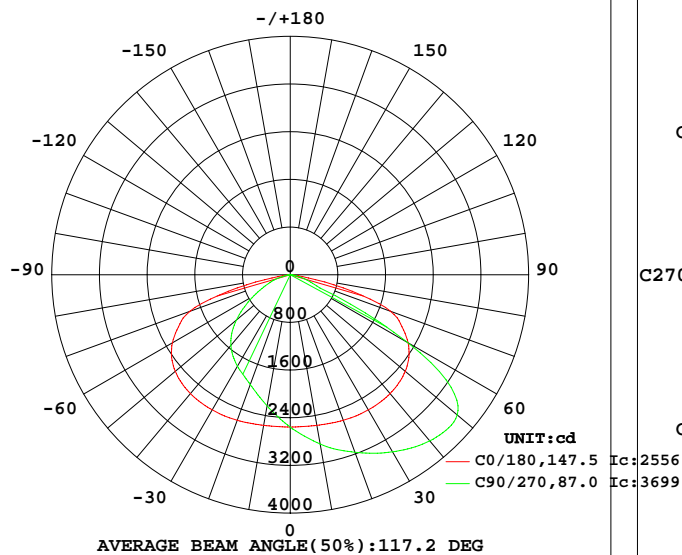
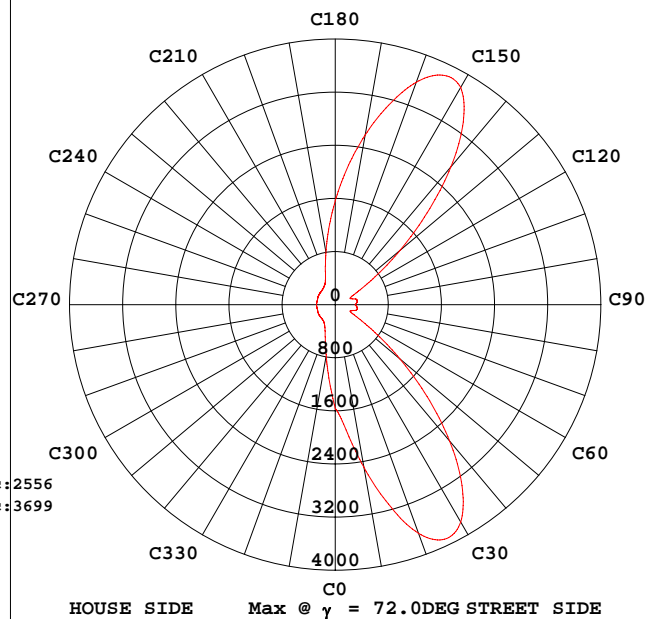


STREETLIGHT PHOTOMETRIC TEST REPORT

| | | |
|--|-----------------------|------------------|
| Test:U:219.3V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10383.9x1 lm | | |
| NAME: AOK IL02 | TYPE:LED Street Light | WEIGHT:3.5kg |
| SPEC.:AOK-70WiL02-NV-L3-00-5070-T321-P | DIM.: 470*290*60mm | SERIAL No.: |
| MFR.: AOK | SUR.:150*150mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 148.89 lm/W | | | |
|------------------|---------|-----------------------------------|----------|------------------|---------|
| MODEL | 3030 | I _{max} (cd) | 3779 | η street_up(%) | 0.0 |
| NOMINAL POWER(W) | 70 | LOR(%) | 100.0 | η street_down(%) | 68.2 |
| RATED VOLTAGE(V) | 220.0 | TOTAL FLUX(lm) | 10384 | η house_up(%) | 0.0 |
| NOMINAL FLUX(lm) | 10383.9 | MAXIMUM @(C,γ) | 150,72.0 | η house_down(%) | 31.8 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | 76 FLASHAREA(m2) | 0.00100 |
| TEST VOLTAGE(V) | 220 | η down(%) | 100.0 | SLI | 19.733 |

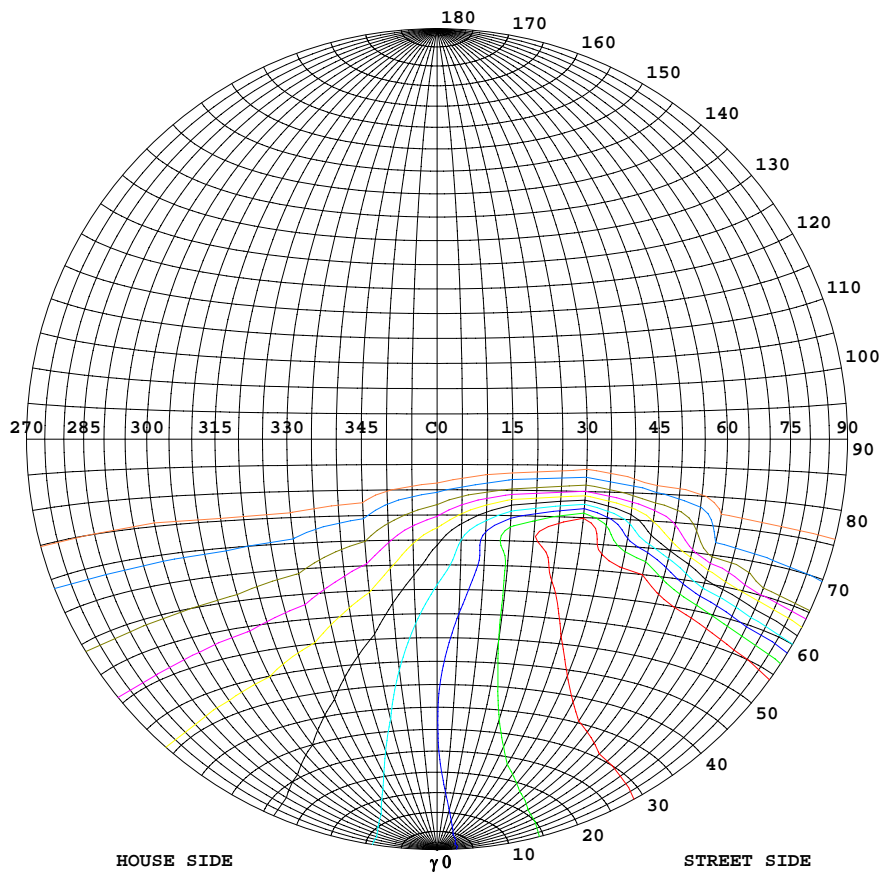
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

| | | |
|--|-----------------------|------------------|
| Test:U:219.3V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10383.9x1 lm | | |
| NAME: AOK IL02 | TYPE:LED Street Light | WEIGHT:3.5kg |
| SPEC.:AOK-70WiL02-NV-L3-00-5070-T321-P | DIM.: 470*290*60mm | SERIAL No.: |
| MFR.: AOK | SUR.:150*150mm | Shielding Angle: |



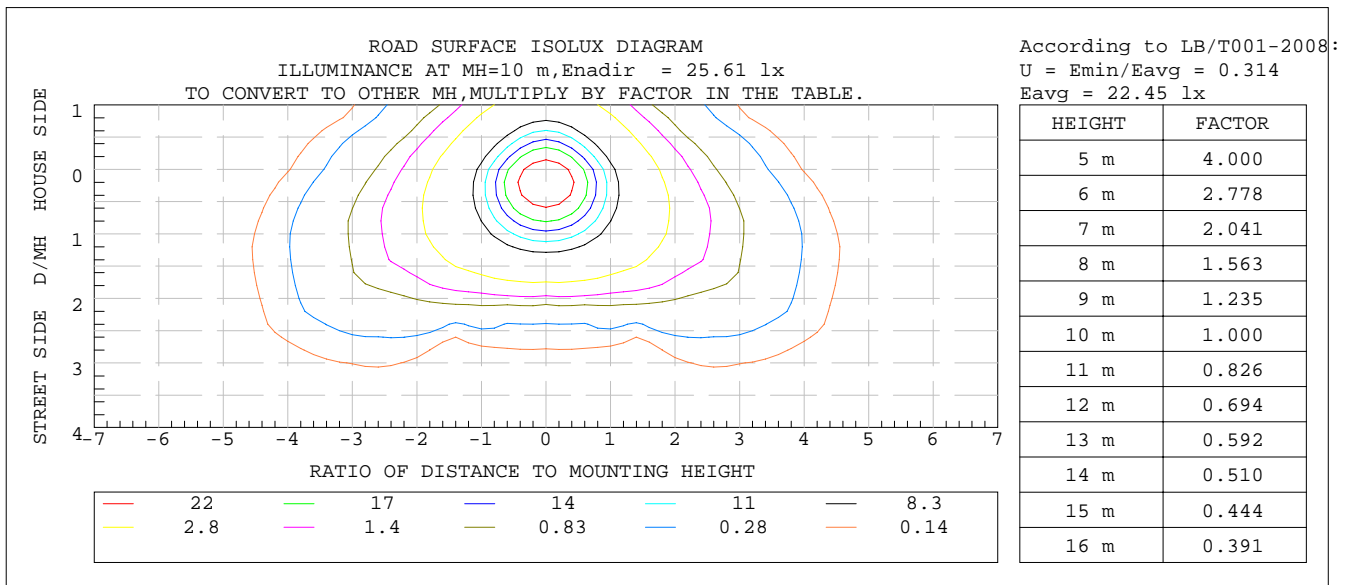
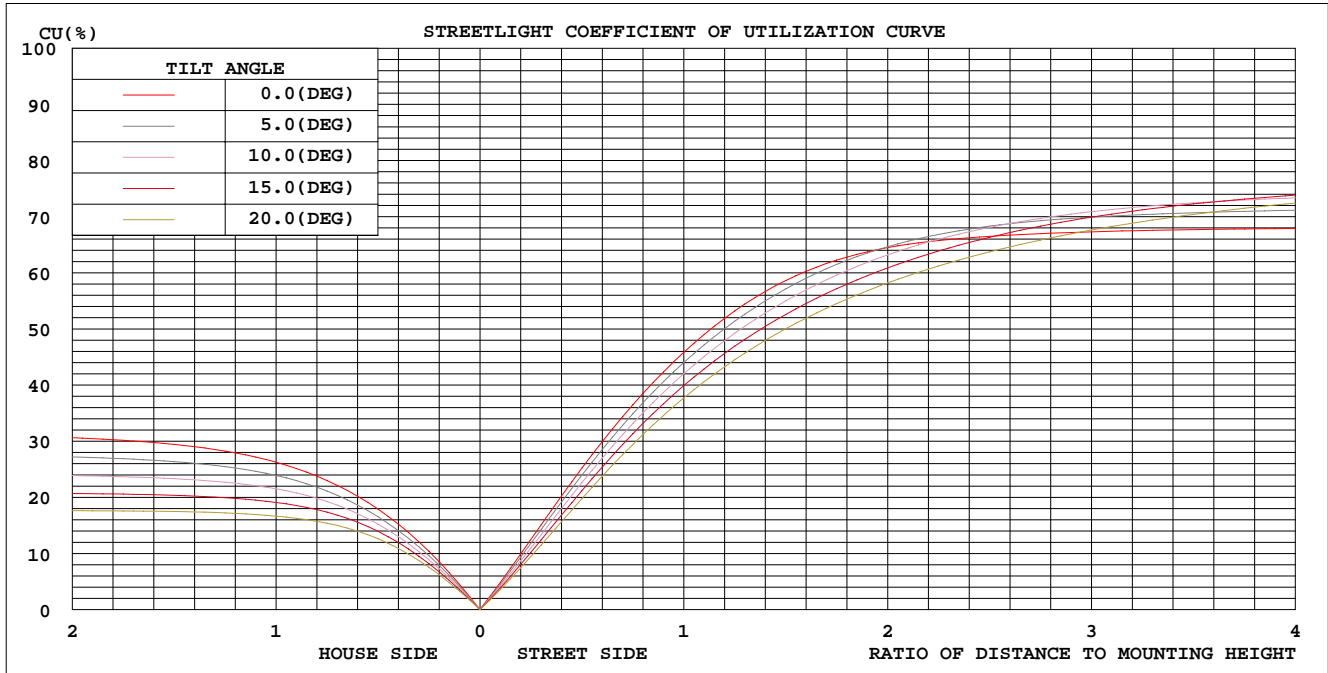
Classification:

IES:Type III - Medium
 CIE:Broad - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:109.7cd/klm
 Max.At90:0cd/klm
 Max.80-90:109.7cd/klm
 NRB 5101:Limited[5.1%]

| ISOCANDELA DIAGRAM | |
|--------------------|------|
| UNIT | cd |
| Imax=100% | 3779 |
| 90% | 3401 |
| 80% | 3023 |
| 70% | 2645 |
| 60% | 2267 |
| 50% | 1889 |
| 40% | 1511 |
| 30% | 1134 |
| 20% | 756 |
| 10% | 378 |
| 5% | 189 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

| | | |
|--|-----------------------|------------------|
| Test:U:219.3V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10383.9x1 lm | | |
| NAME: AOK IL02 | TYPE:LED Street Light | WEIGHT:3.5kg |
| SPEC.:AOK-70WiL02-NV-L3-00-5070-T321-P | DIM.: 470*290*60mm | SERIAL No.: |
| MFR.: AOK | SUR.:150*150mm | Shielding Angle: |

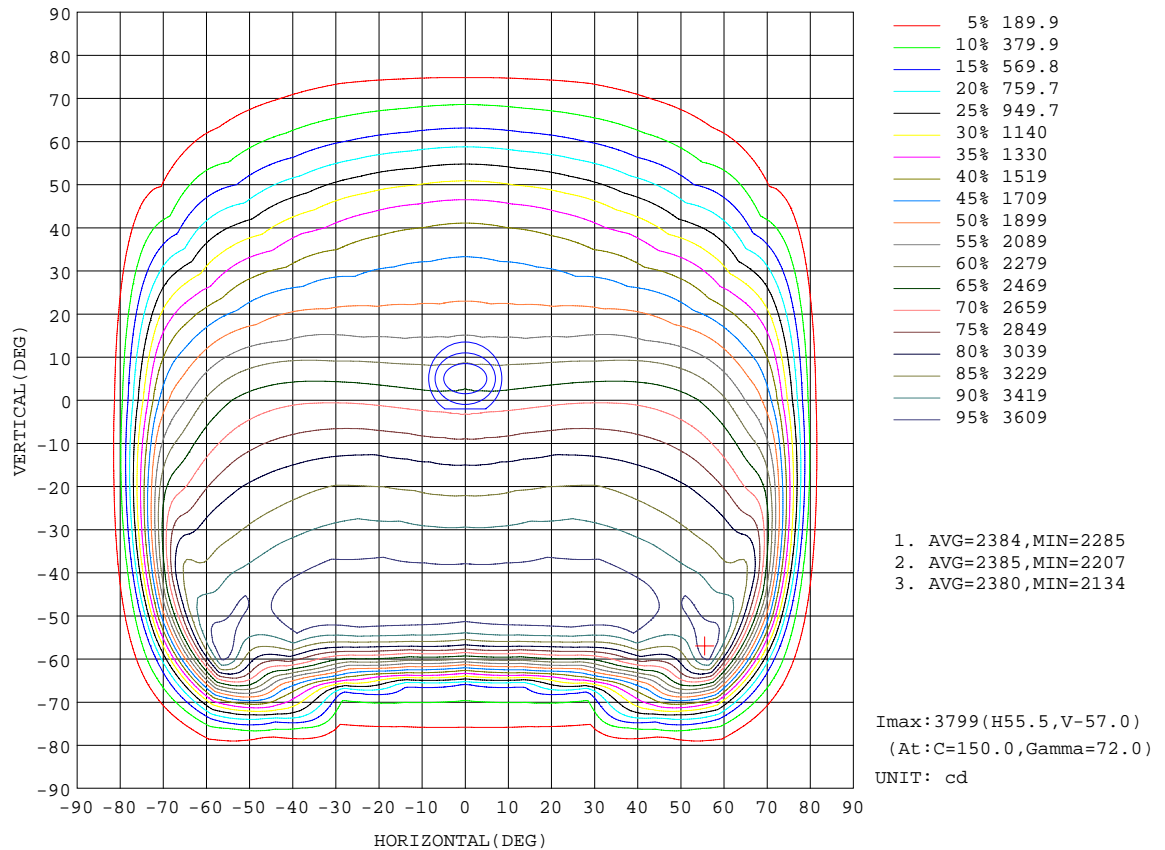
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | Φ lum,lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------------|
| 10 | 2565 | 2793 | 2882 | 2793 | 2565 | 2323 | 2236 | 2323 | 0- 10 | 244.0 | 244.0 | 2.35,2.35 |
| 20 | 2599 | 3057 | 3170 | 3057 | 2599 | 2100 | 1963 | 2100 | 10- 20 | 728.8 | 972.8 | 9.37,9.37 |
| 30 | 2619 | 3280 | 3430 | 3280 | 2619 | 1900 | 1773 | 1900 | 20- 30 | 1199 | 2172 | 20.9,20.9 |
| 40 | 2605 | 3480 | 3640 | 3480 | 2605 | 1664 | 1550 | 1664 | 30- 40 | 1630 | 3802 | 36.6,36.6 |
| 50 | 2519 | 3660 | 3656 | 3660 | 2519 | 1329 | 1178 | 1329 | 40- 50 | 1965 | 5768 | 55.5,55.5 |
| 60 | 2284 | 3736 | 2271 | 3736 | 2284 | 822.6 | 702.8 | 822.6 | 50- 60 | 2068 | 7836 | 75.5,75.5 |
| 70 | 1788 | 2441 | 367.0 | 2441 | 1788 | 359.3 | 340.2 | 359.3 | 60- 70 | 1614 | 9450 | 91,91 |
| 80 | 311.5 | 409.1 | 87.08 | 409.1 | 311.5 | 81.65 | 74.62 | 81.65 | 70- 80 | 858.7 | 10308 | 99.3,99.3 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 75.56 | 10384 | 100,100 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 10384 | 100,100 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 10384 | 100,100 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 10384 | 100,100 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 10384 | 100,100 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 10384 | 100,100 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 10384 | 100,100 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 10384 | 100,100 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 10384 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 10384 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

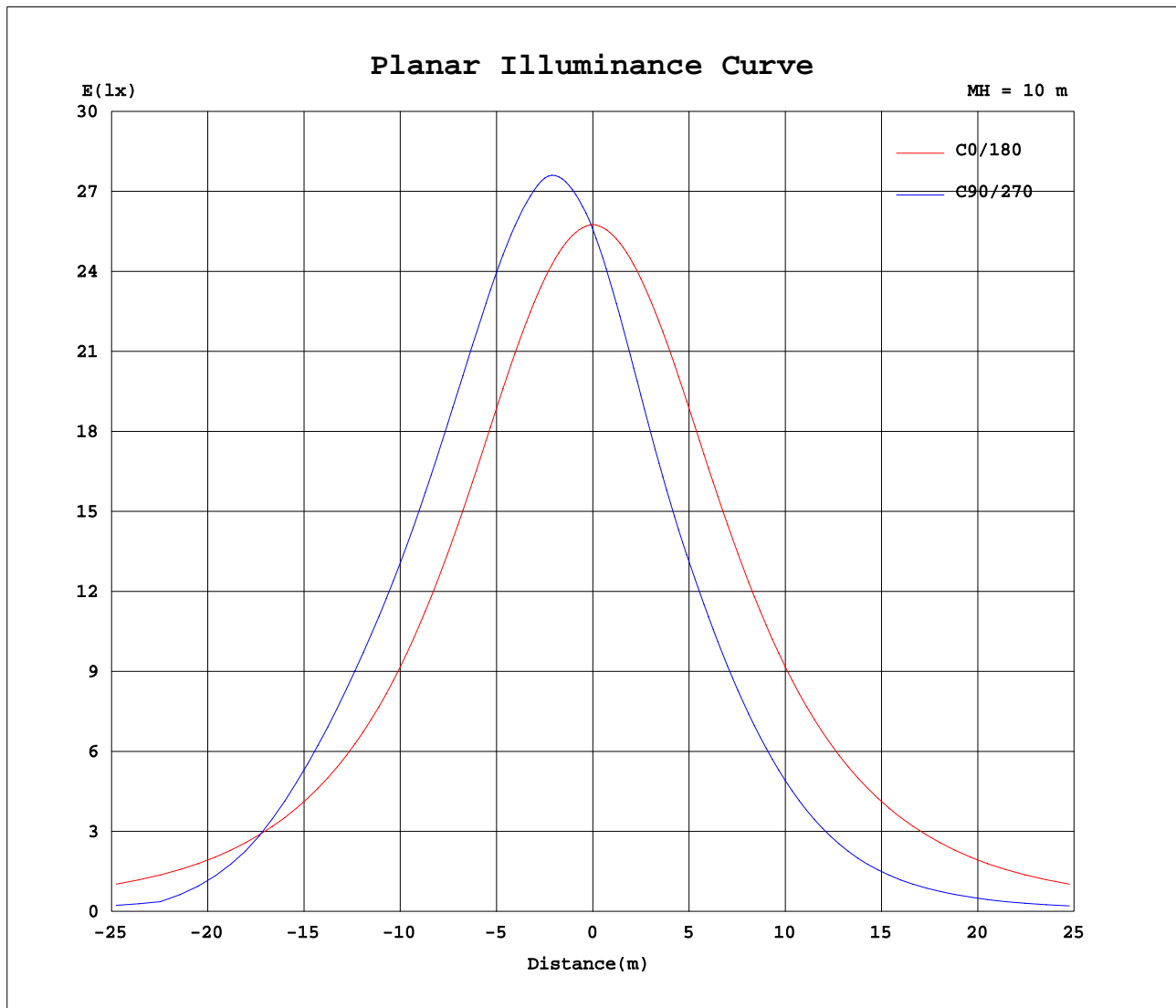
| | | |
|--|-----------------------|------------------|
| Test:U:219.3V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10383.9x1 lm | | |
| NAME: AOK IL02 | TYPE:LED Street Light | WEIGHT:3.5kg |
| SPEC.:AOK-70WiL02-NV-L3-00-5070-T321-P | DIM.: 470*290*60mm | SERIAL No.: |
| MFR.: AOK | SUR.:150*150mm | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

Planar Illuminance Curve



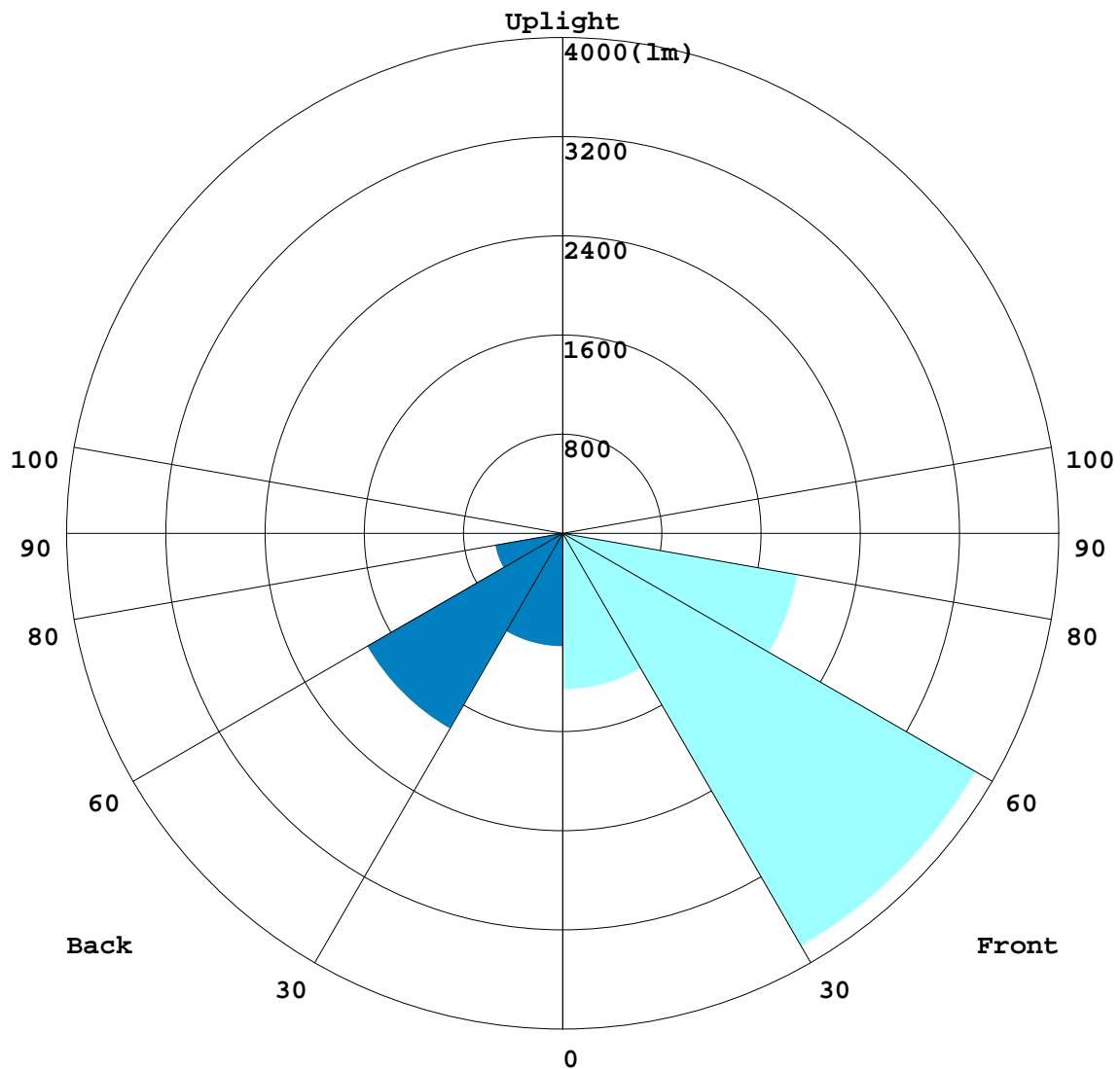
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

LCS REPORT

| | | |
|--|-----------------------|------------------|
| Test:U:219.3V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10383.9x1 lm | | |
| NAME: AOK IL02 | TYPE:LED Street Light | WEIGHT:3.5kg |
| SPEC.:AOK-70WiL02-NV-L3-00-5070-T321-P | DIM.: 470*290*60mm | SERIAL No.: |
| MFR.: AOK | SUR.:150*150mm | Shielding Angle: |

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

BUG REPORT

| | | |
|--|-----------------------|------------------|
| Test:U:219.3V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10383.9x1 lm | | |
| NAME: AOK IL02 | TYPE:LED Street Light | WEIGHT:3.5kg |
| SPEC.:AOK-70WiL02-NV-L3-00-5070-T321-P | DIM.: 470*290*60mm | SERIAL No.: |
| MFR.: AOK | SUR.:150*150mm | Shielding Angle: |

IESNA Luminaire Flux Distribution Table:

| Zone | Lumens | Luminaire % |
|------------------------------|--------|-------------|
| FL - Front-Low(0-30) | 1259.4 | 12.1 |
| FM - Front-Medium(30-60) | 3843.7 | 37.0 |
| FH - Front-High(60-80) | 1920.8 | 18.5 |
| FVH - Front-Very High(80-90) | 58.243 | 0.6 |
| Total Forward Light | 7082.1 | 68.2 |

| | | |
|-----------------------------|--------|------|
| BL - Back-Low(0-30) | 912.52 | 8.8 |
| BM - Back-Medium(30-60) | 1820 | 17.5 |
| BH - Back-High(60-80) | 551.91 | 5.3 |
| BVH - Back-Very High(80-90) | 17.319 | 0.2 |
| Total Back Light | 3301.8 | 31.8 |

| | | |
|----------------------------|---|-----|
| UL - Uplight-Low(90-100) | 0 | 0.0 |
| UH - Uplight-High(100-180) | 0 | 0.0 |
| Total Up Light | 0 | 0.0 |

| | |
|---------------------------|----------|
| BUG(Back,Up,Glare) Rating | B2-U0-G2 |
|---------------------------|----------|

| Zone | Downward Lumens | Upward Lumens | Total Lumens |
|-------------|--------------------|------------------|-----------------|
| House Side | 3301.8 | 0 | 3301.8 |
| Street Side | 7082.1 | 0 | 7082.1 |

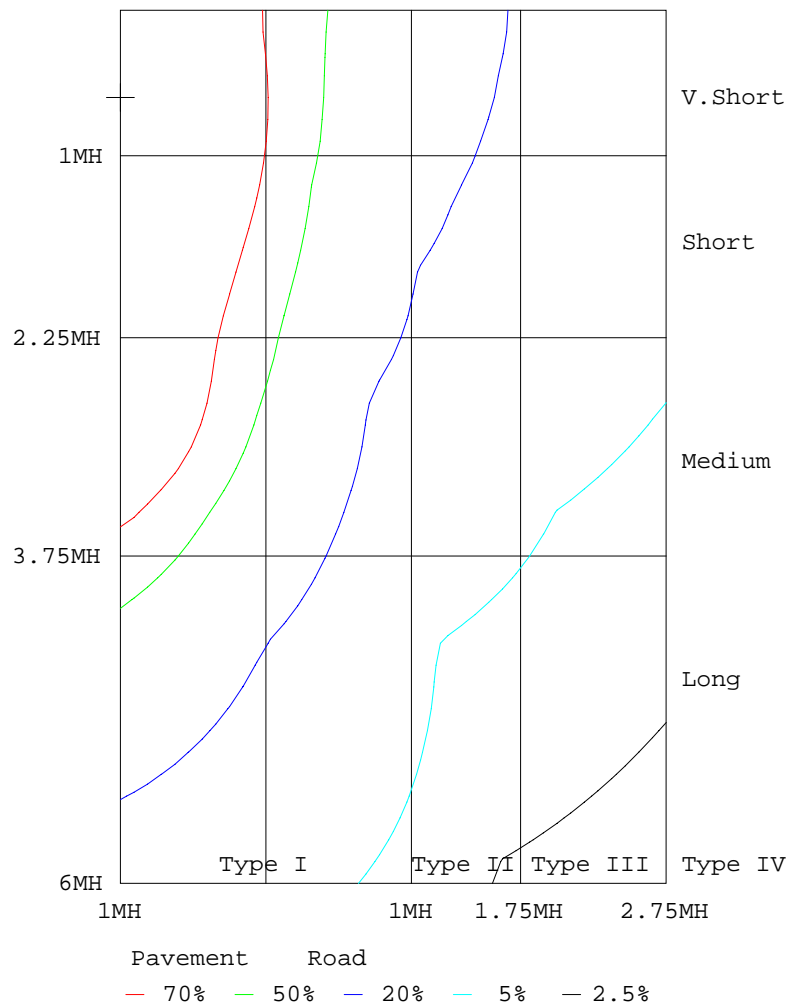
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

| | | |
|--|-----------------------|------------------|
| Test:U:219.3V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10383.9x1 lm | | |
| NAME: AOK IL02 | TYPE:LED Street Light | WEIGHT:3.5kg |
| SPEC.:AOK-70WiL02-NV-L3-00-5070-T321-P | DIM.: 470*290*60mm | SERIAL No.: |
| MFR.: AOK | SUR.:150*150mm | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

```

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

```

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-----------------------|------------------|
| Test:U:219.3V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10383.9x1 lm | | |
| NAME: AOK IL02 | TYPE:LED Street Light | WEIGHT:3.5kg |
| SPEC.:AOK-70WiL02-NV-L3-00-5070-T321-P | DIM.: 470*290*60mm | SERIAL No.: |
| MFR.: AOK | SUR.:150*150mm | Shielding Angle: |

Table--2

UNIT: cd

| C(DEC) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | |
|---------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| γ (DEC) | | | | | | | | | | | | | | | | | | |
| 0 | 2556 | 2556 | 2556 | 2556 | 2556 | | | | | | | | | | | | | |
| 5 | 2394 | 2411 | 2436 | 2471 | 2512 | | | | | | | | | | | | | |
| 10 | 2242 | 2272 | 2323 | 2392 | 2475 | | | | | | | | | | | | | |
| 15 | 2099 | 2139 | 2209 | 2314 | 2440 | | | | | | | | | | | | | |
| 20 | 1971 | 2015 | 2100 | 2232 | 2404 | | | | | | | | | | | | | |
| 25 | 1866 | 1908 | 1994 | 2145 | 2364 | | | | | | | | | | | | | |
| 30 | 1777 | 1810 | 1900 | 2058 | 2315 | | | | | | | | | | | | | |
| 35 | 1675 | 1706 | 1788 | 1967 | 2254 | | | | | | | | | | | | | |
| 40 | 1553 | 1587 | 1664 | 1856 | 2176 | | | | | | | | | | | | | |
| 45 | 1393 | 1435 | 1517 | 1710 | 2074 | | | | | | | | | | | | | |
| 50 | 1181 | 1237 | 1329 | 1528 | 1937 | | | | | | | | | | | | | |
| 55 | 939 | 993 | 1094 | 1296 | 1753 | | | | | | | | | | | | | |
| 60 | 699 | 742 | 823 | 1018 | 1500 | | | | | | | | | | | | | |
| 65 | 487 | 519 | 564 | 706 | 1171 | | | | | | | | | | | | | |
| 70 | 333 | 346 | 359 | 421 | 749 | | | | | | | | | | | | | |
| 75 | 191 | 206 | 203 | 222 | 332 | | | | | | | | | | | | | |
| 80 | 72.0 | 89.9 | 81.6 | 91.6 | 111 | | | | | | | | | | | | | |
| 85 | 17.2 | 18.0 | 17.4 | 20.6 | 24.1 | | | | | | | | | | | | | |
| 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:
Test Date:2020-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks: