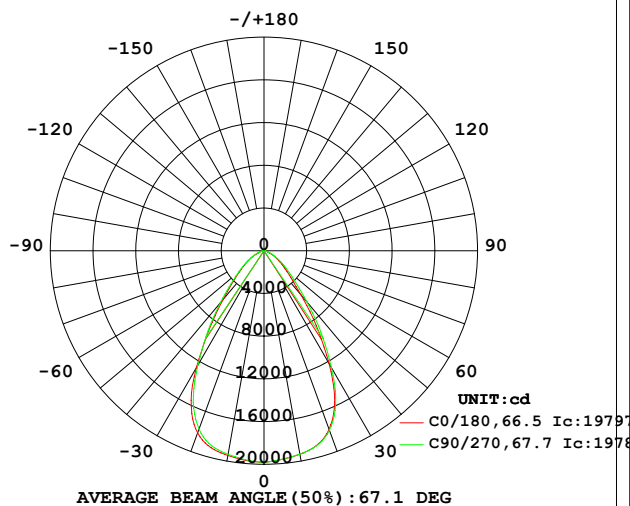


LUMINAIRE PHOTOMETRIC TEST REPORT

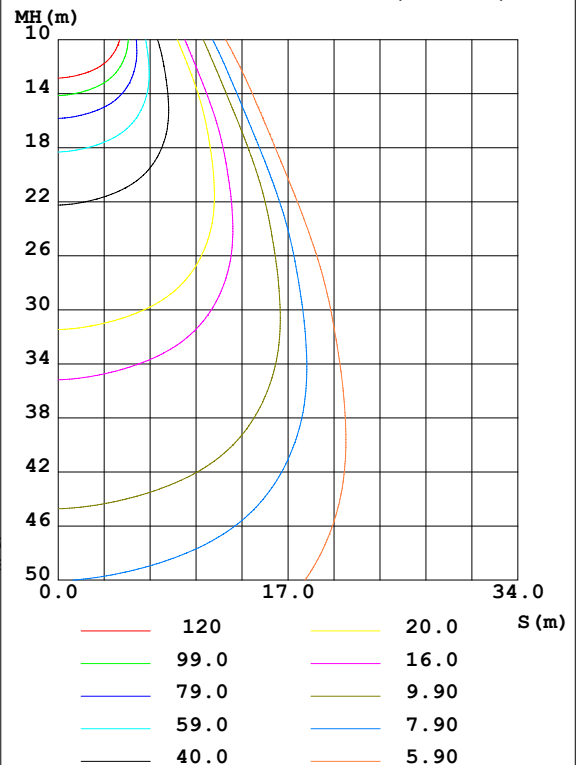
| | | |
|--|--------------------|------------------|
| Test:U:219.3V I:0.6975A P:150.7W PF:0.9850 Freq:50.01Hz Lamp Flux:26022.5x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 172.69 lm/W | | | |
|-------------------|---------|-----------------------------------|--------|-------------------------|----------|
| MODEL | 2835 | I _{max} (cd) | 19797 | S/MH (C0/180) | 0.99 |
| NOMINAL POWER (W) | 150 | LOR (%) | 100.0 | S/MH (C90/270) | 1.00 |
| RATED VOLTAGE (V) | 220 | TOTAL FLUX (lm) | 26022 | η UP,DN (C0-180) | 0.0,50.2 |
| NOMINAL FLUX (lm) | 26022.5 | CIE CLASS | DIRECT | η UP,DN (C180-360) | 0.0,49.8 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 1.00 |
| TEST VOLTAGE (V) | 220 | η down (%) | 100.0 | CIBSE SHR MAX | 1.00 |

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:2024-8-20

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 | 1935 | 1933 | 1934 | 1940 | 1947 | 1938 | 1936 | 1934 | 0- 10 | 1865 | 1865 | 7.17,7.17 |
| 20 | 1780 | 1788 | 1790 | 1807 | 1816 | 1790 | 1778 | 1771 | 10- 20 | 5318 | 7183 | 27.6,27.6 |
| 30 | 1217 | 1258 | 1262 | 1291 | 1268 | 1232 | 1238 | 1191 | 20- 30 | 7138 | 14321 | 55,55 |
| 40 | 537.3 | 565.9 | 627.3 | 611.0 | 595.6 | 571.9 | 632.6 | 575.1 | 30- 40 | 5538 | 19859 | 76.3,76.3 |
| 50 | 255.5 | 220.9 | 294.3 | 285.1 | 292.3 | 235.5 | 307.2 | 269.0 | 40- 50 | 3147 | 23007 | 88.4,88.4 |
| 60 | 125.0 | 105.3 | 143.9 | 138.3 | 145.3 | 112.9 | 150.8 | 130.2 | 50- 60 | 1797 | 24804 | 95.3,95.3 |
| 70 | 47.79 | 40.88 | 53.76 | 52.65 | 57.56 | 44.98 | 57.32 | 47.60 | 60- 70 | 882.5 | 25686 | 98.7,98.7 |
| 80 | 10.54 | 9.779 | 12.11 | 11.67 | 14.57 | 12.15 | 13.85 | 9.893 | 70- 80 | 297.8 | 25984 | 99.9,99.9 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 38.30 | 26022 | 100,100 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 26022 | 100,100 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 26022 | 100,100 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 26022 | 100,100 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 26022 | 100,100 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 26022 | 100,100 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 26022 | 100,100 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 26022 | 100,100 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 26022 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 26022 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 21658 lm

%lum = 83.2%

%lamp = 83.2%

Conical surface Flux(120deg): 24804 lm

%lum = 95.3%

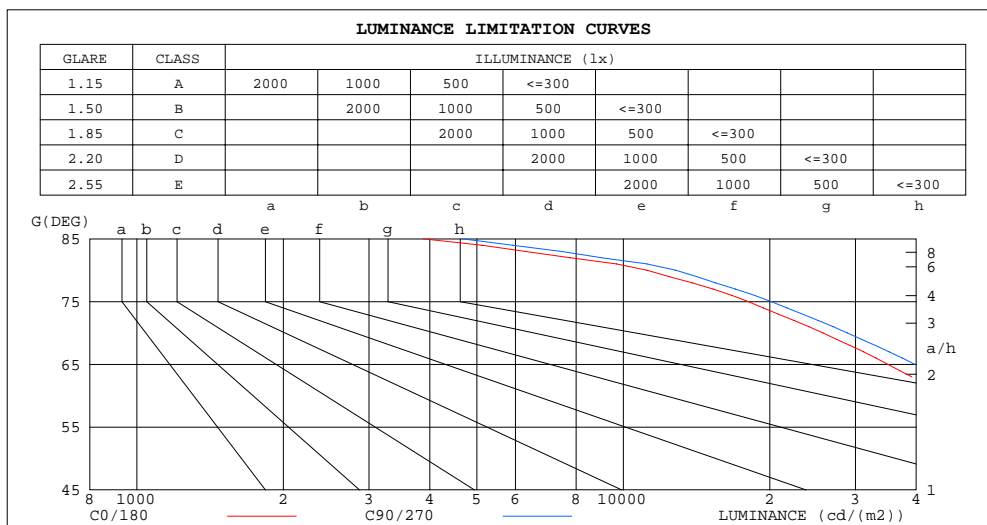
%lamp = 95.3%

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

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:0.6975A P:150.7W PF:0.9850 Freq:50.01Hz Lamp Flux:26022.5x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: ϕ 263mm | Shielding Angle: |



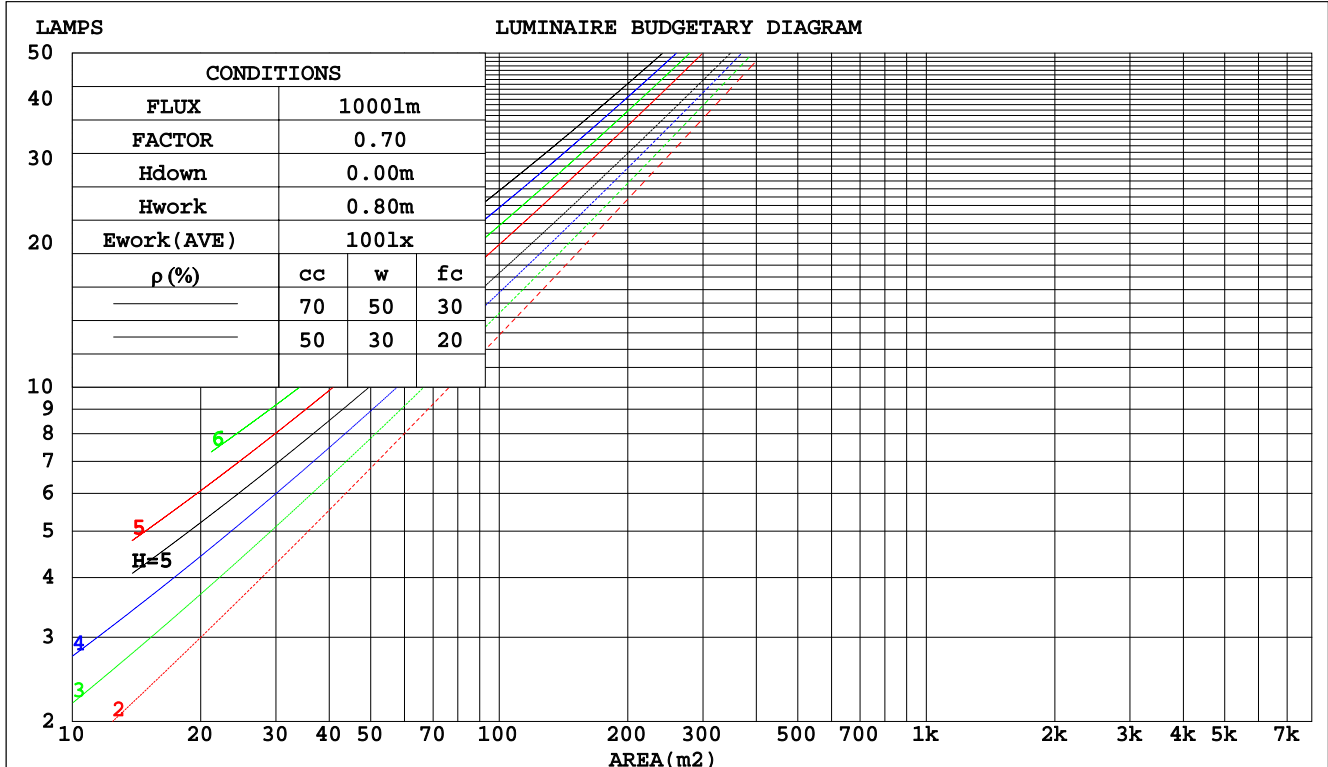
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-8-20

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:0.6975A P:150.7W PF:0.9850 Freq:50.01Hz Lamp Flux:26022.5x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-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 | .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 | .65 | .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 | .49 | .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 | .46 | .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

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:0.6975A P:150.7W PF:0.9850 Freq:50.01Hz Lamp Flux:26022.5x1 lm | | | | | |
| NAME: AOK HBE | | | TYPE: | | WEIGHT: |
| SPEC.:AOK-150WHBE-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 | .120 | .038 | .205 | .117 | .037 | .192 | .110 | .035 | .180 | .104 | .033 | .170 | .098 | .032 | |
| 2.0 | .205 | .112 | .034 | .199 | .110 | .034 | .188 | .105 | .033 | .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 | .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 | .149 | .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:2024-8-20

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:0.6975A P:150.7W PF:0.9850 Freq:50.01Hz Lamp Flux:26022.5x1 lm | | | | | | | | | | |
| NAME: AOK HBE | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.:AOK-150WHBE-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 | 25.4 | 26.5 | 25.6 | 26.7 | 26.9 | 26.0 | 27.1 | 26.2 | 27.3 | 27.5 |
| 3H | 25.6 | 26.7 | 25.9 | 26.9 | 27.1 | 26.2 | 27.3 | 26.5 | 27.5 | 27.7 |
| 4H | 25.7 | 26.6 | 25.9 | 26.9 | 27.1 | 26.3 | 27.3 | 26.6 | 27.5 | 27.7 |
| 6H | 25.6 | 26.5 | 25.9 | 26.8 | 27.1 | 26.2 | 27.2 | 26.5 | 27.4 | 27.7 |
| 8H | 25.6 | 26.5 | 25.9 | 26.7 | 27.0 | 26.2 | 27.1 | 26.5 | 27.3 | 27.6 |
| 12H | 25.5 | 26.4 | 25.9 | 26.7 | 26.9 | 26.1 | 27.0 | 26.5 | 27.3 | 27.6 |
| 4H 2H | 25.4 | 26.4 | 25.7 | 26.6 | 26.9 | 26.0 | 26.9 | 26.2 | 27.2 | 27.4 |
| 3H | 25.8 | 26.6 | 26.1 | 26.9 | 27.2 | 26.3 | 27.2 | 26.6 | 27.4 | 27.7 |
| 4H | 25.8 | 26.6 | 26.2 | 26.9 | 27.2 | 26.4 | 27.1 | 26.7 | 27.4 | 27.8 |
| 6H | 25.8 | 26.5 | 26.2 | 26.8 | 27.2 | 26.4 | 27.0 | 26.7 | 27.4 | 27.7 |
| 8H | 25.8 | 26.4 | 26.2 | 26.8 | 27.1 | 26.3 | 27.0 | 26.7 | 27.3 | 27.7 |
| 12H | 25.7 | 26.3 | 26.1 | 26.7 | 27.1 | 26.3 | 26.9 | 26.7 | 27.2 | 27.6 |
| 8H 4H | 25.8 | 26.4 | 26.2 | 26.7 | 27.1 | 26.3 | 26.9 | 26.7 | 27.3 | 27.6 |
| 6H | 25.8 | 26.3 | 26.2 | 26.7 | 27.1 | 26.3 | 26.8 | 26.7 | 27.2 | 27.6 |
| 8H | 25.7 | 26.2 | 26.2 | 26.6 | 27.0 | 26.3 | 26.7 | 26.7 | 27.1 | 27.6 |
| 12H | 25.7 | 26.1 | 26.2 | 26.5 | 27.0 | 26.2 | 26.6 | 26.7 | 27.1 | 27.5 |
| 12H 4H | 25.7 | 26.3 | 26.1 | 26.7 | 27.1 | 26.2 | 26.8 | 26.7 | 27.2 | 27.6 |
| 6H | 25.7 | 26.2 | 26.2 | 26.6 | 27.0 | 26.3 | 26.7 | 26.7 | 27.1 | 27.6 |
| 8H | 25.7 | 26.1 | 26.2 | 26.5 | 27.0 | 26.2 | 26.6 | 26.7 | 27.1 | 27.5 |
| 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 / - 2.2 | | | | |

CIE Pub.117, 26022 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 11.3$)

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

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:0.6975A P:150.7W PF:0.9850 Freq:50.01Hz Lamp Flux:26022.5x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |

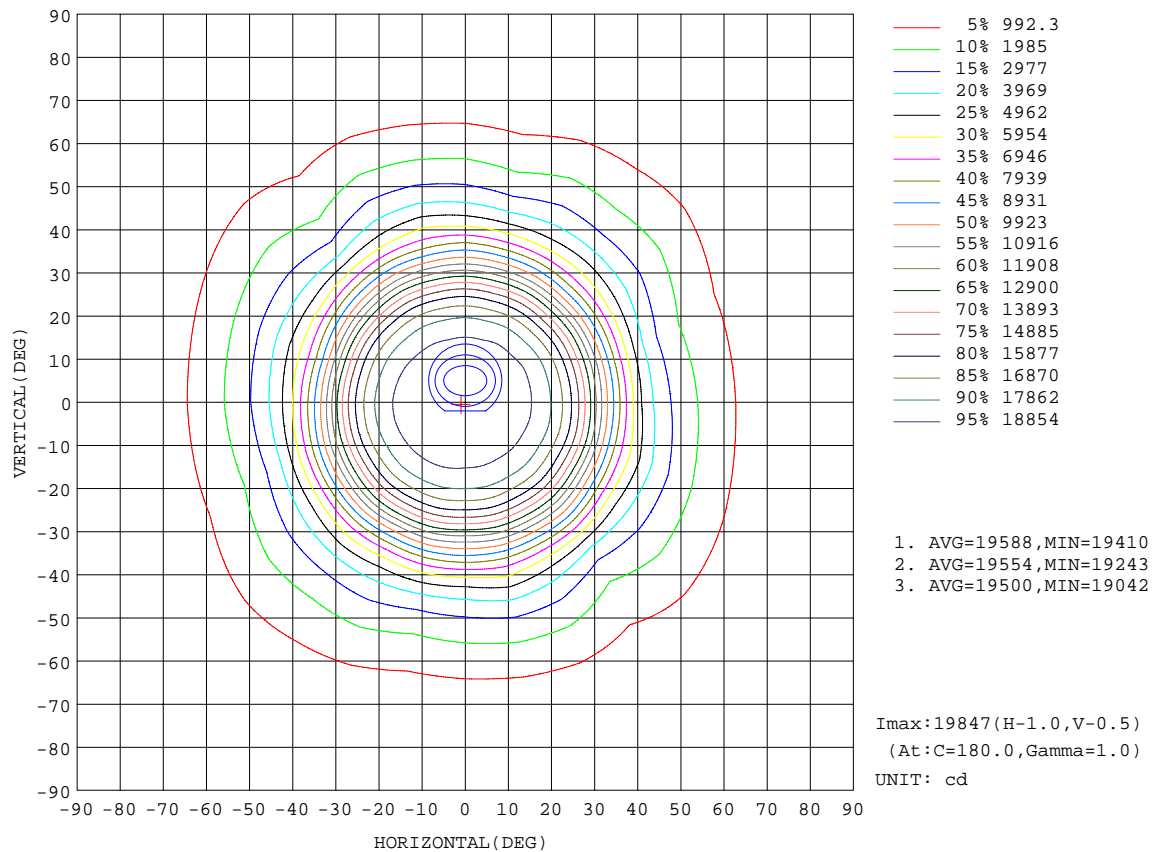
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 76 | 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 | 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

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:0.6975A P:150.7W PF:0.9850 Freq:50.01Hz Lamp Flux:26022.5x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: ϕ 263mm | Shielding Angle: |

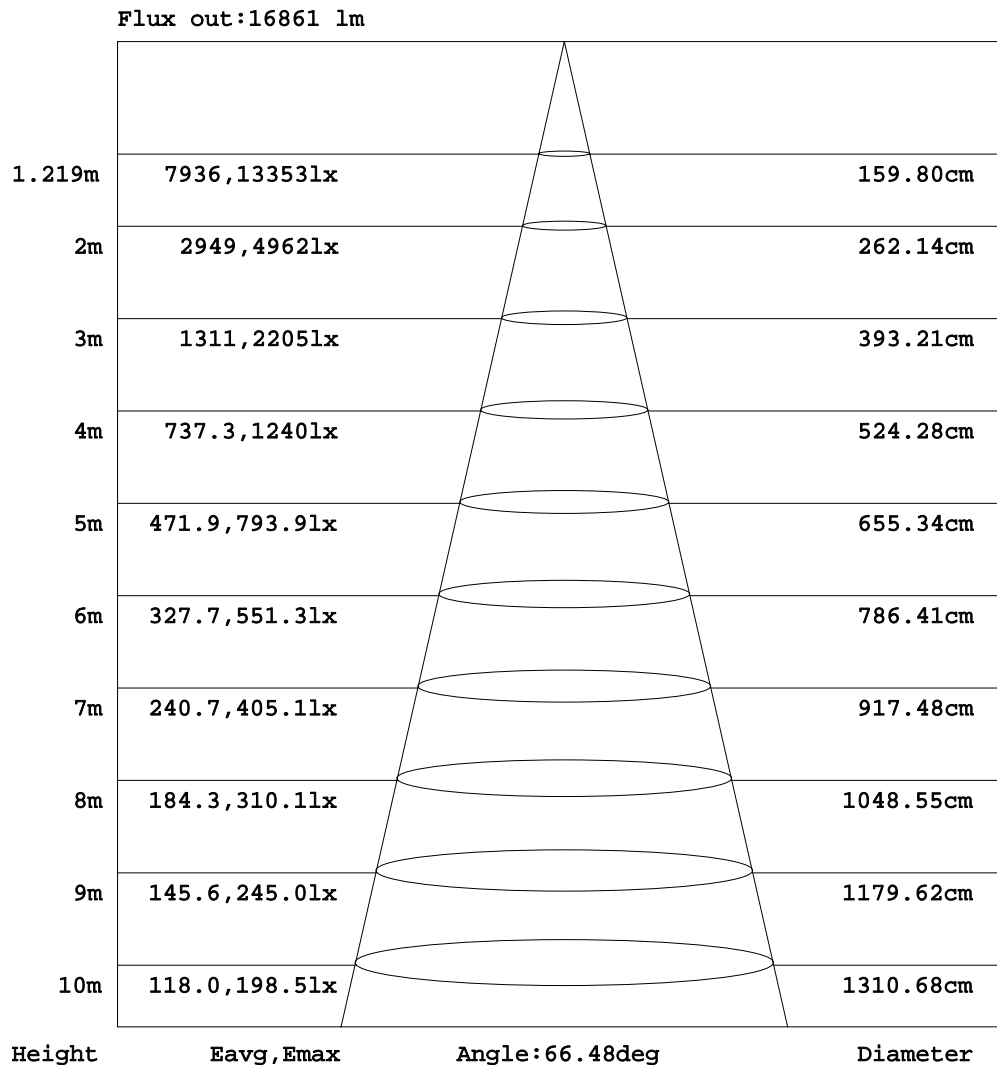


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-8-20

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:0.6975A P:150.7W PF:0.9850 Freq:50.01Hz Lamp Flux:26022.5x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |



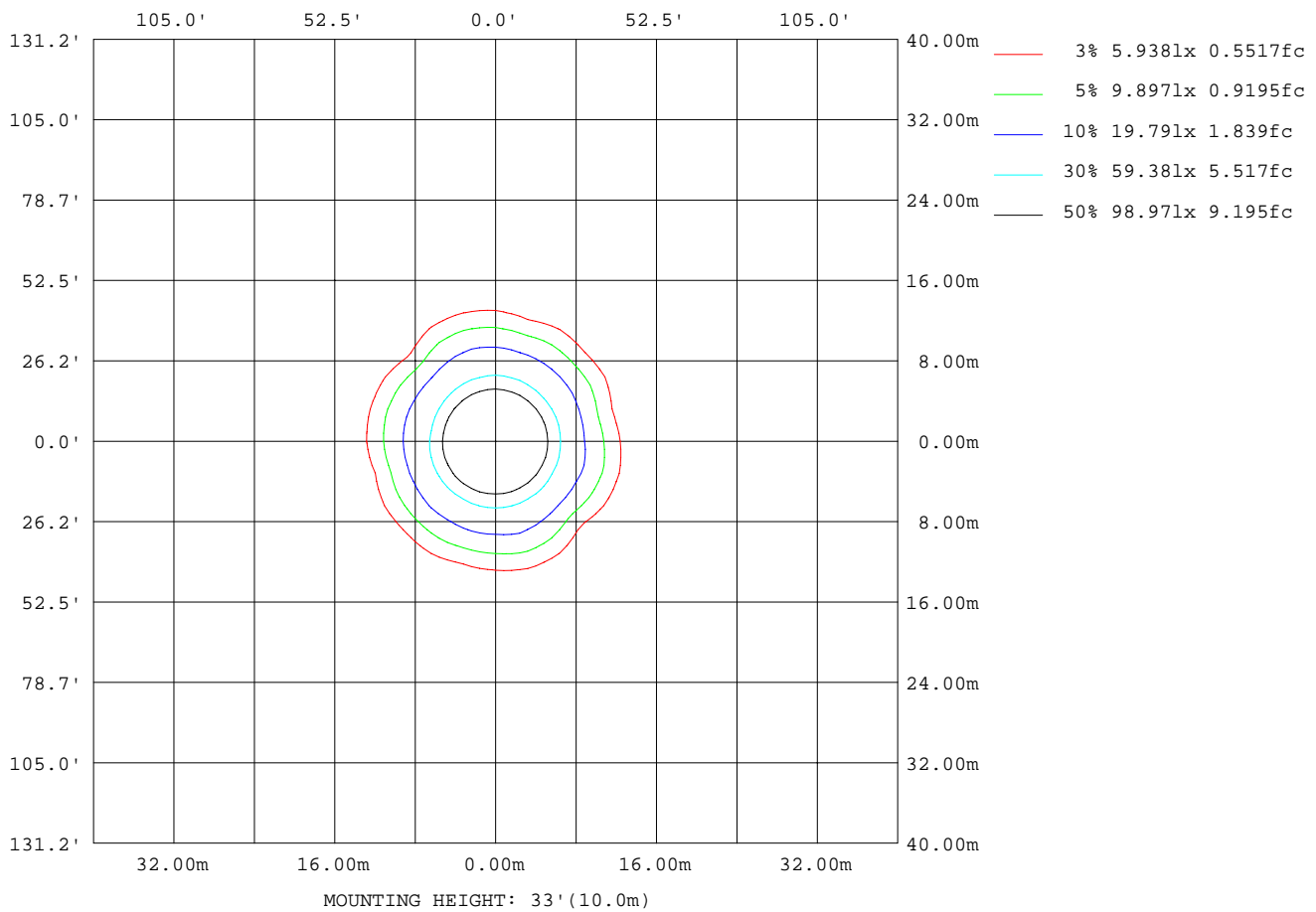
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.6975A P:150.7W PF:0.9850 Freq:50.01Hz Lamp Flux:26022.5x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-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: 2024-8-20

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:0.6975A P:150.7W PF:0.9850 Freq:50.01Hz Lamp Flux:26022.5x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |

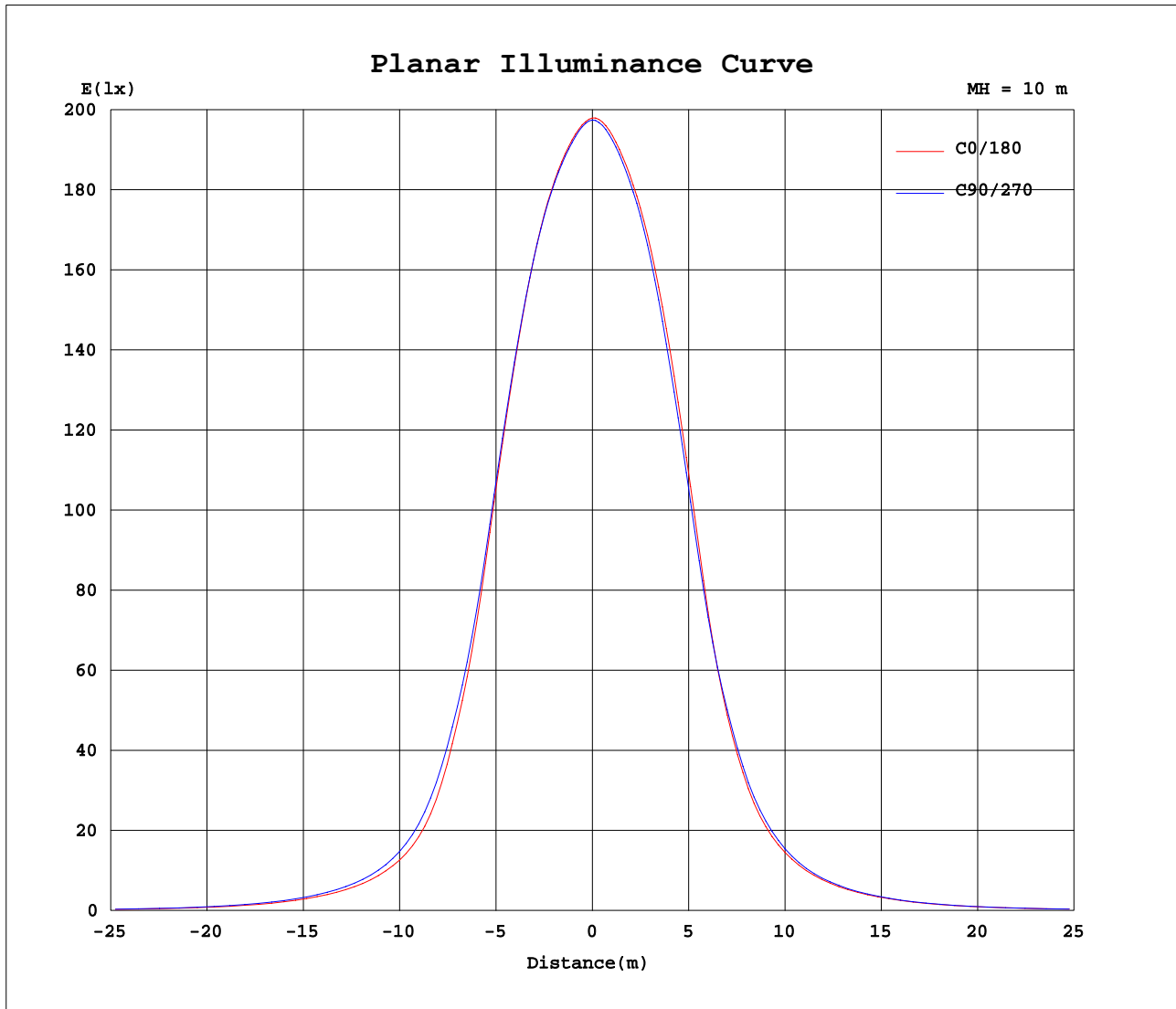
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 38014 |
| L_0~180 (75) av | 20336 |
| L_0~180 (85) av | 5508 |
| L_90~270 (65) av | 40889 |
| L_90~270 (75) av | 21153 |
| L_90~270 (85) av | 5550 |
| L_45 (65) av | 34504 |
| L_45 (75) av | 16339 |
| L_45 (85) av | 5581 |

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

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: 2024-8-20

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:0.6975A P:150.7W PF:0.9850 Freq:50.01Hz Lamp Flux:26022.5x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-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 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 | 1979 |
| 5 | 1960 | 1960 | 1960 | 1959 | 1958 | 1960 | 1960 | 1962 | 1963 | 1966 | 1967 | 1969 | 1970 | 1968 | 1965 | 1966 | 1966 | 1964 | 1964 |
| 10 | 1935 | 1934 | 1933 | 1933 | 1933 | 1934 | 1934 | 1936 | 1937 | 1940 | 1941 | 1944 | 1947 | 1944 | 1940 | 1938 | 1937 | 1935 | 1936 |
| 15 | 1890 | 1891 | 1890 | 1891 | 1889 | 1892 | 1892 | 1897 | 1897 | 1902 | 1901 | 1905 | 1910 | 1905 | 1901 | 1895 | 1894 | 1889 | 1891 |
| 20 | 1780 | 1787 | 1783 | 1788 | 1785 | 1793 | 1790 | 1798 | 1798 | 1807 | 1803 | 1811 | 1816 | 1806 | 1803 | 1790 | 1788 | 1777 | 1778 |
| 25 | 1567 | 1582 | 1575 | 1589 | 1582 | 1595 | 1588 | 1603 | 1601 | 1616 | 1606 | 1615 | 1613 | 1595 | 1595 | 1579 | 1581 | 1565 | 1567 |
| 30 | 1217 | 1237 | 1230 | 1258 | 1255 | 1274 | 1262 | 1279 | 1271 | 1291 | 1277 | 1280 | 1268 | 1233 | 1237 | 1232 | 1250 | 1234 | 1238 |
| 35 | 854 | 856 | 860 | 898 | 899 | 929 | 929 | 926 | 900 | 914 | 909 | 911 | 888 | 848 | 861 | 873 | 896 | 896 | 913 |
| 40 | 537 | 587 | 553 | 566 | 597 | 653 | 627 | 626 | 597 | 611 | 591 | 603 | 596 | 587 | 569 | 572 | 610 | 647 | 633 |
| 45 | 357 | 401 | 373 | 334 | 407 | 454 | 419 | 410 | 409 | 409 | 397 | 381 | 410 | 418 | 389 | 353 | 429 | 461 | 438 |
| 50 | 255 | 284 | 268 | 221 | 293 | 316 | 294 | 279 | 295 | 285 | 285 | 258 | 292 | 296 | 281 | 236 | 309 | 325 | 307 |
| 55 | 184 | 199 | 195 | 153 | 209 | 223 | 211 | 193 | 213 | 201 | 207 | 181 | 211 | 211 | 206 | 163 | 222 | 230 | 221 |
| 60 | 125 | 135 | 133 | 105 | 141 | 149 | 144 | 131 | 145 | 138 | 142 | 123 | 145 | 145 | 143 | 113 | 152 | 156 | 151 |
| 65 | 80.2 | 86.0 | 84.0 | 69.1 | 88.5 | 94.6 | 91.5 | 83.8 | 92.5 | 89.9 | 91.0 | 80.8 | 94.3 | 93.8 | 92.8 | 74.2 | 97.1 | 99.5 | 96.3 |
| 70 | 47.8 | 51.1 | 49.1 | 40.9 | 51.2 | 55.6 | 53.8 | 50.4 | 53.8 | 52.7 | 53.8 | 50.3 | 57.6 | 56.9 | 55.7 | 45.0 | 57.5 | 58.8 | 57.3 |
| 75 | 25.4 | 26.5 | 23.1 | 21.3 | 23.5 | 28.8 | 28.4 | 27.3 | 25.9 | 24.6 | 26.4 | 28.7 | 31.8 | 31.0 | 29.3 | 24.7 | 30.1 | 31.3 | 31.1 |
| 80 | 10.5 | 10.1 | 8.94 | 9.78 | 9.12 | 10.9 | 12.1 | 11.2 | 10.4 | 11.7 | 11.3 | 13.0 | 14.6 | 13.1 | 11.6 | 12.2 | 12.0 | 13.0 | 13.8 |
| 85 | 1.84 | 1.48 | 1.78 | 2.01 | 1.75 | 1.67 | 2.22 | 1.90 | 2.19 | 3.00 | 2.66 | 2.70 | 3.38 | 2.45 | 2.98 | 3.33 | 3.04 | 2.36 | 3.04 |
| 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

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:0.6975A P:150.7W PF:0.9850 Freq:50.01Hz Lamp Flux:26022.5x1 lm | | |
| NAME: AOK HBE | TYPE: | WEIGHT: |
| SPEC.:AOK-150WHBE-NV-L2-00-5080-60D-P | DIM.: | SERIAL No.: |
| MFR.: AOK | SUR.: Φ 263mm | Shielding Angle: |

Table--2

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

| γ (DEG) \ C (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|--------------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 1979 | 1979 | 1979 | 1979 | 1979 | | | | | | | | | | | | | | |
| 5 | 1962 | 1962 | 1961 | 1961 | 1959 | | | | | | | | | | | | | | |
| 10 | 1934 | 1936 | 1934 | 1934 | 1933 | | | | | | | | | | | | | | |
| 15 | 1886 | 1889 | 1888 | 1890 | 1887 | | | | | | | | | | | | | | |
| 20 | 1769 | 1775 | 1771 | 1777 | 1774 | | | | | | | | | | | | | | |
| 25 | 1548 | 1553 | 1544 | 1556 | 1557 | | | | | | | | | | | | | | |
| 30 | 1212 | 1208 | 1191 | 1208 | 1210 | | | | | | | | | | | | | | |
| 35 | 881 | 864 | 835 | 840 | 842 | | | | | | | | | | | | | | |
| 40 | 604 | 579 | 575 | 550 | 529 | | | | | | | | | | | | | | |
| 45 | 397 | 402 | 388 | 379 | 330 | | | | | | | | | | | | | | |
| 50 | 269 | 291 | 269 | 273 | 226 | | | | | | | | | | | | | | |
| 55 | 188 | 210 | 190 | 196 | 158 | | | | | | | | | | | | | | |
| 60 | 127 | 143 | 130 | 134 | 108 | | | | | | | | | | | | | | |
| 65 | 81.6 | 90.7 | 83.6 | 85.5 | 70.6 | | | | | | | | | | | | | | |
| 70 | 49.0 | 52.9 | 47.6 | 50.3 | 43.1 | | | | | | | | | | | | | | |
| 75 | 26.8 | 26.5 | 21.3 | 24.9 | 23.3 | | | | | | | | | | | | | | |
| 80 | 11.4 | 10.3 | 9.89 | 9.39 | 9.32 | | | | | | | | | | | | | | |
| 85 | 2.06 | 2.28 | 2.23 | 1.95 | 1.48 | | | | | | | | | | | | | | |
| 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

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: