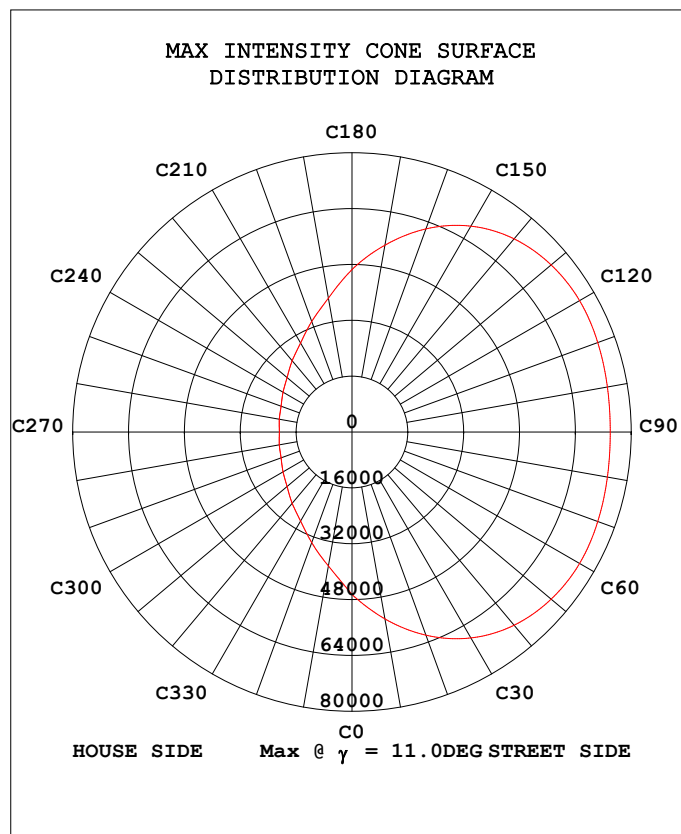
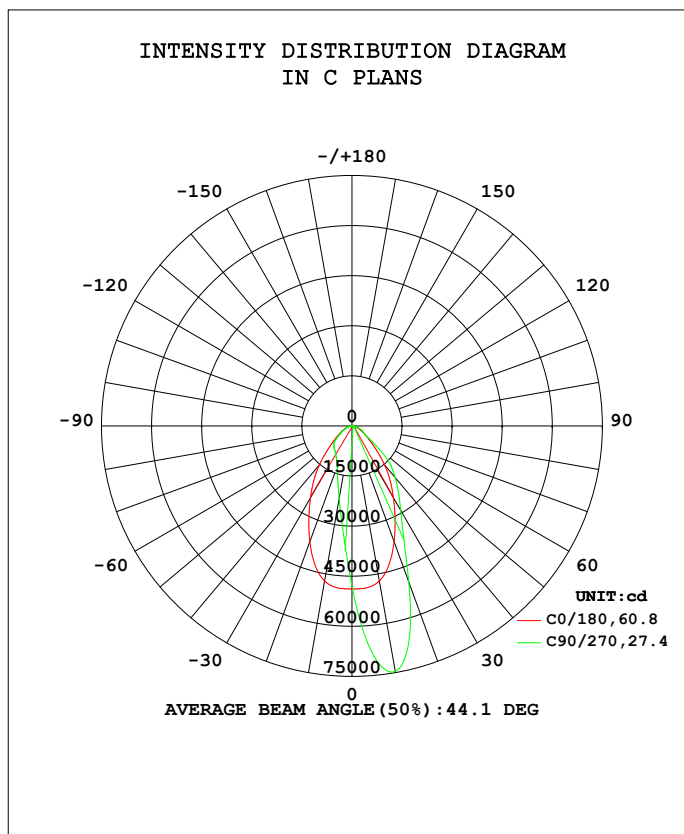


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

| | | |
|--|-------|------------------|
| Test:U:229.7V I:1.7530A P:397.77W PF:0.9878 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:62647.9x1 lm | | |
| NAME: FL23-400-5070-F12203 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

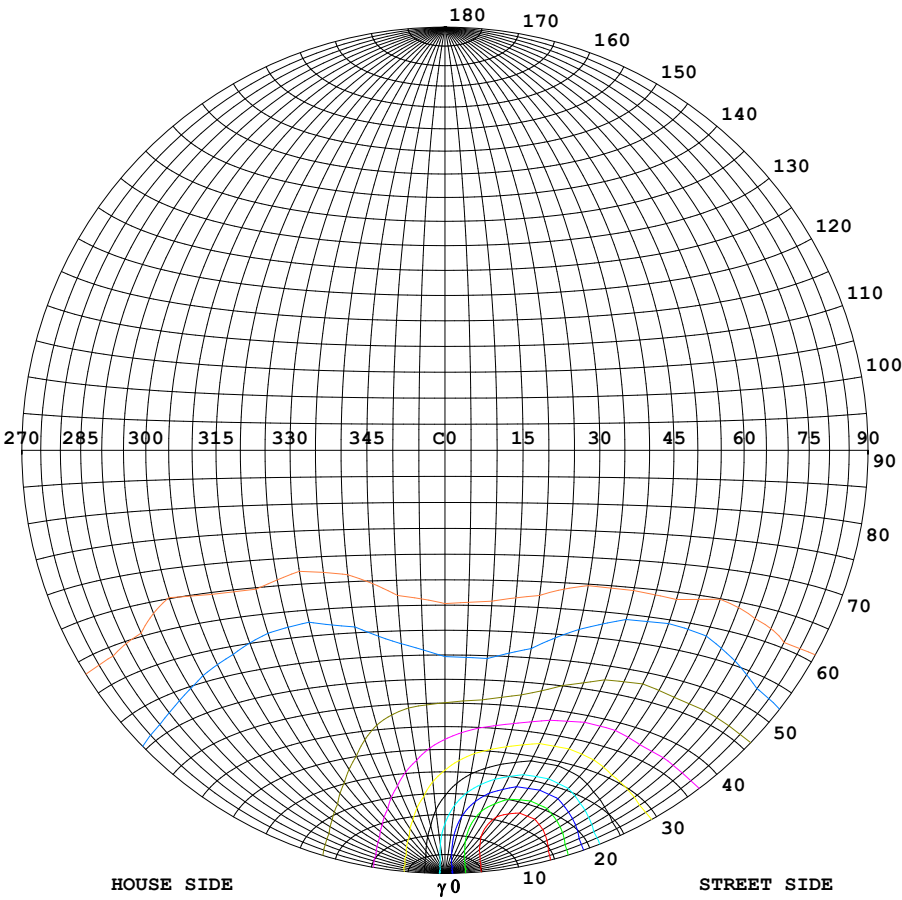
| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 157.50 lm/W | | | |
|-------------------|---------|-----------------------------------|---------|------------------------------|------|
| MODEL | / | I _{max} (cd) | 75290 | η _{street_up} (%) | 0.0 |
| NOMINAL POWER (W) | / | LOR (%) | 100.0 | η _{street_down} (%) | 65.3 |
| RATED VOLTAGE (V) | / | TOTAL FLUX (lm) | 62648 | η _{house_up} (%) | 0.0 |
| NOMINAL FLUX (lm) | 62647.9 | MAXIMUM @ (C, γ) | 60,11.0 | η _{house_down} (%) | 34.7 |
| LAMPS INSIDE | 1 | η _{up} (%) | 0.0 | 76 FLASHAREA (m2) | |
| TEST VOLTAGE (V) | / | η _{down} (%) | 100.0 | SLI | |



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LYJ
Test Date:2022-10-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4548]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

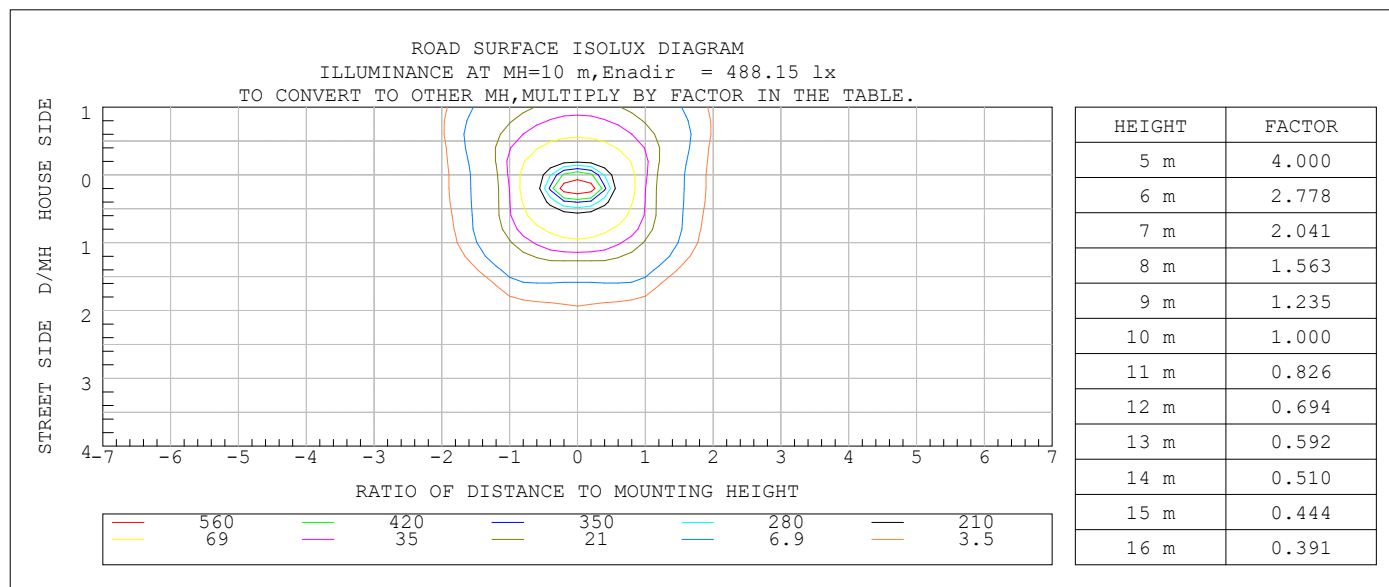
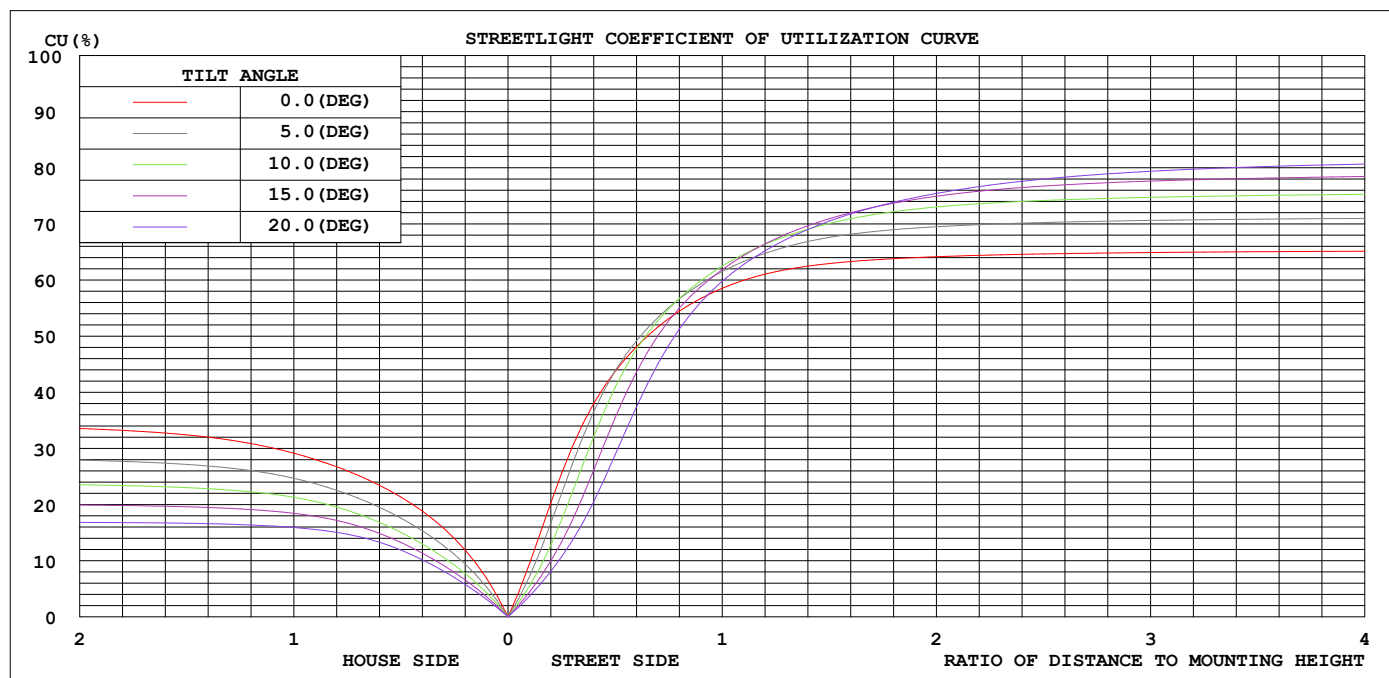


Classification:
IES:Type I - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:14.16cd/klm
Max.At90:0.0562cd/klm
Max.80-90:14.16cd/klm

| ISOCANDELA DIAGRAM | | |
|--------------------|-----|-------|
| UNIT | | cd |
| Imax=100% | | 75290 |
| — | 90% | 67761 |
| — | 80% | 60232 |
| — | 70% | 52703 |
| — | 60% | 45174 |
| — | 50% | 37645 |
| — | 40% | 30116 |
| — | 30% | 22587 |
| — | 20% | 15058 |
| — | 10% | 7529 |
| — | 5% | 3765 |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LYJ
Test Date:2022-10-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4548]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 2022-10-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity: 65.0%
Test Distance: 26.000m [K=0.4548]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

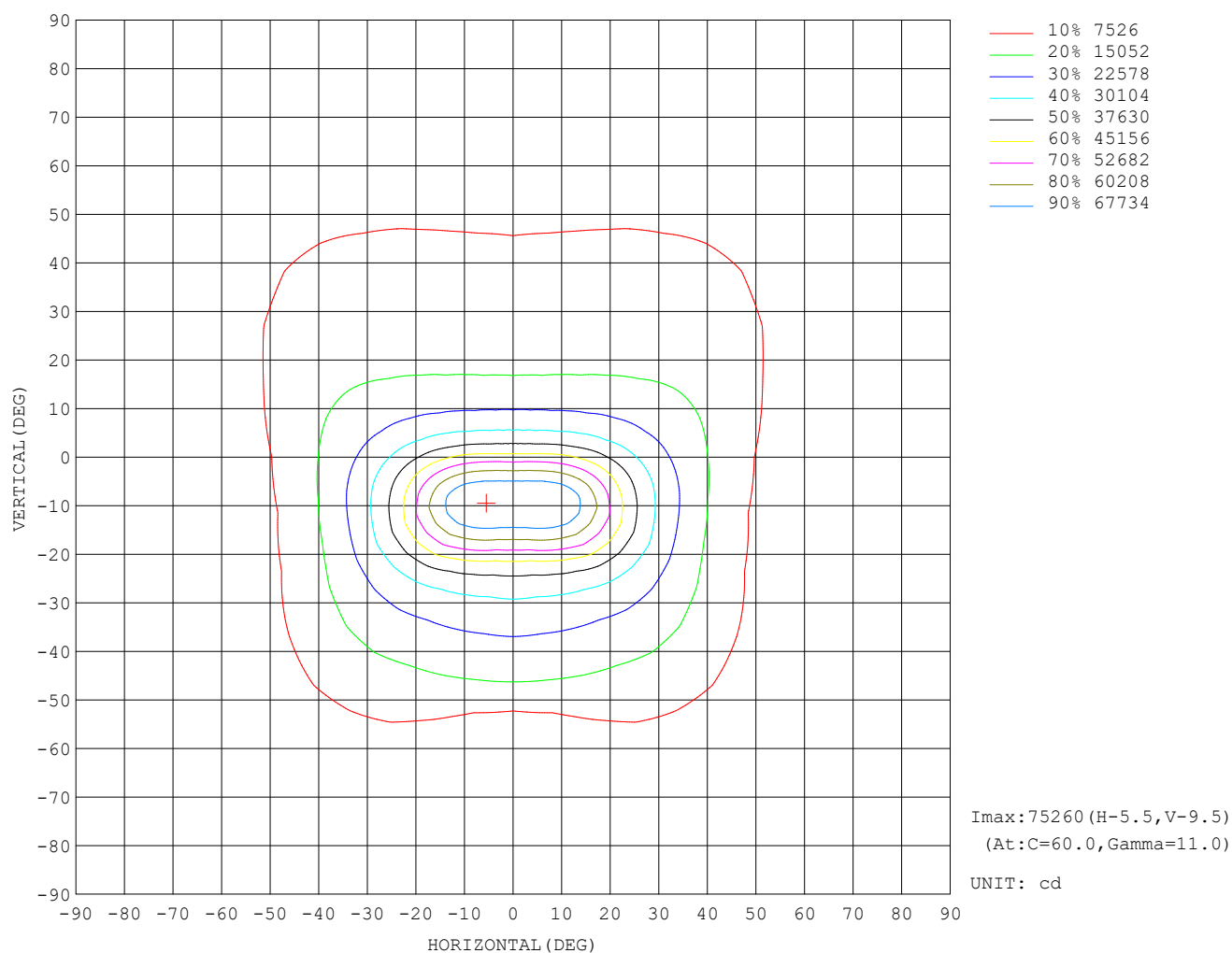
ZONAL FLUX DIAGRAM

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|--------------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 4713 | 7249 | 7462 | 7249 | 4713 | 2686 | 2216 | 2686 | 0- 10 | 4682 | 4682 | 7.47,7.47 |
| 20 | 3689 | 6189 | 4970 | 6189 | 3689 | 1705 | 1295 | 1705 | 10- 20 | 12282 | 16964 | 27.1,27.1 |
| 30 | 2484 | 3476 | 2921 | 3476 | 2484 | 1229 | 973.3 | 1229 | 20- 30 | 13325 | 30289 | 48.3,48.3 |
| 40 | 1515 | 2119 | 2012 | 2119 | 1515 | 1000 | 833.6 | 1000 | 30- 40 | 11615 | 41904 | 66.9,66.9 |
| 50 | 734.9 | 1333 | 1004 | 1333 | 734.9 | 843.9 | 622.6 | 843.9 | 40- 50 | 9433 | 51337 | 81.9,81.9 |
| 60 | 383.3 | 691.3 | 393.5 | 691.3 | 383.3 | 628.0 | 335.0 | 628.0 | 50- 60 | 6446 | 57783 | 92.2,92.2 |
| 70 | 190.8 | 177.4 | 236.9 | 177.4 | 190.8 | 187.0 | 175.8 | 187.0 | 60- 70 | 3386 | 61169 | 97.6,97.6 |
| 80 | 62.43 | 54.23 | 88.68 | 54.23 | 62.43 | 51.38 | 57.31 | 51.38 | 70- 80 | 1263 | 62432 | 99.7,99.7 |
| 90 | 0.2566 | 0.3084 | 0.3522 | 0.3084 | 0.2566 | 0.2792 | 0.3244 | 0.2792 | 80- 90 | 216.1 | 62648 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:X10cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:2022-10-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
 Humidity:65.0%
 Test Distance:26.000m [K=0.4548]
 Remarks:

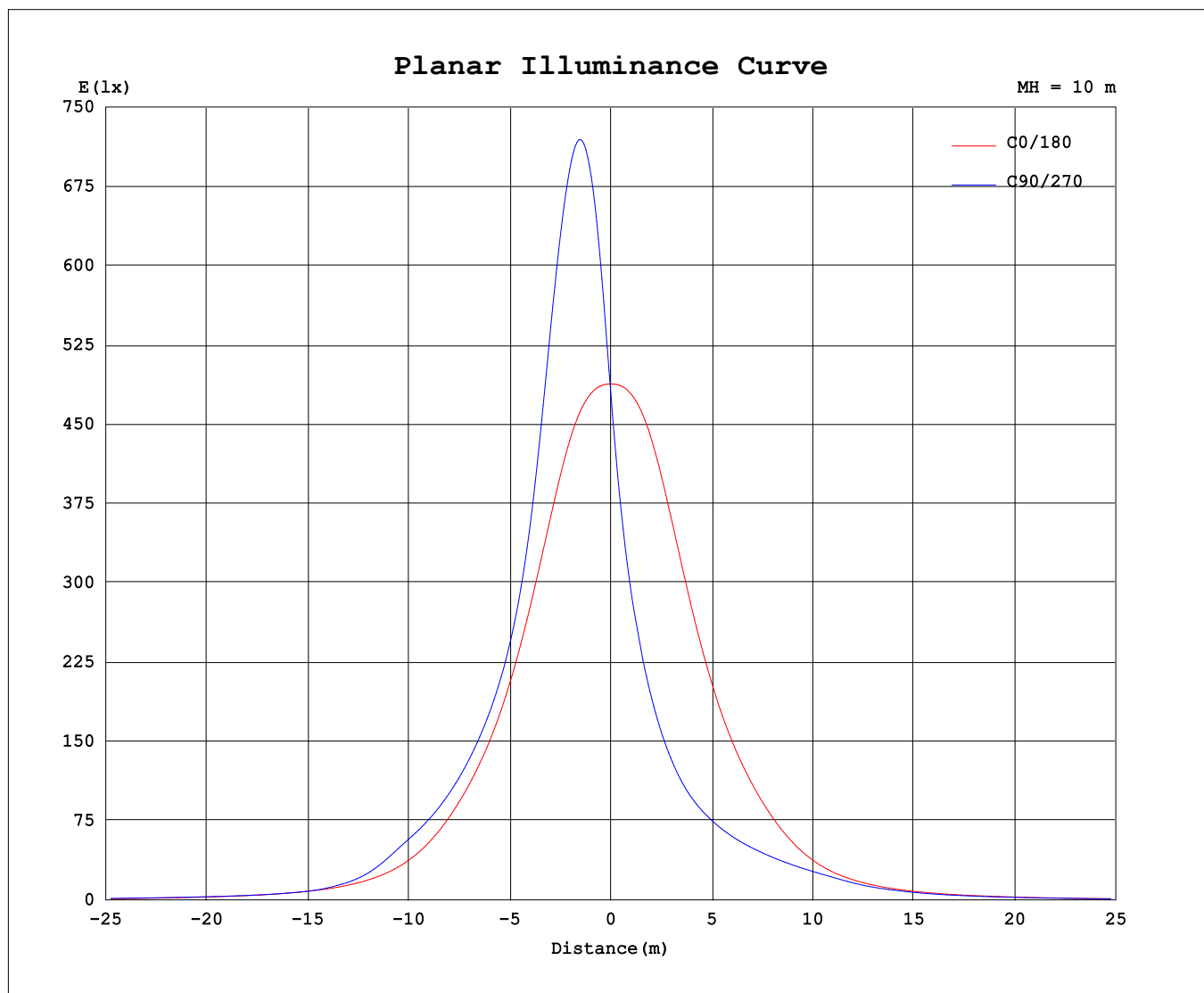
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:LYJ
Test Date:2022-10-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4548]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 2022-10-26

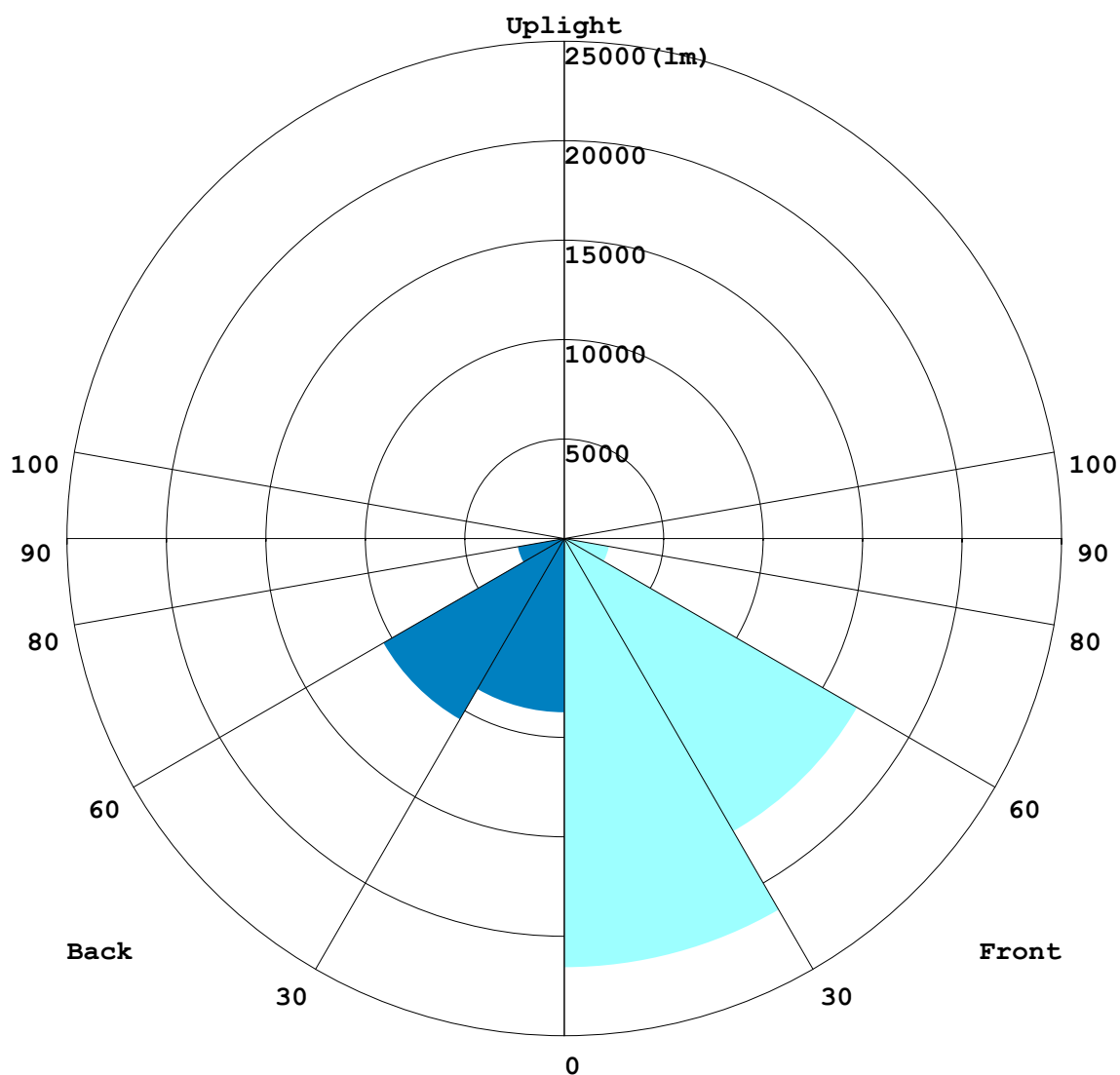
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity: 65.0%
Test Distance: 26.000m [K=0.4548]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

| | | |
|--|-------|------------------|
| Test:U:229.7V I:1.7530A P:397.77W PF:0.9878 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:62647.9x1 lm | | |
| NAME: FL23-400-5070-F12203 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:LYJ
Test Date:2022-10-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4548]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

| | | |
|--|-------|------------------|
| Test:U:229.7V I:1.7530A P:397.77W PF:0.9878 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:62647.9x1 lm | | |
| NAME: FL23-400-5070-F12203 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

IESNA Luminaire Flux Distribution Table:

| Zone | Lumens | Luminaire % |
|------------------------------|--------|-------------|
| FL - Front-Low(0-30) | 21552 | 34.4 |
| FM - Front-Medium(30-60) | 16995 | 27.1 |
| FH - Front-High(60-80) | 2278.8 | 3.6 |
| FVH - Front-Very High(80-90) | 114.47 | 0.2 |
| Total Forward Light | 40940 | 65.3 |

| | | |
|-----------------------------|--------|------|
| BL - Back-Low(0-30) | 8736.8 | 13.9 |
| BM - Back-Medium(30-60) | 10499 | 16.8 |
| BH - Back-High(60-80) | 2370 | 3.8 |
| BVH - Back-Very High(80-90) | 101.58 | 0.2 |
| Total Back Light | 21708 | 34.7 |

| | | |
|----------------------------|---|-----|
| 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 | B5-U0-G3 |
|---------------------------|----------|

| Zone | Downward Lumens | Upward Lumens | Total Lumens |
|-------------|--------------------|------------------|-----------------|
| House Side | 21708 | 0 | 21708 |
| Street Side | 40940 | 0 | 40940 |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LYJ
Test Date:2022-10-26

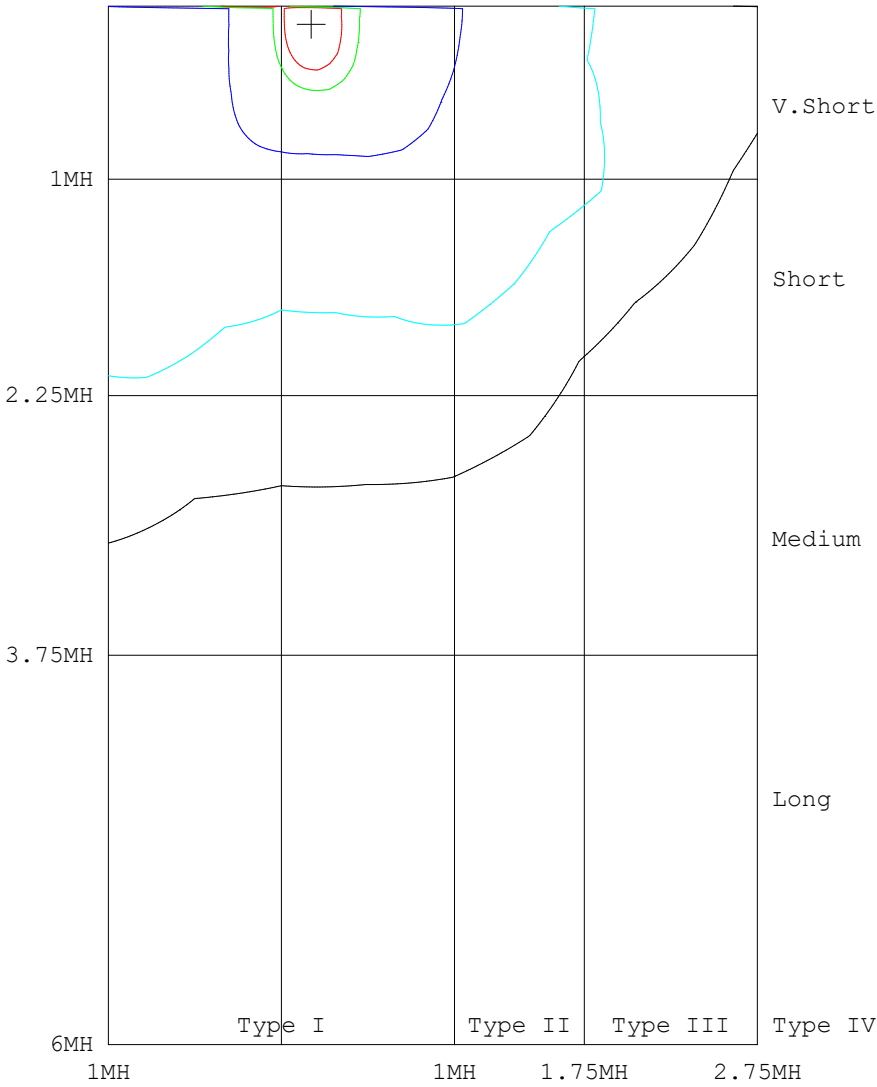
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4548]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

| | | |
|--|-------|------------------|
| Test:U:229.7V I:1.7530A P:397.77W PF:0.9878 Freq:50.01Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:62647.9x1 lm | | |
| NAME: FL23-400-5070-F12203 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:LYJ
Test Date:2022-10-26

Pavement 70% 52646
Road 50% 37604

γ Range:15042 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4548]
Remarks: