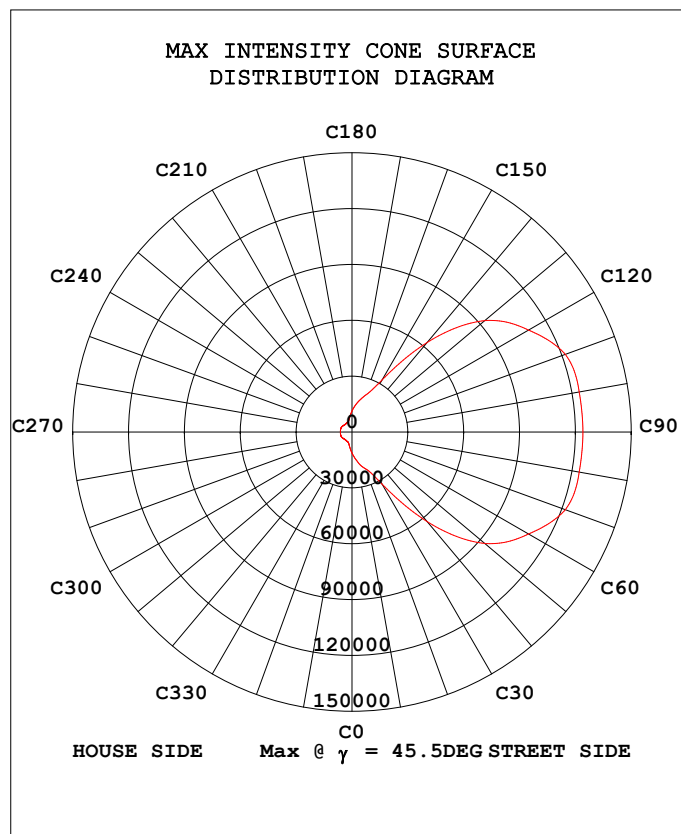
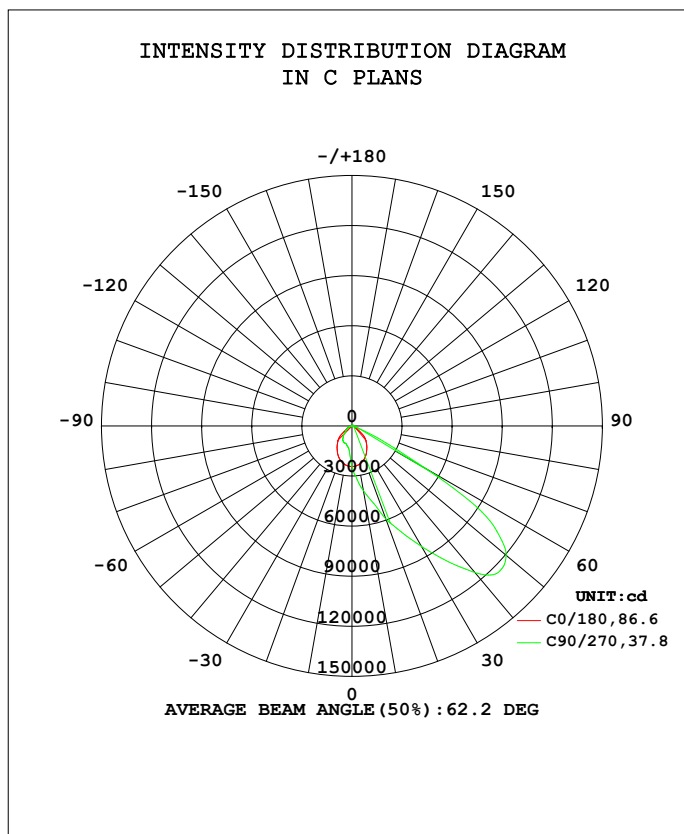


## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## STREETLIGHT PHOTOMETRIC TEST REPORT

|  |       |                  |
|--|-------|------------------|
| Test:U:230.0V I:3.558A P:804.9W PF:0.983 Freq:50.00Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:106751x1 lm |       |                  |
| NAME: SP04-800-5770-F04001Z-L39  | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |

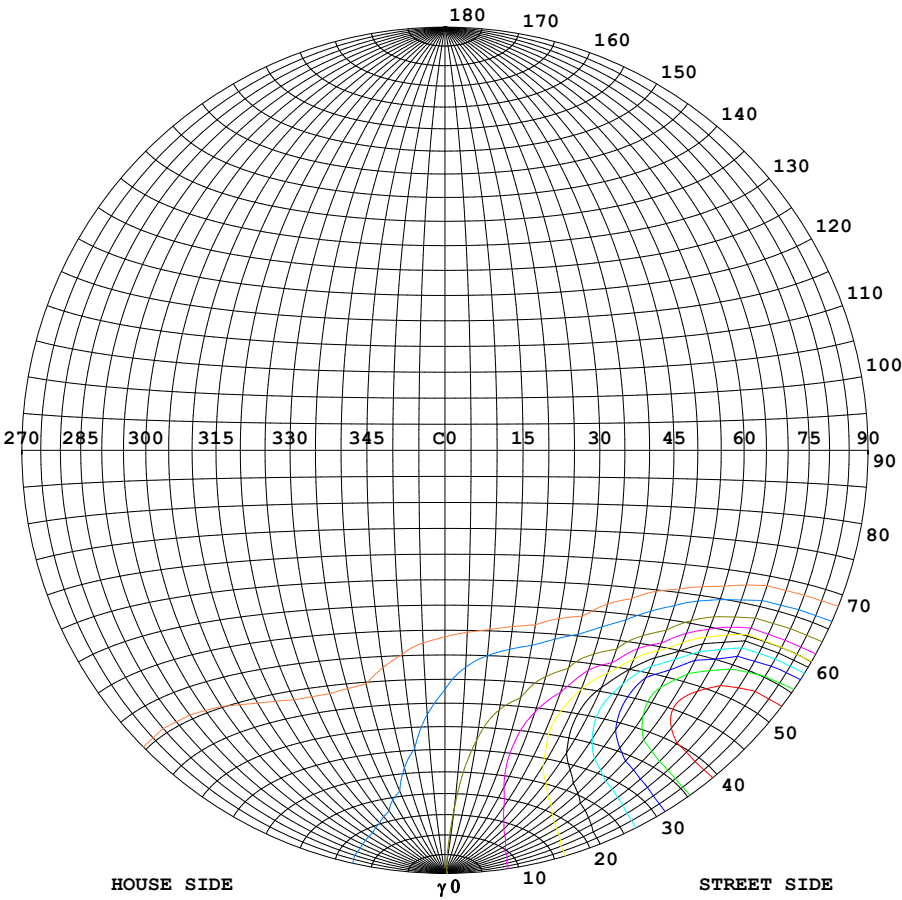
| DATA OF LAMP     |        | PHOTOMETRIC DATA Eff: 132.63 lm/W |         |                       |      |
|------------------|--------|-----------------------------------|---------|-----------------------|------|
| MODEL            | /      | Imax(cd)                          | 124056  | $\eta$ street_up(%)   | 0.0  |
| NOMINAL POWER(W) | /      | LOR(%)                            | 100.0   | $\eta$ street_down(%) | 86.4 |
| RATED VOLTAGE(V) | /      | TOTAL FLUX(lm)                    | 106751  | $\eta$ house_up(%)    | 0.0  |
| NOMINAL FLUX(lm) | 106751 | MAXIMUM @ (C, $\gamma$ )          | 90,45.5 | $\eta$ house_down(%)  | 13.6 |
| LAMPS INSIDE     | 1      | $\eta$ up(%)                      | 0.0     | 76 FLASHAREA(m2)      |      |
| TEST VOLTAGE(V)  | /      | $\eta$ down(%)                    | 100.0   | SLI                   |      |



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:2023-04-24

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4556]  
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

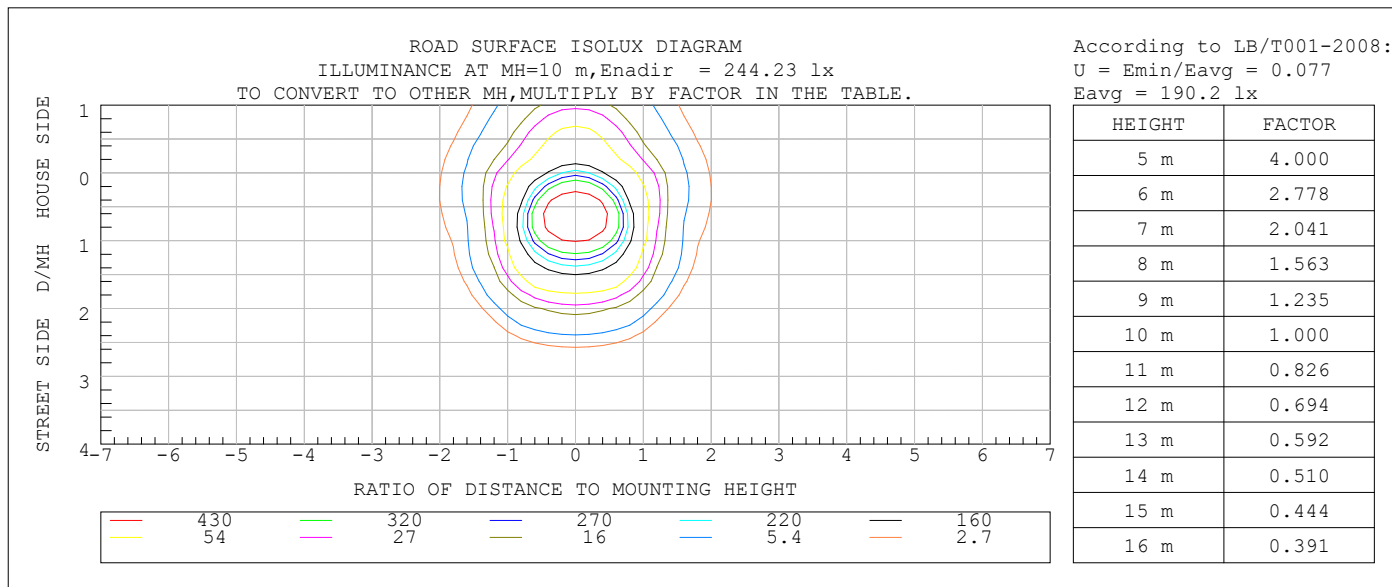
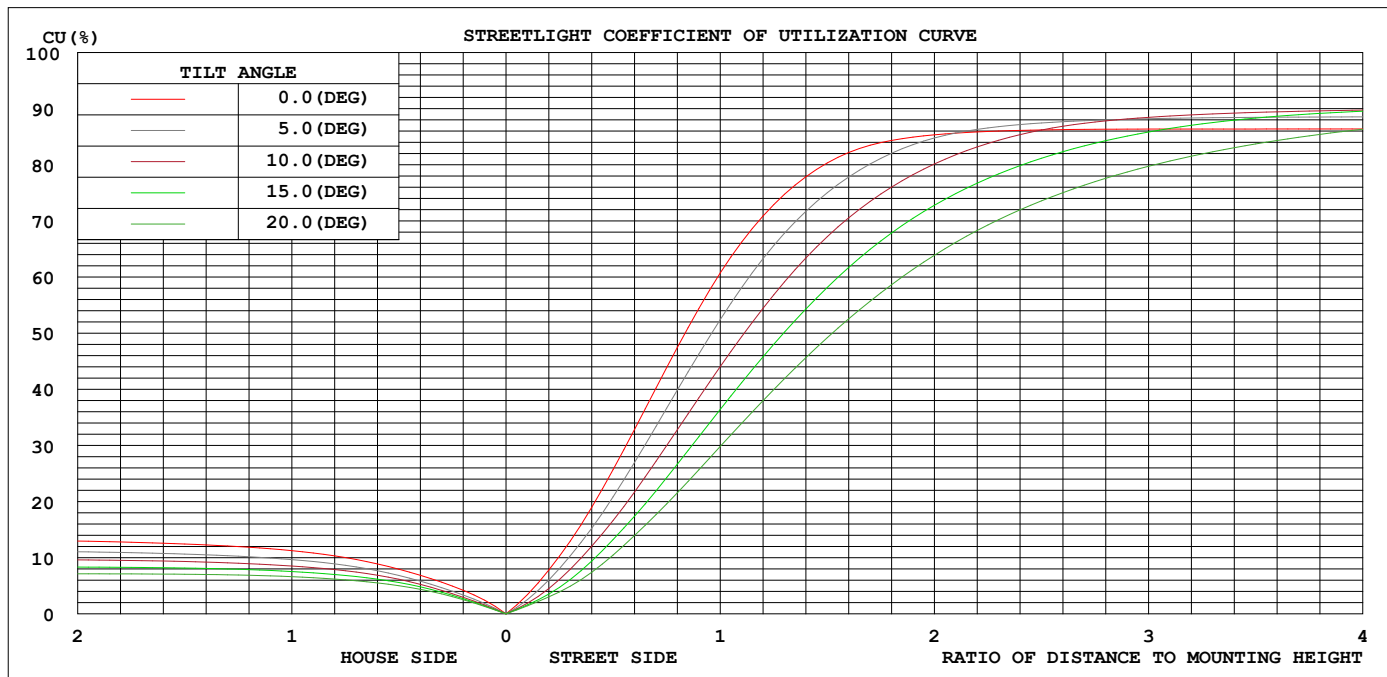


Classification:  
IES:Type II - Very Short  
CIE:Average - Short  
IES:Full cut-off  
CIE:Full cut-off  
Max.At80:5.448cd/klm  
Max.At90:0cd/klm  
Max.80-90:5.448cd/klm  
NRB 5101:Limited[1.0%]

| ISOCANDELA DIAGRAM |        |
|--------------------|--------|
| UNIT               | cd     |
| Imax=100%          | 124056 |
| 90%                | 111650 |
| 80%                | 99245  |
| 70%                | 86839  |
| 60%                | 74434  |
| 50%                | 62028  |
| 40%                | 49622  |
| 30%                | 37217  |
| 20%                | 24811  |
| 10%                | 12406  |
| 5%                 | 6203   |

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-04-24

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=0.4556]  
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: 2023-04-24

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

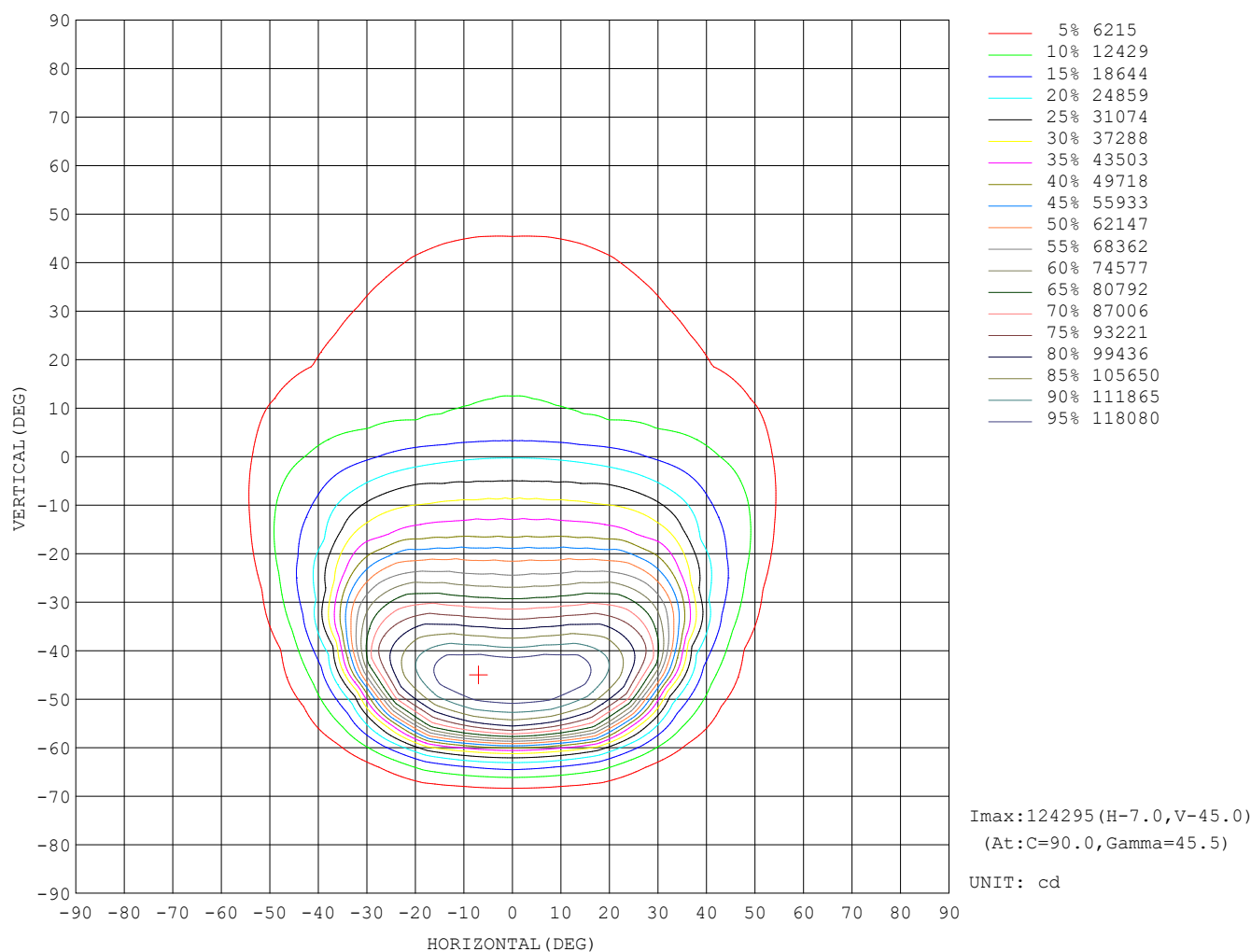
## ZONAL FLUX DIAGRAM

| $\gamma$ | C0                        | C45    | C90   | C135   | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|---------------------------|--------|-------|--------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10       | 235.6                     | 345.9  | 393.0 | 345.9  | 235.6 | 141.0 | 131.2 | 141.0 | 0- 10    | 2301        | 2301         | 2.16,2.16  |
| 20       | 212.9                     | 452.5  | 590.8 | 452.5  | 212.9 | 110.9 | 111.6 | 110.9 | 10- 20   | 7453        | 9754         | 9.14,9.14  |
| 30       | 175.7                     | 640.8  | 833.1 | 640.8  | 175.7 | 94.09 | 105.0 | 94.09 | 20- 30   | 14530       | 24284        | 22.7,22.7  |
| 40       | 134.9                     | 792.7  | 1146  | 792.7  | 134.9 | 73.59 | 80.47 | 73.59 | 30- 40   | 23553       | 47837        | 44.8,44.8  |
| 50       | 90.52                     | 621.2  | 1205  | 621.2  | 90.52 | 44.62 | 48.83 | 44.62 | 40- 50   | 29922       | 77759        | 72.8,72.8  |
| 60       | 34.68                     | 146.6  | 508.5 | 146.6  | 34.68 | 28.31 | 33.14 | 28.31 | 50- 60   | 22068       | 99827        | 93.5,93.5  |
| 70       | 18.56                     | 20.95  | 27.74 | 20.95  | 18.56 | 13.57 | 18.95 | 13.57 | 60- 70   | 5868        | 105696       | 99,99      |
| 80       | 5.135                     | 0.5867 | 1.020 | 0.5867 | 5.135 | 3.866 | 5.737 | 3.866 | 70- 80   | 921.5       | 106617       | 99.9,99.9  |
| 90       | 0                         | 0      | 0     | 0      | 0     | 0     | 0     | 0     | 80- 90   | 133.7       | 106751       | 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:X100cd |        |       |        |       |       |       |       |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:LYJ  
 Test Date:2023-04-24

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
 Humidity:65.0%  
 Test Distance:26.000m [K=0.4556]  
 Remarks:

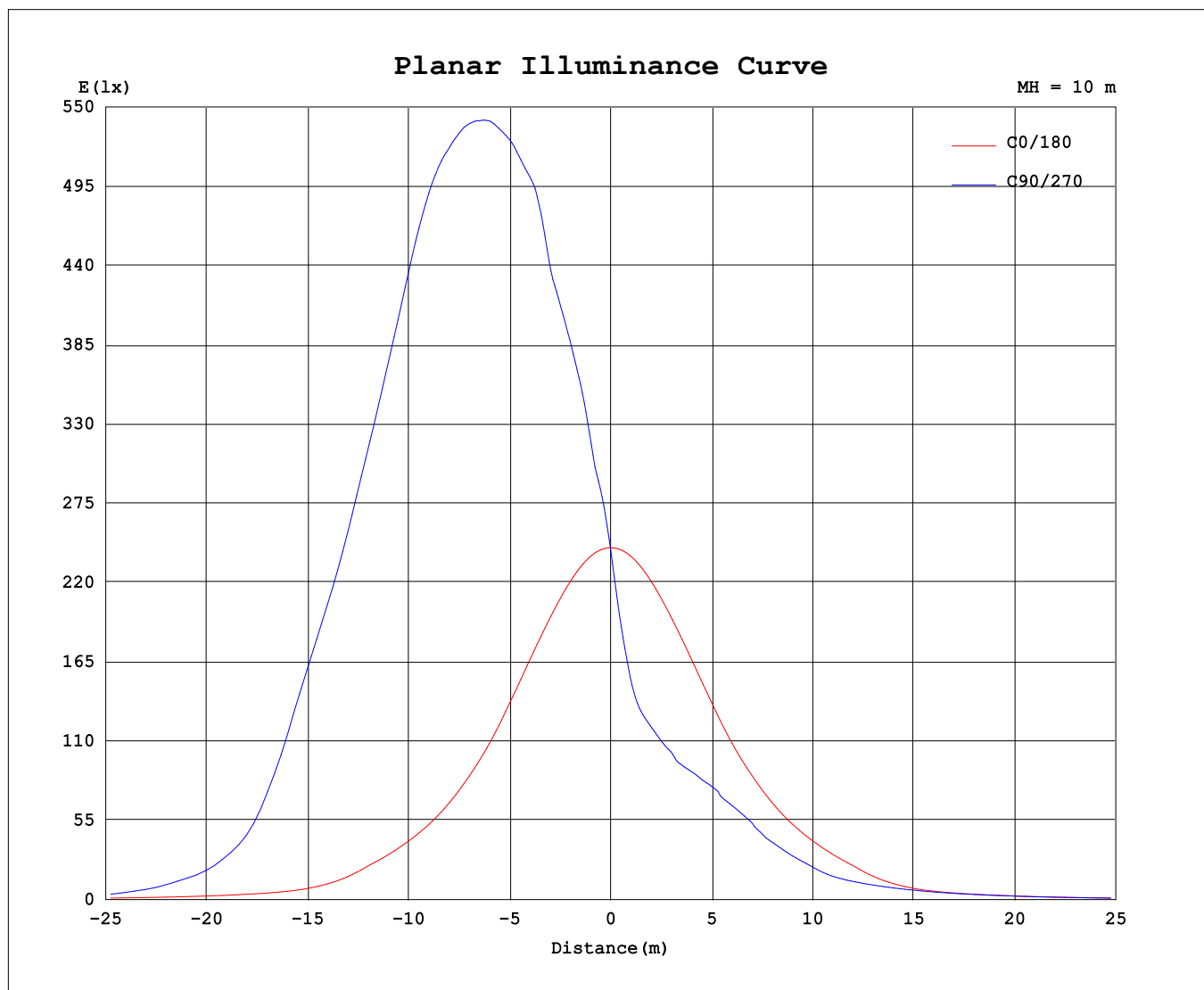
## ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:LYJ  
Test Date:2023-04-24

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4556]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: LYJ  
Test Date: 2023-04-24

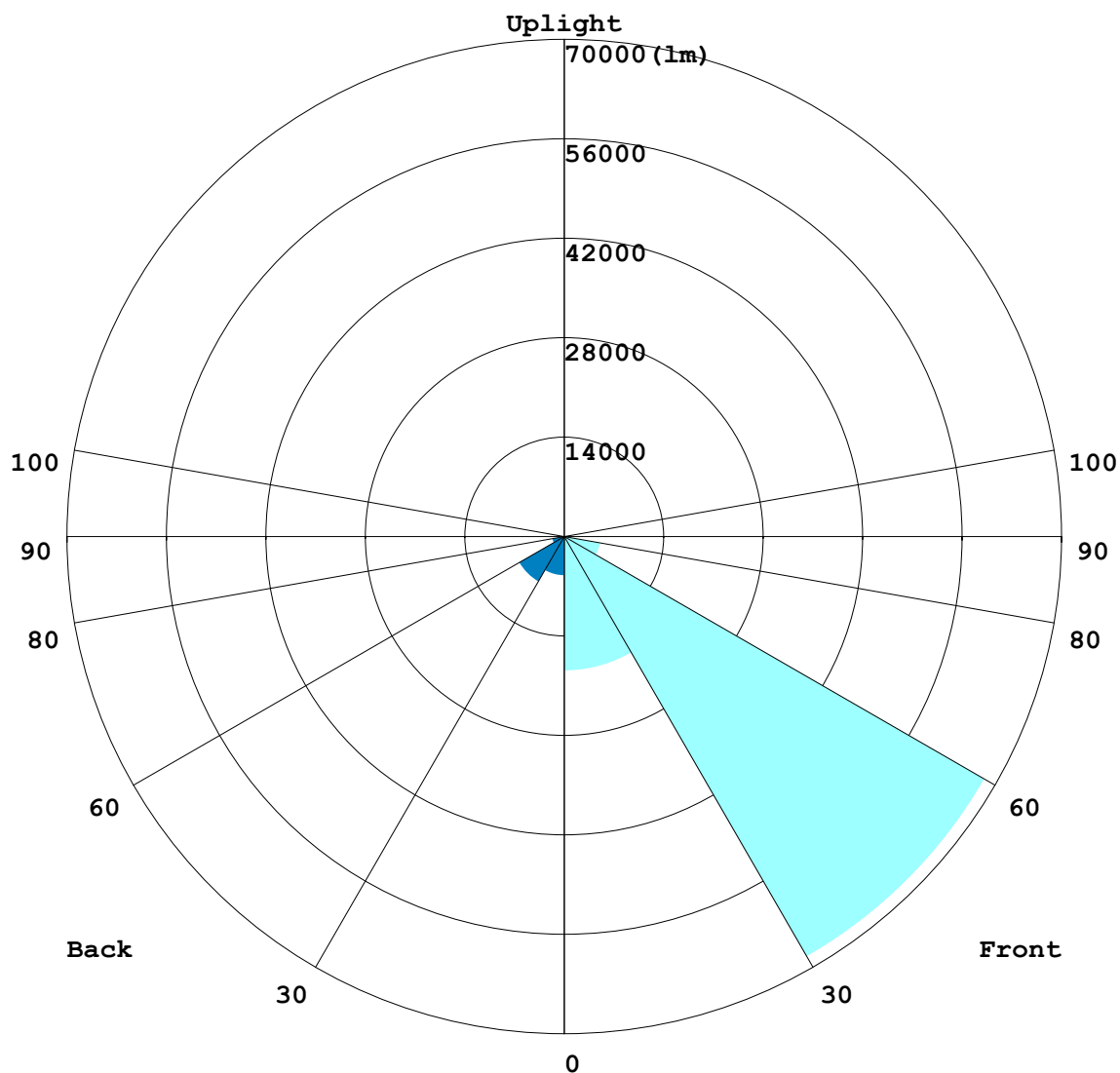
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity: 65.0%  
Test Distance: 26.000m [K=0.4556]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LCS REPORT

|   |       |                  |
|---|-------|------------------|
| Test:U:230.0V I:3.558A P:804.9W PF:0.983 Freq:50.00Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:106751x1 lm |       |                  |
| NAME: SP04-800-5770-F04001Z-L39                       | 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℃  
 Operators:LYJ  
 Test Date:2023-04-24

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=0.4556]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## BUG REPORT

|  |       |                  |
|--|-------|------------------|
| Test:U:230.0V I:3.558A P:804.9W PF:0.983 Freq:50.00Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:106751x1 lm |       |                  |
| NAME: SP04-800-5770-F04001Z-L39  | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.:  | SUR.: | Shielding Angle: |

### IESNA Luminaire Flux Distribution Table:

| Zone                         | Lumens | Luminaire % |
|------------------------------|--------|-------------|
| FL - Front-Low(0-30)         | 18840  | 17.6        |
| FM - Front-Medium(30-60)     | 68254  | 63.9        |
| FH - Front-High(60-80)       | 5102.7 | 4.8         |
| FVH - Front-Very High(80-90) | 42.949 | 0.0         |
| Total Forward Light          | 92240  | 86.4        |

|                             |        |      |
|-----------------------------|--------|------|
| BL - Back-Low(0-30)         | 5444.4 | 5.1  |
| BM - Back-Medium(30-60)     | 7288.8 | 6.8  |
| BH - Back-High(60-80)       | 1687.3 | 1.6  |
| BVH - Back-Very High(80-90) | 90.726 | 0.1  |
| Total Back Light            | 14511  | 13.6 |

|                            |   |     |
|----------------------------|---|-----|
| 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<br>Lumens | Upward<br>Lumens | Total<br>Lumens |
|-------------|--------------------|------------------|-----------------|
| House Side  | 14511              | 0                | 14511           |
| Street Side | 92240              | 0                | 92240           |

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:LYJ  
Test Date:2023-04-24

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=0.4556]  
Remarks:

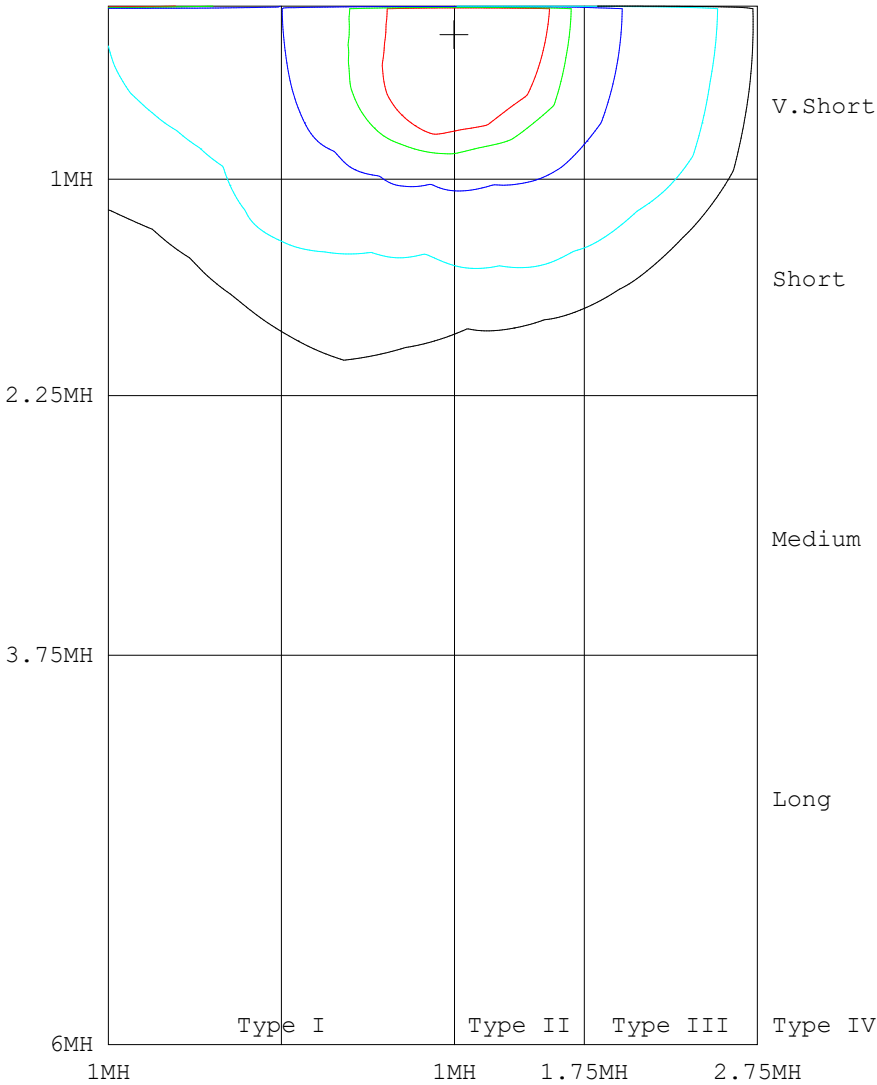


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

|   |       |                  |
|---|-------|------------------|
| Test:U:230.0V I:3.558A P:804.9W PF:0.983 Freq:50.00Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:106751x1 lm |       |                  |
| NAME: SP04-800-5770-F04001Z-L39                       | 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℃  
Operators:LYJ  
Test Date:2023-04-24

Pavement

Road

γ Range:24053 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.465  
Humidity:65.0%  
Test Distance:26.000m [K=0.4556]  
Remarks:

70% 86986 50% 62133 2.5% 3106.6