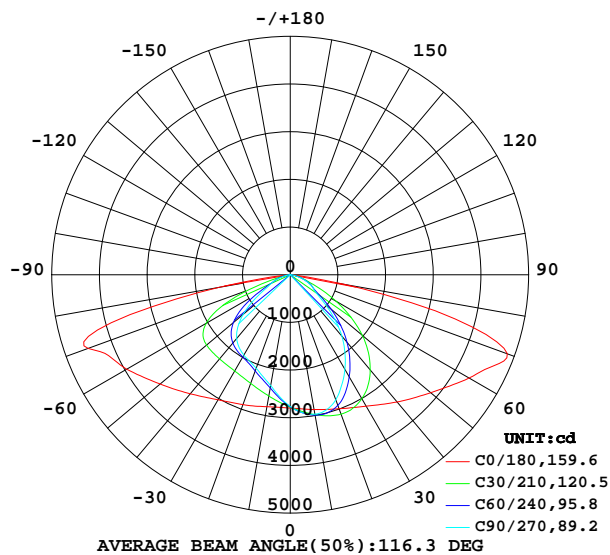
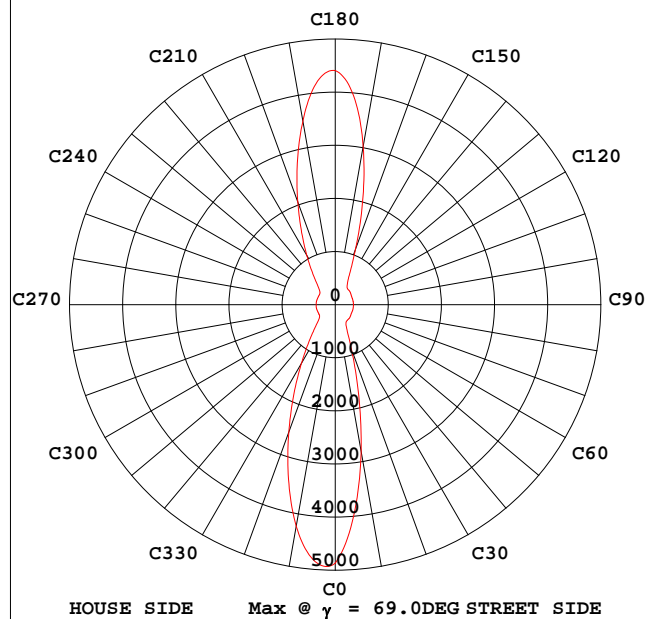


## STREETLIGHT PHOTOMETRIC TEST REPORT

|        |                |                  |
|--------|----------------|------------------|
| NAME:  | TYPE:          | WEIGHT:          |
| SPEC.: | DIM.:          | SERIAL No.:      |
| MFR.:  | SUR.:21cm*16cm | Shielding Angle: |

| DATA OF LAMP     |                 | PHOTOMETRIC DATA Eff: 130.00 lm/W |        |                       |         |
|------------------|-----------------|-----------------------------------|--------|-----------------------|---------|
| MODEL            | LD70LMX 1M 3030 | Imax(cd)                          | 4867   | $\eta$ street_up(%)   | 0.0     |
| NOMINAL POWER(W) | 70              | LOR(%)                            | 100.0  | $\eta$ street_down(%) | 48.5    |
| RATED VOLTAGE(V) | 220             | TOTAL FLUX(lm)                    | 9100   | $\eta$ house_up(%)    | 0.0     |
| NOMINAL FLUX(lm) | 9100            | MAXIMUM @ (C, $\gamma$ )          | 0,69.0 | $\eta$ house_down(%)  | 51.5    |
| LAMPS INSIDE     | 1               | $\eta$ up(%)                      | 0.0    | 76 FLASHAREA(m2)      | 0.05000 |
| TEST VOLTAGE(V)  | 220.1           | $\eta$ down(%)                    | 100.0  | SLI                   | 23.977  |

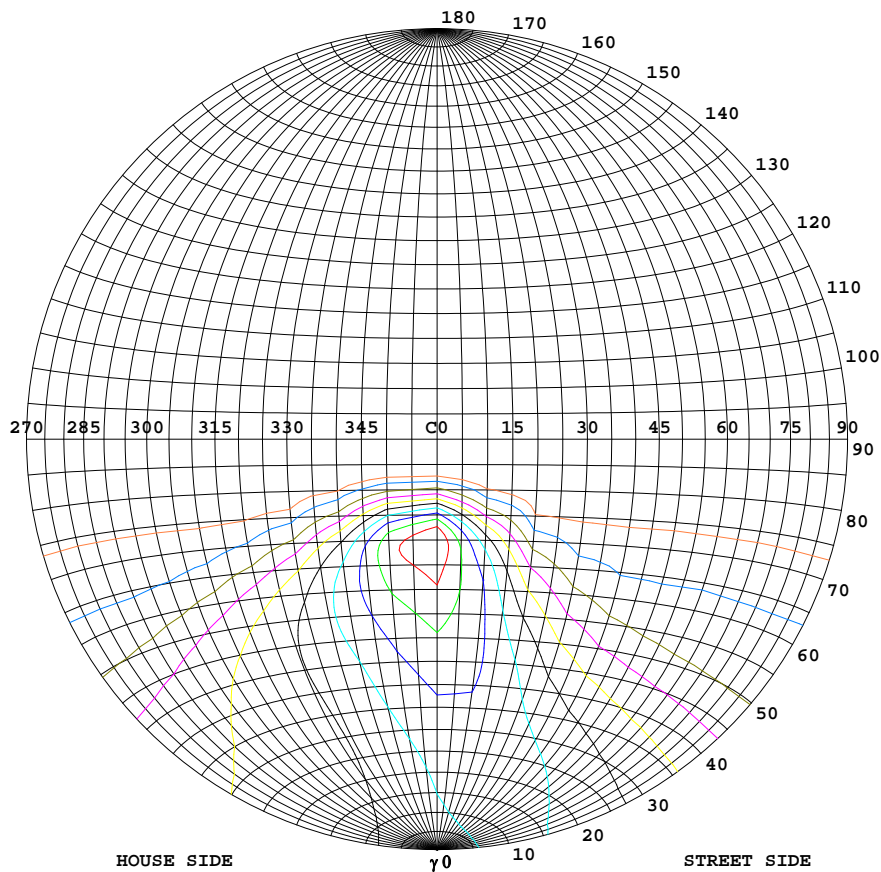
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

|        |                |                  |
|--------|----------------|------------------|
| NAME:  | TYPE:          | WEIGHT:          |
| SPEC.: | DIM.:          | SERIAL No.:      |
| MFR.:  | SUR.:21cm*16cm | Shielding Angle: |



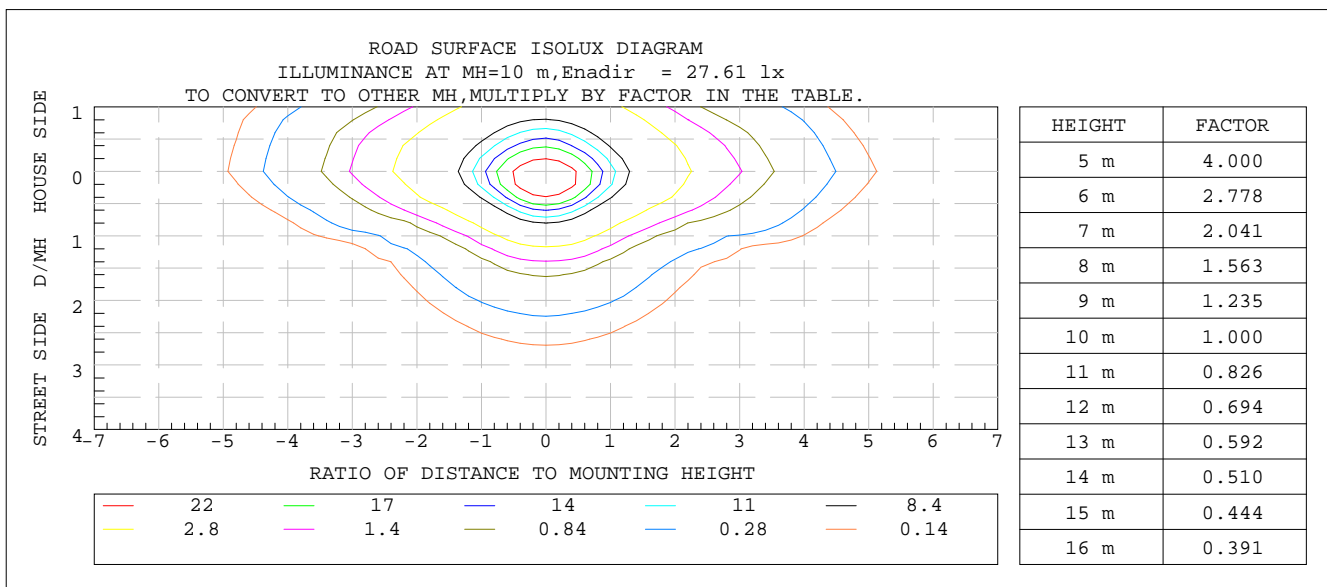
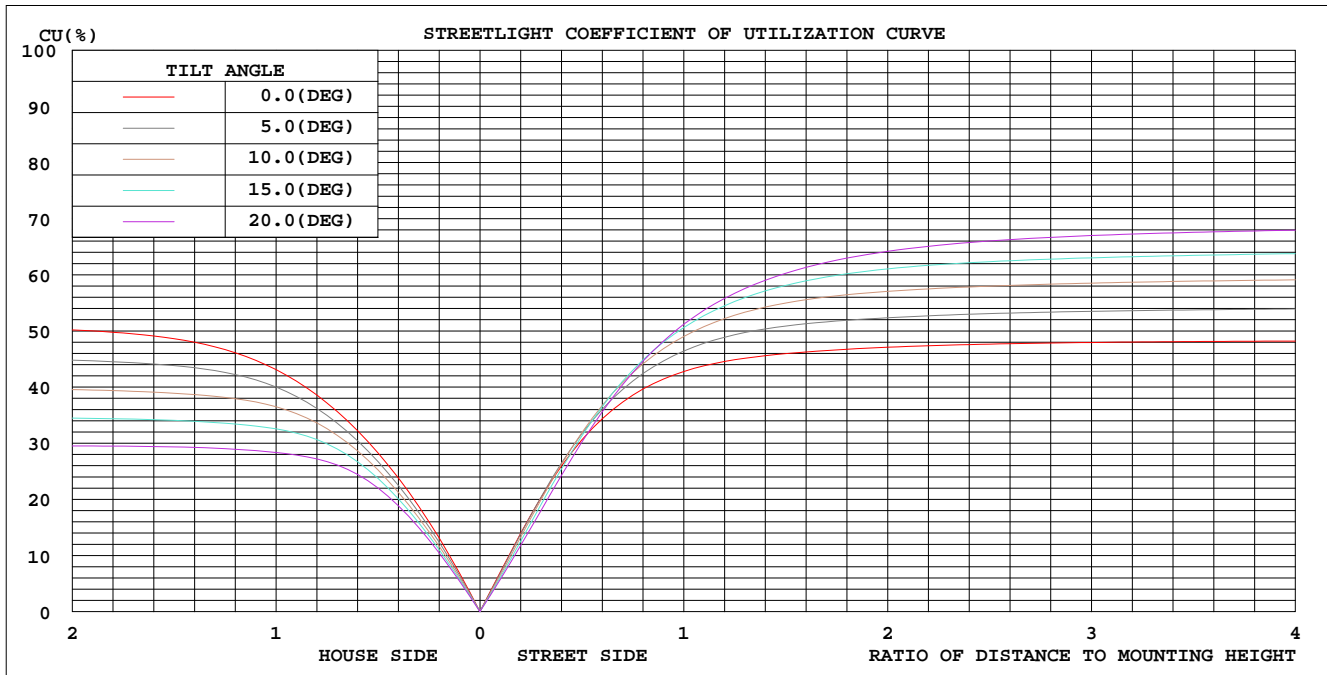
## Classification:

IES:Type I - Medium  
 CIE:Narrow - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:166.2cd/klm  
 Max.At90:0.8345cd/klm  
 Max.80-90:166.2cd/klm

| ISOCANDELA DIAGRAM |      |
|--------------------|------|
| UNIT               | cd   |
| Imax=100%          | 4867 |
| 90%                | 4380 |
| 80%                | 3893 |
| 70%                | 3407 |
| 60%                | 2920 |
| 50%                | 2433 |
| 40%                | 1947 |
| 30%                | 1460 |
| 20%                | 973  |
| 10%                | 487  |
| 5%                 | 243  |

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2017.10.31

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.480m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017.10.31

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.480m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

|        |                |                  |
|--------|----------------|------------------|
| NAME:  | TYPE:          | WEIGHT:          |
| SPEC.: | DIM.:          | SERIAL No.:      |
| MFR.:  | SUR.:21cm*16cm | Shielding Angle: |

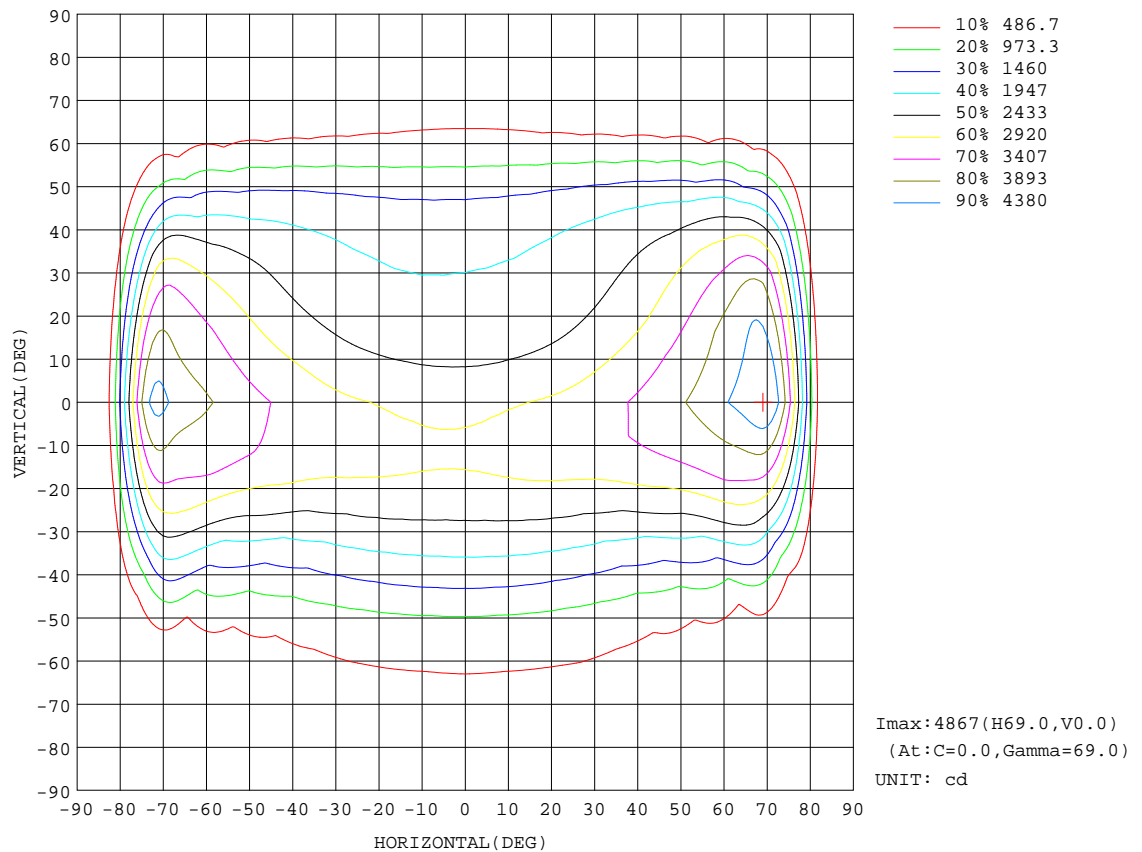
| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | $\Phi$ lum,lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------------|
| 10       | 2872                  | 2990  | 2970  | 2936  | 2811  | 2486  | 2364  | 2517  | 0- 10    | 262.8       | 262.8        | 2.89,2.89       |
| 20       | 2992                  | 3024  | 2793  | 2970  | 2899  | 2255  | 2089  | 2316  | 10- 20   | 765.9       | 1029         | 11.3,11.3       |
| 30       | 3183                  | 2714  | 2293  | 2703  | 3030  | 2107  | 1948  | 2218  | 20- 30   | 1198        | 2227         | 24.5,24.5       |
| 40       | 3483                  | 2134  | 1686  | 2142  | 3260  | 2057  | 1749  | 2212  | 30- 40   | 1519        | 3746         | 41.2,41.2       |
| 50       | 3848                  | 1387  | 951.2 | 1422  | 3565  | 1903  | 1282  | 2093  | 40- 50   | 1675        | 5421         | 59.6,59.6       |
| 60       | 4332                  | 652.5 | 555.5 | 689.0 | 3960  | 1323  | 620.2 | 1489  | 50- 60   | 1594        | 7015         | 77.1,77.1       |
| 70       | 4843                  | 338.8 | 320.0 | 343.5 | 4514  | 412.5 | 337.4 | 441.9 | 60- 70   | 1318        | 8333         | 91.6,91.6       |
| 80       | 1125                  | 87.16 | 71.64 | 87.57 | 1512  | 101.4 | 82.35 | 101.2 | 70- 80   | 709.7       | 9042         | 99.4,99.4       |
| 90       | 6.582                 | 2.194 | 1.130 | 2.060 | 7.594 | 1.591 | 1.256 | 1.893 | 80- 90   | 57.76       | 9100         | 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: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

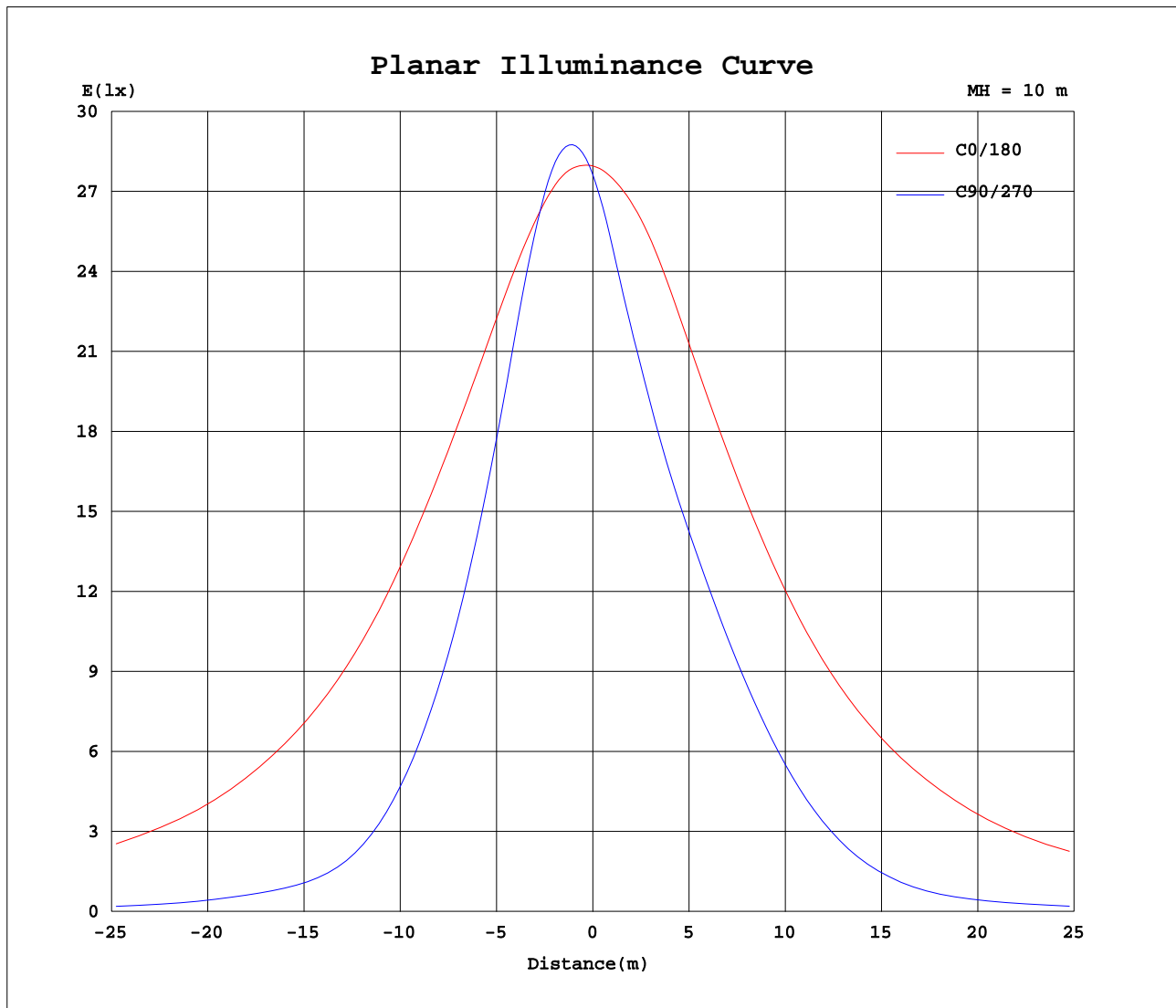
|        |                |                  |
|--------|----------------|------------------|
| NAME:  | TYPE:          | WEIGHT:          |
| SPEC.: | DIM.:          | SERIAL No.:      |
| MFR.:  | SUR.:21cm*16cm | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017.10.31

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.480m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



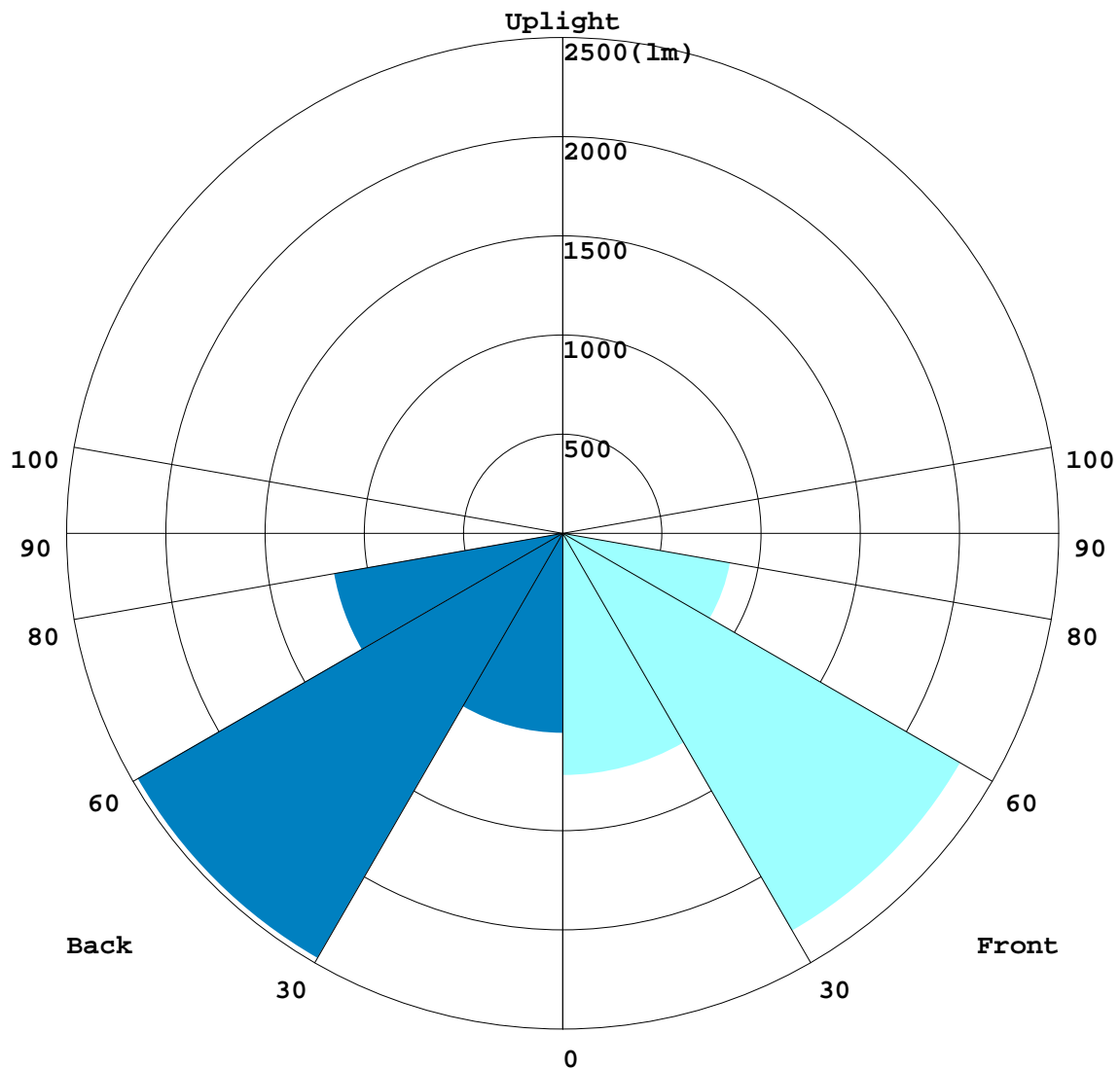
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017.10.31

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.480m [K=1.0000]  
Remarks:

LCS REPORT

|        |                |                  |
|--------|----------------|------------------|
| NAME:  | TYPE:          | WEIGHT:          |
| SPEC.: | DIM.:          | SERIAL No.:      |
| MFR.:  | SUR.:21cm*16cm | Shielding Angle: |

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:

### BUG REPORT

|        |                |                  |
|--------|----------------|------------------|
| NAME:  | TYPE:          | WEIGHT:          |
| SPEC.: | DIM.:          | SERIAL No.:      |
| MFR.:  | SUR.:21cm*16cm | Shielding Angle: |

#### IESNA Luminaire Flux Distribution Table:

| Zone                         | Lumens | Luminaire % |
|------------------------------|--------|-------------|
| FL - Front-Low(0-30)         | 1219.4 | 13.4        |
| FM - Front-Medium(30-60)     | 2314.9 | 25.4        |
| FH - Front-High(60-80)       | 857.34 | 9.4         |
| FVH - Front-Very High(80-90) | 23.128 | 0.3         |
| Total Forward Light          | 4414.8 | 48.5        |

|                             |        |      |
|-----------------------------|--------|------|
| BL - Back-Low(0-30)         | 1007.1 | 11.1 |
| BM - Back-Medium(30-60)     | 2473.5 | 27.2 |
| BH - Back-High(60-80)       | 1169.9 | 12.9 |
| BVH - Back-Very High(80-90) | 34.631 | 0.4  |
| Total Back Light            | 4685.2 | 51.5 |

|                            |   |     |
|----------------------------|---|-----|
| 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 | B3-U0-G3 |
|---------------------------|----------|

| Zone        | Downward<br>Lumens | Upward<br>Lumens | Total<br>Lumens |
|-------------|--------------------|------------------|-----------------|
| House Side  | 4685.2             | 0                | 4685.2          |
| Street Side | 4414.8             | 0                | 4414.8          |

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

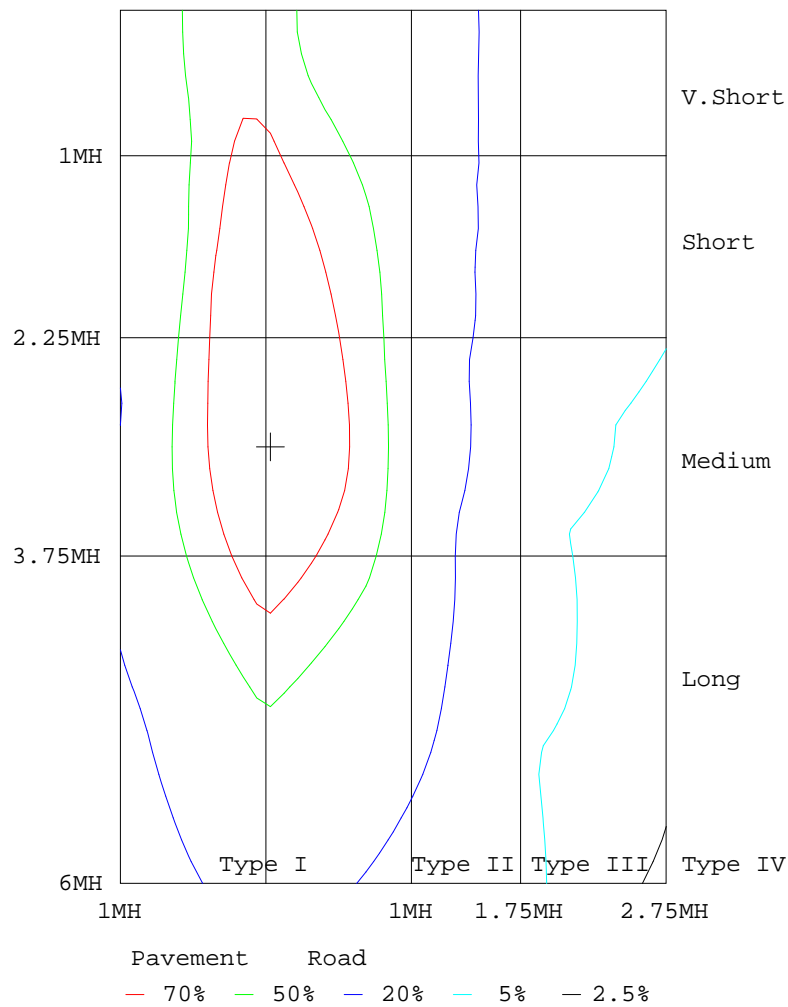
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

|        |                |                  |
|--------|----------------|------------------|
| NAME:  | TYPE:          | WEIGHT:          |
| SPEC.: | DIM.:          | SERIAL No.:      |
| MFR.:  | SUR.:21cm*16cm | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017.10.31

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:



