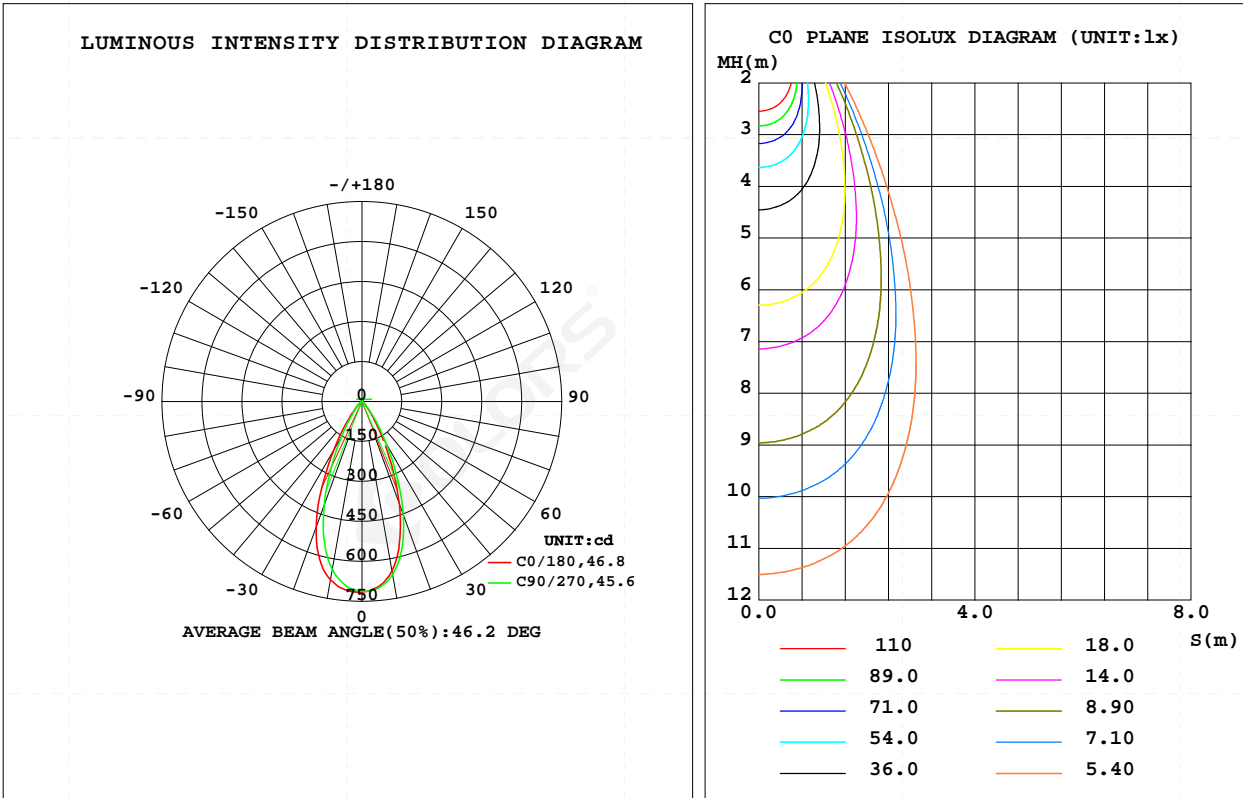


LUMINAIRE PHOTOMETRIC TEST REPORT

|  |            |                  |
|--|------------|------------------|
| Test:U:48.00V I:0.1250A P:6.000W PF:1.000 Freq:0Hz Lamp Flux:460.66x1 lm |            |                  |
| NAME: FD-HM40S5042(T)-N930B06  | TYPE:      | WEIGHT:          |
| SPEC.:   | DIM.: 40mm | SERIAL No.:      |
| MFR.: COLORS   | SUR.:40mm  | Shielding Angle: |

| DATA OF LAMP     |        | PHOTOMETRIC DATA Eff: 76.78 lm/W |        |                   |          |
|------------------|--------|----------------------------------|--------|-------------------|----------|
| MODEL            |        | I <sub>max</sub> (cd)            | 715.5  | S/MH(C0/180)      | 0.68     |
| NOMINAL POWER(W) | 6      | LOR(%)                           | 100.0  | S/MH(C90/270)     | 0.69     |
| RATED VOLTAGE(V) | 48     | TOTAL FLUX(lm)                   | 460.66 | h UP,DN(C0-180)   | 1.8,48.7 |
| NOMINAL FLUX(lm) | 460.66 | CIE CLASS                        | DIRECT | h UP,DN(C180-360) | 1.4,48.1 |
| LAMPS INSIDE     | 1      | h up(%)                          | 3.2    | CIBSE SHR NOM     | 0.75     |
| TEST VOLTAGE(V)  | 48     | h down(%)                        | 96.8   | CIBSE SHR MAX     | 0.75     |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2024-04-22

g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.375m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

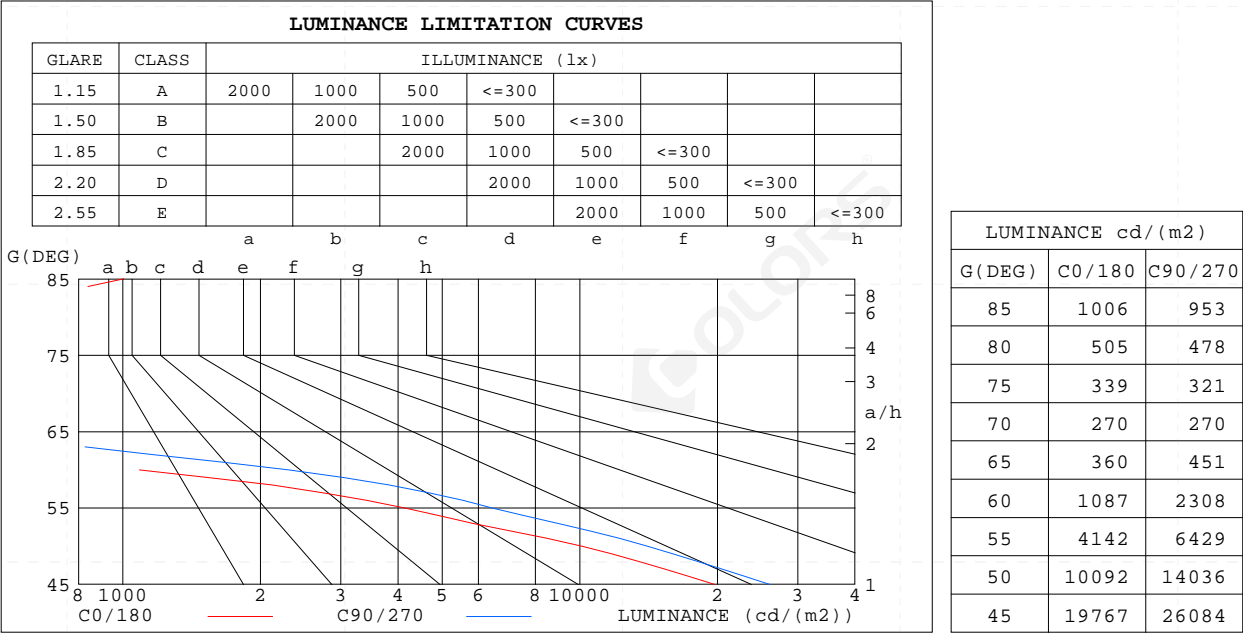
ZONAL FLUX DIAGRAM:

| g   | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | g       | F zone  | F total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|-----------|
| 10  | 646.1                 | 647.2  | 660.0  | 685.3  | 679.5  | 656.2  | 640.9  | 633.0  | 0- 10   | 65.47   | 65.47   | 14.2,14.2 |
| 20  | 410.8                 | 420.4  | 455.6  | 520.6  | 504.2  | 455.5  | 417.4  | 391.0  | 10- 20  | 156.7   | 222.2   | 48.2,48.2 |
| 30  | 147.0                 | 155.3  | 184.5  | 234.4  | 218.3  | 189.8  | 157.9  | 136.1  | 20- 30  | 138.0   | 360.1   | 78.2,78.2 |
| 40  | 36.49                 | 39.06  | 47.87  | 62.70  | 58.65  | 52.83  | 42.72  | 33.92  | 30- 40  | 61.12   | 421.2   | 91.4,91.4 |
| 50  | 8.433                 | 8.981  | 11.73  | 15.28  | 14.79  | 14.12  | 11.18  | 7.978  | 40- 50  | 19.29   | 440.5   | 95.6,95.6 |
| 60  | 0.7066                | 0.7472 | 1.500  | 2.456  | 2.289  | 2.151  | 1.252  | 0.6997 | 50- 60  | 4.706   | 445.2   | 96.6,96.6 |
| 70  | 0.1201                | 0.0899 | 0.1198 | 0.0959 | 0.1259 | 0.1321 | 0.1259 | 0.1259 | 60- 70  | 0.4263  | 445.7   | 96.7,96.7 |
| 80  | 0.1139                | 0.1138 | 0.1079 | 0.1079 | 0.1259 | 0.1079 | 0.1259 | 0.1259 | 70- 80  | 0.1205  | 445.8   | 96.8,96.8 |
| 90  | 0.1139                | 0.1320 | 0.1079 | 0.1259 | 0.1260 | 0.1079 | 0.1259 | 0.1259 | 80- 90  | 0.1275  | 445.9   | 96.8,96.8 |
| 100 | 0.1859                | 0.2100 | 0.1739 | 0.1740 | 0.1619 | 0.1139 | 0.1740 | 0.1259 | 90-100  | 0.1497  | 446.1   | 96.8,96.8 |
| 110 | 0.3777                | 0.3899 | 0.2876 | 0.3059 | 0.2402 | 0.1859 | 0.2819 | 0.2698 | 100-110 | 0.2291  | 446.3   | 96.9,96.9 |
| 120 | 1.048                 | 0.9730 | 0.8264 | 0.7437 | 0.5882 | 0.5452 | 0.6902 | 0.7433 | 110-120 | 0.4758  | 446.8   | 97.97     |
| 130 | 2.713                 | 2.519  | 2.241  | 2.015  | 1.529  | 1.510  | 1.794  | 2.008  | 120-130 | 1.172   | 447.9   | 97.2,97.2 |
| 140 | 5.142                 | 4.949  | 4.616  | 4.289  | 3.395  | 3.410  | 3.798  | 4.041  | 130-140 | 2.355   | 450.3   | 97.7,97.7 |
| 150 | 7.576                 | 7.490  | 7.193  | 6.856  | 5.885  | 5.833  | 6.231  | 6.290  | 140-150 | 3.392   | 453.7   | 98.5,98.5 |
| 160 | 9.102                 | 9.200  | 9.054  | 8.858  | 7.946  | 7.854  | 8.055  | 7.969  | 150-160 | 3.522   | 457.2   | 99.2,99.2 |
| 170 | 9.683                 | 9.763  | 9.768  | 9.738  | 9.181  | 9.114  | 9.121  | 8.976  | 160-170 | 2.541   | 459.7   | 99.8,99.8 |
| 180 | 9.894                 | 10.06  | 9.984  | 9.996  | 9.960  | 10.06  | 9.978  | 9.978  | 170-180 | 0.9207  | 460.7   | 100,100   |
| DEG | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |         | UNIT:lm |         |           |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2024-04-22

g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.375m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

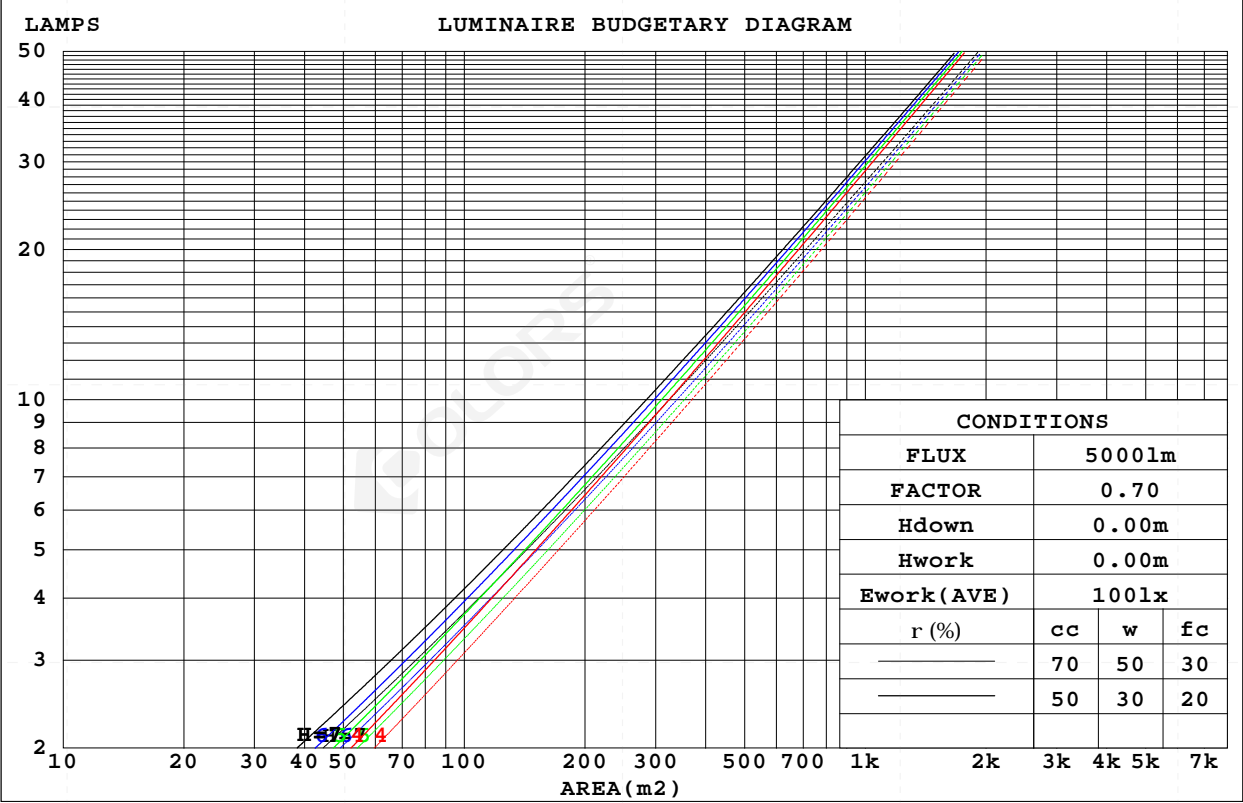


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JYH  
Test Date: 2024-04-22

G Range: 0 - 180DEG  
G Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.375m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|      |  |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
|------|--|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| rcc  | 80%  |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10% |     |     | 0   |
| rw   | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50% | 30% | 10% | 0   |
| rfc  | 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 | 1.09 | 1.09 | 1.09 | 1.04 | 1.04 | 1.04 | .99 | .99 | .99 | .97 |
| 1.0  | 1.10   | 1.08 | 1.06 | 1.08 | 1.06 | 1.04 | 1.03 | 1.02 | 1.00 | .99  | .98  | .97  | .95 | .94 | .93 | .91 |
| 2.0  | 1.03   | .90  | .96  | 1.01 | .98  | .95  | .98  | .95  | .92  | .94  | .92  | .90  | .91 | .89 | .88 | .86 |
| 3.0  | .97  | .92  | .89  | .95  | .91  | .88  | .92  | .89  | .86  | .89  | .87  | .84  | .87 | .85 | .83 | .81 |
| 4.0  | .91  | .86  | .82  | .90  | .85  | .81  | .87  | .83  | .80  | .85  | .82  | .79  | .83 | .80 | .78 | .76 |
| 5.0  | .86  | .81  | .77  | .85  | .80  | .76  | .83  | .78  | .75  | .81  | .77  | .74  | .79 | .76 | .73 | .72 |
| 6.0  | .81  | .76  | .72  | .80  | .75  | .71  | .79  | .74  | .71  | .77  | .73  | .70  | .75 | .72 | .69 | .68 |
| 7.0  | .77  | .71  | .68  | .76  | .71  | .67  | .75  | .70  | .67  | .73  | .69  | .66  | .72 | .68 | .66 | .64 |
| 8.0  | .73  | .68  | .64  | .72  | .67  | .64  | .71  | .66  | .63  | .70  | .66  | .63  | .69 | .65 | .62 | .61 |
| 9.0  | .69  | .64  | .60  | .69  | .64  | .60  | .68  | .63  | .60  | .67  | .62  | .59  | .66 | .62 | .59 | .58 |
| 10.0 | .66  | .61  | .57  | .66  | .61  | .57  | .65  | .60  | .57  | .64  | .60  | .57  | .63 | .59 | .56 | .55 |



C Range: 0 - 360DEG

C Interval: 45.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:JYH

Test Date:2024-04-22

g Range: 0 - 180DEG

g Interval: 1.0DEG

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

Humidity:65.0%

Test Distance:10.375m [K=1.0000]

Remarks:

WEC AND CCEC

| rcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| rw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| rfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .169                  | .096 | .030 | .162 | .092 | .029 | .147                            | .084 | .027 | .134 | .077 | .025 | .122 | .071 | .023 |   |
| 2.0  | .161                  | .088 | .027 | .154 | .085 | .026 | .142                            | .079 | .025 | .131 | .073 | .023 | .120 | .068 | .021 |   |
| 3.0  | .152                  | .081 | .024 | .147 | .079 | .024 | .136                            | .074 | .022 | .127 | .069 | .021 | .118 | .065 | .020 |   |
| 4.0  | .145                  | .075 | .022 | .140 | .073 | .022 | .131                            | .069 | .021 | .122 | .066 | .020 | .114 | .062 | .019 |   |
| 5.0  | .138                  | .070 | .020 | .133 | .068 | .020 | .125                            | .065 | .019 | .118 | .062 | .019 | .111 | .059 | .018 |   |
| 6.0  | .131                  | .066 | .019 | .127 | .064 | .019 | .120                            | .062 | .018 | .114 | .059 | .017 | .107 | .057 | .017 |   |
| 7.0  | .125                  | .062 | .018 | .122 | .061 | .017 | .116                            | .058 | .017 | .110 | .056 | .016 | .104 | .054 | .016 |   |
| 8.0  | .120                  | .059 | .016 | .117 | .058 | .016 | .111                            | .056 | .016 | .106 | .054 | .015 | .101 | .052 | .015 |   |
| 9.0  | .115                  | .056 | .016 | .112 | .055 | .015 | .107                            | .053 | .015 | .102 | .051 | .015 | .098 | .050 | .014 |   |
| 10.0 | .110                  | .053 | .015 | .108 | .052 | .015 | .103                            | .051 | .014 | .099 | .049 | .014 | .094 | .048 | .014 |   |

| rcc  | 80%  |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| rw   | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| rfc  | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  | .215   | .215 | .215 | .184 | .184 | .184 | .125 | .125 | .125 | .072 | .072 | .072 | .023 | .023 | .023 |   |
| 1.0  | .195   | .182 | .170 | .167 | .156 | .146 | .114 | .107 | .101 | .066 | .062 | .059 | .021 | .020 | .019 |   |
| 2.0  | .180   | .157 | .139 | .154 | .135 | .120 | .105 | .094 | .084 | .061 | .055 | .049 | .019 | .018 | .016 |   |
| 3.0  | .167   | .138 | .116 | .143 | .119 | .100 | .098 | .083 | .070 | .057 | .048 | .042 | .018 | .016 | .014 |   |
| 4.0  | .156   | .124 | .099 | .134 | .107 | .086 | .092 | .074 | .060 | .053 | .044 | .036 | .017 | .014 | .012 |   |
| 5.0  | .147   | .112 | .086 | .126 | .097 | .075 | .087 | .068 | .053 | .050 | .040 | .031 | .016 | .013 | .010 |   |
| 6.0  | .140   | .103 | .076 | .120 | .089 | .066 | .083 | .062 | .047 | .048 | .037 | .028 | .015 | .012 | .009 |   |
| 7.0  | .133   | .095 | .068 | .114 | .082 | .060 | .079 | .058 | .042 | .046 | .034 | .025 | .015 | .011 | .008 |   |
| 8.0  | .127   | .089 | .062 | .109 | .077 | .054 | .076 | .054 | .039 | .044 | .032 | .023 | .014 | .010 | .008 |   |
| 9.0  | .122   | .084 | .058 | .105 | .072 | .050 | .073 | .051 | .036 | .042 | .030 | .021 | .014 | .010 | .007 |   |
| 10.0 | .117   | .079 | .054 | .101 | .069 | .047 | .070 | .048 | .033 | .041 | .029 | .020 | .013 | .009 | .007 |   |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:2024-04-22

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.375m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|  |                  |               |      |      |      |                |               |      |      |      |
|--|------------------|---------------|------|------|------|----------------|---------------|------|------|------|
| ceiling/cavity                                     | 0.7              | 0.7           | 0.5  | 0.5  | 0.3  | 0.7            | 0.7           | 0.5  | 0.5  | 0.3  |
| walls  | 0.5              | 0.3           | 0.5  | 0.3  | 0.3  | 0.5            | 0.3           | 0.5  | 0.3  | 0.3  |
| working plane                                      | 0.2              | 0.2           | 0.2  | 0.2  | 0.2  | 0.2            | 0.2           | 0.2  | 0.2  | 0.2  |
| Room dimensions                                    | Viewed crosswise |               |      |      |      | Viewed endwise |               |      |      |      |
| x = 2H y = 2H                                      | 19.2             | 20.0          | 19.4 | 20.3 | 20.5 | 20.3           | 21.1          | 20.6 | 21.4 | 21.6 |
| 3H   | 19.0             | 19.8          | 19.3 | 20.0 | 20.3 | 20.1           | 20.9          | 20.4 | 21.1 | 21.4 |
| 4H   | 18.9             | 19.7          | 19.2 | 19.9 | 20.2 | 20.0           | 20.8          | 20.3 | 21.0 | 21.3 |
| 6H   | 18.8             | 19.5          | 19.2 | 19.8 | 20.1 | 19.9           | 20.6          | 20.3 | 20.9 | 21.2 |
| 8H   | 18.8             | 19.4          | 19.1 | 19.7 | 20.1 | 19.9           | 20.5          | 20.2 | 20.9 | 21.2 |
| 12H  | 18.7             | 19.4          | 19.1 | 19.7 | 20.0 | 19.8           | 20.5          | 20.2 | 20.8 | 21.1 |
| 4H 2H  | 18.9             | 19.7          | 19.2 | 19.9 | 20.2 | 20.0           | 20.8          | 20.3 | 21.0 | 21.3 |
| 3H   | 18.7             | 19.4          | 19.1 | 19.7 | 20.0 | 19.8           | 20.5          | 20.2 | 20.8 | 21.1 |
| 4H   | 18.6             | 19.2          | 19.0 | 19.6 | 19.9 | 19.7           | 20.3          | 20.1 | 20.7 | 21.0 |
| 6H   | 18.5             | 19.0          | 18.9 | 19.4 | 19.8 | 19.6           | 20.1          | 20.1 | 20.5 | 20.9 |
| 8H   | 18.5             | 18.9          | 18.9 | 19.3 | 19.8 | 19.6           | 20.0          | 20.0 | 20.4 | 20.9 |
| 12H  | 18.4             | 18.8          | 18.9 | 19.3 | 19.7 | 19.5           | 19.9          | 20.0 | 20.4 | 20.8 |
| 8H 4H  | 18.5             | 18.9          | 18.9 | 19.3 | 19.8 | 19.6           | 20.0          | 20.0 | 20.4 | 20.9 |
| 6H   | 18.4             | 18.7          | 18.8 | 19.2 | 19.7 | 19.5           | 19.8          | 19.9 | 20.3 | 20.8 |
| 8H   | 18.3             | 18.6          | 18.8 | 19.1 | 19.6 | 19.4           | 19.7          | 19.9 | 20.2 | 20.7 |
| 12H  | 18.2             | 18.5          | 18.8 | 19.0 | 19.6 | 19.3           | 19.6          | 19.9 | 20.1 | 20.7 |
| 12H 4H   | 18.4             | 18.8          | 18.9 | 19.3 | 19.7 | 19.5           | 19.9          | 20.0 | 20.4 | 20.8 |
| 6H   | 18.3             | 18.6          | 18.8 | 19.1 | 19.6 | 19.4           | 19.7          | 19.9 | 20.2 | 20.7 |
| 8H   | 18.2             | 18.5          | 18.8 | 19.0 | 19.6 | 19.3           | 19.6          | 19.9 | 20.1 | 20.7 |
| Variations with the observer position at spacings: |                  |               |      |      |      |                |               |      |      |      |
| S = 1.0H   |                  | + 3.1 / -12.9 |      |      |      |                | + 3.7 / -11.7 |      |      |      |
| 1.5H   |                  | + 4.9 / - 9.1 |      |      |      |                | + 5.4 / - 9.3 |      |      |      |
| 2.0H   |                  | + 6.2 / -14.4 |      |      |      |                | + 6.6 / -15.7 |      |      |      |

CIE Pub.117, 460.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2024-04-22

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.375m [K=1.0000]  
Remarks:

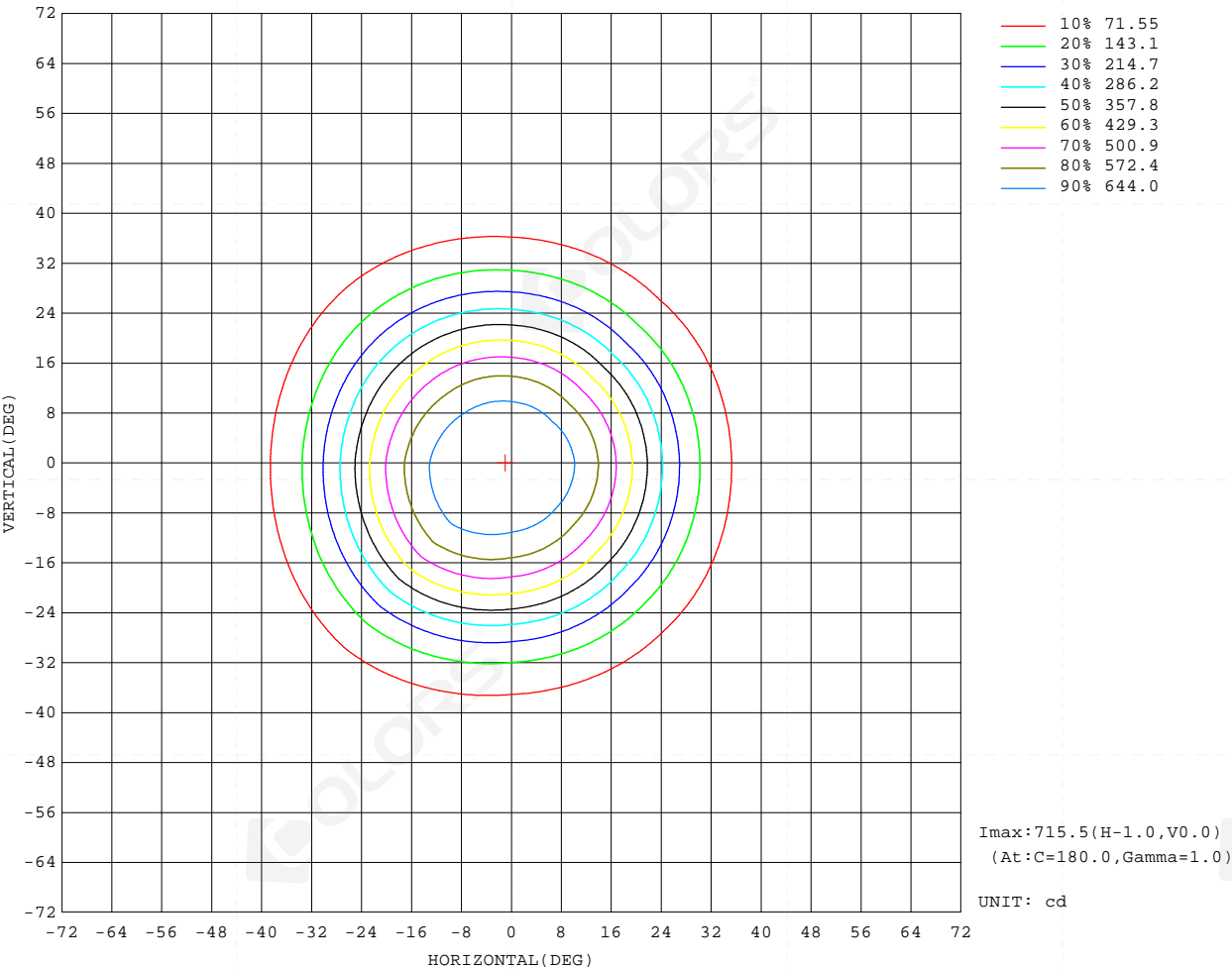
UTILIZATION FACTORS TABLE

| 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) $k(RI) \times RCR = 5$ |     |     |           |     |     |     |               |     |        |
| $k = 0.60$                       | 86  | 80  | 76  | 86        | 80  | 76  | 85  | 79            | 76  | 72     |
| 0.80                             | 94  | 88  | 84  | 93        | 87  | 84  | 91  | 87            | 83  | 79     |
| 1.00                             | 98  | 93  | 89  | 97        | 92  | 89  | 95  | 91            | 88  | 84     |
| 1.25                             | 102   | 97  | 93  | 101       | 96  | 93  | 99  | 95            | 92  | 87     |
| 1.50                             | 105   | 100 | 97  | 103       | 99  | 96  | 101 | 97            | 95  | 90     |
| 2.00                             | 108   | 103 | 100 | 106       | 102 | 99  | 103 | 100           | 97  | 91     |
| 2.50                             | 109   | 105 | 102 | 107       | 104 | 101 | 104 | 101           | 99  | 92     |
| 3.00                             | 111   | 107 | 105 | 109       | 106 | 103 | 105 | 103           | 101 | 93     |
| 4.00                             | 113   | 110 | 108 | 111       | 108 | 106 | 106 | 105           | 103 | 95     |
| 5.00                             | 114   | 112 | 110 | 112       | 110 | 108 | 107 | 106           | 105 | 96     |
| ROOM INDEX                       | UF(total)   |     |     |           |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     |     | Suspended |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2024-04-22

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.375m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

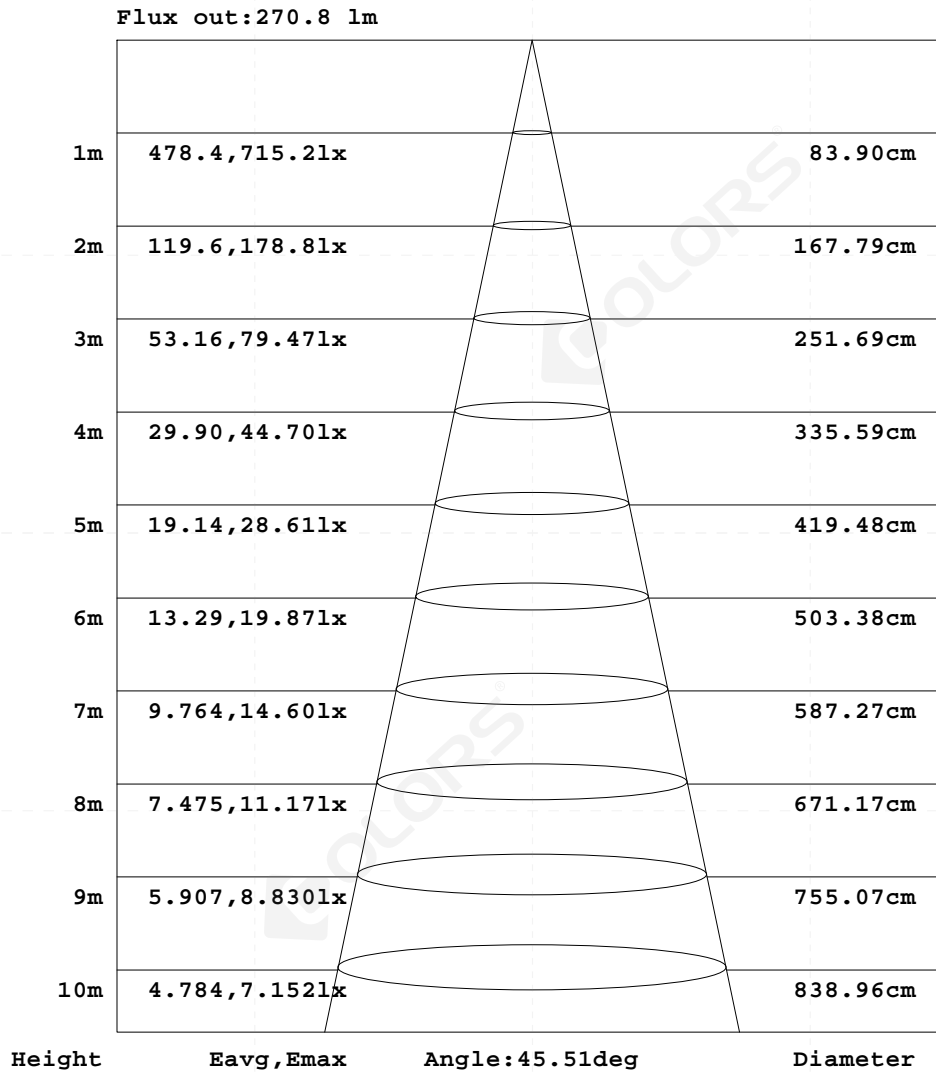


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JYH  
Test Date: 2024-04-22

deg Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.375m [K=1.0000]  
Remarks:



## AAI Figure

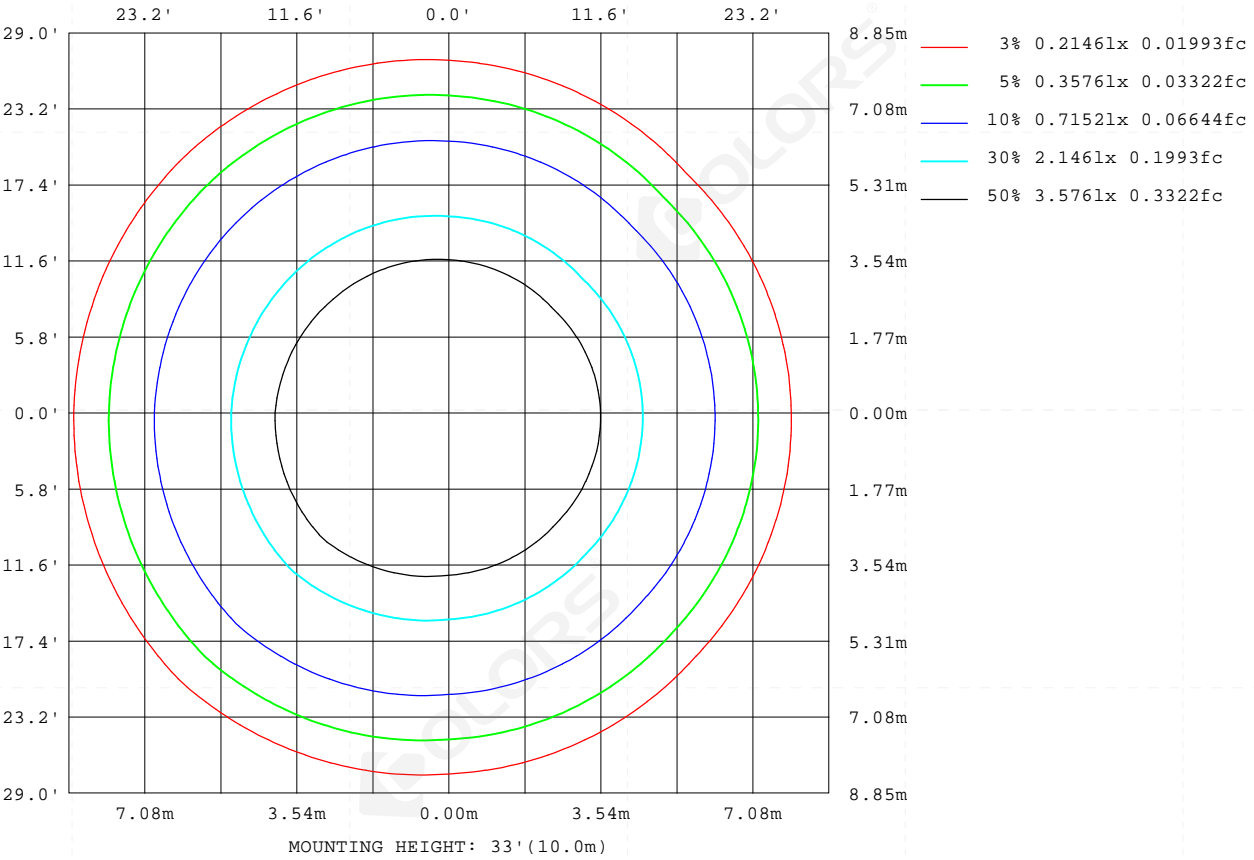


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2024-04-22

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.375m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JYH  
Test Date: 2024-04-22

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.375m [K=1.0000]  
Remarks:

LED Avg.L Report

|  |            |                  |
|--|------------|------------------|
| Test:U:48.00V I:0.1250A P:6.000W PF:1.000 Freq:0Hz Lamp Flux:460.66x1 lm |            |                  |
| NAME: TLS-MT20S42(T)-06903050-NBB  | TYPE:      | WEIGHT:          |
| SPEC.:   | DIM.: 40mm | SERIAL No.:      |
| MFR.: COLORS   | SUR.:40mm  | Shielding Angle: |

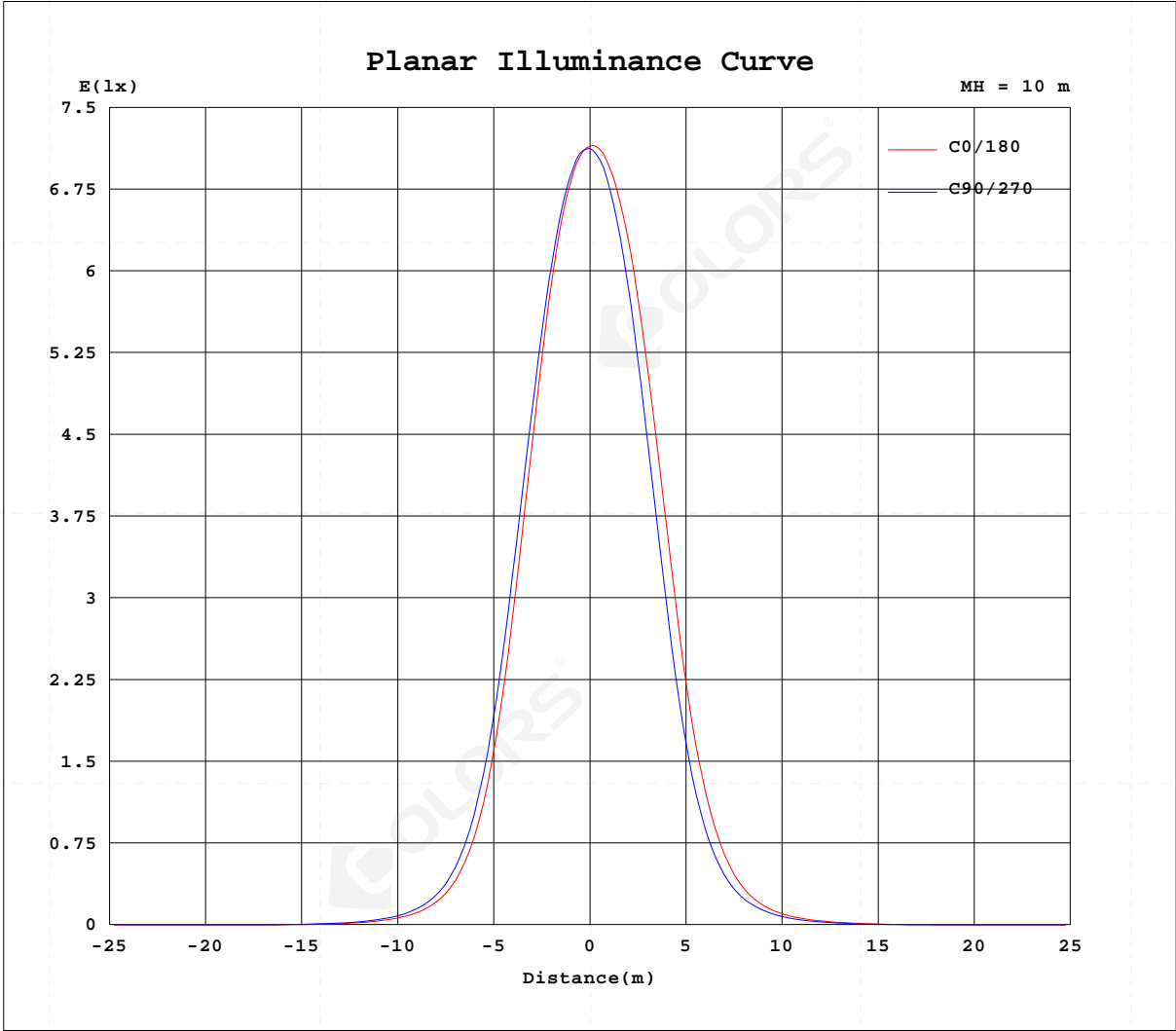
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 571   |
| L_0~180(75)av  | 356   |
| L_0~180(85)av  | 1058  |
| L_90~270(65)av | 384   |
| L_90~270(75)av | 348   |
| L_90~270(85)av | 1032  |
| L_45(65)av     | 469   |
| L_45(75)av     | 321   |
| L_45(85)av     | 1006  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2024-04-22

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.375m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2024-04-22

g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.375m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1UNIT: cd

| C( DEG)<br>g (DEG) | 0    | 45   | 90   | 135   | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|-------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                  | 714  | 714  | 712  | 712   | 714  | 714  | 712  | 712  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 698  | 699  | 703  | 710   | 710  | 700  | 694  | 690  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 646  | 647  | 660  | 685   | 679  | 656  | 641  | 633  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 547  | 552  | 577  | 625   | 613  | 575  | 546  | 529  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 411  | 420  | 456  | 521   | 504  | 456  | 417  | 391  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 264  | 274  | 312  | 379   | 359  | 317  | 274  | 248  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 147  | 155  | 185  | 234   | 218  | 190  | 158  | 136  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 74.3 | 79.5 | 96.3 | 127   | 118  | 102  | 83.3 | 68.6 |  |  |  |  |  |  |  |  |  |  |
| 40                 | 36.5 | 39.1 | 47.9 | 62.7  | 58.6 | 52.8 | 42.7 | 33.9 |  |  |  |  |  |  |  |  |  |  |
| 45                 | 18.2 | 19.4 | 24.0 | 30.6  | 29.2 | 27.4 | 22.2 | 17.2 |  |  |  |  |  |  |  |  |  |  |
| 50                 | 8.43 | 8.98 | 11.7 | 15.3  | 14.8 | 14.1 | 11.2 | 7.98 |  |  |  |  |  |  |  |  |  |  |
| 55                 | 3.09 | 3.17 | 4.79 | 6.54  | 6.45 | 6.36 | 4.42 | 2.91 |  |  |  |  |  |  |  |  |  |  |
| 60                 | 0.71 | 0.75 | 1.50 | 2.46  | 2.29 | 2.15 | 1.25 | 0.70 |  |  |  |  |  |  |  |  |  |  |
| 65                 | 0.20 | 0.09 | 0.25 | 0.40  | 0.43 | 0.36 | 0.17 | 0.18 |  |  |  |  |  |  |  |  |  |  |
| 70                 | 0.12 | 0.09 | 0.12 | 0.10  | 0.13 | 0.13 | 0.13 | 0.13 |  |  |  |  |  |  |  |  |  |  |
| 75                 | 0.11 | 0.09 | 0.11 | 0.11  | 0.13 | 0.11 | 0.13 | 0.13 |  |  |  |  |  |  |  |  |  |  |
| 80                 | 0.11 | 0.11 | 0.11 | 0.11  | 0.13 | 0.11 | 0.13 | 0.13 |  |  |  |  |  |  |  |  |  |  |
| 85                 | 0.11 | 0.11 | 0.11 | 0.11  | 0.13 | 0.11 | 0.13 | 0.13 |  |  |  |  |  |  |  |  |  |  |
| 90                 | 0.11 | 0.13 | 0.11 | 0.13  | 0.13 | 0.11 | 0.13 | 0.13 |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.16 | 0.16 | 0.11 | 0.13  | 0.14 | 0.11 | 0.14 | 0.13 |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.19 | 0.21 | 0.17 | 0.17  | 0.16 | 0.11 | 0.17 | 0.13 |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.28 | 0.26 | 0.20 | 0.22  | 0.19 | 0.17 | 0.21 | 0.17 |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.38 | 0.39 | 0.29 | 0.31  | 0.24 | 0.19 | 0.28 | 0.27 |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.67 | 0.60 | 0.46 | 0.46  | 0.36 | 0.30 | 0.41 | 0.47 |  |  |  |  |  |  |  |  |  |  |
| 120                | 1.05 | 0.97 | 0.83 | 0.74  | 0.59 | 0.55 | 0.69 | 0.74 |  |  |  |  |  |  |  |  |  |  |
| 125                | 1.70 | 1.58 | 1.37 | 1.24  | 0.96 | 0.93 | 1.13 | 1.26 |  |  |  |  |  |  |  |  |  |  |
| 130                | 2.71 | 2.52 | 2.24 | 2.02  | 1.53 | 1.51 | 1.79 | 2.01 |  |  |  |  |  |  |  |  |  |  |
| 135                | 3.91 | 3.68 | 3.43 | 3.08  | 2.36 | 2.36 | 2.70 | 2.95 |  |  |  |  |  |  |  |  |  |  |
| 140                | 5.14 | 4.95 | 4.62 | 4.29  | 3.40 | 3.41 | 3.80 | 4.04 |  |  |  |  |  |  |  |  |  |  |
| 145                | 6.41 | 6.28 | 5.93 | 5.60  | 4.63 | 4.61 | 5.03 | 5.23 |  |  |  |  |  |  |  |  |  |  |
| 150                | 7.58 | 7.49 | 7.19 | 6.86  | 5.89 | 5.83 | 6.23 | 6.29 |  |  |  |  |  |  |  |  |  |  |
| 155                | 8.44 | 8.49 | 8.30 | 7.98  | 7.02 | 6.94 | 7.28 | 7.24 |  |  |  |  |  |  |  |  |  |  |
| 160                | 9.10 | 9.20 | 9.05 | 8.86  | 7.95 | 7.85 | 8.06 | 7.97 |  |  |  |  |  |  |  |  |  |  |
| 165                | 9.46 | 9.56 | 9.57 | 9.40  | 8.68 | 8.56 | 8.65 | 8.51 |  |  |  |  |  |  |  |  |  |  |
| 170                | 9.68 | 9.76 | 9.77 | 9.74  | 9.18 | 9.11 | 9.12 | 8.98 |  |  |  |  |  |  |  |  |  |  |
| 175                | 9.77 | 10.0 | 9.87 | 10.0  | 9.67 | 9.70 | 9.56 | 9.56 |  |  |  |  |  |  |  |  |  |  |
| 180                | 9.89 | 10.1 | 9.98 | 10.00 | 9.96 | 10.1 | 9.98 | 9.98 |  |  |  |  |  |  |  |  |  |  |

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