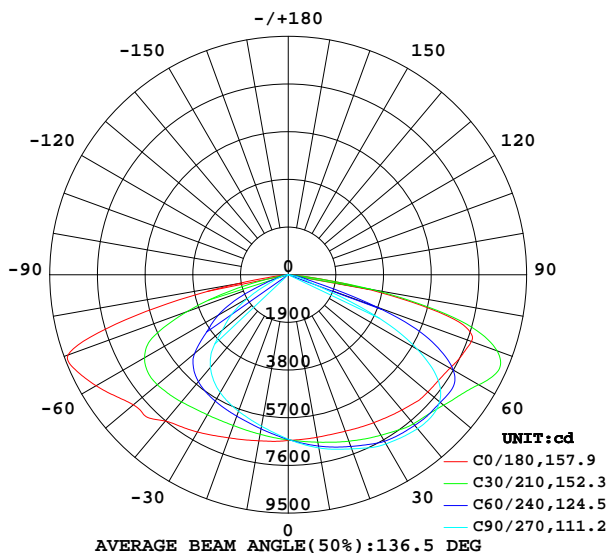
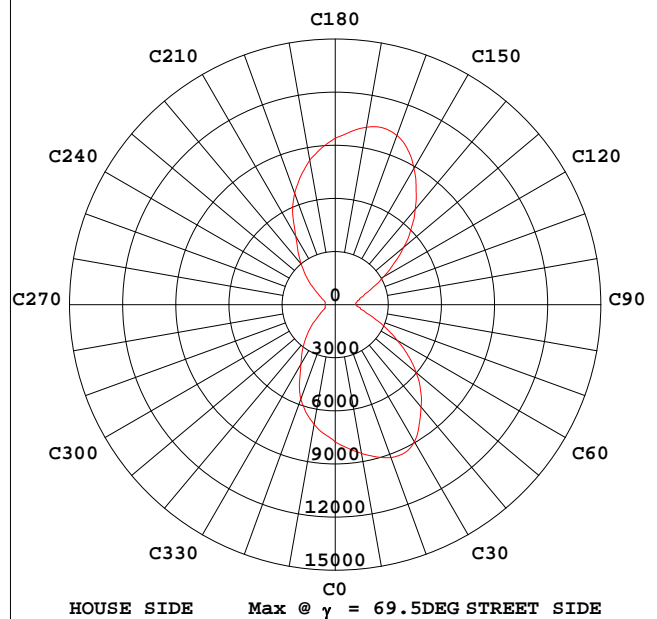


## STREETLIGHT PHOTOMETRIC TEST REPORT

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

| DATA OF LAMP               |       | PHOTOMETRIC DATA Eff: 149.56 lm/W |          |                       |         |
|----------------------------|-------|-----------------------------------|----------|-----------------------|---------|
| MODEL ZGSM-LD200KL 5050 3M |       | Imax(cd)                          | 10345    | $\eta$ street_up(%)   | 0.0     |
| NOMINAL POWER(W)           | 200   | LOR(%)                            | 99.7     | $\eta$ street_down(%) | 59.6    |
| RATED VOLTAGE(V)           | 220   | TOTAL FLUX(lm)                    | 29911    | $\eta$ house_up(%)    | 0.0     |
| NOMINAL FLUX(lm)           | 30000 | MAXIMUM @ (C, $\gamma$ )          | 165,69.5 | $\eta$ house_down(%)  | 40.1    |
| LAMPS INSIDE               | 1     | $\eta$ up(%)                      | 0.0      | 76 FLASHAREA(m2)      | 0.05000 |
| TEST VOLTAGE(V)            | 220.1 | $\eta$ down(%)                    | 99.7     | SLI                   | 25.314  |

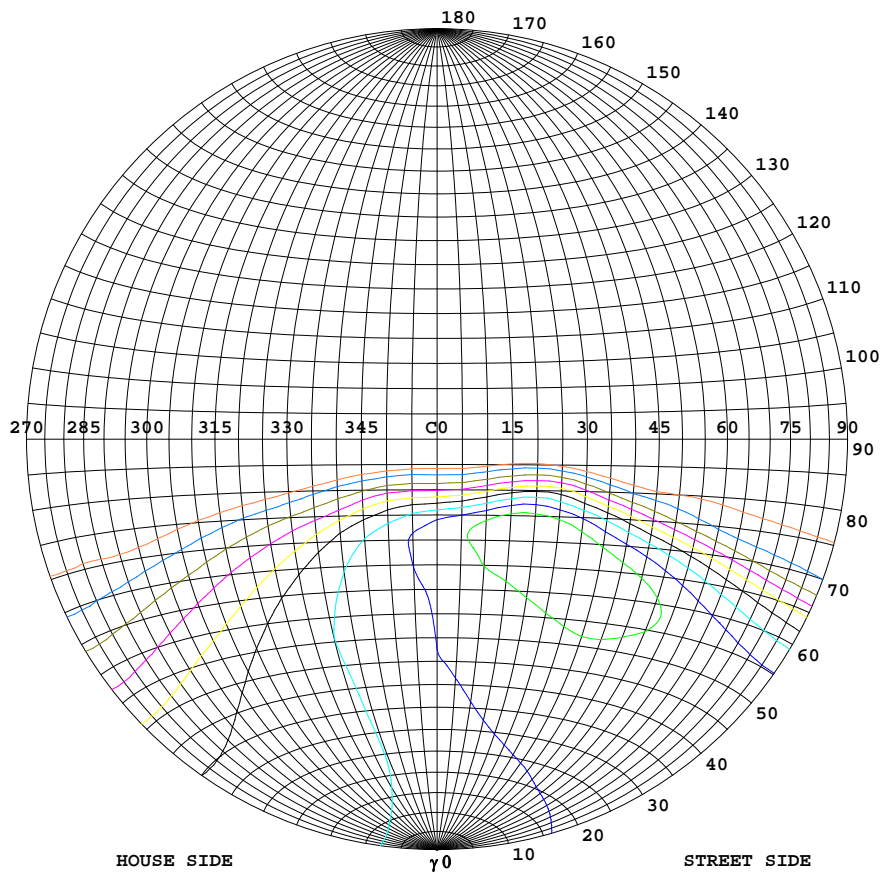
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks: 5050 3M

## STREETLIGHT ISOCANDELA DIAGRAM

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



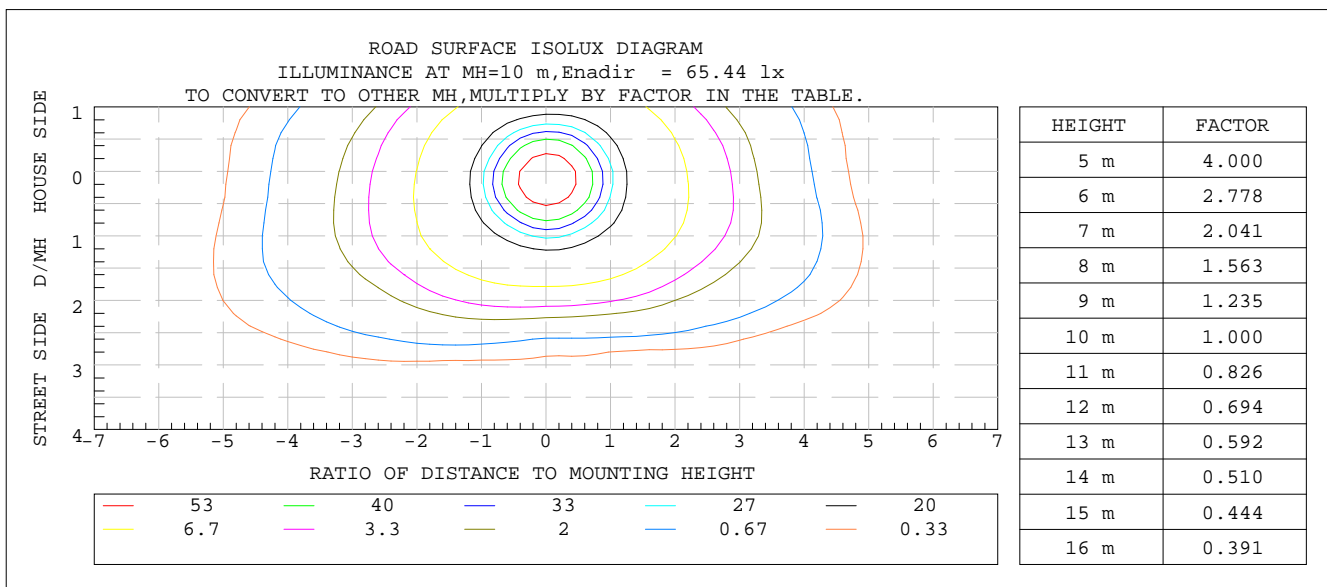
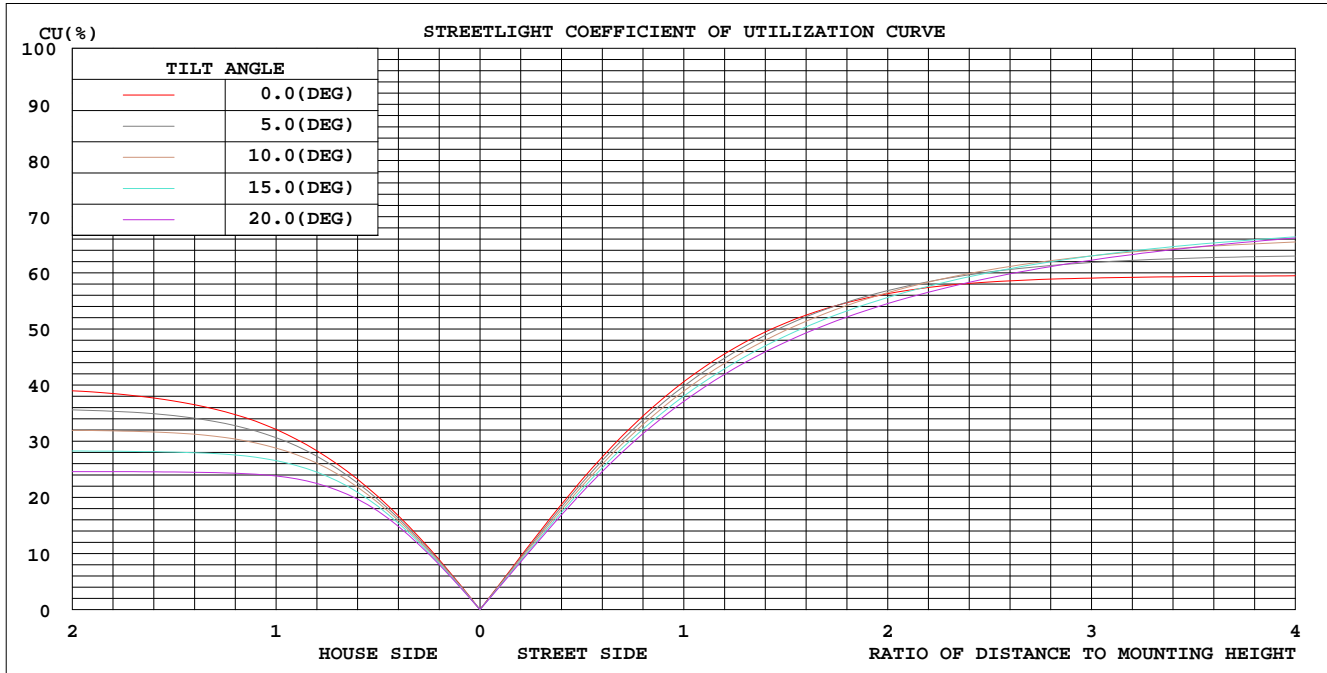
## Classification:

IES:Type III - Medium  
 CIE:Average - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:166.1cd/klm  
 Max.At90:0.8066cd/klm  
 Max.80-90:166.1cd/klm

| ISOCANDELA DIAGRAM |       |
|--------------------|-------|
| UNIT               | cd    |
| Imax=100%          | 10345 |
| 90%                | 9310  |
| 80%                | 8276  |
| 70%                | 7241  |
| 60%                | 6207  |
| 50%                | 5172  |
| 40%                | 4138  |
| 30%                | 3103  |
| 20%                | 2069  |
| 10%                | 1034  |
| 5%                 | 517   |

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2017

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.480m [K=1.0000]  
 Remarks: 5050 3M

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.480m [K=1.0000]  
Remarks: 5050 3M

## ZONAL FLUX DIAGRAM

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

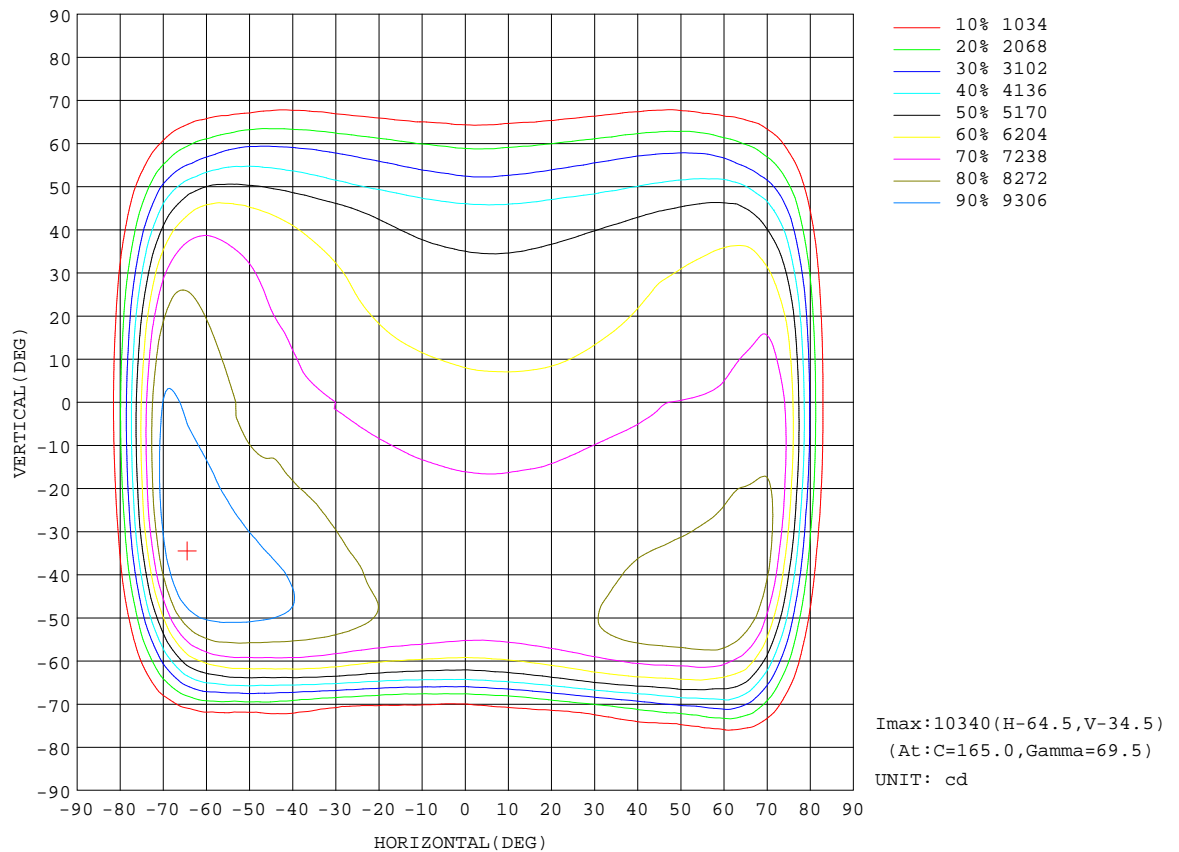
| $\gamma$ | C0                       | C45   | C90    | C135   | C180  | C225  | C270   | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | $\Phi$ lum,lamp |
|----------|--------------------------|-------|--------|--------|-------|-------|--------|-------|----------|-------------|--------------|-----------------|
| 10       | 657.9                    | 686.2 | 700.7  | 694.4  | 672.0 | 633.6 | 613.0  | 620.5 | 0- 10    | 627.3       | 627.3        | 2.1,2.09        |
| 20       | 663.5                    | 719.4 | 738.5  | 734.3  | 691.7 | 617.4 | 579.1  | 596.0 | 10- 20   | 1878        | 2505         | 8.38,8.35       |
| 30       | 680.8                    | 754.7 | 778.3  | 779.8  | 723.6 | 611.5 | 542.3  | 579.2 | 20- 30   | 3118        | 5624         | 18.8,18.7       |
| 40       | 703.9                    | 781.5 | 800.9  | 819.8  | 761.2 | 613.4 | 482.3  | 561.8 | 30- 40   | 4305        | 9929         | 33.2,33.1       |
| 50       | 726.4                    | 813.1 | 787.2  | 872.5  | 806.4 | 592.1 | 342.4  | 521.6 | 40- 50   | 5327        | 15256        | 51,50.9         |
| 60       | 744.5                    | 864.1 | 593.4  | 896.5  | 884.4 | 460.7 | 184.4  | 396.1 | 50- 60   | 5947        | 21202        | 70.9,70.7       |
| 70       | 776.8                    | 659.6 | 102.3  | 574.5  | 933.3 | 223.1 | 54.01  | 200.9 | 60- 70   | 5480        | 26682        | 89.2,88.9       |
| 80       | 298.4                    | 62.16 | 12.01  | 37.58  | 199.2 | 15.19 | 10.16  | 20.56 | 70- 80   | 2963        | 29646        | 99.1,98.8       |
| 90       | 2.210                    | 1.470 | 0.4005 | 0.8278 | 2.290 | 1.880 | 0.8718 | 1.800 | 80- 90   | 265.8       | 29911        | 100,99.7        |
| 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:×10cd |       |        |        |       |       |        |       |          | UNIT:lm     |              |                 |

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks: 5050 3M

## ISOCANDELA DIAGRAM

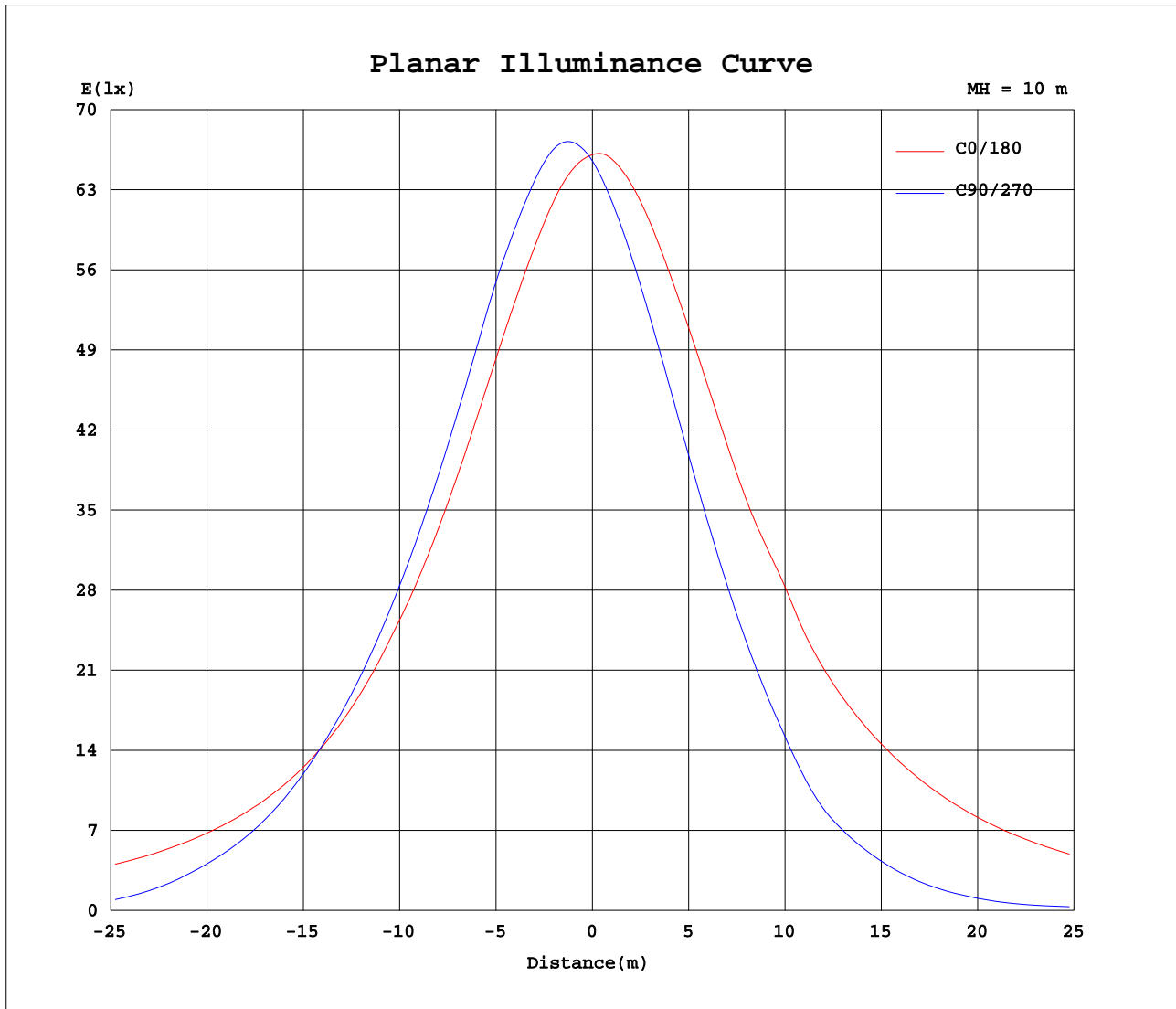
|             |                |                  |
|-------------|----------------|------------------|
| NAME: LED路灯 | TYPE:          | WEIGHT:          |
| SPEC.:      | DIM.:          | SERIAL No.:      |
| MFR.:       | SUR.:21cm*16cm | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2017

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 10.480m [K=1.0000]  
 Remarks: 5050 3M

## Planar Illuminance Curve



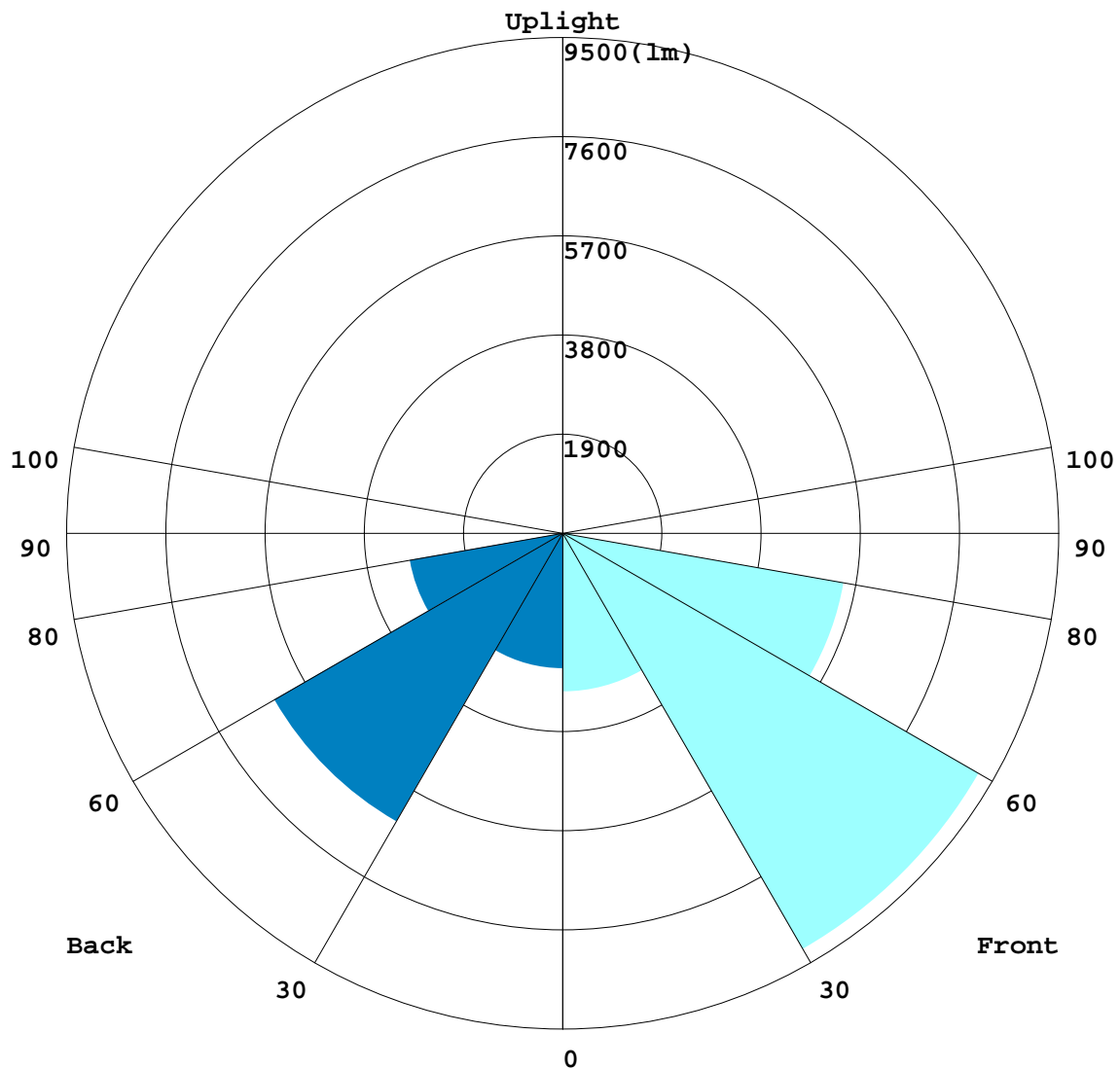
C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.480m [K=1.0000]  
Remarks: 5050 3M

LCS REPORT

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

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks: 5050 3M

### BUG REPORT

|             |                |                  |
|-------------|----------------|------------------|
| NAME: LED路灯 | 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)         | 3033.3 | 10.1        |
| FM - Front-Medium(30-60)     | 9201   | 30.8        |
| FH - Front-High(60-80)       | 5468.6 | 18.3        |
| FVH - Front-Very High(80-90) | 191.14 | 0.6         |
| Total Forward Light          | 17894  | 59.8        |

|                             |        |      |
|-----------------------------|--------|------|
| BL - Back-Low(0-30)         | 2590.2 | 8.7  |
| BM - Back-Medium(30-60)     | 6377.8 | 21.3 |
| BH - Back-High(60-80)       | 2974.6 | 9.9  |
| BVH - Back-Very High(80-90) | 74.617 | 0.2  |
| Total Back Light            | 12017  | 40.2 |

|                            |   |     |
|----------------------------|---|-----|
| 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 | B4-U0-G4 |
|---------------------------|----------|

| Zone        | Downward<br>Lumens | Upward<br>Lumens | Total<br>Lumens |
|-------------|--------------------|------------------|-----------------|
| House Side  | 12017              | 0                | 12017           |
| Street Side | 17894              | 0                | 17894           |

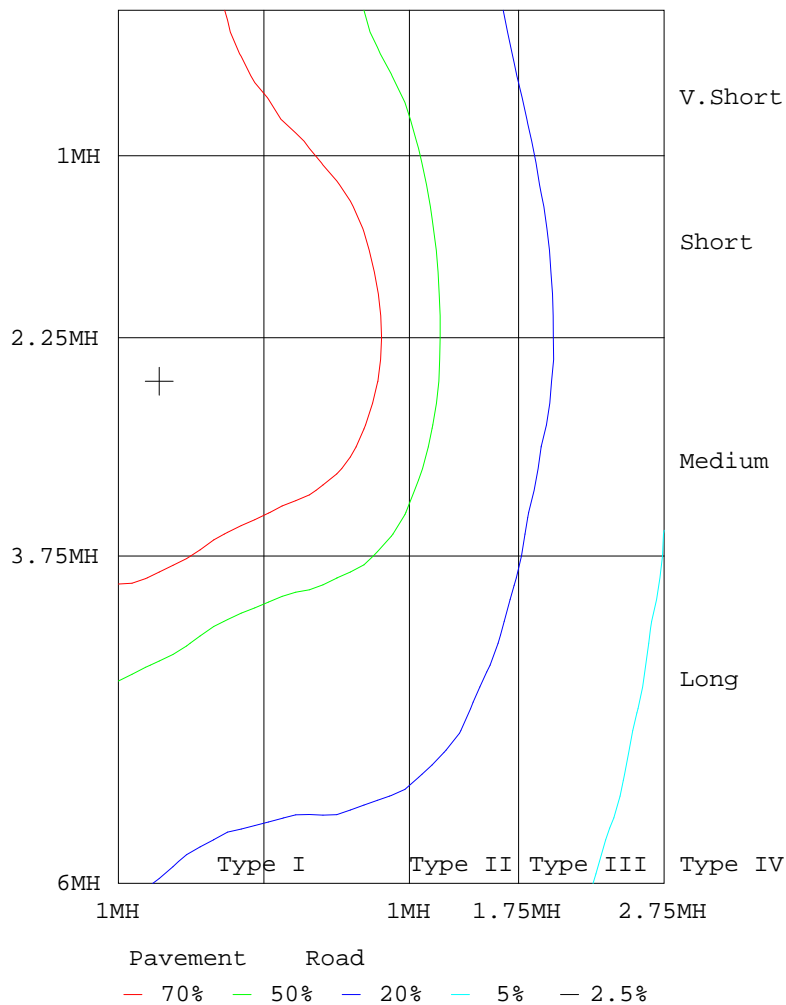
C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks: 5050 3M

ROAD ISOCANDELA REPORT

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

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2017

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks: 5050 3M















