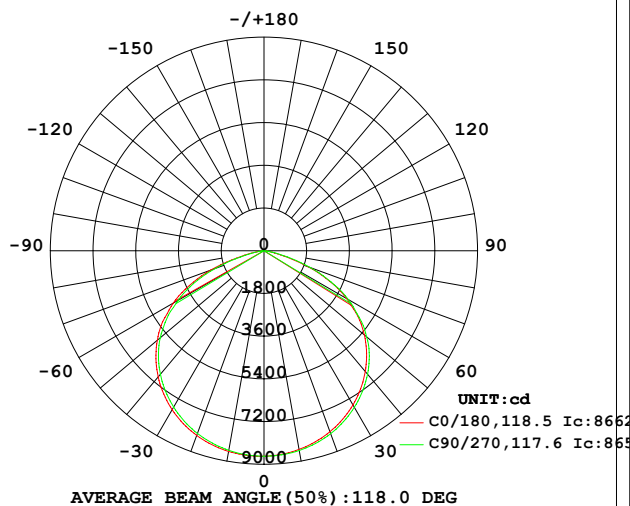


LUMINAIRE PHOTOMETRIC TEST REPORT

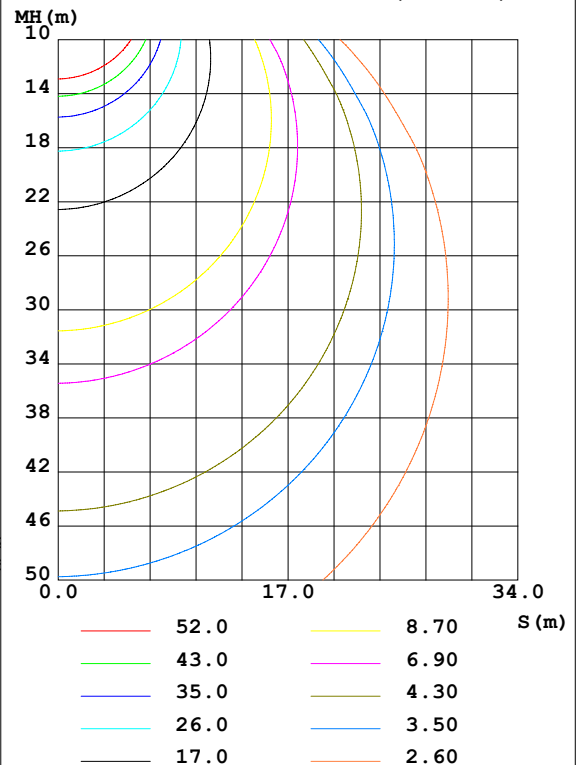
| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.6978A P:150.7W PF:0.9848 Freq:50.01Hz Lamp Flux:25080.3x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-120D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 166.43 lm/W | | | |
|-------------------|---------|-----------------------------------|--------|-------------------------|----------|
| MODEL | 2835 | I _{max} (cd) | 8662 | S/MH (C0/180) | 1.33 |
| NOMINAL POWER (W) | 150 | LOR (%) | 100.0 | S/MH (C90/270) | 1.31 |
| RATED VOLTAGE (V) | 220 | TOTAL FLUX (lm) | 25080 | η UP,DN (C0-180) | 0.0,49.8 |
| NOMINAL FLUX (lm) | 25080.3 | CIE CLASS | DIRECT | η UP,DN (C180-360) | 0.0,50.2 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE (V) | 220 | η down (%) | 100.0 | CIBSE SHR MAX | 1.50 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-10-24

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:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10 | 8501 | 8521 | 8546 | 8577 | 8586 | 8566 | 8540 | 8511 | 0- 10 | 821.0 | 821.0 | 3.27,3.27 |
| 20 | 8116 | 8151 | 8205 | 8265 | 8283 | 8244 | 8193 | 8139 | 10- 20 | 2373 | 3194 | 12.7,12.7 |
| 30 | 7499 | 7538 | 7617 | 7716 | 7738 | 7679 | 7612 | 7531 | 20- 30 | 3661 | 6855 | 27.3,27.3 |
| 40 | 6640 | 6683 | 6787 | 6915 | 6935 | 6867 | 6793 | 6689 | 30- 40 | 4526 | 11382 | 45.4,45.4 |
| 50 | 5521 | 5578 | 5648 | 5836 | 5869 | 5801 | 5710 | 5584 | 40- 50 | 4840 | 16222 | 64.7,64.7 |
| 60 | 4010 | 4149 | 4102 | 4389 | 4408 | 4416 | 4175 | 4143 | 50- 60 | 4464 | 20686 | 82.5,82.5 |
| 70 | 1973 | 2002 | 2069 | 2238 | 2396 | 2324 | 2166 | 1987 | 60- 70 | 3189 | 23874 | 95.2,95.2 |
| 80 | 266.4 | 264.9 | 355.9 | 359.5 | 433.4 | 322.8 | 358.8 | 257.6 | 70- 80 | 1114 | 24989 | 99.6,99.6 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 91.51 | 25080 | 100,100 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 25080 | 100,100 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 25080 | 100,100 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 25080 | 100,100 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 25080 | 100,100 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 25080 | 100,100 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 25080 | 100,100 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 25080 | 100,100 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 25080 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 25080 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 13801 lm

%lum = 55.0%

%lamp = 55.0%

Conical surface Flux(120deg): 20686 lm

%lum = 82.5%

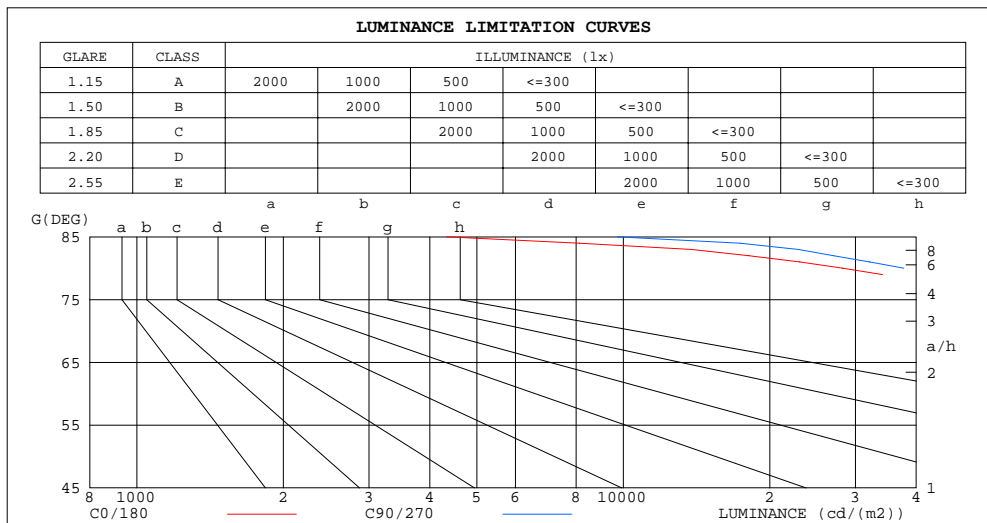
%lamp = 82.5%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-10-24

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:

LUMINANCE LIMITATION CURVES

| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.6978A P:150.7W PF:0.9848 Freq:50.01Hz Lamp Flux:25080.3x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-120D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: ϕ 263mm | Shielding Angle: |



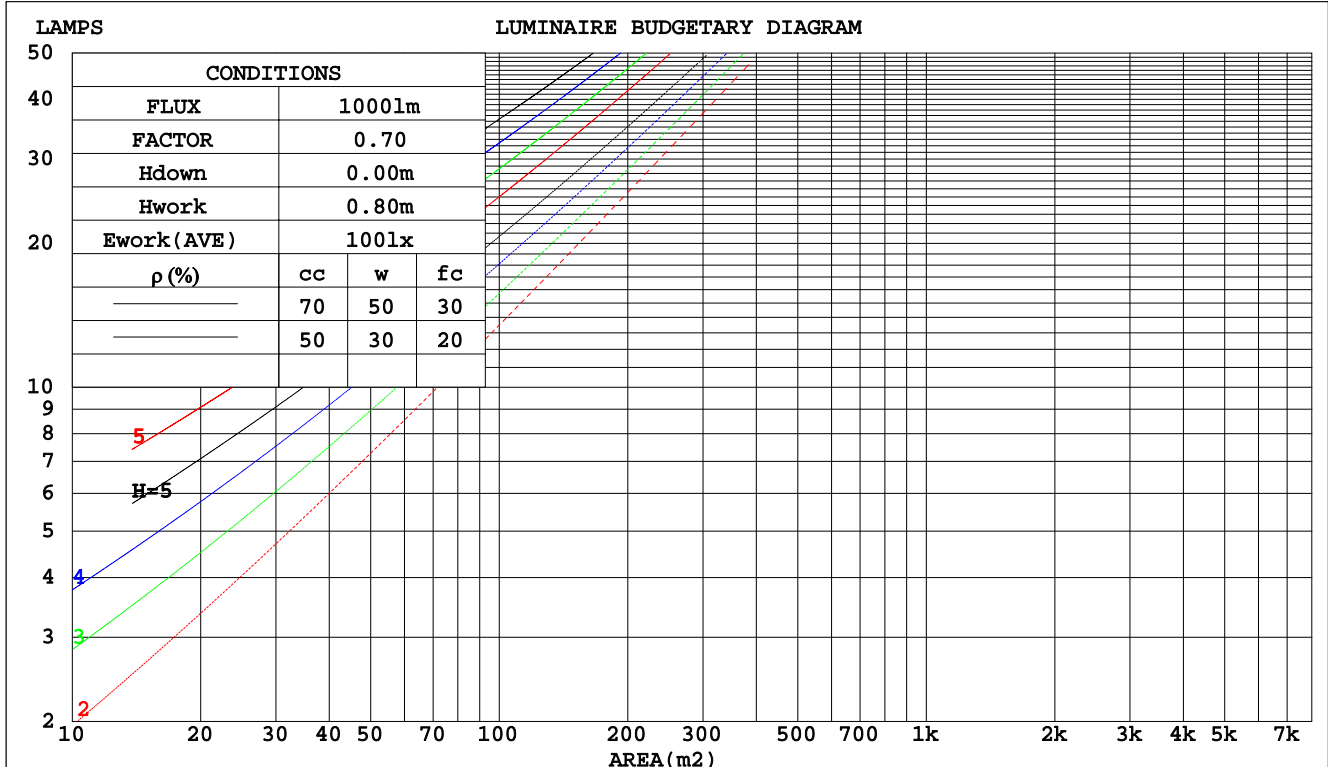
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-10-24

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.6978A P:150.7W PF:0.9848 Freq:50.01Hz Lamp Flux:25080.3x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-120D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: ϕ 263mm | Shielding Angle: |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{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 | 1.00 |
| 1.0 | 1.05 | 1.01 | .98 | 1.03 | .99 | .96 | .99 | .96 | .93 | .95 | .92 | .90 | .91 | .89 | .88 | .86 |
| 2.0 | .92 | .86 | .80 | .90 | .84 | .79 | .87 | .82 | .77 | .83 | .79 | .75 | .80 | .77 | .74 | .72 |
| 3.0 | .81 | .73 | .67 | .79 | .72 | .66 | .76 | .70 | .65 | .74 | .68 | .64 | .71 | .67 | .63 | .60 |
| 4.0 | .72 | .63 | .56 | .70 | .62 | .56 | .68 | .61 | .55 | .65 | .59 | .54 | .63 | .58 | .54 | .52 |
| 5.0 | .64 | .55 | .48 | .63 | .54 | .48 | .61 | .53 | .48 | .59 | .52 | .47 | .57 | .51 | .47 | .44 |
| 6.0 | .57 | .48 | .42 | .56 | .48 | .42 | .55 | .47 | .41 | .53 | .46 | .41 | .51 | .45 | .41 | .39 |
| 7.0 | .52 | .43 | .37 | .51 | .43 | .37 | .50 | .42 | .37 | .48 | .41 | .36 | .47 | .41 | .36 | .34 |
| 8.0 | .47 | .39 | .33 | .47 | .38 | .33 | .45 | .38 | .33 | .44 | .37 | .32 | .43 | .37 | .32 | .30 |
| 9.0 | .43 | .35 | .30 | .43 | .35 | .29 | .42 | .34 | .29 | .40 | .34 | .29 | .39 | .33 | .29 | .27 |
| 10.0 | .40 | .32 | .27 | .39 | .32 | .27 | .38 | .31 | .27 | .37 | .31 | .26 | .37 | .31 | .26 | .25 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-10-24

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:

WEC AND CCEC

| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.6978A P:150.7W PF:0.9848 Freq:50.01Hz Lamp Flux:25080.3x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-120D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 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 | .284 | .162 | .051 | .277 | .158 | .050 | .264 | .152 | .048 | .252 | .145 | .047 | .241 | .140 | .045 | | |
| 2.0 | .277 | .152 | .046 | .270 | .149 | .046 | .259 | .144 | .045 | .248 | .139 | .044 | .238 | .135 | .042 | | |
| 3.0 | .260 | .139 | .042 | .255 | .137 | .041 | .245 | .133 | .040 | .235 | .129 | .040 | .227 | .125 | .039 | | |
| 4.0 | .243 | .126 | .037 | .238 | .125 | .037 | .229 | .122 | .036 | .221 | .119 | .036 | .213 | .116 | .035 | | |
| 5.0 | .226 | .115 | .033 | .222 | .114 | .033 | .214 | .111 | .033 | .206 | .109 | .032 | .199 | .107 | .032 | | |
| 6.0 | .211 | .106 | .030 | .207 | .105 | .030 | .200 | .102 | .030 | .193 | .100 | .030 | .187 | .098 | .029 | | |
| 7.0 | .197 | .097 | .028 | .194 | .096 | .027 | .187 | .095 | .027 | .181 | .093 | .027 | .175 | .091 | .027 | | |
| 8.0 | .184 | .090 | .025 | .181 | .089 | .025 | .176 | .088 | .025 | .170 | .086 | .025 | .165 | .085 | .025 | | |
| 9.0 | .173 | .084 | .023 | .170 | .083 | .023 | .165 | .082 | .023 | .160 | .080 | .023 | .156 | .079 | .023 | | |
| 10.0 | .163 | .078 | .022 | .161 | .078 | .022 | .156 | .076 | .021 | .151 | .075 | .021 | .147 | .074 | .021 | | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .179 | .156 | .136 | .153 | .134 | .117 | .104 | .092 | .081 | .060 | .053 | .047 | .019 | .017 | .015 | |
| 2.0 | .170 | .132 | .100 | .146 | .114 | .086 | .100 | .079 | .060 | .058 | .046 | .035 | .018 | .015 | .012 | |
| 3.0 | .163 | .114 | .076 | .139 | .099 | .066 | .096 | .068 | .046 | .055 | .040 | .027 | .018 | .013 | .009 | |
| 4.0 | .155 | .101 | .059 | .133 | .087 | .051 | .092 | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 | |
| 5.0 | .148 | .090 | .048 | .127 | .078 | .042 | .088 | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 | |
| 6.0 | .141 | .082 | .040 | .121 | .071 | .034 | .084 | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 | |
| 7.0 | .135 | .075 | .033 | .116 | .065 | .029 | .080 | .046 | .021 | .047 | .027 | .012 | .015 | .009 | .004 | |
| 8.0 | .128 | .069 | .029 | .111 | .060 | .025 | .076 | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 | |
| 9.0 | .122 | .064 | .025 | .105 | .056 | .022 | .073 | .039 | .016 | .043 | .023 | .009 | .014 | .008 | .003 | |
| 10.0 | .117 | .060 | .022 | .101 | .052 | .020 | .070 | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-10-24

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:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|--------------------|----------------|------|------------------|------|------|
| Test:U:219.3V I:0.6978A P:150.7W PF:0.9848 Freq:50.01Hz Lamp Flux:25080.3x1 lm | | | | | | | | | | |
| NAME: AOK HBE | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-120D-P | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: AOK | | | | | SUR.: Φ 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 | 30.5 | 32.0 | 30.8 | 32.2 | 32.4 | 30.6 | 32.1 | 30.9 | 32.3 | 32.5 |
| 3H | 31.6 | 33.0 | 31.9 | 33.2 | 33.5 | 31.8 | 33.1 | 32.0 | 33.4 | 33.6 |
| 4H | 31.8 | 33.1 | 32.1 | 33.3 | 33.6 | 32.0 | 33.3 | 32.3 | 33.5 | 33.8 |
| 6H | 31.8 | 33.0 | 32.1 | 33.3 | 33.5 | 32.0 | 33.2 | 32.3 | 33.5 | 33.7 |
| 8H | 31.7 | 32.9 | 32.0 | 33.2 | 33.5 | 31.9 | 33.1 | 32.3 | 33.4 | 33.7 |
| 12H | 31.7 | 32.8 | 32.0 | 33.1 | 33.4 | 31.9 | 33.0 | 32.2 | 33.3 | 33.6 |
| 4H 2H | 31.1 | 32.4 | 31.4 | 32.6 | 32.9 | 31.2 | 32.5 | 31.5 | 32.7 | 33.0 |
| 3H | 32.2 | 33.4 | 32.6 | 33.7 | 34.0 | 32.4 | 33.5 | 32.7 | 33.8 | 34.1 |
| 4H | 32.4 | 33.5 | 32.8 | 33.8 | 34.1 | 32.6 | 33.6 | 33.0 | 34.0 | 34.3 |
| 6H | 32.4 | 33.4 | 32.8 | 33.7 | 34.1 | 32.7 | 33.6 | 33.0 | 33.9 | 34.3 |
| 8H | 32.4 | 33.3 | 32.8 | 33.6 | 34.0 | 32.6 | 33.5 | 33.0 | 33.8 | 34.2 |
| 12H | 32.4 | 33.2 | 32.8 | 33.5 | 33.9 | 32.6 | 33.4 | 33.0 | 33.8 | 34.2 |
| 8H 4H | 32.5 | 33.3 | 32.9 | 33.7 | 34.1 | 32.6 | 33.5 | 33.0 | 33.8 | 34.2 |
| 6H | 32.5 | 33.2 | 32.9 | 33.6 | 34.0 | 32.7 | 33.4 | 33.1 | 33.8 | 34.2 |
| 8H | 32.5 | 33.1 | 32.9 | 33.5 | 34.0 | 32.7 | 33.3 | 33.1 | 33.7 | 34.2 |
| 12H | 32.4 | 33.0 | 32.9 | 33.4 | 33.9 | 32.6 | 33.2 | 33.1 | 33.6 | 34.1 |
| 12H 4H | 32.4 | 33.2 | 32.8 | 33.6 | 34.0 | 32.6 | 33.4 | 33.0 | 33.7 | 34.1 |
| 6H | 32.5 | 33.1 | 32.9 | 33.5 | 33.9 | 32.6 | 33.3 | 33.1 | 33.7 | 34.1 |
| 8H | 32.4 | 33.0 | 32.9 | 33.4 | 33.9 | 32.6 | 33.2 | 33.1 | 33.6 | 34.1 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.3 / - 0.3 | | | | | + 0.3 / - 0.3 | | | | |
| 1.5H | + 0.3 / - 0.6 | | | | | + 0.3 / - 0.5 | | | | |
| 2.0H | + 0.3 / - 0.5 | | | | | + 0.4 / - 0.5 | | | | |

CIE Pub.117, 25080 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 11.2$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-10-24

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:

UTILIZATION FACTORS TABLE

| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.6978A P:150.7W PF:0.9848 Freq:50.01Hz Lamp Flux:25080.3x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-120D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: ϕ 263mm | Shielding Angle: |

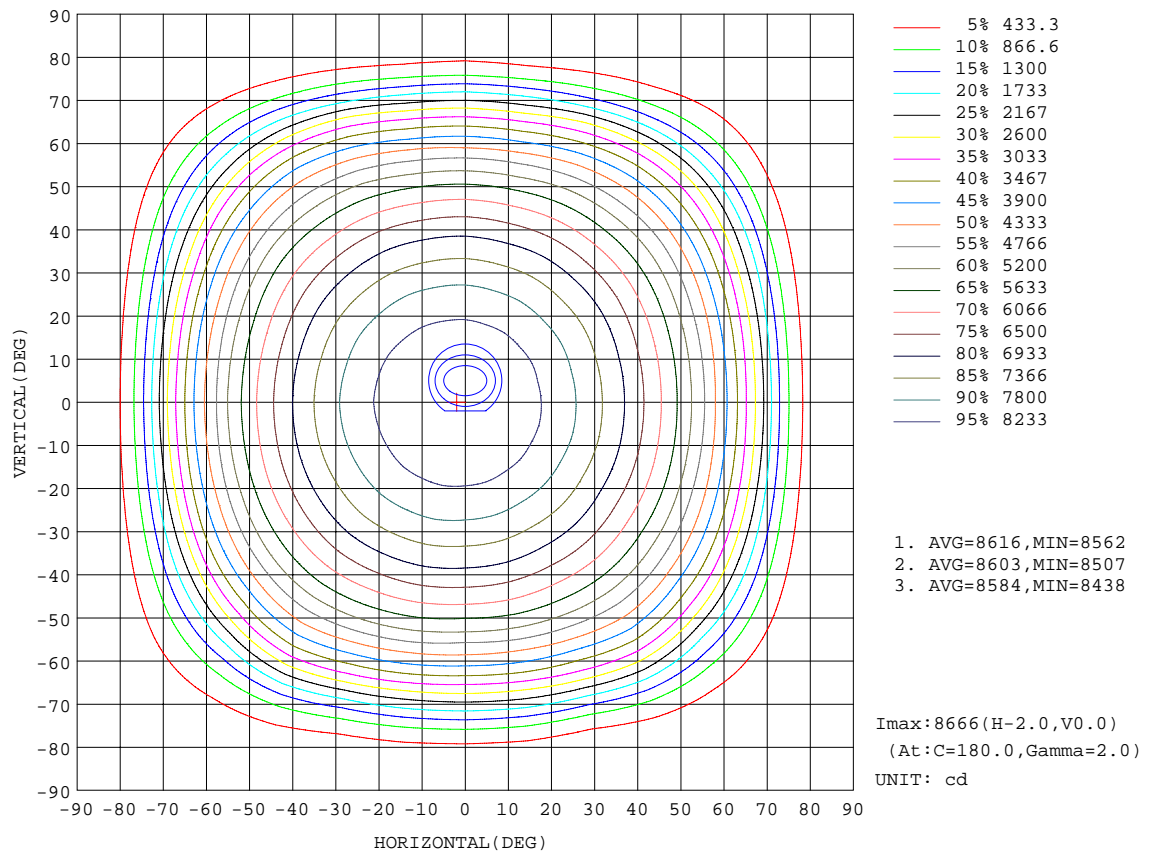
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 58 | 46 | 39 | 57 | 46 | 39 | 56 | 45 | 39 | 32 |
| 0.80 | 68 | 56 | 49 | 67 | 56 | 49 | 65 | 55 | 49 | 42 |
| 1.00 | 77 | 66 | 59 | 76 | 65 | 59 | 73 | 67 | 58 | 51 |
| 1.25 | 84 | 74 | 67 | 83 | 73 | 67 | 80 | 72 | 66 | 59 |
| 1.50 | 89 | 80 | 73 | 88 | 79 | 72 | 85 | 77 | 71 | 64 |
| 2.00 | 96 | 88 | 82 | 94 | 87 | 81 | 91 | 85 | 80 | 72 |
| 2.50 | 100 | 93 | 87 | 98 | 91 | 86 | 94 | 89 | 84 | 76 |
| 3.00 | 103 | 97 | 92 | 101 | 95 | 91 | 97 | 93 | 89 | 80 |
| 4.00 | 107 | 102 | 98 | 105 | 100 | 96 | 101 | 97 | 94 | 85 |
| 5.00 | 110 | 105 | 101 | 107 | 103 | 100 | 103 | 100 | 97 | 88 |
| 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:2024-10-24

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:

ISOCANDELA DIAGRAM

| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.6978A P:150.7W PF:0.9848 Freq:50.01Hz Lamp Flux:25080.3x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-120D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: ϕ 263mm | Shielding Angle: |

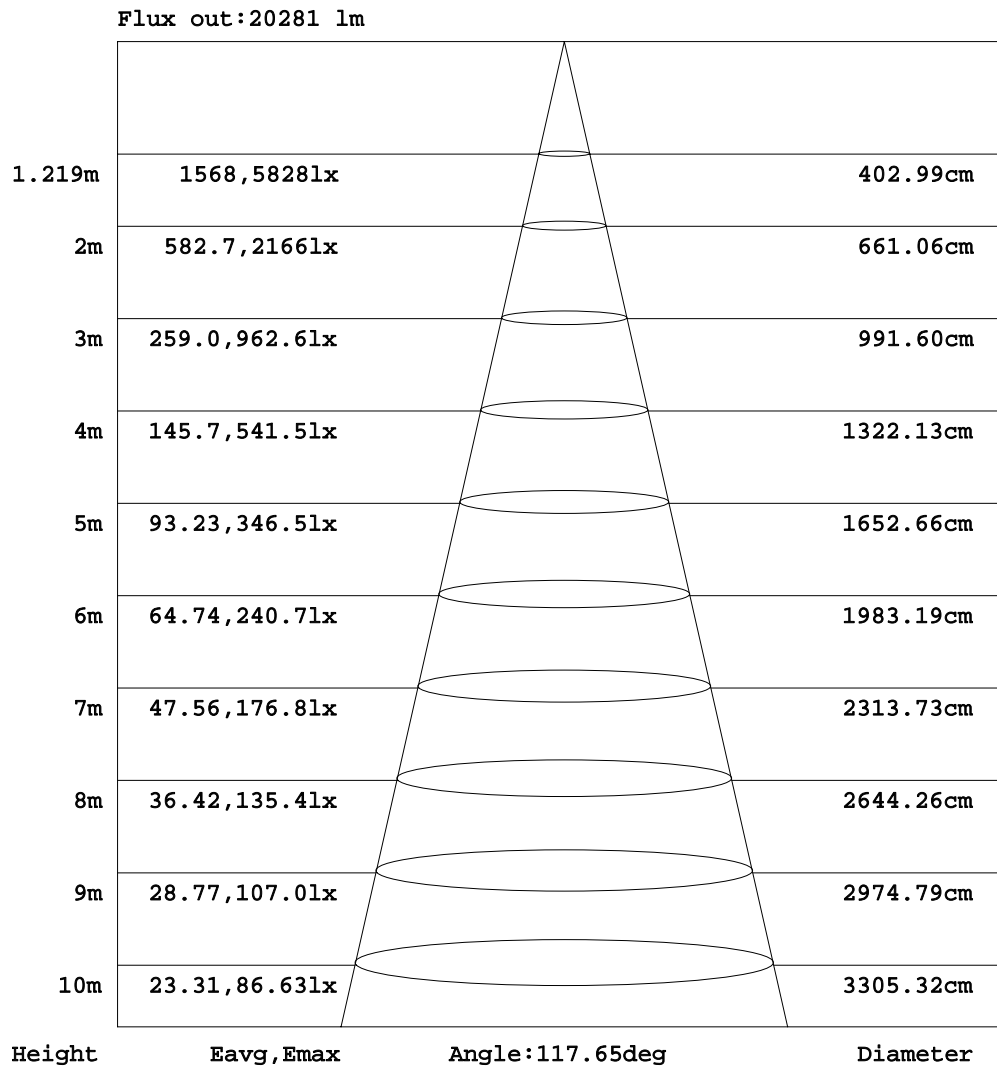


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-10-24

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:

AAI Figure

| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.6978A P:150.7W PF:0.9848 Freq:50.01Hz Lamp Flux:25080.3x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-120D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |



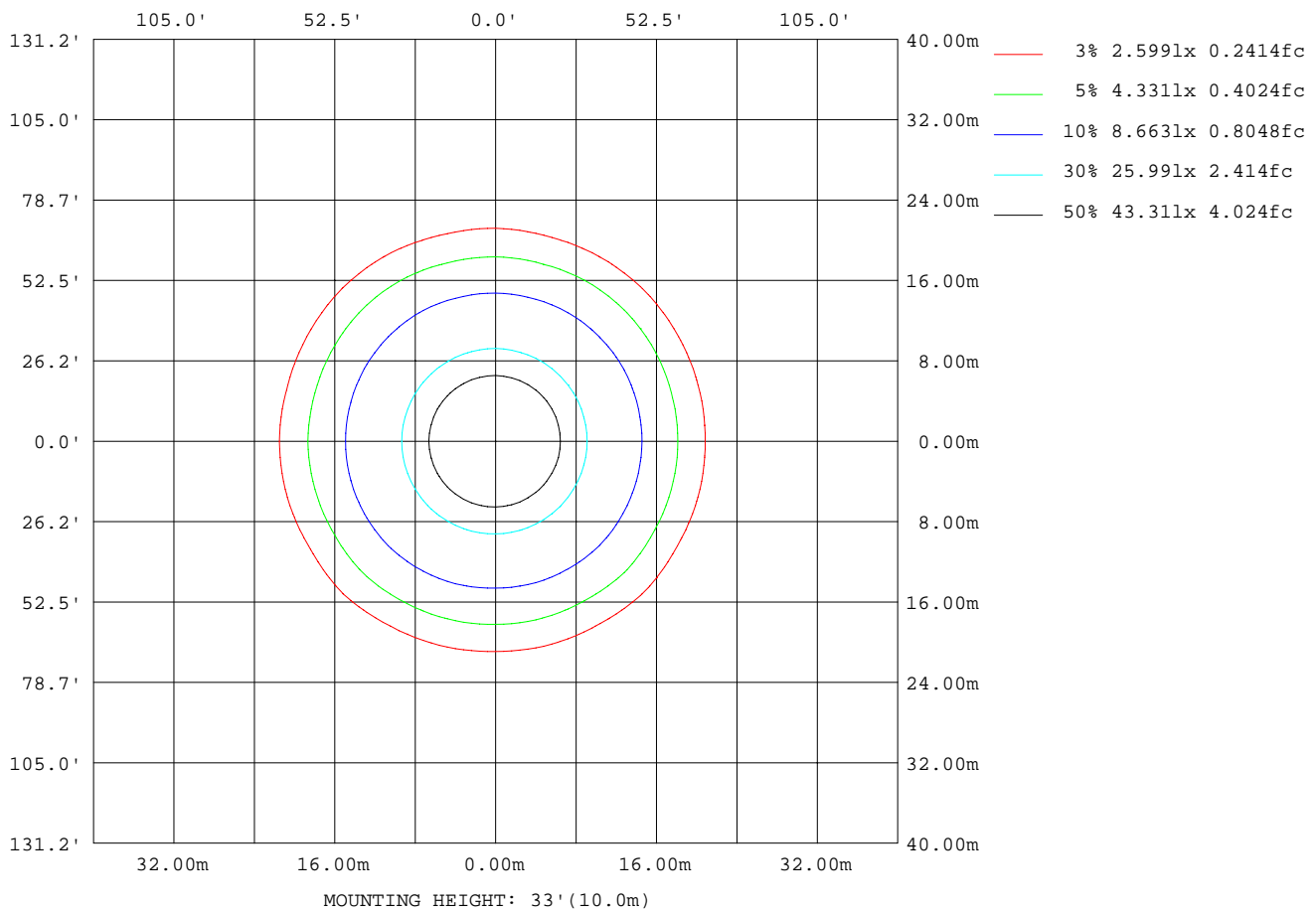
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-10-24

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:

ISOLUX DIAGRAM

| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.6978A P:150.7W PF:0.9848 Freq:50.01Hz Lamp Flux:25080.3x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-120D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ 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:0.6978A P:150.7W PF:0.9848 Freq:50.01Hz Lamp Flux:25080.3x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-120D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |

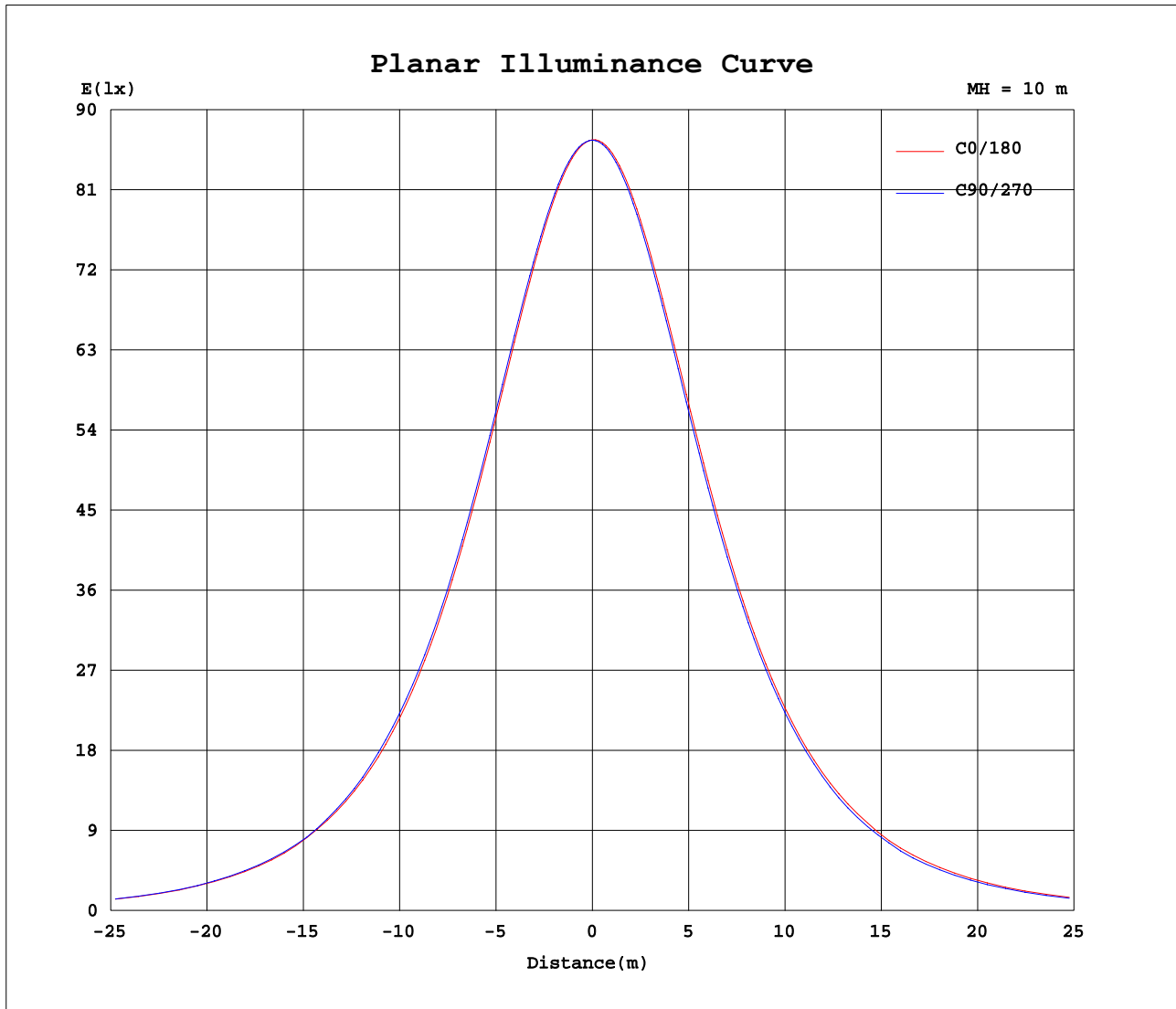
| AvgL | cd/m2 |
|------------------|--------|
| L_0~180 (65) av | 142336 |
| L_0~180 (75) av | 74046 |
| L_0~180 (85) av | 10694 |
| L_90~270 (65) av | 139668 |
| L_90~270 (75) av | 73185 |
| L_90~270 (85) av | 9287 |
| L_45 (65) av | 145854 |
| L_45 (75) av | 68448 |
| L_45 (85) av | 9829 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-10-24

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-10-24

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.6978A P:150.7W PF:0.9848 Freq:50.01Hz Lamp Flux:25080.3x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-120D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: ϕ 263mm | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 | 8658 |
| 5 | 8608 | 8610 | 8612 | 8618 | 8621 | 8628 | 8631 | 8637 | 8641 | 8646 | 8646 | 8649 | 8650 | 8647 | 8646 | 8642 | 8637 | 8631 | 8628 |
| 10 | 8501 | 8506 | 8508 | 8521 | 8525 | 8540 | 8546 | 8560 | 8566 | 8577 | 8578 | 8583 | 8586 | 8579 | 8577 | 8566 | 8560 | 8546 | 8540 |
| 15 | 8337 | 8346 | 8347 | 8366 | 8374 | 8395 | 8406 | 8426 | 8434 | 8451 | 8453 | 8461 | 8463 | 8452 | 8449 | 8435 | 8427 | 8405 | 8396 |
| 20 | 8116 | 8128 | 8128 | 8151 | 8162 | 8190 | 8205 | 8233 | 8242 | 8265 | 8266 | 8280 | 8283 | 8271 | 8265 | 8244 | 8232 | 8205 | 8193 |
| 25 | 7839 | 7852 | 7848 | 7876 | 7887 | 7923 | 7942 | 7979 | 7992 | 8020 | 8022 | 8038 | 8041 | 8022 | 8018 | 7992 | 7979 | 7945 | 7931 |
| 30 | 7499 | 7513 | 7506 | 7538 | 7552 | 7595 | 7617 | 7665 | 7682 | 7716 | 7718 | 7736 | 7738 | 7716 | 7710 | 7679 | 7666 | 7627 | 7612 |
| 35 | 7101 | 7111 | 7103 | 7141 | 7158 | 7209 | 7234 | 7286 | 7310 | 7349 | 7352 | 7372 | 7369 | 7343 | 7337 | 7305 | 7290 | 7251 | 7231 |
| 40 | 6640 | 6646 | 6637 | 6683 | 6707 | 6761 | 6787 | 6844 | 6870 | 6915 | 6919 | 6940 | 6935 | 6909 | 6902 | 6867 | 6852 | 6811 | 6793 |
| 45 | 6115 | 6121 | 6113 | 6166 | 6188 | 6252 | 6276 | 6334 | 6361 | 6413 | 6416 | 6441 | 6437 | 6408 | 6404 | 6364 | 6351 | 6307 | 6288 |
| 50 | 5521 | 5529 | 5523 | 5578 | 5601 | 5651 | 5648 | 5747 | 5781 | 5836 | 5842 | 5871 | 5869 | 5841 | 5841 | 5801 | 5784 | 5730 | 5710 |
| 55 | 4846 | 4818 | 4853 | 4916 | 4898 | 4937 | 4889 | 5019 | 5098 | 5174 | 5182 | 5190 | 5217 | 5173 | 5192 | 5161 | 5145 | 5036 | 5007 |
| 60 | 4010 | 4017 | 4029 | 4149 | 4068 | 4082 | 4102 | 4158 | 4243 | 4389 | 4344 | 4363 | 4408 | 4358 | 4387 | 4416 | 4360 | 4225 | 4175 |
| 65 | 3065 | 3101 | 3081 | 3211 | 3123 | 3132 | 3123 | 3193 | 3276 | 3459 | 3361 | 3450 | 3470 | 3415 | 3452 | 3507 | 3450 | 3301 | 3290 |
| 70 | 1973 | 1924 | 1836 | 2002 | 1935 | 2040 | 2069 | 2064 | 2070 | 2238 | 2126 | 2247 | 2396 | 2299 | 2280 | 2324 | 2317 | 2154 | 2166 |
| 75 | 876 | 865 | 787 | 856 | 790 | 961 | 1035 | 1012 | 963 | 1049 | 1018 | 1128 | 1206 | 1186 | 1117 | 1100 | 1061 | 1017 | 1023 |
| 80 | 266 | 272 | 209 | 265 | 198 | 337 | 356 | 353 | 280 | 359 | 327 | 407 | 433 | 390 | 347 | 323 | 323 | 320 | 359 |
| 85 | 20.5 | 21.7 | 22.2 | 25.6 | 24.4 | 41.6 | 46.0 | 64.6 | 44.4 | 87.8 | 65.3 | 90.2 | 80.7 | 72.6 | 51.8 | 50.6 | 34.3 | 33.9 | 41.9 |
| 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:2024-10-24

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------------|------------------|
| Test:U:219.3V I:0.6978A P:150.7W PF:0.9848 Freq:50.01Hz Lamp Flux:25080.3x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-120D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.:Φ263mm | Shielding Angle: |

Table--2

UNIT: cd

| C (DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 8658 | 8658 | 8658 | 8658 | 8658 | | | | | | | | | | | | | | |
| 5 | 8621 | 8618 | 8612 | 8612 | 8608 | | | | | | | | | | | | | | |
| 10 | 8527 | 8522 | 8511 | 8511 | 8502 | | | | | | | | | | | | | | |
| 15 | 8376 | 8369 | 8355 | 8353 | 8340 | | | | | | | | | | | | | | |
| 20 | 8167 | 8160 | 8139 | 8136 | 8122 | | | | | | | | | | | | | | |
| 25 | 7898 | 7889 | 7863 | 7861 | 7841 | | | | | | | | | | | | | | |
| 30 | 7574 | 7563 | 7531 | 7529 | 7507 | | | | | | | | | | | | | | |
| 35 | 7188 | 7173 | 7139 | 7135 | 7110 | | | | | | | | | | | | | | |
| 40 | 6744 | 6726 | 6689 | 6681 | 6651 | | | | | | | | | | | | | | |
| 45 | 6237 | 6218 | 6172 | 6162 | 6131 | | | | | | | | | | | | | | |
| 50 | 5659 | 5636 | 5584 | 5573 | 5538 | | | | | | | | | | | | | | |
| 55 | 4951 | 4973 | 4918 | 4906 | 4851 | | | | | | | | | | | | | | |
| 60 | 4109 | 4163 | 4143 | 4103 | 4037 | | | | | | | | | | | | | | |
| 65 | 3194 | 3216 | 3216 | 3153 | 3117 | | | | | | | | | | | | | | |
| 70 | 2064 | 2041 | 1987 | 1937 | 1936 | | | | | | | | | | | | | | |
| 75 | 949 | 889 | 844 | 842 | 836 | | | | | | | | | | | | | | |
| 80 | 292 | 261 | 258 | 250 | 253 | | | | | | | | | | | | | | |
| 85 | 25.5 | 22.8 | 22.1 | 22.2 | 19.6 | | | | | | | | | | | | | | |
| 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:2024-10-24

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: