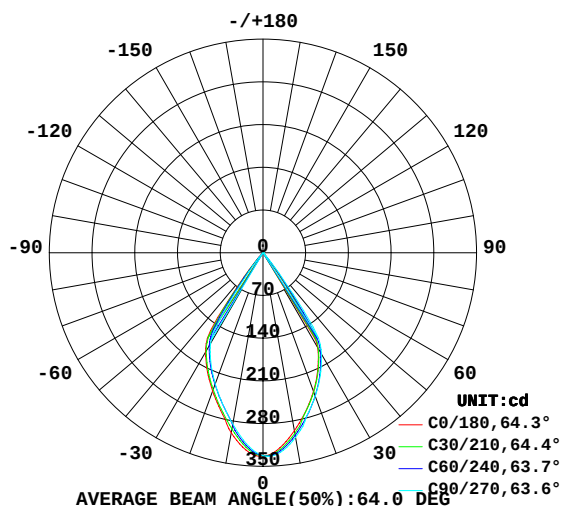


# LUMINAIRE PHOTOMETRIC TEST REPORT

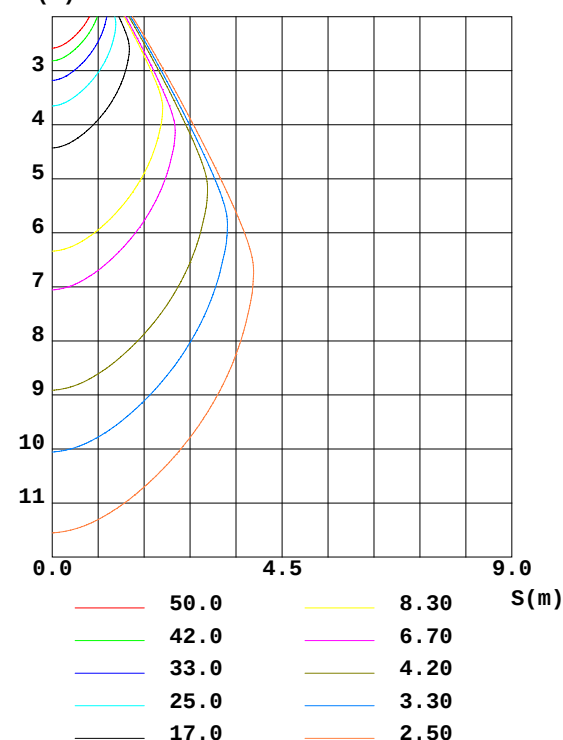
|                                       |        |                   |
|---------------------------------------|--------|-------------------|
| NAME: CL-Pendant-Glory-uls 3000k-Ra90 | TYPE:  | WEIGHT:           |
| DIM.:                                 | SPEC.: | SERIAL No.:       |
| MFR.:                                 | SUR.:  | PROTECTION ANGLE: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 25.66 lm/W |        |                    |           |
|------------------|---------|----------------------------------|--------|--------------------|-----------|
| MODEL            |         | Imax(cd)                         | 333.9  | S/MH(C0/180)       | 0.89      |
| NOMINAL POWER(W) | 10      | LOR(%)                           | 100.0  | S/MH(C90/270)      | 0.93      |
| RATED VOLTAGE(V) | 24      | TOTAL FLUX(lm)                   | 264.81 | η UP, DN(C0-180)   | 0.1, 51.9 |
| NOMINAL FLUX(lm) | 264.813 | CIE CLASS                        | DIRECT | η UP, DN(C180-360) | 0.1, 47.8 |
| LAMPS INSIDE     | 1       | η up(%)                          | 0.3    | CIBSE SHR NOM      | 0.75      |
| TEST VOLTAGE(V)  | 24      | η down(%)                        | 99.7   | CIBSE SHR MAX      | 0.95      |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: tang  
 Test Date: 2022-04-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
 Humidity: 65.0%  
 Test Distance: 7.100m [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       | 296.2                 | 302.2  | 307.0  | 306.1  | 299.5  | 291.0  | 285.3  | 286.8  | 0- 10    | 29.88       | 29.88        | 11.3,11.3  |
| 20       | 241.9                 | 246.5  | 250.3  | 249.3  | 241.3  | 234.3  | 228.9  | 230.9  | 10- 20   | 75.10       | 105.0        | 39.6,39.6  |
| 30       | 179.2                 | 184.7  | 191.7  | 191.1  | 188.3  | 181.7  | 171.8  | 169.8  | 20- 30   | 97.34       | 202.3        | 76.4,76.4  |
| 40       | 8.017                 | 11.56  | 20.35  | 29.07  | 24.87  | 18.97  | 11.40  | 6.928  | 30- 40   | 59.34       | 261.7        | 98.8,98.8  |
| 50       | 0.2271                | 0.2361 | 0.2684 | 0.3141 | 0.2447 | 0.2124 | 0.1939 | 0.1486 | 40- 50   | 2.350       | 264.0        | 99.7,99.7  |
| 60       | 0.0002                | 0.0024 | 0      | 0.0072 | 0      | 0.0000 | 0      | 0      | 50- 60   | 0.0670      | 264.1        | 99.7,99.7  |
| 70       | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 60- 70   | 0.0002      | 264.1        | 99.7,99.7  |
| 80       | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 70- 80   | 0           | 264.1        | 99.7,99.7  |
| 90       | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 80- 90   | 0           | 264.1        | 99.7,99.7  |
| 100      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 90-100   | 0           | 264.1        | 99.7,99.7  |
| 110      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 100-110  | 0           | 264.1        | 99.7,99.7  |
| 120      | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 110-120  | 0           | 264.1        | 99.7,99.7  |
| 130      | 0                     | 0.0001 | 0      | 0      | 0      | 0      | 0      | 0.0072 | 120-130  | 0.0001      | 264.1        | 99.7,99.7  |
| 140      | 0.1649                | 0.1629 | 0.1607 | 0.1227 | 0.1655 | 0.1581 | 0.1648 | 0.1936 | 130-140  | 0.0481      | 264.1        | 99.7,99.7  |
| 150      | 0.3868                | 0.3893 | 0.3871 | 0.3492 | 0.3919 | 0.3894 | 0.3915 | 0.4201 | 140-150  | 0.1699      | 264.3        | 99.8,99.8  |
| 160      | 0.6132                | 0.6158 | 0.6090 | 0.5687 | 0.6138 | 0.6112 | 0.6227 | 0.6536 | 150-160  | 0.2251      | 264.5        | 99.9,99.9  |
| 170      | 0.8209                | 0.8281 | 0.8401 | 0.8046 | 0.8449 | 0.8353 | 0.8210 | 0.8377 | 160-170  | 0.2044      | 264.7        | 100,100    |
| 180      | 0.8872                | 0.8872 | 0.8825 | 0.8848 | 0.8919 | 0.8896 | 0.8825 | 0.8872 | 170-180  | 0.0818      | 264.8        | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT: lm    |              |            |

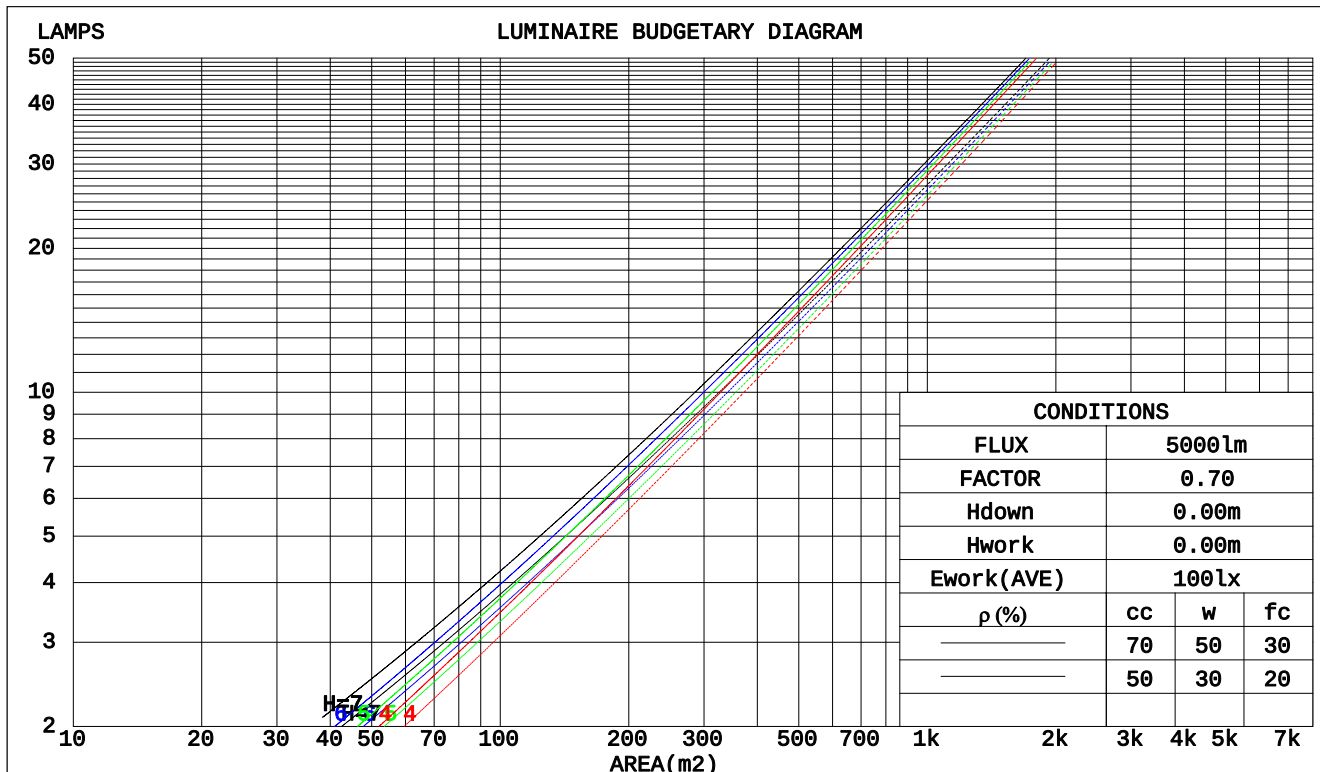
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:tang  
Test Date:2022-04-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                |        |                   |
|--------------------------------|--------|-------------------|
| NAME: pendant-glory-3000k-Ra90 | TYPE:  | WEIGHT:           |
| DIM.:                          | SPEC.: | SERIAL No.:       |
| MFR.: VD                       | SUR.:  | PROTECTION 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         | 1.19                  | 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 | .00 |
| 1.0         | 1.11                  | 1.09 | 1.07 | 1.09                            | 1.07 | 1.05 | 1.05 | 1.03 | 1.02 | 1.01 | .00  | .99  | .98  | .97  | .96  | .94 |
| 2.0         | 1.04                  | .00  | .97  | 1.02                            | .99  | .96  | .99  | .96  | .94  | .96  | .94  | .92  | .93  | .91  | .90  | .88 |
| 3.0         | .97                   | .93  | .89  | .96                             | .92  | .88  | .93  | .90  | .87  | .91  | .88  | .85  | .89  | .86  | .84  | .82 |
| 4.0         | .91                   | .86  | .82  | .90                             | .85  | .81  | .88  | .84  | .80  | .86  | .82  | .80  | .84  | .81  | .79  | .77 |
| 5.0         | .86                   | .80  | .76  | .85                             | .80  | .76  | .83  | .79  | .75  | .81  | .77  | .74  | .80  | .76  | .74  | .72 |
| 6.0         | .81                   | .75  | .71  | .80                             | .75  | .71  | .78  | .74  | .70  | .77  | .73  | .70  | .76  | .72  | .69  | .68 |
| 7.0         | .76                   | .70  | .66  | .75                             | .70  | .66  | .74  | .69  | .66  | .73  | .69  | .65  | .72  | .68  | .65  | .64 |
| 8.0         | .72                   | .66  | .62  | .71                             | .66  | .62  | .70  | .65  | .62  | .69  | .65  | .62  | .68  | .64  | .61  | .60 |
| 9.0         | .68                   | .62  | .59  | .68                             | .62  | .58  | .67  | .62  | .58  | .66  | .61  | .58  | .65  | .61  | .58  | .57 |
| 10.0        | .64                   | .59  | .55  | .64                             | .59  | .55  | .63  | .58  | .55  | .62  | .58  | .55  | .62  | .58  | .55  | .53 |



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: tang  
Test Date: 2022-04-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

WEC AND CCEC

|                                |        |                   |
|--------------------------------|--------|-------------------|
| NAME: pendant-glory-3000k-Ra90 | TYPE:  | WEIGHT:           |
| DIM.:                          | SPEC.: | SERIAL No.:       |
| MFR.: VD                       | SUR.:  | PROTECTION 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 |      |      |      |      |      | Wall Exitance Coeffcients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0         |                       |      |      |      |      |      |                                |      |      |      |      |      |      |      |      |   |  |
| 1.0         | .170                  | .097 | .031 | .164 | .093 | .030 | .151                           | .087 | .028 | .139 | .080 | .026 | .128 | .074 | .024 |   |  |
| 2.0         | .163                  | .089 | .027 | .157 | .086 | .027 | .146                           | .081 | .025 | .136 | .077 | .024 | .127 | .072 | .023 |   |  |
| 3.0         | .155                  | .082 | .025 | .150 | .080 | .024 | .141                           | .076 | .023 | .133 | .073 | .022 | .125 | .069 | .021 |   |  |
| 4.0         | .148                  | .077 | .023 | .144 | .075 | .022 | .136                           | .072 | .022 | .129 | .069 | .021 | .122 | .066 | .020 |   |  |
| 5.0         | .141                  | .072 | .021 | .138 | .071 | .021 | .131                           | .068 | .020 | .125 | .066 | .020 | .119 | .063 | .019 |   |  |
| 6.0         | .135                  | .068 | .019 | .132 | .067 | .019 | .126                           | .065 | .019 | .120 | .063 | .018 | .115 | .061 | .018 |   |  |
| 7.0         | .130                  | .064 | .018 | .127 | .063 | .018 | .122                           | .061 | .018 | .117 | .060 | .017 | .112 | .058 | .017 |   |  |
| 8.0         | .124                  | .061 | .017 | .122 | .060 | .017 | .117                           | .059 | .017 | .113 | .057 | .016 | .109 | .056 | .016 |   |  |
| 9.0         | .120                  | .058 | .016 | .117 | .057 | .016 | .113                           | .056 | .016 | .109 | .055 | .016 | .105 | .053 | .015 |   |  |
| 10.0        | .115                  | .055 | .015 | .113 | .055 | .015 | .109                           | .053 | .015 | .106 | .052 | .015 | .102 | .051 | .015 |   |  |

| $\rho_{CC}$ | 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 |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .193                  | .193 | .193 | .165 | .165 | .165 | .112                                       | .112 | .112 | .065 | .065 | .065 | .021 | .021 | .021 |   |
| 1.0         | .173                  | .159 | .148 | .148 | .137 | .127 | .101                                       | .094 | .088 | .058 | .054 | .051 | .019 | .018 | .017 |   |
| 2.0         | .157                  | .135 | .116 | .135 | .116 | .100 | .092                                       | .080 | .070 | .053 | .047 | .041 | .017 | .015 | .013 |   |
| 3.0         | .144                  | .116 | .093 | .124 | .100 | .080 | .085                                       | .069 | .056 | .049 | .040 | .033 | .016 | .013 | .011 |   |
| 4.0         | .134                  | .101 | .076 | .115 | .087 | .066 | .079                                       | .061 | .046 | .046 | .036 | .027 | .015 | .012 | .009 |   |
| 5.0         | .125                  | .089 | .063 | .108 | .077 | .054 | .074                                       | .054 | .038 | .043 | .032 | .023 | .014 | .010 | .008 |   |
| 6.0         | .118                  | .080 | .053 | .101 | .069 | .046 | .070                                       | .048 | .032 | .041 | .028 | .019 | .013 | .009 | .006 |   |
| 7.0         | .111                  | .072 | .045 | .096 | .063 | .039 | .066                                       | .044 | .028 | .038 | .026 | .016 | .012 | .008 | .005 |   |
| 8.0         | .106                  | .066 | .039 | .091 | .057 | .034 | .063                                       | .040 | .024 | .037 | .024 | .014 | .012 | .008 | .005 |   |
| 9.0         | .101                  | .061 | .034 | .087 | .053 | .029 | .060                                       | .037 | .021 | .035 | .022 | .012 | .011 | .007 | .004 |   |
| 10.0        | .096                  | .056 | .030 | .083 | .049 | .026 | .058                                       | .035 | .019 | .034 | .020 | .011 | .011 | .007 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:tang  
Test Date:2022-04-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

### Uncorrected UGR Table

|                                                    |                |     |     |     |     |                  |     |     |     |     |                   |     |     |     |     |
|----------------------------------------------------|----------------|-----|-----|-----|-----|------------------|-----|-----|-----|-----|-------------------|-----|-----|-----|-----|
| NAME: pendant-glory-3000k-Ra90                     |                |     |     |     |     | TYPE:            |     |     |     |     | WEIGHT:           |     |     |     |     |
| DIM.:                                              |                |     |     |     |     | SPEC.:           |     |     |     |     | SERIAL No.:       |     |     |     |     |
| MFR.: VD                                           |                |     |     |     |     | SUR.:            |     |     |     |     | PROTECTION ANGLE: |     |     |     |     |
| ceiling/cavity                                     | 0.7            | 0.7 | 0.5 | 0.5 | 0.3 | 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 | 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 | 0.2               | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions                                    |                |     |     |     |     | Viewed crosswise |     |     |     |     | Viewed endwise    |     |     |     |     |
| x = 2H y = 2H                                      | 3.3            | 4.2 | 3.5 | 4.4 | 4.5 | 4.8              | 5.7 | 5.1 | 5.9 | 6.1 | 4.8               | 5.7 | 5.1 | 5.9 | 6.1 |
| 3H                                                 | 3.1            | 3.9 | 3.4 | 4.1 | 4.4 | 4.7              | 5.5 | 4.9 | 5.7 | 5.9 | 4.7               | 5.5 | 4.9 | 5.7 | 5.9 |
| 4H                                                 | 3.0            | 3.8 | 3.3 | 4.0 | 4.3 | 4.6              | 5.4 | 4.9 | 5.6 | 5.8 | 4.6               | 5.4 | 4.9 | 5.6 | 5.8 |
| 6H                                                 | 2.9            | 3.7 | 3.2 | 3.9 | 4.2 | 4.5              | 5.2 | 4.8 | 5.5 | 5.7 | 4.5               | 5.2 | 4.8 | 5.5 | 5.7 |
| 8H                                                 | 2.9            | 3.6 | 3.2 | 3.9 | 4.1 | 4.4              | 5.1 | 4.8 | 5.4 | 5.7 | 4.4               | 5.1 | 4.8 | 5.4 | 5.7 |
| 12H                                                | 2.8            | 3.5 | 3.2 | 3.8 | 4.1 | 4.4              | 5.1 | 4.7 | 5.3 | 5.6 | 4.4               | 5.1 | 4.7 | 5.3 | 5.6 |
| 4H 2H                                              | 3.0            | 3.8 | 3.3 | 4.0 | 4.3 | 4.6              | 5.4 | 4.9 | 5.6 | 5.8 | 4.6               | 5.4 | 4.9 | 5.6 | 5.8 |
| 3H                                                 | 2.8            | 3.5 | 3.2 | 3.8 | 4.1 | 4.4              | 5.1 | 4.7 | 5.3 | 5.6 | 4.4               | 5.1 | 4.7 | 5.3 | 5.6 |
| 4H                                                 | 2.7            | 3.4 | 3.1 | 3.7 | 4.0 | 4.3              | 4.9 | 4.7 | 5.2 | 5.5 | 4.3               | 4.9 | 4.7 | 5.2 | 5.5 |
| 6H                                                 | 2.7            | 3.2 | 3.0 | 3.5 | 3.9 | 4.2              | 4.7 | 4.6 | 5.1 | 5.4 | 4.2               | 4.7 | 4.6 | 5.1 | 5.4 |
| 8H                                                 | 2.6            | 3.1 | 3.0 | 3.5 | 3.8 | 4.2              | 4.7 | 4.6 | 5.0 | 5.4 | 4.2               | 4.7 | 4.6 | 5.0 | 5.4 |
| 12H                                                | 2.5            | 3.0 | 3.0 | 3.4 | 3.8 | 4.1              | 4.6 | 4.5 | 4.9 | 5.3 | 4.1               | 4.6 | 4.5 | 4.9 | 5.3 |
| 8H 4H                                              | 2.6            | 3.1 | 3.0 | 3.5 | 3.8 | 4.2              | 4.7 | 4.6 | 5.0 | 5.4 | 4.2               | 4.7 | 4.6 | 5.0 | 5.4 |
| 6H                                                 | 2.5            | 2.9 | 2.9 | 3.3 | 3.7 | 4.0              | 4.5 | 4.5 | 4.9 | 5.3 | 4.0               | 4.5 | 4.5 | 4.9 | 5.3 |
| 8H                                                 | 2.4            | 2.8 | 2.9 | 3.2 | 3.7 | 4.0              | 4.4 | 4.4 | 4.8 | 5.2 | 4.0               | 4.4 | 4.4 | 4.8 | 5.2 |
| 12H                                                | 2.4            | 2.7 | 2.9 | 3.1 | 3.6 | 3.9              | 4.2 | 4.4 | 4.7 | 5.2 | 3.9               | 4.2 | 4.4 | 4.7 | 5.2 |
| 12H 4H                                             | 2.5            | 3.0 | 3.0 | 3.4 | 3.8 | 4.1              | 4.6 | 4.5 | 4.9 | 5.3 | 4.1               | 4.6 | 4.5 | 4.9 | 5.3 |
| 6H                                                 | 2.4            | 2.8 | 2.9 | 3.2 | 3.7 | 4.0              | 4.4 | 4.4 | 4.8 | 5.2 | 4.0               | 4.4 | 4.4 | 4.8 | 5.2 |
| 8H                                                 | 2.4            | 2.7 | 2.9 | 3.1 | 3.6 | 3.9              | 4.2 | 4.4 | 4.7 | 5.2 | 3.9               | 4.2 | 4.4 | 4.7 | 5.2 |
| Variations with the observer position at spacings: |                |     |     |     |     |                  |     |     |     |     |                   |     |     |     |     |
| S = 1.0H                                           | + 5.2 / -52.0  |     |     |     |     | + 5.7 / -49.3    |     |     |     |     |                   |     |     |     |     |
| 1.5H                                               | + 8.0 / -34.9  |     |     |     |     | + 8.5 / -31.7    |     |     |     |     |                   |     |     |     |     |
| 2.0H                                               | + 7.5 / - 1.\$ |     |     |     |     | + 8.6 / - 1.\$   |     |     |     |     |                   |     |     |     |     |

CIE Pub.117 Corrected 264.8 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.6)

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:tang  
Test Date:2022-04-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                |        |                   |
|--------------------------------|--------|-------------------|
| NAME: pendant-glory-3000k-Ra90 | TYPE:  | WEIGHT:           |
| DIM.:                          | SPEC.: | SERIAL No.:       |
| MFR.: VD                       | SUR.:  | PROTECTION ANGLE: |

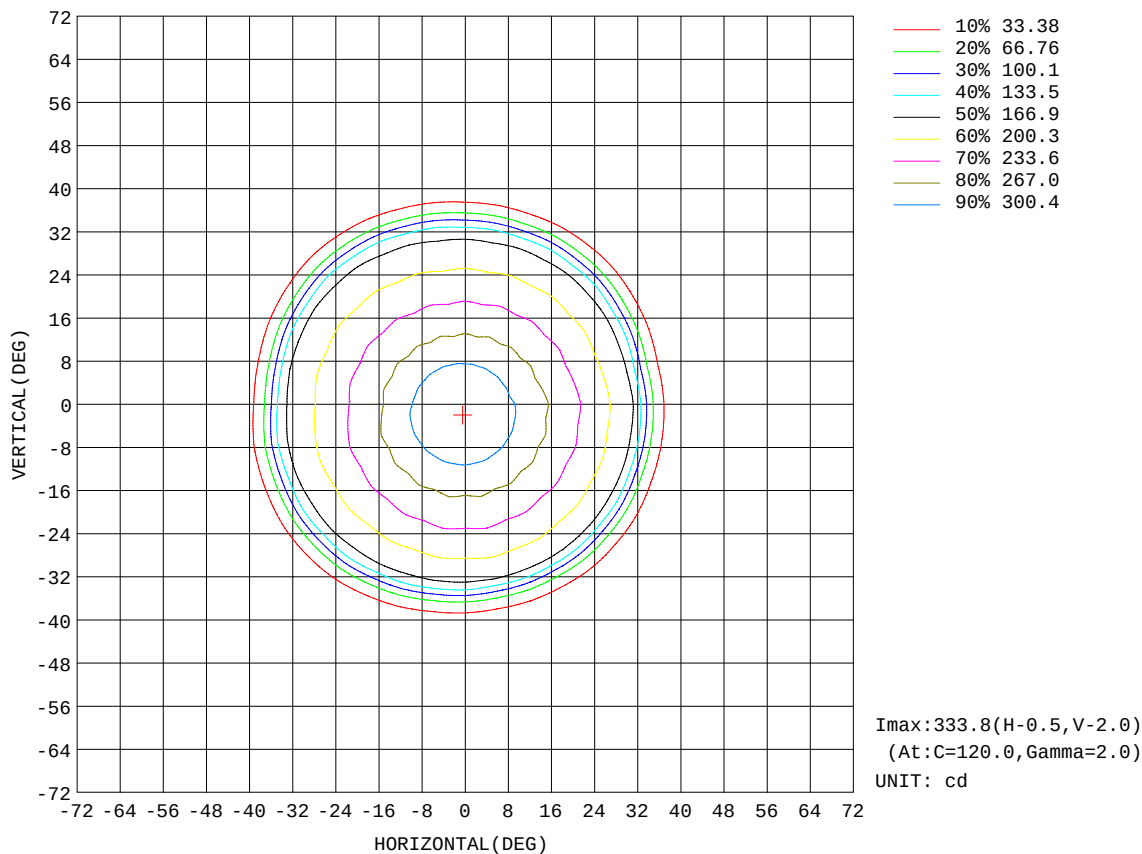
| REFLECTANCE                      |                                                     |     |     |           |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----|-----------|-----|-----|-----|---------------|-----|--------|
| 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                                                  | 85  | 82  | 90        | 85  | 82  | 90  | 85            | 82  | 78     |
| 0.80                             | 98                                                  | 93  | 89  | 97        | 92  | 89  | 96  | 92            | 89  | 85     |
| 1.00                             | 102                                                 | 97  | 93  | 101       | 96  | 93  | 99  | 96            | 93  | 89     |
| 1.25                             | 105                                                 | 100 | 97  | 104       | 100 | 97  | 102 | 99            | 96  | 92     |
| 1.50                             | 108                                                 | 103 | 100 | 106       | 103 | 100 | 104 | 101           | 99  | 95     |
| 2.00                             | 110                                                 | 106 | 103 | 108       | 105 | 102 | 106 | 103           | 101 | 96     |
| 2.50                             | 111                                                 | 108 | 105 | 110       | 107 | 104 | 107 | 104           | 102 | 96     |
| 3.00                             | 113                                                 | 110 | 107 | 111       | 108 | 106 | 107 | 105           | 104 | 97     |
| 4.00                             | 114                                                 | 112 | 110 | 112       | 110 | 109 | 109 | 107           | 106 | 99     |
| 5.00                             | 116                                                 | 114 | 112 | 113       | 112 | 110 | 110 | 108           | 107 | 100    |
| ROOM INDEX                       | UF(total)                                           |     |     |           |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     |     | Suspended |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: tang  
Test Date: 2022-04-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                |        |                   |
|--------------------------------|--------|-------------------|
| NAME: pendant-glory-3000k-Ra90 | TYPE:  | WEIGHT:           |
| DIM.:                          | SPEC.: | SERIAL No.:       |
| MFR.: VD                       | SUR.:  | PROTECTION ANGLE: |

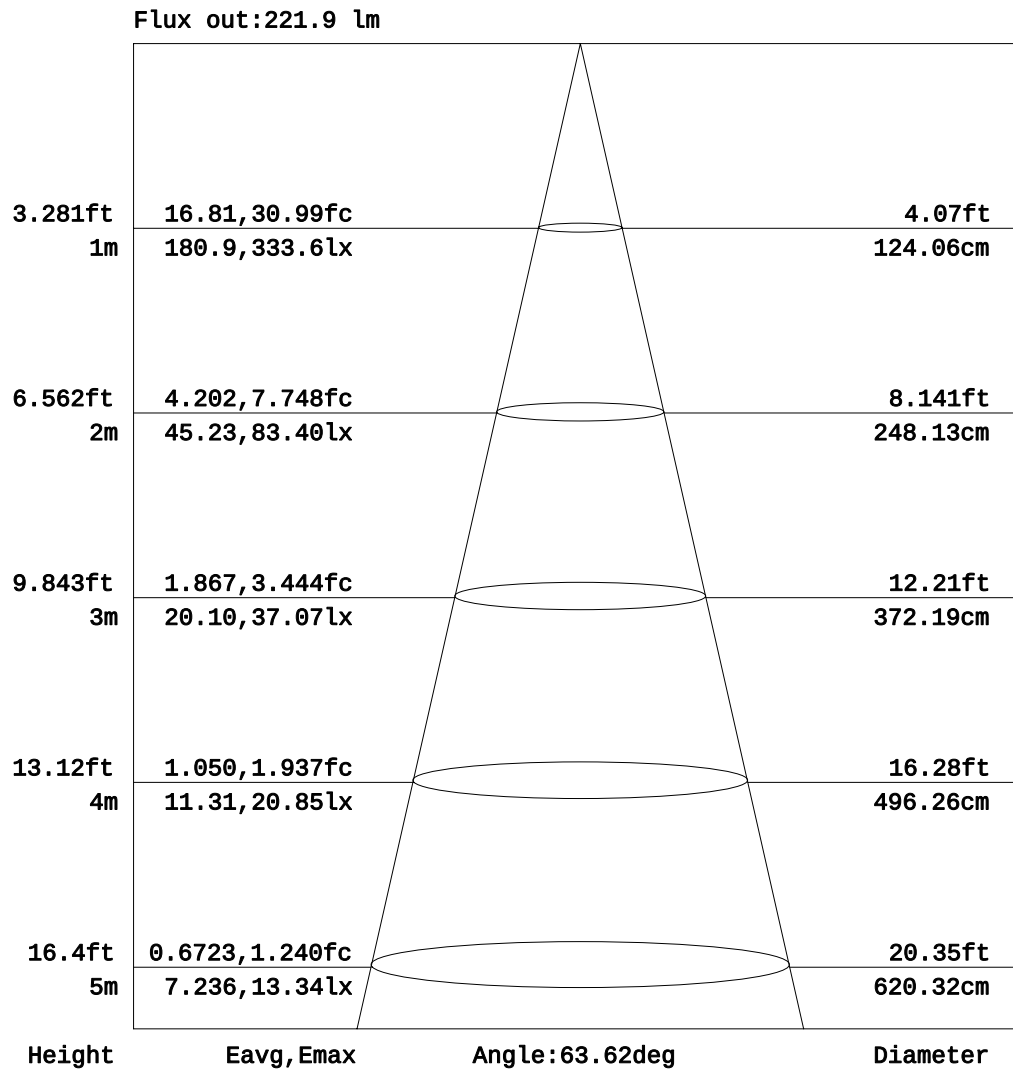


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: tang  
Test Date: 2022-04-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

### AAI Figure

|                                |        |                   |
|--------------------------------|--------|-------------------|
| NAME: pendant-glory-3000k-Ra90 | TYPE:  | WEIGHT:           |
| DIM.:                          | SPEC.: | SERIAL No.:       |
| MFR.: VD                       | SUR.:  | PROTECTION ANGLE: |



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

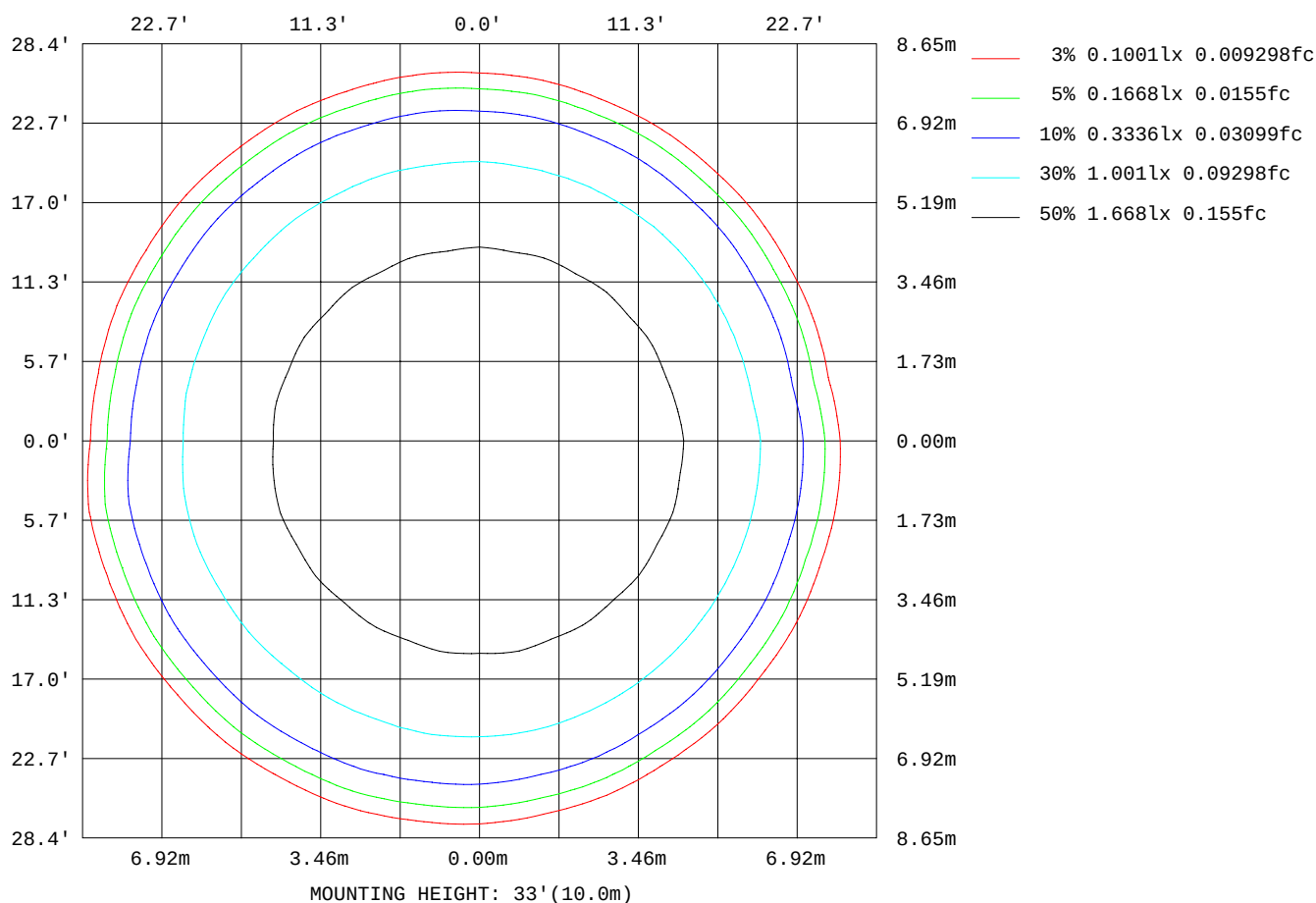
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: tang  
Test Date: 2022-04-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:



### ISOLUX DIAGRAM

|                                |        |                   |
|--------------------------------|--------|-------------------|
| NAME: pendant-glory-3000k-Ra90 | TYPE:  | WEIGHT:           |
| DIM.:                          | SPEC.: | SERIAL No.:       |
| MFR.: VD                       | SUR.:  | PROTECTION ANGLE: |



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: tang  
Test Date: 2022-04-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

### Average Luminance Table(CIBSE)

|                                |        |                   |
|--------------------------------|--------|-------------------|
| NAME: pendant-glory-3000k-Ra90 | TYPE:  | WEIGHT:           |
| DIM.:                          | SPEC.: | SERIAL No.:       |
| MFR.: VD                       | SUR.:  | PROTECTION ANGLE: |

| Parameter description for average Luminance            | Symbol | Value         | Unit     |
|--------------------------------------------------------|--------|---------------|----------|
| Luminance in Azimuth Plane                             | Bc     | refer Table 2 | cd/sq.m. |
| Intensity at angle Gamma in given azimuth plane        | I      | from data     | cd/klm   |
| Number of lamps                                        | N      | 1             |          |
| Output of each lamp(initial lumens as specified)       | F      | 264.813       | lm       |
| Multiplying factor                                     | K      | 1             |          |
| Luminous area in horizontal plane used in calculations | A      | 0.1           | sq.m.    |
| Angle to the downward vertical from light centre       | Gamma  | from data     | deg      |

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

| G   | C plane(deg) |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |
|-----|--------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| deg | 0            | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 55  | 1            | 1  | 1  | 1  | 2  | 1  | 2  | 1  | 2  | 1  | 2   | 1   | 2   | 1   | 2   | 1   | 2   | 1   | 1   |
| 60  | 0            | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 65  | 0            | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 70  | 0            | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 75  | 0            | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 80  | 0            | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 85  | 0            | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

| CIBSE Category | Gamma (deg) | Average Luminance  |                   | Patch Luminance  |                   |
|----------------|-------------|--------------------|-------------------|------------------|-------------------|
|                |             | maximum calculated | specified maximum | maximum measured | specified maximum |
| Category 1     | 55 to 90    | 2                  | 200               | ---              | 500               |
| Category 2     | 65 to 90    | 0                  | 200               | ---              | 500               |
| Category 3     | 75 to 90    | 0                  | 200               | ---              | 500               |

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:tang  
Test Date:2022-04-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

### Average Luminance Table(CIBSE)

|                                |        |                   |
|--------------------------------|--------|-------------------|
| NAME: pendant-glory-3000k-Ra90 | TYPE:  | WEIGHT:           |
| DIM.:                          | SPEC.: | SERIAL No.:       |
| MFR.: VD                       | SUR.:  | PROTECTION ANGLE: |

| Parameter description for average Luminance            | Symbol | Value         | Unit     |
|--------------------------------------------------------|--------|---------------|----------|
| Luminance in Azimuth Plane                             | Bc     | refer Table 2 | cd/sq.m. |
| Intensity at angle Gamma in given azimuth plane        | I      | from data     | cd/klm   |
| Number of lamps                                        | N      | 1             |          |
| Output of each lamp(initial lumens as specified)       | F      | 264.813       | lm       |
| Multiplying factor                                     | K      | 1             |          |
| Luminous area in horizontal plane used in calculations | A      | 0.1           | sq.m.    |
| Angle to the downward vertical from light centre       | Gamma  | from data     | deg      |

Table 1. Calculation parameters for determination of CIBSE LG3:2001 Average Luminance

| G<br>deg | C plane(deg) |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |
|----------|--------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|          | 0            | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| 55       | 1            | 1  | 1  | 1  | 2  | 1  | 2  | 1  | 2  | 1  | 2   | 1   | 2   | 1   | 2   | 1   | 2   | 1   | 1   |
| 60       | 0            | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 65       | 0            | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 70       | 0            | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 75       | 0            | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 80       | 0            | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 85       | 0            | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

| range<br>(deg) | Maximum<br>measured | Average Luminance(cd/sq.m)                             |                                     |                                    |                                    |
|----------------|---------------------|--------------------------------------------------------|-------------------------------------|------------------------------------|------------------------------------|
|                |                     | Maximum limit for screen type & software category used |                                     |                                    |                                    |
|                |                     | Type I,II screen<br>Some neg.s'ware                    | Type I,II screen<br>Only pos.s'ware | Type III screen<br>Some neg.s'ware | Type III screen<br>Only pos.s'ware |
| 55 to 90       | 2                   | 1000                                                   | 1500                                | 200                                | 500                                |
| 65 to 90       | 0                   | 1000                                                   | 1500                                | 200                                | 500                                |

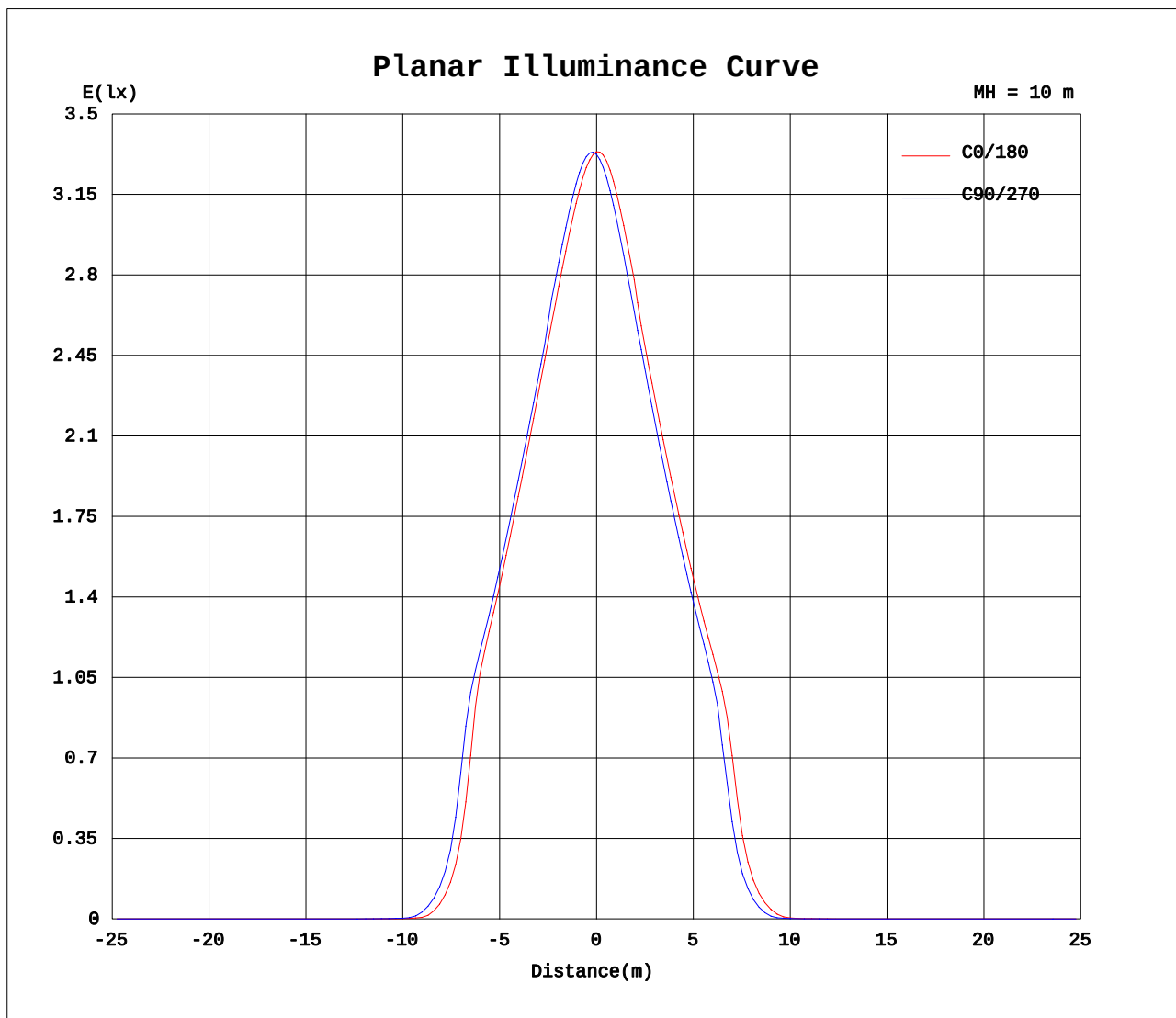
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

The luminaire satisfies the specified luminance criteria for  
Negative Software with Type I & II Screen(Good to Moderate treatment).

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:tang  
Test Date:2022-04-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: tang  
Test Date: 2022-04-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                |        |                   |
|--------------------------------|--------|-------------------|
| NAME: pendant-glory-3000k-Ra90 | TYPE:  | WEIGHT:           |
| DIM.:                          | SPEC.: | SERIAL No.:       |
| MFR.: VD                       | SUR.:  | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C(°)<br>γ (°) | 0    | 10   | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0             | 334  | 333  | 333  | 333  | 333  | 333  | 333  | 333  | 333  | 332  | 333  | 332  | 332  | 332  | 332  | 332  | 332  | 332  | 334  |
| 5             | 321  | 322  | 322  | 324  | 324  | 325  | 326  | 327  | 328  | 328  | 328  | 329  | 329  | 329  | 328  | 328  | 327  | 326  | 324  |
| 10            | 296  | 298  | 299  | 300  | 301  | 303  | 304  | 306  | 306  | 307  | 307  | 307  | 307  | 307  | 306  | 305  | 304  | 303  | 299  |
| 15            | 270  | 268  | 272  | 270  | 275  | 273  | 277  | 276  | 280  | 277  | 280  | 277  | 279  | 275  | 278  | 274  | 276  | 271  | 268  |
| 20            | 242  | 240  | 244  | 243  | 247  | 246  | 250  | 249  | 253  | 250  | 253  | 250  | 252  | 248  | 250  | 247  | 249  | 245  | 241  |
| 25            | 212  | 211  | 215  | 214  | 218  | 217  | 221  | 220  | 224  | 222  | 224  | 221  | 223  | 220  | 222  | 220  | 222  | 219  | 215  |
| 30            | 179  | 179  | 182  | 181  | 185  | 185  | 189  | 189  | 193  | 192  | 193  | 191  | 192  | 190  | 192  | 191  | 193  | 191  | 188  |
| 35            | 63.6 | 66.6 | 67.1 | 72.5 | 74.8 | 82.9 | 87.2 | 97.8 | 104  | 116  | 121  | 130  | 130  | 139  | 136  | 145  | 139  | 145  | 129  |
| 40            | 8.02 | 8.66 | 8.78 | 10.0 | 10.6 | 12.5 | 13.6 | 16.0 | 17.4 | 20.3 | 21.9 | 24.9 | 26.1 | 28.8 | 29.3 | 31.2 | 30.6 | 31.1 | 24.9 |
| 45            | 0.64 | 0.65 | 0.70 | 0.71 | 0.76 | 0.80 | 0.86 | 0.91 | 0.99 | 1.08 | 1.16 | 1.31 | 1.38 | 1.53 | 1.58 | 1.73 | 1.70 | 1.75 | 1.31 |
| 50            | 0.23 | 0.19 | 0.24 | 0.20 | 0.26 | 0.22 | 0.28 | 0.24 | 0.30 | 0.27 | 0.32 | 0.28 | 0.33 | 0.29 | 0.34 | 0.30 | 0.34 | 0.29 | 0.24 |
| 55            | 0.08 | 0.03 | 0.08 | 0.03 | 0.09 | 0.04 | 0.09 | 0.05 | 0.10 | 0.06 | 0.10 | 0.06 | 0.11 | 0.06 | 0.11 | 0.06 | 0.09 | 0.07 | 0.05 |
| 60            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 |
| 65            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95            | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135           | 0.06 | 0.09 | 0.05 | 0.09 | 0.04 | 0.08 | 0.03 | 0.06 | 0.01 | 0.06 | 0.01 | 0.05 | 0.00 | 0.05 | 0.00 | 0.04 | 0.00 | 0.04 | 0.06 |
| 140           | 0.16 | 0.21 | 0.16 | 0.20 | 0.14 | 0.18 | 0.13 | 0.17 | 0.12 | 0.16 | 0.11 | 0.15 | 0.11 | 0.15 | 0.10 | 0.14 | 0.10 | 0.15 | 0.17 |
| 145           | 0.28 | 0.32 | 0.27 | 0.30 | 0.26 | 0.30 | 0.25 | 0.28 | 0.24 | 0.27 | 0.22 | 0.27 | 0.22 | 0.26 | 0.21 | 0.26 | 0.21 | 0.26 | 0.28 |
| 150           | 0.39 | 0.42 | 0.39 | 0.42 | 0.37 | 0.41 | 0.35 | 0.40 | 0.35 | 0.39 | 0.33 | 0.38 | 0.33 | 0.37 | 0.33 | 0.38 | 0.33 | 0.38 | 0.39 |
| 155           | 0.49 | 0.53 | 0.48 | 0.52 | 0.46 | 0.51 | 0.45 | 0.50 | 0.45 | 0.49 | 0.44 | 0.48 | 0.43 | 0.48 | 0.43 | 0.48 | 0.43 | 0.48 | 0.49 |
| 160           | 0.61 | 0.66 | 0.60 | 0.65 | 0.59 | 0.64 | 0.58 | 0.62 | 0.57 | 0.61 | 0.56 | 0.60 | 0.55 | 0.59 | 0.55 | 0.60 | 0.55 | 0.59 | 0.61 |
| 165           | 0.74 | 0.78 | 0.73 | 0.77 | 0.72 | 0.76 | 0.71 | 0.75 | 0.70 | 0.74 | 0.69 | 0.73 | 0.68 | 0.72 | 0.68 | 0.73 | 0.68 | 0.73 | 0.75 |
| 170           | 0.82 | 0.86 | 0.81 | 0.85 | 0.81 | 0.85 | 0.79 | 0.84 | 0.79 | 0.84 | 0.79 | 0.83 | 0.78 | 0.83 | 0.78 | 0.84 | 0.79 | 0.84 | 0.84 |
| 175           | 0.87 | 0.89 | 0.86 | 0.88 | 0.86 | 0.88 | 0.85 | 0.88 | 0.84 | 0.88 | 0.85 | 0.89 | 0.85 | 0.88 | 0.85 | 0.89 | 0.85 | 0.90 | 0.89 |
| 180           | 0.89 | 0.89 | 0.88 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.88 | 0.88 | 0.88 | 0.89 | 0.88 | 0.88 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: tang  
Test Date: 2022-04-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                |        |                   |
|--------------------------------|--------|-------------------|
| NAME: pendant-glory-3000k-Ra90 | TYPE:  | WEIGHT:           |
| DIM.:                          | SPEC.: | SERIAL No.:       |
| MFR.: VD                       | SUR.:  | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C( DEG)<br>γ (DEG) | 190  | 200  | 210  | 220  | 230  | 240  | 250  | 260  | 270  | 280  | 290  | 300  | 310  | 320  | 330  | 340  | 350  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| 0                  | 333  | 333  | 333  | 333  | 333  | 333  | 333  | 333  | 332  | 333  | 332  | 332  | 332  | 332  | 332  | 332  | 332  |  |  |
| 5                  | 323  | 322  | 320  | 319  | 317  | 317  | 315  | 315  | 314  | 314  | 314  | 314  | 314  | 315  | 315  | 316  | 317  |  |  |
| 10                 | 297  | 296  | 293  | 292  | 290  | 287  | 287  | 285  | 285  | 284  | 286  | 285  | 287  | 287  | 289  | 291  | 292  |  |  |
| 15                 | 269  | 264  | 265  | 260  | 261  | 257  | 258  | 254  | 256  | 254  | 257  | 255  | 259  | 258  | 262  | 260  | 265  |  |  |
| 20                 | 242  | 238  | 239  | 234  | 234  | 230  | 231  | 227  | 229  | 226  | 230  | 228  | 232  | 230  | 234  | 233  | 237  |  |  |
| 25                 | 216  | 213  | 213  | 208  | 208  | 204  | 204  | 200  | 201  | 199  | 202  | 200  | 203  | 202  | 205  | 204  | 207  |  |  |
| 30                 | 190  | 186  | 187  | 182  | 181  | 176  | 176  | 172  | 172  | 169  | 171  | 169  | 170  | 169  | 171  | 171  | 173  |  |  |
| 35                 | 124  | 125  | 117  | 113  | 104  | 99.0 | 89.9 | 85.2 | 77.0 | 73.2 | 66.4 | 63.8 | 58.7 | 57.7 | 54.3 | 54.6 | 52.8 |  |  |
| 40                 | 23.3 | 23.2 | 21.1 | 20.2 | 17.7 | 16.7 | 14.5 | 13.4 | 11.4 | 10.5 | 8.89 | 8.30 | 7.03 | 6.83 | 5.95 | 6.02 | 5.56 |  |  |
| 45                 | 1.22 | 1.19 | 1.07 | 1.01 | 0.91 | 0.84 | 0.77 | 0.70 | 0.67 | 0.60 | 0.59 | 0.53 | 0.54 | 0.50 | 0.53 | 0.51 | 0.55 |  |  |
| 50                 | 0.28 | 0.23 | 0.26 | 0.20 | 0.23 | 0.17 | 0.22 | 0.16 | 0.19 | 0.14 | 0.18 | 0.13 | 0.17 | 0.12 | 0.17 | 0.14 | 0.18 |  |  |
| 55                 | 0.09 | 0.04 | 0.09 | 0.02 | 0.07 | 0.02 | 0.06 | 0.01 | 0.06 | 0.00 | 0.05 | 0.00 | 0.04 | 0.00 | 0.05 | 0.00 | 0.06 |  |  |
| 60                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 65                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 70                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 75                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 80                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 85                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 90                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 95                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 100                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 105                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 110                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 115                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 120                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 125                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |
| 130                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.02 | 0.00 |  |  |
| 135                | 0.01 | 0.07 | 0.02 | 0.07 | 0.03 | 0.08 | 0.04 | 0.09 | 0.05 | 0.10 | 0.06 | 0.11 | 0.06 | 0.10 | 0.07 | 0.11 | 0.07 |  |  |
| 140                | 0.12 | 0.17 | 0.13 | 0.18 | 0.14 | 0.18 | 0.14 | 0.20 | 0.16 | 0.21 | 0.16 | 0.21 | 0.17 | 0.22 | 0.18 | 0.23 | 0.17 |  |  |
| 145                | 0.24 | 0.28 | 0.25 | 0.29 | 0.25 | 0.30 | 0.26 | 0.32 | 0.28 | 0.33 | 0.29 | 0.33 | 0.29 | 0.34 | 0.29 | 0.33 | 0.29 |  |  |
| 150                | 0.35 | 0.40 | 0.36 | 0.41 | 0.37 | 0.42 | 0.38 | 0.43 | 0.39 | 0.44 | 0.39 | 0.44 | 0.40 | 0.44 | 0.40 | 0.44 | 0.40 |  |  |
| 155                | 0.45 | 0.51 | 0.46 | 0.51 | 0.48 | 0.52 | 0.48 | 0.54 | 0.49 | 0.54 | 0.50 | 0.54 | 0.50 | 0.54 | 0.50 | 0.55 | 0.50 |  |  |
| 160                | 0.58 | 0.62 | 0.58 | 0.63 | 0.59 | 0.65 | 0.61 | 0.65 | 0.62 | 0.67 | 0.62 | 0.67 | 0.63 | 0.68 | 0.63 | 0.67 | 0.62 |  |  |
| 165                | 0.70 | 0.75 | 0.71 | 0.76 | 0.72 | 0.77 | 0.73 | 0.78 | 0.74 | 0.79 | 0.75 | 0.79 | 0.75 | 0.79 | 0.75 | 0.79 | 0.75 |  |  |
| 170                | 0.81 | 0.85 | 0.80 | 0.86 | 0.81 | 0.86 | 0.81 | 0.86 | 0.82 | 0.86 | 0.82 | 0.86 | 0.82 | 0.86 | 0.82 | 0.86 | 0.81 |  |  |
| 175                | 0.86 | 0.88 | 0.86 | 0.90 | 0.86 | 0.88 | 0.86 | 0.88 | 0.86 | 0.88 | 0.86 | 0.88 | 0.86 | 0.88 | 0.86 | 0.89 | 0.86 |  |  |
| 180                | 0.89 | 0.89 | 0.89 | 0.90 | 0.88 | 0.89 | 0.88 | 0.89 | 0.88 | 0.89 | 0.88 | 0.88 | 0.89 | 0.89 | 0.89 | 0.89 | 0.90 |  |  |

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:tang  
Test Date:2022-04-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.262  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks: