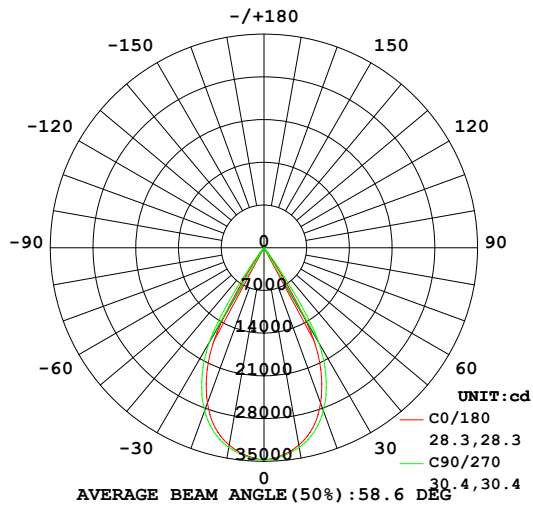


LUMINAIRE PHOTOMETRIC TEST REPORT

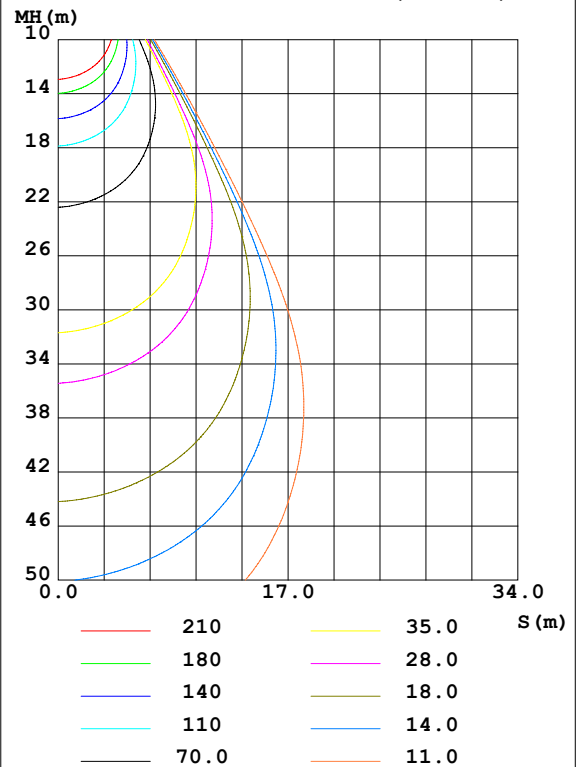
| | | |
|--|----------------------------------|------------------|
| Test:U:220.0V I:0.7447A P:153.6W PF:0.9594 Freq:49.99Hz Lamp Flux:25851.9x1 lm | | |
| NAME: AOK oH | TYPE:LED | WEIGHT:4.6KG |
| SPEC.:AOK-150W oH | DIM.: $\phi 0.319 \times 0.138M$ | SERIAL No.:1 |
| MFR.: AOK | SUR.: $\phi 0.24M$ | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 168.31 lm/W | | | |
|-------------------|---------|-----------------------------------|--------|--------------------------|-----------|
| MODEL | 5050 | I _{max} (cd) | 34779 | S/MH (C0/180) | 0.82 |
| NOMINAL POWER (W) | 150 | LOR (%) | 100.0 | S/MH (C90/270) | 0.88 |
| RATED VOLTAGE (V) | 220.0 | TOTAL FLUX (lm) | 25852 | η UP, DN (C0-180) | 0.0, 50.0 |
| NOMINAL FLUX (lm) | 25851.9 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.0, 50.0 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE (V) | 220 | η down (%) | 100.0 | CIBSE SHR MAX | 0.85 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [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 | 3285 | 3283 | 3321 | 3283 | 3285 | 3283 | 3321 | 3283 | 0- 10 | 3221 | 3221 | 12.5,12.5 |
| 20 | 2712 | 2734 | 2844 | 2734 | 2712 | 2734 | 2844 | 2734 | 10- 20 | 8592 | 11813 | 45.7,45.7 |
| 30 | 1364 | 1532 | 1803 | 1532 | 1364 | 1532 | 1803 | 1532 | 20- 30 | 10185 | 21997 | 85.1,85.1 |
| 40 | 38.48 | 40.13 | 65.17 | 40.13 | 38.48 | 40.13 | 65.17 | 40.13 | 30- 40 | 3143 | 25140 | 97.2,97.2 |
| 50 | 27.35 | 28.11 | 29.28 | 28.11 | 27.35 | 28.11 | 29.28 | 28.11 | 40- 50 | 254.8 | 25395 | 98.2,98.2 |
| 60 | 18.94 | 19.30 | 20.10 | 19.30 | 18.94 | 19.30 | 20.10 | 19.30 | 50- 60 | 210.2 | 25605 | 99,99 |
| 70 | 11.74 | 12.26 | 13.07 | 12.26 | 11.74 | 12.26 | 13.07 | 12.26 | 60- 70 | 158.1 | 25763 | 99.7,99.7 |
| 80 | 1.743 | 2.643 | 3.847 | 2.643 | 1.743 | 2.643 | 3.847 | 2.643 | 70- 80 | 82.43 | 25846 | 100,100 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 6.113 | 25852 | 100,100 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 25852 | 100,100 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 25852 | 100,100 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 25852 | 100,100 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 25852 | 100,100 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 25852 | 100,100 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 25852 | 100,100 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 25852 | 100,100 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 25852 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 25852 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 25272 lm

%lum = 97.8%

%lamp = 97.8%

Conical surface Flux(120deg): 25605 lm

%lum = 99.0%

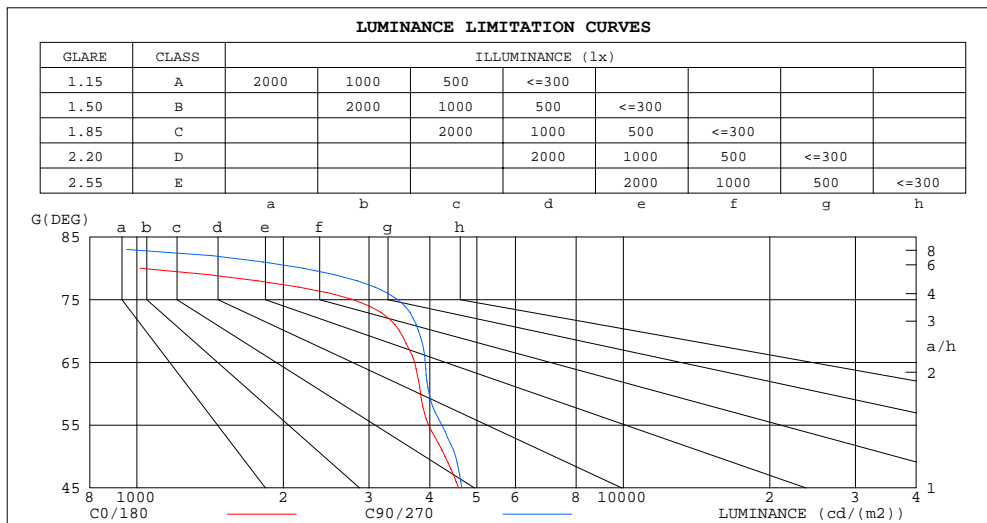
%lamp = 99.0%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|----------------------------------|------------------|
| Test:U:220.0V I:0.7447A P:153.6W PF:0.9594 Freq:49.99Hz Lamp Flux:25851.9x1 lm | | |
| NAME: AOK oH | TYPE:LED | WEIGHT:4.6KG |
| SPEC.:AOK-150W oH | DIM.: $\phi 0.319 \times 0.138M$ | SERIAL No.:1 |
| MFR.: AOK | SUR.: $\phi 0.24M$ | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 105 | 365 |
| 80 | 1014 | 2198 |
| 75 | 2782 | 3435 |
| 70 | 3468 | 3792 |
| 65 | 3724 | 3914 |
| 60 | 3829 | 3988 |
| 55 | 3977 | 4235 |
| 50 | 4300 | 4519 |
| 45 | 4584 | 4661 |

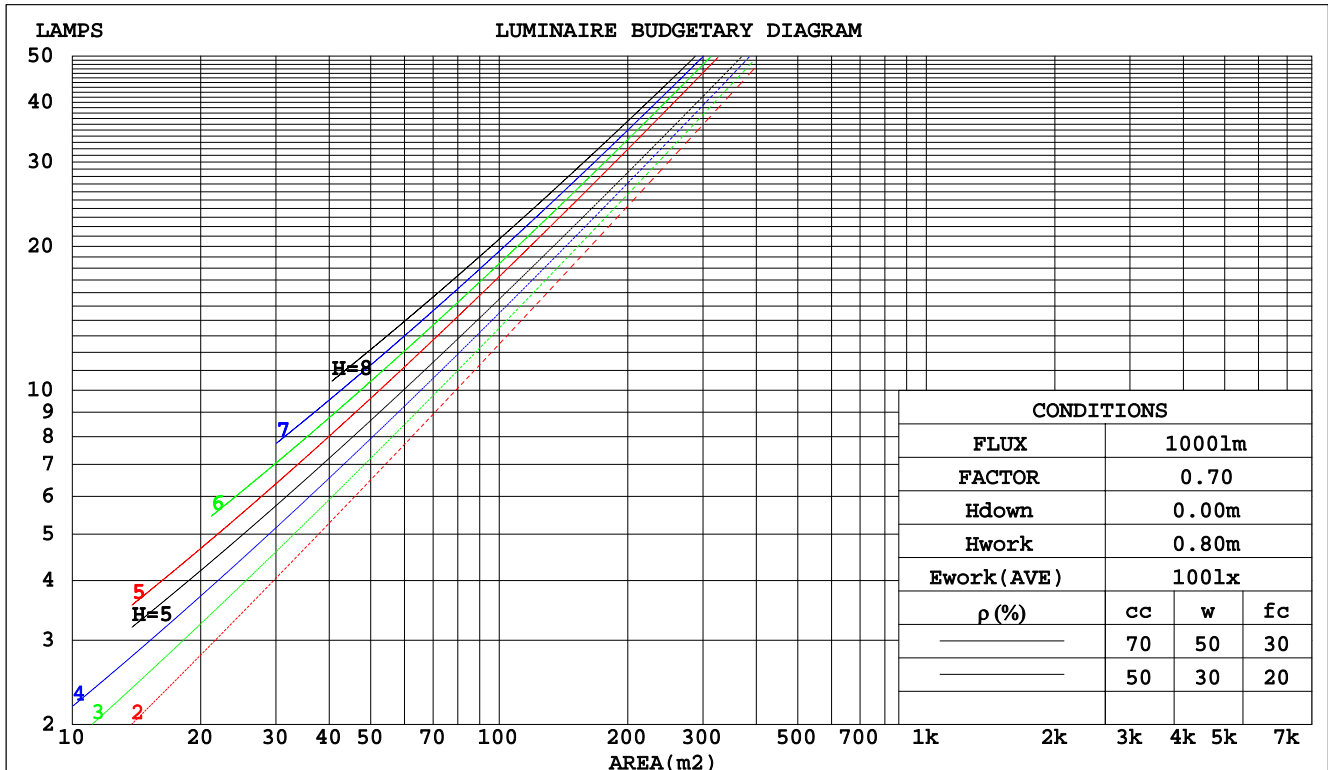
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|---|------------------|
| Test:U:220.0V I:0.7447A P:153.6W PF:0.9594 Freq:49.99Hz Lamp Flux:25851.9x1 lm | | |
| NAME: AOK oH | TYPE:LED | WEIGHT:4.6KG |
| SPEC.:AOK-150W oH | DIM.: $\phi 0.319 \times 0.138\text{M}$ | SERIAL No.:1 |
| MFR.: AOK | SUR.: $\phi 0.24\text{M}$ | 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 | | | | | | 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 | 1.11 | 1.09 | 1.07 | 1.09 | 1.07 | 1.05 | 1.05 | 1.03 | 1.02 | 1.01 | 1.00 | .99 | .98 | .97 | .96 | .94 |
| 2.0 | 1.04 | 1.00 | .97 | 1.02 | .99 | .96 | .99 | .97 | .94 | .96 | .94 | .92 | .94 | .92 | .90 | .89 |
| 3.0 | .98 | .93 | .90 | .97 | .92 | .89 | .94 | .90 | .87 | .92 | .89 | .86 | .89 | .87 | .85 | .83 |
| 4.0 | .92 | .87 | .83 | .91 | .86 | .83 | .89 | .85 | .82 | .87 | .84 | .81 | .85 | .82 | .80 | .78 |
| 5.0 | .87 | .82 | .78 | .86 | .81 | .77 | .84 | .80 | .77 | .83 | .79 | .76 | .81 | .78 | .75 | .74 |
| 6.0 | .82 | .77 | .73 | .82 | .76 | .73 | .80 | .76 | .72 | .79 | .75 | .72 | .77 | .74 | .71 | .70 |
| 7.0 | .78 | .72 | .69 | .77 | .72 | .68 | .76 | .71 | .68 | .75 | .71 | .68 | .74 | .70 | .67 | .66 |
| 8.0 | .74 | .69 | .65 | .73 | .68 | .65 | .72 | .68 | .64 | .71 | .67 | .64 | .70 | .67 | .64 | .63 |
| 9.0 | .70 | .65 | .61 | .70 | .65 | .61 | .69 | .64 | .61 | .68 | .64 | .61 | .67 | .63 | .61 | .59 |
| 10.0 | .67 | .62 | .58 | .67 | .61 | .58 | .66 | .61 | .58 | .65 | .61 | .58 | .64 | .60 | .58 | .56 |



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|--|---------------------------|------------------|
| Test:U:220.0V I:0.7447A P:153.6W PF:0.9594 Freq:49.99Hz Lamp Flux:25851.9x1 lm | | |
| NAME: AOK oH | TYPE:LED | WEIGHT:4.6KG |
| SPEC.:AOK-150W oH | DIM.: ϕ 0.319*0.138M | SERIAL No.:1 |
| MFR.: AOK | SUR.: ϕ 0.24M | 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 | .168 | .096 | .030 | .162 | .092 | .029 | .149 | .086 | .027 | .138 | .079 | .025 | .127 | .074 | .024 | |
| 2.0 | .160 | .088 | .027 | .154 | .085 | .026 | .144 | .080 | .025 | .134 | .075 | .024 | .125 | .071 | .022 | |
| 3.0 | .151 | .081 | .024 | .147 | .078 | .024 | .138 | .075 | .023 | .129 | .071 | .022 | .122 | .067 | .021 | |
| 4.0 | .144 | .075 | .022 | .140 | .073 | .022 | .132 | .070 | .021 | .125 | .067 | .020 | .118 | .064 | .020 | |
| 5.0 | .137 | .070 | .020 | .133 | .068 | .020 | .127 | .066 | .019 | .120 | .064 | .019 | .115 | .061 | .018 | |
| 6.0 | .130 | .065 | .019 | .127 | .064 | .019 | .122 | .062 | .018 | .116 | .060 | .018 | .111 | .058 | .017 | |
| 7.0 | .125 | .062 | .017 | .122 | .061 | .017 | .117 | .059 | .017 | .112 | .057 | .017 | .108 | .056 | .016 | |
| 8.0 | .120 | .058 | .016 | .117 | .058 | .016 | .113 | .056 | .016 | .108 | .055 | .016 | .104 | .054 | .016 | |
| 9.0 | .115 | .056 | .015 | .113 | .055 | .015 | .108 | .054 | .015 | .105 | .052 | .015 | .101 | .051 | .015 | |
| 10.0 | .110 | .053 | .015 | .108 | .052 | .015 | .105 | .051 | .014 | .101 | .050 | .014 | .098 | .049 | .014 | |

| 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 | .171 | .157 | .146 | .146 | .135 | .125 | .100 | .093 | .087 | .057 | .054 | .050 | .018 | .017 | .016 | |
| 2.0 | .155 | .133 | .114 | .132 | .114 | .099 | .091 | .079 | .069 | .052 | .046 | .040 | .017 | .015 | .013 | |
| 3.0 | .142 | .113 | .091 | .121 | .098 | .079 | .083 | .068 | .055 | .048 | .040 | .033 | .015 | .013 | .011 | |
| 4.0 | .131 | .099 | .074 | .112 | .085 | .064 | .077 | .059 | .045 | .045 | .035 | .027 | .014 | .011 | .009 | |
| 5.0 | .122 | .087 | .061 | .105 | .075 | .053 | .072 | .053 | .038 | .042 | .031 | .022 | .013 | .010 | .007 | |
| 6.0 | .114 | .077 | .051 | .098 | .067 | .045 | .068 | .047 | .031 | .039 | .028 | .019 | .013 | .009 | .006 | |
| 7.0 | .107 | .070 | .043 | .092 | .060 | .038 | .064 | .042 | .027 | .037 | .025 | .016 | .012 | .008 | .005 | |
| 8.0 | .102 | .063 | .037 | .088 | .055 | .032 | .061 | .039 | .023 | .035 | .023 | .014 | .011 | .007 | .005 | |
| 9.0 | .097 | .058 | .032 | .083 | .050 | .028 | .058 | .035 | .020 | .034 | .021 | .012 | .011 | .007 | .004 | |
| 10.0 | .092 | .054 | .028 | .079 | .047 | .025 | .055 | .033 | .017 | .032 | .019 | .010 | .010 | .006 | .003 | |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|--|-----|------------------|-----|-----|---------------------------|-----|----------------|------------------|-----|-----|-----|
| Test:U:220.0V I:0.7447A P:153.6W PF:0.9594 Freq:49.99Hz Lamp Flux:25851.9x1 lm | | | | | | | | | | | |
| NAME: AOK oH | | | | | TYPE:LED | | | WEIGHT:4.6KG | | | |
| SPEC.:AOK-150W oH | | | | | DIM.: ϕ 0.319*0.138M | | | SERIAL No.:1 | | | |
| MFR.: AOK | | | | | SUR.: ϕ 0.24M | | | 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 | | 3.2 | 4.1 | 3.4 | 4.2 | 4.4 | 6.2 | 7.1 | 6.5 | 7.3 | 7.5 |
| 3H | | 3.3 | 4.1 | 3.6 | 4.3 | 4.5 | 6.2 | 7.0 | 6.5 | 7.2 | 7.4 |
| 4H | | 3.3 | 4.1 | 3.6 | 4.3 | 4.5 | 6.2 | 7.0 | 6.5 | 7.2 | 7.4 |
| 6H | | 3.3 | 4.0 | 3.6 | 4.2 | 4.5 | 6.2 | 6.9 | 6.4 | 7.1 | 7.3 |
| 8H | | 3.2 | 3.9 | 3.6 | 4.2 | 4.4 | 6.1 | 6.8 | 6.4 | 7.1 | 7.3 |
| 12H | | 3.2 | 3.9 | 3.5 | 4.1 | 4.4 | 6.1 | 6.7 | 6.4 | 7.0 | 7.3 |
| 4H | 2H | 3.1 | 3.8 | 3.4 | 4.1 | 4.3 | 6.1 | 6.8 | 6.3 | 7.0 | 7.3 |
| | 3H | 3.3 | 3.9 | 3.6 | 4.2 | 4.5 | 6.1 | 6.7 | 6.4 | 7.0 | 7.3 |
| | 4H | 3.4 | 4.0 | 3.7 | 4.3 | 4.6 | 6.1 | 6.7 | 6.4 | 7.0 | 7.3 |
| | 6H | 3.3 | 3.9 | 3.7 | 4.2 | 4.5 | 6.0 | 6.6 | 6.4 | 6.9 | 7.3 |
| | 8H | 3.3 | 3.8 | 3.7 | 4.1 | 4.5 | 6.0 | 6.5 | 6.4 | 6.8 | 7.2 |
| | 12H | 3.2 | 3.7 | 3.6 | 4.1 | 4.4 | 6.0 | 6.4 | 6.4 | 6.8 | 7.2 |
| 8H | 4H | 3.3 | 3.8 | 3.7 | 4.2 | 4.5 | 6.0 | 6.5 | 6.4 | 6.8 | 7.2 |
| | 6H | 3.3 | 3.7 | 3.7 | 4.1 | 4.5 | 6.0 | 6.4 | 6.4 | 6.7 | 7.2 |
| | 8H | 3.3 | 3.6 | 3.7 | 4.0 | 4.5 | 5.9 | 6.3 | 6.4 | 6.7 | 7.1 |
| | 12H | 3.2 | 3.5 | 3.7 | 3.9 | 4.4 | 5.9 | 6.2 | 6.3 | 6.6 | 7.1 |
| 12H | 4H | 3.3 | 3.7 | 3.7 | 4.1 | 4.5 | 5.9 | 6.4 | 6.3 | 6.7 | 7.1 |
| | 6H | 3.3 | 3.6 | 3.7 | 4.0 | 4.5 | 5.9 | 6.3 | 6.3 | 6.7 | 7.1 |
| | 8H | 3.2 | 3.5 | 3.7 | 4.0 | 4.4 | 5.9 | 6.2 | 6.3 | 6.6 | 7.1 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | + 1.4 / - 0.6 | | | | | + 3.9 / - 1.9 | | | | |
| 1.5H | | + 2.5 / - 0.5 | | | | | + 6.2 / - 1.7 | | | | |
| 2.0H | | + 0.3 / - 0.4 | | | | | + 0.3 / - 0.3 | | | | |

CIE Pub.117, 25852 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.3$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|----------------------------------|------------------|
| Test:U:220.0V I:0.7447A P:153.6W PF:0.9594 Freq:49.99Hz Lamp Flux:25851.9x1 lm | | |
| NAME: AOK oH | TYPE:LED | WEIGHT:4.6KG |
| SPEC.:AOK-150W oH | DIM.: $\phi 0.319 \times 0.138M$ | SERIAL No.:1 |
| MFR.: AOK | SUR.: $\phi 0.24M$ | Shielding Angle: |

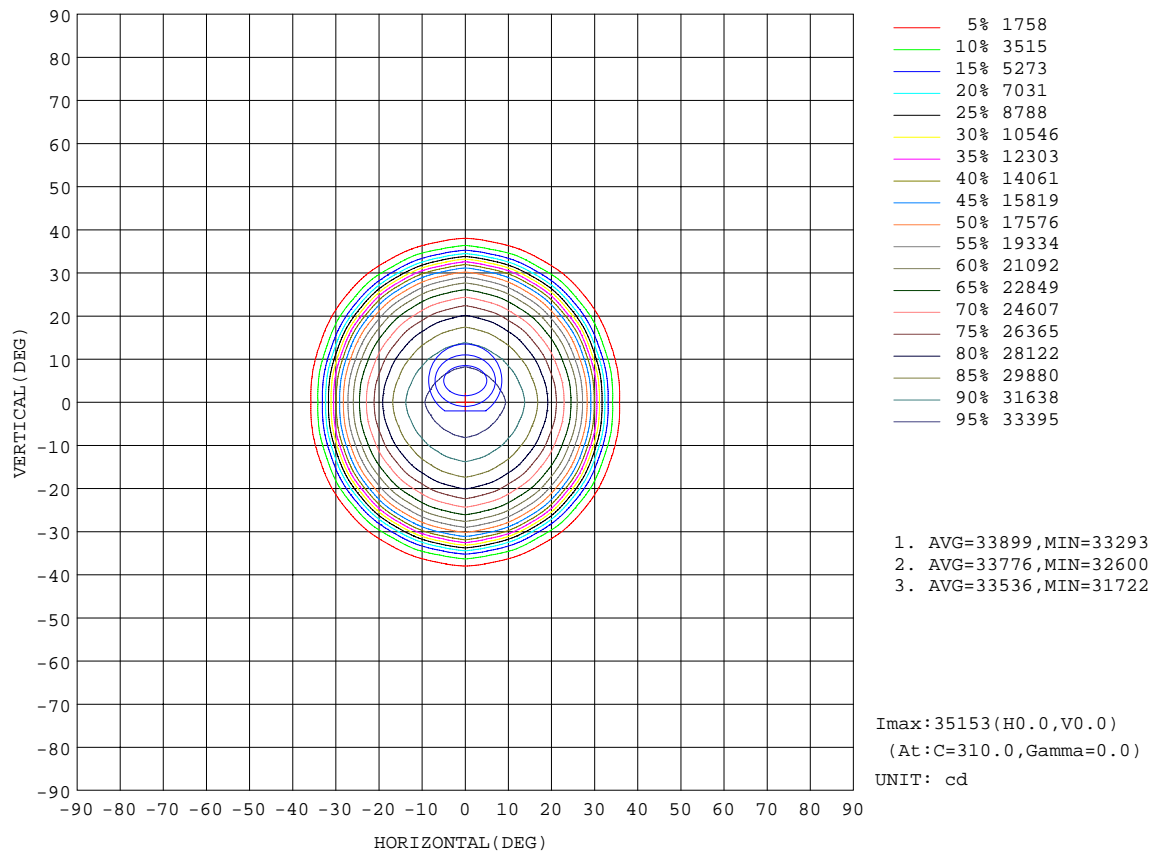
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 90 | 84 | 80 | 89 | 84 | 80 | 89 | 83 | 80 | 77 |
| 0.80 | 97 | 92 | 88 | 96 | 91 | 88 | 95 | 91 | 88 | 84 |
| 1.00 | 101 | 96 | 92 | 100 | 95 | 92 | 98 | 95 | 91 | 88 |
| 1.25 | 104 | 100 | 96 | 103 | 99 | 96 | 102 | 98 | 95 | 91 |
| 1.50 | 107 | 103 | 99 | 106 | 102 | 99 | 104 | 100 | 98 | 94 |
| 2.00 | 109 | 105 | 102 | 108 | 104 | 102 | 105 | 102 | 100 | 95 |
| 2.50 | 111 | 107 | 104 | 109 | 106 | 104 | 106 | 104 | 102 | 96 |
| 3.00 | 112 | 109 | 107 | 111 | 108 | 105 | 107 | 105 | 103 | 97 |
| 4.00 | 114 | 112 | 110 | 112 | 110 | 108 | 109 | 107 | 106 | 99 |
| 5.00 | 115 | 113 | 112 | 113 | 112 | 110 | 109 | 108 | 107 | 100 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|---|------------------|
| Test:U:220.0V I:0.7447A P:153.6W PF:0.9594 Freq:49.99Hz Lamp Flux:25851.9x1 lm | | |
| NAME: AOK oH | TYPE:LED | WEIGHT:4.6KG |
| SPEC.:AOK-150W oH | DIM.: $\phi 0.319 \times 0.138\text{M}$ | SERIAL No.:1 |
| MFR.: AOK | SUR.: $\phi 0.24\text{M}$ | Shielding Angle: |



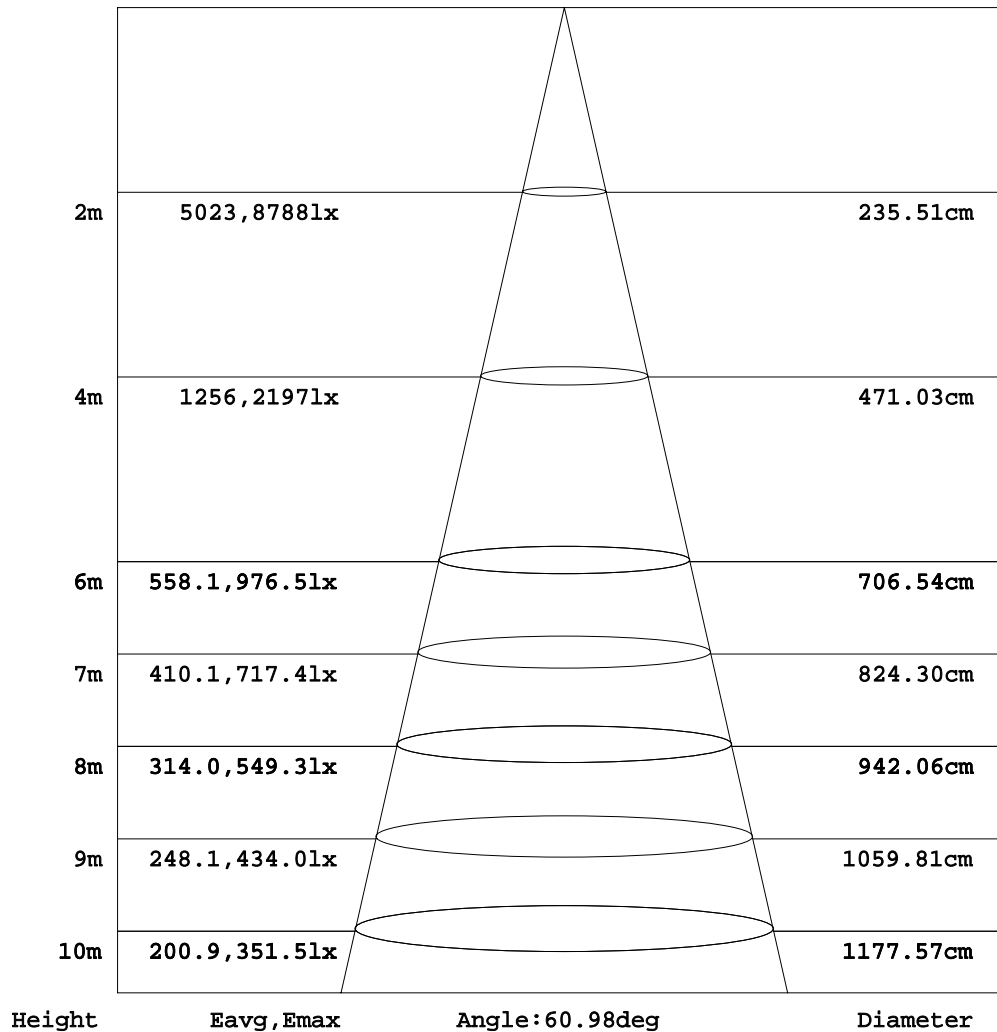
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.633m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|---|------------------|
| Test:U:220.0V I:0.7447A P:153.6W PF:0.9594 Freq:49.99Hz Lamp Flux:25851.9x1 lm | | |
| NAME: AOK oH | TYPE:LED | WEIGHT:4.6KG |
| SPEC.:AOK-150W oH | DIM.: $\phi 0.319 \times 0.138\text{M}$ | SERIAL No.:1 |
| MFR.: AOK | SUR.: $\phi 0.24\text{M}$ | Shielding Angle: |

Flux out:22790 lm



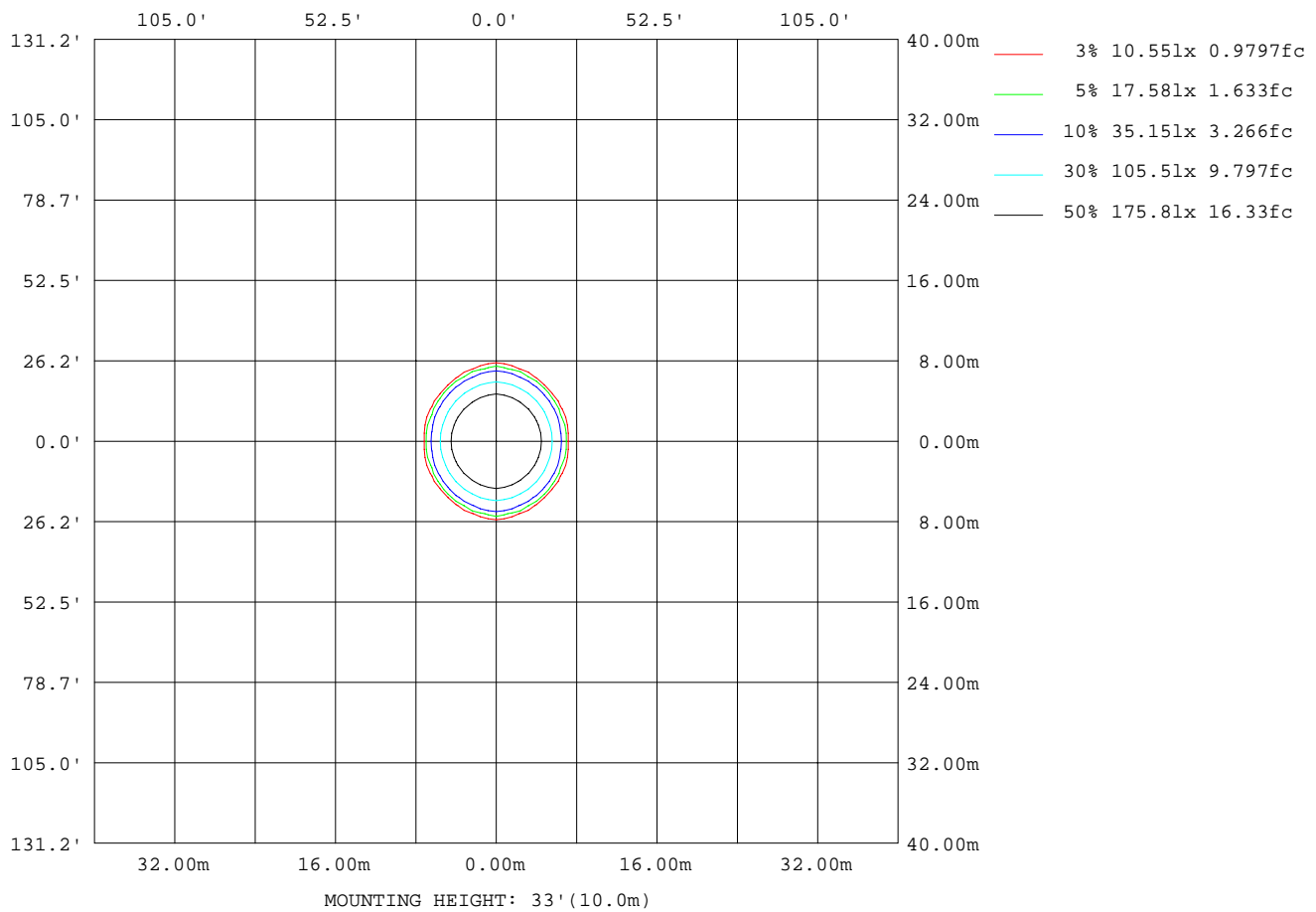
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|----------------------------------|------------------|
| Test:U:220.0V I:0.7447A P:153.6W PF:0.9594 Freq:49.99Hz Lamp Flux:25851.9x1 lm | | |
| NAME: AOK oH | TYPE:LED | WEIGHT:4.6KG |
| SPEC.:AOK-150W oH | DIM.: $\phi 0.319 \times 0.138M$ | SERIAL No.:1 |
| MFR.: AOK | SUR.: $\phi 0.24M$ | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|---------------------------|------------------|
| Test:U:220.0V I:0.7447A P:153.6W PF:0.9594 Freq:49.99Hz Lamp Flux:25851.9x1 lm | | |
| NAME: AOK oH | TYPE:LED | WEIGHT:4.6KG |
| SPEC.:AOK-150W oH | DIM.: ϕ 0.319*0.138M | SERIAL No.:1 |
| MFR.: AOK | SUR.: ϕ 0.24M | Shielding Angle: |

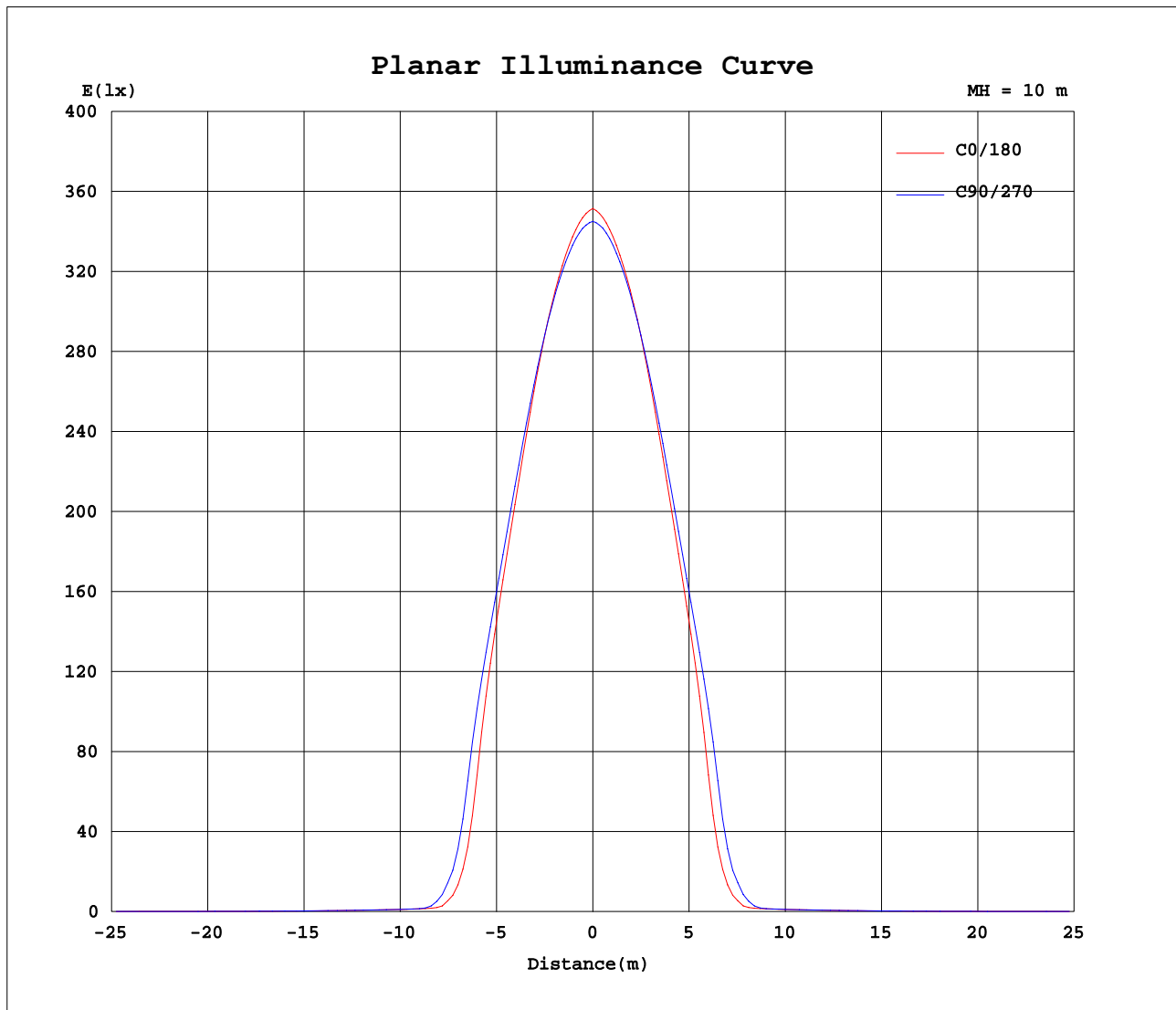
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 3685 |
| L_0~180 (75) av | 2752 |
| L_0~180 (85) av | 104 |
| L_90~270 (65) av | 3945 |
| L_90~270 (75) av | 3463 |
| L_90~270 (85) av | 368 |
| L_45 (65) av | 3785 |
| L_45 (75) av | 3060 |
| L_45 (85) av | 192 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.633m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|----------------------------------|------------------|
| Test:U:220.0V I:0.7447A P:153.6W PF:0.9594 Freq:49.99Hz Lamp Flux:25851.9x1 lm | | |
| NAME: AOK oH | TYPE:LED | WEIGHT:4.6KG |
| SPEC.:AOK-150W oH | DIM.: $\phi 0.319 \times 0.138M$ | SERIAL No.:1 |
| MFR.: AOK | SUR.: $\phi 0.24M$ | Shielding Angle: |

Table--1

UNIT: $\times 10cd$

| C (DEG) γ (DEG) | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 |
| 5 | 3413 | 3412 | 3411 | 3413 | 3412 | 3416 | 3416 | 3422 | 3424 | 3430 | 3424 | 3422 | 3416 | 3416 | 3412 | 3413 | 3411 | 3412 | 3413 |
| 10 | 3285 | 3283 | 3277 | 3280 | 3280 | 3287 | 3289 | 3299 | 3306 | 3321 | 3306 | 3299 | 3289 | 3287 | 3280 | 3280 | 3277 | 3283 | 3285 |
| 15 | 3066 | 3066 | 3057 | 3064 | 3064 | 3077 | 3081 | 3102 | 3114 | 3138 | 3114 | 3102 | 3081 | 3077 | 3064 | 3064 | 3057 | 3066 | 3066 |
| 20 | 2712 | 2712 | 2706 | 2716 | 2724 | 2744 | 2757 | 2789 | 2806 | 2844 | 2806 | 2789 | 2757 | 2744 | 2724 | 2716 | 2706 | 2712 | 2712 |
| 25 | 2204 | 2217 | 2207 | 2232 | 2242 | 2279 | 2294 | 2340 | 2364 | 2416 | 2364 | 2340 | 2294 | 2279 | 2242 | 2232 | 2207 | 2217 | 2204 |
| 30 | 1364 | 1405 | 1404 | 1463 | 1496 | 1569 | 1602 | 1681 | 1723 | 1803 | 1723 | 1681 | 1602 | 1569 | 1496 | 1463 | 1404 | 1405 | 1364 |
| 35 | 242 | 282 | 262 | 316 | 312 | 384 | 383 | 453 | 486 | 576 | 486 | 453 | 383 | 384 | 312 | 316 | 262 | 282 | 242 |
| 40 | 38.5 | 38.6 | 38.2 | 38.8 | 39.2 | 41.1 | 42.5 | 48.3 | 52.7 | 65.2 | 52.7 | 48.3 | 42.5 | 41.1 | 39.2 | 38.8 | 38.2 | 38.6 | 38.5 |
| 45 | 32.1 | 32.1 | 32.0 | 32.2 | 32.3 | 32.6 | 32.7 | 33.0 | 33.0 | 33.2 | 33.0 | 33.0 | 32.7 | 32.6 | 32.3 | 32.2 | 32.0 | 32.1 | 32.1 |
| 50 | 27.3 | 27.6 | 27.6 | 27.9 | 27.9 | 28.3 | 28.4 | 28.8 | 28.9 | 29.3 | 28.9 | 28.8 | 28.4 | 28.3 | 27.9 | 27.9 | 27.6 | 27.6 | 27.3 |
| 55 | 22.6 | 22.6 | 22.8 | 23.1 | 23.1 | 23.4 | 23.6 | 23.9 | 24.0 | 24.5 | 24.0 | 23.9 | 23.6 | 23.4 | 23.1 | 23.1 | 22.8 | 22.6 | 22.6 |
| 60 | 18.9 | 18.9 | 19.0 | 19.4 | 19.2 | 19.4 | 19.6 | 19.9 | 19.7 | 20.1 | 19.7 | 19.9 | 19.6 | 19.4 | 19.2 | 19.4 | 19.0 | 18.9 | 18.9 |
| 65 | 15.6 | 15.5 | 15.6 | 15.9 | 15.9 | 16.1 | 16.3 | 16.6 | 16.4 | 16.7 | 16.4 | 16.6 | 16.3 | 16.1 | 15.9 | 15.9 | 15.6 | 15.5 | 15.6 |
| 70 | 11.7 | 11.7 | 11.8 | 12.2 | 12.1 | 12.4 | 12.7 | 13.0 | 12.7 | 13.1 | 12.7 | 13.0 | 12.7 | 12.4 | 12.1 | 12.2 | 11.8 | 11.7 | 11.7 |
| 75 | 7.12 | 7.30 | 7.42 | 7.73 | 7.72 | 8.16 | 8.45 | 8.80 | 8.63 | 8.96 | 8.63 | 8.80 | 8.45 | 8.16 | 7.72 | 7.73 | 7.42 | 7.30 | 7.12 |
| 80 | 1.74 | 1.99 | 2.13 | 2.42 | 2.45 | 2.84 | 3.15 | 3.59 | 3.54 | 3.85 | 3.54 | 3.59 | 3.15 | 2.84 | 2.45 | 2.42 | 2.13 | 1.99 | 1.74 |
| 85 | 0.09 | 0.10 | 0.11 | 0.13 | 0.15 | 0.18 | 0.21 | 0.25 | 0.27 | 0.32 | 0.27 | 0.25 | 0.21 | 0.18 | 0.15 | 0.13 | 0.11 | 0.10 | 0.09 |
| 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: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.633m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|---------------------------|--|--|--|--|--|------------------|--|--|
| Test:U:220.0V I:0.7447A P:153.6W PF:0.9594 Freq:49.99Hz Lamp Flux:25851.9x1 lm | | | | | | | | | | | | | | | | | |
| NAME: AOK oH | | | | | | | | | TYPE:LED | | | | | | WEIGHT:4.6KG | | |
| SPEC.:AOK-150W oH | | | | | | | | | DIM.: ϕ 0.319*0.138M | | | | | | SERIAL No.:1 | | |
| MFR.: AOK | | | | | | | | | SUR.: ϕ 0.24M | | | | | | Shielding Angle: | | |

Table--2

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

| C (DEG) γ (DEG) | 190 | 200 | 210 | 220 | 230 | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 | 320 | 330 | 340 | 350 | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| 0 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | 3478 | | |
| 5 | 3412 | 3411 | 3413 | 3412 | 3416 | 3416 | 3422 | 3424 | 3430 | 3424 | 3422 | 3416 | 3416 | 3412 | 3413 | 3411 | 3412 | | |
| 10 | 3283 | 3277 | 3280 | 3280 | 3287 | 3289 | 3299 | 3306 | 3321 | 3306 | 3299 | 3289 | 3287 | 3280 | 3280 | 3277 | 3283 | | |
| 15 | 3066 | 3057 | 3064 | 3064 | 3077 | 3081 | 3102 | 3114 | 3138 | 3114 | 3102 | 3081 | 3077 | 3064 | 3064 | 3057 | 3066 | | |
| 20 | 2712 | 2706 | 2716 | 2724 | 2744 | 2757 | 2789 | 2806 | 2844 | 2806 | 2789 | 2757 | 2744 | 2724 | 2716 | 2706 | 2712 | | |
| 25 | 2217 | 2207 | 2232 | 2242 | 2279 | 2294 | 2340 | 2364 | 2416 | 2364 | 2340 | 2294 | 2279 | 2242 | 2232 | 2207 | 2217 | | |
| 30 | 1405 | 1404 | 1463 | 1496 | 1569 | 1602 | 1681 | 1723 | 1803 | 1723 | 1681 | 1602 | 1569 | 1496 | 1463 | 1404 | 1405 | | |
| 35 | 282 | 262 | 316 | 312 | 384 | 383 | 453 | 486 | 576 | 486 | 453 | 383 | 384 | 312 | 316 | 262 | 282 | | |
| 40 | 38.6 | 38.2 | 38.8 | 39.2 | 41.1 | 42.5 | 48.3 | 52.7 | 65.2 | 52.7 | 48.3 | 42.5 | 41.1 | 39.2 | 38.8 | 38.2 | 38.6 | | |
| 45 | 32.1 | 32.0 | 32.2 | 32.3 | 32.6 | 32.7 | 33.0 | 33.0 | 33.2 | 33.0 | 33.0 | 32.7 | 32.6 | 32.3 | 32.2 | 32.0 | 32.1 | | |
| 50 | 27.6 | 27.6 | 27.9 | 27.9 | 28.3 | 28.4 | 28.8 | 28.9 | 29.3 | 28.9 | 28.8 | 28.4 | 28.3 | 27.9 | 27.9 | 27.6 | 27.6 | | |
| 55 | 22.6 | 22.8 | 23.1 | 23.1 | 23.4 | 23.6 | 23.9 | 24.0 | 24.5 | 24.0 | 23.9 | 23.6 | 23.4 | 23.1 | 23.1 | 22.8 | 22.6 | | |
| 60 | 18.9 | 19.0 | 19.4 | 19.2 | 19.4 | 19.6 | 19.9 | 19.7 | 20.1 | 19.7 | 19.9 | 19.6 | 19.4 | 19.2 | 19.4 | 19.0 | 18.9 | | |
| 65 | 15.5 | 15.6 | 15.9 | 15.9 | 16.1 | 16.3 | 16.6 | 16.4 | 16.7 | 16.4 | 16.6 | 16.3 | 16.1 | 15.9 | 15.9 | 15.6 | 15.5 | | |
| 70 | 11.7 | 11.8 | 12.2 | 12.1 | 12.4 | 12.7 | 13.0 | 12.7 | 13.1 | 12.7 | 13.0 | 12.7 | 12.4 | 12.1 | 12.2 | 11.8 | 11.7 | | |
| 75 | 7.30 | 7.42 | 7.73 | 7.72 | 8.16 | 8.45 | 8.80 | 8.63 | 8.96 | 8.63 | 8.80 | 8.45 | 8.16 | 7.72 | 7.73 | 7.42 | 7.30 | | |
| 80 | 1.99 | 2.13 | 2.42 | 2.45 | 2.84 | 3.15 | 3.59 | 3.54 | 3.85 | 3.54 | 3.59 | 3.15 | 2.84 | 2.45 | 2.42 | 2.13 | 1.99 | | |
| 85 | 0.10 | 0.11 | 0.13 | 0.15 | 0.18 | 0.21 | 0.25 | 0.27 | 0.32 | 0.27 | 0.25 | 0.21 | 0.18 | 0.15 | 0.13 | 0.11 | 0.10 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| 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 | | |

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks: