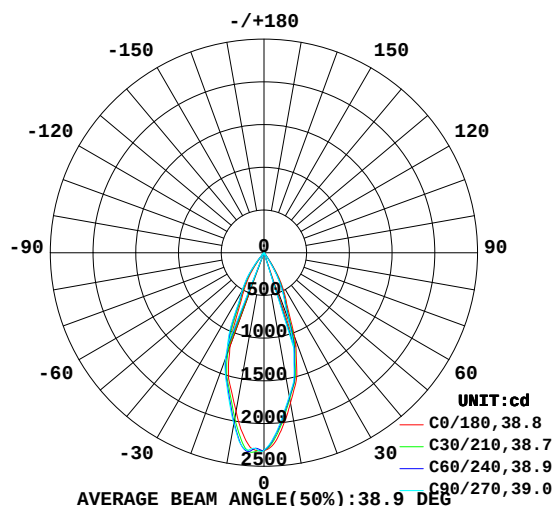


## LUMINAIRE PHOTOMETRIC TEST REPORT

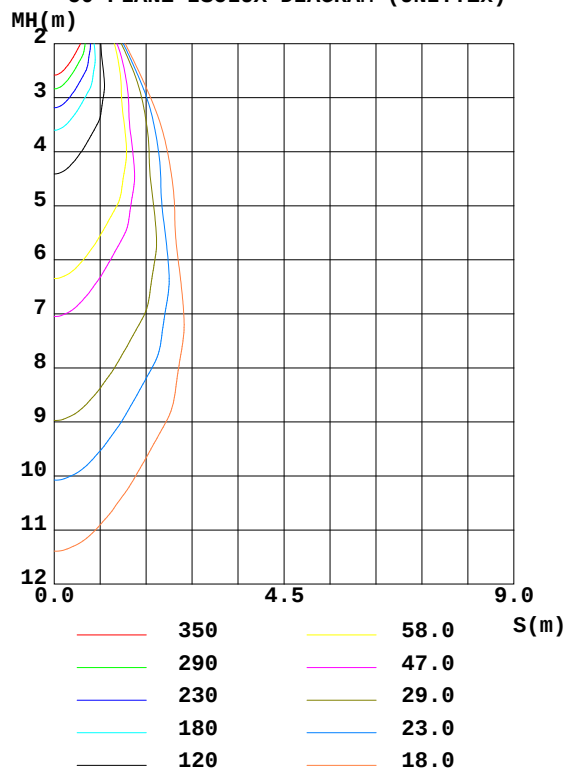
|                          |                     |                  |
|--------------------------|---------------------|------------------|
| NAME: VM060-VF64RF01-15W | TYPE: indoor lights | WEIGHT: 1        |
| SPEC.: 3000K-CRI90-55D   | DIM.:               | SERIAL No.:      |
| MFR.:                    | SUR.:               | Shielding Angle: |

| DATA OF LAMP     |                   | PHOTOMETRIC DATA Eff: 81.75 lm/W |        |                         |           |
|------------------|-------------------|----------------------------------|--------|-------------------------|-----------|
| MODEL            | BXRE-30G1000-C-7X | Imax(cd)                         | 2341   | S/MH(C0/180)            | 0.63      |
| NOMINAL POWER(W) | 15                | LOR(%)                           | 100.0  | S/MH(C90/270)           | 0.68      |
| RATED VOLTAGE(V) | 230               | TOTAL FLUX(lm)                   | 1099.6 | $\eta$ UP, DN(C0-180)   | 1.3, 43.2 |
| NOMINAL FLUX(lm) | 1099.62           | CIE CLASS                        | DIRECT | $\eta$ UP, DN(C180-360) | 1.1, 54.4 |
| LAMPS INSIDE     | 1                 | $\eta$ up(%)                     | 2.4    | CIBSE SHR NOM           | 0.50      |
| TEST VOLTAGE(V)  | 230               | $\eta$ down(%)                   | 97.6   | CIBSE SHR MAX           | 0.60      |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 28DEG  
Operators: LGL  
Test Date: 2021-08-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
Humidity: 65.0%  
Test Distance: 5.190m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

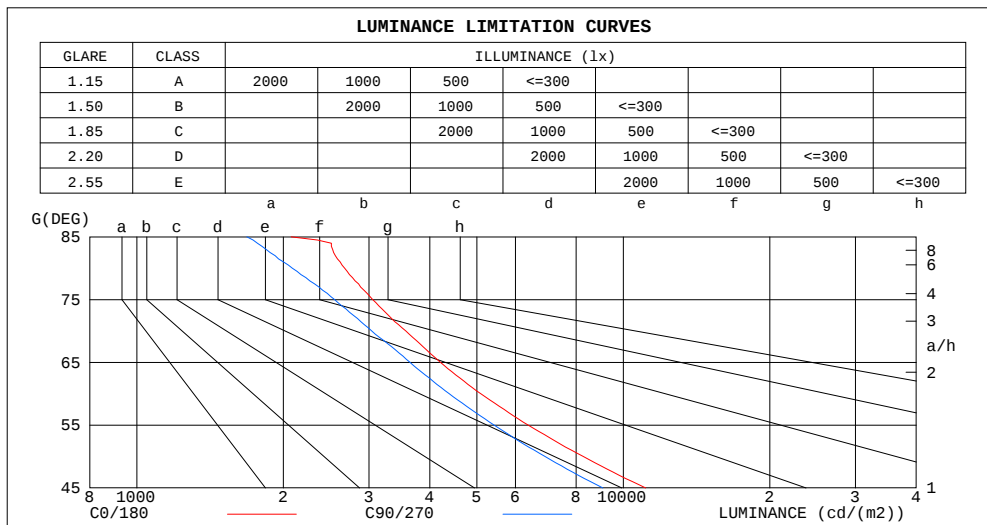
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 1786                  | 1736   | 1706   | 1766   | 1887   | 1982   | 2032   | 1907   | 0- 10    | 196.9       | 196.9        | 17.9,17.9  |
| 20       | 1042                  | 936.4  | 852.5  | 1007   | 1163   | 1243   | 1317   | 1186   | 10- 20   | 415.1       | 612.0        | 55.7,55.7  |
| 30       | 381.6                 | 326.8  | 282.6  | 342.6  | 418.3  | 479.1  | 516.4  | 478.0  | 20- 30   | 310.1       | 922.1        | 83.9,83.9  |
| 40       | 33.23                 | 29.19  | 26.87  | 30.42  | 35.38  | 62.05  | 78.62  | 48.00  | 30- 40   | 113.5       | 1036         | 94.2,94.2  |
| 50       | 14.87                 | 13.42  | 12.56  | 14.16  | 16.03  | 17.87  | 19.25  | 17.74  | 40- 50   | 18.67       | 1054         | 95.9,95.9  |
| 60       | 7.122                 | 6.550  | 6.209  | 7.049  | 7.952  | 8.712  | 9.112  | 8.383  | 50- 60   | 9.943       | 1064         | 96.8,96.8  |
| 70       | 3.416                 | 3.120  | 2.944  | 3.434  | 3.932  | 4.339  | 4.445  | 4.031  | 60- 70   | 5.404       | 1070         | 97.3,97.3  |
| 80       | 1.298                 | 1.121  | 1.026  | 1.275  | 1.484  | 1.836  | 1.912  | 1.616  | 70- 80   | 2.627       | 1072         | 97.5,97.5  |
| 90       | 0.2610                | 0.2564 | 0.2545 | 0.2628 | 0.2209 | 0.3425 | 0.4085 | 0.2880 | 80- 90   | 0.8045      | 1073         | 97.6,97.6  |
| 100      | 0.2799                | 0.3156 | 0.3099 | 0.3164 | 0.2821 | 0.2454 | 0.2789 | 0.2716 | 90-100   | 0.2882      | 1073         | 97.6,97.6  |
| 110      | 0.5613                | 0.6754 | 0.7451 | 0.6531 | 0.5079 | 0.4335 | 0.4319 | 0.4695 | 100-110  | 0.4027      | 1074         | 97.7,97.7  |
| 120      | 1.699                 | 1.949  | 2.178  | 1.881  | 1.508  | 1.316  | 1.225  | 1.415  | 110-120  | 0.9901      | 1075         | 97.7,97.7  |
| 130      | 4.314                 | 4.763  | 5.128  | 4.621  | 3.964  | 3.573  | 3.419  | 3.783  | 120-130  | 2.485       | 1077         | 98,98      |
| 140      | 8.253                 | 8.767  | 9.260  | 8.677  | 7.811  | 7.297  | 7.117  | 7.637  | 130-140  | 4.659       | 1082         | 98.4,98.4  |
| 150      | 12.06                 | 12.38  | 12.92  | 12.50  | 11.78  | 11.37  | 11.27  | 11.69  | 140-150  | 6.322       | 1088         | 99,99      |
| 160      | 13.66                 | 13.91  | 14.38  | 14.44  | 13.83  | 13.79  | 13.94  | 13.99  | 150-160  | 6.097       | 1094         | 99.5,99.5  |
| 170      | 13.34                 | 13.19  | 13.74  | 14.00  | 13.69  | 13.76  | 14.00  | 13.89  | 160-170  | 3.973       | 1098         | 99.9,99.9  |
| 180      | 13.66                 | 13.81  | 13.87  | 14.21  | 13.68  | 13.80  | 13.88  | 14.21  | 170-180  | 1.309       | 1100         | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature:28DEG  
Operators:LGL  
Test Date:2021-08-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                          |                     |                  |
|--------------------------|---------------------|------------------|
| NAME: VM060-VF64RF01-15W | TYPE: indoor lights | WEIGHT: 1        |
| SPEC.: 3000K-CRI90-55D   | DIM.:               | SERIAL No.:      |
| MFR.:                    | SUR.:               | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G( DEG)           | C0/180 | C90/270 |
| 85                | 2075   | 1683    |
| 80                | 2673   | 2087    |
| 75                | 3054   | 2549    |
| 70                | 3571   | 3040    |
| 65                | 4208   | 3641    |
| 60                | 5093   | 4385    |
| 55                | 6370   | 5422    |
| 50                | 8270   | 6899    |
| 45                | 11115  | 9077    |

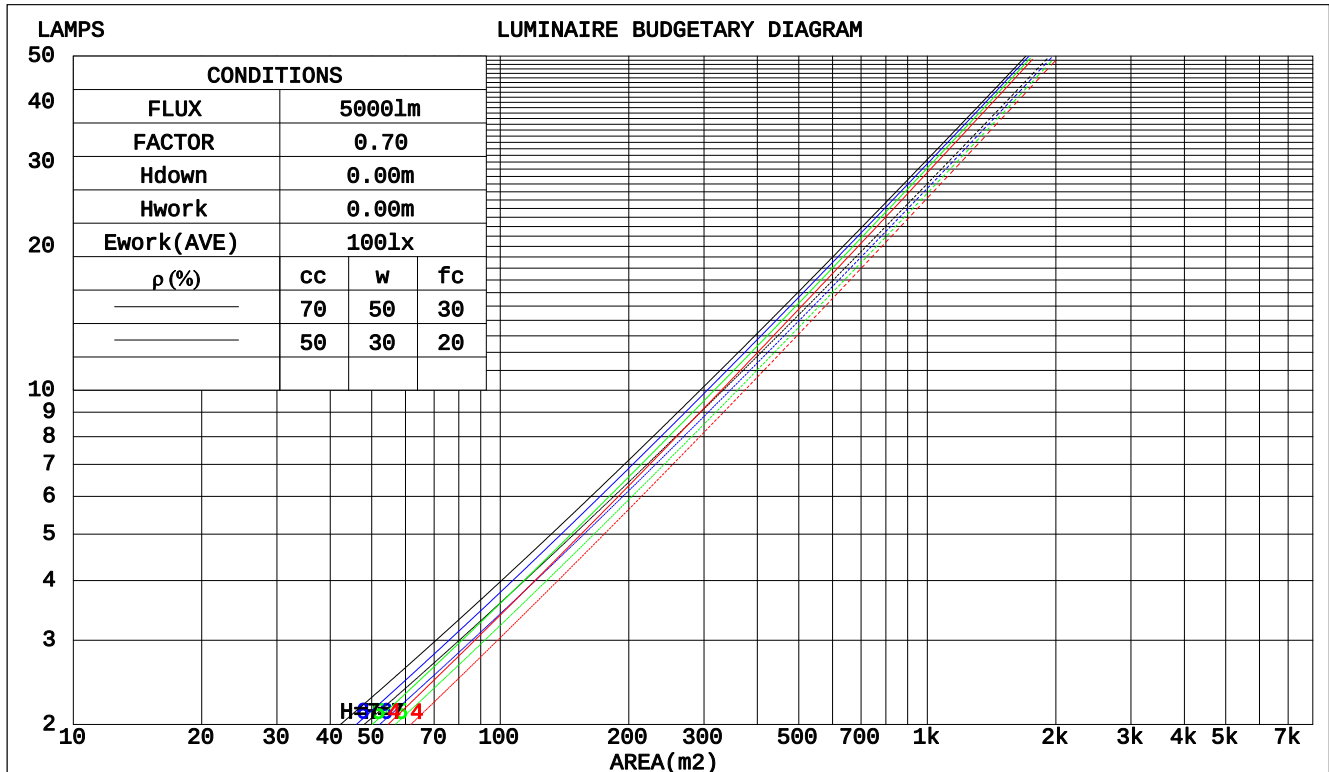
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 28DEG  
 Operators: LGL  
 Test Date: 2021-08-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
 Humidity: 65.0%  
 Test Distance: 5.190m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                          |                    |                  |
|--------------------------|--------------------|------------------|
| NAME: VM060-VF64RF01-15W | TYPE:indoor lights | WEIGHT:1         |
| SPEC.:3000K-CRI90-55D    | DIM.:              | SERIAL No.:      |
| MFR.:                    | SUR.:              | Shielding Angle: |

| $\rho_{CC}$ | 80%                   |      |      | 70%                             |      |      | 50%  |      |      | 30%  |      |      | 10% |     |     | 0   |
|-------------|-----------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| $\rho_W$    | 50%                   | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50% | 30% | 10% | 0   |
| $\rho_{fc}$ | 20%                   |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 20% |     |     | 0   |
| RCR         | RCR:Room Cavity Ratio |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |     |     |     |     |
| 0.0         | 1.18                  | 1.18 | 1.18 | 1.15                            | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | .00 | .00 | .00 | .98 |
| 1.0         | 1.11                  | 1.09 | 1.07 | 1.09                            | 1.07 | 1.05 | 1.04 | 1.03 | 1.01 | .00  | .99  | .98  | .96 | .95 | .94 | .92 |
| 2.0         | 1.04                  | 1.01 | .98  | 1.02                            | .99  | .96  | .99  | .96  | .94  | .95  | .93  | .91  | .92 | .91 | .89 | .88 |
| 3.0         | .98                   | .94  | .90  | .97                             | .93  | .89  | .94  | .90  | .88  | .91  | .88  | .86  | .89 | .86 | .84 | .83 |
| 4.0         | .93                   | .88  | .84  | .92                             | .87  | .84  | .89  | .85  | .82  | .87  | .84  | .81  | .85 | .82 | .80 | .79 |
| 5.0         | .88                   | .83  | .79  | .87                             | .82  | .79  | .85  | .81  | .78  | .83  | .80  | .77  | .82 | .79 | .76 | .75 |
| 6.0         | .84                   | .79  | .75  | .83                             | .78  | .74  | .81  | .77  | .74  | .80  | .76  | .73  | .78 | .75 | .72 | .71 |
| 7.0         | .80                   | .75  | .71  | .79                             | .74  | .71  | .78  | .73  | .70  | .76  | .72  | .70  | .75 | .72 | .69 | .68 |
| 8.0         | .76                   | .71  | .67  | .76                             | .71  | .67  | .74  | .70  | .67  | .73  | .69  | .66  | .72 | .69 | .66 | .65 |
| 9.0         | .73                   | .68  | .64  | .72                             | .67  | .64  | .71  | .67  | .64  | .70  | .66  | .63  | .69 | .66 | .63 | .62 |
| 10.0        | .70                   | .65  | .61  | .69                             | .64  | .61  | .68  | .64  | .61  | .67  | .64  | .61  | .67 | .63 | .60 | .59 |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:28DEG  
 Operators:LGL  
 Test Date:2021-08-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
 Humidity:65.0%  
 Test Distance:5.190m [K=1.0000]  
 Remarks:

# WEC AND CCEC

|                          |                    |                  |
|--------------------------|--------------------|------------------|
| NAME: VM060-VF64RF01-15W | TYPE:indoor lights | WEIGHT:1         |
| SPEC.:3000K-CRI90-55D    | DIM.:              | SERIAL No.:      |
| MFR.:                    | SUR.:              | Shielding Angle: |

| ρ <sub>CC</sub> | 80%                   |      |      | 70%  |      |      | 50%                            |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|-----------------|-----------------------|------|------|------|------|------|--------------------------------|------|------|------|------|------|------|------|------|---|--|
| ρ <sub>W</sub>  | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                            | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| ρ <sub>fc</sub> | 20%                   |      |      | 20%  |      |      | 20%                            |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR             | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coeffcients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0             |                       |      |      |      |      |      |                                |      |      |      |      |      |      |      |      |   |  |
| 1.0             | .163                  | .093 | .029 | .156 | .089 | .028 | .142                           | .082 | .026 | .129 | .075 | .024 | .118 | .068 | .022 |   |  |
| 2.0             | .154                  | .084 | .026 | .148 | .081 | .025 | .136                           | .076 | .023 | .125 | .070 | .022 | .115 | .065 | .021 |   |  |
| 3.0             | .145                  | .077 | .023 | .140 | .075 | .023 | .130                           | .070 | .021 | .121 | .066 | .020 | .112 | .062 | .019 |   |  |
| 4.0             | .137                  | .071 | .021 | .133 | .069 | .021 | .124                           | .066 | .020 | .116 | .062 | .019 | .108 | .059 | .018 |   |  |
| 5.0             | .130                  | .066 | .019 | .126 | .065 | .019 | .119                           | .062 | .018 | .112 | .059 | .018 | .105 | .056 | .017 |   |  |
| 6.0             | .124                  | .062 | .018 | .120 | .061 | .017 | .114                           | .058 | .017 | .107 | .056 | .016 | .102 | .053 | .016 |   |  |
| 7.0             | .118                  | .058 | .017 | .115 | .057 | .016 | .109                           | .055 | .016 | .103 | .053 | .015 | .098 | .051 | .015 |   |  |
| 8.0             | .113                  | .055 | .016 | .110 | .054 | .015 | .105                           | .052 | .015 | .100 | .051 | .015 | .095 | .049 | .014 |   |  |
| 9.0             | .108                  | .052 | .015 | .106 | .051 | .014 | .101                           | .050 | .014 | .096 | .048 | .014 | .092 | .047 | .014 |   |  |
| 10.0            | .104                  | .050 | .014 | .101 | .049 | .014 | .097                           | .048 | .013 | .093 | .046 | .013 | .089 | .045 | .013 |   |  |

| ρ <sub>CC</sub> | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-----------------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| ρ <sub>W</sub>  | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρ <sub>fC</sub> | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR             | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0             | .209                  | .209 | .209 | .178 | .178 | .178 | .122                                       | .122 | .122 | .070 | .070 | .070 | .022 | .022 | .022 |   |
| 1.0             | .189                  | .176 | .164 | .161 | .151 | .142 | .110                                       | .104 | .098 | .064 | .060 | .057 | .020 | .019 | .018 |   |
| 2.0             | .173                  | .151 | .133 | .148 | .130 | .115 | .101                                       | .090 | .080 | .058 | .052 | .047 | .019 | .017 | .015 |   |
| 3.0             | .159                  | .132 | .111 | .136 | .114 | .096 | .094                                       | .079 | .067 | .054 | .046 | .040 | .017 | .015 | .013 |   |
| 4.0             | .148                  | .117 | .094 | .127 | .101 | .082 | .087                                       | .071 | .057 | .051 | .041 | .034 | .016 | .013 | .011 |   |
| 5.0             | .139                  | .106 | .081 | .119 | .091 | .070 | .082                                       | .064 | .050 | .048 | .037 | .030 | .015 | .012 | .010 |   |
| 6.0             | .131                  | .096 | .071 | .112 | .083 | .062 | .078                                       | .058 | .044 | .045 | .034 | .026 | .015 | .011 | .009 |   |
| 7.0             | .124                  | .088 | .063 | .107 | .076 | .055 | .074                                       | .054 | .039 | .043 | .032 | .023 | .014 | .010 | .008 |   |
| 8.0             | .118                  | .082 | .057 | .102 | .071 | .050 | .070                                       | .050 | .035 | .041 | .029 | .021 | .013 | .010 | .007 |   |
| 9.0             | .113                  | .077 | .052 | .097 | .066 | .045 | .067                                       | .047 | .032 | .039 | .028 | .019 | .013 | .009 | .006 |   |
| 10.0            | .108                  | .072 | .048 | .093 | .063 | .042 | .065                                       | .044 | .030 | .038 | .026 | .018 | .012 | .009 | .006 |   |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature:28DEG  
Operators:LGL  
Test Date:2021-08-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                    |               |                  |      |      |      |                    |                |      |                  |      |      |
|----------------------------------------------------|---------------|------------------|------|------|------|--------------------|----------------|------|------------------|------|------|
| NAME: VM060-VF64RF01-15W                           |               |                  |      |      |      | TYPE:indoor lights |                |      | WEIGHT:1         |      |      |
| SPEC.:3000K-CRI90-55D                              |               |                  |      |      |      | DIM.:              |                |      | SERIAL No.:      |      |      |
| MFR.:                                              |               |                  |      |      |      | 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                                      | 14.3          | 15.1             | 14.6 | 15.3 | 15.5 | 12.4               | 13.2           | 12.6 | 13.4             | 13.6 |      |
|                                                    | 3H            | 14.3             | 15.1 | 14.6 | 15.3 | 15.6               | 12.4           | 13.2 | 12.7             | 13.4 | 13.7 |
|                                                    | 4H            | 14.3             | 15.0 | 14.6 | 15.3 | 15.6               | 12.5           | 13.2 | 12.8             | 13.4 | 13.7 |
|                                                    | 6H            | 14.3             | 15.0 | 14.6 | 15.3 | 15.5               | 12.4           | 13.1 | 12.8             | 13.4 | 13.7 |
|                                                    | 8H            | 14.3             | 14.9 | 14.6 | 15.2 | 15.5               | 12.4           | 13.1 | 12.8             | 13.4 | 13.7 |
|                                                    | 12H           | 14.3             | 14.9 | 14.6 | 15.2 | 15.5               | 12.4           | 13.0 | 12.8             | 13.3 | 13.6 |
| 4H                                                 | 2H            | 14.2             | 14.9 | 14.5 | 15.1 | 15.4               | 12.3           | 13.0 | 12.6             | 13.2 | 13.5 |
|                                                    | 3H            | 14.2             | 14.8 | 14.6 | 15.2 | 15.5               | 12.4           | 13.0 | 12.8             | 13.4 | 13.7 |
|                                                    | 4H            | 14.3             | 14.8 | 14.6 | 15.1 | 15.5               | 12.5           | 13.1 | 12.9             | 13.4 | 13.7 |
|                                                    | 6H            | 14.3             | 14.8 | 14.7 | 15.1 | 15.5               | 12.5           | 13.0 | 12.9             | 13.4 | 13.8 |
|                                                    | 8H            | 14.3             | 14.7 | 14.7 | 15.1 | 15.5               | 12.5           | 13.0 | 12.9             | 13.4 | 13.8 |
|                                                    | 12H           | 14.2             | 14.6 | 14.7 | 15.1 | 15.5               | 12.5           | 12.9 | 12.9             | 13.3 | 13.8 |
| 8H                                                 | 4H            | 14.2             | 14.6 | 14.6 | 15.0 | 15.4               | 12.4           | 12.9 | 12.9             | 13.3 | 13.7 |
|                                                    | 6H            | 14.2             | 14.6 | 14.7 | 15.0 | 15.5               | 12.5           | 12.9 | 13.0             | 13.3 | 13.8 |
|                                                    | 8H            | 14.2             | 14.5 | 14.7 | 15.0 | 15.5               | 12.5           | 12.8 | 13.0             | 13.3 | 13.8 |
|                                                    | 12H           | 14.2             | 14.5 | 14.7 | 15.0 | 15.5               | 12.5           | 12.8 | 13.0             | 13.3 | 13.8 |
| 12H                                                | 4H            | 14.1             | 14.5 | 14.6 | 14.9 | 15.4               | 12.4           | 12.8 | 12.8             | 13.2 | 13.7 |
|                                                    | 6H            | 14.1             | 14.5 | 14.6 | 14.9 | 15.4               | 12.5           | 12.8 | 13.0             | 13.3 | 13.7 |
|                                                    | 8H            | 14.2             | 14.4 | 14.7 | 14.9 | 15.4               | 12.5           | 12.8 | 13.0             | 13.3 | 13.8 |
| Variations with the observer position at spacings: |               |                  |      |      |      |                    |                |      |                  |      |      |
| S = 1.0H                                           | + 2.0 / - 1.5 |                  |      |      |      | + 0.9 / - 1.3      |                |      |                  |      |      |
| 1.5H                                               | + 3.2 / - 1.2 |                  |      |      |      | + 1.2 / - 0.9      |                |      |                  |      |      |
| 2.0H                                               | + 2.0 / - 1.3 |                  |      |      |      | + 1.6 / - 1.1      |                |      |                  |      |      |

CIE Pub.117, 1100 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 0.3$ )

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature:28DEG  
Operators:LGL  
Test Date:2021-08-10

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                          |                    |                  |
|--------------------------|--------------------|------------------|
| NAME: VM060-VF64RF01-15W | TYPE:indoor lights | WEIGHT:1         |
| SPEC.:3000K-CRI90-55D    | DIM.:              | SERIAL No.:      |
| MFR.:                    | SUR.:              | Shielding Angle: |

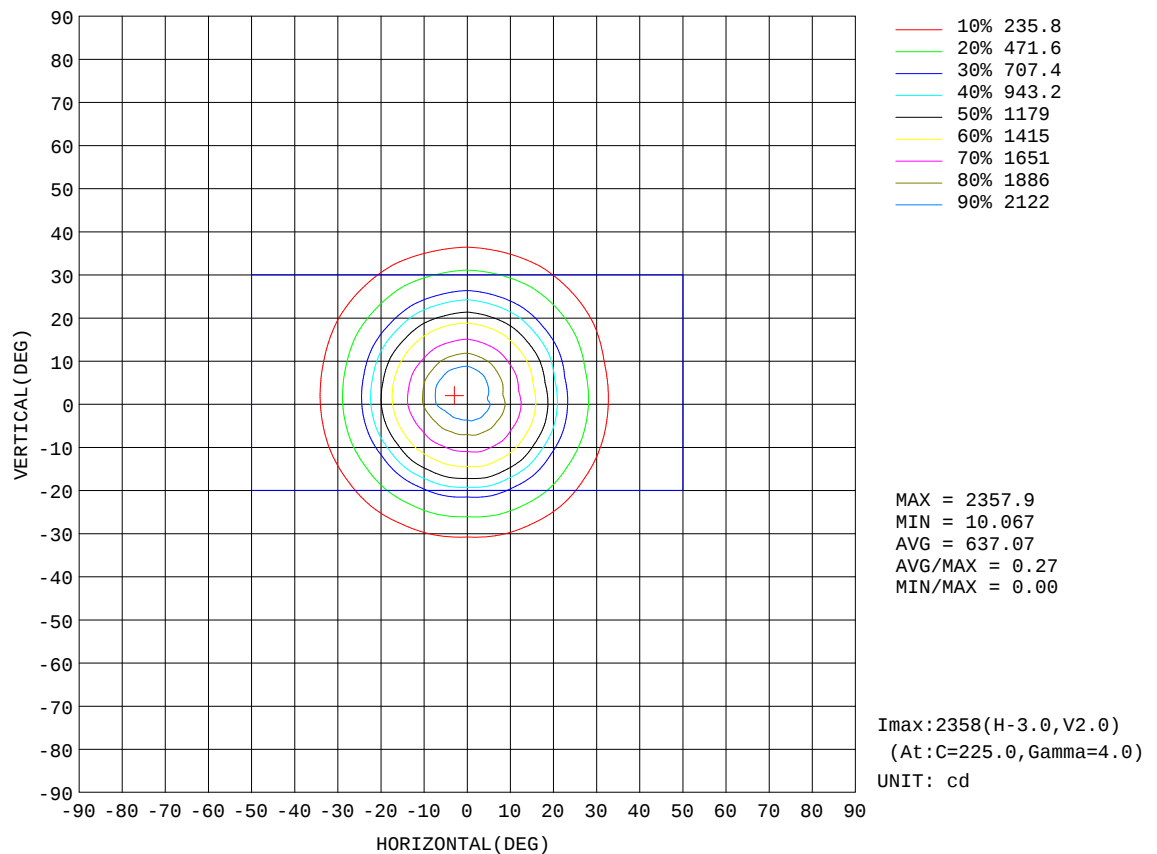
| REFLECTANCE                      |                                                 |     |     |     |     |     |     |     |     |        |
|----------------------------------|-------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| Ceiling                          | 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) x RCR = 5 |     |     |     |     |     |     |     |     |        |
| k = 0.60                         | 88                                              | 82  | 78  | 87  | 82  | 78  | 86  | 81  | 78  | 74     |
| 0.80                             | 95                                              | 90  | 86  | 94  | 89  | 86  | 93  | 88  | 85  | 82     |
| 1.00                             | 99                                              | 94  | 90  | 98  | 93  | 90  | 96  | 93  | 89  | 85     |
| 1.25                             | 103                                             | 98  | 95  | 102 | 97  | 94  | 100 | 96  | 93  | 89     |
| 1.50                             | 106                                             | 101 | 98  | 104 | 100 | 97  | 102 | 98  | 96  | 91     |
| 2.00                             | 108                                             | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 98  | 93     |
| 2.50                             | 110                                             | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 93     |
| 3.00                             | 111                                             | 108 | 105 | 109 | 106 | 104 | 106 | 103 | 101 | 94     |
| 4.00                             | 113                                             | 111 | 108 | 111 | 109 | 107 | 107 | 105 | 104 | 96     |
| 5.00                             | 115                                             | 112 | 111 | 112 | 110 | 109 | 108 | 107 | 105 | 97     |
| 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: MEDIUM  
Temperature:28DEG  
Operators:LGL  
Test Date:2021-08-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                          |                     |                  |
|--------------------------|---------------------|------------------|
| NAME: VM060-VF64RF01-15W | TYPE: indoor lights | WEIGHT: 1        |
| SPEC.: 3000K-CRI90-55D   | DIM.:               | SERIAL No.:      |
| MFR.:                    | SUR.:               | Shielding Angle: |

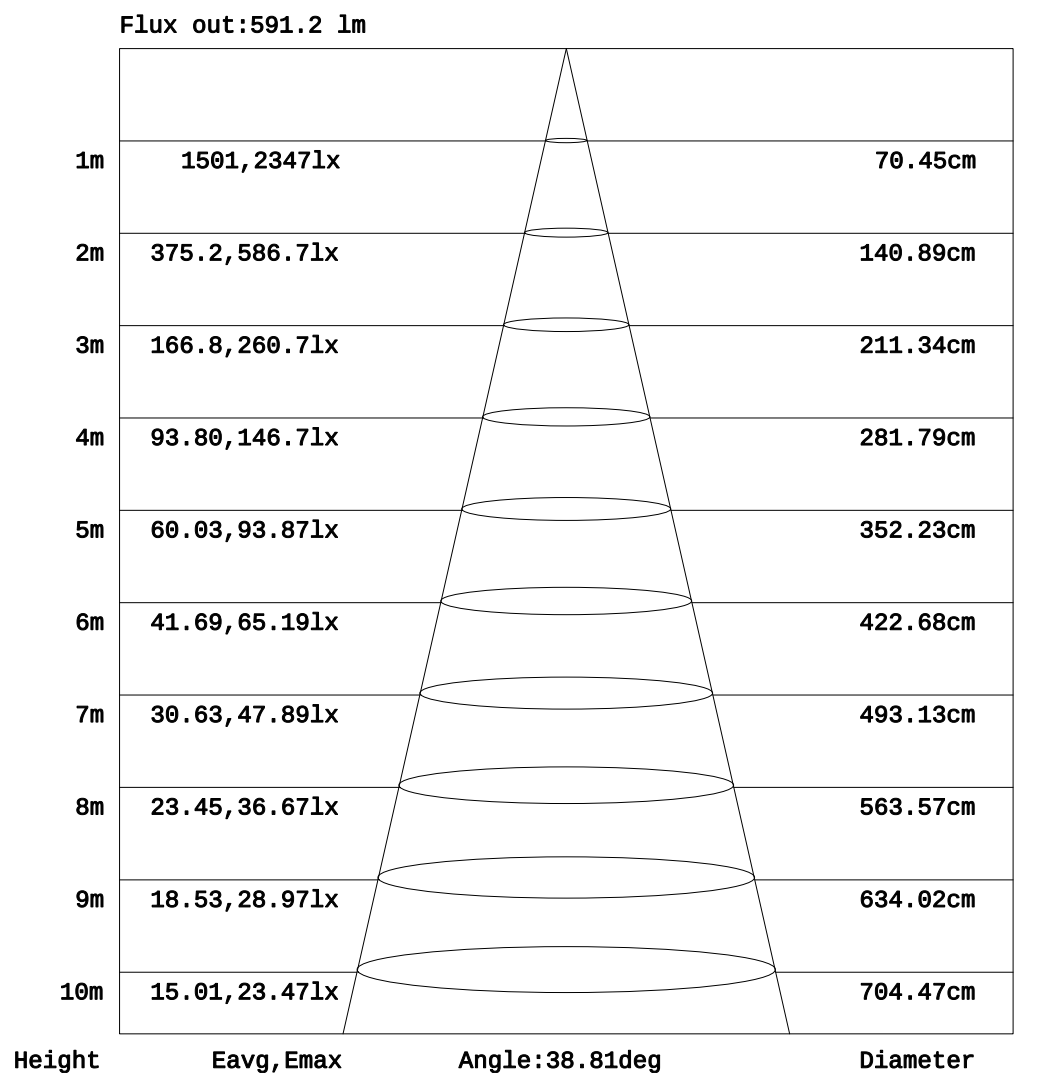


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 28DEG  
 Operators: LGL  
 Test Date: 2021-08-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
 Humidity: 65.0%  
 Test Distance: 5.190m [K=1.0000]  
 Remarks:

## AAI Figure

|                          |                    |                  |
|--------------------------|--------------------|------------------|
| NAME: VM060-VF64RF01-15W | TYPE:indoor lights | WEIGHT:1         |
| SPEC.:3000K-CRI90-55D    | DIM.:              | SERIAL No.:      |
| MFR.:                    | SUR.:              | Shielding Angle: |



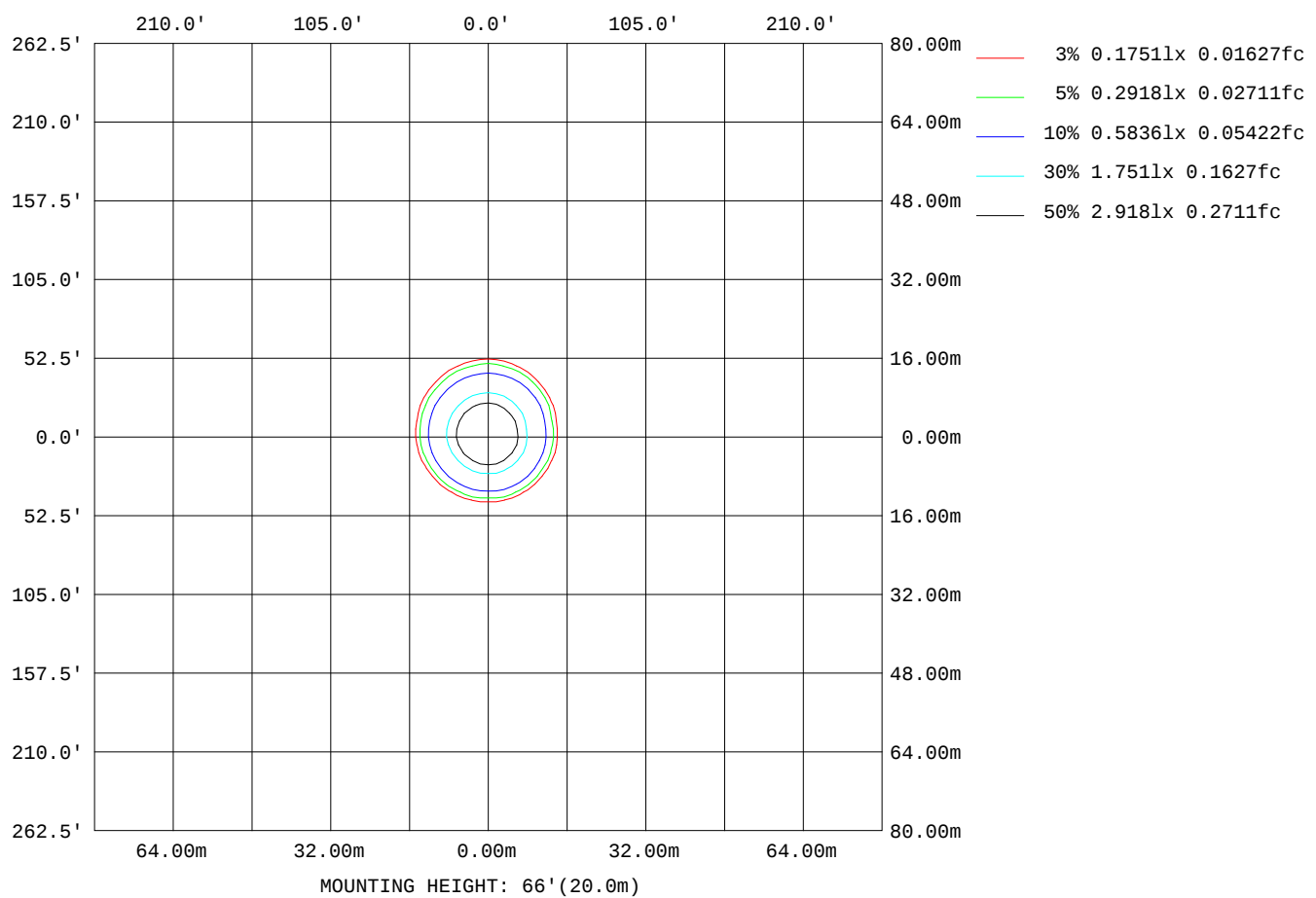
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:28DEG  
 Operators:LGL  
 Test Date:2021-08-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
 Humidity:65.0%  
 Test Distance:5.190m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

|                          |                     |                  |
|--------------------------|---------------------|------------------|
| NAME: VM060-VF64RF01-15W | TYPE: indoor lights | WEIGHT: 1        |
| SPEC.: 3000K-CRI90-55D   | DIM.:               | SERIAL No.:      |
| MFR.:                    | SUR.:               | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 28DEG  
Operators: LGL  
Test Date: 2021-08-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
Humidity: 65.0%  
Test Distance: 5.190m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                          |                    |                  |
|--------------------------|--------------------|------------------|
| NAME: VM060-VF64RF01-15W | TYPE:indoor lights | WEIGHT:1         |
| SPEC.:3000K-CRI90-55D    | DIM.:              | SERIAL No.:      |
| MFR.:                    | SUR.:              | Shielding Angle: |

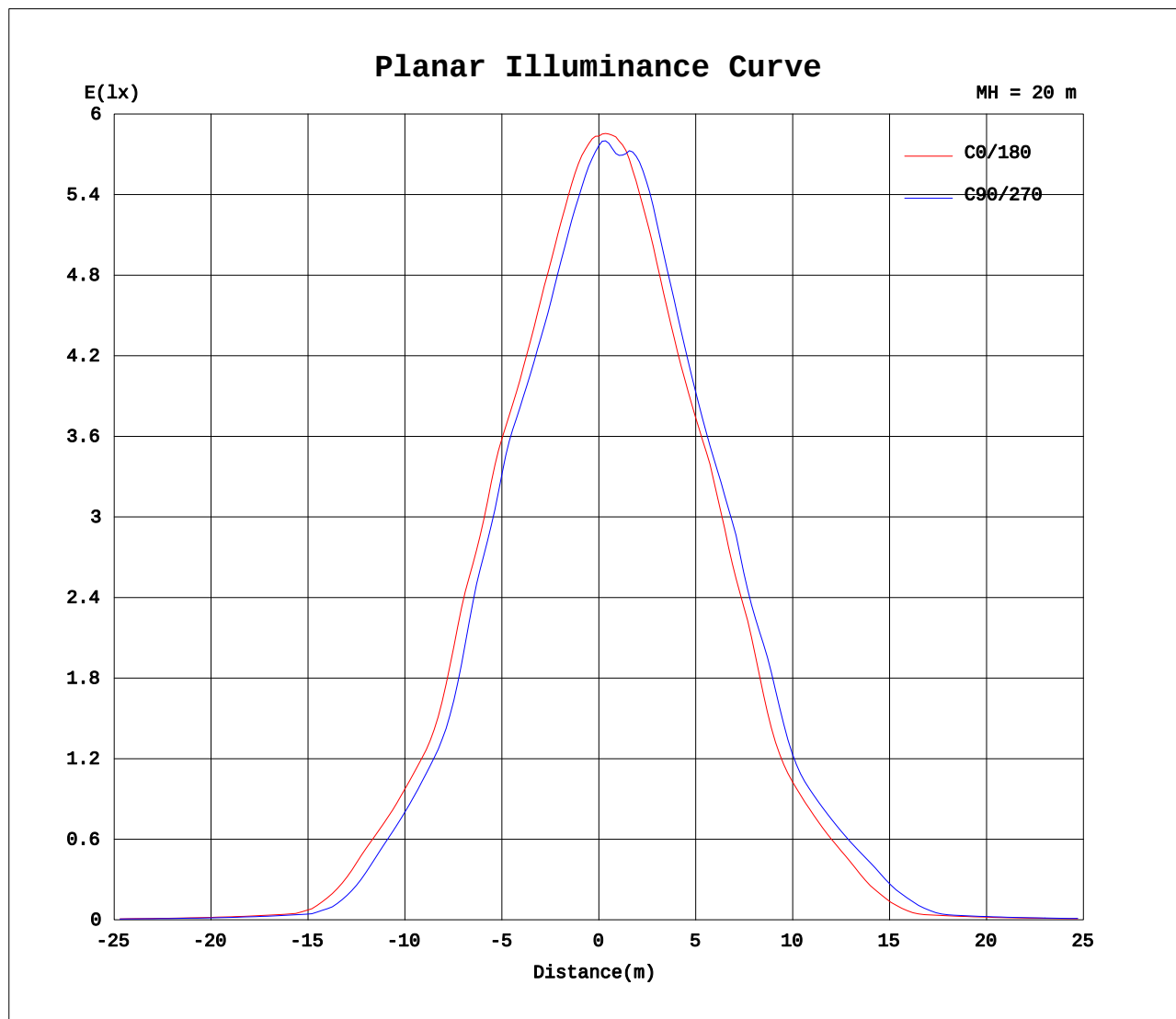
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 4441  |
| L_0~180(75)av  | 3306  |
| L_0~180(85)av  | 2440  |
| L_90~270(65)av | 4500  |
| L_90~270(75)av | 3348  |
| L_90~270(85)av | 2915  |
| L_45(65)av     | 4506  |
| L_45(75)av     | 3355  |
| L_45(85)av     | 2854  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:28DEG  
 Operators:LGL  
 Test Date:2021-08-10

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
 Humidity:65.0%  
 Test Distance:5.190m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 28DEG  
Operators: LGL  
Test Date: 2021-08-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
Humidity: 65.0%  
Test Distance: 5.190m [K=1.0000]  
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

|                          |                    |                  |
|--------------------------|--------------------|------------------|
| NAME: VM060-VF64RF01-15W | TYPE:indoor lights | WEIGHT:1         |
| SPEC.:3000K-CRI90-55D    | DIM.:              | SERIAL No.:      |
| MFR.:                    | 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                  | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 | 2311 |
| 5                  | 2121 | 2103 | 2073 | 2068 | 2048 | 2047 | 2033 | 2053 | 2069 | 2104 | 2128 | 2179 | 2235 | 2274 | 2316 | 2324 | 2331 | 2321 | 2318 |
| 10                 | 1786 | 1766 | 1738 | 1736 | 1718 | 1720 | 1706 | 1719 | 1730 | 1766 | 1795 | 1855 | 1887 | 1916 | 1971 | 1982 | 2016 | 2013 | 2032 |
| 15                 | 1488 | 1452 | 1419 | 1411 | 1383 | 1387 | 1360 | 1388 | 1409 | 1459 | 1508 | 1562 | 1568 | 1580 | 1608 | 1613 | 1639 | 1637 | 1659 |
| 20                 | 1042 | 1014 | 949  | 936  | 888  | 887  | 852  | 894  | 922  | 1007 | 1060 | 1145 | 1163 | 1183 | 1232 | 1243 | 1290 | 1285 | 1317 |
| 25                 | 612  | 595  | 571  | 566  | 546  | 542  | 524  | 540  | 547  | 573  | 593  | 633  | 657  | 686  | 746  | 767  | 818  | 820  | 852  |
| 30                 | 382  | 360  | 335  | 327  | 307  | 303  | 283  | 302  | 313  | 343  | 363  | 402  | 418  | 439  | 468  | 479  | 501  | 503  | 516  |
| 35                 | 119  | 110  | 86.8 | 79.3 | 66.0 | 63.2 | 61.4 | 67.9 | 77.9 | 102  | 121  | 162  | 184  | 210  | 252  | 269  | 297  | 298  | 311  |
| 40                 | 33.2 | 31.8 | 30.0 | 29.2 | 27.9 | 27.5 | 26.9 | 27.7 | 28.6 | 30.4 | 31.9 | 34.2 | 35.4 | 44.3 | 50.2 | 62.0 | 69.9 | 71.6 | 78.6 |
| 45                 | 22.0 | 21.1 | 20.1 | 19.6 | 18.8 | 18.5 | 18.2 | 18.8 | 19.3 | 20.5 | 21.4 | 22.8 | 23.4 | 24.3 | 25.7 | 26.4 | 27.5 | 27.7 | 28.9 |
| 50                 | 14.9 | 14.4 | 13.7 | 13.4 | 12.9 | 12.8 | 12.6 | 13.0 | 13.4 | 14.2 | 14.7 | 15.7 | 16.0 | 16.6 | 17.5 | 17.9 | 18.5 | 18.6 | 19.2 |
| 55                 | 10.2 | 9.92 | 9.50 | 9.34 | 9.01 | 8.94 | 8.81 | 9.10 | 9.40 | 9.95 | 10.3 | 11.0 | 11.2 | 11.6 | 12.2 | 12.4 | 12.7 | 12.8 | 13.1 |
| 60                 | 7.12 | 6.94 | 6.64 | 6.55 | 6.32 | 6.31 | 6.21 | 6.44 | 6.64 | 7.05 | 7.32 | 7.80 | 7.95 | 8.18 | 8.57 | 8.71 | 8.93 | 8.90 | 9.11 |
| 65                 | 4.97 | 4.84 | 4.64 | 4.57 | 4.43 | 4.41 | 4.36 | 4.52 | 4.68 | 4.97 | 5.19 | 5.54 | 5.63 | 5.80 | 6.09 | 6.17 | 6.32 | 6.26 | 6.39 |
| 70                 | 3.42 | 3.32 | 3.16 | 3.12 | 2.99 | 3.01 | 2.94 | 3.09 | 3.19 | 3.43 | 3.61 | 3.87 | 3.93 | 4.07 | 4.26 | 4.34 | 4.42 | 4.39 | 4.45 |
| 75                 | 2.21 | 2.14 | 2.02 | 1.99 | 1.90 | 1.91 | 1.87 | 1.98 | 2.05 | 2.24 | 2.35 | 2.57 | 2.63 | 2.71 | 2.90 | 2.93 | 3.02 | 2.97 | 3.03 |
| 80                 | 1.30 | 1.23 | 1.15 | 1.12 | 1.06 | 1.07 | 1.03 | 1.10 | 1.15 | 1.27 | 1.35 | 1.53 | 1.48 | 1.54 | 1.79 | 1.84 | 1.91 | 1.89 | 1.91 |
| 85                 | 0.51 | 0.57 | 0.51 | 0.49 | 0.45 | 0.44 | 0.42 | 0.46 | 0.50 | 0.56 | 0.60 | 0.70 | 0.70 | 0.61 | 0.91 | 0.97 | 1.04 | 1.04 | 1.02 |
| 90                 | 0.26 | 0.25 | 0.27 | 0.26 | 0.25 | 0.26 | 0.25 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.22 | 0.24 | 0.25 | 0.34 | 0.41 | 0.43 | 0.41 |
| 95                 | 0.26 | 0.27 | 0.26 | 0.28 | 0.27 | 0.29 | 0.27 | 0.29 | 0.28 | 0.29 | 0.27 | 0.28 | 0.25 | 0.23 | 0.24 | 0.23 | 0.24 | 0.23 | 0.25 |
| 100                | 0.28 | 0.31 | 0.29 | 0.32 | 0.31 | 0.32 | 0.31 | 0.33 | 0.31 | 0.32 | 0.30 | 0.31 | 0.28 | 0.26 | 0.27 | 0.25 | 0.27 | 0.25 | 0.28 |
| 105                | 0.35 | 0.38 | 0.38 | 0.41 | 0.41 | 0.44 | 0.44 | 0.44 | 0.41 | 0.41 | 0.37 | 0.37 | 0.34 | 0.31 | 0.32 | 0.30 | 0.31 | 0.29 | 0.32 |
| 110                | 0.56 | 0.61 | 0.64 | 0.68 | 0.70 | 0.72 | 0.75 | 0.73 | 0.70 | 0.65 | 0.60 | 0.55 | 0.51 | 0.47 | 0.46 | 0.43 | 0.43 | 0.42 | 0.43 |
| 115                | 0.97 | 1.03 | 1.11 | 1.14 | 1.20 | 1.22 | 1.28 | 1.23 | 1.20 | 1.11 | 1.04 | 0.94 | 0.87 | 0.81 | 0.77 | 0.74 | 0.73 | 0.71 | 0.71 |
| 120                | 1.70 | 1.77 | 1.91 | 1.95 | 2.07 | 2.06 | 2.18 | 2.08 | 2.05 | 1.88 | 1.79 | 1.61 | 1.51 | 1.44 | 1.34 | 1.32 | 1.26 | 1.25 | 1.23 |
| 125                | 2.83 | 2.94 | 3.11 | 3.18 | 3.31 | 3.34 | 3.46 | 3.36 | 3.28 | 3.07 | 2.94 | 2.69 | 2.53 | 2.44 | 2.29 | 2.26 | 2.16 | 2.16 | 2.11 |
| 130                | 4.31 | 4.46 | 4.67 | 4.76 | 4.92 | 4.95 | 5.13 | 4.99 | 4.89 | 4.62 | 4.45 | 4.17 | 3.96 | 3.80 | 3.65 | 3.57 | 3.49 | 3.45 | 3.42 |
| 135                | 6.18 | 6.34 | 6.59 | 6.68 | 6.87 | 6.92 | 7.14 | 6.97 | 6.86 | 6.53 | 6.34 | 6.01 | 5.74 | 5.56 | 5.36 | 5.27 | 5.17 | 5.12 | 5.10 |
| 140                | 8.25 | 8.43 | 8.65 | 8.77 | 8.97 | 9.04 | 9.26 | 9.12 | 9.00 | 8.68 | 8.47 | 8.13 | 7.81 | 7.61 | 7.39 | 7.30 | 7.18 | 7.14 | 7.12 |
| 145                | 10.3 | 10.5 | 10.7 | 10.7 | 10.9 | 11.0 | 11.3 | 11.1 | 11.0 | 10.8 | 10.6 | 10.3 | 9.91 | 9.71 | 9.51 | 9.42 | 9.31 | 9.28 | 9.27 |
| 150                | 12.1 | 12.1 | 12.3 | 12.4 | 12.6 | 12.7 | 12.9 | 12.8 | 12.7 | 12.5 | 12.4 | 12.1 | 11.8 | 11.6 | 11.4 | 11.4 | 11.3 | 11.3 | 11.3 |
| 155                | 13.3 | 13.3 | 13.4 | 13.5 | 13.6 | 13.8 | 14.0 | 14.0 | 13.9 | 13.8 | 13.7 | 13.6 | 13.2 | 13.1 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 |
| 160                | 13.7 | 13.6 | 13.7 | 13.9 | 14.0 | 14.2 | 14.4 | 14.5 | 14.5 | 14.4 | 14.3 | 14.3 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.9 |
| 165                | 13.6 | 13.5 | 13.5 | 13.6 | 13.9 | 14.1 | 14.3 | 14.4 | 14.4 | 14.3 | 14.4 | 14.4 | 13.9 | 14.0 | 14.0 | 14.0 | 14.0 | 14.1 | 14.2 |
| 170                | 13.3 | 13.2 | 13.2 | 13.2 | 13.4 | 13.5 | 13.7 | 13.8 | 13.9 | 14.0 | 14.2 | 14.3 | 13.7 | 13.8 | 13.8 | 13.8 | 13.8 | 13.9 | 14.0 |
| 175                | 13.3 | 13.3 | 13.2 | 13.4 | 13.5 | 13.4 | 13.5 | 13.6 | 13.8 | 14.1 | 14.2 | 14.2 | 13.6 | 13.6 | 13.8 | 13.8 | 13.8 | 13.7 | 13.8 |
| 180                | 13.7 | 13.7 | 13.7 | 13.8 | 13.7 | 13.7 | 13.9 | 13.9 | 14.0 | 14.2 | 14.2 | 14.2 | 13.7 | 13.6 | 13.7 | 13.8 | 13.8 | 13.7 | 13.9 |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature:28DEG  
Operators:LGL  
Test Date:2021-08-10

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

|                          |                    |                  |
|--------------------------|--------------------|------------------|
| NAME: VM060-VF64RF01-15W | TYPE:indoor lights | WEIGHT:1         |
| SPEC.:3000K-CRI90-55D    | DIM.:              | SERIAL No.:      |
| MFR.:                    | SUR.:              | Shielding Angle: |

Table--2

UNIT: cd

| C( DEG)<br>γ (DEG) | 285  | 300  | 315  | 330   | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|-------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 2311 | 2311 | 2311 | 2311  | 2311 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 2301 | 2284 | 2235 | 2193  | 2136 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 1989 | 1963 | 1907 | 1871  | 1817 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 1629 | 1617 | 1580 | 1565  | 1518 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 1267 | 1244 | 1186 | 1158  | 1079 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 806  | 774  | 709  | 678   | 635  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 507  | 503  | 478  | 453   | 407  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 295  | 281  | 235  | 198   | 137  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 67.9 | 56.9 | 48.0 | 37.8  | 34.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 28.6 | 28.3 | 26.5 | 25.0  | 23.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 19.1 | 18.9 | 17.7 | 16.8  | 15.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 13.0 | 12.8 | 12.1 | 11.5  | 10.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 8.99 | 8.88 | 8.38 | 7.96  | 7.45 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 6.27 | 6.19 | 5.82 | 5.55  | 5.20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 4.36 | 4.27 | 4.03 | 3.82  | 3.58 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 2.91 | 2.87 | 2.66 | 2.54  | 2.33 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 1.78 | 1.72 | 1.62 | 1.53  | 1.38 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 0.87 | 0.81 | 0.80 | 0.76  | 0.65 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 0.33 | 0.29 | 0.29 | 0.24  | 0.24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.23 | 0.25 | 0.24 | 0.25  | 0.24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.26 | 0.28 | 0.27 | 0.29  | 0.28 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.30 | 0.32 | 0.31 | 0.34  | 0.35 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.42 | 0.45 | 0.47 | 0.51  | 0.56 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.72 | 0.76 | 0.80 | 0.86  | 0.95 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 1.26 | 1.31 | 1.41 | 1.50  | 1.66 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 2.18 | 2.24 | 2.41 | 2.53  | 2.77 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 3.48 | 3.59 | 3.78 | 3.98  | 4.25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 5.18 | 5.33 | 5.56 | 5.79  | 6.14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 7.22 | 7.38 | 7.64 | 7.89  | 8.26 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 9.36 | 9.53 | 9.76 | 10.01 | 10.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 11.3 | 11.5 | 11.7 | 11.9  | 12.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 12.9 | 13.0 | 13.1 | 13.3  | 13.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 13.9 | 14.0 | 14.0 | 14.0  | 14.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 14.2 | 14.2 | 14.1 | 14.1  | 14.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 14.0 | 14.0 | 13.9 | 13.9  | 13.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 13.9 | 14.0 | 14.0 | 13.9  | 13.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 13.9 | 14.1 | 14.2 | 14.2  | 14.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature:28DEG  
Operators:LGL  
Test Date:2021-08-10

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks: