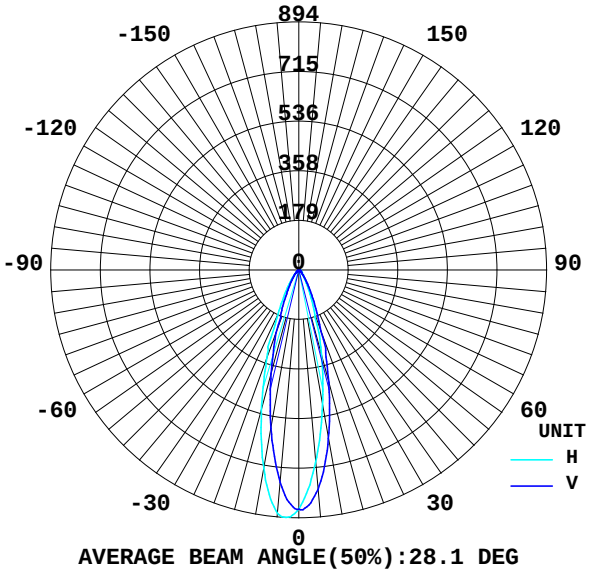
# LUMINAIRE PHOTOMETRIC TEST REPORT

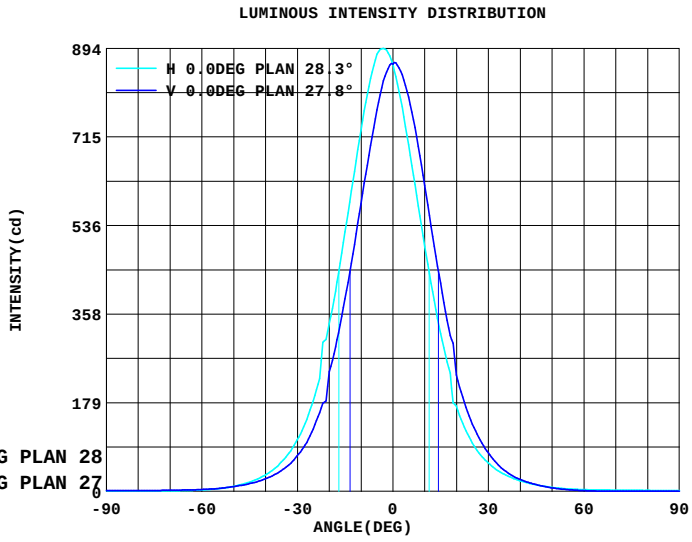
Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

| | | | | | |
|---|---|---|---|---|---|
| MODEL: | | | | | |
| NOMINAL POWER(W): | 6 | Imax(cd): | 893.7 | Voltage(V) | 24.01 |
| RATED VOLTAGE(V): | 24 | AVAILABILITY(%): | 79.6 | Current(A) | 0.260 |
| NOMINAL FLUX(lm): | 301 | Avai. FLUX(lm): | 239.3 | Power(W) | 6.250 |
| TEST FLUX(lm): | 301 | EFFICIENCY(%): | 100.0 | Power Factor(PF) | 1.000 |
| LAMPS QUANTITY : | 1 | TOTAL FLUX(lm): | 300.6 | EFFICIENCY(lm/W) | 48.1 |
| Effictive Flux(lm) : | 239.4 | θ @50%(H, V): | 28.3,28.2DEG | EEI: | 0.247 |




AVERAGE BEAM ANGLE(50%):28.1 DEG




Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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

# Color Temperature Data List

Report number:

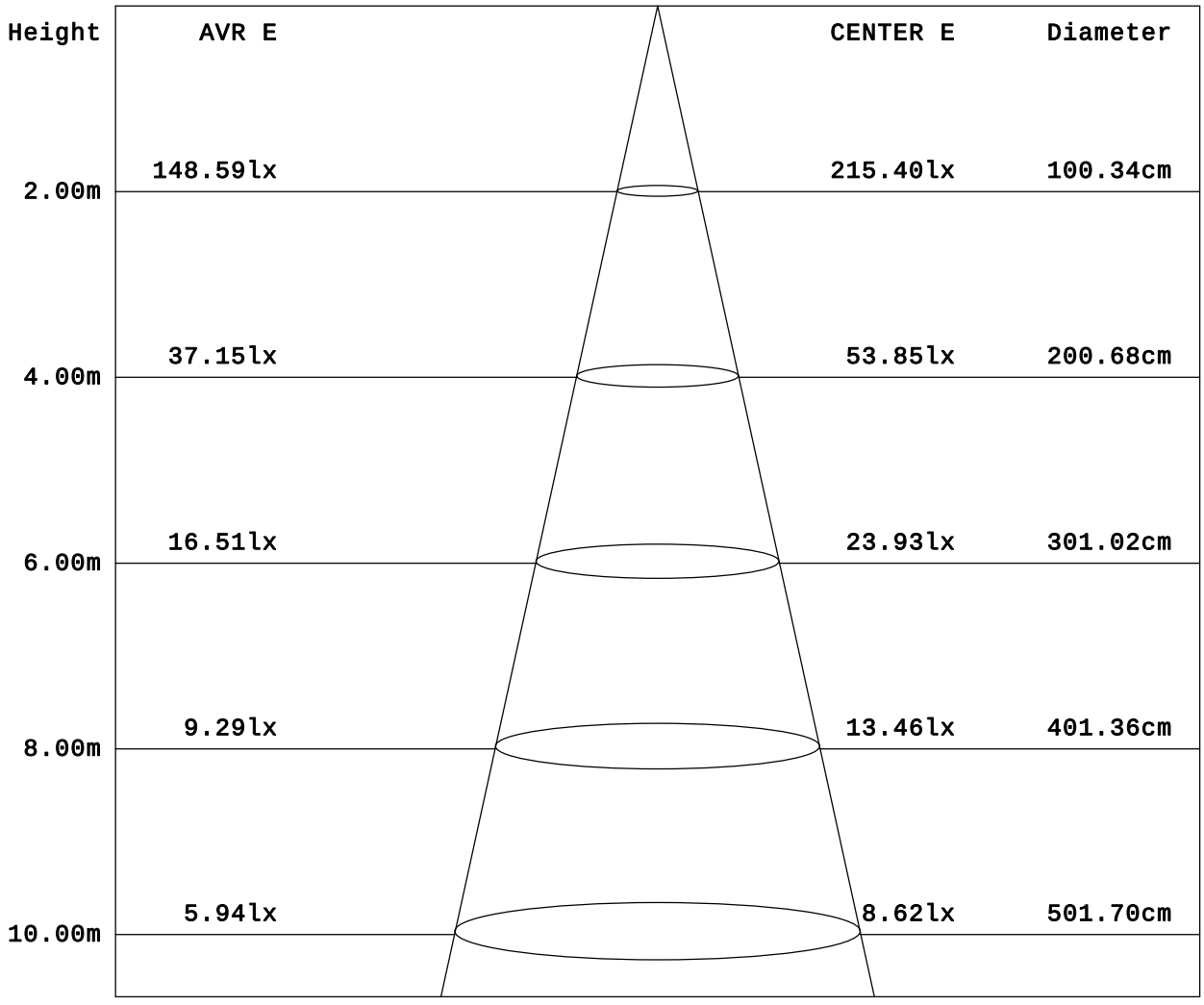
| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

Test System:HOPOO HPG1800 Test Set: 5.0deg/s C-Gamma (TYPE C)
Temperature:25.3DEG Humidity:65.0%
Operators: Test Distance:10.000 m
Test Date:2025年07月28日 Remarks:

# AVERAGE AND CENTER E Figure

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |




Angle:28.2deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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

# AREA LUMINOUS FLUX

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

AREA FLUX DIAGRAM — UNIT:lm

| VERTICAL(DEG) | -45 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | Φ t | Φ a |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.13 | 0.15 | 0.15 | 0.15 | 0.14 | 0.13 | 0.12 | 0.10 | 0.08 | 0.07 | 0.05 | 0.04 | 0.03 | 1.71 | 0.00 |
| 40 | 0.05 | 0.08 | 0.11 | 0.15 | 0.18 | 0.22 | 0.25 | 0.26 | 0.25 | 0.24 | 0.23 | 0.20 | 0.16 | 0.13 | 0.10 | 0.07 | 0.05 | 0.03 | 2.75 | 0.00 |
| 35 | 0.06 | 0.10 | 0.15 | 0.22 | 0.28 | 0.35 | 0.41 | 0.45 | 0.45 | 0.43 | 0.39 | 0.33 | 0.26 | 0.20 | 0.14 | 0.10 | 0.07 | 0.04 | 4.43 | 0.00 |
| 30 | 0.08 | 0.13 | 0.20 | 0.31 | 0.43 | 0.55 | 0.68 | 0.77 | 0.81 | 0.77 | 0.67 | 0.53 | 0.40 | 0.29 | 0.20 | 0.13 | 0.09 | 0.05 | 7.09 | 2.79 |
| 25 | 0.09 | 0.16 | 0.27 | 0.42 | 0.62 | 0.86 | 1.13 | 1.37 | 1.42 | 1.32 | 1.13 | 0.87 | 0.60 | 0.41 | 0.27 | 0.17 | 0.11 | 0.07 | 11.3 | 8.60 |
| 20 | 0.11 | 0.20 | 0.34 | 0.55 | 0.87 | 1.35 | 2.00 | 2.42 | 2.58 | 2.41 | 1.99 | 1.39 | 0.90 | 0.56 | 0.35 | 0.21 | 0.13 | 0.08 | 18.4 | 16.2 |
| 15 | 0.13 | 0.23 | 0.41 | 0.70 | 1.17 | 2.08 | 2.99 | 3.72 | 3.99 | 3.72 | 3.01 | 2.14 | 1.27 | 0.73 | 0.42 | 0.25 | 0.15 | 0.09 | 27.2 | 25.2 |
| | 0.14 | 0.26 | 0.47 | 0.83 | 1.54 | 2.65 | 3.90 | 5.08 | 5.52 | 5.10 | 4.02 | 2.73 | 1.62 | 0.87 | 0.48 | 0.28 | 0.16 | 0.09 | 35.7 | 33.9 |
| | 0.14 | 0.27 | 0.50 | 0.92 | 1.78 | 3.00 | 4.51 | 5.94 | 6.53 | 5.97 | 4.54 | 3.02 | 1.78 | 0.93 | 0.51 | 0.29 | 0.17 | 0.10 | 40.9 | 39.2 |
| | 0.14 | 0.26 | 0.49 | 0.91 | 1.73 | 2.92 | 4.38 | 5.76 | 6.40 | 5.75 | 4.38 | 2.93 | 1.71 | 0.91 | 0.50 | 0.28 | 0.16 | 0.09 | 39.7 | 38.0 |
| | 0.13 | 0.24 | 0.44 | 0.79 | 1.41 | 2.42 | 3.56 | 4.63 | 5.18 | 4.78 | 3.67 | 2.51 | 1.44 | 0.80 | 0.45 | 0.25 | 0.15 | 0.09 | 32.9 | 31.1 |
| -15 | 0.11 | 0.20 | 0.36 | 0.63 | 1.05 | 1.72 | 2.56 | 3.29 | 3.66 | 3.43 | 2.71 | 1.77 | 1.08 | 0.64 | 0.37 | 0.22 | 0.13 | 0.07 | 24.0 | 22.0 |
| -20 | 0.09 | 0.16 | 0.28 | 0.47 | 0.74 | 1.10 | 1.59 | 2.10 | 2.34 | 2.20 | 1.71 | 1.17 | 0.74 | 0.47 | 0.28 | 0.17 | 0.10 | 0.06 | 15.8 | 13.5 |
| -25 | 0.07 | 0.12 | 0.21 | 0.33 | 0.50 | 0.71 | 0.96 | 1.17 | 1.27 | 1.21 | 1.00 | 0.74 | 0.50 | 0.31 | 0.20 | 0.13 | 0.08 | 0.05 | 9.59 | 6.78 |
| -30 | 0.05 | 0.09 | 0.14 | 0.22 | 0.32 | 0.45 | 0.57 | 0.68 | 0.73 | 0.69 | 0.59 | 0.45 | 0.32 | 0.21 | 0.14 | 0.09 | 0.06 | 0.04 | 5.85 | 1.55 |
| -35 | 0.04 | 0.06 | 0.09 | 0.14 | 0.21 | 0.28 | 0.34 | 0.39 | 0.42 | 0.40 | 0.35 | 0.28 | 0.21 | 0.14 | 0.09 | 0.06 | 0.04 | 0.03 | 3.57 | 0.00 |
| -40 | 0.03 | 0.04 | 0.06 | 0.09 | 0.12 | 0.17 | 0.21 | 0.24 | 0.25 | 0.24 | 0.21 | 0.17 | 0.13 | 0.09 | 0.06 | 0.04 | 0.03 | 0.02 | 2.19 | 0.00 |
| -45 | 0.02 | 0.03 | 0.04 | 0.05 | 0.08 | 0.10 | 0.12 | 0.14 | 0.15 | 0.15 | 0.13 | 0.11 | 0.08 | 0.06 | 0.04 | 0.03 | 0.02 | 0.01 | 1.33 | 0.00 |
| Φ t | 1.50 | 2.67 | 4.63 | 7.81 | 13.1 | 21.1 | 30.3 | 38.6 | 42.1 | 39.0 | 30.9 | 21.5 | 13.3 | 7.83 | 4.68 | 2.83 | 1.72 | 1.03 | 301 | |
| Φ a | 0.00 | 0.00 | 0.30 | 4.57 | 10.5 | 18.7 | 28.1 | 36.5 | 40.1 | 36.9 | 28.7 | 19.1 | 10.6 | 4.59 | 0.25 | 0.00 | 0.00 | 0.00 | | 239 |

HORIZONTAL(DEG)

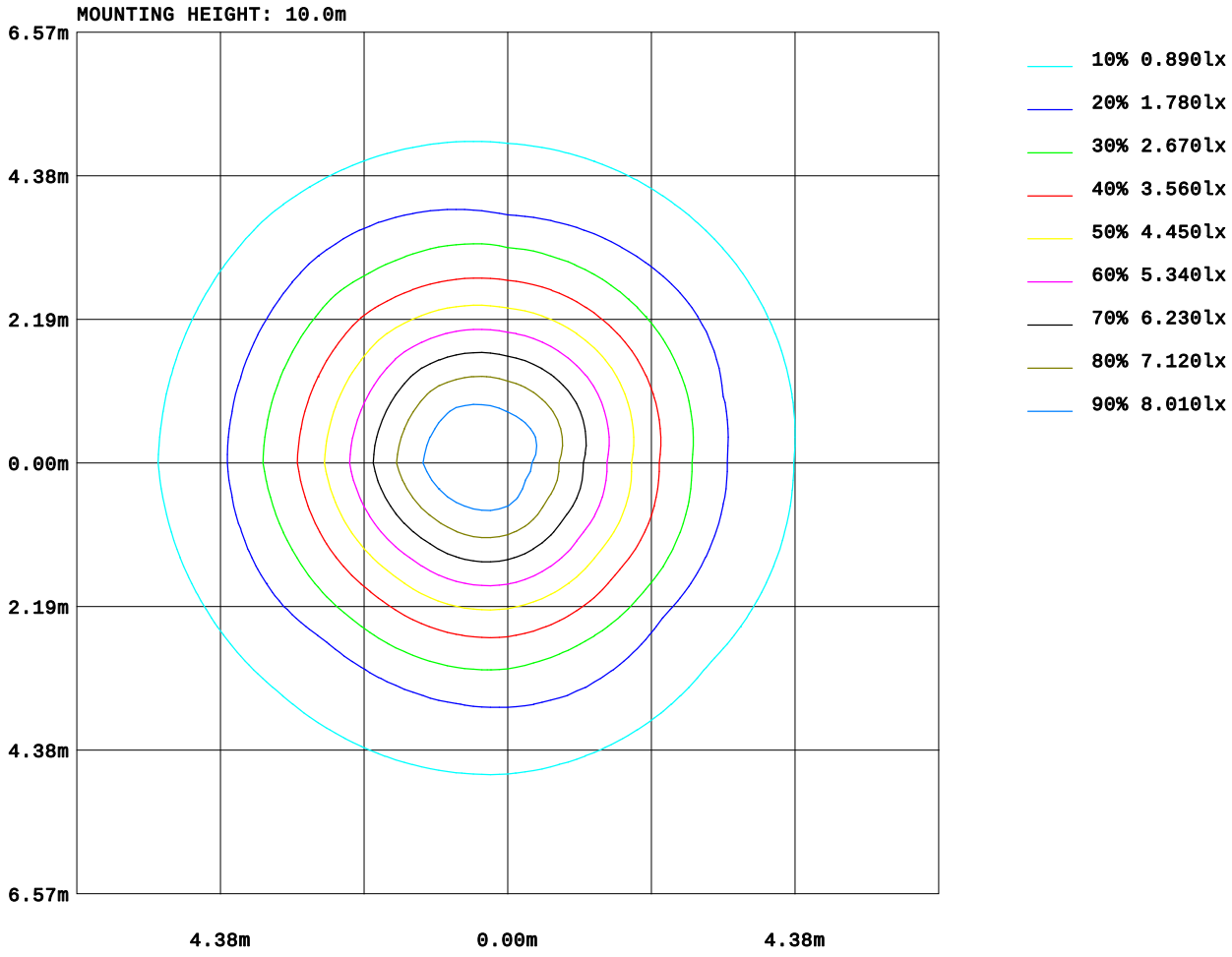
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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

# ISOLUX DIAGRAM

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |



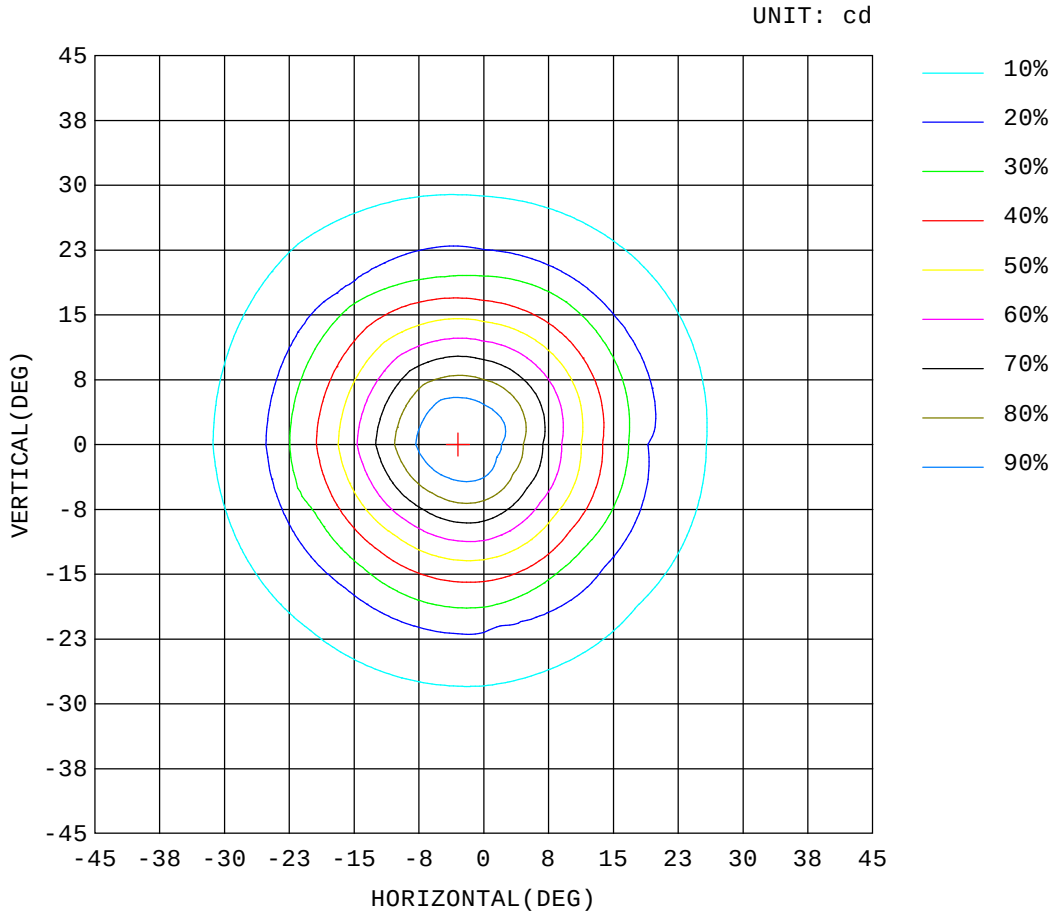

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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

# ISOCANDELA DIAGRAM

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |




Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

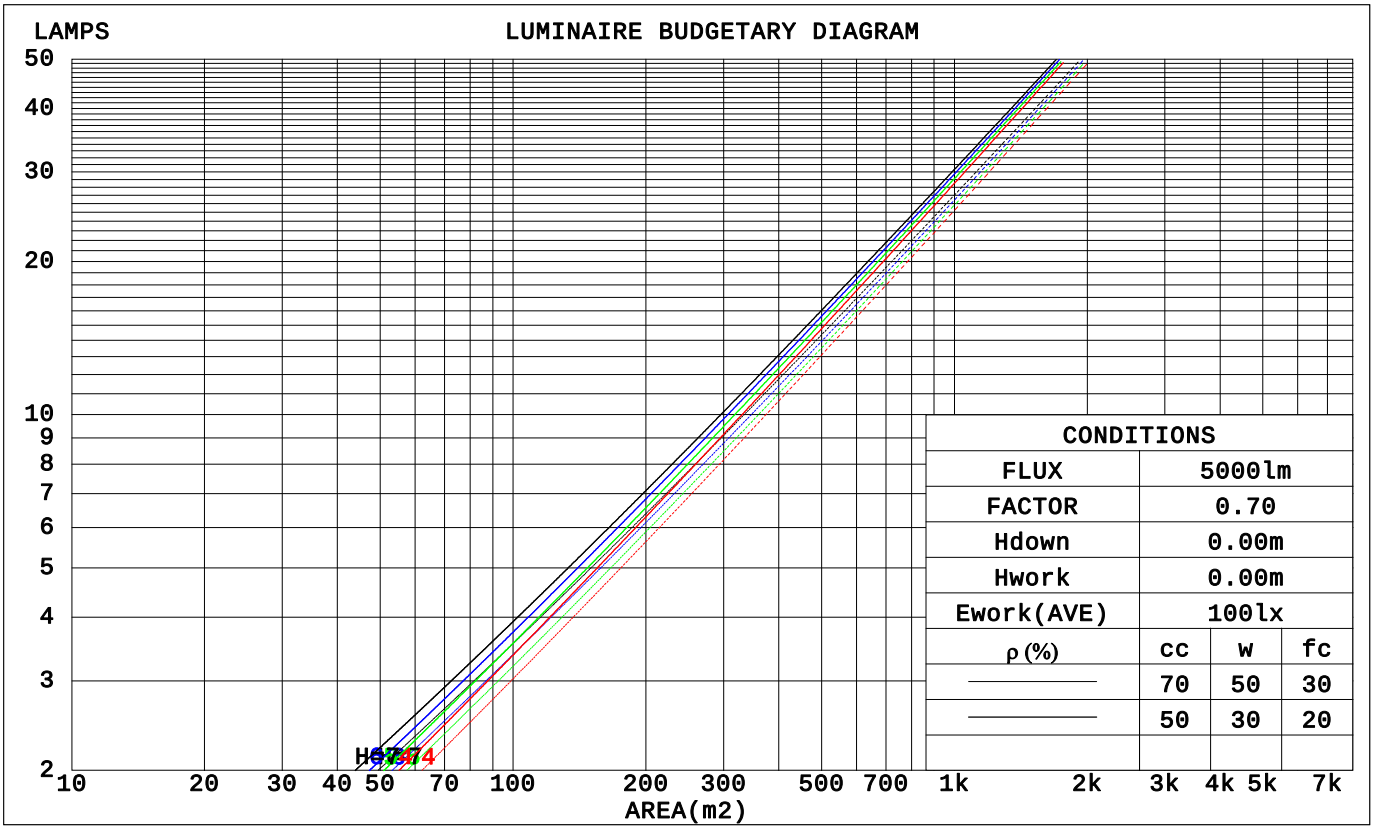
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

# CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | Coefficients of Utilization(CU) | | | | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.00 | 1.00 | 1.00 | .98 |
| 1.0 | 1.11 | 1.09 | 1.07 | 1.09 | 1.07 | 1.05 | 1.04 | 1.03 | 1.01 | 1.00 | .99 | .98 | .97 | .96 | .95 | .93 |
| 2.0 | 1.04 | 1.01 | .98 | 1.02 | .99 | .96 | .99 | .96 | .94 | .96 | .94 | .92 | .93 | .91 | .90 | .88 |
| 3.0 | .98 | .94 | .90 | .97 | .93 | .90 | .94 | .91 | .88 | .91 | .89 | .86 | .89 | .87 | .85 | .83 |
| 4.0 | .93 | .88 | .85 | .92 | .87 | .84 | .90 | .86 | .83 | .88 | .84 | .82 | .86 | .83 | .81 | .79 |
| 5.0 | .89 | .83 | .80 | .88 | .83 | .79 | .86 | .82 | .78 | .84 | .80 | .78 | .82 | .79 | .77 | .75 |
| 6.0 | .84 | .79 | .76 | .84 | .79 | .75 | .82 | .78 | .75 | .80 | .77 | .74 | .79 | .76 | .73 | .72 |
| 7.0 | .81 | .75 | .72 | .80 | .75 | .72 | .79 | .74 | .71 | .77 | .73 | .71 | .76 | .73 | .70 | .69 |
| 8.0 | .77 | .72 | .69 | .77 | .72 | .68 | .75 | .71 | .68 | .74 | .70 | .68 | .73 | .70 | .67 | .66 |
| 9.0 | .74 | .69 | .66 | .74 | .69 | .66 | .73 | .68 | .65 | .72 | .68 | .65 | .71 | .67 | .65 | .63 |
| 10.0 | .71 | .66 | .63 | .71 | .66 | .63 | .70 | .66 | .63 | .69 | .65 | .62 | .68 | .65 | .62 | .61 |




Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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

# ZONAL FLUX DIAGRAM

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | zone | total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.0 | 699.1 | 707.7 | 769.7 | 819.6 | 881.9 | 854.7 | 795.2 | 756.0 | 0- 5 | 19.67 | 19.67 |
| 10.0 | 494.6 | 508.6 | 579.7 | 639.5 | 727.2 | 708.4 | 616.9 | 562.0 | 5- 10 | 49.35 | 69.03 |
| 15.0 | 318.1 | 329.5 | 388.7 | 435.0 | 523.2 | 501.5 | 420.1 | 368.3 | 10- 15 | 59.25 | 128.2 |
| 20.0 | 171.8 | 174.3 | 241.4 | 262.7 | 338.7 | 327.8 | 234.6 | 229.3 | 15- 20 | 53.09 | 181.3 |
| 25.0 | 97.09 | 95.00 | 125.8 | 142.4 | 182.2 | 176.3 | 135.3 | 116.7 | 20- 25 | 38.24 | 219.6 |
| 30.0 | 57.20 | 52.39 | 72.29 | 80.59 | 104.0 | 99.59 | 77.50 | 66.19 | 25- 30 | 25.64 | 245.2 |
| 35.0 | 34.40 | 28.79 | 41.90 | 45.50 | 59.20 | 62.00 | 42.59 | 41.00 | 30- 35 | 17.20 | 262.4 |
| 40.0 | 21.29 | 15.90 | 25.29 | 26.00 | 33.00 | 37.79 | 24.10 | 24.40 | 35- 40 | 11.44 | 273.9 |
| 45.0 | 13.20 | 8.800 | 15.50 | 12.60 | 18.60 | 22.79 | 13.79 | 14.90 | 40- 45 | 7.357 | 281.2 |
| 50.0 | 7.900 | 4.700 | 9.600 | 6.700 | 10.00 | 14.40 | 6.900 | 9.300 | 45- 50 | 4.672 | 285.9 |
| 55.0 | 4.900 | 2.400 | 5.800 | 3.600 | 5.200 | 9.000 | 3.300 | 5.600 | 50- 55 | 2.897 | 288.8 |
| 60.0 | 3.400 | 1.100 | 3.700 | 1.700 | 2.700 | 5.400 | 1.400 | 3.500 | 55- 60 | 1.761 | 290.6 |
| 65.0 | 2.900 | 0.600 | 2.600 | 0.700 | 1.500 | 3.600 | 0.600 | 2.800 | 60- 65 | 1.127 | 291.7 |
| 70.0 | 2.500 | 0.400 | 2.200 | 0.400 | 1.100 | 2.800 | 0.400 | 2.200 | 65- 70 | 0.848 | 292.5 |
| 75.0 | 2.100 | 0.400 | 1.900 | 0.300 | 0.900 | 2.300 | 0.300 | 1.900 | 70- 75 | 0.718 | 293.2 |
| 80.0 | 2.000 | 0.300 | 1.700 | 0.200 | 0.800 | 2.000 | 0.300 | 1.600 | 75- 80 | 0.633 | 293.9 |
| 85.0 | 1.800 | 0.300 | 1.400 | 0.100 | 0.700 | 1.700 | 0.100 | 1.400 | 80- 85 | 0.558 | 294.4 |
| 90.0 | 1.600 | 0.200 | 1.300 | 0.100 | 0.700 | 1.600 | 0.100 | 1.300 | 85- 90 | 0.504 | 294.9 |
| 95.0 | 1.600 | 0.200 | 1.100 | 0.100 | 0.800 | 1.500 | 0.100 | 1.200 | 90- 95 | 0.473 | 295.4 |
| 100.0 | 1.400 | 0.200 | 1.100 | 0.100 | 0.800 | 1.400 | 0.100 | 1.100 | 95-100 | 0.443 | 295.9 |
| 105.0 | 1.300 | 0.300 | 1.000 | 0.100 | 0.700 | 1.300 | 0.200 | 1.100 | 100-105 | 0.412 | 296.3 |
| 110.0 | 1.300 | 0.300 | 0.900 | 0 | 0.800 | 1.300 | 0.100 | 0.900 | 105-110 | 0.382 | 296.7 |
| 115.0 | 1.200 | 0.300 | 0.900 | 0.100 | 0.800 | 1.100 | 0.200 | 0.900 | 110-115 | 0.358 | 297.0 |
| 120.0 | 1.300 | 0.400 | 0.800 | 0.100 | 0.900 | 1.100 | 0.300 | 0.900 | 115-120 | 0.341 | 297.3 |
| 125.0 | 1.100 | 0.300 | 0.800 | 0.100 | 0.900 | 1.000 | 0.300 | 1.000 | 120-125 | 0.316 | 297.7 |
| 130.0 | 1.200 | 0.400 | 0.800 | 0.100 | 1.000 | 1.100 | 0.400 | 0.900 | 125-130 | 0.304 | 298.0 |
| 135.0 | 1.200 | 0.400 | 0.800 | 0.300 | 1.100 | 1.100 | 0.400 | 1.000 | 130-135 | 0.308 | 298.3 |
| 140.0 | 1.300 | 0.600 | 0.900 | 0.300 | 1.300 | 1.200 | 0.500 | 1.100 | 135-140 | 0.312 | 298.6 |
| 145.0 | 1.300 | 0.700 | 0.900 | 0.500 | 1.500 | 1.400 | 0.800 | 1.300 | 140-145 | 0.322 | 298.9 |
| 150.0 | 1.600 | 0.800 | 1.000 | 0.500 | 1.800 | 1.600 | 1.100 | 1.500 | 145-150 | 0.340 | 299.3 |
| 155.0 | 1.700 | 1.100 | 1.200 | 0.800 | 2.000 | 1.800 | 1.400 | 1.900 | 150-155 | 0.347 | 299.6 |
| 160.0 | 1.900 | 1.300 | 1.400 | 1.000 | 2.400 | 1.900 | 1.500 | 2.000 | 155-160 | 0.331 | 299.9 |
| 165.0 | 1.900 | 1.500 | 1.600 | 1.200 | 2.400 | 2.000 | 1.600 | 2.000 | 160-165 | 0.284 | 300.2 |
| 170.0 | 2.100 | 1.700 | 1.700 | 1.300 | 2.500 | 2.000 | 1.700 | 1.900 | 165-170 | 0.218 | 300.4 |
| 175.0 | 2.100 | 1.700 | 1.700 | 1.500 | 2.600 | 2.000 | 1.700 | 1.900 | 170-175 | 0.135 | 300.6 |
| 180.0 | 2.300 | 1.900 | 1.800 | 1.500 | 2.700 | 1.900 | 1.600 | 1.800 | 175-180 | 0.046 | 300.6 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | |

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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

# WEC AND CCEC

Report number:

| MANUFACTURER: | | |
|---|---|---|
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coeffcients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .166 | .094 | .030 | .158 | .090 | .029 | .145 | .083 | .027 | .132 | .076 | .024 | .121 | .070 | .023 | |
| 2.0 | .155 | .085 | .026 | .149 | .082 | .025 | .137 | .076 | .024 | .127 | .071 | .022 | .117 | .066 | .021 | |
| 3.0 | .145 | .077 | .023 | .140 | .075 | .023 | .130 | .071 | .021 | .121 | .066 | .020 | .113 | .062 | .019 | |
| 4.0 | .137 | .071 | .021 | .132 | .069 | .020 | .124 | .066 | .020 | .116 | .062 | .019 | .109 | .059 | .018 | |
| 5.0 | .129 | .066 | .019 | .125 | .064 | .019 | .118 | .061 | .018 | .111 | .059 | .017 | .105 | .056 | .017 | |
| 6.0 | .122 | .061 | .018 | .119 | .060 | .017 | .112 | .058 | .017 | .106 | .055 | .016 | .101 | .053 | .016 | |
| 7.0 | .116 | .057 | .016 | .113 | .056 | .016 | .107 | .054 | .016 | .102 | .052 | .015 | .097 | .050 | .015 | |
| 8.0 | .111 | .054 | .015 | .108 | .053 | .015 | .103 | .051 | .015 | .098 | .050 | .014 | .094 | .048 | .014 | |
| 9.0 | .106 | .051 | .014 | .103 | .050 | .014 | .099 | .049 | .014 | .094 | .047 | .014 | .090 | .046 | .013 | |
| 10.0 | .101 | .048 | .013 | .099 | .048 | .013 | .095 | .046 | .013 | .091 | .045 | .013 | .087 | .044 | .013 | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .205 | .205 | .205 | .175 | .175 | .175 | .119 | .119 | .119 | .069 | .069 | .069 | .022 | .022 | .022 | |
| 1.0 | .185 | .172 | .160 | .158 | .148 | .138 | .108 | .102 | .095 | .062 | .059 | .055 | .020 | .019 | .018 | |
| 2.0 | .169 | .147 | .129 | .144 | .127 | .112 | .099 | .088 | .078 | .057 | .051 | .046 | .018 | .016 | .015 | |
| 3.0 | .155 | .128 | .107 | .133 | .111 | .092 | .091 | .077 | .065 | .053 | .045 | .038 | .017 | .015 | .013 | |
| 4.0 | .144 | .113 | .090 | .123 | .098 | .078 | .085 | .068 | .055 | .049 | .040 | .033 | .016 | .013 | .011 | |
| 5.0 | .134 | .101 | .077 | .115 | .088 | .067 | .079 | .061 | .047 | .046 | .036 | .028 | .015 | .012 | .009 | |
| 6.0 | .126 | .092 | .067 | .108 | .079 | .058 | .075 | .056 | .041 | .043 | .033 | .025 | .014 | .011 | .008 | |
| 7.0 | .119 | .084 | .059 | .102 | .073 | .052 | .071 | .051 | .037 | .041 | .030 | .022 | .013 | .010 | .007 | |
| 8.0 | .113 | .077 | .053 | .097 | .067 | .046 | .067 | .047 | .033 | .039 | .028 | .020 | .013 | .009 | .006 | |
| 9.0 | .108 | .072 | .048 | .093 | .063 | .042 | .064 | .044 | .030 | .037 | .026 | .018 | .012 | .009 | .006 | |
| 10.0 | .103 | .068 | .044 | .089 | .059 | .039 | .061 | .041 | .027 | .036 | .024 | .016 | .012 | .008 | .005 | |

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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

# Uncorrected UGR Table

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | 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 | -1.8 | -1.0 | -1.6 | -0.8 | -0.6 | -0.9 | -0.1 | -0.7 | 0.0 | 0.2 |
| 3H | -1.4 | -0.6 | -1.1 | -0.4 | -0.2 | -0.7 | 0.0 | -0.4 | 0.3 | 0.5 |
| 4H | -0.9 | -0.2 | -0.6 | 0.0 | 0.3 | -0.5 | 0.3 | -0.2 | 0.5 | 0.7 |
| 6H | -0.2 | 0.5 | 0.1 | 0.7 | 1.0 | -0.0 | 0.6 | 0.3 | 0.9 | 1.2 |
| 8H | 0.2 | 0.9 | 0.6 | 1.2 | 1.5 | 0.3 | 1.0 | 0.7 | 1.2 | 1.5 |
| 12H | 0.9 | 1.5 | 1.3 | 1.8 | 2.1 | 0.8 | 1.4 | 1.1 | 1.7 | 2.0 |
| 4H 2H | -2.0 | -1.3 | -1.7 | -1.0 | -0.8 | -1.1 | -0.4 | -0.8 | -0.2 | 0.1 |
| 3H | -1.5 | -0.8 | -1.1 | -0.5 | -0.2 | -0.9 | -0.2 | -0.5 | 0.1 | 0.4 |
| 4H | -0.9 | -0.3 | -0.5 | -0.0 | 0.3 | -0.5 | 0.0 | -0.1 | 0.4 | 0.7 |
| 6H | 0.0 | 0.5 | 0.4 | 0.9 | 1.3 | 0.1 | 0.6 | 0.5 | 1.0 | 1.3 |
| 8H | 0.7 | 1.1 | 1.1 | 1.5 | 1.9 | 0.6 | 1.0 | 1.0 | 1.4 | 1.8 |
| 12H | 1.6 | 2.0 | 2.0 | 2.4 | 2.9 | 1.3 | 1.7 | 1.7 | 2.1 | 2.5 |
| 8H 4H | -1.0 | -0.5 | -0.6 | -0.1 | 0.3 | -0.6 | -0.2 | -0.2 | 0.2 | 0.6 |
| 6H | 0.1 | 0.4 | 0.5 | 0.9 | 1.3 | 0.1 | 0.5 | 0.5 | 0.9 | 1.4 |
| 8H | 0.8 | 1.2 | 1.3 | 1.6 | 2.1 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0 |
| 12H | 2.0 | 2.3 | 2.5 | 2.8 | 3.3 | 1.6 | 1.9 | 2.1 | 2.4 | 2.9 |
| 12H 4H | -1.0 | -0.6 | -0.6 | -0.2 | 0.2 | -0.6 | -0.2 | -0.2 | 0.2 | 0.6 |
| 6H | 0.0 | 0.4 | 0.5 | 0.8 | 1.3 | 0.1 | 0.4 | 0.5 | 0.9 | 1.3 |
| 8H | 0.8 | 1.1 | 1.3 | 1.6 | 2.1 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 1.3 / - 1.1 | | | | | + 1.8 / - 1.5 | | | | |
| 1.5H | + 2.3 / - 1.4 | | | | | + 3.1 / - 1.9 | | | | |
| 2.0H | + 2.3 / - 1.3 | | | | | + 3.1 / - 1.7 | | | | |

CIE Pub.117 Corrected 300.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.2)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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

# UTILIZATION FACTORS TABLE

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

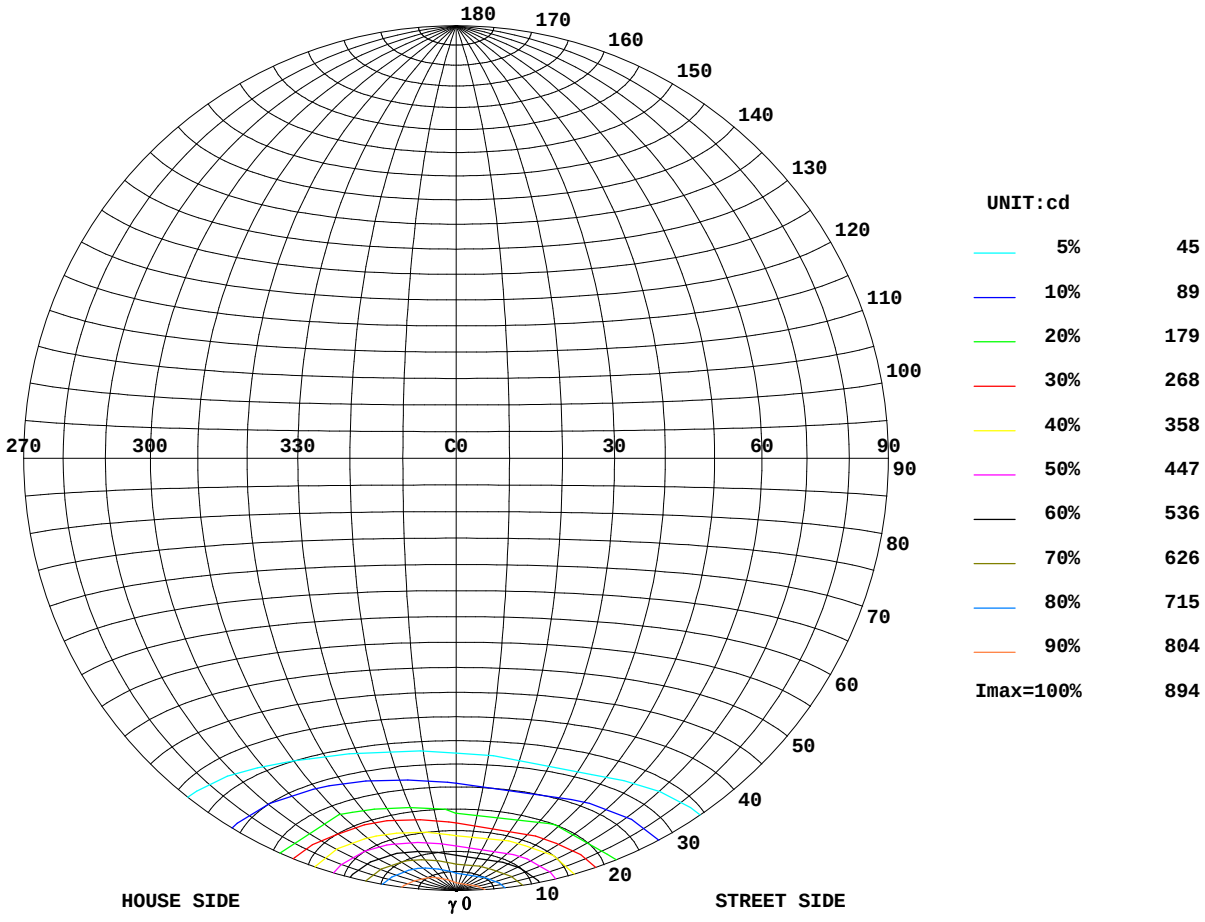
| REFLECTANCE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 86 | 79 | 76 | 85 | 79 | 76 | 85 | 79 | 75 | 72 |
| 0.80 | 93 | 87 | 84 | 93 | 87 | 83 | 91 | 86 | 83 | 79 |
| 1.00 | 98 | 92 | 88 | 97 | 92 | 88 | 95 | 91 | 87 | 83 |
| 1.25 | 102 | 97 | 93 | 101 | 96 | 93 | 99 | 95 | 92 | 87 |
| 1.50 | 105 | 100 | 96 | 103 | 99 | 96 | 101 | 97 | 94 | 90 |
| 2.00 | 107 | 103 | 100 | 106 | 102 | 99 | 103 | 100 | 97 | 92 |
| 2.50 | 109 | 105 | 102 | 107 | 104 | 101 | 104 | 101 | 99 | 93 |
| 3.00 | 111 | 107 | 104 | 109 | 106 | 103 | 105 | 103 | 101 | 94 |
| 4.00 | 113 | 110 | 108 | 111 | 108 | 106 | 107 | 105 | 103 | 95 |
| 5.00 | 114 | 112 | 110 | 112 | 110 | 108 | 108 | 106 | 105 | 97 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | | Suspended | | | | | SHRNOM = 1.25 | |

Test System:HOPOO HPG1800 Test Set: 5.0deg/s C-Gamma (TYPE C)
Temperature:25.3DEG Humidity:65.0%
Operators: Test Distance:10.000 m
Test Date:2025年07月28日 Remarks:

# ISOCANDELA DIAGRAM

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |



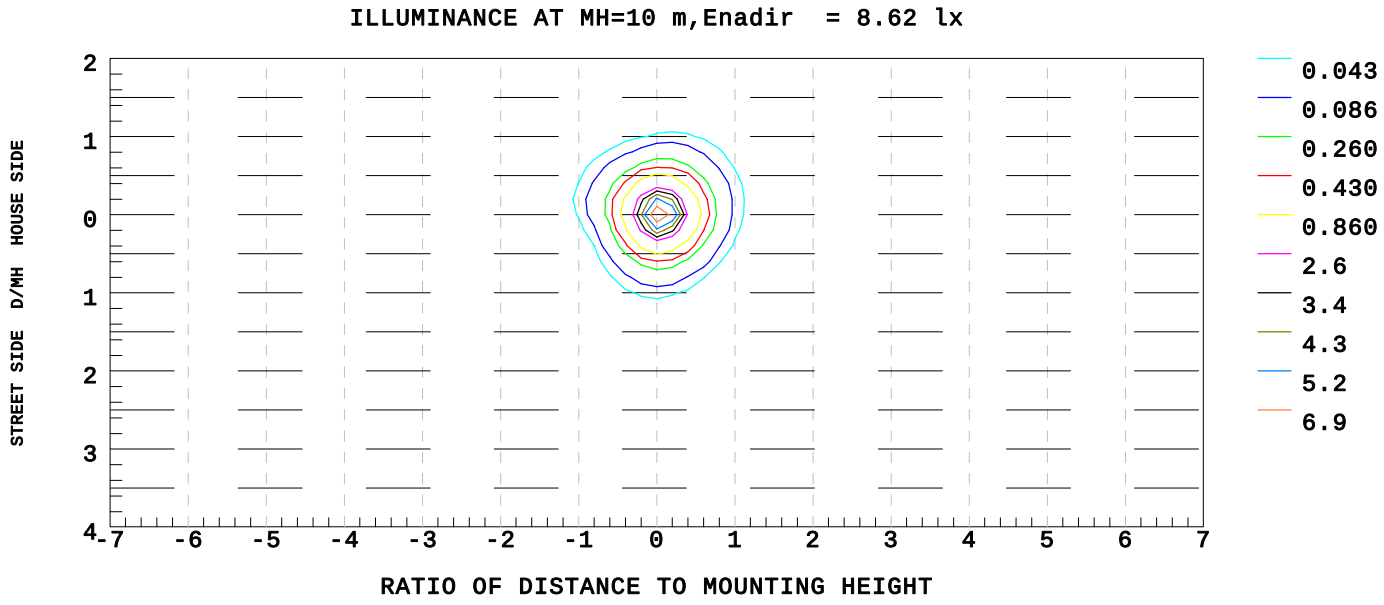

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

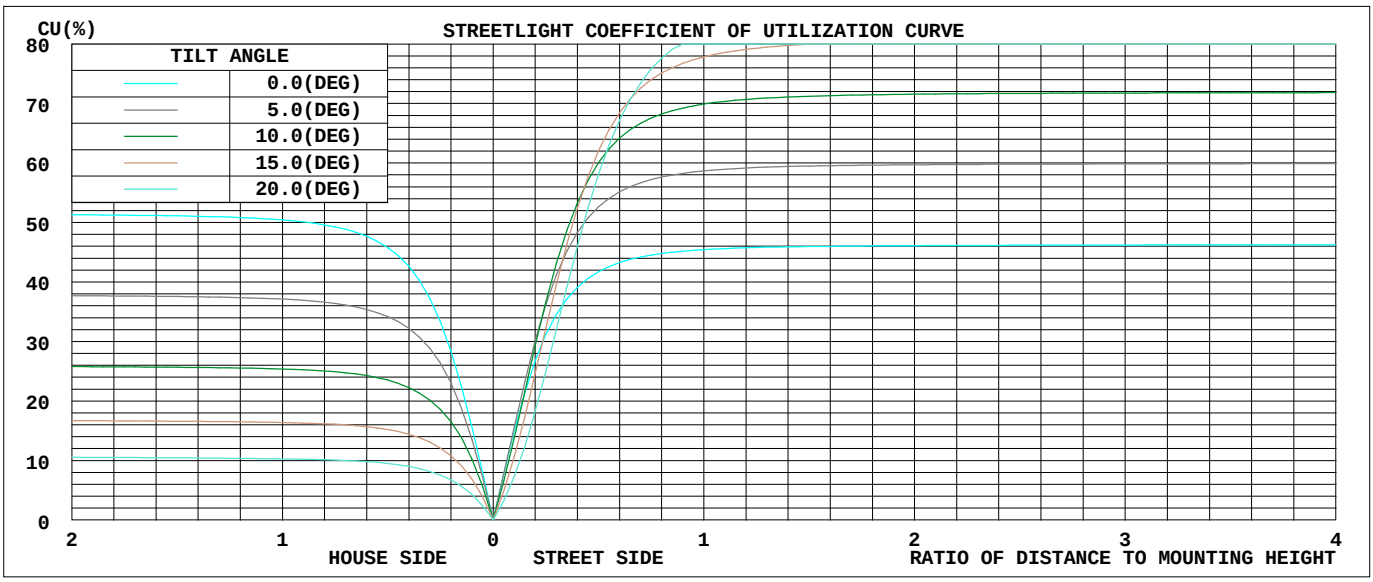
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

# ISOLUX DIAGRAM

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |



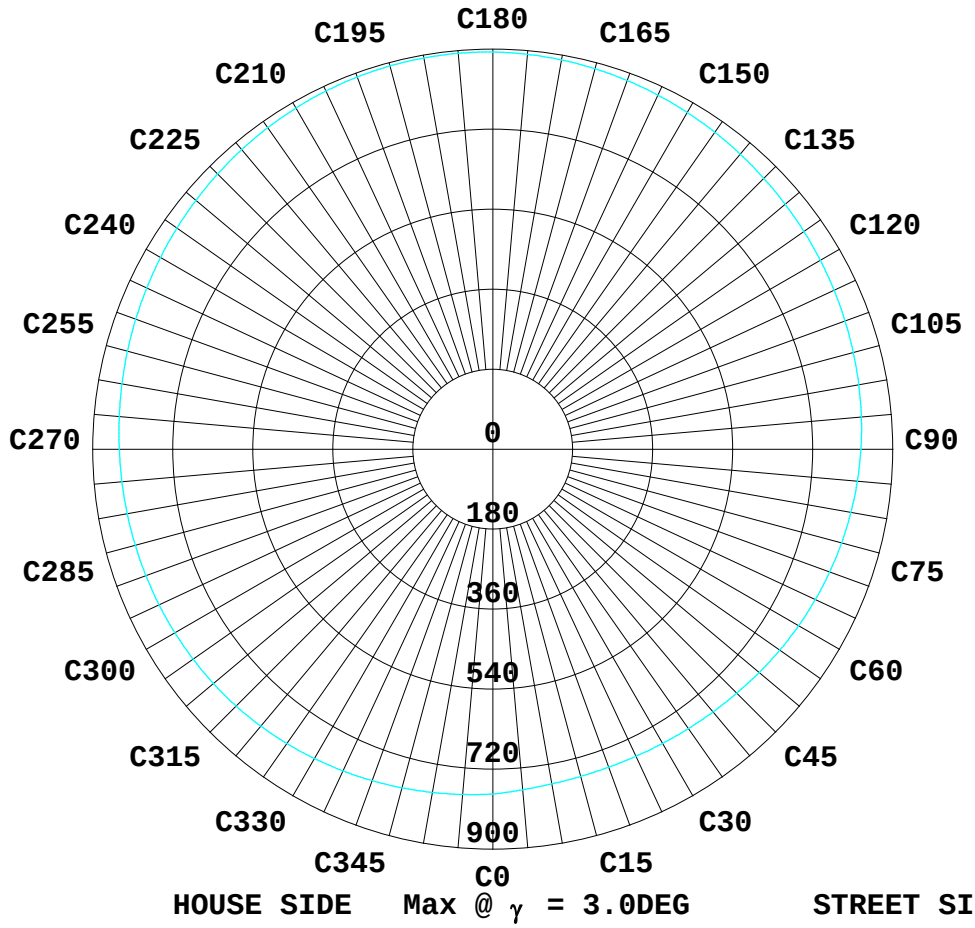

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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

# ISOCANDELA DIAGRAM

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |




Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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

# LUMINOUS DISTRIBUTION INTENSITY DATA

**Report number:**

| | | |
|---|---|---|
| **MANUFACTURER:** | | |
| **Address:** | | |
| **NAME:** | **TYPE:** | **WEIGHT:** |
| **SPECIFICATION:** | **DIMENSION:** | **SERIAL No.:** |

UNIT: cd

| H(DEG) / V(DEG) | -90 | -85 | -80 | -75 | -70 | -65 | -60 | -55 | -50 | -45 | -40 | -35 | -30 | -25 | -20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -90.0 | 0.70 | 0.63 | 0.57 | 0.50 | 0.43 | 0.37 | 0.30 | 0.23 | 0.17 | 0.10 | 0.23 | 0.37 | 0.50 | 0.63 | 0.77 |
| -85.0 | 0.70 | 0.63 | 0.57 | 0.49 | 0.40 | 0.32 | 0.25 | 0.18 | 0.09 | 0.00 | 0.16 | 0.34 | 0.51 | 0.67 | 0.82 |
| -80.0 | 0.70 | 0.63 | 0.55 | 0.51 | 0.45 | 0.36 | 0.30 | 0.26 | 0.18 | 0.11 | 0.31 | 0.49 | 0.63 | 0.80 | 1.00 |
| -75.0 | 0.70 | 0.63 | 0.59 | 0.54 | 0.45 | 0.42 | 0.36 | 0.29 | 0.24 | 0.21 | 0.37 | 0.55 | 0.64 | 0.92 | 1.16 |
| -70.0 | 0.70 | 0.63 | 0.63 | 0.52 | 0.51 | 0.44 | 0.41 | 0.40 | 0.27 | 0.32 | 0.42 | 0.60 | 0.78 | 1.00 | 1.27 |
| -65.0 | 0.70 | 0.64 | 0.63 | 0.59 | 0.50 | 0.51 | 0.51 | 0.47 | 0.40 | 0.34 | 0.39 | 0.72 | 0.98 | 1.24 | 1.54 |
| -60.0 | 0.70 | 0.68 | 0.59 | 0.58 | 0.56 | 0.59 | 0.55 | 0.50 | 0.44 | 0.53 | 0.49 | 0.81 | 1.21 | 1.66 | 2.09 |
| -55.0 | 0.70 | 0.71 | 0.65 | 0.59 | 0.65 | 0.62 | 0.59 | 0.56 | 0.61 | 0.61 | 0.73 | 1.22 | 2.05 | 2.81 | 3.49 |
| -50.0 | 0.70 | 0.73 | 0.68 | 0.63 | 0.64 | 0.64 | 0.63 | 0.71 | 0.82 | 1.05 | 1.56 | 2.35 | 3.35 | 4.64 | 5.78 |
| -45.0 | 0.70 | 0.74 | 0.69 | 0.70 | 0.71 | 0.72 | 0.79 | 0.87 | 1.19 | 1.91 | 2.69 | 3.85 | 5.53 | 7.33 | 9.37 |
| -40.0 | 0.70 | 0.74 | 0.65 | 0.76 | 0.72 | 0.74 | 0.86 | 1.12 | 1.88 | 2.93 | 4.45 | 6.06 | 8.27 | 11.5 | 15.2 |
| -35.0 | 0.70 | 0.74 | 0.65 | 0.77 | 0.76 | 0.88 | 1.05 | 1.62 | 2.73 | 4.40 | 6.56 | 9.28 | 12.9 | 19.1 | 26.8 |
| -30.0 | 0.70 | 0.73 | 0.69 | 0.77 | 0.84 | 0.94 | 1.25 | 2.19 | 3.79 | 6.15 | 9.43 | 14.1 | 21.8 | 31.5 | 42.3 |
| -25.0 | 0.70 | 0.71 | 0.73 | 0.80 | 0.86 | 1.01 | 1.51 | 2.81 | 4.95 | 8.18 | 13.1 | 21.1 | 33.3 | 47.7 | 66.4 |
| -20.0 | 0.70 | 0.71 | 0.75 | 0.83 | 0.89 | 1.12 | 1.90 | 3.45 | 6.18 | 10.7 | 17.6 | 30.1 | 46.9 | 70.8 | 103 |
| -15.0 | 0.70 | 0.70 | 0.76 | 0.85 | 0.95 | 1.27 | 2.16 | 4.12 | 7.44 | 13.3 | 22.7 | 38.9 | 63.3 | 100 | 154 |
| -10.0 | 0.70 | 0.70 | 0.78 | 0.86 | 1.01 | 1.37 | 2.41 | 4.64 | 8.58 | 15.5 | 27.8 | 47.4 | 80.2 | 134 | 231 |
| -5.0 | 0.70 | 0.70 | 0.79 | 0.88 | 1.06 | 1.44 | 2.59 | 4.99 | 9.48 | 17.4 | 31.2 | 54.9 | 95.4 | 165 | 296 |
| 0.0 | 0.70 | 0.70 | 0.80 | 0.90 | 1.10 | 1.50 | 2.70 | 5.20 | 10.0 | 18.6 | 33.0 | 59.2 | 104 | 182 | 339 |
| 5.0 | 0.70 | 0.71 | 0.82 | 0.94 | 1.16 | 1.59 | 2.83 | 5.41 | 10.1 | 18.6 | 32.7 | 57.4 | 99.1 | 172 | 317 |
| 10.0 | 0.70 | 0.73 | 0.85 | 0.98 | 1.20 | 1.66 | 2.89 | 5.44 | 9.91 | 17.7 | 30.6 | 52.1 | 87.3 | 146 | 271 |
| 15.0 | 0.70 | 0.75 | 0.87 | 1.01 | 1.23 | 1.70 | 2.87 | 5.24 | 9.26 | 16.2 | 27.2 | 45.2 | 72.7 | 114 | 179 |
| 20.0 | 0.70 | 0.77 | 0.89 | 1.05 | 1.26 | 1.66 | 2.80 | 4.80 | 8.34 | 14.2 | 23.0 | 37.1 | 57.8 | 86.0 | 123 |
| 25.0 | 0.70 | 0.79 | 0.90 | 1.08 | 1.31 | 1.65 | 2.51 | 4.30 | 7.38 | 12.0 | 19.0 | 29.2 | 44.1 | 63.1 | 83.9 |
| 30.0 | 0.70 | 0.82 | 0.90 | 1.11 | 1.34 | 1.67 | 2.34 | 3.79 | 6.29 | 9.92 | 15.1 | 22.3 | 32.1 | 44.3 | 55.1 |
| 35.0 | 0.70 | 0.85 | 0.88 | 1.13 | 1.32 | 1.67 | 2.20 | 3.37 | 5.10 | 8.06 | 11.8 | 16.8 | 23.2 | 29.1 | 35.2 |
| 40.0 | 0.70 | 0.87 | 0.91 | 1.16 | 1.31 | 1.62 | 2.03 | 2.80 | 4.25 | 6.27 | 9.18 | 12.6 | 15.9 | 19.0 | 21.9 |
| 45.0 | 0.70 | 0.87 | 0.96 | 1.14 | 1.31 | 1.62 | 1.97 | 2.49 | 3.44 | 4.81 | 6.79 | 9.32 | 10.7 | 12.2 | 13.5 |
| 50.0 | 0.70 | 0.88 | 0.97 | 1.09 | 1.33 | 1.54 | 1.88 | 2.29 | 2.88 | 3.81 | 5.09 | 6.13 | 7.04 | 7.77 | 8.16 |
| 55.0 | 0.70 | 0.88 | 0.95 | 1.08 | 1.34 | 1.50 | 1.81 | 2.14 | 2.54 | 3.04 | 3.79 | 4.25 | 4.46 | 4.67 | 4.77 |
| 60.0 | 0.70 | 0.84 | 0.89 | 1.08 | 1.26 | 1.49 | 1.69 | 2.00 | 2.33 | 2.70 | 3.00 | 2.96 | 2.94 | 2.92 | 2.83 |
| 65.0 | 0.70 | 0.80 | 0.96 | 1.10 | 1.23 | 1.43 | 1.64 | 1.83 | 2.12 | 2.44 | 2.57 | 2.42 | 2.23 | 2.04 | 1.78 |
| 70.0 | 0.70 | 0.79 | 1.00 | 1.02 | 1.21 | 1.38 | 1.54 | 1.78 | 1.97 | 2.14 | 2.17 | 2.02 | 1.85 | 1.65 | 1.45 |
| 75.0 | 0.70 | 0.80 | 0.96 | 1.09 | 1.13 | 1.33 | 1.48 | 1.65 | 1.80 | 2.02 | 1.93 | 1.75 | 1.57 | 1.36 | 1.17 |
| 80.0 | 0.70 | 0.80 | 0.90 | 1.07 | 1.22 | 1.28 | 1.35 | 1.54 | 1.67 | 1.80 | 1.75 | 1.60 | 1.37 | 1.16 | 1.00 |
| 85.0 | 0.70 | 0.80 | 0.90 | 1.00 | 1.09 | 1.21 | 1.38 | 1.55 | 1.66 | 1.74 | 1.56 | 1.38 | 1.21 | 1.03 | 0.85 |
| 90.0 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.43 | 1.26 | 1.10 | 0.93 | 0.77 |

**Test System:HOPOO HPG1800** **Test Set: 5.0deg/s C-Gamma (TYPE C)**
**Temperature:25.3DEG** **Humidity:65.0%**
**Operators:** **Test Distance:10.000 m**
**Test Date:2025年07月28日** **Remarks:**

# LUMINOUS DISTRIBUTION INTENSITY DATA

**Report number:**

| | | |
|---|---|---|
| **MANUFACTURER:** | | |
| **Address:** | | |
| **NAME:** | **TYPE:** | **WEIGHT:** |
| **SPECIFICATION:** | **DIMENSION:** | **SERIAL No.:** |

UNIT: cd

| H(DEG) / V(DEG) | -15 | -10 | -5 | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -90.0 | 0.90 | 1.03 | 1.16 | 1.30 | 1.17 | 1.05 | 0.93 | 0.81 | 0.69 | 0.57 | 0.44 | 0.32 | 0.20 | 0.36 | 0.51 |
| -85.0 | 0.97 | 1.11 | 1.25 | 1.40 | 1.27 | 1.15 | 1.03 | 0.91 | 0.78 | 0.64 | 0.49 | 0.34 | 0.20 | 0.38 | 0.57 |
| -80.0 | 1.18 | 1.35 | 1.53 | 1.70 | 1.54 | 1.38 | 1.21 | 1.04 | 0.86 | 0.70 | 0.57 | 0.40 | 0.22 | 0.45 | 0.65 |
| -75.0 | 1.34 | 1.53 | 1.71 | 1.90 | 1.72 | 1.55 | 1.38 | 1.21 | 1.00 | 0.77 | 0.59 | 0.43 | 0.34 | 0.48 | 0.64 |
| -70.0 | 1.53 | 1.76 | 1.98 | 2.20 | 1.98 | 1.78 | 1.58 | 1.36 | 1.06 | 0.91 | 0.70 | 0.51 | 0.47 | 0.57 | 0.73 |
| -65.0 | 1.83 | 2.11 | 2.36 | 2.60 | 2.35 | 2.12 | 1.90 | 1.58 | 1.27 | 1.01 | 0.72 | 0.57 | 0.58 | 0.72 | 0.90 |
| -60.0 | 2.56 | 3.02 | 3.40 | 3.70 | 3.33 | 2.91 | 2.46 | 2.03 | 1.54 | 1.13 | 0.94 | 0.54 | 0.66 | 0.86 | 1.02 |
| -55.0 | 4.12 | 4.76 | 5.38 | 5.80 | 5.22 | 4.47 | 3.76 | 3.10 | 2.28 | 1.63 | 1.13 | 0.64 | 0.95 | 0.98 | 1.13 |
| -50.0 | 7.02 | 8.04 | 8.98 | 9.60 | 8.70 | 7.51 | 6.27 | 4.91 | 3.67 | 2.58 | 1.59 | 1.18 | 1.10 | 1.25 | 1.26 |
| -45.0 | 11.4 | 13.2 | 14.7 | 15.5 | 14.1 | 12.2 | 10.1 | 8.02 | 5.86 | 4.09 | 2.54 | 2.07 | 1.59 | 1.46 | 1.55 |
| -40.0 | 19.2 | 22.7 | 24.7 | 25.2 | 23.0 | 19.8 | 16.0 | 12.2 | 9.01 | 6.21 | 4.29 | 3.13 | 2.45 | 1.90 | 1.71 |
| -35.0 | 32.9 | 38.0 | 41.2 | 41.9 | 38.1 | 32.4 | 25.9 | 19.2 | 13.3 | 8.98 | 6.77 | 4.81 | 3.38 | 2.46 | 2.03 |
| -30.0 | 53.9 | 63.7 | 70.8 | 72.2 | 64.8 | 53.0 | 40.8 | 29.6 | 20.1 | 13.8 | 9.90 | 6.94 | 4.74 | 3.28 | 2.39 |
| -25.0 | 88.1 | 109 | 124 | 126 | 112 | 89.0 | 65.2 | 44.2 | 29.9 | 20.7 | 13.8 | 9.43 | 6.17 | 4.07 | 2.81 |
| -20.0 | 143 | 185 | 217 | 241 | 193 | 149 | 102 | 67.1 | 43.7 | 28.9 | 18.9 | 12.1 | 7.93 | 5.03 | 3.38 |
| -15.0 | 224 | 321 | 379 | 389 | 338 | 237 | 154 | 97.7 | 60.9 | 37.7 | 24.1 | 15.1 | 9.59 | 6.00 | 3.90 |
| -10.0 | 350 | 469 | 568 | 580 | 492 | 357 | 224 | 133 | 78.3 | 46.7 | 28.9 | 17.9 | 11.1 | 6.76 | 4.33 |
| -5.0 | 456 | 629 | 757 | 770 | 627 | 459 | 300 | 161 | 91.9 | 54.0 | 32.5 | 20.0 | 12.4 | 7.46 | 4.66 |
| 0.0 | 523 | 727 | 882 | 862 | 699 | 495 | 318 | 172 | 97.0 | 57.2 | 34.4 | 21.2 | 13.2 | 7.90 | 4.90 |
| 5.0 | 483 | 669 | 809 | 795 | 681 | 488 | 315 | 173 | 96.6 | 56.7 | 34.4 | 21.1 | 13.1 | 7.88 | 4.90 |
| 10.0 | 397 | 539 | 623 | 617 | 537 | 401 | 269 | 149 | 86.4 | 52.2 | 32.4 | 20.0 | 12.4 | 7.56 | 4.81 |
| 15.0 | 294 | 376 | 423 | 420 | 370 | 288 | 179 | 115 | 70.6 | 45.2 | 28.7 | 18.0 | 11.3 | 7.11 | 4.57 |
| 20.0 | 171 | 232 | 249 | 235 | 214 | 170 | 123 | 81.7 | 55.4 | 36.9 | 23.9 | 15.4 | 10.0 | 6.40 | 4.19 |
| 25.0 | 105 | 127 | 139 | 135 | 124 | 103 | 78.0 | 57.8 | 41.4 | 28.4 | 19.2 | 12.9 | 8.48 | 5.57 | 3.78 |
| 30.0 | 65.7 | 74.7 | 79.2 | 77.5 | 72.0 | 62.1 | 50.3 | 39.1 | 29.1 | 20.9 | 14.8 | 10.3 | 7.08 | 4.81 | 3.41 |
| 35.0 | 40.4 | 43.8 | 44.7 | 42.5 | 40.8 | 36.6 | 31.2 | 25.1 | 19.8 | 15.1 | 11.2 | 8.00 | 5.61 | 3.98 | 3.15 |
| 40.0 | 24.3 | 25.6 | 25.7 | 24.1 | 23.5 | 21.7 | 19.0 | 16.1 | 13.3 | 10.7 | 8.23 | 6.10 | 4.41 | 3.38 | 2.95 |
| 45.0 | 14.6 | 15.0 | 14.8 | 13.7 | 13.6 | 12.7 | 11.5 | 10.1 | 8.55 | 7.22 | 5.86 | 4.47 | 3.47 | 3.10 | 2.67 |
| 50.0 | 8.48 | 8.35 | 7.82 | 6.90 | 7.09 | 6.98 | 6.61 | 6.02 | 5.32 | 4.68 | 3.98 | 3.39 | 3.10 | 2.72 | 2.47 |
| 55.0 | 4.77 | 4.51 | 4.00 | 3.30 | 3.55 | 3.67 | 3.63 | 3.41 | 3.20 | 2.99 | 2.98 | 2.91 | 2.62 | 2.45 | 2.27 |
| 60.0 | 2.65 | 2.30 | 1.88 | 1.40 | 1.64 | 1.83 | 1.98 | 2.11 | 2.23 | 2.29 | 2.34 | 2.51 | 2.29 | 2.21 | 2.06 |
| 65.0 | 1.48 | 1.24 | 0.95 | 0.60 | 0.85 | 1.05 | 1.22 | 1.50 | 1.74 | 1.83 | 1.92 | 2.10 | 2.05 | 1.96 | 1.98 |
| 70.0 | 1.22 | 0.96 | 0.68 | 0.40 | 0.61 | 0.83 | 1.03 | 1.22 | 1.36 | 1.50 | 1.61 | 1.78 | 1.91 | 1.81 | 1.71 |
| 75.0 | 0.97 | 0.75 | 0.53 | 0.30 | 0.48 | 0.67 | 0.85 | 1.03 | 1.17 | 1.29 | 1.43 | 1.51 | 1.60 | 1.68 | 1.70 |
| 80.0 | 0.84 | 0.67 | 0.49 | 0.30 | 0.44 | 0.58 | 0.73 | 0.88 | 1.04 | 1.18 | 1.31 | 1.42 | 1.50 | 1.53 | 1.54 |
| 85.0 | 0.66 | 0.47 | 0.28 | 0.10 | 0.25 | 0.40 | 0.56 | 0.73 | 0.89 | 1.05 | 1.22 | 1.35 | 1.45 | 1.46 | 1.47 |
| 90.0 | 0.60 | 0.43 | 0.27 | 0.10 | 0.23 | 0.37 | 0.50 | 0.63 | 0.77 | 0.90 | 1.03 | 1.16 | 1.30 | 1.33 | 1.36 |

**Test System:HOPOO HPG1800** **Test Set: 5.0deg/s C-Gamma (TYPE C)**
**Temperature:25.3DEG** **Humidity:65.0%**
**Operators:** **Test Distance:10.000 m**
**Test Date:2025年07月28日** **Remarks:**

# LUMINOUS DISTRIBUTION INTENSITY DATA

**Report number:**

| | | |
|---|---|---|
| **MANUFACTURER:** | | |
| **Address:** | | |
| **NAME:** | **TYPE:** | **WEIGHT:** |
| **SPECIFICATION:** | **DIMENSION:** | **SERIAL No.:** |

UNIT: cd

| H(DEG) / V(DEG) | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|---|---|---|---|---|---|---|---|
| -90.0 | 0.67 | 0.82 | 0.98 | 1.13 | 1.28 | 1.44 | 1.60 |
| -85.0 | 0.77 | 0.96 | 1.11 | 1.25 | 1.37 | 1.48 | 1.60 |
| -80.0 | 0.81 | 0.90 | 1.07 | 1.28 | 1.45 | 1.53 | 1.60 |
| -75.0 | 0.79 | 0.98 | 1.15 | 1.22 | 1.46 | 1.57 | 1.60 |
| -70.0 | 0.91 | 1.00 | 1.14 | 1.32 | 1.43 | 1.61 | 1.60 |
| -65.0 | 1.00 | 1.12 | 1.19 | 1.33 | 1.41 | 1.64 | 1.60 |
| -60.0 | 1.11 | 1.22 | 1.32 | 1.34 | 1.50 | 1.65 | 1.60 |
| -55.0 | 1.26 | 1.36 | 1.34 | 1.41 | 1.52 | 1.65 | 1.60 |
| -50.0 | 1.37 | 1.44 | 1.47 | 1.51 | 1.53 | 1.64 | 1.60 |
| -45.0 | 1.49 | 1.57 | 1.62 | 1.55 | 1.54 | 1.62 | 1.60 |
| -40.0 | 1.67 | 1.69 | 1.62 | 1.62 | 1.57 | 1.60 | 1.60 |
| -35.0 | 1.94 | 1.80 | 1.80 | 1.75 | 1.62 | 1.61 | 1.60 |
| -30.0 | 2.11 | 1.94 | 1.89 | 1.79 | 1.68 | 1.64 | 1.60 |
| -25.0 | 2.36 | 2.11 | 2.01 | 1.89 | 1.74 | 1.68 | 1.60 |
| -20.0 | 2.55 | 2.30 | 2.09 | 1.98 | 1.80 | 1.71 | 1.60 |
| -15.0 | 2.84 | 2.48 | 2.19 | 1.99 | 1.86 | 1.73 | 1.60 |
| -10.0 | 3.05 | 2.63 | 2.30 | 2.02 | 1.91 | 1.76 | 1.60 |
| -5.0 | 3.24 | 2.77 | 2.40 | 2.05 | 1.96 | 1.78 | 1.60 |
| 0.0 | 3.40 | 2.90 | 2.50 | 2.10 | 2.00 | 1.80 | 1.60 |
| 5.0 | 3.39 | 2.88 | 2.48 | 2.09 | 1.98 | 1.79 | 1.60 |
| 10.0 | 3.35 | 2.84 | 2.44 | 2.11 | 1.97 | 1.78 | 1.60 |
| 15.0 | 3.27 | 2.78 | 2.40 | 2.13 | 1.94 | 1.77 | 1.60 |
| 20.0 | 3.12 | 2.71 | 2.36 | 2.15 | 1.91 | 1.75 | 1.60 |
| 25.0 | 3.09 | 2.62 | 2.34 | 2.11 | 1.88 | 1.73 | 1.60 |
| 30.0 | 2.93 | 2.50 | 2.25 | 2.04 | 1.84 | 1.71 | 1.60 |
| 35.0 | 2.74 | 2.40 | 2.20 | 2.02 | 1.79 | 1.69 | 1.60 |
| 40.0 | 2.60 | 2.32 | 2.06 | 1.91 | 1.76 | 1.70 | 1.60 |
| 45.0 | 2.38 | 2.21 | 2.10 | 1.86 | 1.75 | 1.72 | 1.60 |
| 50.0 | 2.28 | 2.09 | 1.98 | 1.87 | 1.74 | 1.74 | 1.60 |
| 55.0 | 2.11 | 2.05 | 1.84 | 1.79 | 1.74 | 1.76 | 1.60 |
| 60.0 | 2.00 | 1.91 | 1.84 | 1.72 | 1.72 | 1.75 | 1.60 |
| 65.0 | 1.86 | 1.78 | 1.74 | 1.70 | 1.67 | 1.75 | 1.60 |
| 70.0 | 1.75 | 1.72 | 1.67 | 1.67 | 1.69 | 1.71 | 1.60 |
| 75.0 | 1.63 | 1.63 | 1.63 | 1.64 | 1.70 | 1.67 | 1.60 |
| 80.0 | 1.53 | 1.58 | 1.61 | 1.65 | 1.66 | 1.63 | 1.60 |
| 85.0 | 1.50 | 1.52 | 1.54 | 1.56 | 1.58 | 1.60 | 1.60 |
| 90.0 | 1.40 | 1.43 | 1.46 | 1.50 | 1.53 | 1.56 | 1.60 |

**Test System:HOPOO HPG1800** **Test Set: 5.0deg/s C-Gamma (TYPE C)**
**Temperature:25.3DEG** **Humidity:65.0%**
**Operators:** **Test Distance:10.000 m**
**Test Date:2025年07月28日** **Remarks:**