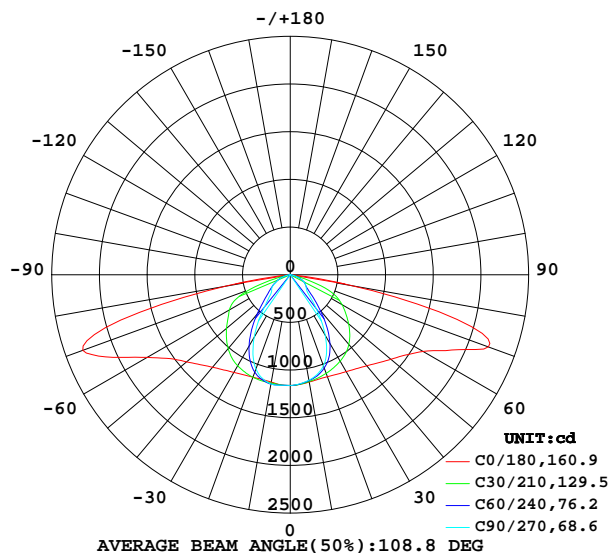
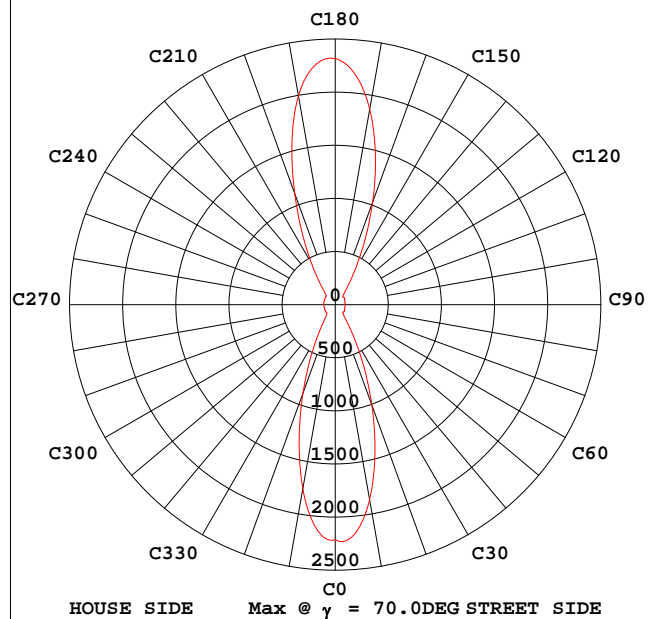


STREETLIGHT PHOTOMETRIC TEST REPORT

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

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 130.00 lm/W | | | |
|--------------------------------|-------|-----------------------------------|----------|-----------------------|---------|
| MODEL:ZGSM-LD27LMX 1M SYMMETRY | | Imax(cd) | 2316 | η street_up(%) | 0.0 |
| NOMINAL POWER(W) | 27 | LOR(%) | 100.0 | η street_down(%) | 49.1 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 3510 | η house_up(%) | 0.0 |
| NOMINAL FLUX(lm) | 3510 | MAXIMUM @ (C, γ) | 180,70.0 | η house_down(%) | 50.9 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | 76 FLASHAREA(m2) | 0.05000 |
| TEST VOLTAGE(V) | 220.1 | η down(%) | 100.0 | SLI | 23.203 |

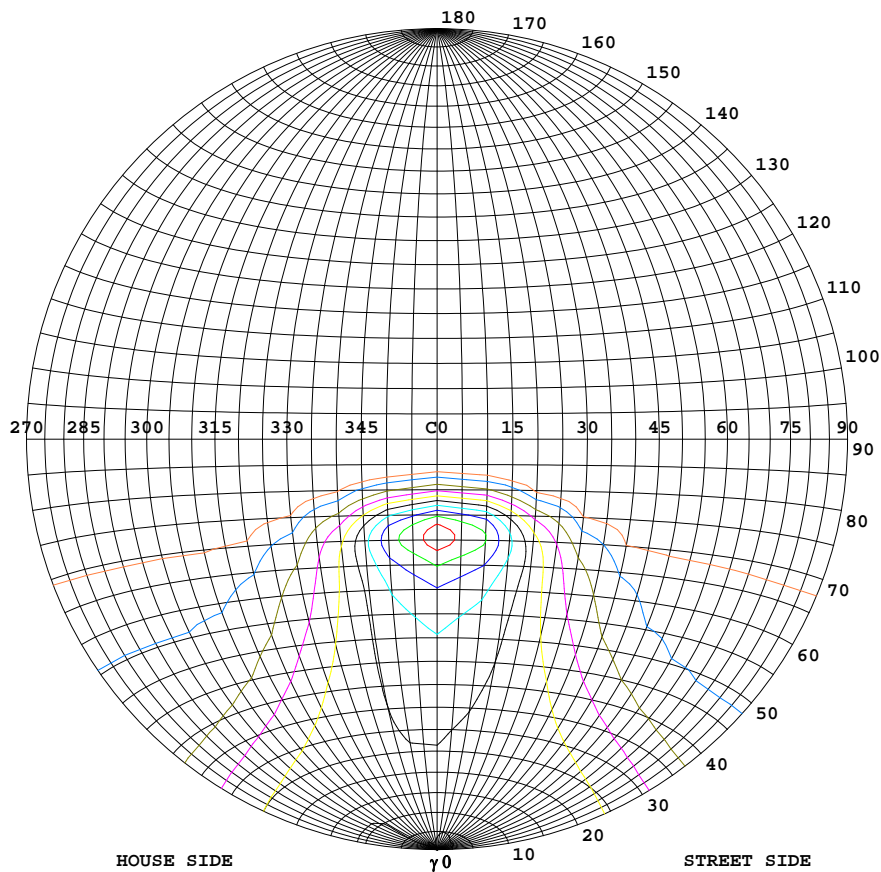
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.11.16

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:

STREETLIGHT ISOCANDELA DIAGRAM

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



Classification:

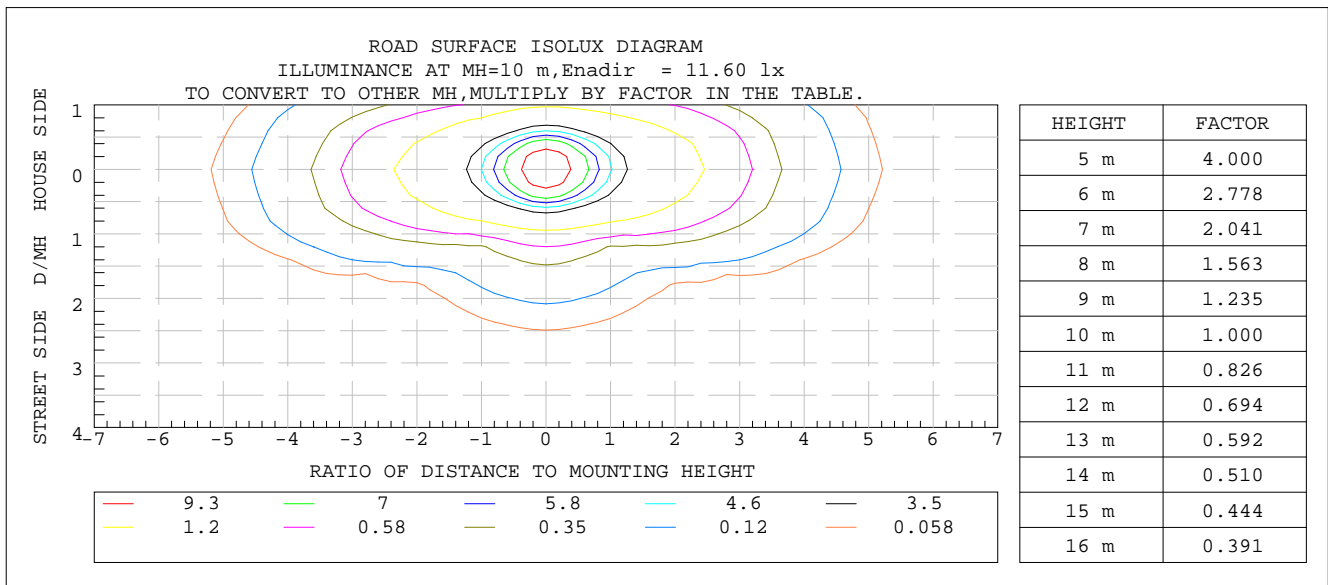
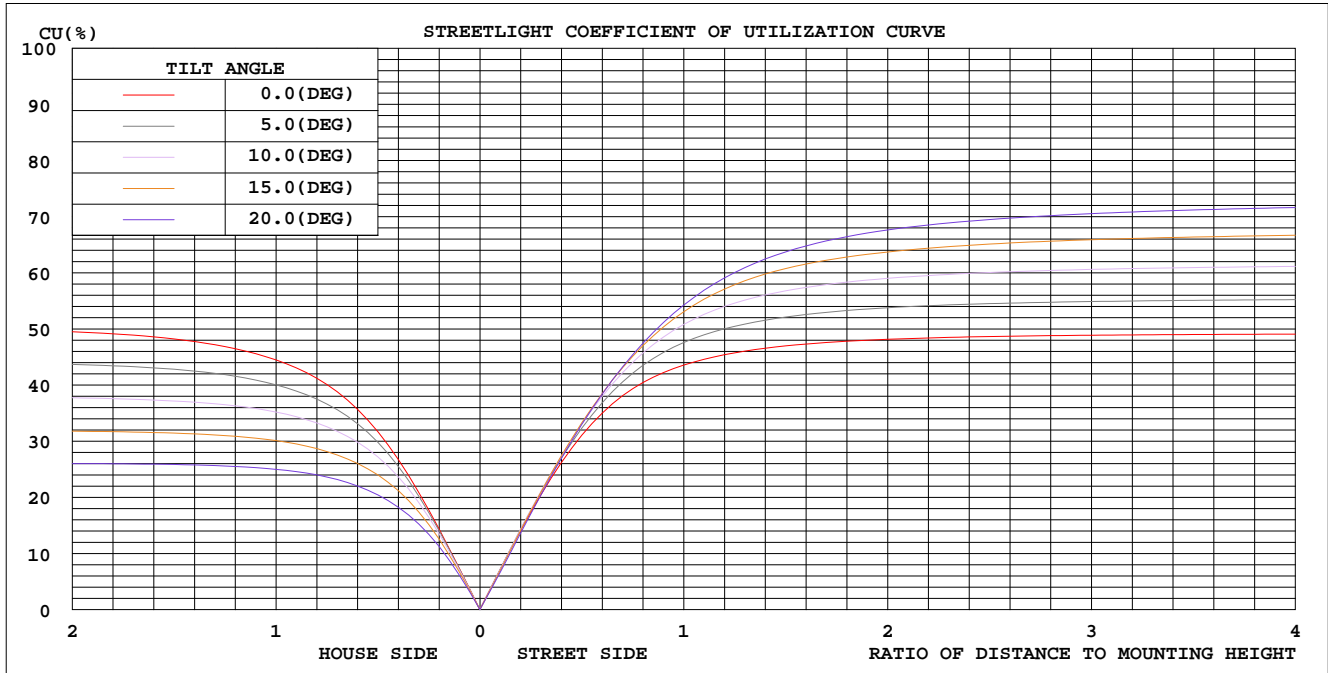
IES:Type I - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:194.2cd/klm
 Max.At90:1.040cd/klm
 Max.80-90:194.2cd/klm

| ISOCANDELA DIAGRAM | |
|--------------------|------|
| UNIT | cd |
| Imax=100% | 2316 |
| 90% | 2084 |
| 80% | 1853 |
| 70% | 1621 |
| 60% | 1390 |
| 50% | 1158 |
| 40% | 926 |
| 30% | 695 |
| 20% | 463 |
| 10% | 232 |
| 5% | 116 |

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2017.11.16

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: 2017.11.16

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:

ZONAL FLUX DIAGRAM

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

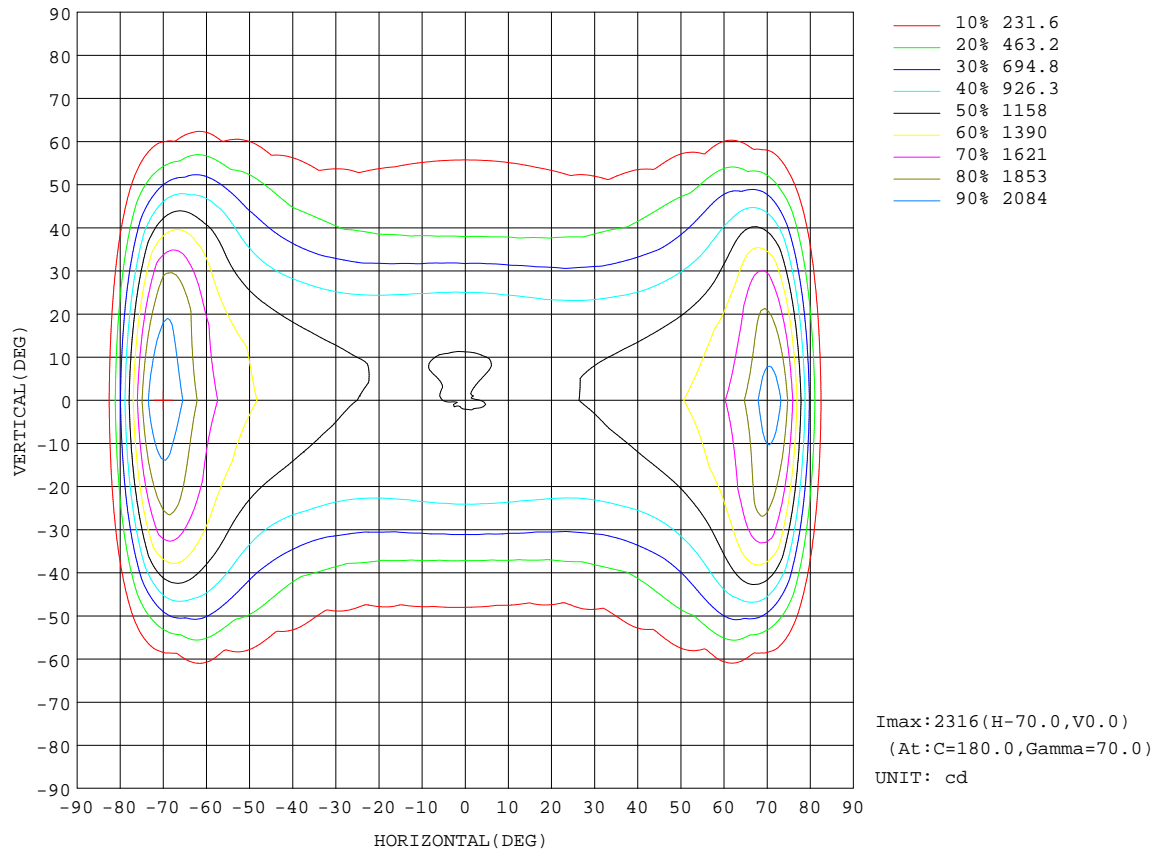
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | Φ lum,lamp |
|----------|-----------------------|--------|--------|--------|-------|--------|--------|--------|----------|-------------|--------------|-----------------|
| 10 | 1143 | 1133 | 1124 | 1133 | 1144 | 1160 | 1164 | 1155 | 0- 10 | 110.0 | 110.0 | 3.13,3.13 |
| 20 | 1139 | 1072 | 1017 | 1069 | 1144 | 1117 | 1053 | 1105 | 10- 20 | 317.1 | 427.1 | 12.2,12.2 |
| 30 | 1173 | 939.3 | 735.7 | 937.4 | 1184 | 981.6 | 756.9 | 953.8 | 20- 30 | 475.3 | 902.3 | 25.7,25.7 |
| 40 | 1247 | 695.6 | 369.2 | 705.8 | 1266 | 748.0 | 394.9 | 699.0 | 30- 40 | 540.2 | 1442 | 41.1,41.1 |
| 50 | 1379 | 426.8 | 221.1 | 443.3 | 1421 | 502.3 | 255.9 | 441.5 | 40- 50 | 534.1 | 1977 | 56.3,56.3 |
| 60 | 1609 | 246.5 | 176.1 | 254.3 | 1734 | 319.8 | 192.8 | 264.5 | 50- 60 | 542.7 | 2519 | 71.8,71.8 |
| 70 | 2211 | 111.8 | 93.25 | 113.7 | 2316 | 138.7 | 108.6 | 120.1 | 60- 70 | 573.2 | 3092 | 88.1,88.1 |
| 80 | 648.0 | 26.03 | 23.03 | 27.39 | 681.6 | 34.08 | 31.01 | 31.89 | 70- 80 | 387.1 | 3480 | 99.1,99.1 |
| 90 | 3.604 | 0.9131 | 0.3678 | 0.6126 | 3.627 | 0.8163 | 0.3893 | 0.9804 | 80- 90 | 30.41 | 3510 | 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:2017.11.16

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:

ISOCANDELA DIAGRAM

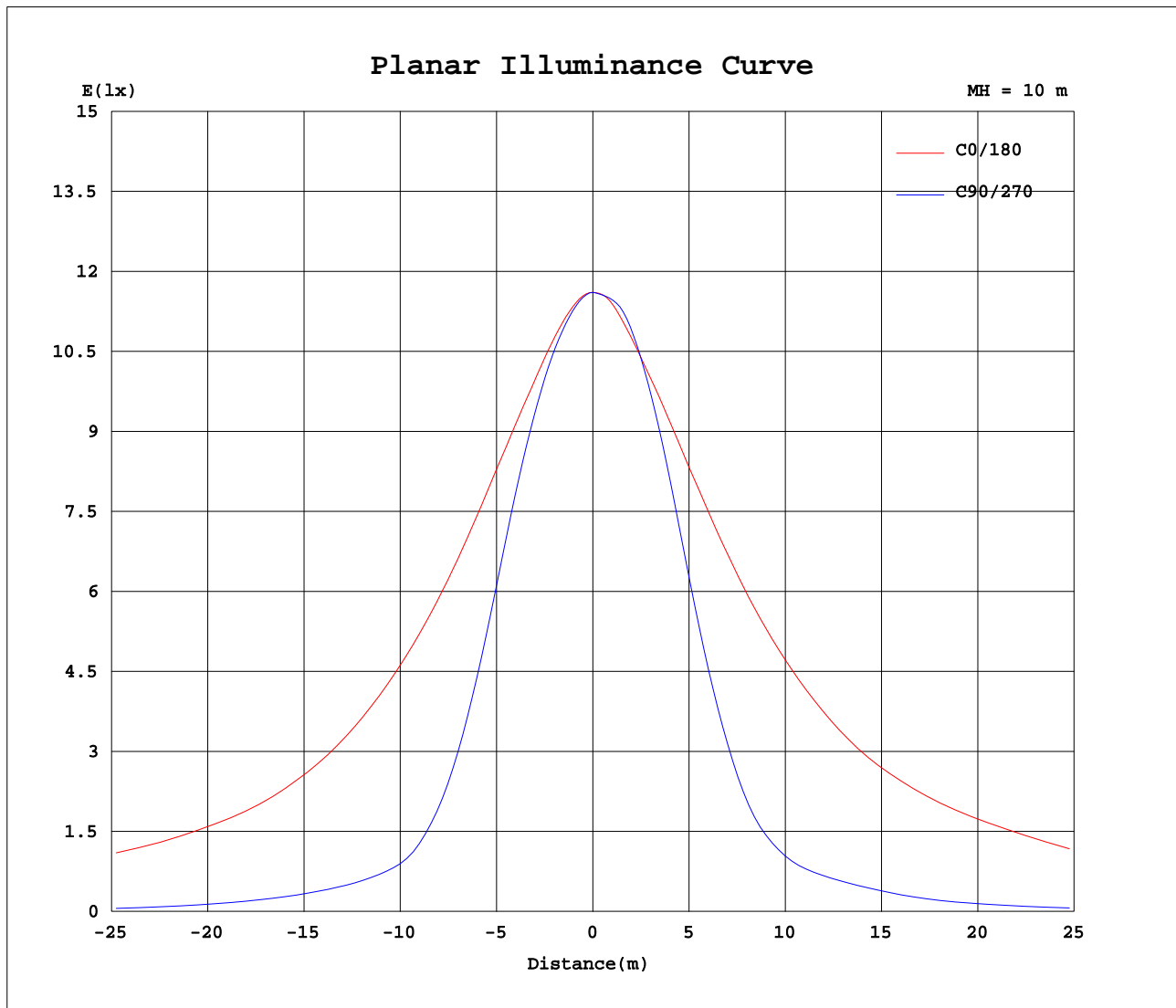
| | | |
|--------|----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:21cm*16cm | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.11.16

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:

Planar Illuminance Curve



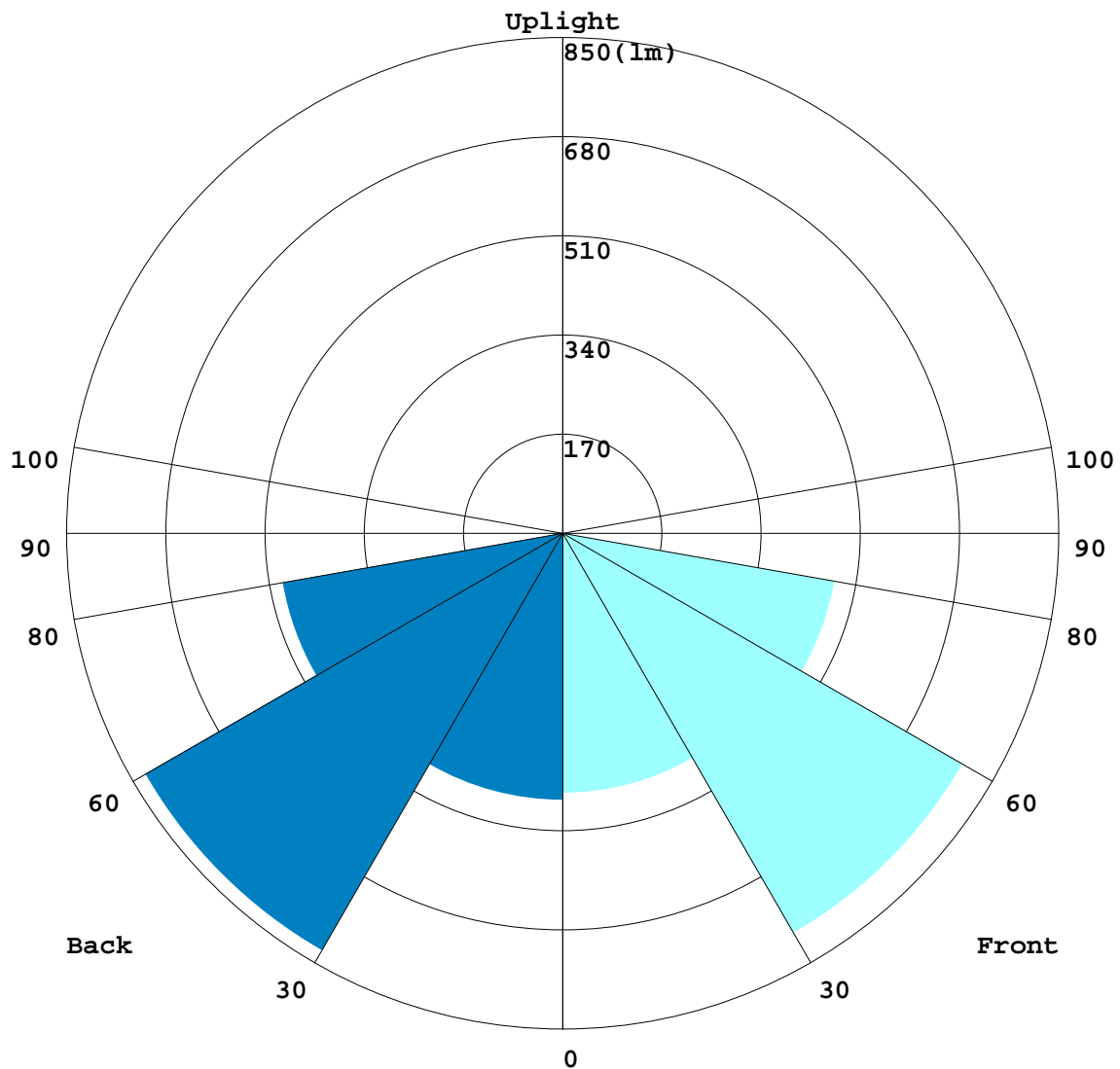
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2017.11.16

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:

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:2017.11.16

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:

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) | 445.22 | 12.7 |
| FM - Front-Medium(30-60) | 791.21 | 22.5 |
| FH - Front-High(60-80) | 473.04 | 13.5 |
| FVH - Front-Very High(80-90) | 14.34 | 0.4 |
| Total Forward Light | 1723.8 | 49.1 |

| | | |
|-----------------------------|--------|------|
| BL - Back-Low(0-30) | 457.13 | 13.0 |
| BM - Back-Medium(30-60) | 825.72 | 23.5 |
| BH - Back-High(60-80) | 487.27 | 13.9 |
| BVH - Back-Very High(80-90) | 16.075 | 0.5 |
| Total Back Light | 1786.2 | 50.9 |

| | | |
|----------------------------|---|-----|
| 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 | B1-U0-G1 |
|---------------------------|----------|

| Zone | Downward Lumens | Upward Lumens | Total Lumens |
|-------------|--------------------|------------------|-----------------|
| House Side | 1786.2 | 0 | 1786.2 |
| Street Side | 1723.8 | 0 | 1723.8 |

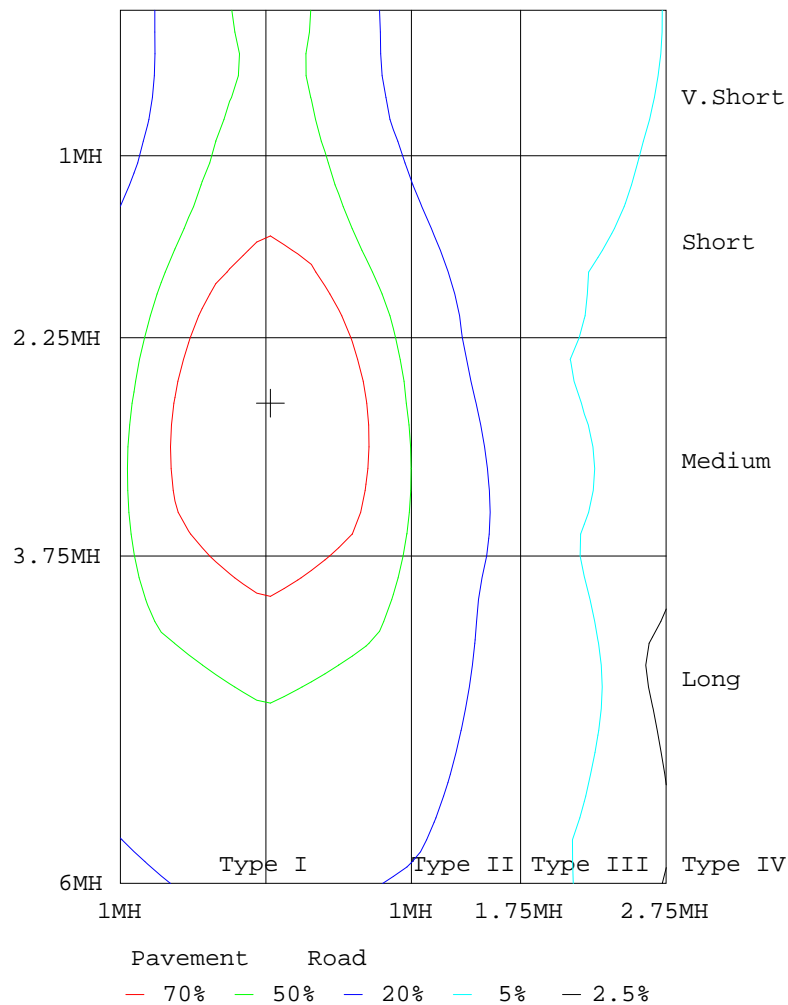
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2017.11.16

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:2017.11.16

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:

