

```

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [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       | 2486                     | 2489  | 2485  | 2497  | 2507  | 2491  | 2490  | 2484  | 0- 10    | 2401        | 2401         | 7.2,7.2    |
| 20       | 2282                     | 2297  | 2296  | 2319  | 2333  | 2295  | 2280  | 2265  | 10- 20   | 6830        | 9231         | 27.7,27.7  |
| 30       | 1554                     | 1610  | 1614  | 1649  | 1619  | 1576  | 1580  | 1516  | 20- 30   | 9132        | 18363        | 55.1,55.1  |
| 40       | 686.0                    | 720.2 | 801.0 | 780.4 | 761.7 | 728.7 | 807.8 | 733.8 | 30- 40   | 7071        | 25435        | 76.3,76.3  |
| 50       | 326.8                    | 282.8 | 376.5 | 362.2 | 374.6 | 300.1 | 392.9 | 344.1 | 40- 50   | 4022        | 29456        | 88.4,88.4  |
| 60       | 160.8                    | 135.1 | 184.2 | 177.7 | 186.2 | 144.1 | 193.3 | 167.0 | 50- 60   | 2301        | 31757        | 95.3,95.3  |
| 70       | 61.58                    | 52.73 | 69.18 | 67.77 | 74.05 | 58.09 | 74.03 | 61.17 | 60- 70   | 1131        | 32889        | 98.7,98.7  |
| 80       | 13.53                    | 12.73 | 15.53 | 15.22 | 18.72 | 15.85 | 17.94 | 13.06 | 70- 80   | 383.5       | 33272        | 99.9,99.9  |
| 90       | 0                        | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 80- 90   | 49.79       | 33322        | 100,100    |
| 100      | 0                        | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 90-100   | 0           | 33322        | 100,100    |
| 110      | 0                        | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 100-110  | 0           | 33322        | 100,100    |
| 120      | 0                        | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 110-120  | 0           | 33322        | 100,100    |
| 130      | 0                        | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 120-130  | 0           | 33322        | 100,100    |
| 140      | 0                        | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 130-140  | 0           | 33322        | 100,100    |
| 150      | 0                        | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 140-150  | 0           | 33322        | 100,100    |
| 160      | 0                        | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 150-160  | 0           | 33322        | 100,100    |
| 170      | 0                        | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 160-170  | 0           | 33322        | 100,100    |
| 180      | 0                        | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 170-180  | 0           | 33322        | 100,100    |
| DEG      | LUMINOUS INTENSITY:×10cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 27733 lm

%lum = 83.2%

%lamp = 83.2%

Conical surface Flux(120deg): 31757 lm

%lum = 95.3%

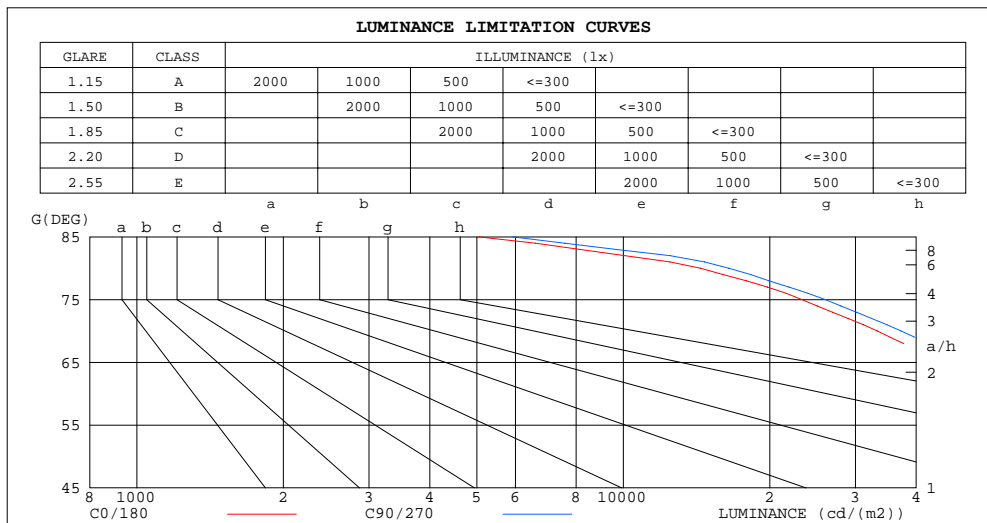
%lamp = 95.3%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:219.3V I:0.9355A P:203.1W PF:0.9902 Freq:50.01Hz Lamp Flux:33322x1 lm |                    |                  |
| NAME: AOK HBE  | TYPE:              | WEIGHT:          |
| SPEC.:AOK-200WHBE-NV-L2-00-5080-60D-P  | DIM.:              | SERIAL No.:      |
| MFR.: AOK  | SUR.: $\Phi$ 263mm | Shielding Angle: |



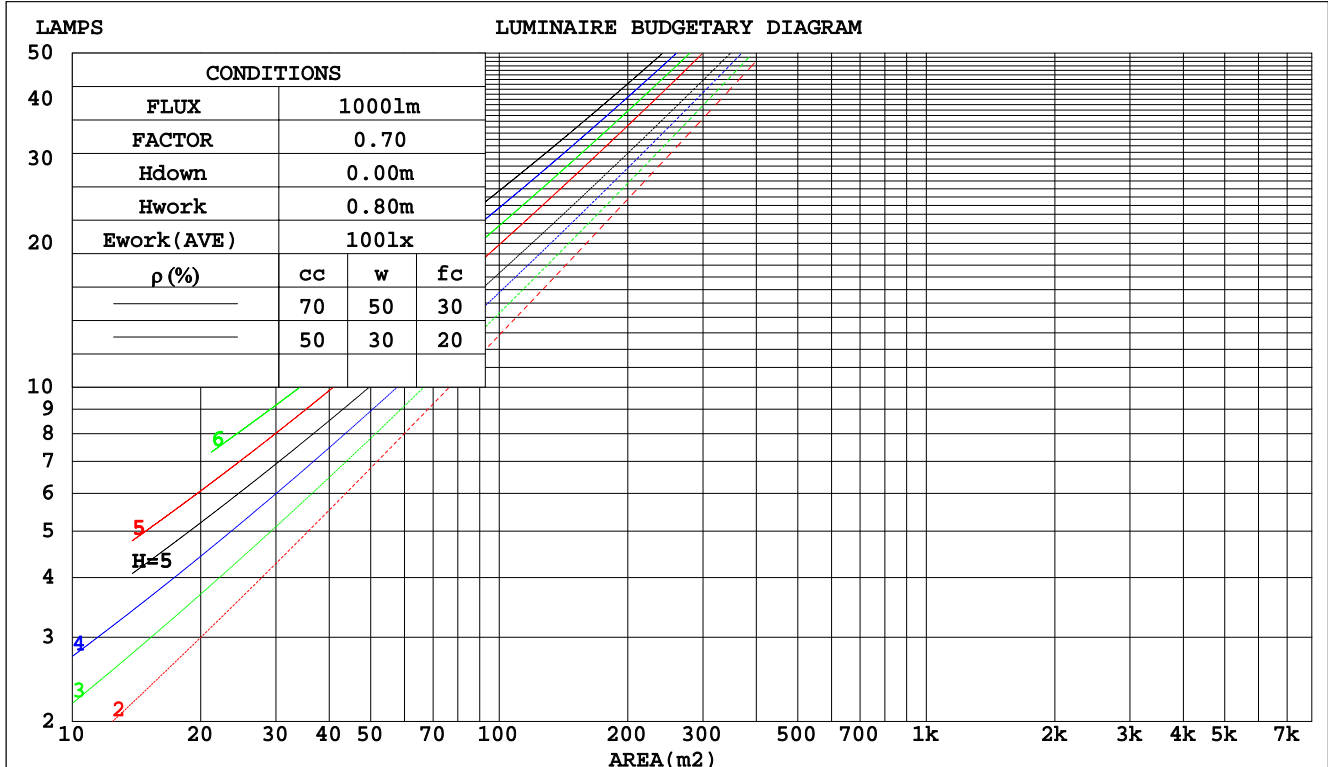
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:219.3V I:0.9355A P:203.1W PF:0.9902 Freq:50.01Hz Lamp Flux:33322x1 lm |                    |                  |
| NAME: AOK HBE  | TYPE:              | WEIGHT:          |
| SPEC.:AOK-200WHBE-NV-L2-00-5080-60D-P  | DIM.:              | SERIAL No.:      |
| MFR.: AOK  | SUR.: $\phi$ 263mm | 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         | 1.19                  | 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         | 1.09                  | 1.06 | 1.03 | 1.07 | 1.04 | 1.02 | 1.03                            | 1.01 | .99  | .99  | .97  | .96  | .95  | .94  | .93  | .91 |
| 2.0         | .99                   | .95  | .91  | .98  | .93  | .90  | .94                             | .91  | .88  | .91  | .88  | .86  | .88  | .86  | .84  | .82 |
| 3.0         | .91                   | .85  | .80  | .90  | .84  | .80  | .87                             | .82  | .78  | .84  | .80  | .77  | .82  | .79  | .76  | .74 |
| 4.0         | .84                   | .77  | .72  | .82  | .76  | .72  | .80                             | .75  | .71  | .78  | .74  | .70  | .76  | .72  | .69  | .67 |
| 5.0         | .77                   | .70  | .65  | .76  | .70  | .65  | .74                             | .69  | .64  | .72  | .67  | .64  | .71  | .66  | .63  | .61 |
| 6.0         | .71                   | .64  | .59  | .70  | .64  | .59  | .69                             | .63  | .59  | .67  | .62  | .58  | .66  | .61  | .58  | .56 |
| 7.0         | .66                   | .59  | .54  | .66  | .59  | .54  | .64                             | .58  | .54  | .63  | .58  | .54  | .62  | .57  | .53  | .52 |
| 8.0         | .62                   | .55  | .50  | .61  | .55  | .50  | .60                             | .54  | .50  | .59  | .53  | .50  | .58  | .53  | .49  | .48 |
| 9.0         | .58                   | .51  | .46  | .57  | .51  | .46  | .56                             | .50  | .46  | .55  | .50  | .46  | .54  | .49  | .46  | .44 |
| 10.0        | .54                   | .48  | .43  | .54  | .47  | .43  | .53                             | .47  | .43  | .52  | .47  | .43  | .51  | .46  | .43  | .41 |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## WEC AND CCEC

|  |  |  |                    |  |                  |
|--|--|--|--------------------|--|------------------|
| Test:U:219.3V I:0.9355A P:203.1W PF:0.9902 Freq:50.01Hz Lamp Flux:33322x1 lm |  |  |                    |  |                  |
| NAME: AOK HBE  |  |  | TYPE:              |  | WEIGHT:          |
| SPEC.:AOK-200WHBE-NV-L2-00-5080-60D-P  |  |  | DIM.:              |  | SERIAL No.:      |
| MFR.: AOK  |  |  | SUR.: $\phi$ 263mm |  | Shielding Angle: |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .212                  | .120 | .038 | .205 | .117 | .037 | .192                            | .110 | .035 | .180 | .104 | .033 | .170 | .098 | .032 |   |
| 2.0  | .205                  | .112 | .034 | .199 | .110 | .034 | .188                            | .105 | .032 | .178 | .100 | .031 | .169 | .095 | .030 |   |
| 3.0  | .195                  | .104 | .031 | .190 | .102 | .031 | .181                            | .098 | .030 | .172 | .094 | .029 | .164 | .091 | .028 |   |
| 4.0  | .185                  | .096 | .028 | .180 | .094 | .028 | .172                            | .091 | .027 | .165 | .088 | .027 | .157 | .086 | .026 |   |
| 5.0  | .175                  | .089 | .026 | .171 | .088 | .026 | .164                            | .085 | .025 | .157 | .083 | .025 | .151 | .081 | .024 |   |
| 6.0  | .166                  | .083 | .024 | .162 | .082 | .024 | .156                            | .080 | .023 | .150 | .078 | .023 | .144 | .076 | .023 |   |
| 7.0  | .157                  | .078 | .022 | .154 | .077 | .022 | .148                            | .075 | .022 | .143 | .073 | .021 | .138 | .072 | .021 |   |
| 8.0  | .149                  | .073 | .021 | .147 | .072 | .020 | .141                            | .071 | .020 | .137 | .069 | .020 | .132 | .068 | .020 |   |
| 9.0  | .142                  | .069 | .019 | .140 | .068 | .019 | .135                            | .067 | .019 | .131 | .066 | .019 | .127 | .064 | .019 |   |
| 10.0 | .135                  | .065 | .018 | .133 | .064 | .018 | .129                            | .063 | .018 | .125 | .062 | .018 | .121 | .061 | .018 |   |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .174                  | .157 | .142 | .148 | .135 | .122 | .102                                       | .093 | .085 | .058 | .054 | .049 | .019 | .017 | .016 |   |
| 2.0  | .161                  | .132 | .109 | .138 | .114 | .094 | .094                                       | .079 | .065 | .054 | .046 | .038 | .017 | .015 | .012 |   |
| 3.0  | .150                  | .114 | .085 | .129 | .098 | .074 | .088                                       | .068 | .052 | .051 | .040 | .030 | .016 | .013 | .010 |   |
| 4.0  | .141                  | .100 | .068 | .121 | .086 | .059 | .083                                       | .060 | .042 | .048 | .035 | .025 | .015 | .011 | .008 |   |
| 5.0  | .133                  | .088 | .055 | .114 | .076 | .048 | .079                                       | .053 | .034 | .046 | .031 | .020 | .015 | .010 | .007 |   |
| 6.0  | .126                  | .079 | .046 | .108 | .069 | .040 | .075                                       | .048 | .028 | .043 | .028 | .017 | .014 | .009 | .006 |   |
| 7.0  | .120                  | .072 | .039 | .103 | .063 | .034 | .071                                       | .044 | .024 | .041 | .026 | .014 | .013 | .008 | .005 |   |
| 8.0  | .114                  | .066 | .033 | .098 | .057 | .029 | .068                                       | .040 | .021 | .039 | .024 | .012 | .013 | .008 | .004 |   |
| 9.0  | .109                  | .061 | .029 | .094 | .053 | .025 | .065                                       | .037 | .018 | .038 | .022 | .011 | .012 | .007 | .004 |   |
| 10.0 | .104                  | .057 | .025 | .090 | .049 | .022 | .062                                       | .035 | .016 | .036 | .021 | .009 | .012 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

|  |               |                  |      |      |                    |               |                |                  |      |      |  |
|--|---------------|------------------|------|------|--------------------|---------------|----------------|------------------|------|------|--|
| Test:U:219.3V I:0.9355A P:203.1W PF:0.9902 Freq:50.01Hz Lamp Flux:33322x1 lm |               |                  |      |      |                    |               |                |                  |      |      |  |
| NAME: AOK HBE  |               |                  |      |      | TYPE:              |               |                | WEIGHT:          |      |      |  |
| SPEC.:AOK-200WHBE-NV-L2-00-5080-60D-P  |               |                  |      |      | DIM.:              |               |                | SERIAL No.:      |      |      |  |
| MFR.: AOK  |               |                  |      |      | SUR.: $\Phi$ 263mm |               |                | 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  | 26.3          | 27.4             | 26.5 | 27.6 | 27.8               | 26.8          | 28.0           | 27.1             | 28.2 | 28.3 |  |
|  | 3H            | 26.5             | 27.6 | 26.8 | 27.8               | 28.0          | 27.1           | 28.1             | 27.4 | 28.4 |  |
|  | 4H            | 26.5             | 27.5 | 26.8 | 27.8               | 28.0          | 27.1           | 28.1             | 27.4 | 28.3 |  |
|  | 6H            | 26.5             | 27.4 | 26.8 | 27.7               | 27.9          | 27.1           | 28.0             | 27.4 | 28.3 |  |
|  | 8H            | 26.5             | 27.4 | 26.8 | 27.6               | 27.9          | 27.1           | 27.9             | 27.4 | 28.2 |  |
|  | 12H           | 26.4             | 27.3 | 26.7 | 27.5               | 27.8          | 27.0           | 27.9             | 27.3 | 28.1 |  |
| 4H   | 2H            | 26.3             | 27.3 | 26.6 | 27.5               | 27.7          | 26.8           | 27.8             | 27.1 | 28.0 |  |
|  | 3H            | 26.6             | 27.5 | 27.0 | 27.8               | 28.1          | 27.2           | 28.0             | 27.5 | 28.3 |  |
|  | 4H            | 26.7             | 27.5 | 27.1 | 27.8               | 28.1          | 27.2           | 28.0             | 27.6 | 28.3 |  |
|  | 6H            | 26.7             | 27.4 | 27.1 | 27.7               | 28.1          | 27.2           | 27.9             | 27.6 | 28.2 |  |
|  | 8H            | 26.7             | 27.3 | 27.1 | 27.6               | 28.0          | 27.2           | 27.8             | 27.6 | 28.2 |  |
|  | 12H           | 26.6             | 27.2 | 27.0 | 27.6               | 28.0          | 27.1           | 27.7             | 27.6 | 28.1 |  |
| 8H   | 4H            | 26.6             | 27.3 | 27.0 | 27.6               | 28.0          | 27.2           | 27.8             | 27.6 | 28.1 |  |
|  | 6H            | 26.6             | 27.2 | 27.1 | 27.6               | 28.0          | 27.2           | 27.7             | 27.6 | 28.1 |  |
|  | 8H            | 26.6             | 27.1 | 27.1 | 27.5               | 27.9          | 27.1           | 27.6             | 27.6 | 28.0 |  |
|  | 12H           | 26.6             | 27.0 | 27.0 | 27.4               | 27.9          | 27.1           | 27.5             | 27.6 | 27.9 |  |
| 12H  | 4H            | 26.6             | 27.2 | 27.0 | 27.5               | 27.9          | 27.1           | 27.7             | 27.5 | 28.1 |  |
|  | 6H            | 26.6             | 27.1 | 27.1 | 27.5               | 27.9          | 27.1           | 27.6             | 27.6 | 28.0 |  |
|  | 8H            | 26.6             | 27.0 | 27.0 | 27.4               | 27.9          | 27.1           | 27.5             | 27.6 | 27.9 |  |
| Variations with the observer position at spacings:                           |               |                  |      |      |                    |               |                |                  |      |      |  |
| S = 1.0H   | + 1.1 / - 1.8 |                  |      |      |                    | + 1.1 / - 1.7 |                |                  |      |      |  |
| 1.5H   | + 1.6 / - 1.2 |                  |      |      |                    | + 1.7 / - 1.6 |                |                  |      |      |  |
| 2.0H   | + 2.3 / - 1.7 |                  |      |      |                    | + 2.4 / - 2.1 |                |                  |      |      |  |

CIE Pub.117, 33322 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 12.2$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:219.3V I:0.9355A P:203.1W PF:0.9902 Freq:50.01Hz Lamp Flux:33322x1 lm |                    |                  |
| NAME: AOK HBE  | TYPE:              | WEIGHT:          |
| SPEC.:AOK-200WHBE-NV-L2-00-5080-60D-P  | DIM.:              | SERIAL No.:      |
| MFR.: AOK  | SUR.: $\Phi$ 263mm | Shielding Angle: |

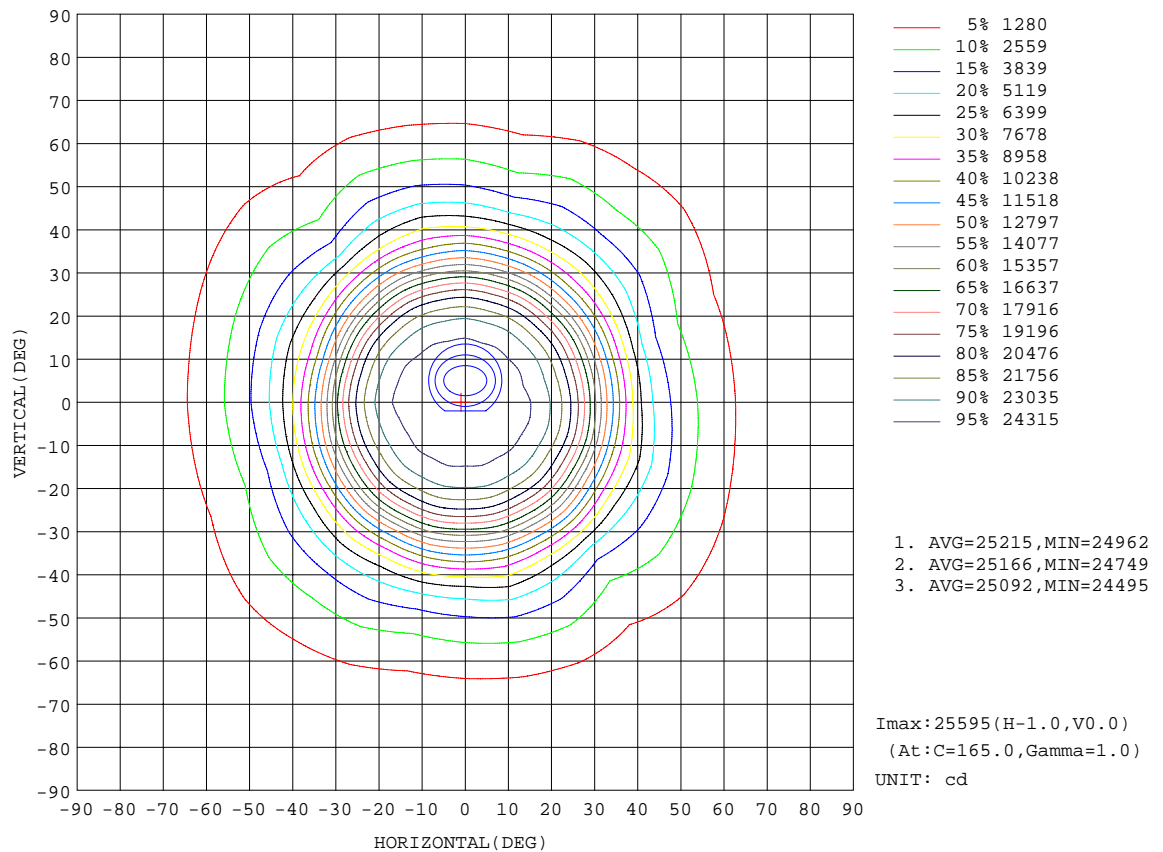
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7   | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2   | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 77  | 68  | 63        | 76  | 68  | 63  | 75  | 68            | 63  | 59     |
| 0.80                             | 85  | 78  | 73        | 85  | 77  | 72  | 83  | 77            | 72  | 67     |
| 1.00                             | 92  | 84  | 80        | 91  | 84  | 79  | 89  | 84            | 79  | 74     |
| 1.25                             | 97  | 90  | 86        | 96  | 90  | 85  | 94  | 88            | 84  | 79     |
| 1.50                             | 101   | 94  | 90        | 99  | 93  | 89  | 97  | 92            | 88  | 83     |
| 2.00                             | 105   | 99  | 95        | 103 | 98  | 94  | 100 | 96            | 93  | 87     |
| 2.50                             | 107   | 102 | 98        | 105 | 101 | 97  | 102 | 98            | 95  | 89     |
| 3.00                             | 109   | 105 | 101       | 107 | 103 | 100 | 104 | 101           | 98  | 91     |
| 4.00                             | 112   | 108 | 105       | 110 | 106 | 104 | 106 | 103           | 101 | 94     |
| 5.00                             | 113   | 110 | 108       | 111 | 108 | 106 | 107 | 105           | 103 | 95     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:219.3V I:0.9355A P:203.1W PF:0.9902 Freq:50.01Hz Lamp Flux:33322x1 lm |                    |                  |
| NAME: AOK HBE  | TYPE:              | WEIGHT:          |
| SPEC.:AOK-200WHBE-NV-L2-00-5080-60D-P  | DIM.:              | SERIAL No.:      |
| MFR.: AOK  | SUR.: $\phi$ 263mm | Shielding Angle: |



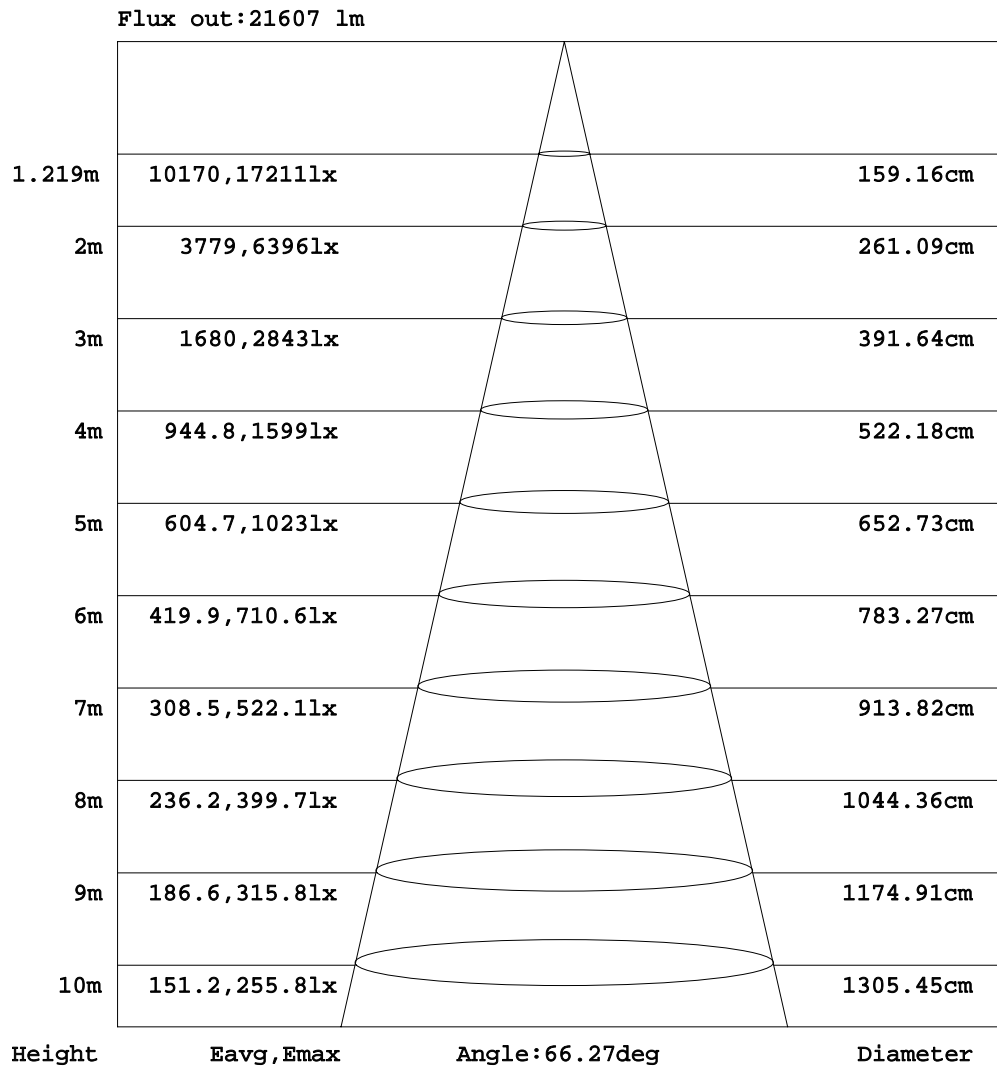
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



## AAI Figure

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:219.3V I:0.9355A P:203.1W PF:0.9902 Freq:50.01Hz Lamp Flux:33322x1 lm |                    |                  |
| NAME: AOK HBE  | TYPE:              | WEIGHT:          |
| SPEC.:AOK-200WHBE-NV-L2-00-5080-60D-P  | DIM.:              | SERIAL No.:      |
| MFR.: AOK  | SUR.: $\Phi$ 263mm | Shielding Angle: |



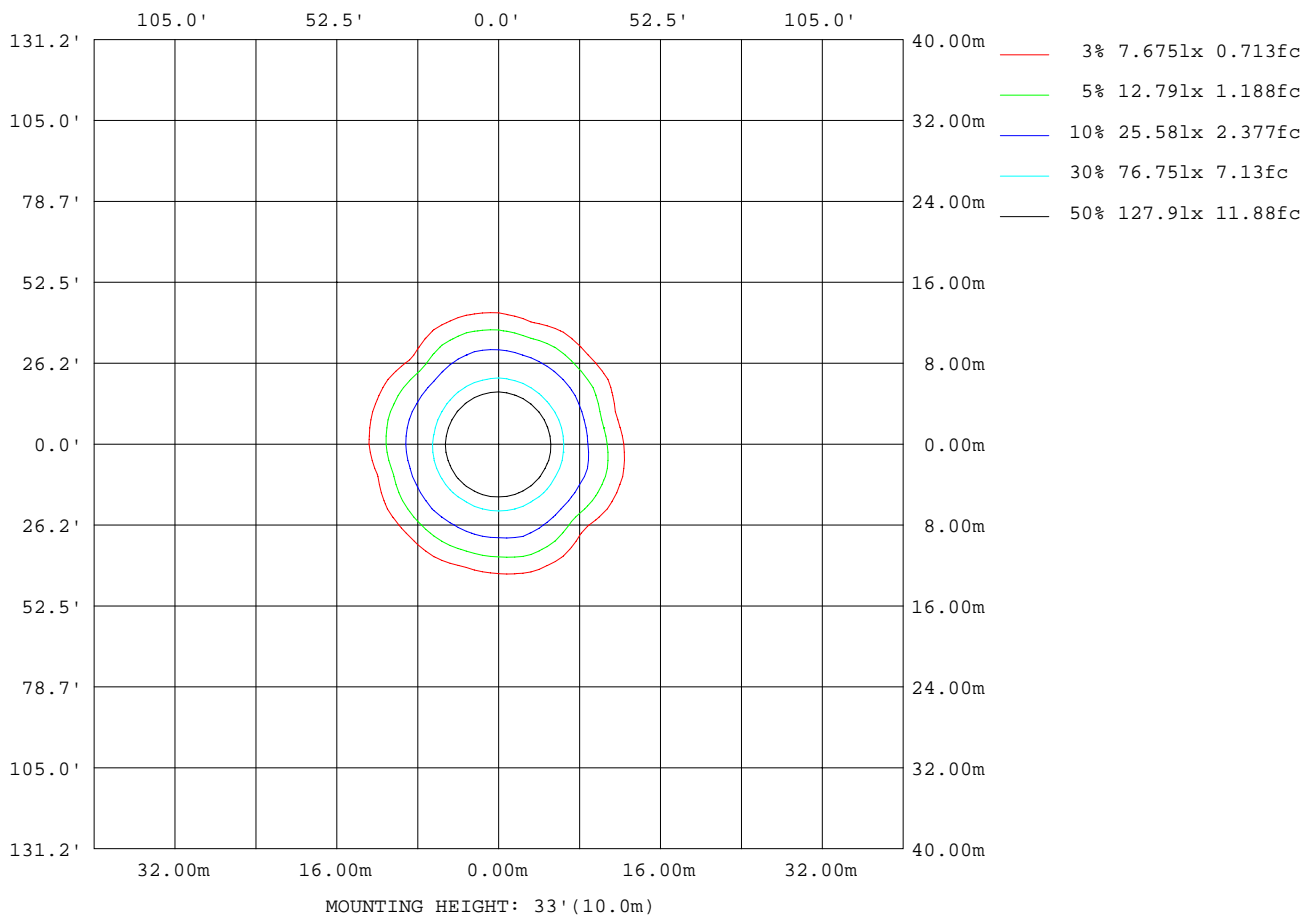
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: yanyonggeng  
 Test Date: 2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity: 65.0%  
 Test Distance: 7.682m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:219.3V I:0.9355A P:203.1W PF:0.9902 Freq:50.01Hz Lamp Flux:33322x1 lm |                    |                  |
| NAME: AOK HBE  | TYPE:              | WEIGHT:          |
| SPEC.:AOK-200WHBE-NV-L2-00-5080-60D-P  | DIM.:              | SERIAL No.:      |
| MFR.: AOK  | SUR.: $\Phi$ 263mm | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## LED Avg.L Report

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:219.3V I:0.9355A P:203.1W PF:0.9902 Freq:50.01Hz Lamp Flux:33322x1 lm |                    |                  |
| NAME: AOK HBE  | TYPE:              | WEIGHT:          |
| SPEC.:AOK-200WHBE-NV-L2-00-5080-60D-P  | DIM.:              | SERIAL No.:      |
| MFR.: AOK  | SUR.: $\Phi$ 263mm | Shielding Angle: |

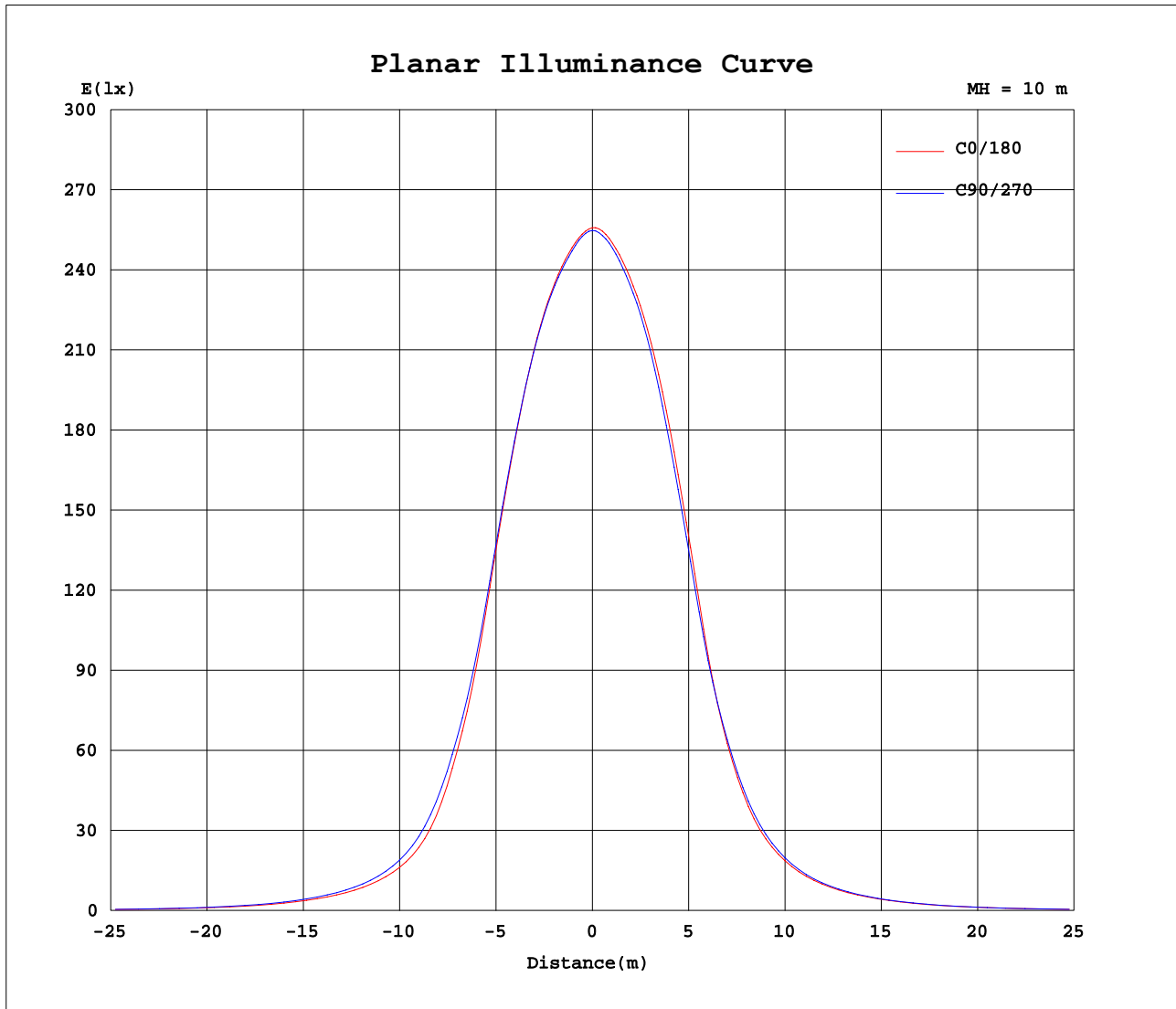
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 48821 |
| L_0~180 (75) av  | 26164 |
| L_0~180 (85) av  | 7124  |
| L_90~270 (65) av | 52492 |
| L_90~270 (75) av | 27191 |
| L_90~270 (85) av | 7132  |
| L_45 (65) av     | 44321 |
| L_45 (75) av     | 21025 |
| L_45 (85) av     | 7233  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:219.3V I:0.9355A P:203.1W PF:0.9902 Freq:50.01Hz Lamp Flux:33322x1 lm |                    |                  |
| NAME: AOK HBE  | TYPE:              | WEIGHT:          |
| SPEC.:AOK-200WHBE-NV-L2-00-5080-60D-P  | DIM.:              | SERIAL No.:      |
| MFR.: AOK  | SUR.: $\phi$ 263mm | Shielding Angle: |

Table--1

UNIT:  $\times 10\text{cd}$ 

| C (DEG)<br>$\gamma$ (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165  | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                         | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 | 2549 |
| 5                         | 2522 | 2527 | 2521 | 2525 | 2520 | 2526 | 2522 | 2529 | 2526 | 2534 | 2531 | 2538 | 2538 | 2532 | 2535 | 2530 | 2532 | 2527 | 2531 |
| 10                        | 2486 | 2489 | 2484 | 2489 | 2484 | 2490 | 2485 | 2491 | 2488 | 2497 | 2494 | 2502 | 2507 | 2498 | 2500 | 2491 | 2493 | 2486 | 2490 |
| 15                        | 2426 | 2433 | 2426 | 2432 | 2426 | 2434 | 2429 | 2438 | 2435 | 2446 | 2439 | 2450 | 2458 | 2447 | 2447 | 2433 | 2435 | 2425 | 2430 |
| 20                        | 2282 | 2295 | 2286 | 2297 | 2291 | 2303 | 2296 | 2308 | 2305 | 2319 | 2311 | 2324 | 2333 | 2317 | 2315 | 2295 | 2295 | 2278 | 2280 |
| 25                        | 2004 | 2028 | 2016 | 2037 | 2026 | 2043 | 2033 | 2052 | 2048 | 2070 | 2053 | 2067 | 2067 | 2041 | 2044 | 2021 | 2028 | 2003 | 2003 |
| 30                        | 1554 | 1583 | 1570 | 1610 | 1606 | 1630 | 1614 | 1634 | 1621 | 1649 | 1629 | 1635 | 1619 | 1575 | 1583 | 1576 | 1597 | 1577 | 1580 |
| 35                        | 1089 | 1095 | 1099 | 1145 | 1147 | 1186 | 1187 | 1183 | 1148 | 1167 | 1160 | 1163 | 1135 | 1083 | 1100 | 1119 | 1146 | 1149 | 1166 |
| 40                        | 686  | 751  | 707  | 720  | 762  | 834  | 801  | 800  | 762  | 780  | 754  | 770  | 762  | 750  | 722  | 729  | 779  | 828  | 808  |
| 45                        | 457  | 514  | 477  | 425  | 519  | 580  | 535  | 525  | 524  | 523  | 507  | 488  | 525  | 534  | 495  | 449  | 548  | 588  | 559  |
| 50                        | 327  | 362  | 344  | 283  | 373  | 404  | 376  | 355  | 378  | 362  | 365  | 330  | 375  | 379  | 358  | 300  | 394  | 415  | 393  |
| 55                        | 236  | 256  | 249  | 196  | 267  | 286  | 270  | 248  | 273  | 258  | 265  | 232  | 271  | 270  | 262  | 209  | 285  | 294  | 282  |
| 60                        | 161  | 174  | 170  | 135  | 180  | 191  | 184  | 168  | 186  | 178  | 182  | 158  | 186  | 186  | 183  | 144  | 194  | 200  | 193  |
| 65                        | 103  | 110  | 108  | 88.9 | 113  | 121  | 118  | 108  | 119  | 115  | 117  | 104  | 121  | 121  | 118  | 95.3 | 124  | 127  | 123  |
| 70                        | 61.6 | 65.5 | 62.9 | 52.7 | 65.5 | 71.3 | 69.2 | 65.0 | 69.0 | 67.8 | 69.0 | 64.8 | 74.0 | 72.8 | 71.3 | 58.1 | 73.7 | 75.4 | 74.0 |
| 75                        | 32.6 | 34.1 | 29.8 | 28.3 | 30.2 | 36.7 | 36.6 | 35.1 | 33.3 | 30.6 | 33.9 | 37.1 | 41.0 | 39.9 | 37.1 | 31.7 | 38.5 | 40.1 | 39.9 |
| 80                        | 13.5 | 13.0 | 11.8 | 12.7 | 12.0 | 14.1 | 15.5 | 14.6 | 13.4 | 15.2 | 14.8 | 16.9 | 18.7 | 17.0 | 15.0 | 15.8 | 15.5 | 16.9 | 17.9 |
| 85                        | 2.37 | 1.92 | 2.28 | 2.62 | 2.26 | 2.17 | 2.80 | 2.46 | 2.86 | 3.89 | 3.51 | 3.51 | 4.37 | 3.20 | 3.85 | 4.30 | 3.97 | 3.06 | 3.95 |
| 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                       | 0.00 | 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 |
| 140                       | 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 |
| 145                       | 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 |
| 150                       | 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 |
| 155                       | 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 |
| 160                       | 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 |
| 165                       | 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 |
| 170                       | 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 |
| 175                       | 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 |
| 180                       | 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 |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:219.3V I:0.9355A P:203.1W PF:0.9902 Freq:50.01Hz Lamp Flux:33322x1 lm |                    |                  |
| NAME: AOK HBE  | TYPE:              | WEIGHT:          |
| SPEC.:AOK-200WHBE-NV-L2-00-5080-60D-P  | DIM.:              | SERIAL No.:      |
| MFR.: AOK  | SUR.: $\Phi$ 263mm | Shielding Angle: |

Table--2

UNIT:  $\times 10\text{cd}$ 

| $\gamma$ (DEG) \ C (DEG) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                        | 2549 | 2549 | 2549 | 2549 | 2549 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                        | 2524 | 2527 | 2521 | 2525 | 2520 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                       | 2484 | 2490 | 2484 | 2487 | 2482 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                       | 2420 | 2427 | 2421 | 2427 | 2420 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                       | 2264 | 2273 | 2265 | 2277 | 2271 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                       | 1976 | 1981 | 1968 | 1989 | 1988 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                       | 1545 | 1538 | 1516 | 1537 | 1542 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                       | 1124 | 1099 | 1063 | 1072 | 1071 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                       | 771  | 739  | 734  | 703  | 674  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                       | 507  | 514  | 496  | 486  | 422  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                       | 345  | 372  | 344  | 349  | 289  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                       | 240  | 270  | 244  | 251  | 202  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                       | 163  | 184  | 167  | 172  | 138  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                       | 105  | 116  | 107  | 109  | 90.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                       | 63.2 | 68.0 | 61.2 | 64.8 | 55.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                       | 34.8 | 33.8 | 27.6 | 31.4 | 30.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                       | 14.7 | 13.4 | 13.1 | 12.3 | 12.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                       | 2.67 | 2.97 | 2.89 | 2.58 | 1.93 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-8-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks: