

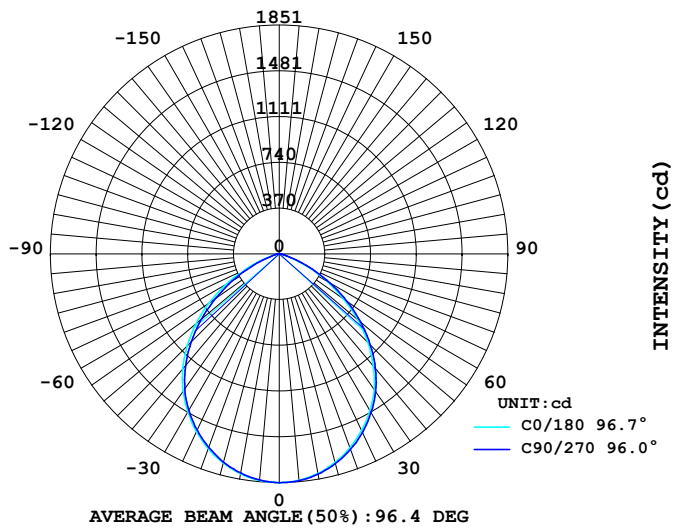
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

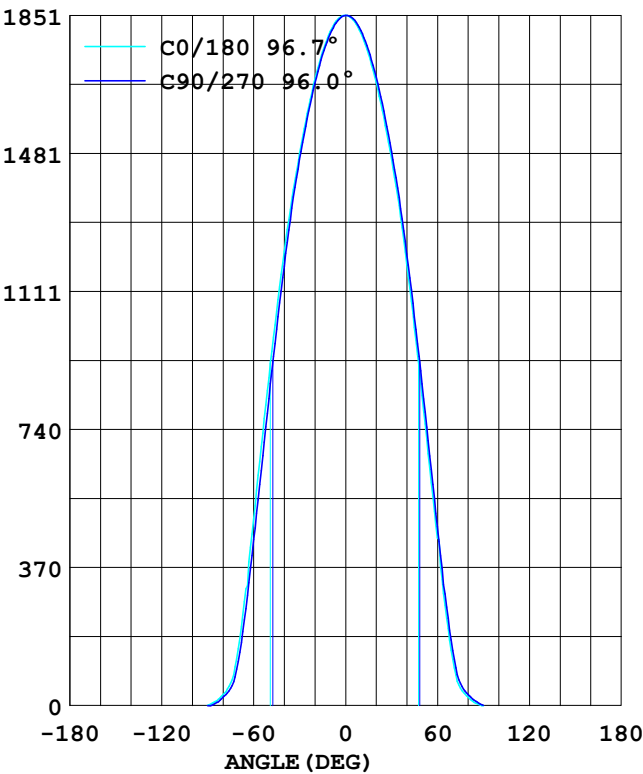
| | | |
|---------------------------|---------------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH | Address: | |
| NAME: Mila | TYPE: IL-DL17-N0303C-100 | WEIGHT: |
| SPECIFICATION: Ra90 4000K | DIMENSION: \varnothing 230*95 | SERIAL No.: |

| | | | | | |
|-------------------|--------|--------------------|--------|-------------------|-------|
| DATA OF LAMP | | Imax(cd) | 1851 | S/MH (C0/180) | 1.19 |
| MODEL | | EFFICIENCY (%) | 100.0 | S/MH (C90/270) | 1.18 |
| NOMINAL POWER(W) | 30 | TOTAL FLUX(lm) | 3977.4 | Voltage(V) | 228.3 |
| RATED VOLTAGE (V) | 228 | EFFICIENCY (lm/W) | 125.0 | Current(A) | 0.144 |
| NOMINAL FLUX(lm) | 3977.4 | η up (%) | 0.0 | Power(W) | 31.80 |
| LAMPS QUANTITY | 1 | η down (%) | 100.0 | Power Factor (PF) | 0.966 |
| TEST VOLTAGE (V) | 228.4 | Effective Flux(lm) | 3977.4 | EEI | 0.109 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



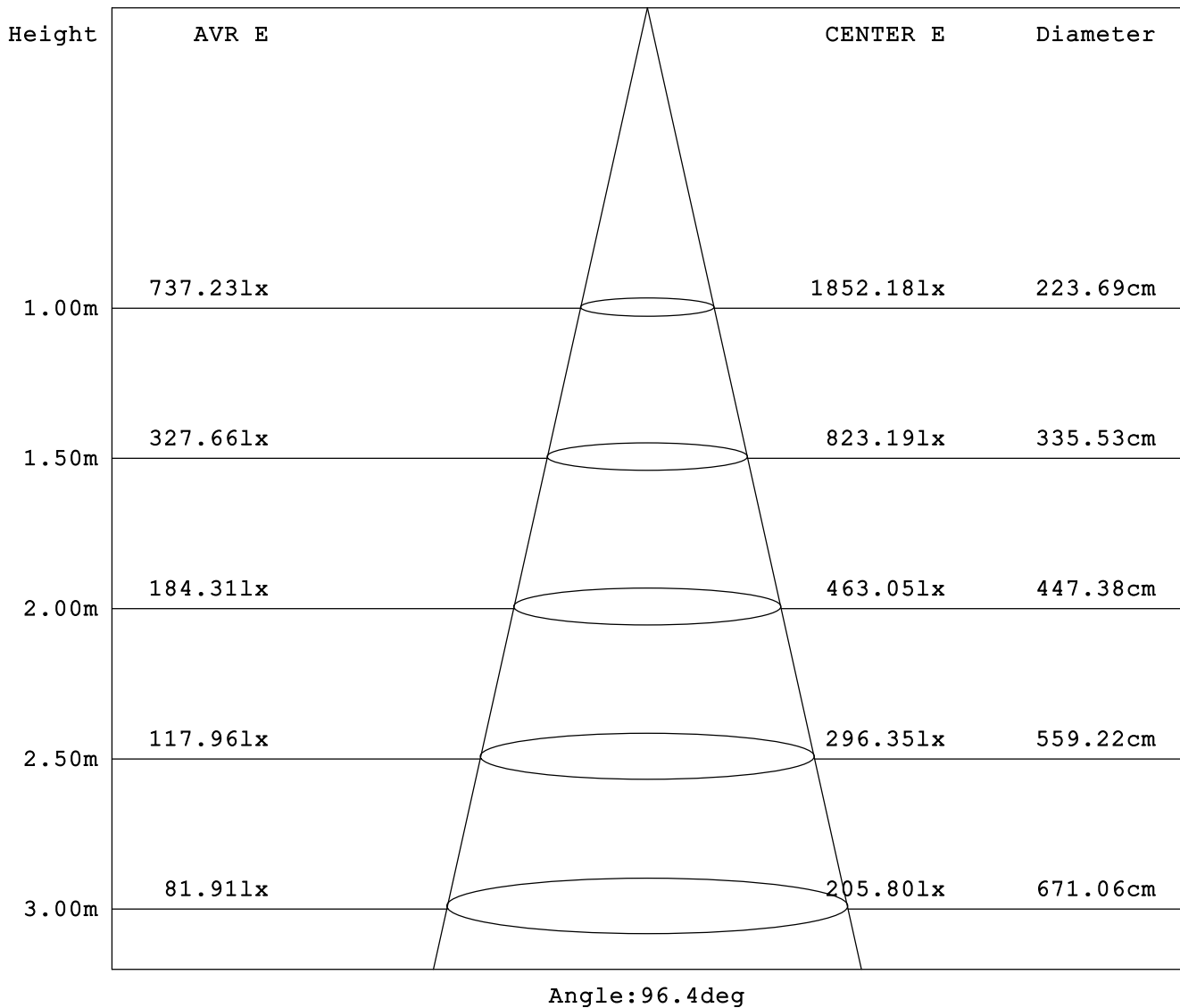
Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2025-07-15

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

AVERAGE AND CENTER E Figure

Report number:

| | | |
|---------------------------|---------------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH | Address: | |
| NAME: Mila | TYPE: IL-DL17-N0303C-100 | WEIGHT: |
| SPECIFICATION: Ra90 4000K | DIMENSION: \varnothing 230*95 | SERIAL No.: |



Test System:
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-15

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks:

ZONAL FLUX DIAGRAM

Report number:

| | | |
|---------------------------|--------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH | Address: | |
| NAME: Mila | TYPE: IL-DL17-N0303C-100 | WEIGHT: |
| SPECIFICATION: Ra90 4000K | DIMENSION: ϕ 230*95 | SERIAL No.: |

| γ | C0 | C90 | C180 | C270 | | | | | γ | zone | total |
|----------|-----------------------|-------|-------|-------|--|--|--|--|----------|---------|-------|
| 5.0 | 1840 | 1837 | 1838 | 1842 | | | | | 0- 5 | 44.11 | 44.11 |
| 10.0 | 1807 | 1800 | 1804 | 1810 | | | | | 5- 10 | 130.3 | 174.4 |
| 15.0 | 1752 | 1745 | 1747 | 1757 | | | | | 10- 15 | 210.8 | 385.3 |
| 20.0 | 1678 | 1668 | 1672 | 1686 | | | | | 15- 20 | 282.2 | 667.6 |
| 25.0 | 1587 | 1573 | 1577 | 1594 | | | | | 20- 25 | 341.6 | 1009 |
| 30.0 | 1479 | 1464 | 1466 | 1485 | | | | | 25- 30 | 386.7 | 1396 |
| 35.0 | 1355 | 1334 | 1341 | 1362 | | | | | 30- 35 | 415.5 | 1812 |
| 40.0 | 1219 | 1179 | 1186 | 1211 | | | | | 35- 40 | 424.8 | 2236 |
| 45.0 | 1057 | 1009 | 1013 | 1042 | | | | | 40- 45 | 412.7 | 2649 |
| 50.0 | 878.6 | 823.0 | 831.5 | 861.9 | | | | | 45- 50 | 379.5 | 3029 |
| 55.0 | 694.0 | 629.4 | 638.3 | 669.4 | | | | | 50- 55 | 327.2 | 3356 |
| 60.0 | 500.1 | 445.0 | 449.7 | 479.8 | | | | | 55- 60 | 259.3 | 3615 |
| 65.0 | 312.9 | 259.7 | 268.9 | 299.4 | | | | | 60- 65 | 181.5 | 3797 |
| 70.0 | 152.7 | 117.8 | 124.6 | 147.4 | | | | | 65- 70 | 104.4 | 3901 |
| 75.0 | 59.83 | 46.31 | 46.64 | 60.02 | | | | | 70- 75 | 45.16 | 3946 |
| 80.0 | 28.55 | 21.59 | 22.76 | 29.90 | | | | | 75- 80 | 20.08 | 3967 |
| 85.0 | 10.57 | 5.583 | 6.575 | 11.18 | | | | | 80- 85 | 8.839 | 3975 |
| 90.0 | 0.080 | 0 | 0 | 0.280 | | | | | 85- 90 | 1.988 | 3977 |
| 95.0 | | | | | | | | | 90- 95 | | |
| 100.0 | | | | | | | | | 95-100 | | |
| 105.0 | | | | | | | | | 100-105 | | |
| 110.0 | | | | | | | | | 105-110 | | |
| 115.0 | | | | | | | | | 110-115 | | |
| 120.0 | | | | | | | | | 115-120 | | |
| 125.0 | | | | | | | | | 120-125 | | |
| 130.0 | | | | | | | | | 125-130 | | |
| 135.0 | | | | | | | | | 130-135 | | |
| 140.0 | | | | | | | | | 135-140 | | |
| 145.0 | | | | | | | | | 140-145 | | |
| 150.0 | | | | | | | | | 145-150 | | |
| 155.0 | | | | | | | | | 150-155 | | |
| 160.0 | | | | | | | | | 155-160 | | |
| 165.0 | | | | | | | | | 160-165 | | |
| 170.0 | | | | | | | | | 165-170 | | |
| 175.0 | | | | | | | | | 170-175 | | |
| 180.0 | | | | | | | | | 175-180 | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | |

Test System:
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-15

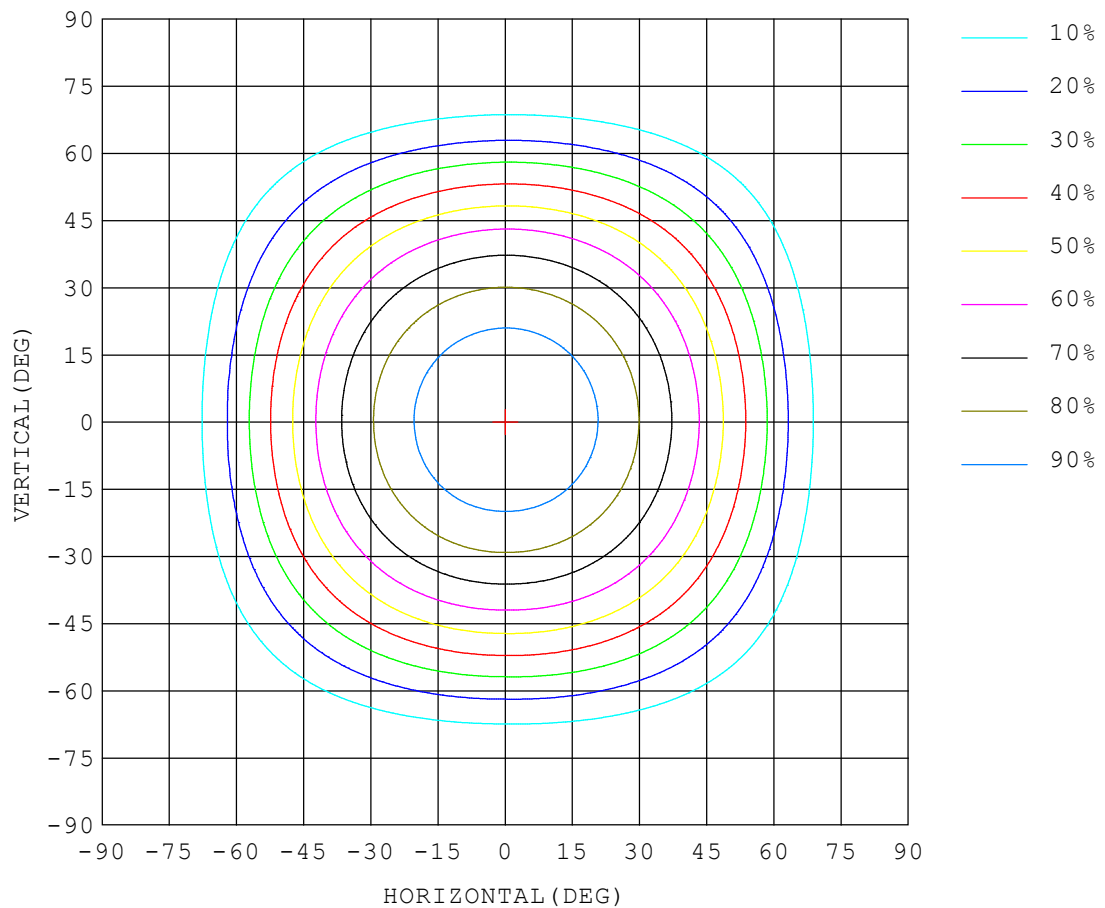
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

| | | |
|---------------------------|---------------------------------|-------------|
| MANUFACTURER: ILUMEN GMBH | Address: | |
| NAME: Mila | TYPE: IL-DL17-N0303C-100 | WEIGHT: |
| SPECIFICATION: Ra90 4000K | DIMENSION: \varnothing 230*95 | SERIAL No.: |

UNIT: cd



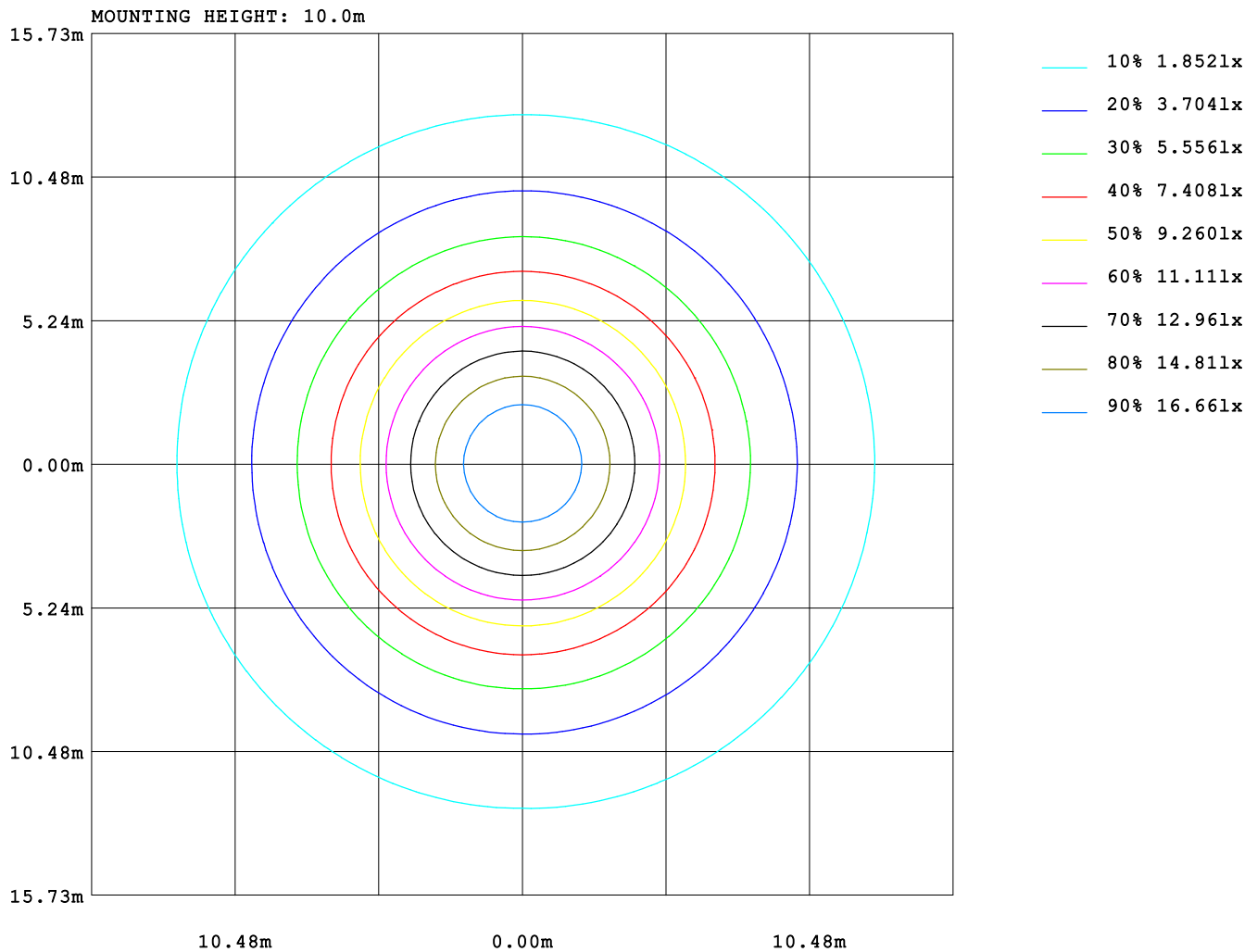
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025-07-15

Test Set: 5.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

| | | |
|---------------------------|--|-------------|
| MANUFACTURER: ILUMEN GMBH | Address: | |
| NAME: Mila | TYPE: IL-DL17-N0303C-100 | WEIGHT: |
| SPECIFICATION: Ra90 4000K | DIMENSION: $\varnothing 230 \times 95$ | SERIAL No.: |



Test System:
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-15

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks:

Uncorrected UGR Table

Report number:

| | | | | |
|----------------------------------|---------------------------------|--|--------------------|--|
| MANUFACTURER: ILUMEN GMBH | Address: | | | |
| NAME: Mila | TYPE: IL-DL17-N0303C-100 | | WEIGHT: | |
| SPECIFICATION: Ra90 4000K | DIMENSION: φ230*95 | | SERIAL No.: | |

| | | | | | | | | | | |
|-----------------|------------------|------|------|------|------|----------------|------|------|------|------|
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 24.2 | 25.6 | 24.5 | 25.8 | 26.0 | 23.9 | 25.2 | 24.1 | 25.4 | 25.6 |
| 3H | 24.6 | 25.8 | 24.9 | 26.0 | 26.3 | 24.1 | 25.4 | 24.4 | 25.6 | 25.8 |
| 4H | 24.5 | 25.7 | 24.8 | 26.0 | 26.2 | 24.1 | 25.2 | 24.4 | 25.5 | 25.7 |
| 6H | 24.5 | 25.6 | 24.8 | 25.8 | 26.1 | 24.0 | 25.1 | 24.3 | 25.4 | 25.6 |
| 8H | 24.4 | 25.5 | 24.8 | 25.8 | 26.1 | 23.9 | 25.0 | 24.3 | 25.3 | 25.6 |
| 12H | 24.4 | 25.4 | 24.7 | 25.7 | 26.0 | 23.9 | 24.9 | 24.2 | 25.2 | 25.5 |
| 4H 2H | 24.4 | 25.6 | 24.7 | 25.8 | 26.1 | 24.1 | 25.3 | 24.4 | 25.5 | 25.8 |
| 3H | 24.8 | 25.8 | 25.2 | 26.1 | 26.4 | 24.4 | 25.4 | 24.7 | 25.7 | 26.0 |
| 4H | 24.8 | 25.7 | 25.2 | 26.0 | 26.4 | 24.4 | 25.3 | 24.7 | 25.6 | 25.9 |
| 6H | 24.8 | 25.6 | 25.2 | 25.9 | 26.3 | 24.3 | 25.1 | 24.7 | 25.5 | 25.8 |
| 8H | 24.7 | 25.5 | 25.1 | 25.9 | 26.2 | 24.3 | 25.0 | 24.7 | 25.4 | 25.8 |
| 12H | 24.7 | 25.4 | 25.1 | 25.8 | 26.2 | 24.3 | 24.9 | 24.7 | 25.3 | 25.7 |
| 8H 4H | 24.7 | 25.5 | 25.1 | 25.8 | 26.2 | 24.3 | 25.0 | 24.7 | 25.4 | 25.8 |
| 6H | 24.7 | 25.3 | 25.1 | 25.7 | 26.1 | 24.3 | 24.9 | 24.7 | 25.3 | 25.7 |
| 8H | 24.7 | 25.2 | 25.1 | 25.6 | 26.1 | 24.2 | 24.8 | 24.7 | 25.2 | 25.7 |
| 12H | 24.7 | 25.1 | 25.1 | 25.6 | 26.0 | 24.2 | 24.7 | 24.7 | 25.1 | 25.6 |
| 12H 4H | 24.7 | 25.4 | 25.1 | 25.7 | 26.1 | 24.3 | 24.9 | 24.7 | 25.3 | 25.7 |
| 6H | 24.7 | 25.2 | 25.1 | 25.6 | 26.1 | 24.2 | 24.8 | 24.7 | 25.2 | 25.6 |
| 8H | 24.7 | 25.1 | 25.1 | 25.6 | 26.0 | 24.2 | 24.7 | 24.7 | 25.1 | 25.6 |

Variations with the observer position at spacings:

| | | |
|----------|---------------|---------------|
| S = 1.0H | + 0.6 / - 0.7 | + 0.7 / - 0.9 |
| 1.5H | + 0.3 / - 0.5 | + 0.2 / - 0.5 |
| 2.0H | + 1.1 / - 1.9 | + 1.1 / - 1.7 |

CIE Pub.117 Corrected 3977 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.8)

Test System:
Temperature:25.3DEG
Operators:
Test Date:2025-07-15

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: