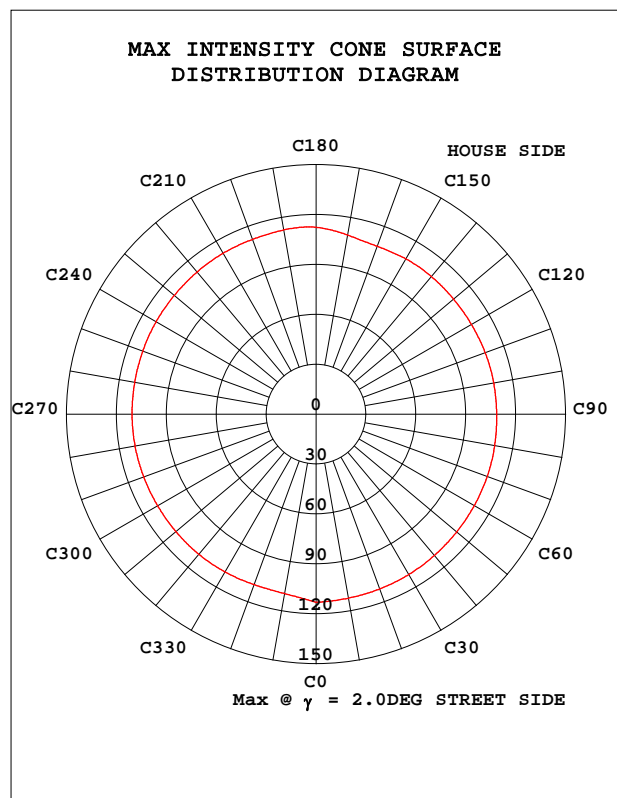
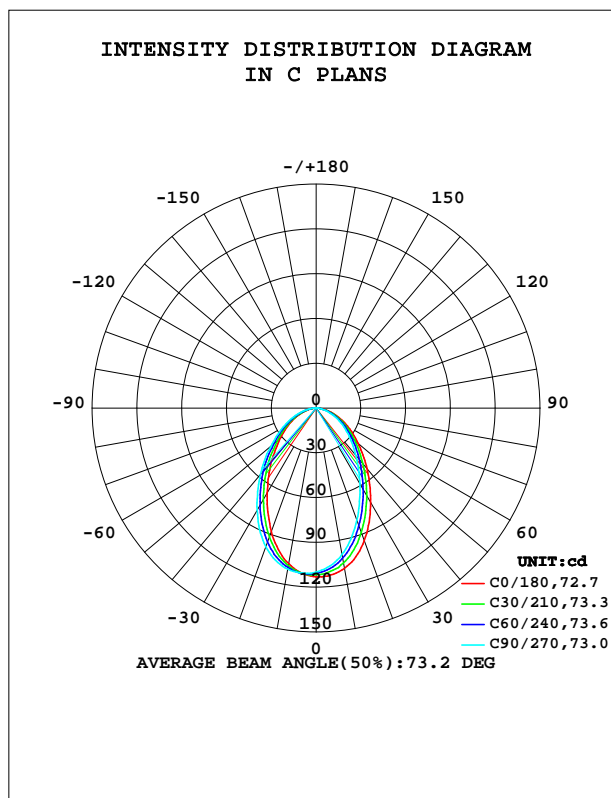


STREETLIGHT PHOTOMETRIC TEST REPORT

| | | |
|--|-----------|------------------|
| Test:U:120.86V I:0.0496A P:5.9263W PF:0.9883 Freq:50.00Hz Lamp Flux:194.397x1 lm | | |
| NAME: 86108XX | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:60mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 32.81 lm/W | | | |
|------------------|---------|----------------------------------|-------|------------------|------|
| MODEL | | I _{max} (cd) | 113.1 | η street_up(%) | 0.0 |
| NOMINAL POWER(W) | -- | LOR(%) | 100.0 | η street_down(%) | 56.8 |
| RATED VOLTAGE(V) | -- | TOTAL FLUX(lm) | 194.4 | η house_up(%) | 0.0 |
| NOMINAL FLUX(lm) | 194.397 | MAXIMUM @(C,γ) | 0,2.0 | η house_down(%) | 43.2 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | 76 FLASHAREA(m2) | |
| TEST VOLTAGE(V) | -- | η down(%) | 100.0 | SLI | |

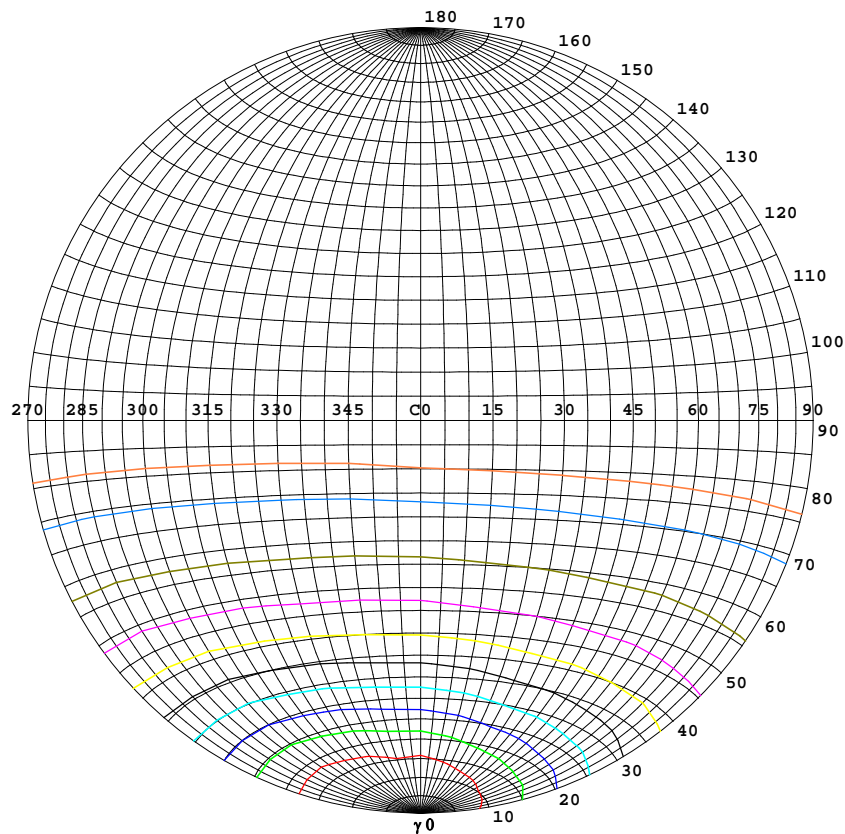


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

| | | |
|--|-----------|------------------|
| Test:U:120.86V I:0.0496A P:5.9263W PF:0.9883 Freq:50.00Hz Lamp Flux:194.397x1 lm | | |
| NAME: 86108XX | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:60mm | Shielding Angle: |



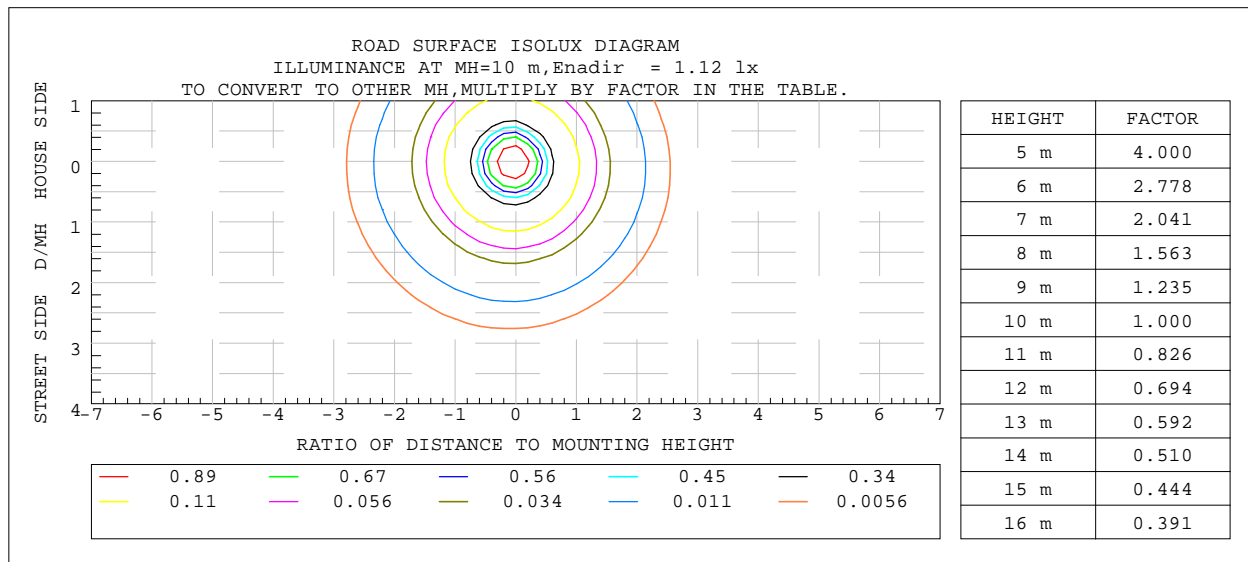
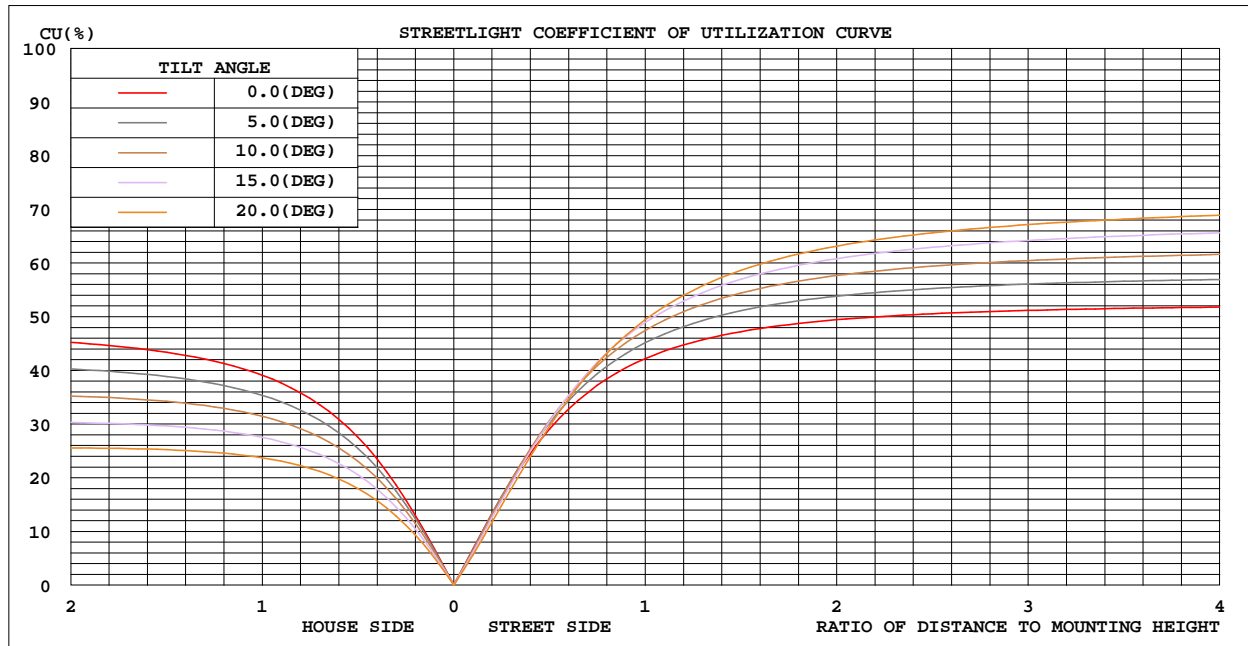
Classification:

IES:Type I - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:34.35cd/klm
Max.At90:4.462cd/klm
Max.80-90:34.35cd/klm

| ISOCANDELA DIAGRAM | |
|--------------------|-----|
| UNIT | cd |
| Imax=100% | 113 |
| 90% | 102 |
| 80% | 90 |
| 70% | 79 |
| 60% | 68 |
| 50% | 57 |
| 40% | 45 |
| 30% | 34 |
| 20% | 23 |
| 10% | 11 |
| 5% | 6 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-11-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.000m [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: DAMIN
Test Date: 2021-11-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

| | | |
|--|-----------|------------------|
| Test:U:120.86V I:0.0496A P:5.9263W PF:0.9883 Freq:50.00Hz Lamp Flux:194.397x1 lm | | |
| NAME: 86108XX | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:60mm | Shielding Angle: |

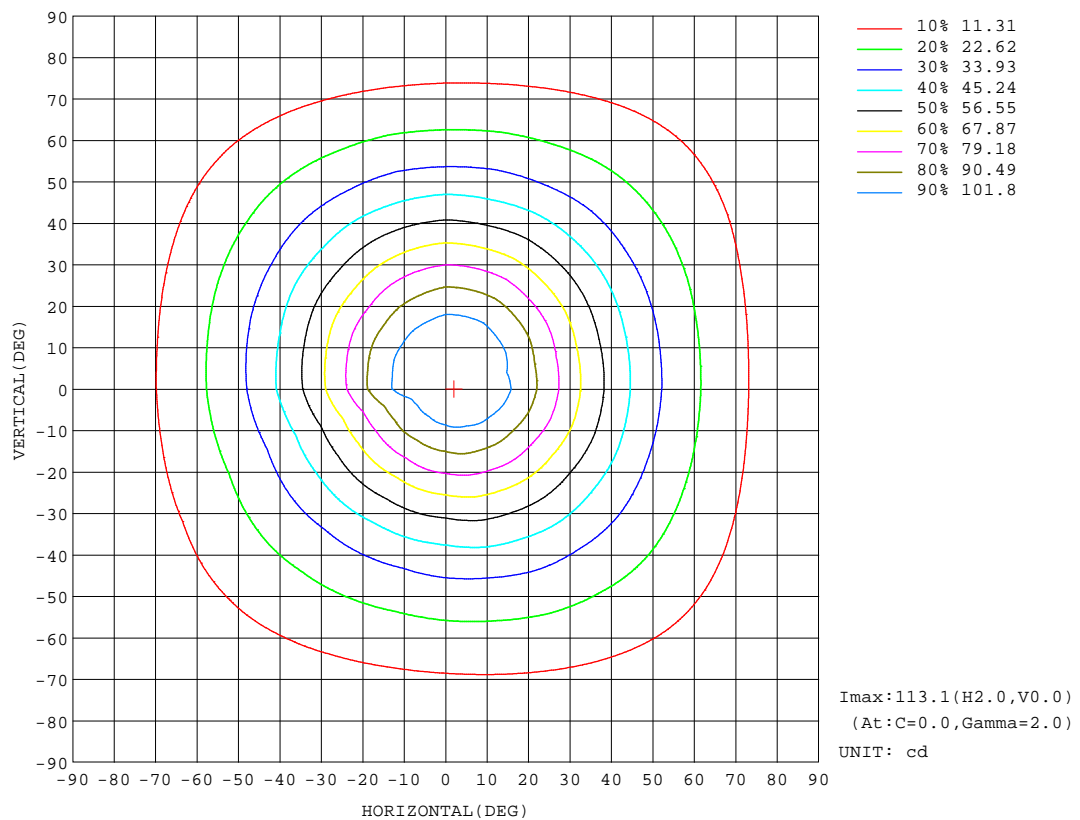
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | lum, lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|-----------|
| 10 | 109.2 | 104.0 | 99.56 | 98.53 | 105.9 | 107.7 | 109.6 | 109.0 | 0- 10 | 10.29 | 10.29 | 5.29,5.29 |
| 20 | 94.41 | 86.57 | 79.88 | 77.61 | 87.99 | 93.02 | 98.75 | 97.99 | 10- 20 | 27.51 | 37.79 | 19.4,19.4 |
| 30 | 73.14 | 65.75 | 58.72 | 56.73 | 65.66 | 72.51 | 79.13 | 77.29 | 20- 30 | 36.22 | 74.01 | 38.1,38.1 |
| 40 | 53.09 | 47.25 | 41.52 | 38.83 | 46.71 | 52.31 | 58.15 | 56.45 | 30- 40 | 36.52 | 110.5 | 56.9,56.9 |
| 50 | 36.84 | 32.12 | 28.64 | 26.41 | 31.38 | 35.72 | 39.34 | 38.76 | 40- 50 | 31.57 | 142.1 | 73.1,73.1 |
| 60 | 24.33 | 21.18 | 18.66 | 17.04 | 20.32 | 22.92 | 25.59 | 25.26 | 50- 60 | 24.53 | 166.6 | 85.7,85.7 |
| 70 | 14.09 | 12.11 | 10.17 | 9.072 | 11.17 | 12.74 | 14.84 | 14.90 | 60- 70 | 16.75 | 183.4 | 94.3,94.3 |
| 80 | 5.786 | 4.531 | 3.265 | 2.607 | 3.755 | 4.787 | 6.231 | 6.678 | 70- 80 | 8.806 | 192.2 | 98.9,98.9 |
| 90 | 0.3089 | 0.0216 | 0.0216 | 0.0223 | 0.0647 | 0.0365 | 0.4547 | 0.8648 | 80- 90 | 2.222 | 194.4 | 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:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-11-13

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

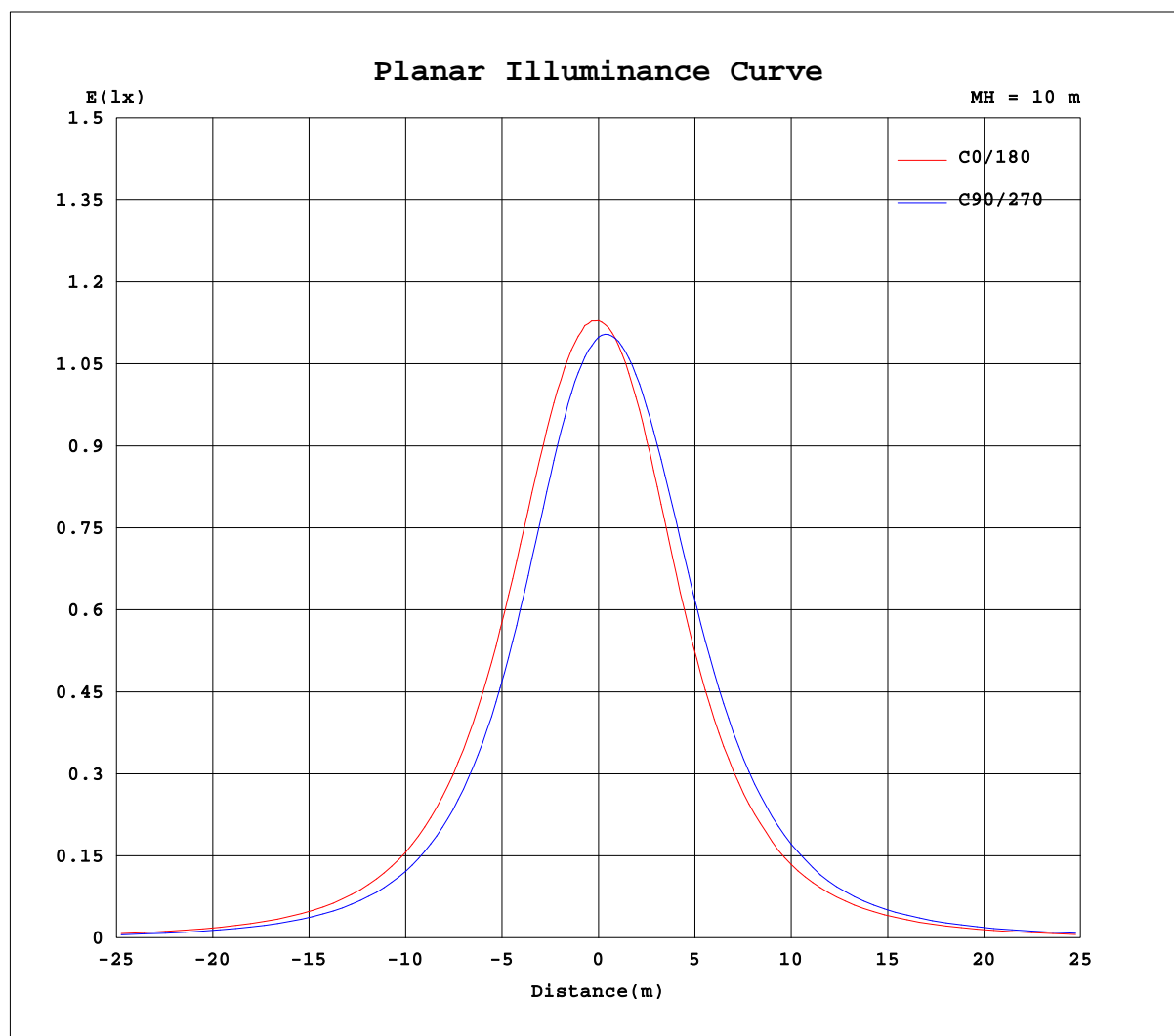
| | | |
|--|-----------|------------------|
| Test:U:120.86V I:0.0496A P:5.9263W PF:0.9883 Freq:50.00Hz Lamp Flux:194.397x1 lm | | |
| NAME: 86108XX | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:60mm | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-11-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



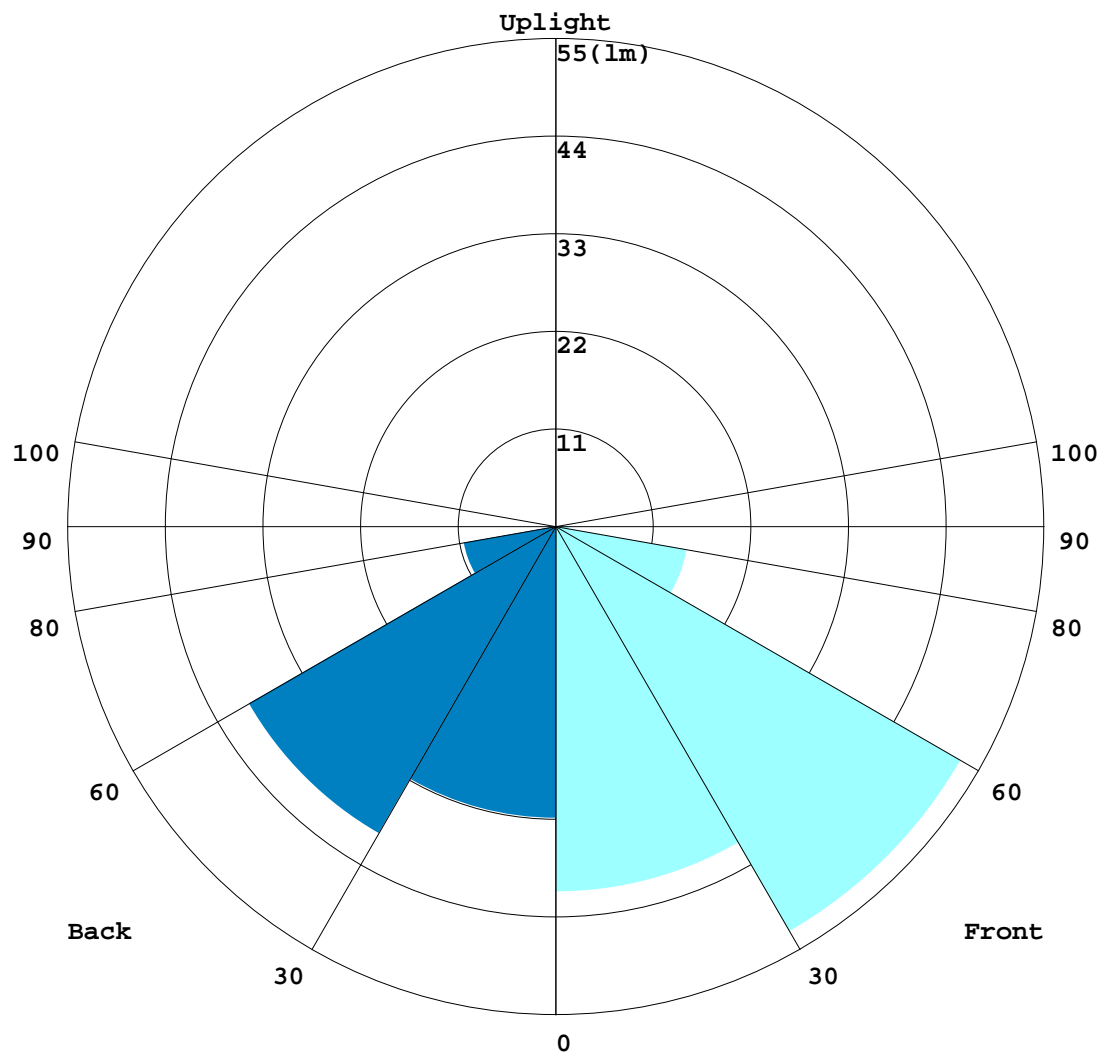
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-11-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

LCS REPORT

| | | |
|--|-----------|------------------|
| Test:U:120.86V I:0.0496A P:5.9263W PF:0.9883 Freq:50.00Hz Lamp Flux:194.397x1 lm | | |
| NAME: 86108XX | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:60mm | Shielding Angle: |

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-11-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

BUG REPORT

| | | |
|--|-----------|------------------|
| Test:U:120.86V I:0.0496A P:5.9263W PF:0.9883 Freq:50.00Hz Lamp Flux:194.397x1 lm | | |
| NAME: 86108XX | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:60mm | Shielding Angle: |

IESNA Luminaire Flux Distribution Table:

| Zone | Lumens | Luminaire % |
|------------------------------|--------|-------------|
| FL - Front-Low(0-30) | 41.167 | 21.2 |
| FM - Front-Medium(30-60) | 52.705 | 27.1 |
| FH - Front-High(60-80) | 15.011 | 7.7 |
| FVH - Front-Very High(80-90) | 1.5102 | 0.8 |
| Total Forward Light | 110.39 | 56.8 |

| | | |
|-----------------------------|---------|------|
| BL - Back-Low(0-30) | 32.846 | 16.9 |
| BM - Back-Medium(30-60) | 39.915 | 20.5 |
| BH - Back-High(60-80) | 10.547 | 5.4 |
| BVH - Back-Very High(80-90) | 0.71177 | 0.4 |
| Total Back Light | 84.02 | 43.2 |

| | | |
|----------------------------|---|-----|
| 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 | B0-U0-G0 |
|---------------------------|----------|

| Zone | Downward Lumens | Upward Lumens | Total Lumens |
|-------------|--------------------|------------------|-----------------|
| House Side | 84.02 | 0 | 84.02 |
| Street Side | 110.39 | 0 | 110.39 |

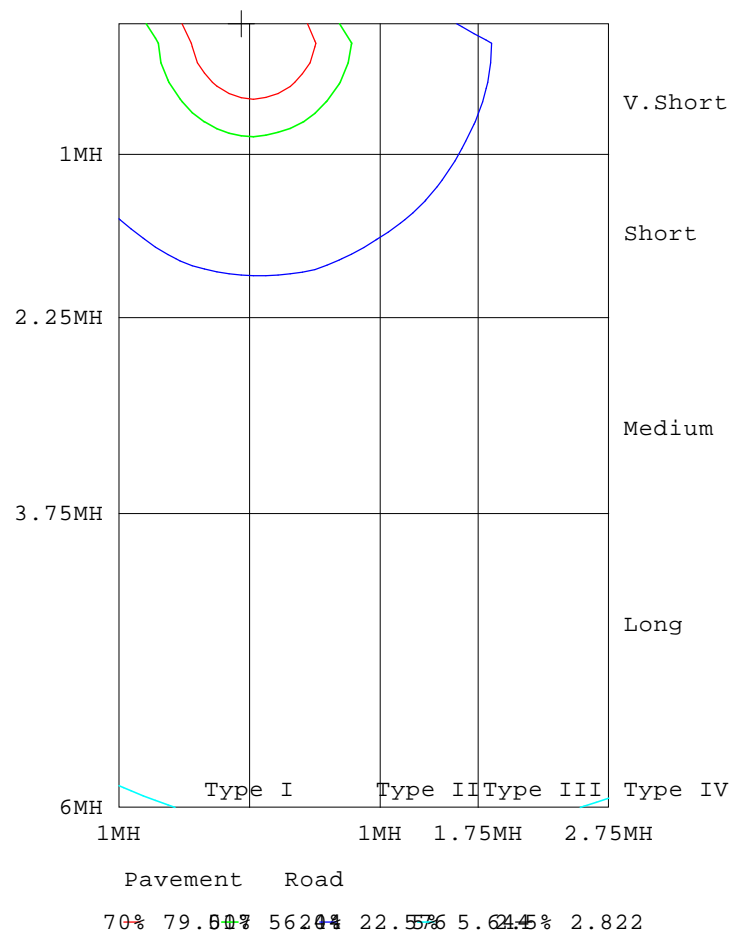
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-11-13

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

| | | |
|--|-----------|------------------|
| Test:U:120.86V I:0.0496A P:5.9263W PF:0.9883 Freq:50.00Hz Lamp Flux:194.397x1 lm | | |
| NAME: 86108XX | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:60mm | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-11-13

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

```