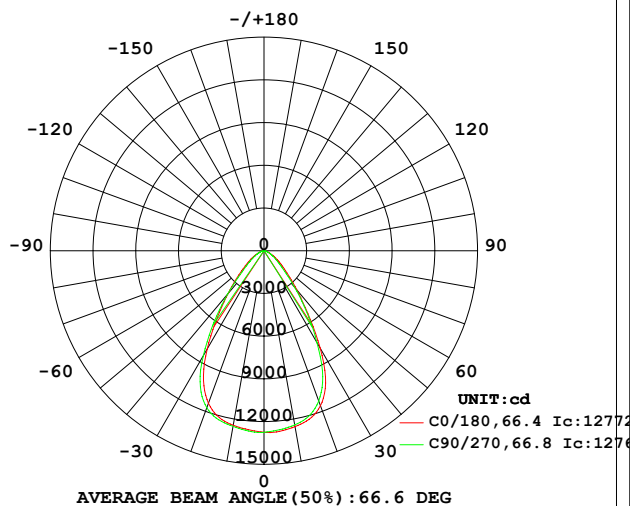


LUMINAIRE PHOTOMETRIC TEST REPORT

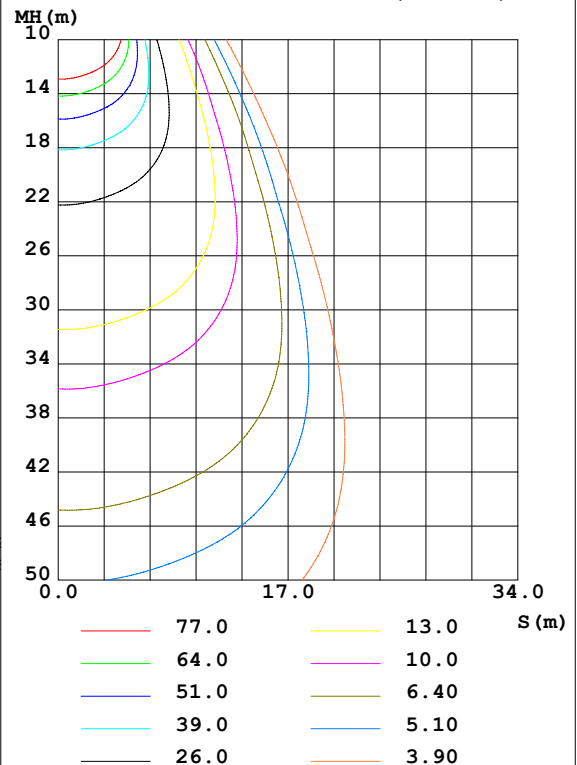
| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.4728A P:101.0W PF:0.9738 Freq:50.00Hz Lamp Flux:16693x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-100WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 165.30 lm/W | | | |
|-------------------|-------|-----------------------------------|--------|-------------------------|----------|
| MODEL | 2835 | I _{max} (cd) | 12783 | S/MH (C0/180) | 0.99 |
| NOMINAL POWER (W) | 100 | LOR (%) | 100.0 | S/MH (C90/270) | 1.01 |
| RATED VOLTAGE (V) | 220 | TOTAL FLUX (lm) | 16693 | η UP,DN (C0-180) | 0.0,48.8 |
| NOMINAL FLUX (lm) | 16693 | CIE CLASS | DIRECT | η UP,DN (C180-360) | 0.0,51.2 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 1.00 |
| TEST VOLTAGE (V) | 220 | η down (%) | 100.0 | CIBSE SHR MAX | 1.05 |

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:2024-10-30

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 | 1254 | 1253 | 1242 | 1235 | 1244 | 1250 | 1252 | 1251 | 0- 10 | 1203 | 1203 | 7.2,7.2 |
| 20 | 1159 | 1151 | 1124 | 1114 | 1140 | 1167 | 1174 | 1161 | 10- 20 | 3418 | 4620 | 27.7,27.7 |
| 30 | 790.0 | 761.9 | 746.0 | 762.1 | 799.6 | 850.0 | 853.5 | 814.6 | 20- 30 | 4579 | 9199 | 55.1,55.1 |
| 40 | 360.0 | 346.7 | 335.0 | 395.7 | 391.8 | 384.1 | 397.4 | 406.3 | 30- 40 | 3544 | 12743 | 76.3,76.3 |
| 50 | 169.6 | 172.5 | 139.3 | 200.4 | 181.9 | 173.1 | 154.4 | 191.6 | 40- 50 | 2012 | 14755 | 88.4,88.4 |
| 60 | 80.86 | 84.42 | 66.39 | 98.50 | 88.15 | 86.92 | 72.49 | 91.30 | 50- 60 | 1146 | 15902 | 95.3,95.3 |
| 70 | 30.88 | 32.93 | 27.37 | 38.61 | 35.79 | 35.02 | 30.21 | 34.09 | 60- 70 | 563.8 | 16465 | 98.6,98.6 |
| 80 | 7.428 | 6.807 | 7.926 | 8.656 | 9.653 | 7.714 | 8.162 | 7.050 | 70- 80 | 199.8 | 16665 | 99.8,99.8 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 27.79 | 16693 | 100,100 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 16693 | 100,100 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 16693 | 100,100 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 16693 | 100,100 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 16693 | 100,100 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 16693 | 100,100 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 16693 | 100,100 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 16693 | 100,100 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 16693 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 16693 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 13894 lm

%lum = 83.2%

%lamp = 83.2%

Conical surface Flux(120deg): 15902 lm

%lum = 95.3%

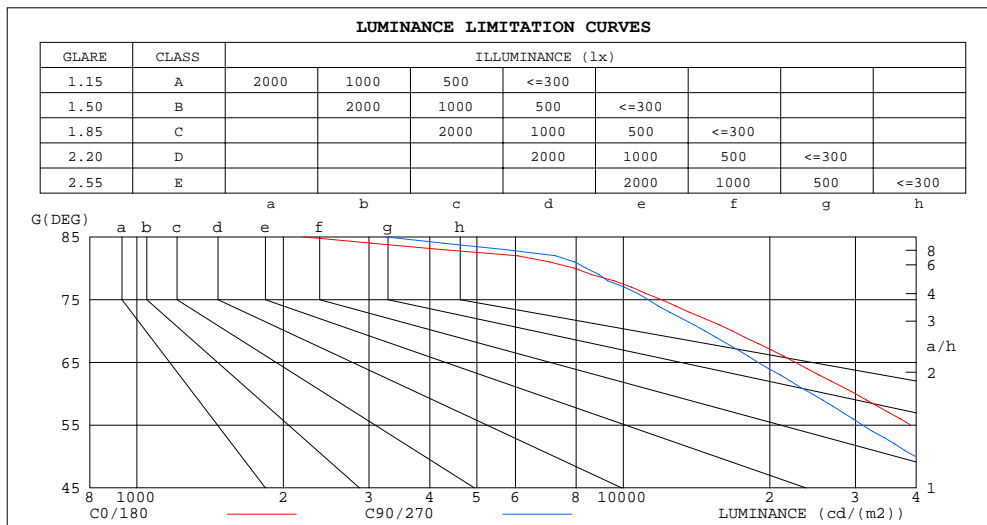
%lamp = 95.3%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-10-30

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:0.4728A P:101.0W PF:0.9738 Freq:50.00Hz Lamp Flux:16693x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-100WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: ϕ 263mm | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 2195 | 3242 |
| 80 | 7937 | 8390 |
| 75 | 11972 | 11245 |
| 70 | 16752 | 14709 |
| 65 | 22569 | 18905 |
| 60 | 30006 | 24406 |
| 55 | 38971 | 31011 |
| 50 | 48941 | 39838 |
| 45 | 63439 | 53845 |

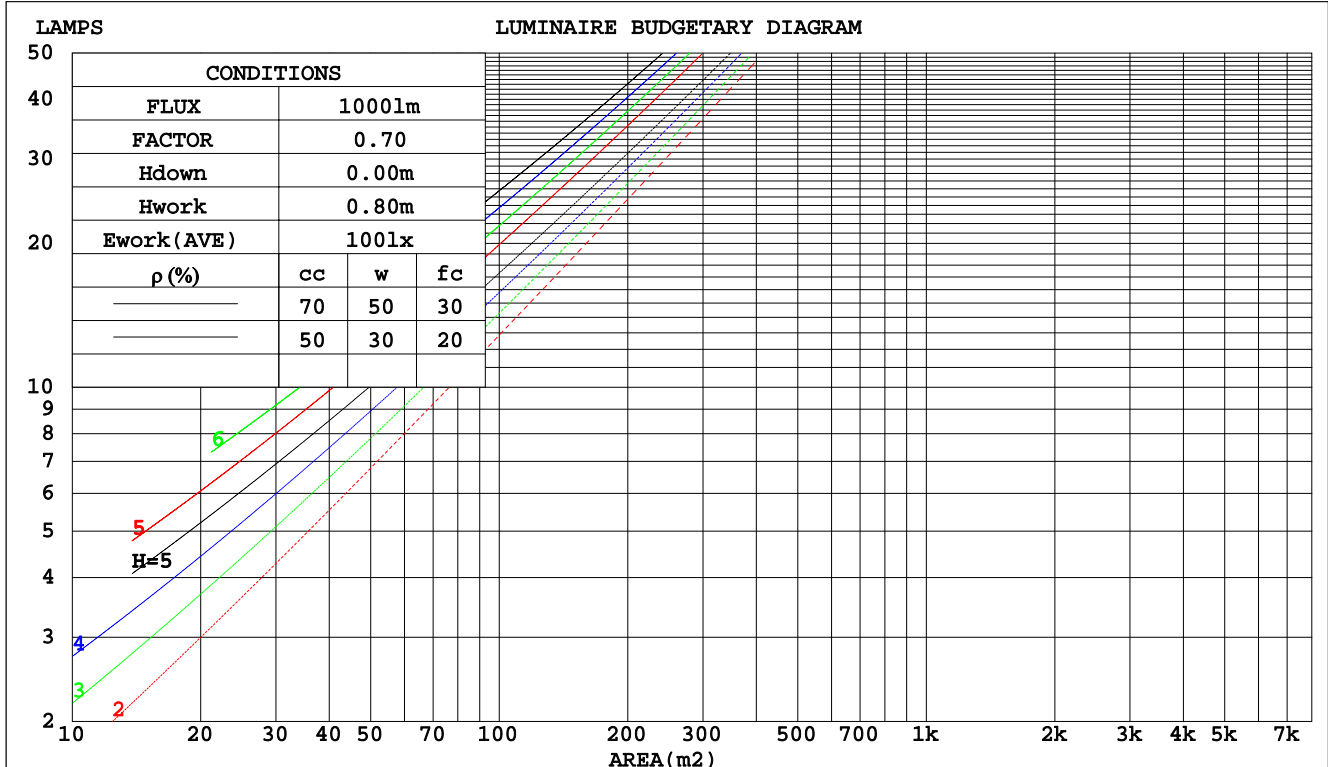
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-10-30

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:0.4728A P:101.0W PF:0.9738 Freq:50.00Hz Lamp Flux:16693x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-100WHBE-NV-L2-00-5080-60D-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 | 1.09 | 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 | .47 | .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: 2024-10-30

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:0.4728A P:101.0W PF:0.9738 Freq:50.00Hz Lamp Flux:16693x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-100WHBE-NV-L2-00-5080-60D-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 | .212 | .121 | .038 | .205 | .117 | .037 | .192 | .110 | .035 | .181 | .104 | .033 | .170 | .098 | .032 | | |
| 2.0 | .205 | .112 | .034 | .199 | .110 | .034 | .188 | .105 | .033 | .178 | .100 | .031 | .169 | .096 | .030 | | |
| 3.0 | .195 | .104 | .031 | .190 | .102 | .031 | .181 | .098 | .030 | .172 | .094 | .029 | .164 | .091 | .028 | | |
| 4.0 | .185 | .096 | .028 | .181 | .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 | .142 | .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:2024-10-30

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:0.4728A P:101.0W PF:0.9738 Freq:50.00Hz Lamp Flux:16693x1 lm | | | | | | | | | | | |
| NAME: AOK HBE | | | | | TYPE: | | | WEIGHT: | | | |
| SPEC.:AOK-100WHBE-NV-L2-00-5080-60D-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 | 23.6 | 24.8 | 23.9 | 24.9 | 25.1 | 23.6 | 24.7 | 23.8 | 24.9 | 25.1 | |
| | 3H | 23.9 | 24.9 | 24.2 | 25.1 | 25.4 | 23.8 | 24.9 | 24.1 | 25.1 | 25.3 |
| | 4H | 23.9 | 24.9 | 24.2 | 25.1 | 25.4 | 23.8 | 24.8 | 24.1 | 25.1 | 25.3 |
| | 6H | 23.9 | 24.8 | 24.2 | 25.1 | 25.3 | 23.8 | 24.7 | 24.1 | 25.0 | 25.3 |
| | 8H | 23.9 | 24.8 | 24.2 | 25.0 | 25.3 | 23.8 | 24.7 | 24.1 | 24.9 | 25.2 |
| | 12H | 23.8 | 24.7 | 24.1 | 24.9 | 25.2 | 23.7 | 24.6 | 24.1 | 24.9 | 25.2 |
| 4H | 2H | 23.7 | 24.7 | 24.0 | 24.9 | 25.2 | 23.7 | 24.7 | 23.9 | 24.9 | 25.1 |
| | 3H | 24.1 | 24.9 | 24.4 | 25.2 | 25.5 | 24.0 | 24.9 | 24.3 | 25.1 | 25.4 |
| | 4H | 24.1 | 24.9 | 24.5 | 25.2 | 25.5 | 24.1 | 24.9 | 24.5 | 25.2 | 25.5 |
| | 6H | 24.1 | 24.8 | 24.5 | 25.2 | 25.5 | 24.1 | 24.8 | 24.5 | 25.1 | 25.5 |
| | 8H | 24.1 | 24.7 | 24.5 | 25.1 | 25.5 | 24.1 | 24.7 | 24.5 | 25.1 | 25.4 |
| | 12H | 24.1 | 24.6 | 24.5 | 25.0 | 25.4 | 24.1 | 24.6 | 24.5 | 25.0 | 25.4 |
| 8H | 4H | 24.1 | 24.7 | 24.5 | 25.1 | 25.4 | 24.0 | 24.7 | 24.4 | 25.0 | 25.4 |
| | 6H | 24.1 | 24.6 | 24.5 | 25.0 | 25.4 | 24.1 | 24.6 | 24.5 | 25.0 | 25.4 |
| | 8H | 24.1 | 24.5 | 24.5 | 25.0 | 25.4 | 24.1 | 24.5 | 24.5 | 24.9 | 25.4 |
| | 12H | 24.1 | 24.4 | 24.5 | 24.9 | 25.4 | 24.0 | 24.4 | 24.5 | 24.9 | 25.3 |
| 12H | 4H | 24.0 | 24.6 | 24.5 | 25.0 | 25.4 | 24.0 | 24.6 | 24.4 | 25.0 | 25.3 |
| | 6H | 24.1 | 24.5 | 24.5 | 24.9 | 25.4 | 24.0 | 24.5 | 24.5 | 24.9 | 25.4 |
| | 8H | 24.1 | 24.4 | 24.5 | 24.9 | 25.4 | 24.0 | 24.4 | 24.5 | 24.9 | 25.3 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 1.1 / - 1.7 | | | | | + 1.0 / - 1.9 | | | | | |
| 1.5H | + 1.7 / - 1.5 | | | | | + 1.4 / - 1.7 | | | | | |
| 2.0H | + 2.1 / - 2.4 | | | | | + 1.8 / - 2.3 | | | | | |

CIE Pub.117, 16693 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.8$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-10-30

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:0.4728A P:101.0W PF:0.9738 Freq:50.00Hz Lamp Flux:16693x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-100WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |

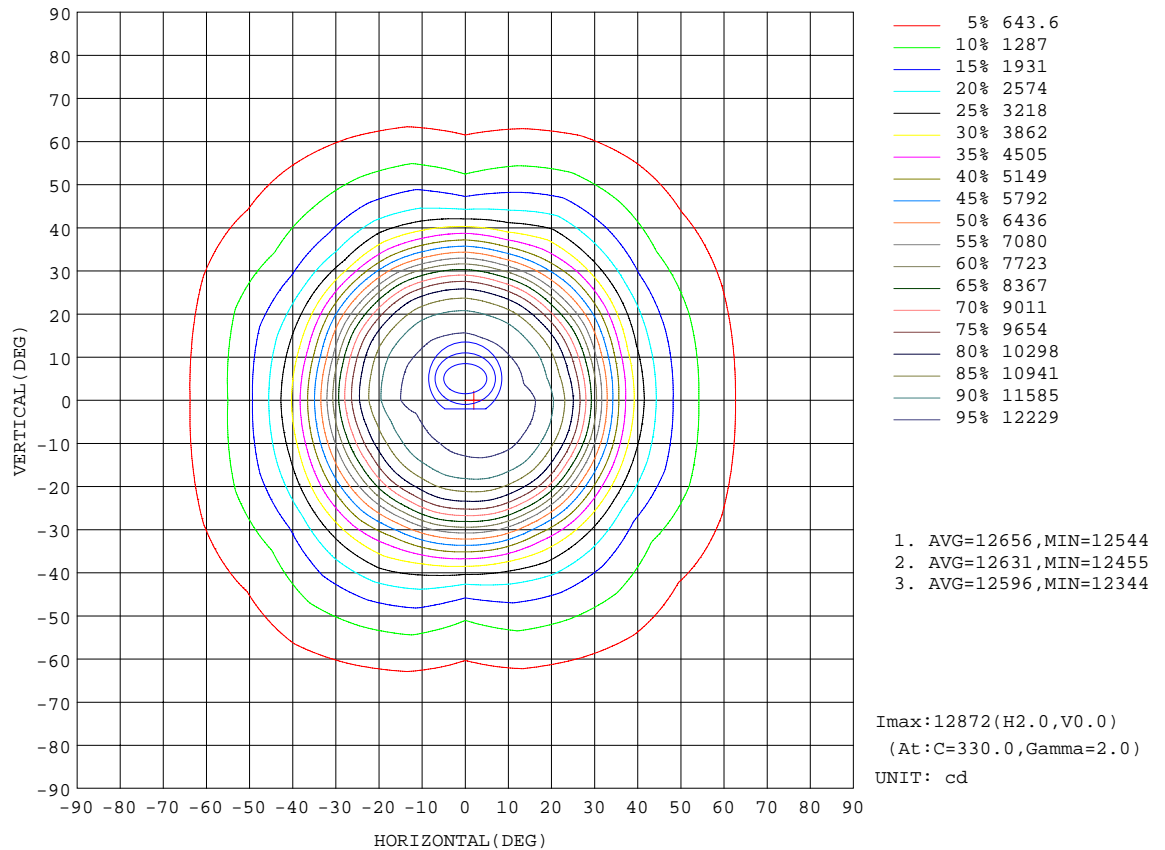
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 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 | 79 | 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 | 93 |
| 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:2024-10-30

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:

ISOCANDELA DIAGRAM

| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.4728A P:101.0W PF:0.9738 Freq:50.00Hz Lamp Flux:16693x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-100WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: ϕ 263mm | Shielding Angle: |

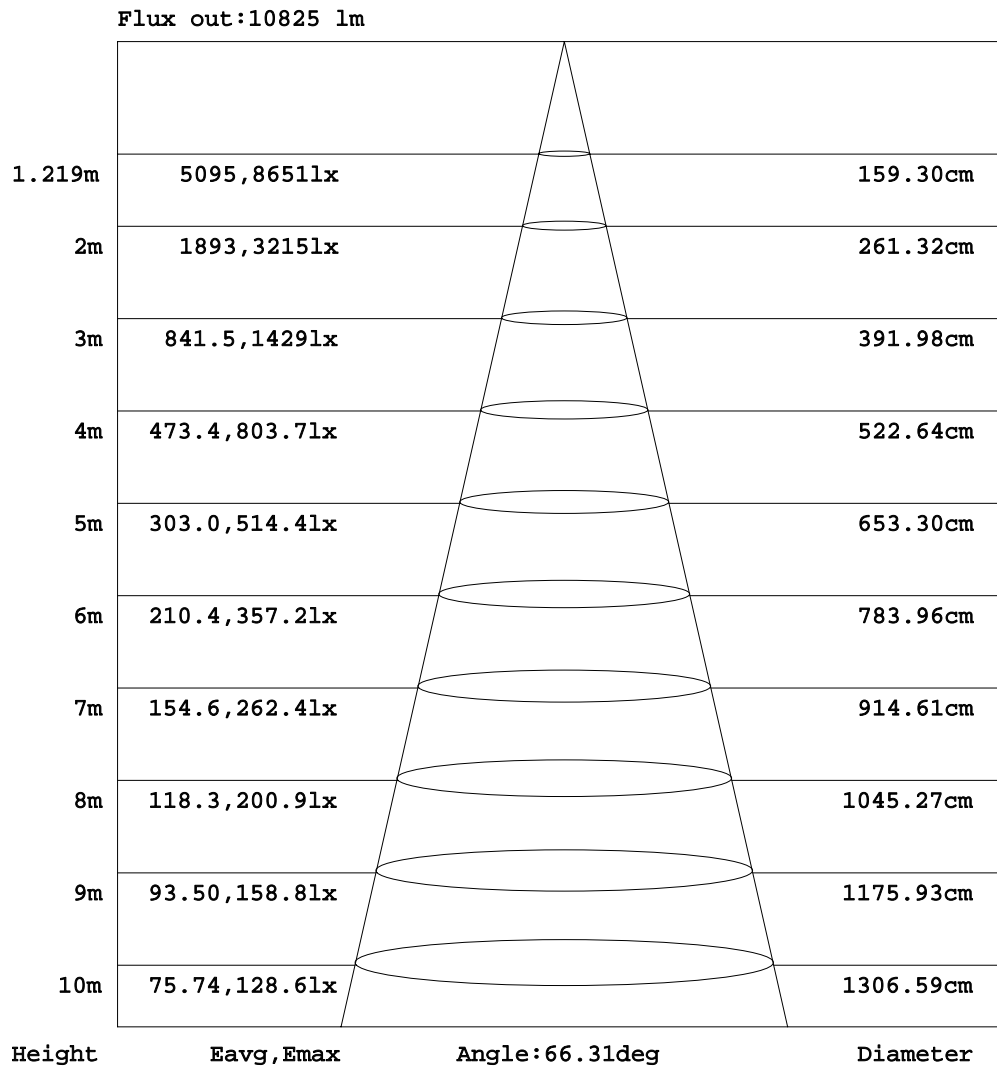


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-10-30

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:0.4728A P:101.0W PF:0.9738 Freq:50.00Hz Lamp Flux:16693x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-100WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |



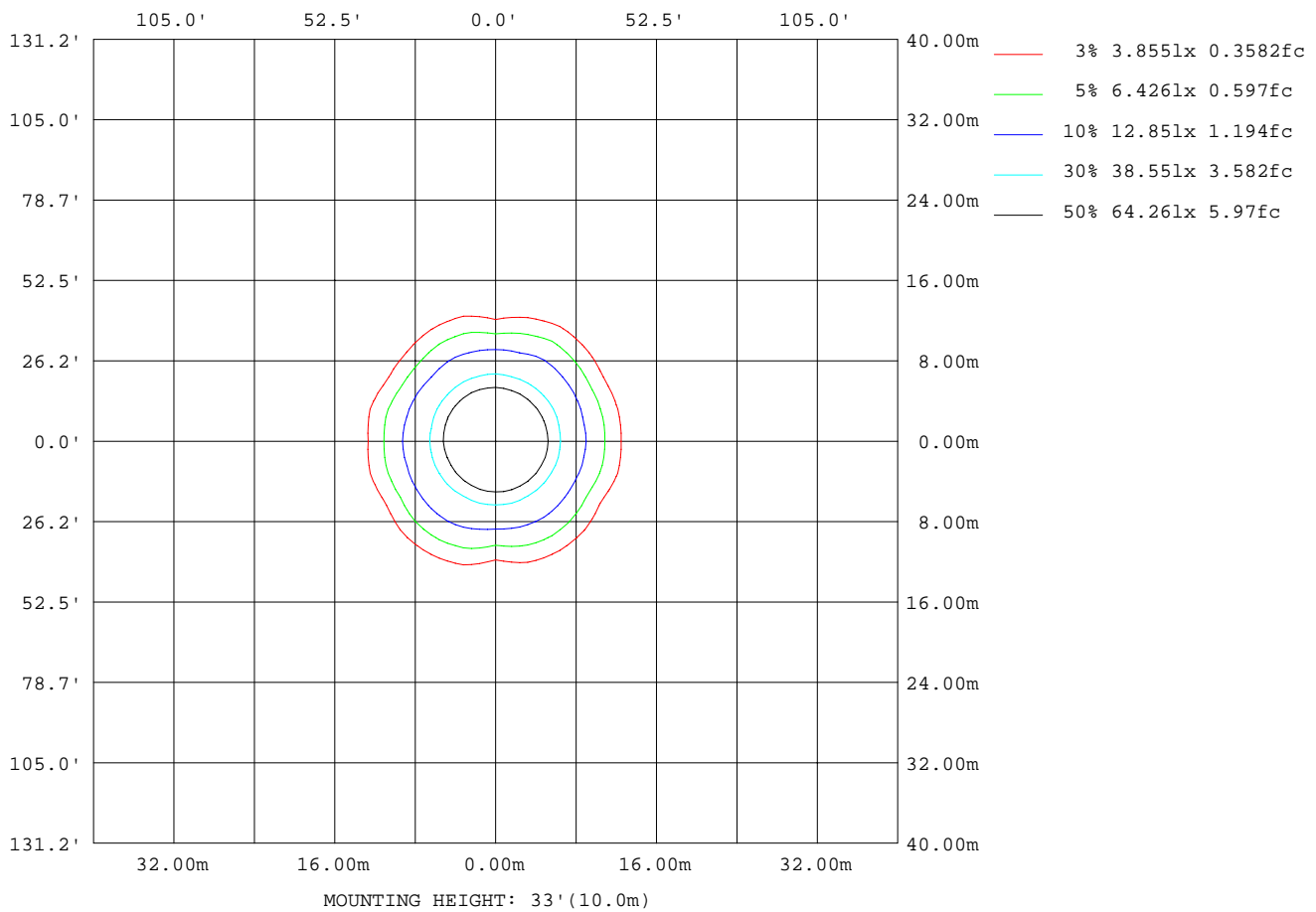
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: yanyonggeng
 Test Date: 2024-10-30

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:0.4728A P:101.0W PF:0.9738 Freq:50.00Hz Lamp Flux:16693x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-100WHBE-NV-L2-00-5080-60D-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:2024-10-30

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:

LED Avg.L Report

| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.4728A P:101.0W PF:0.9738 Freq:50.00Hz Lamp Flux:16693x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-100WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |

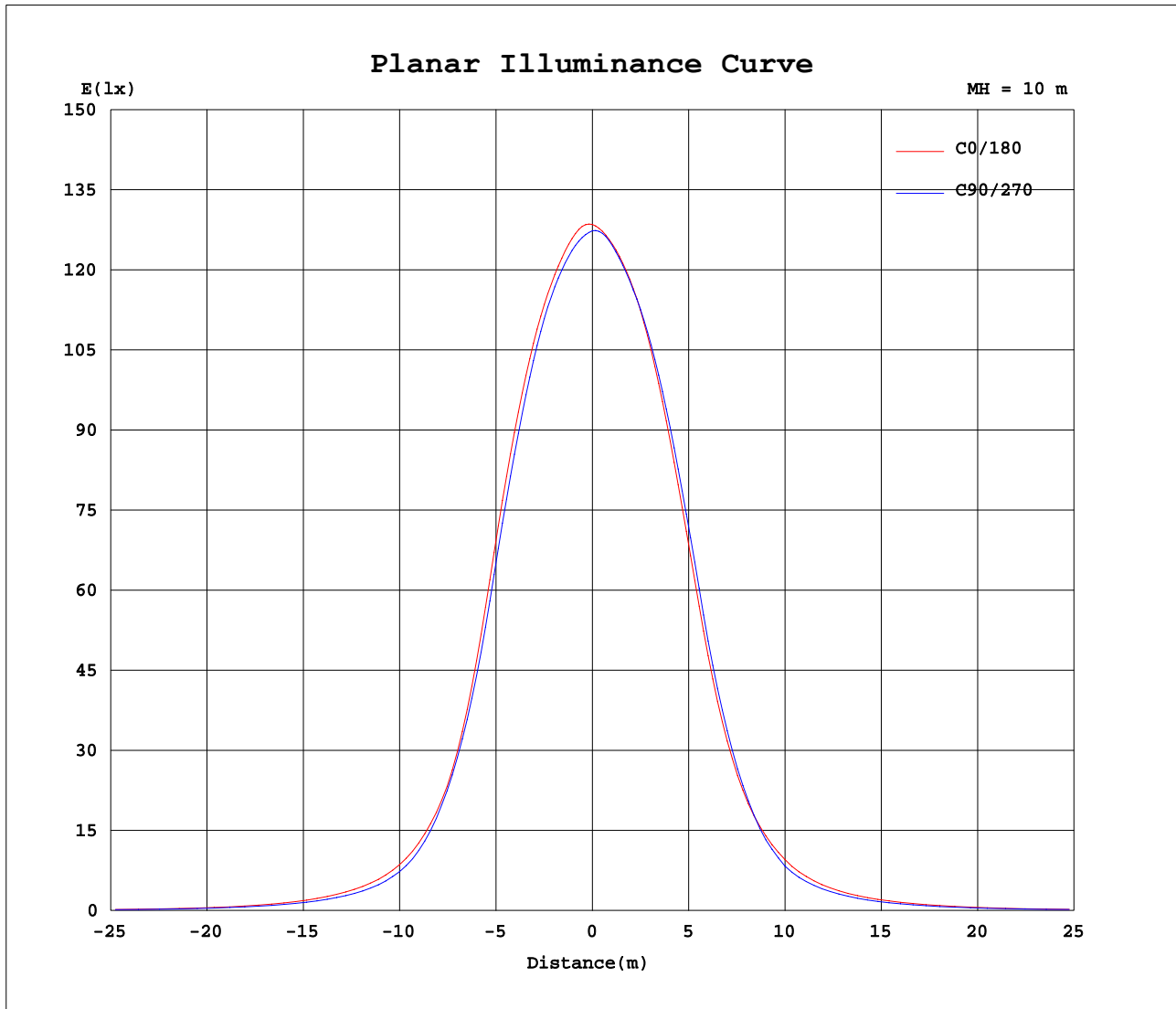
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 23691 |
| L_0~180 (75) av | 13051 |
| L_0~180 (85) av | 3514 |
| L_90~270 (65) av | 19848 |
| L_90~270 (75) av | 11800 |
| L_90~270 (85) av | 3357 |
| L_45 (65) av | 25371 |
| L_45 (75) av | 12305 |
| L_45 (85) av | 4407 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-10-30

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: 2024-10-30

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:0.4728A P:101.0W PF:0.9738 Freq:50.00Hz Lamp Flux:16693x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-100WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: ϕ 263mm | Shielding Angle: |

Table--1

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

| C (DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 | 1275 |
| 5 | 1273 | 1272 | 1270 | 1268 | 1266 | 1264 | 1262 | 1260 | 1259 | 1258 | 1258 | 1258 | 1261 | 1262 | 1264 | 1265 | 1268 | 1269 | 1271 |
| 10 | 1254 | 1255 | 1254 | 1253 | 1250 | 1246 | 1242 | 1239 | 1236 | 1235 | 1236 | 1238 | 1244 | 1246 | 1249 | 1250 | 1252 | 1252 | 1252 |
| 15 | 1226 | 1226 | 1224 | 1224 | 1217 | 1212 | 1205 | 1202 | 1197 | 1198 | 1198 | 1203 | 1213 | 1217 | 1223 | 1225 | 1229 | 1228 | 1229 |
| 20 | 1159 | 1159 | 1152 | 1151 | 1141 | 1135 | 1124 | 1121 | 1112 | 1114 | 1114 | 1125 | 1140 | 1149 | 1162 | 1167 | 1176 | 1174 | 1174 |
| 25 | 1024 | 1022 | 1008 | 1006 | 991 | 989 | 977 | 977 | 966 | 974 | 973 | 989 | 1006 | 1017 | 1041 | 1049 | 1064 | 1059 | 1057 |
| 30 | 790 | 783 | 763 | 762 | 751 | 754 | 746 | 752 | 746 | 762 | 768 | 783 | 800 | 808 | 840 | 850 | 867 | 858 | 854 |
| 35 | 538 | 538 | 527 | 527 | 510 | 524 | 523 | 530 | 533 | 564 | 569 | 575 | 573 | 572 | 599 | 605 | 616 | 609 | 613 |
| 40 | 360 | 347 | 342 | 347 | 354 | 339 | 335 | 358 | 391 | 396 | 400 | 390 | 392 | 385 | 391 | 384 | 408 | 401 | 397 |
| 45 | 242 | 240 | 220 | 240 | 248 | 233 | 207 | 255 | 280 | 280 | 261 | 269 | 268 | 267 | 248 | 245 | 274 | 267 | 236 |
| 50 | 170 | 174 | 151 | 172 | 178 | 171 | 139 | 183 | 199 | 200 | 177 | 192 | 182 | 191 | 167 | 173 | 191 | 191 | 154 |
| 55 | 120 | 124 | 105 | 124 | 126 | 124 | 96.8 | 132 | 141 | 144 | 124 | 139 | 128 | 139 | 117 | 124 | 135 | 136 | 106 |
| 60 | 80.9 | 84.0 | 70.7 | 84.4 | 85.4 | 84.7 | 66.4 | 90.2 | 96.2 | 98.5 | 83.4 | 96.4 | 88.1 | 95.8 | 80.0 | 86.9 | 92.3 | 93.8 | 72.5 |
| 65 | 51.4 | 53.4 | 46.5 | 54.7 | 54.9 | 54.1 | 43.5 | 57.2 | 61.4 | 63.6 | 54.0 | 62.1 | 57.4 | 61.7 | 53.2 | 56.8 | 59.9 | 59.6 | 47.7 |
| 70 | 30.9 | 32.0 | 28.4 | 32.9 | 32.7 | 32.8 | 27.4 | 34.4 | 36.7 | 38.6 | 33.1 | 37.6 | 35.8 | 37.4 | 33.4 | 35.0 | 36.8 | 35.8 | 30.2 |
| 75 | 16.7 | 17.1 | 15.7 | 15.7 | 17.4 | 17.7 | 15.8 | 18.7 | 19.7 | 19.1 | 18.5 | 20.7 | 20.0 | 20.5 | 18.6 | 17.8 | 19.7 | 19.3 | 17.3 |
| 80 | 7.43 | 7.25 | 6.41 | 6.81 | 6.47 | 7.95 | 7.93 | 8.76 | 8.10 | 8.66 | 8.17 | 9.62 | 9.65 | 9.17 | 7.80 | 7.71 | 7.92 | 8.24 | 8.16 |
| 85 | 1.03 | 1.28 | 1.48 | 1.76 | 1.56 | 1.59 | 1.54 | 2.11 | 2.37 | 2.77 | 2.45 | 2.31 | 2.30 | 2.03 | 2.11 | 2.29 | 2.03 | 1.63 | 1.64 |
| 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: 2024-10-30

 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:0.4728A P:101.0W PF:0.9738 Freq:50.00Hz Lamp Flux:16693x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-100WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |

Table--2

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

| C (DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|---------------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 1275 | 1275 | 1275 | 1275 | 1275 | | | | | | | | | | | | | | |
| 5 | 1271 | 1272 | 1272 | 1273 | 1272 | | | | | | | | | | | | | | |
| 10 | 1251 | 1252 | 1251 | 1252 | 1252 | | | | | | | | | | | | | | |
| 15 | 1225 | 1226 | 1224 | 1225 | 1222 | | | | | | | | | | | | | | |
| 20 | 1167 | 1167 | 1161 | 1162 | 1157 | | | | | | | | | | | | | | |
| 25 | 1044 | 1043 | 1032 | 1035 | 1025 | | | | | | | | | | | | | | |
| 30 | 831 | 830 | 815 | 819 | 802 | | | | | | | | | | | | | | |
| 35 | 592 | 594 | 595 | 591 | 560 | | | | | | | | | | | | | | |
| 40 | 387 | 419 | 406 | 391 | 362 | | | | | | | | | | | | | | |
| 45 | 259 | 295 | 273 | 253 | 248 | | | | | | | | | | | | | | |
| 50 | 183 | 207 | 192 | 171 | 176 | | | | | | | | | | | | | | |
| 55 | 132 | 146 | 136 | 119 | 125 | | | | | | | | | | | | | | |
| 60 | 90.2 | 98.6 | 91.3 | 79.6 | 85.0 | | | | | | | | | | | | | | |
| 65 | 57.3 | 62.4 | 58.0 | 50.7 | 53.6 | | | | | | | | | | | | | | |
| 70 | 34.3 | 36.8 | 34.1 | 30.6 | 31.7 | | | | | | | | | | | | | | |
| 75 | 18.6 | 19.2 | 16.6 | 16.7 | 16.9 | | | | | | | | | | | | | | |
| 80 | 7.90 | 7.31 | 7.05 | 6.91 | 7.28 | | | | | | | | | | | | | | |
| 85 | 1.47 | 1.58 | 1.53 | 1.45 | 1.17 | | | | | | | | | | | | | | |
| 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: 2024-10-30

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: