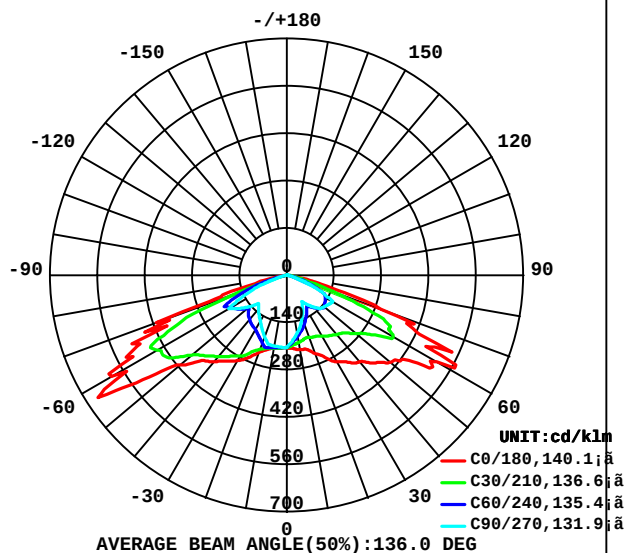


# STREETLIGHT PHOTOMETRIC TEST REPORT

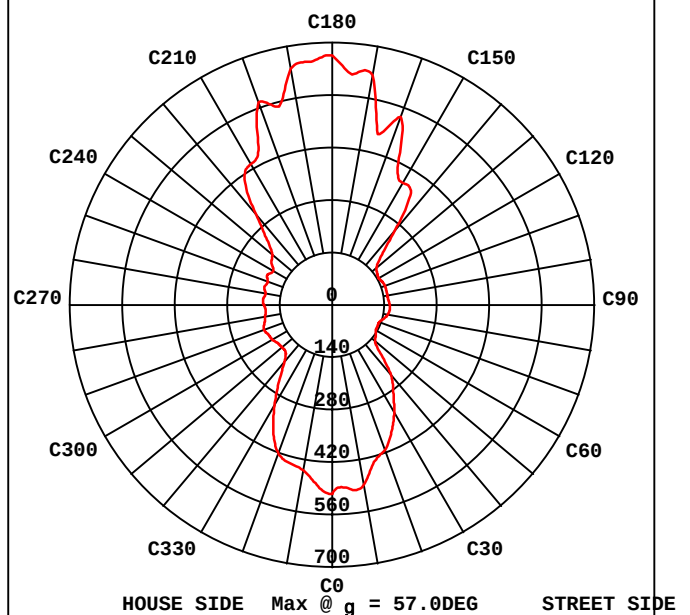
|                                                                   |             |                   |
|-------------------------------------------------------------------|-------------|-------------------|
| Test:U:221.5V I:0.1300A P:28.20W PF:0.9740 Lamp Flux:4372.96x1 lm |             |                   |
| NAME: LEAF RANGE                                                  | TYPE:30W    | WEIGHT:1.5        |
| DIM.:                                                             | SPEC.:4000K | SERIAL No.:       |
| MFR.: LED MARKET SRL                                              | SUR.:       | PROTECTION ANGLE: |

| DATA OF LAMP     |                  | PHOTOMETRIC DATA Eff: 156.55 lm/W |          |                  |      |
|------------------|------------------|-----------------------------------|----------|------------------|------|
| MODEL            | RANGE 30W, 4000K | Imax(cd/klm)                      | 666.0    | h street_up(%)   | 0.0  |
| NOMINAL POWER(W) | 30               | LOR(%)                            | 101.0    | h street_down(%) | 47.0 |
| RATED VOLTAGE(V) | 222              | TOTAL FLUX(lm/klm)                | 1010     | h house_up(%)    | 0.0  |
| NOMINAL FLUX(lm) | 4372.96          | MAXIMUM @(C,g )                   | 180,57.0 | h house_down(%)  | 54.0 |
| LAMPS INSIDE     | 1                | h up(%)                           | 0.0      | 76 FLASHAREA(m2) |      |
| TEST VOLTAGE(V)  | 221.5            | h down(%)                         | 101.0    | SLI              |      |

INTENSITY DISTRIBUTION DIAGRAM IN C PLANS



MAX INTENSITY CONE SURFACE DISTRIBUTION DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:22DEG  
Operators:ROMAN  
Test Date:2019-03-21

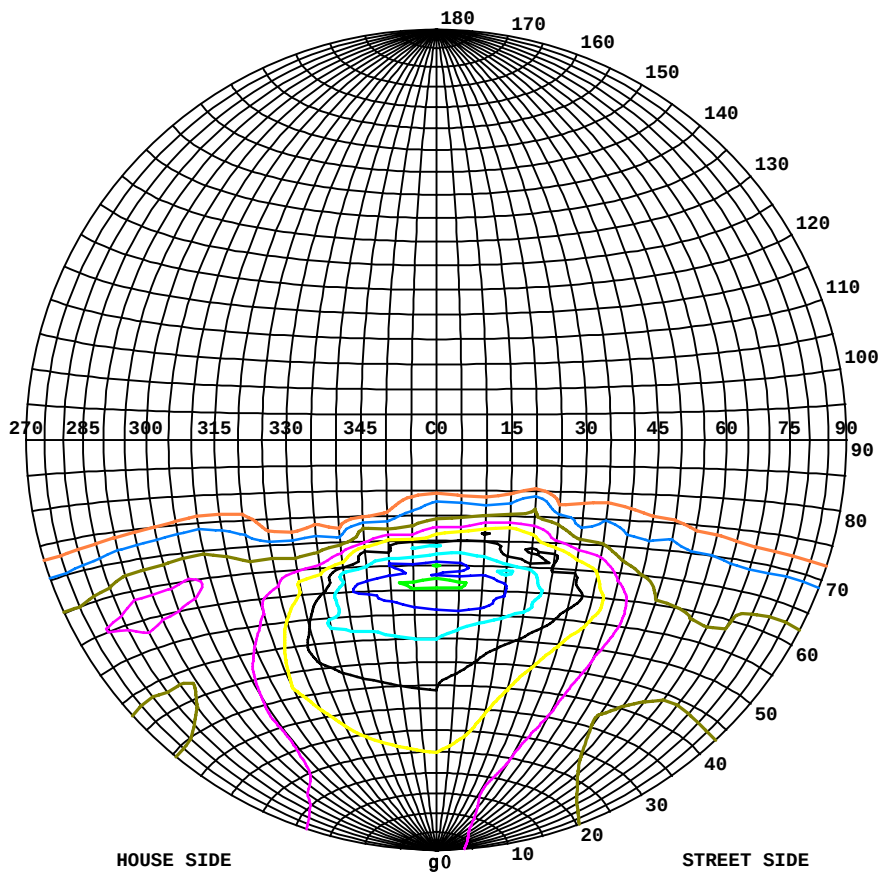
g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

Note: SLI:Specific Luminaire Index

C:\Users\LAB\Desktop\LED\HIGH BAY\STREET\LEAF\STREET LEAF 30W 4000K.GOS

# STREETLIGHT ISOCANDELA DIAGRAM

|                                                                   |             |                   |
|-------------------------------------------------------------------|-------------|-------------------|
| Test:U:221.5V I:0.1300A P:28.20W PF:0.9740 Lamp Flux:4372.96x1 lm |             |                   |
| NAME: LEAF RANGE                                                  | TYPE:30W    | WEIGHT:1.5        |
| DIM.:                                                             | SPEC.:4000K | SERIAL No.:       |
| MFR.: LED MARKET SRL                                              | SUR.:       | PROTECTION ANGLE: |



## Classification:

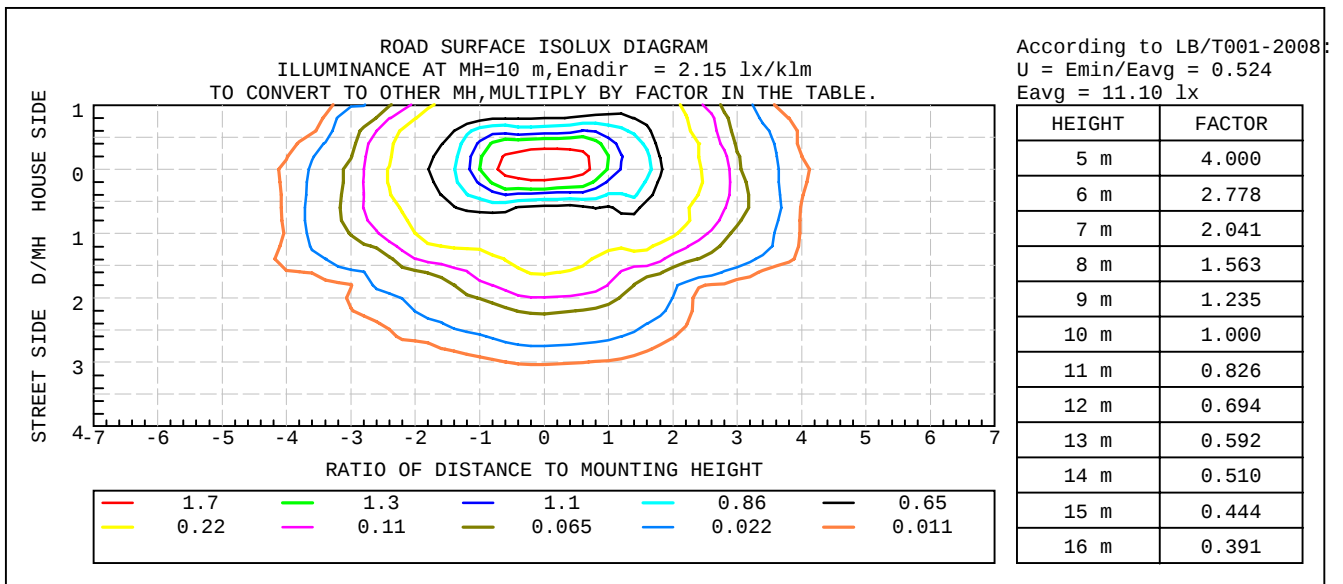
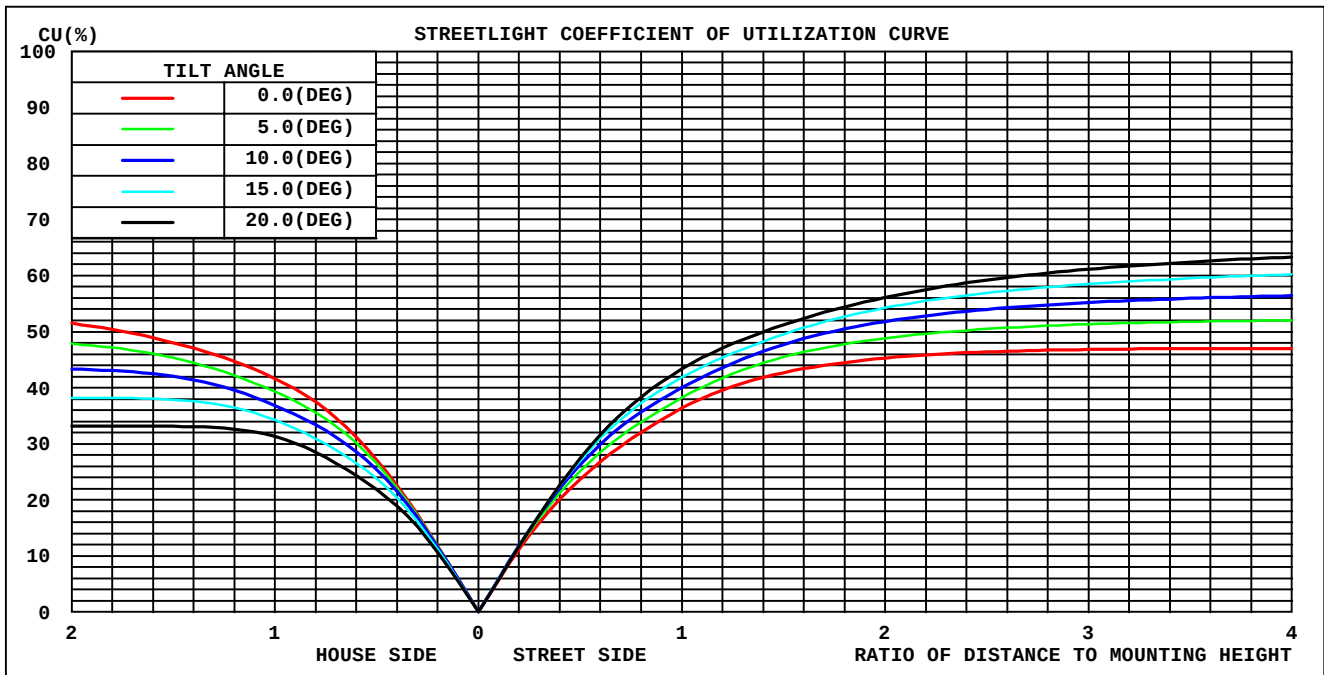
IES:Type II - Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:42.55cd/klm  
 Max.At90:1.022cd/klm  
 Max.80-90:42.55cd/klm  
 NRB 5101:Semi limited[13.7%]

| ISOCANDELA DIAGRAM     |        |
|------------------------|--------|
| UNIT                   | cd/klm |
| I <sub>max</sub> =100% | 666    |
| 90%                    | 599    |
| 80%                    | 533    |
| 70%                    | 466    |
| 60%                    | 400    |
| 50%                    | 333    |
| 40%                    | 266    |
| 30%                    | 200    |
| 20%                    | 133    |
| 10%                    | 67     |
| 5%                     | 33     |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:ROMAN  
 Test Date:2019-03-21

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

# COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 22DEG  
Operators: ROMAN  
Test Date: 2019-03-21

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 8.000m [K=1.0000]  
Remarks:

# ZONAL FLUX DIAGRAM

|                                                                   |             |                   |
|-------------------------------------------------------------------|-------------|-------------------|
| Test:U:221.5V I:0.1300A P:28.20W PF:0.9740 Lamp Flux:4372.96x1 lm |             |                   |
| NAME: LEAF RANGE                                                  | TYPE:30W    | WEIGHT:1.5        |
| DIM.:                                                             | SPEC.:4000K | SERIAL No.:       |
| MFR.: LED MARKET SRL                                              | SUR.:       | PROTECTION ANGLE: |

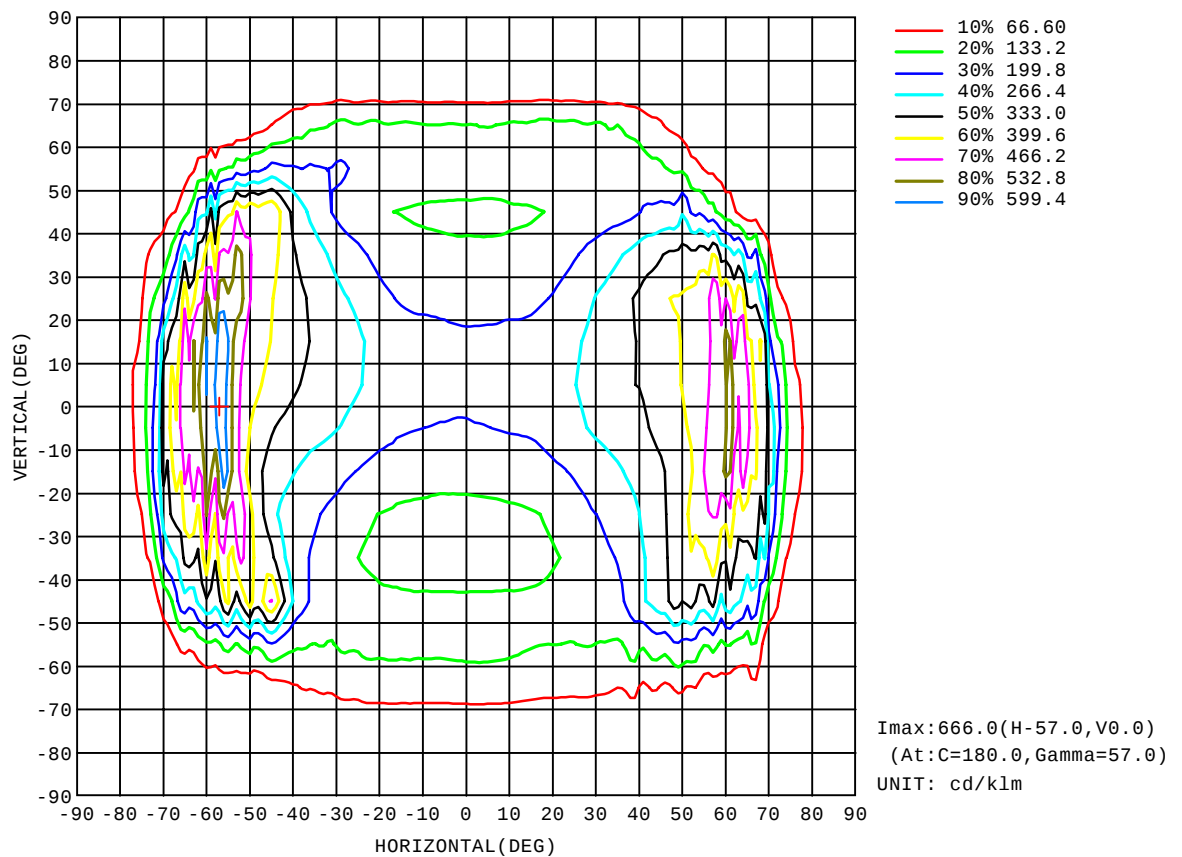
| g   | C0                        | C45   | C90   | C135  | C180   | C225  | C270  | C315  | g       | F zone      | F total | %lum, lamp |
|-----|---------------------------|-------|-------|-------|--------|-------|-------|-------|---------|-------------|---------|------------|
| 5   | 218.3                     | 203.8 | 195.7 | 201.8 | 217.1  | 215.8 | 214.1 | 216.5 | 0- 5    | 5.060       | 5.060   | 0.50,0.51  |
| 10  | 224.0                     | 193.1 | 176.5 | 189.4 | 219.8  | 220.1 | 213.2 | 218.3 | 5- 10   | 14.88       | 19.94   | 1.97,1.99  |
| 15  | 227.5                     | 183.1 | 157.2 | 178.3 | 228.4  | 222.7 | 212.3 | 221.1 | 10- 15  | 24.23       | 44.17   | 4.38,4.42  |
| 20  | 247.2                     | 172.9 | 134.8 | 167.5 | 243.6  | 226.7 | 194.1 | 221.2 | 15- 20  | 33.11       | 77.28   | 7.66,7.73  |
| 25  | 267.7                     | 164.0 | 112.5 | 159.0 | 269.2  | 224.4 | 175.8 | 217.2 | 20- 25  | 41.50       | 118.8   | 11.8,11.9  |
| 30  | 296.5                     | 157.8 | 90.16 | 147.1 | 292.0  | 228.5 | 157.5 | 216.0 | 25- 30  | 49.81       | 168.6   | 16.7,16.9  |
| 35  | 314.2                     | 152.6 | 106.8 | 137.9 | 310.5  | 242.3 | 144.6 | 221.2 | 30- 35  | 58.55       | 227.1   | 22.5,22.7  |
| 40  | 334.2                     | 159.0 | 123.4 | 135.7 | 334.5  | 250.5 | 131.6 | 229.7 | 35- 40  | 69.01       | 296.2   | 29.3,29.6  |
| 45  | 368.2                     | 173.4 | 140.1 | 157.3 | 358.0  | 245.0 | 118.7 | 224.8 | 40- 45  | 80.51       | 376.7   | 37.3,37.7  |
| 50  | 400.4                     | 178.7 | 146.0 | 175.0 | 412.4  | 245.8 | 145.5 | 205.4 | 45- 50  | 93.70       | 470.4   | 46.6,47    |
| 55  | 441.8                     | 184.1 | 151.8 | 190.0 | 569.5  | 247.5 | 172.3 | 174.1 | 50- 55  | 111.9       | 582.3   | 57.7,58.2  |
| 60  | 512.9                     | 181.8 | 157.7 | 174.6 | 599.0  | 233.6 | 199.1 | 178.4 | 55- 60  | 135.6       | 717.9   | 71.1,71.8  |
| 65  | 540.4                     | 133.6 | 106.0 | 127.7 | 479.1  | 188.7 | 134.7 | 167.4 | 60- 65  | 134.0       | 851.9   | 84.4,85.2  |
| 70  | 296.5                     | 72.90 | 54.23 | 62.90 | 411.1  | 107.0 | 70.21 | 109.4 | 65- 70  | 98.43       | 950.3   | 94.1,95    |
| 75  | 106.5                     | 42.75 | 2.489 | 28.29 | 96.91  | 46.25 | 5.743 | 47.78 | 70- 75  | 47.16       | 997.5   | 98.8,99.7  |
| 80  | 22.14                     | 1.813 | 0     | 2.542 | 6.728  | 2.594 | 0     | 2.550 | 75- 80  | 10.83       | 1008    | 99.9,101   |
| 85  | 2.794                     | 0     | 0     | 0     | 2.054  | 0     | 0     | 0     | 80- 85  | 1.099       | 1009    | 100,101    |
| 90  | 1.022                     | 0     | 0     | 0     | 0.9926 | 0     | 0     | 0     | 85- 90  | 0.1610      | 1010    | 100,101    |
| 95  |                           |       |       |       |        |       |       |       | 90- 95  |             |         |            |
| 100 |                           |       |       |       |        |       |       |       | 95-100  |             |         |            |
| 105 |                           |       |       |       |        |       |       |       | 100-105 |             |         |            |
| 110 |                           |       |       |       |        |       |       |       | 105-110 |             |         |            |
| 115 |                           |       |       |       |        |       |       |       | 110-115 |             |         |            |
| 120 |                           |       |       |       |        |       |       |       | 115-120 |             |         |            |
| 125 |                           |       |       |       |        |       |       |       | 120-125 |             |         |            |
| 130 |                           |       |       |       |        |       |       |       | 125-130 |             |         |            |
| 135 |                           |       |       |       |        |       |       |       | 130-135 |             |         |            |
| 140 |                           |       |       |       |        |       |       |       | 135-140 |             |         |            |
| 145 |                           |       |       |       |        |       |       |       | 140-145 |             |         |            |
| 150 |                           |       |       |       |        |       |       |       | 145-150 |             |         |            |
| 155 |                           |       |       |       |        |       |       |       | 150-155 |             |         |            |
| 160 |                           |       |       |       |        |       |       |       | 155-160 |             |         |            |
| 165 |                           |       |       |       |        |       |       |       | 160-165 |             |         |            |
| 170 |                           |       |       |       |        |       |       |       | 165-170 |             |         |            |
| 175 |                           |       |       |       |        |       |       |       | 170-175 |             |         |            |
| 180 |                           |       |       |       |        |       |       |       | 175-180 |             |         |            |
| DEG | LUMINOUS INTENSITY:cd/klm |       |       |       |        |       |       |       |         | UNIT:lm/klm |         |            |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:22DEG  
Operators:ROMAN  
Test Date:2019-03-21

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

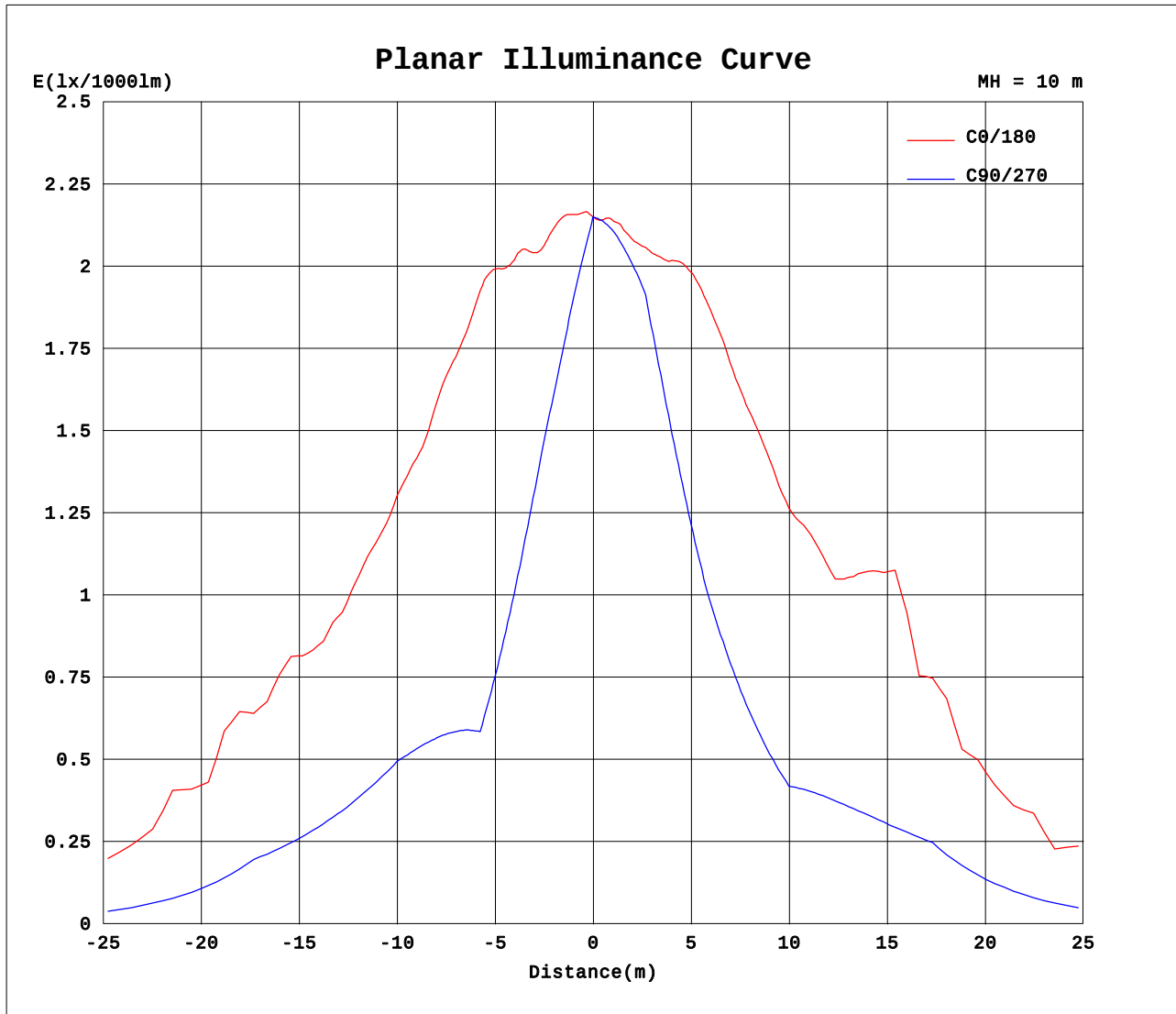
|                                                                   |             |                   |
|-------------------------------------------------------------------|-------------|-------------------|
| Test:U:221.5V I:0.1300A P:28.20W PF:0.9740 Lamp Flux:4372.96x1 lm |             |                   |
| NAME: LEAF RANGE                                                  | TYPE:30W    | WEIGHT:1.5        |
| DIM.:                                                             | SPEC.:4000K | SERIAL No.:       |
| MFR.: LED MARKET SRL                                              | SUR.:       | PROTECTION ANGLE: |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:22DEG  
Operators:ROMAN  
Test Date:2019-03-21

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 22DEG  
Operators: ROMAN  
Test Date: 2019-03-21

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 8.000m [K=1.0000]  
Remarks:







