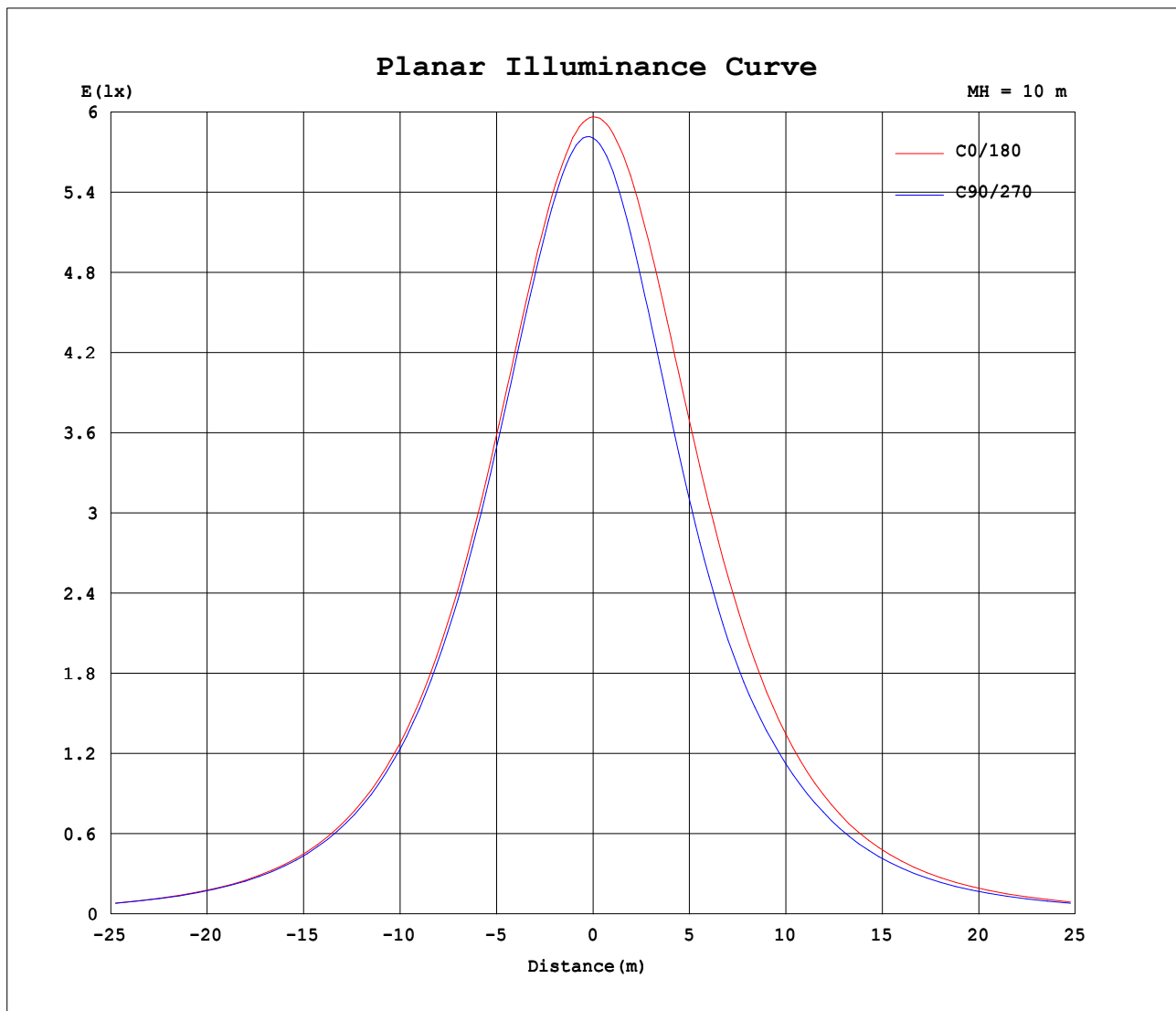
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 23385 |
| L_0~180 (75) av  | 20184 |
| L_0~180 (85) av  | 15575 |
| L_90~270 (65) av | 22305 |
| L_90~270 (75) av | 19138 |
| L_90~270 (85) av | 18746 |
| L_45 (65) av     | 23138 |
| L_45 (75) av     | 20611 |
| L_45 (85) av     | 18275 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZR  
 Test Date:2021-08-30

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:8.402m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZR  
Test Date: 2021-08-30

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity: 65.0%  
Test Distance: 8.402m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:8.402m [K=1.0000]
Remarks:

```