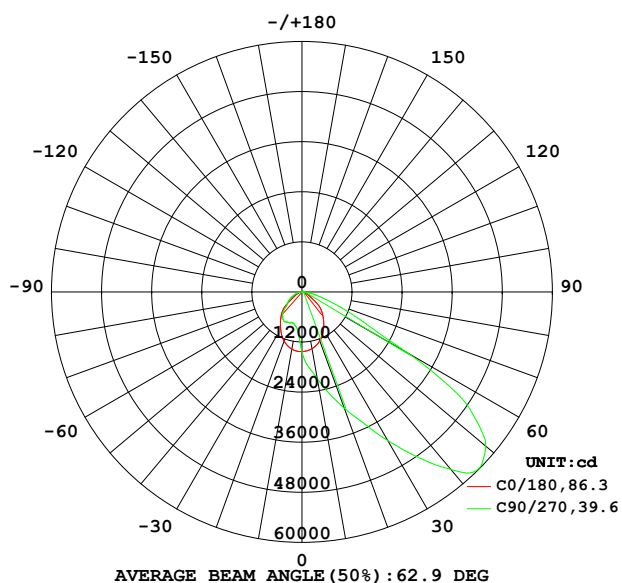
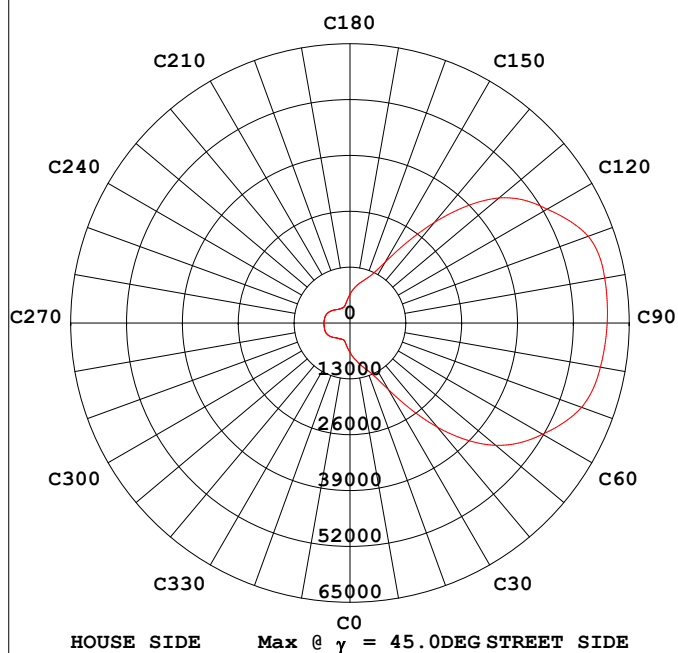


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

| | | |
|--|-------|------------------|
| Test:U:230.0V I:1.787A P:400.0W PF:0.973 Freq:50.00Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:58807.8x1 lm | | |
| NAME: SP04-400-5770-F04001Z | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

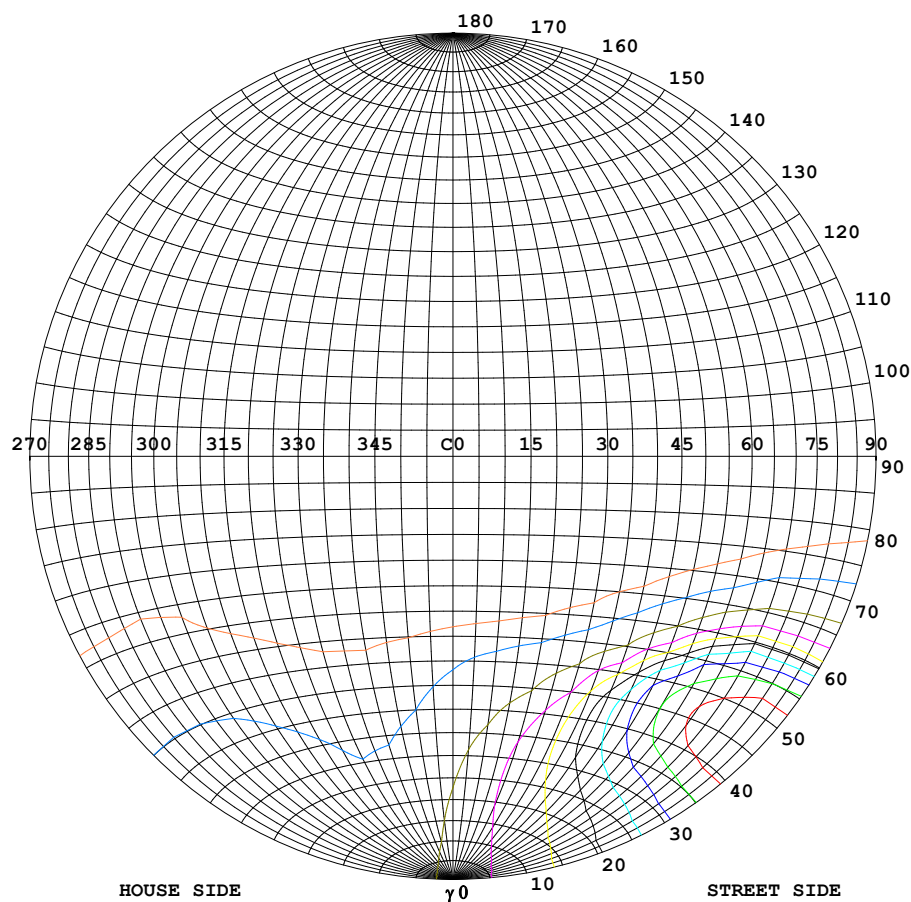
| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 147.02 lm/W | | | |
|-------------------|---------|-----------------------------------|----------|-------------------|------|
| MODEL | / | I _{max} (cd) | 60192 | η street_up (%) | 0.0 |
| NOMINAL POWER (W) | / | LOR (%) | 100.0 | η street_down (%) | 81.8 |
| RATED VOLTAGE (V) | / | TOTAL FLUX (lm) | 58808 | η house_up (%) | 0.0 |
| NOMINAL FLUX (lm) | 58807.8 | MAXIMUM @ (C, γ) | 100,45.0 | η house_down (%) | 18.2 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | 76 FLASHAREA (m2) | |
| TEST VOLTAGE (V) | / | η down (%) | 100.0 | SLI | |

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 14 January 2023

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:

STREETLIGHT ISOCANDELA DIAGRAM



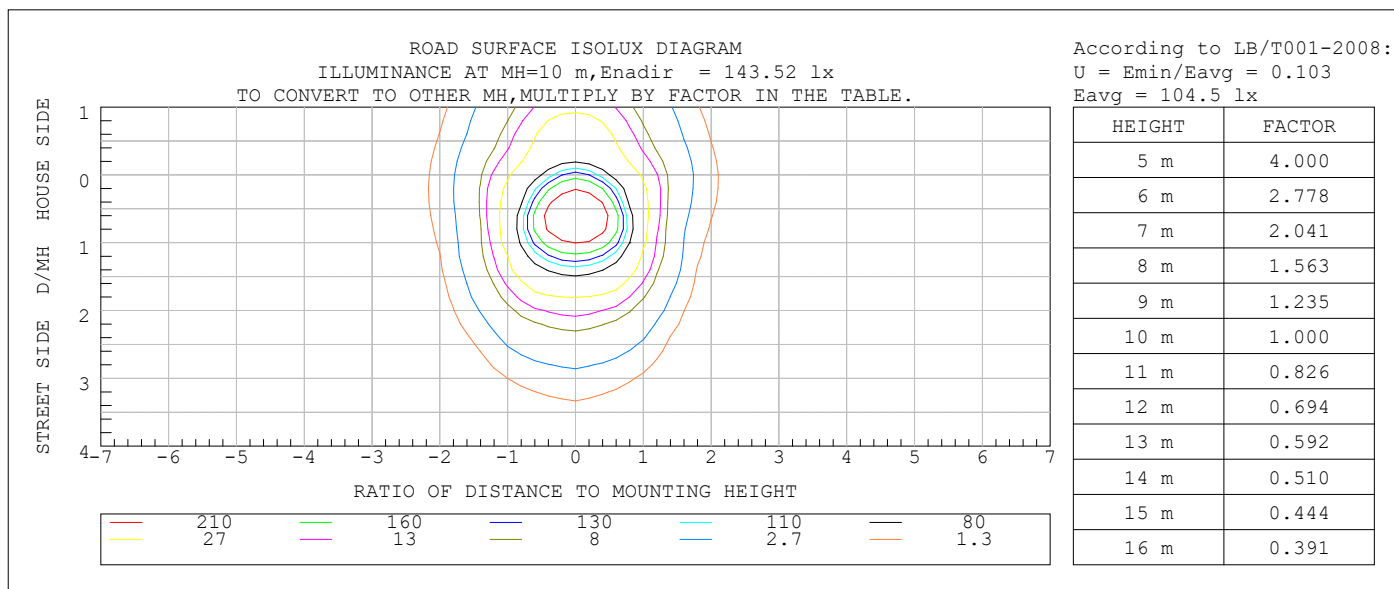
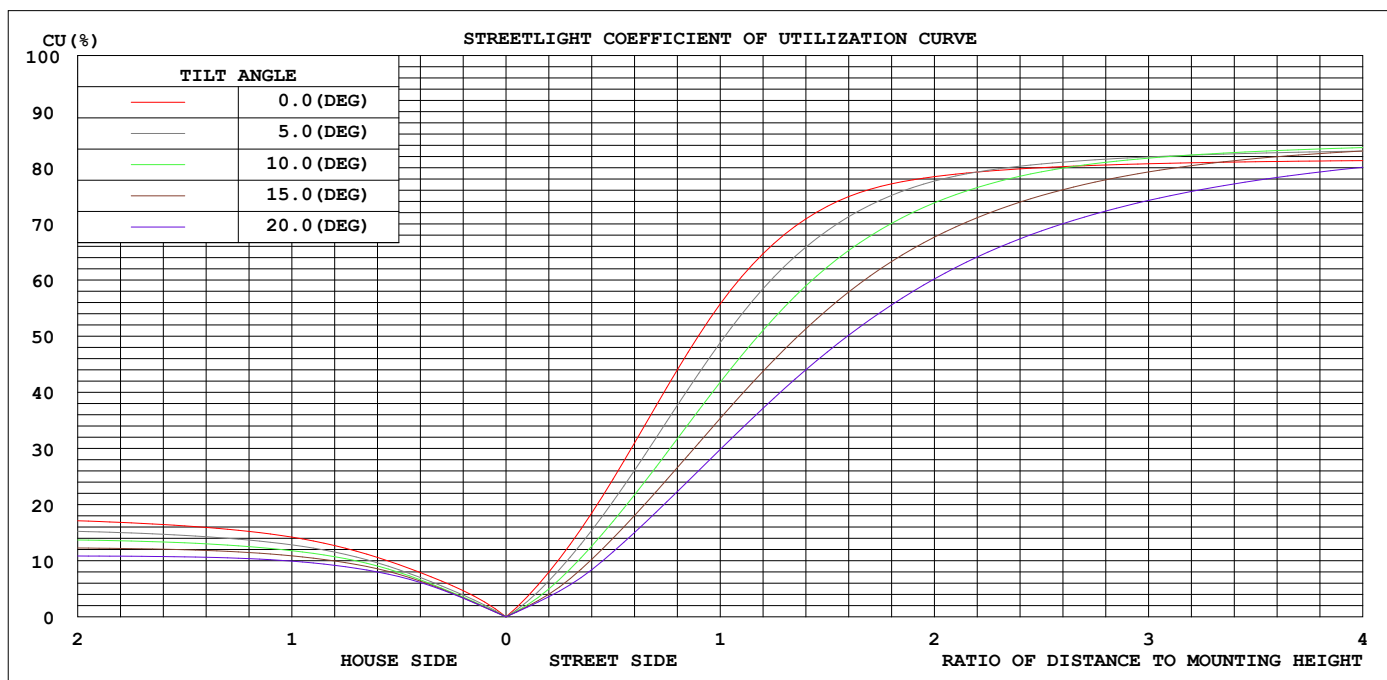
Classification:

IES:Type II - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:42.29cd/klm
Max.At90:0.1751cd/klm
Max.80-90:42.29cd/klm
NRB 5101:Limited[1.3%]

| ISOCANDELA DIAGRAM | | |
|--------------------|-------|--|
| UNIT | cd | |
| Imax=100% | 60192 | |
| 90% | 54173 | |
| 80% | 48154 | |
| 70% | 42134 | |
| 60% | 36115 | |
| 50% | 30096 | |
| 40% | 24077 | |
| 30% | 18058 | |
| 20% | 12038 | |
| 10% | 6019 | |
| 5% | 3010 | |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:LYJ
Test Date:14 January 2023

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: 14 January 2023

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

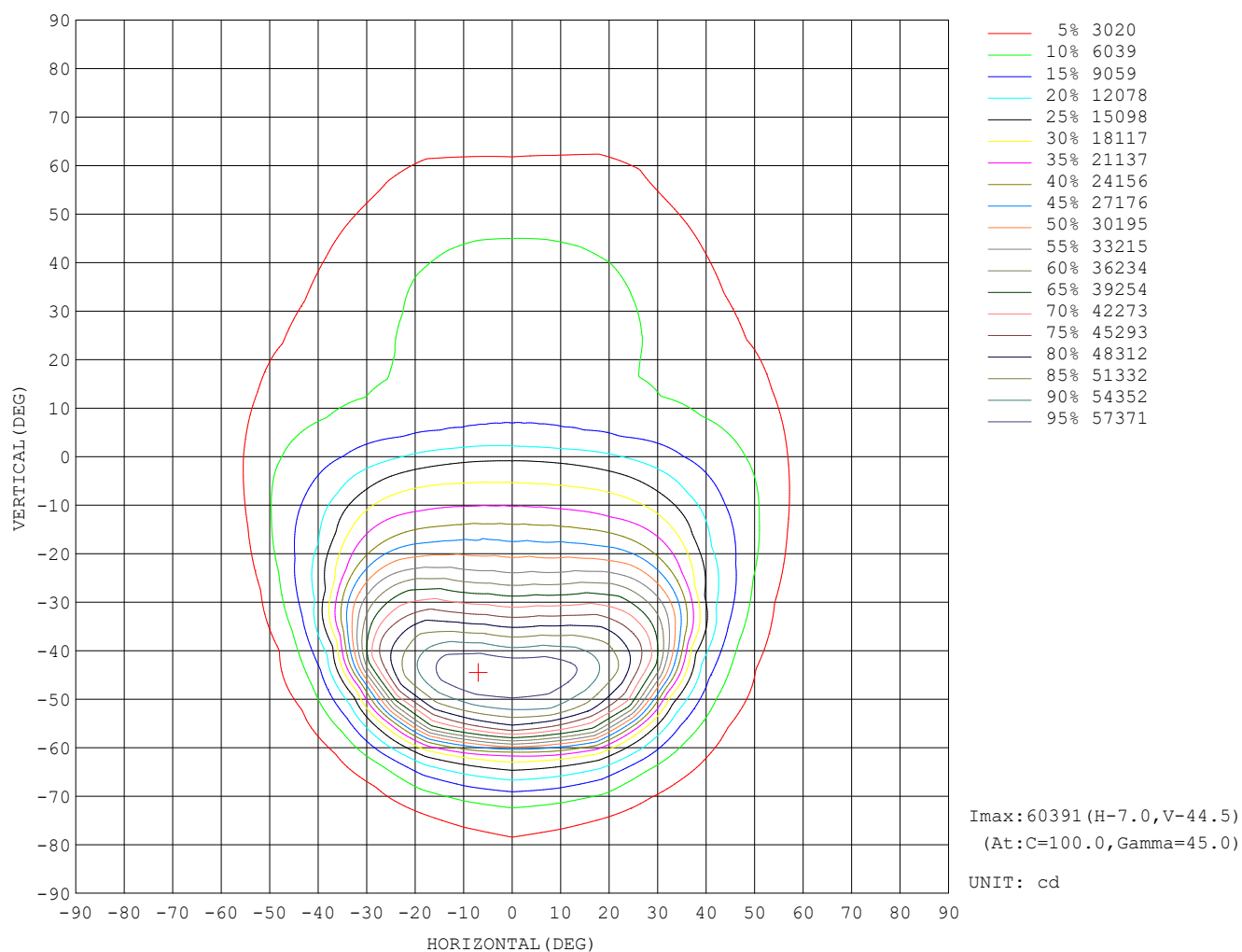
ZONAL FLUX DIAGRAM

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|--------------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 1381 | 1886 | 2107 | 1914 | 1392 | 884.9 | 840.6 | 895.0 | 0- 10 | 1341 | 1341 | 2.28,2.28 |
| 20 | 1248 | 2383 | 2960 | 2437 | 1253 | 713.9 | 785.7 | 727.5 | 10- 20 | 4214 | 5555 | 9.45,9.45 |
| 30 | 1033 | 3099 | 4110 | 3204 | 1020 | 641.8 | 826.2 | 673.6 | 20- 30 | 7845 | 13399 | 22.8,22.8 |
| 40 | 791.3 | 3775 | 5549 | 3867 | 783.4 | 534.9 | 723.5 | 582.8 | 30- 40 | 12339 | 25739 | 43.8,43.8 |
| 50 | 549.7 | 3146 | 5745 | 2934 | 517.0 | 370.7 | 469.3 | 399.1 | 40- 50 | 15309 | 41048 | 69.8,69.8 |
| 60 | 238.1 | 957.9 | 2944 | 774.7 | 213.4 | 245.6 | 326.6 | 266.7 | 50- 60 | 11604 | 52652 | 89.5,89.5 |
| 70 | 125.3 | 251.4 | 812.6 | 173.5 | 112.4 | 119.3 | 190.7 | 134.7 | 60- 70 | 4419 | 57071 | 97,97 |
| 80 | 43.30 | 70.85 | 248.7 | 47.14 | 33.38 | 33.45 | 59.85 | 39.16 | 70- 80 | 1480 | 58551 | 99.6,99.6 |
| 90 | 0.8604 | 0.9612 | 0.4353 | 0.2039 | 0.2092 | 0.3316 | 0.5946 | 0.5271 | 80- 90 | 257.0 | 58808 | 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:X10cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:LYJ
 Test Date:14 January 2023

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:

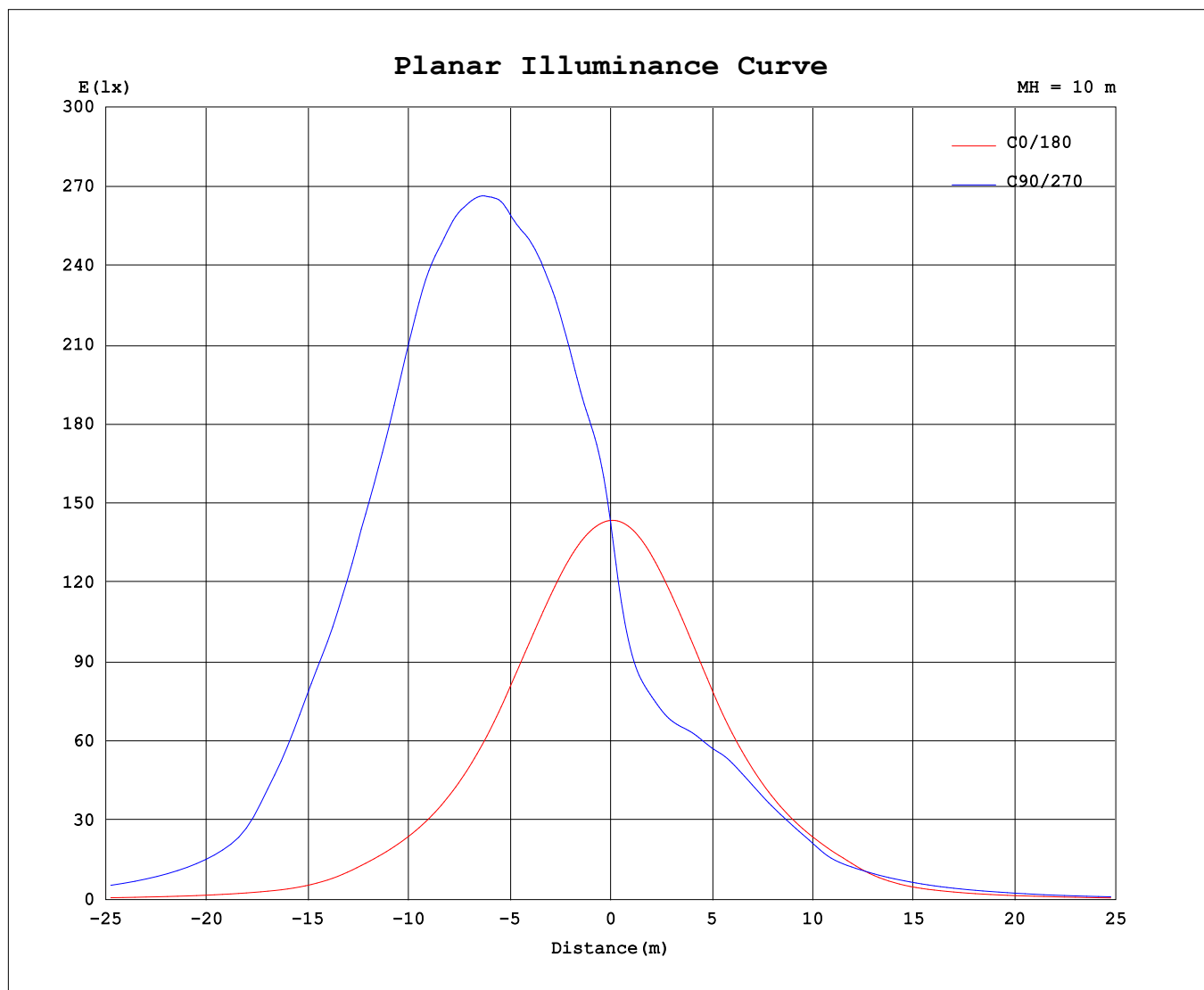
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:LYJ
Test Date:14 January 2023

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LYJ
Test Date: 14 January 2023

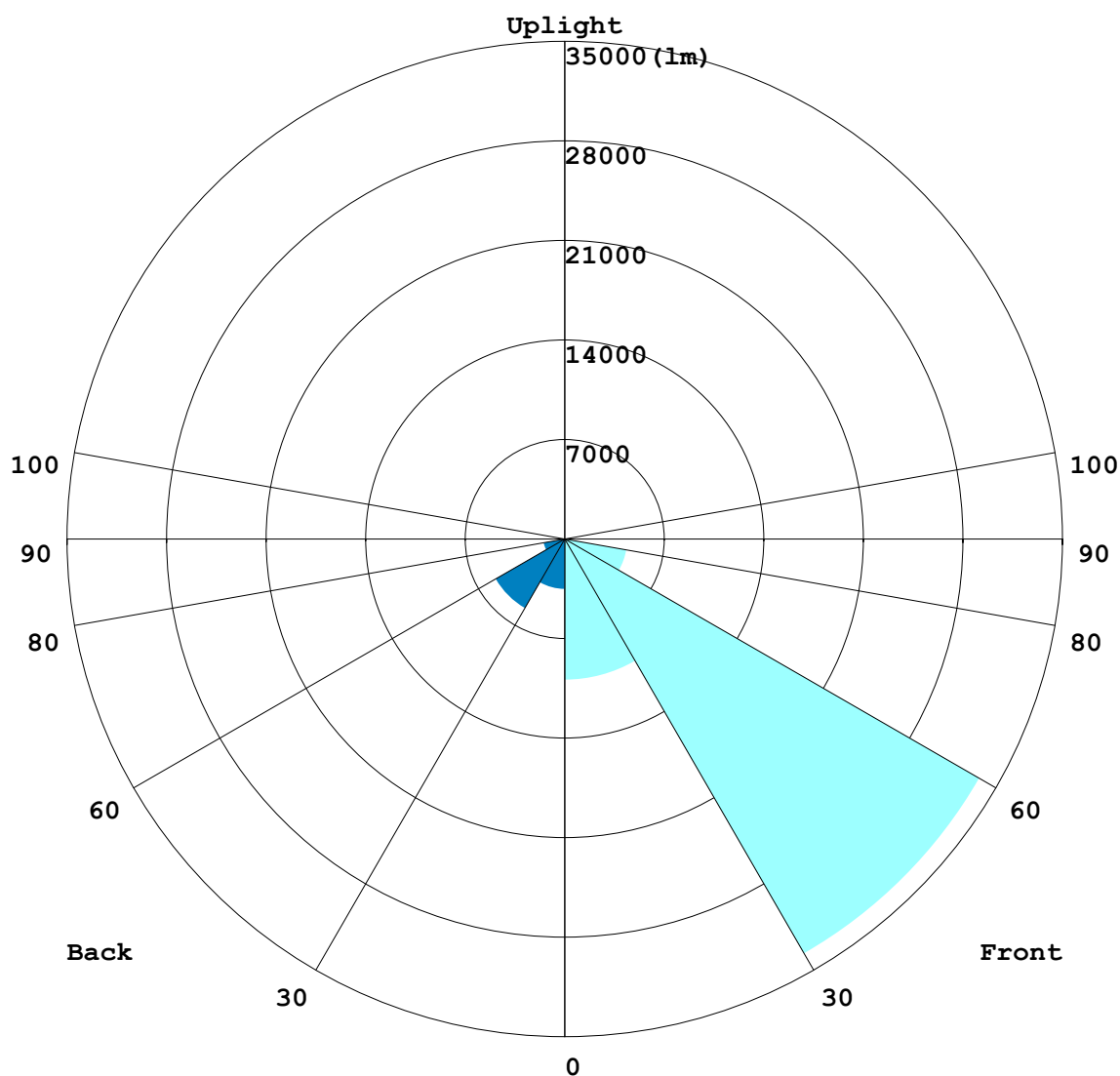
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity: 65.0%
Test Distance: 26.000m [K=0.4556]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

| | | |
|--|-------|------------------|
| Test:U:230.0V I:1.787A P:400.0W PF:0.973 Freq:50.00Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:58807.8x1 lm | | |
| NAME: SP04-400-5770-F04001Z | 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°C
Operators:LYJ
Test Date:14 January 2023

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:1.787A P:400.0W PF:0.973 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:58807.8x1 lm | | |
| NAME: SP04-400-5770-F04001Z | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

IESNA Luminaire Flux Distribution Table:

| Zone | Lumens | Luminaire % |
|------------------------------|--------|-------------|
| FL - Front-Low(0-30) | 9890.4 | 16.8 |
| FM - Front-Medium(30-60) | 33648 | 57.2 |
| FH - Front-High(60-80) | 4393.6 | 7.5 |
| FVH - Front-Very High(80-90) | 175.12 | 0.3 |
| Total Forward Light | 48107 | 81.8 |

| | | |
|-----------------------------|--------|------|
| BL - Back-Low(0-30) | 3509 | 6.0 |
| BM - Back-Medium(30-60) | 5604.2 | 9.5 |
| BH - Back-High(60-80) | 1505.4 | 2.6 |
| BVH - Back-Very High(80-90) | 81.909 | 0.1 |
| Total Back Light | 10701 | 18.2 |

| | | |
|----------------------------|---|-----|
| 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 | B4-U0-G3 |
|---------------------------|----------|

| Zone | Downward Lumens | Upward Lumens | Total Lumens |
|-------------|--------------------|------------------|-----------------|
| House Side | 10701 | 0 | 10701 |
| Street Side | 48107 | 0 | 48107 |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:LYJ
Test Date:14 January 2023

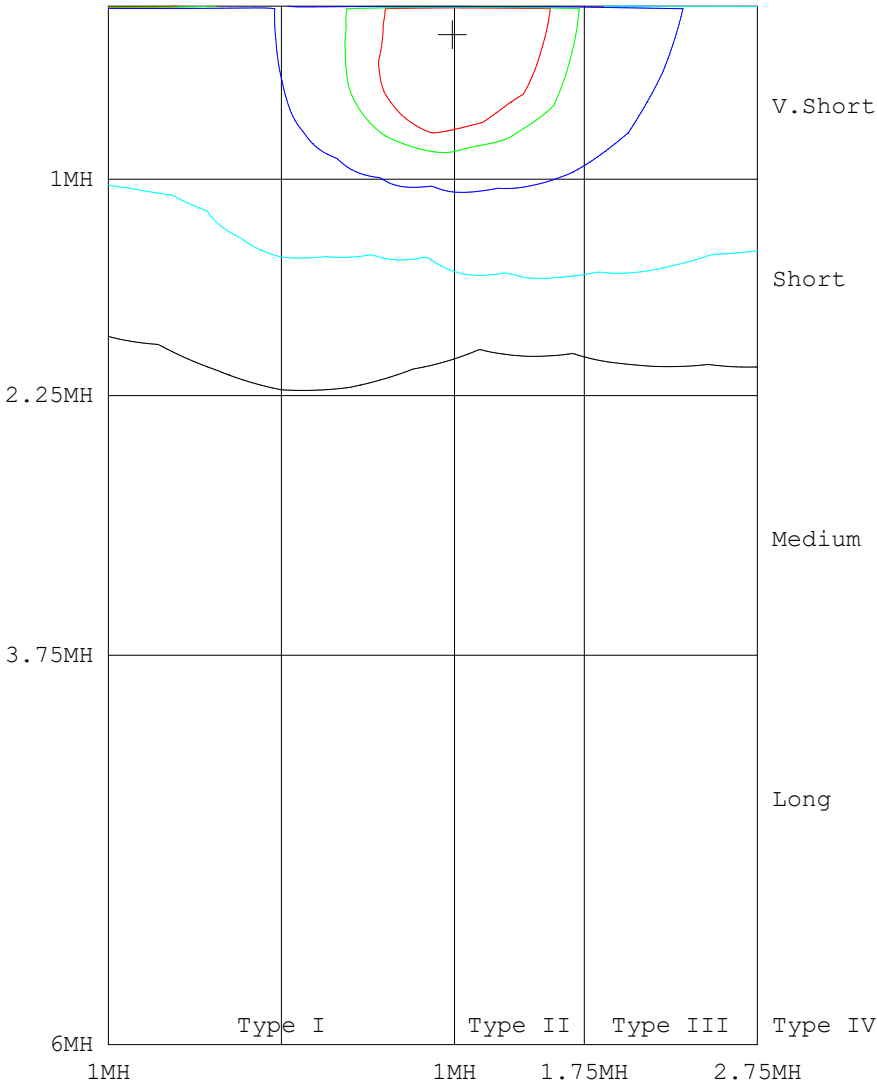
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:26.000m [K=0.4556]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

| | | |
|--|-------|------------------|
| Test:U:230.0V I:1.787A P:400.0W PF:0.973 Freq:50.00Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:58807.8x1 lm | | |
| NAME: SP04-400-5770-F04001Z | 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°C Operators: LYJ Test Date: 14 January 2023

V Range: 12072 - 90DEG V Interval: 0.5DEG Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.465 Humidity: 65.0% Test Distance: 26.000m [K=0.4556] Remarks: