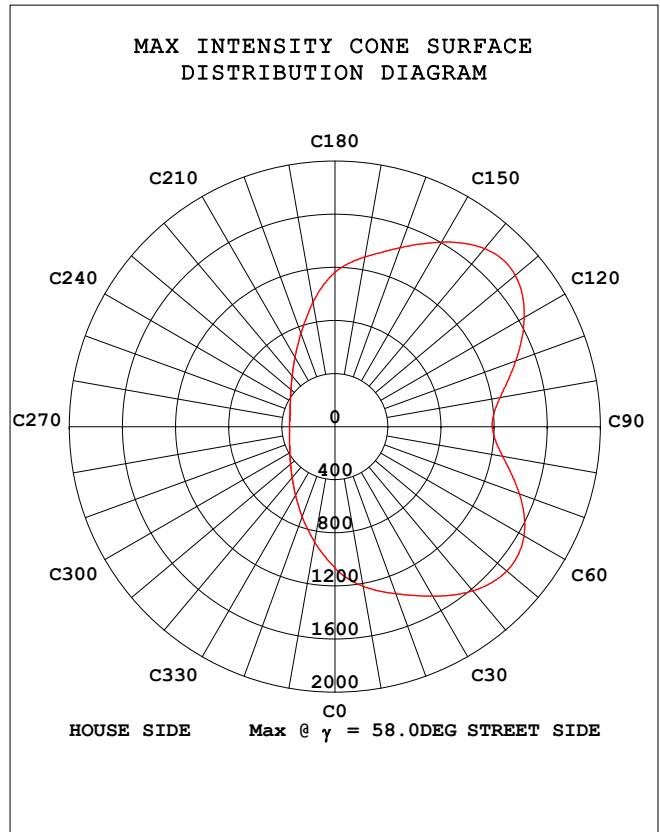
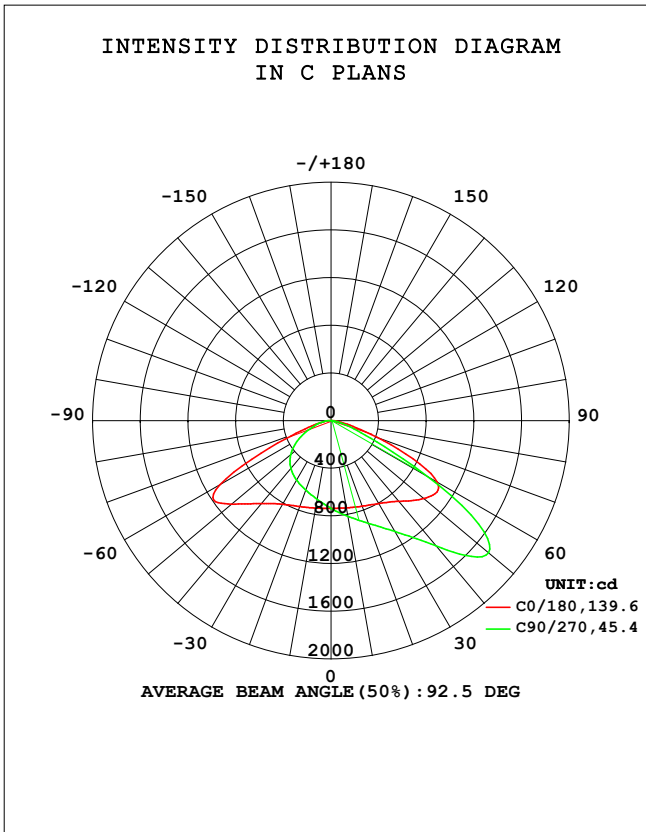


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

| | | |
|--|------------------|------------------|
| Test:U:230.1V I:0.1414A P:31.00W PF:0.9532 Lamp Flux:3632.1x1 lm | | |
| NAME: UWP05-030-3070-U04201 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.184*0.057 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 117.16 lm/W | | | |
|-------------------|--------|-----------------------------------|----------|------------------------|------|
| MODEL | | Imax (cd) | 1785 | η street_up (%) | 0.0 |
| NOMINAL POWER (W) | 30 | LOR (%) | 100.0 | η street_down (%) | 64.1 |
| RATED VOLTAGE (V) | 230 | TOTAL FLUX (lm) | 3632 | η house_up (%) | 0.0 |
| NOMINAL FLUX (lm) | 3632.1 | MAXIMUM @ (C, γ) | 135,58.0 | η house_down (%) | 35.9 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | 76 FLASHAREA (m2) | |
| TEST VOLTAGE (V) | 230 | η down (%) | 100.0 | SLI | |



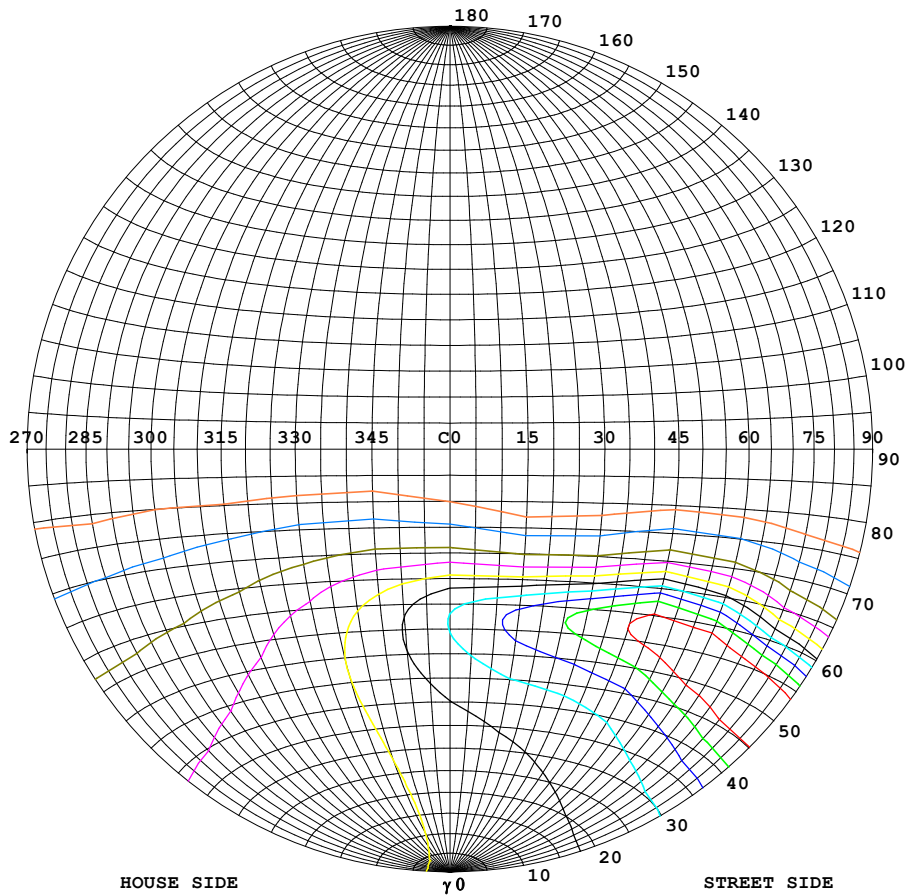
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: WJH
 Test Date: 2020-01-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.432m [K=1.0000]
 Remarks:

Checker: LI
 Note: SLI: Specific Luminaire Index

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type III - Short
 CIE:Average - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:32.38cd/klm
 Max.At90:3.262cd/klm
 Max.80-90:32.38cd/klm

| ISOCANDELA DIAGRAM | |
|--------------------|------|
| UNIT | cd |
| Imax=100% | 1785 |
| 90% | 1606 |
| 80% | 1428 |
| 70% | 1249 |
| 60% | 1071 |
| 50% | 892 |
| 40% | 714 |
| 30% | 535 |
| 20% | 357 |
| 10% | 178 |
| 5% | 89 |

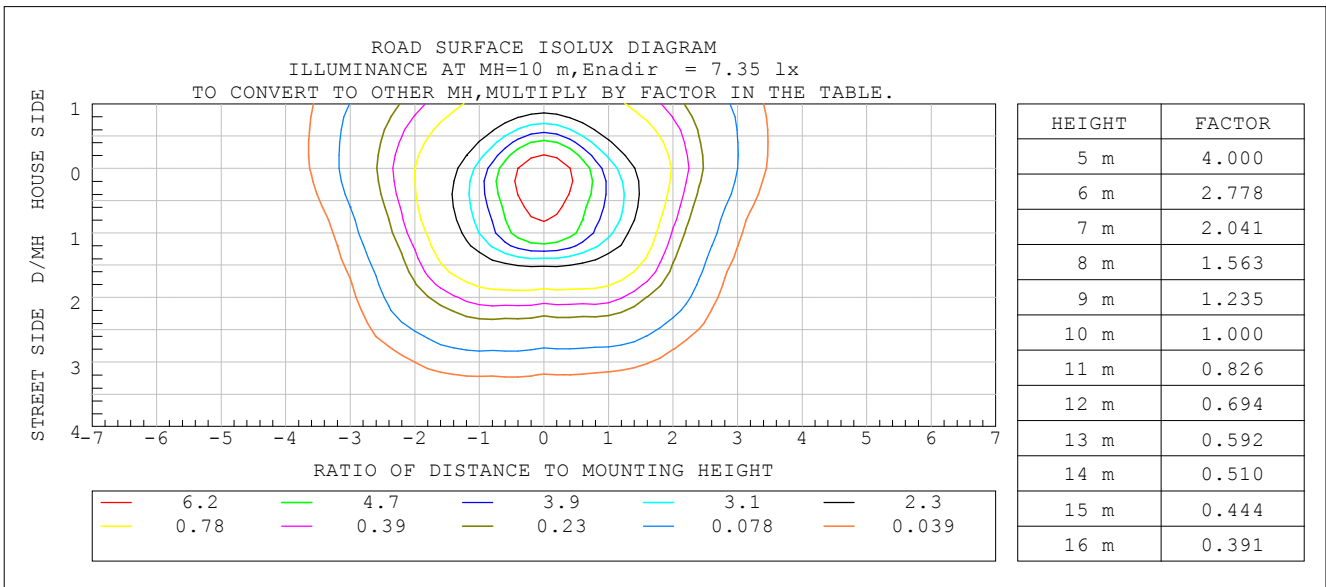
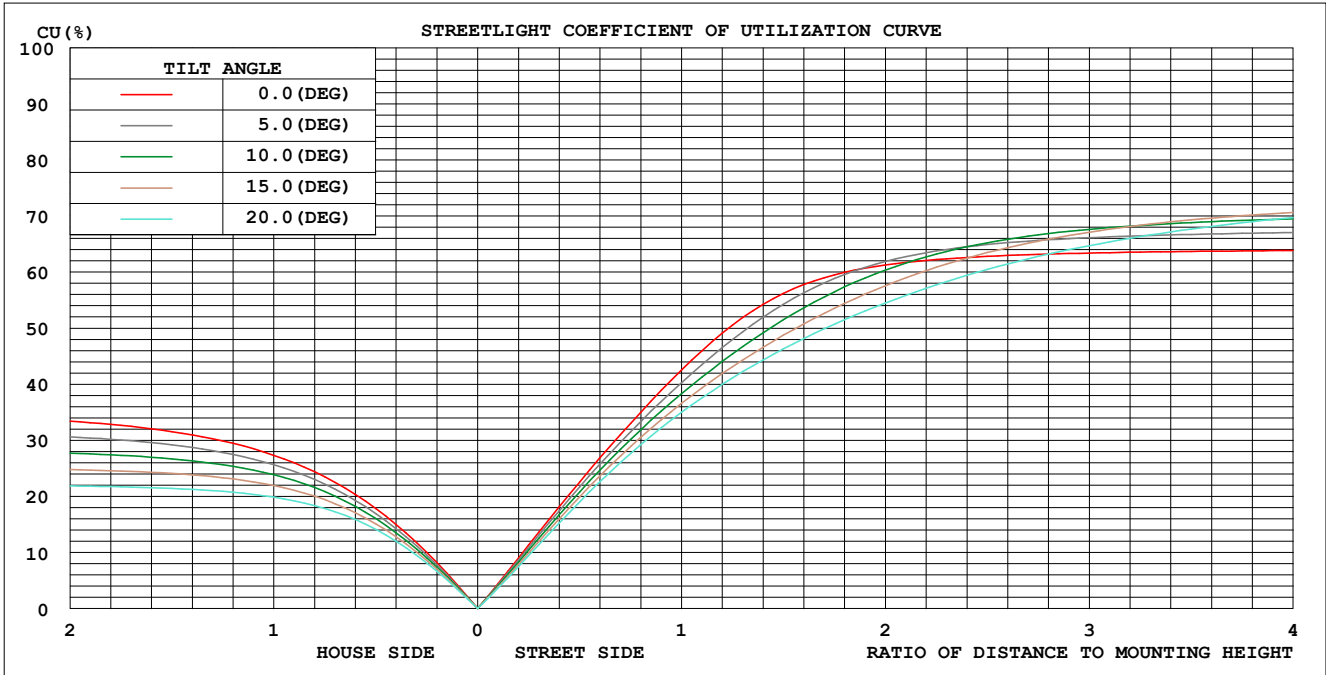
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WJH
 Test Date:2020-01-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.432m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: WJH
Test Date: 2020-01-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.432m [K=1.0000]
Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10 | 743.6 | 793.2 | 815.3 | 794.3 | 745.2 | 692.5 | 671.5 | 692.6 | 0- 10 | 70.64 | 70.64 | 1.94,1.94 |
| 20 | 764.9 | 862.6 | 917.4 | 859.6 | 768.2 | 657.9 | 622.1 | 660.2 | 10- 20 | 213.7 | 284.3 | 7.83,7.83 |
| 30 | 803.9 | 947.0 | 1075 | 939.6 | 810.9 | 629.2 | 577.7 | 634.8 | 20- 30 | 362.2 | 646.5 | 17.8,17.8 |
| 40 | 884.2 | 1086 | 1373 | 1097 | 908.3 | 601.9 | 525.1 | 606.3 | 30- 40 | 527.9 | 1174 | 32.3,32.3 |
| 50 | 1018 | 1414 | 1726 | 1475 | 1091 | 554.8 | 441.4 | 554.3 | 40- 50 | 747.7 | 1922 | 52.9,52.9 |
| 60 | 1026 | 1616 | 925.3 | 1707 | 1076 | 432.5 | 315.6 | 436.6 | 50- 60 | 930.6 | 2853 | 78.5,78.5 |
| 70 | 413.6 | 508.8 | 206.6 | 368.0 | 313.8 | 235.9 | 169.4 | 249.5 | 60- 70 | 578.4 | 3431 | 94.5,94.5 |
| 80 | 86.89 | 74.90 | 39.65 | 56.36 | 71.70 | 83.90 | 79.79 | 91.99 | 70- 80 | 168.6 | 3600 | 99.1,99.1 |
| 90 | 3.335 | 2.027 | 1.555 | 2.085 | 3.478 | 9.811 | 11.33 | 11.51 | 80- 90 | 32.43 | 3632 | 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: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WJH
 Test Date:2020-01-10

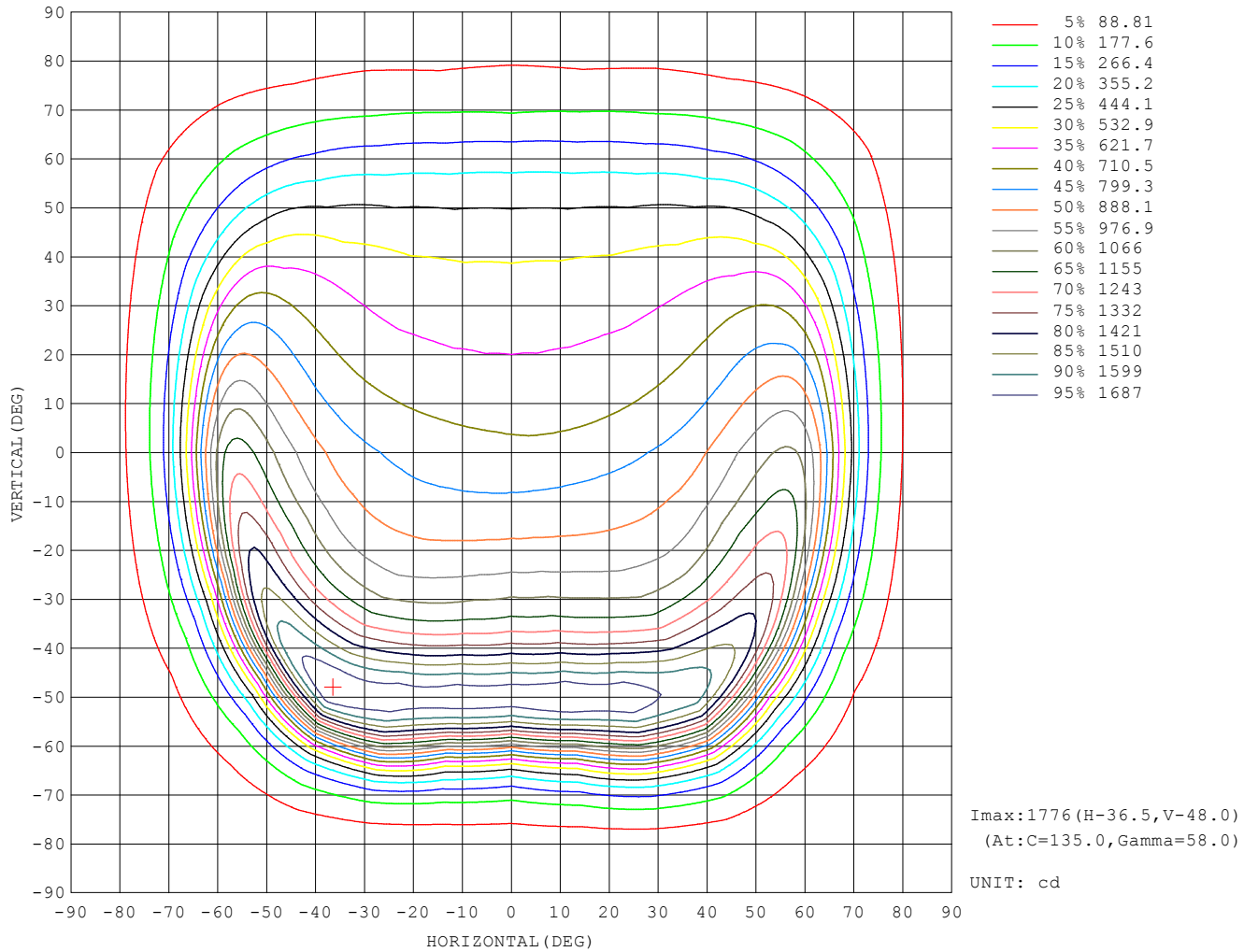
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.432m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM



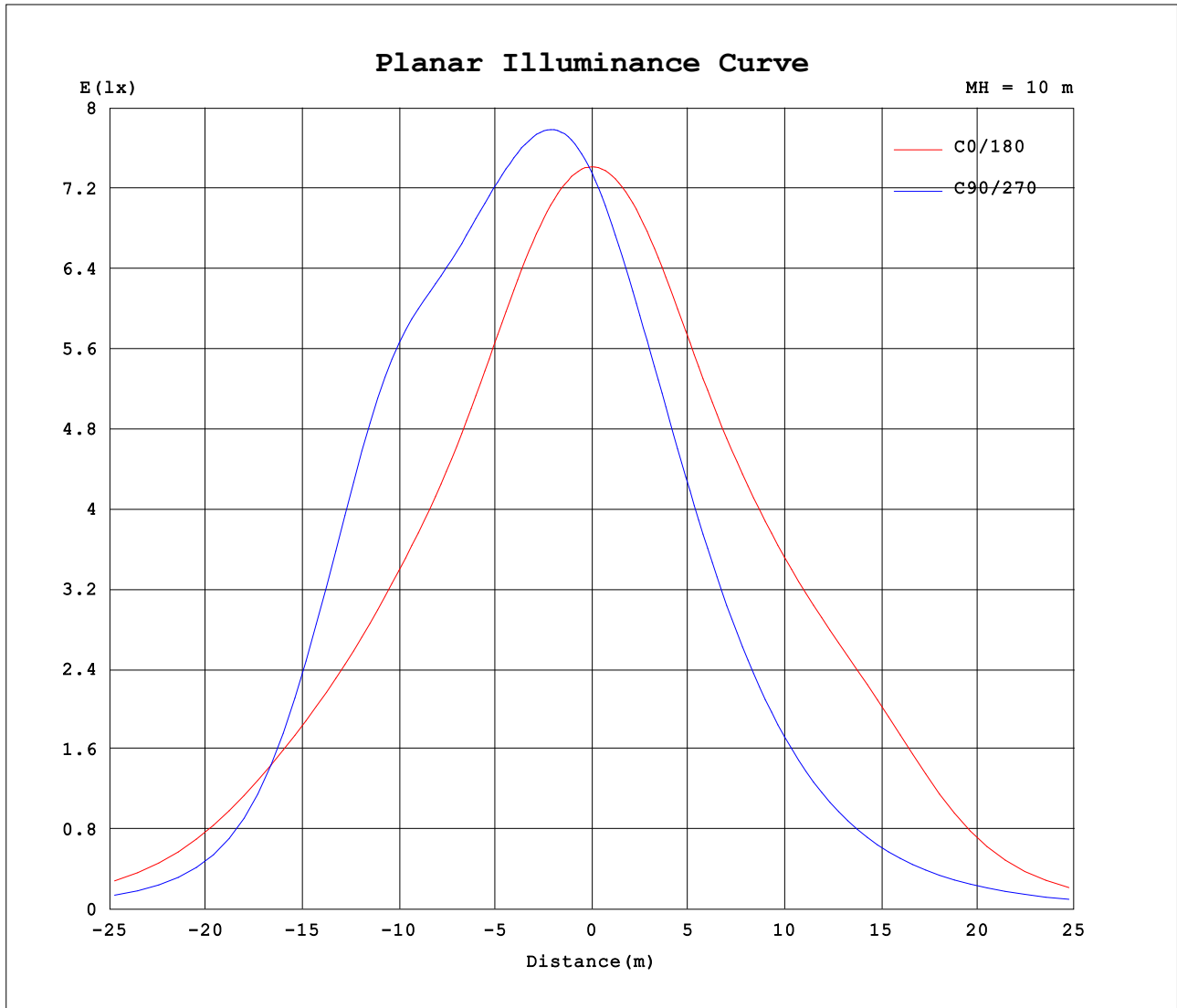
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WJH
Test Date:2020-01-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Checker: LI

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: WJH
 Test Date: 2020-01-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.432m [K=1.0000]
 Remarks:

Checker: LI

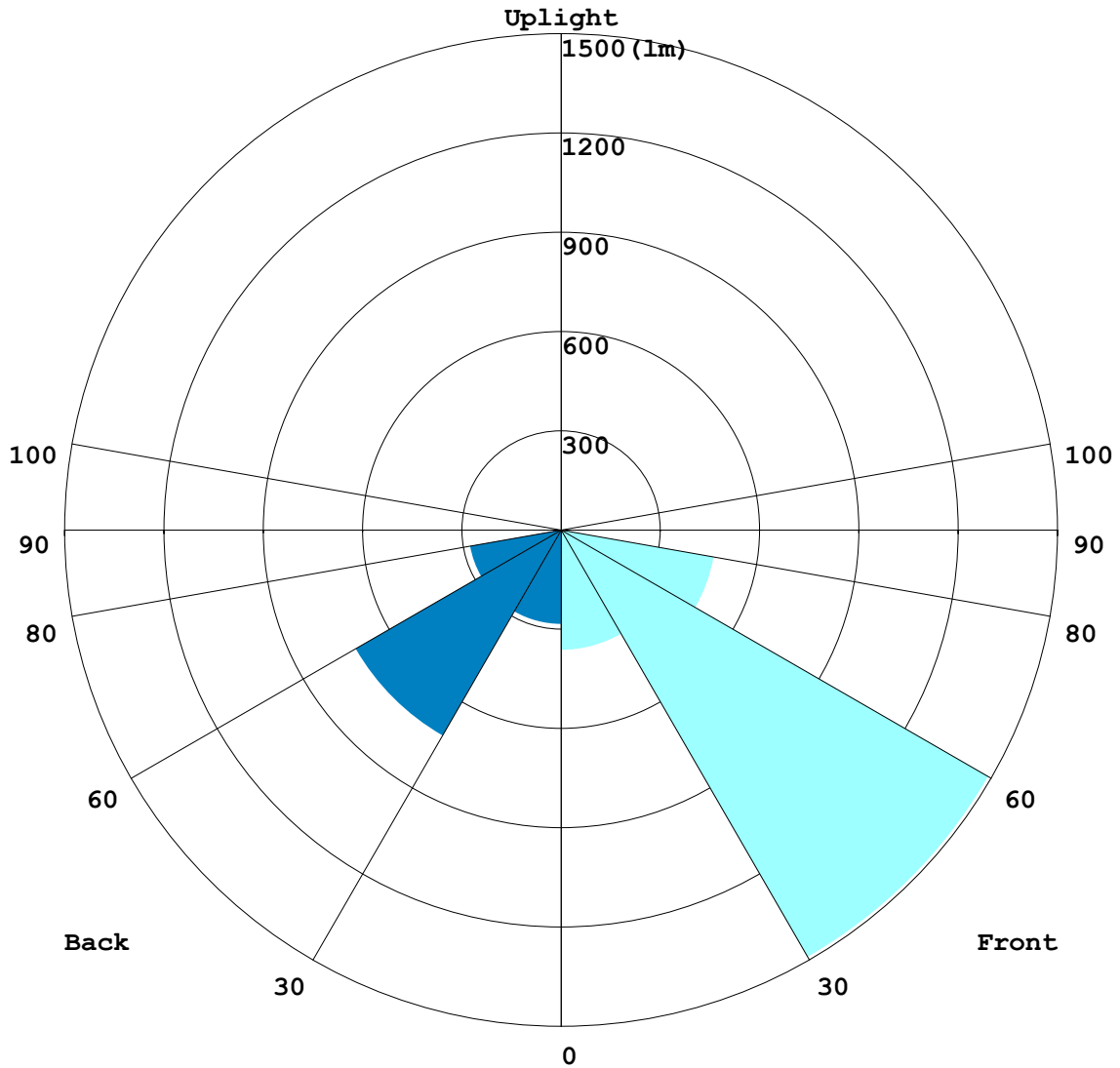
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

| | | |
|--|------------------|------------------|
| Test:U:230.1V I:0.1414A P:31.00W PF:0.9532 Lamp Flux:3632.1x1 lm | | |
| NAME: UWP05-030-3070-U04201 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.184*0.057 | Shielding Angle: |

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WJH
 Test Date:2020-01-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.432m [K=1.0000]
 Remarks:

Checker: LI

Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

| | | |
|--|------------------|------------------|
| Test:U:230.1V I:0.1414A P:31.00W PF:0.9532 Lamp Flux:3632.1x1 lm | | |
| NAME: UWP05-030-3070-U04201 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.184*0.057 | Shielding Angle: |

IESNA Luminaire Flux Distribution Table:

| Zone | Lumens | Luminaire % |
|------------------------------|---------------|-------------|
| FL - Front-Low(0-30) | 362.42 | 10.0 |
| FM - Front-Medium(30-60) | 1489.6 | 41.0 |
| FH - Front-High(60-80) | 467.72 | 12.9 |
| FVH - Front-Very High(80-90) | 8.9007 | 0.2 |
| Total Forward Light | 2328.6 | 64.1 |

| | | |
|-----------------------------|---------------|-------------|
| BL - Back-Low(0-30) | 284.07 | 7.8 |
| BM - Back-Medium(30-60) | 716.65 | 19.7 |
| BH - Back-High(60-80) | 279.25 | 7.7 |
| BVH - Back-Very High(80-90) | 23.525 | 0.6 |
| Total Back Light | 1303.5 | 35.9 |

| | | |
|----------------------------|----------|------------|
| 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 | 1303.5 | 0 | 1303.5 |
| Street Side | 2328.6 | 0 | 2328.6 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WJH
 Test Date:2020-01-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.432m [K=1.0000]
 Remarks:

Checker: LI

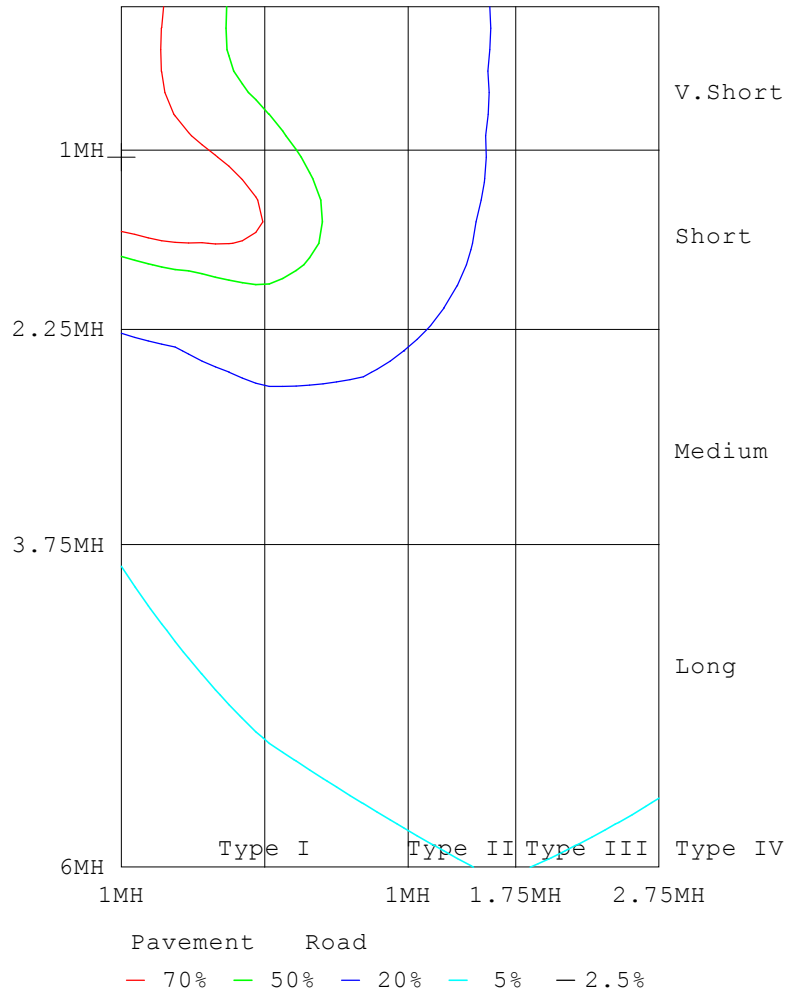
Assessor:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

| | | |
|--|------------------|------------------|
| Test:U:230.1V I:0.1414A P:31.00W PF:0.9532 Lamp Flux:3632.1x1 lm | | |
| NAME: UWP05-030-3070-U04201 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.184*0.057 | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WJH
 Test Date:2020-01-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.432m [K=1.0000]
 Remarks:

Checker: LI

Assessor: