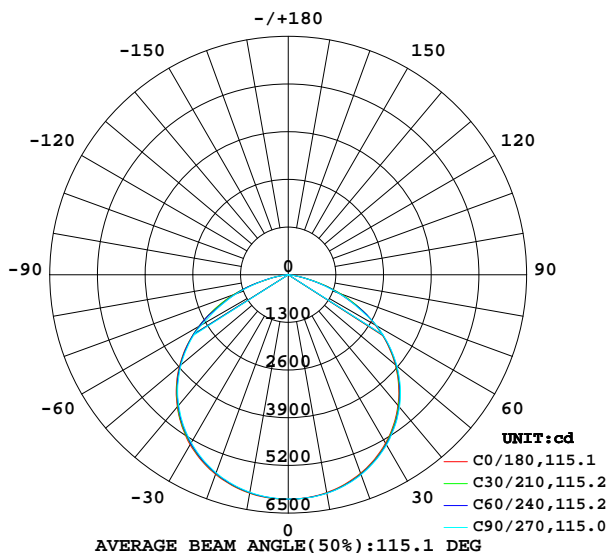
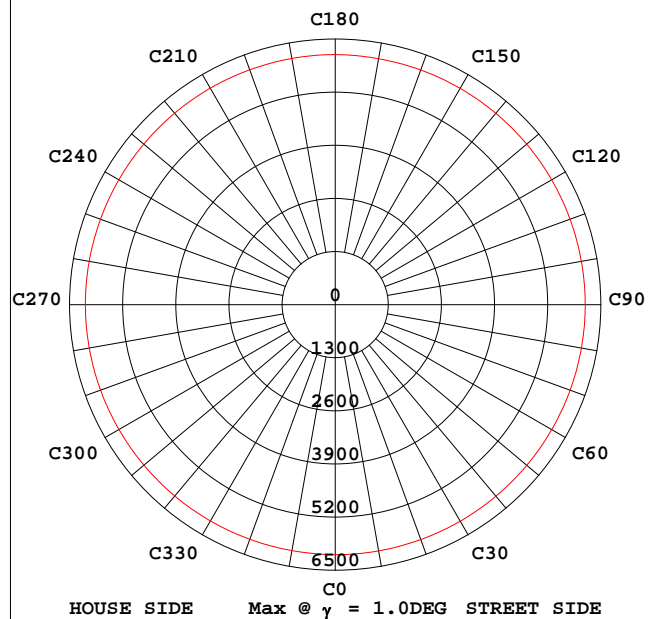


## STREETLIGHT PHOTOMETRIC TEST REPORT

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

| DATA OF LAMP     |                  | PHOTOMETRIC DATA Eff: 145.00 lm/W |         |                       |         |
|------------------|------------------|-----------------------------------|---------|-----------------------|---------|
| MODEL            | LD120LMX 5S 3030 | Imax(cd)                          | 6121    | $\eta$ street_up(%)   | 0.0     |
| NOMINAL POWER(W) | 120              | LOR(%)                            | 100.0   | $\eta$ street_down(%) | 50.1    |
| RATED VOLTAGE(V) | 220              | TOTAL FLUX(lm)                    | 17400   | $\eta$ house_up(%)    | 0.0     |
| NOMINAL FLUX(lm) | 17400            | MAXIMUM @ (C, $\gamma$ )          | 180,1.0 | $\eta$ house_down(%)  | 49.9    |
| LAMPS INSIDE     | 1                | $\eta$ up(%)                      | 0.0     | 76 FLASHAREA(m2)      | 0.05000 |
| TEST VOLTAGE(V)  | 220.1            | $\eta$ down(%)                    | 100.0   | SLI                   | 21.882  |

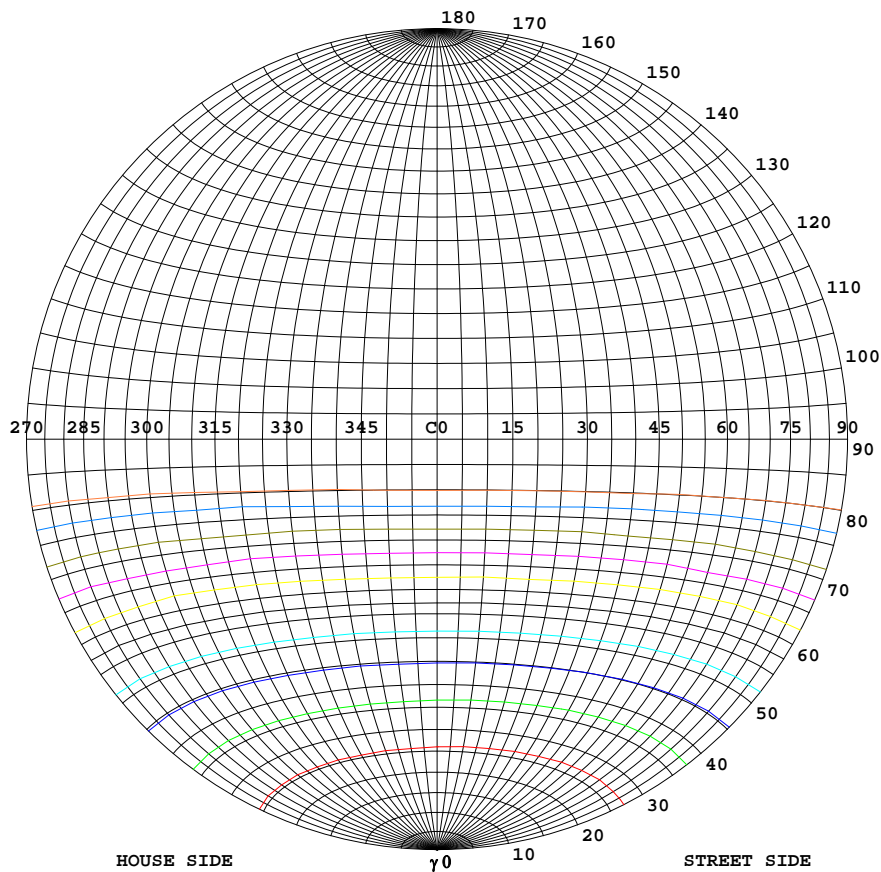
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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: |



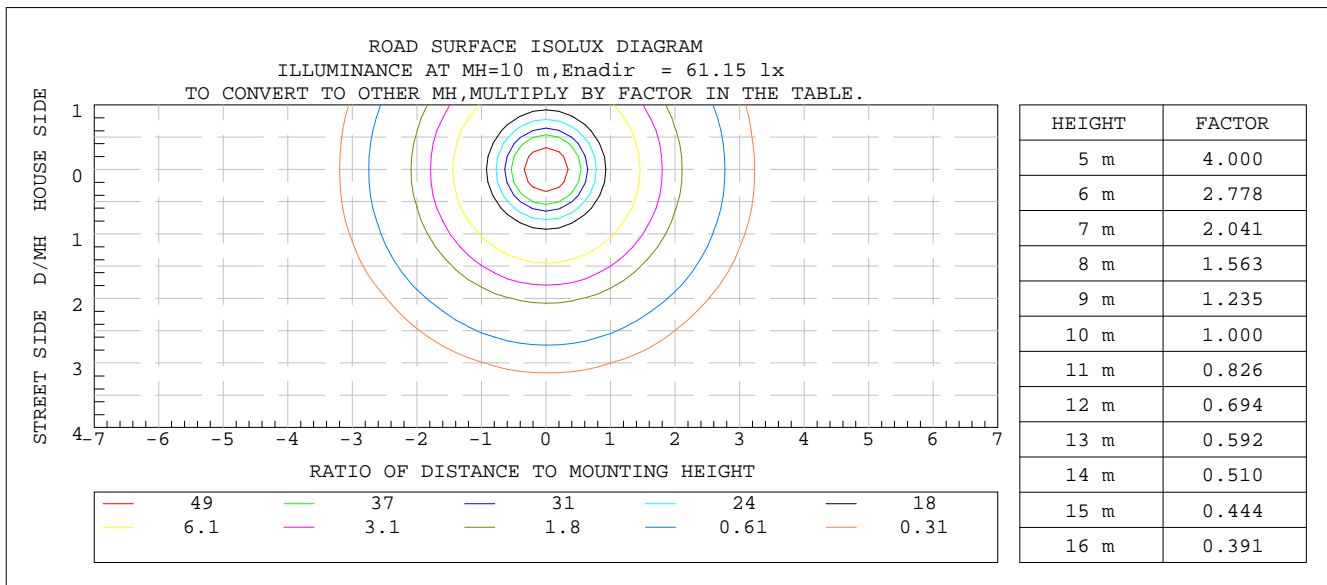
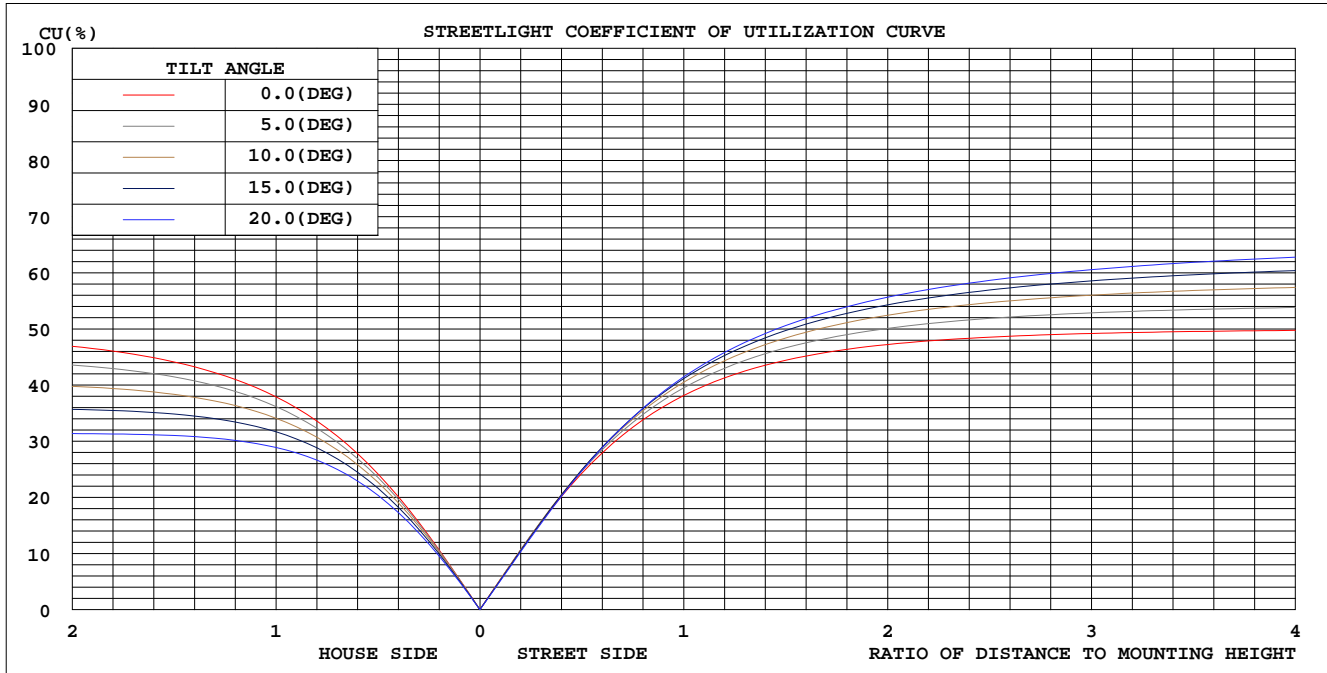
Classification:

IES:Type V - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:21.87cd/klm  
 Max.At90:0.3000cd/klm  
 Max.80-90:21.87cd/klm

| ISOCANDELA DIAGRAM |      |
|--------------------|------|
| UNIT               | cd   |
| Imax=100%          | 6121 |
| 90%                | 5508 |
| 80%                | 4896 |
| 70%                | 4284 |
| 60%                | 3672 |
| 50%                | 3060 |
| 40%                | 2448 |
| 30%                | 1836 |
| 20%                | 1224 |
| 10%                | 612  |
| 5%                 | 306  |

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:

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: |

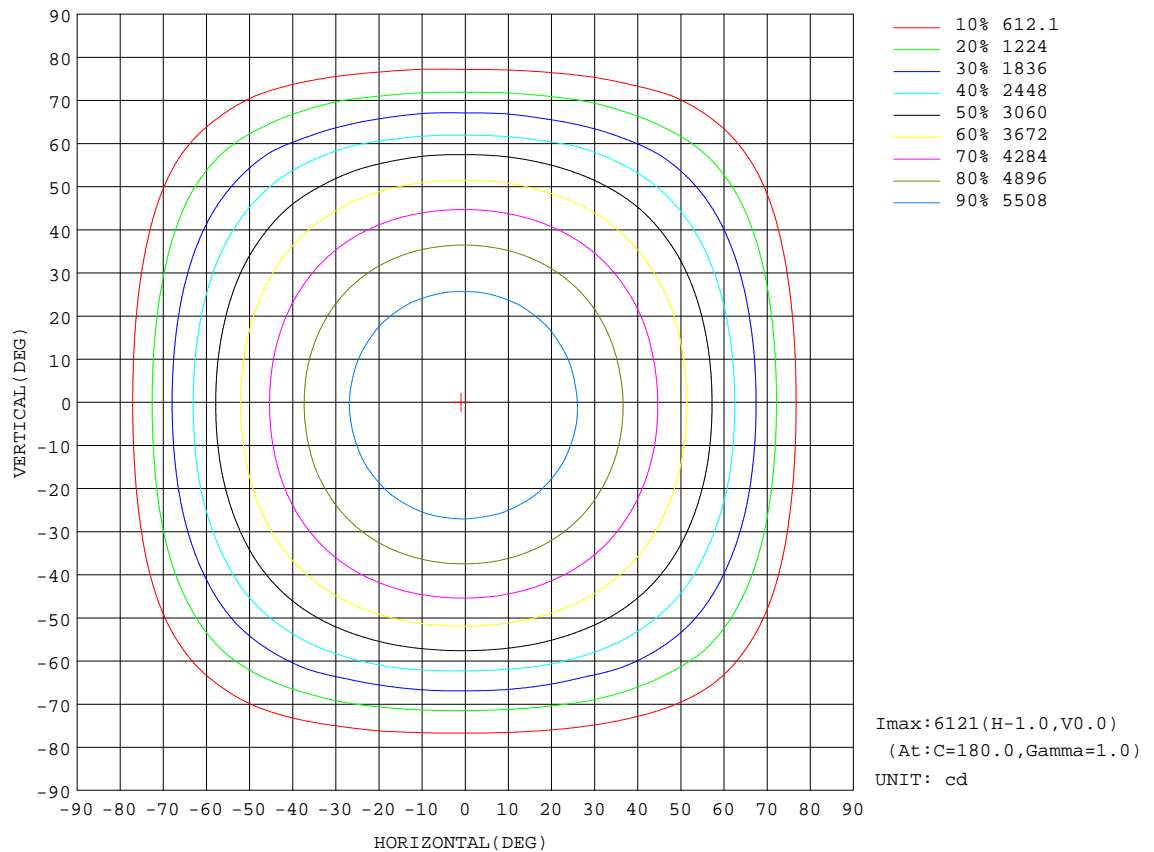
| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | $\Phi$ lum,lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------------|
| 10       | 6032                  | 6045  | 6052  | 6048  | 6051  | 6035  | 6022  | 6018  | 0- 10    | 580.1       | 580.1        | 3.33,3.33       |
| 20       | 5760                  | 5784  | 5804  | 5802  | 5793  | 5767  | 5747  | 5741  | 10- 20   | 1674        | 2255         | 13,13           |
| 30       | 5302                  | 5335  | 5361  | 5365  | 5353  | 5322  | 5286  | 5281  | 20- 30   | 2569        | 4824         | 27.7,27.7       |
| 40       | 4653                  | 4687  | 4718  | 4730  | 4707  | 4680  | 4648  | 4637  | 30- 40   | 3145        | 7969         | 45.8,45.8       |
| 50       | 3805                  | 3835  | 3867  | 3880  | 3872  | 3847  | 3813  | 3798  | 40- 50   | 3305        | 11273        | 64.8,64.8       |
| 60       | 2741                  | 2766  | 2782  | 2820  | 2814  | 2804  | 2716  | 2756  | 50- 60   | 2979        | 14252        | 81.9,81.9       |
| 70       | 1504                  | 1480  | 1454  | 1526  | 1570  | 1542  | 1493  | 1500  | 60- 70   | 2125        | 16377        | 94.1,94.1       |
| 80       | 293.3                 | 304.9 | 311.1 | 319.1 | 314.7 | 352.4 | 351.3 | 335.9 | 70- 80   | 930.1       | 17307        | 99.5,99.5       |
| 90       | 4.309                 | 4.396 | 4.277 | 4.281 | 5.068 | 5.052 | 5.036 | 5.188 | 80- 90   | 93.58       | 17400        | 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

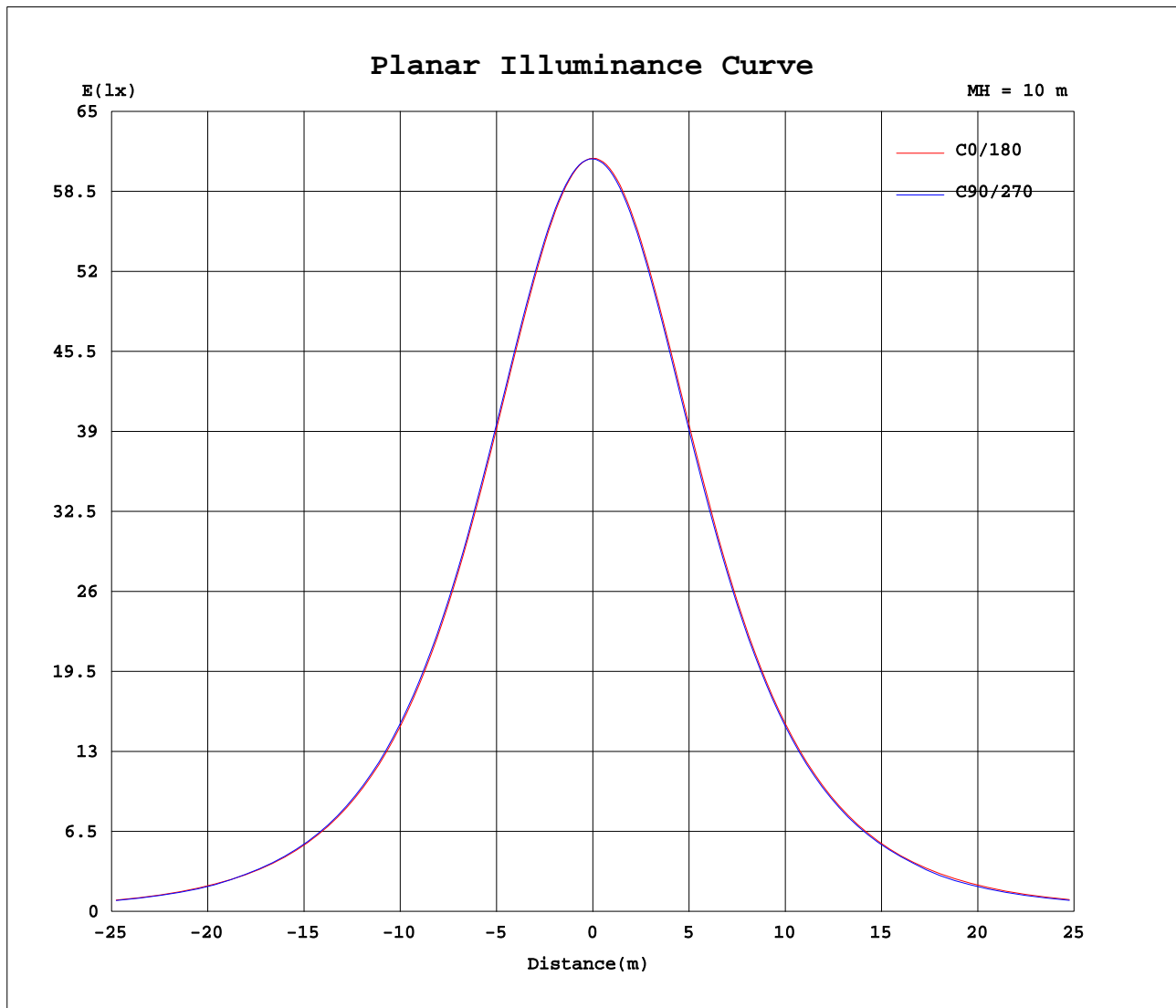
|        |                |                  |
|--------|----------------|------------------|
| NAME:  | TYPE:          | WEIGHT:          |
| SPEC.: | DIM.:          | SERIAL No.:      |
| MFR.:  | SUR.:21cm*16cm | Shielding Angle: |



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



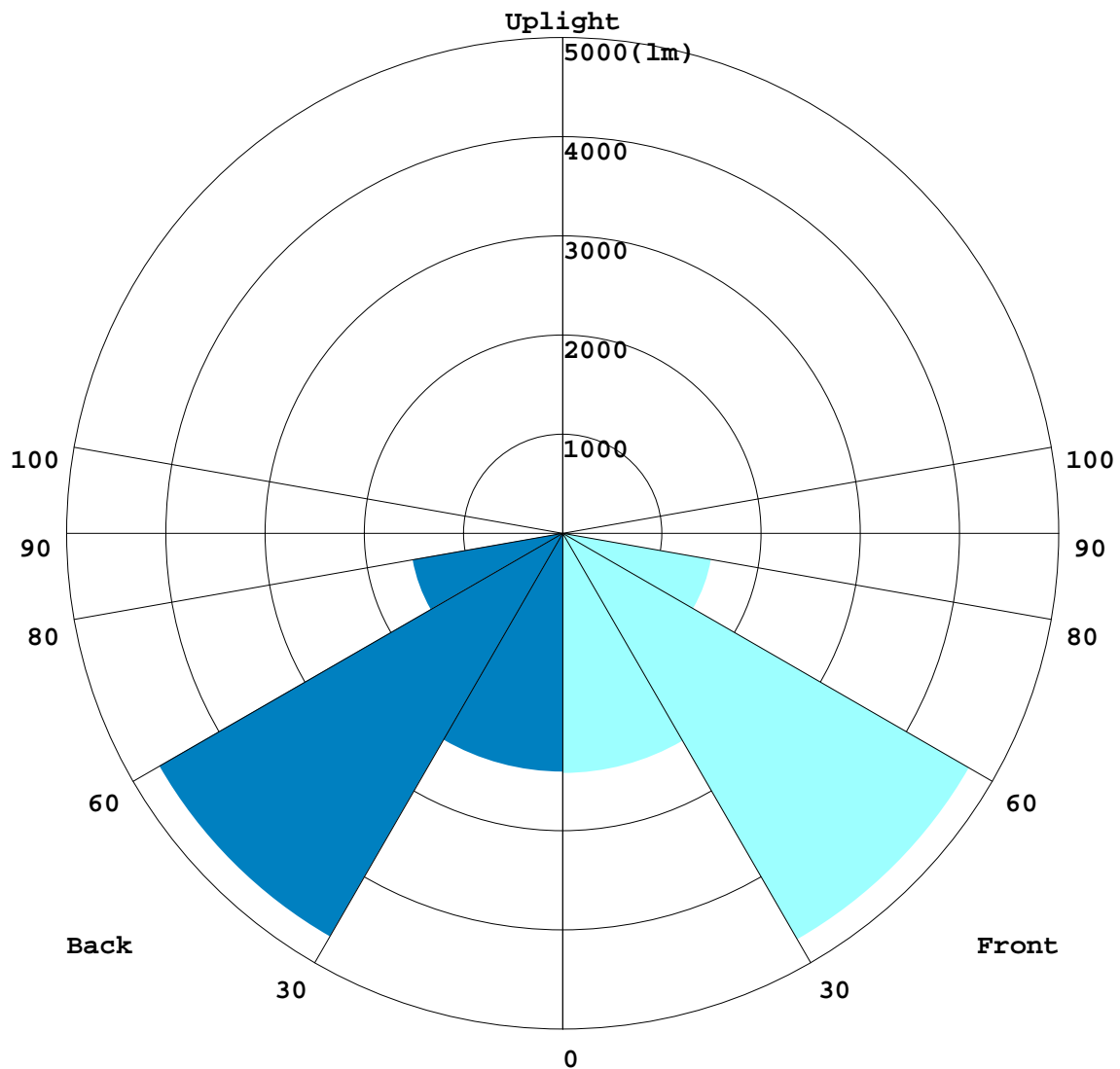
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2017.10.31

$\gamma$  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)         | 2418.5 | 13.9        |
| FM - Front-Medium(30-60)     | 4732.1 | 27.2        |
| FH - Front-High(60-80)       | 1518.9 | 8.7         |
| FVH - Front-Very High(80-90) | 43.48  | 0.2         |
| Total Forward Light          | 8712.9 | 50.1        |

|                             |        |      |
|-----------------------------|--------|------|
| BL - Back-Low(0-30)         | 2405.4 | 13.8 |
| BM - Back-Medium(30-60)     | 4696.1 | 27.0 |
| BH - Back-High(60-80)       | 1535.8 | 8.8  |
| BVH - Back-Very High(80-90) | 50.1   | 0.3  |
| Total Back Light            | 8687.4 | 49.9 |

|                            |   |     |
|----------------------------|---|-----|
| 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-G1 |
|---------------------------|----------|

| Zone        | Downward<br>Lumens | Upward<br>Lumens | Total<br>Lumens |
|-------------|--------------------|------------------|-----------------|
| House Side  | 8687.4             | 0                | 8687.4          |
| Street Side | 8712.9             | 0                | 8712.9          |

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

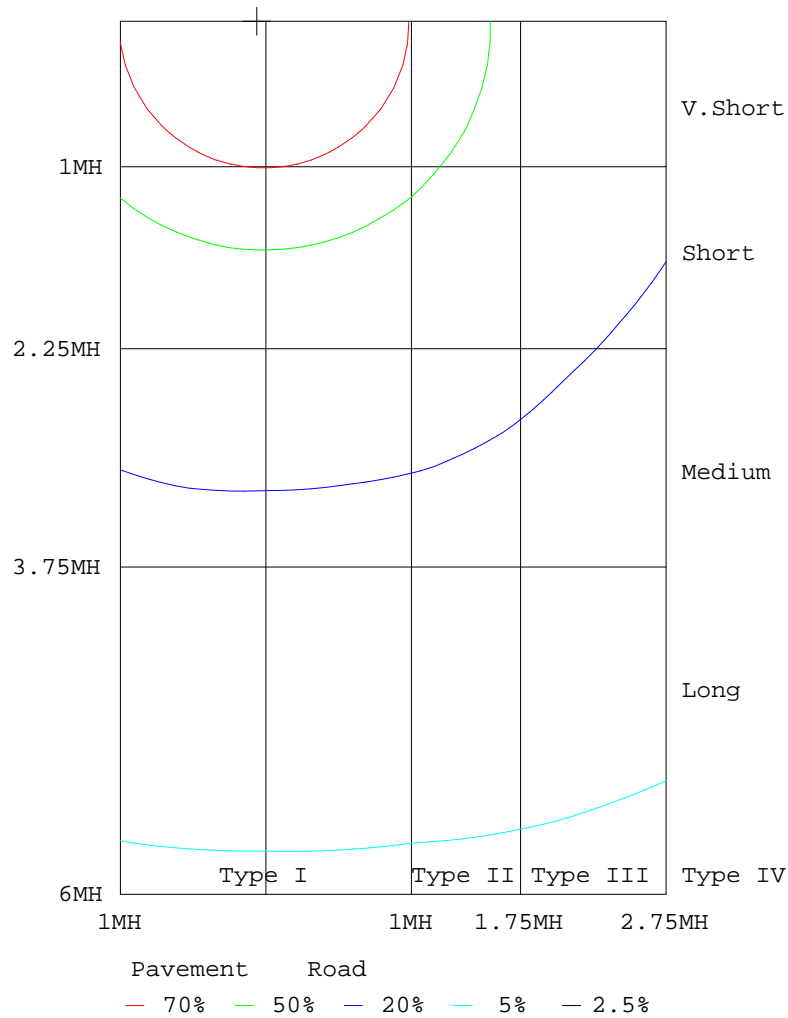
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.480m [K=1.0000]  
Remarks:



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:



