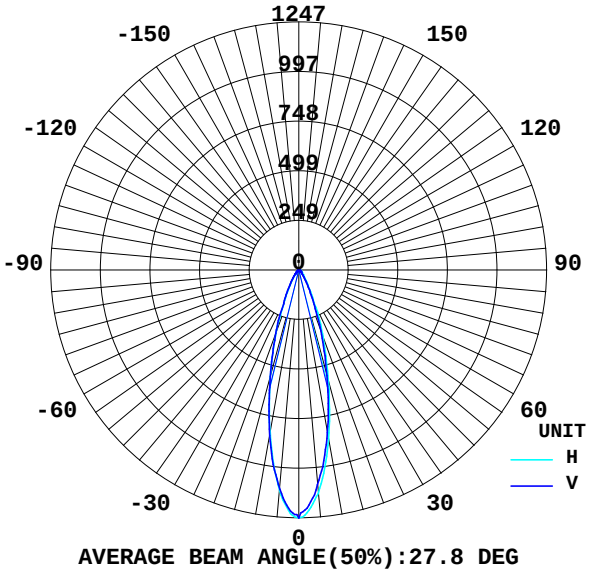
# LUMINAIRE PHOTOMETRIC TEST REPORT

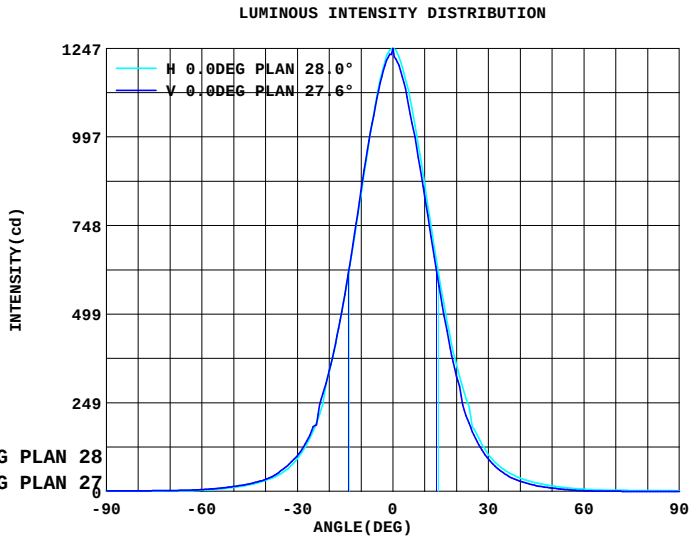
Report number:

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

| | | | | | |
|---|---|---|---|---|---|
| MODEL: | | | | | |
| NOMINAL POWER(W): | 9 | Imax(cd): | 1249 | Voltage(V) | 24.01 |
| RATED VOLTAGE(V): | 24 | AVAILABILITY(%): | 80.5 | Current(A) | 0.386 |
| NOMINAL FLUX(lm): | 405 | Avai. FLUX(lm): | 326.3 | Power(W) | 9.290 |
| TEST FLUX(lm): | 405 | EFFICIENCY(%): | 100.0 | Power Factor(PF) | 1.000 |
| LAMPS QUANTITY : | 1 | TOTAL FLUX(lm): | 405.2 | EFFICIENCY(lm/W) | 43.6 |
| Effictive Flux(lm) : | 326.3 | θ @50%(H, V): | 27.9,27.7DEG | EEI: | 0.291 |




AVERAGE BEAM ANGLE(50%):27.8 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:

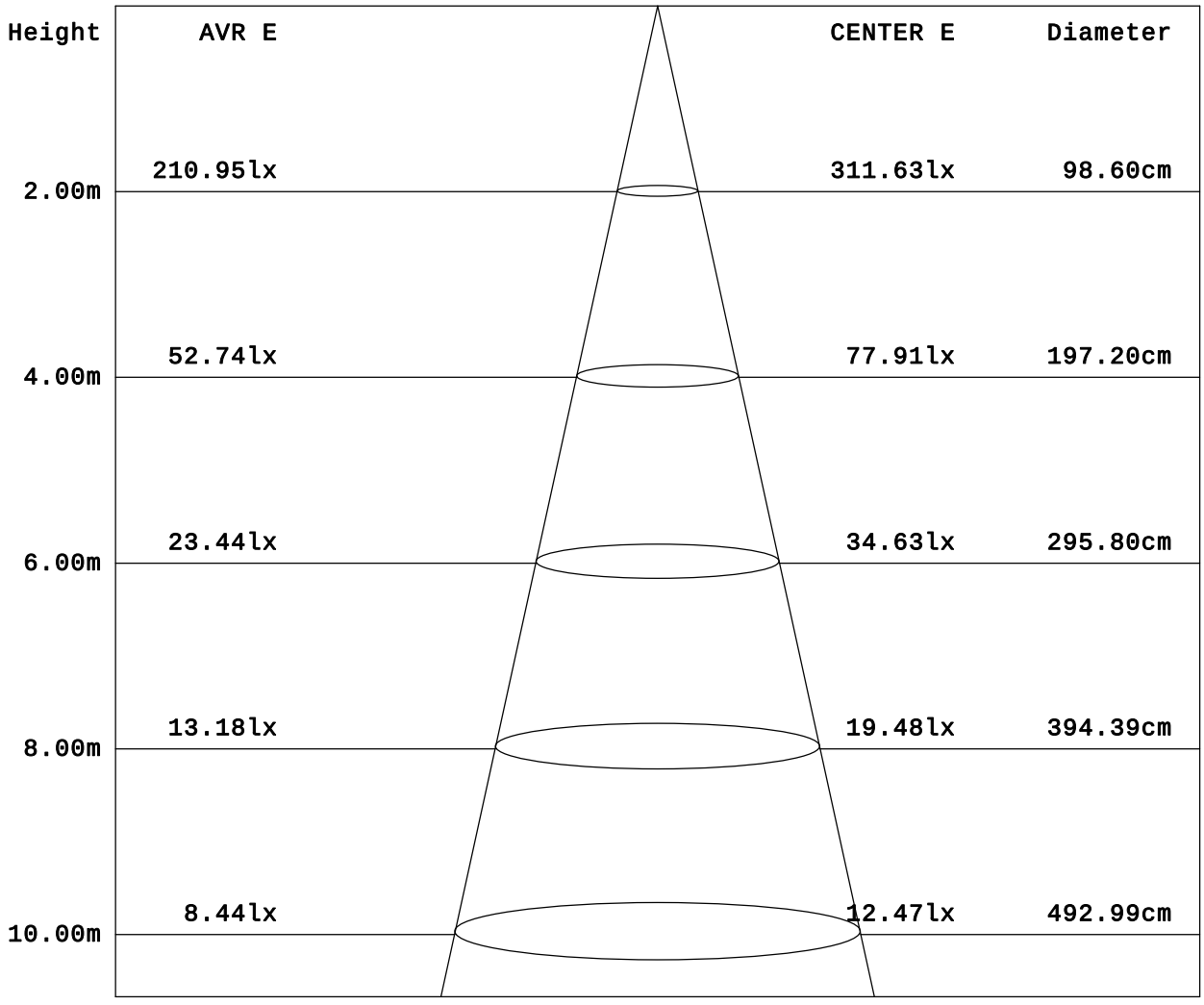
| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

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:27.7deg

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 | 0.03 | 0.05 | 0.06 | 0.08 | 0.11 | 0.13 | 0.15 | 0.16 | 0.17 | 0.17 | 0.18 | 0.17 | 0.16 | 0.14 | 0.11 | 0.09 | 0.07 | 0.05 | 2.06 | 0.00 |
| 40 | 0.04 | 0.06 | 0.09 | 0.13 | 0.16 | 0.20 | 0.24 | 0.27 | 0.29 | 0.30 | 0.30 | 0.28 | 0.25 | 0.21 | 0.17 | 0.13 | 0.09 | 0.06 | 3.28 | 0.00 |
| 35 | 0.06 | 0.09 | 0.13 | 0.18 | 0.24 | 0.32 | 0.40 | 0.47 | 0.51 | 0.53 | 0.53 | 0.48 | 0.40 | 0.32 | 0.25 | 0.18 | 0.12 | 0.08 | 5.28 | 0.00 |
| 30 | 0.07 | 0.11 | 0.17 | 0.25 | 0.36 | 0.51 | 0.68 | 0.84 | 0.94 | 0.98 | 0.95 | 0.83 | 0.66 | 0.49 | 0.35 | 0.23 | 0.15 | 0.10 | 8.67 | 2.15 |
| 25 | 0.09 | 0.14 | 0.22 | 0.35 | 0.54 | 0.82 | 1.16 | 1.52 | 1.76 | 1.85 | 1.77 | 1.47 | 1.08 | 0.74 | 0.47 | 0.30 | 0.19 | 0.12 | 14.6 | 10.7 |
| 20 | 0.10 | 0.17 | 0.28 | 0.48 | 0.79 | 1.29 | 2.00 | 2.70 | 3.16 | 3.31 | 3.09 | 2.53 | 1.79 | 1.05 | 0.62 | 0.37 | 0.23 | 0.14 | 24.1 | 21.0 |
| 15 | 0.12 | 0.20 | 0.35 | 0.62 | 1.10 | 1.97 | 3.02 | 4.18 | 5.05 | 5.28 | 4.81 | 3.75 | 2.52 | 1.44 | 0.78 | 0.44 | 0.26 | 0.15 | 36.0 | 33.3 |
| | 0.13 | 0.23 | 0.40 | 0.76 | 1.43 | 2.63 | 4.13 | 5.83 | 7.08 | 7.40 | 6.61 | 4.80 | 3.07 | 1.79 | 0.91 | 0.49 | 0.28 | 0.16 | 48.1 | 45.6 |
| | 0.14 | 0.24 | 0.44 | 0.84 | 1.65 | 3.08 | 4.94 | 7.08 | 8.63 | 8.89 | 7.51 | 5.32 | 3.34 | 1.95 | 0.97 | 0.51 | 0.29 | 0.17 | 56.0 | 53.7 |
| | 0.13 | 0.24 | 0.43 | 0.83 | 1.62 | 3.05 | 4.86 | 6.89 | 8.47 | 8.93 | 7.43 | 5.25 | 3.28 | 1.90 | 0.95 | 0.50 | 0.29 | 0.17 | 55.2 | 52.7 |
| | 0.12 | 0.22 | 0.39 | 0.73 | 1.36 | 2.53 | 3.94 | 5.48 | 6.97 | 7.41 | 6.40 | 4.57 | 2.89 | 1.65 | 0.85 | 0.46 | 0.26 | 0.15 | 46.4 | 43.9 |
| -15 | 0.11 | 0.19 | 0.33 | 0.58 | 1.03 | 1.79 | 2.82 | 4.00 | 5.00 | 5.24 | 4.59 | 3.43 | 2.24 | 1.26 | 0.69 | 0.39 | 0.23 | 0.14 | 34.1 | 31.4 |
| -20 | 0.09 | 0.16 | 0.27 | 0.43 | 0.72 | 1.15 | 1.84 | 2.62 | 3.19 | 3.31 | 2.94 | 2.26 | 1.48 | 0.89 | 0.53 | 0.32 | 0.19 | 0.12 | 22.5 | 19.3 |
| -25 | 0.08 | 0.13 | 0.20 | 0.32 | 0.47 | 0.74 | 1.10 | 1.51 | 1.84 | 1.90 | 1.68 | 1.29 | 0.91 | 0.59 | 0.38 | 0.24 | 0.15 | 0.09 | 13.6 | 9.77 |
| -30 | 0.06 | 0.10 | 0.15 | 0.22 | 0.33 | 0.47 | 0.66 | 0.85 | 0.99 | 1.01 | 0.92 | 0.75 | 0.56 | 0.39 | 0.26 | 0.17 | 0.11 | 0.07 | 8.07 | 2.14 |
| -35 | 0.04 | 0.07 | 0.11 | 0.15 | 0.22 | 0.31 | 0.41 | 0.50 | 0.57 | 0.58 | 0.53 | 0.44 | 0.34 | 0.25 | 0.17 | 0.12 | 0.08 | 0.06 | 4.95 | 0.00 |
| -40 | 0.03 | 0.05 | 0.07 | 0.11 | 0.15 | 0.20 | 0.25 | 0.29 | 0.33 | 0.33 | 0.30 | 0.26 | 0.21 | 0.16 | 0.12 | 0.08 | 0.06 | 0.04 | 3.03 | 0.00 |
| -45 | 0.02 | 0.03 | 0.05 | 0.07 | 0.10 | 0.13 | 0.16 | 0.18 | 0.20 | 0.20 | 0.19 | 0.16 | 0.13 | 0.10 | 0.08 | 0.05 | 0.04 | 0.02 | 1.90 | 0.00 |
| HORIZONTAL(DEG) | | | | | | | | | | | | | | | | | | | | |
| Φ t | 1.46 | 2.47 | 4.13 | 7.12 | 12.4 | 21.3 | 32.7 | 45.4 | 55.1 | 57.7 | 50.7 | 38.0 | 25.3 | 15.3 | 8.65 | 5.08 | 3.08 | 1.88 | 405 | |
| Φ a | 0.00 | 0.00 | 0.00 | 1.28 | 8.28 | 17.7 | 29.5 | 42.4 | 52.2 | 54.8 | 47.8 | 35.0 | 22.1 | 11.5 | 3.02 | 0.00 | 0.00 | 0.00 | | 326 |

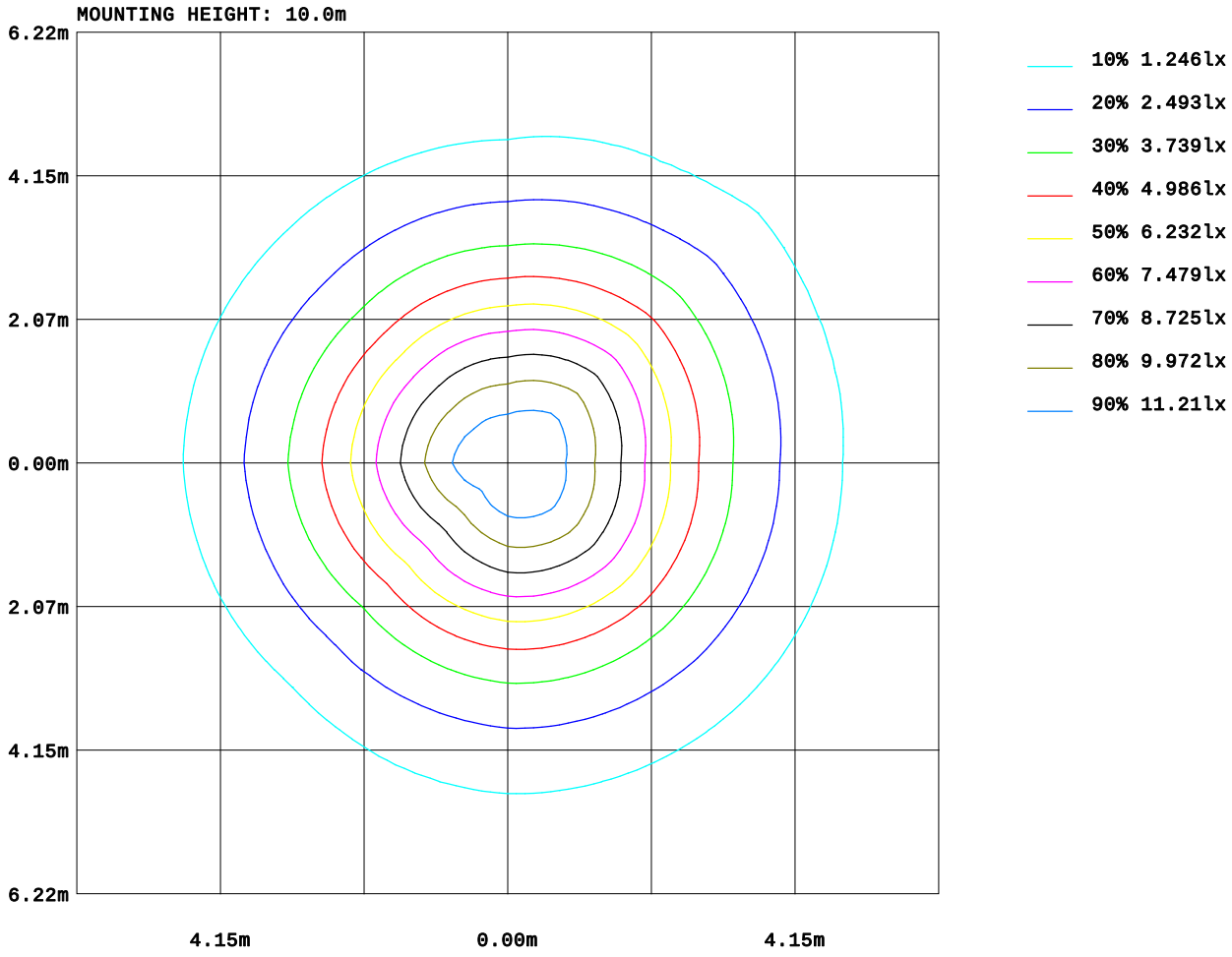
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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.: |



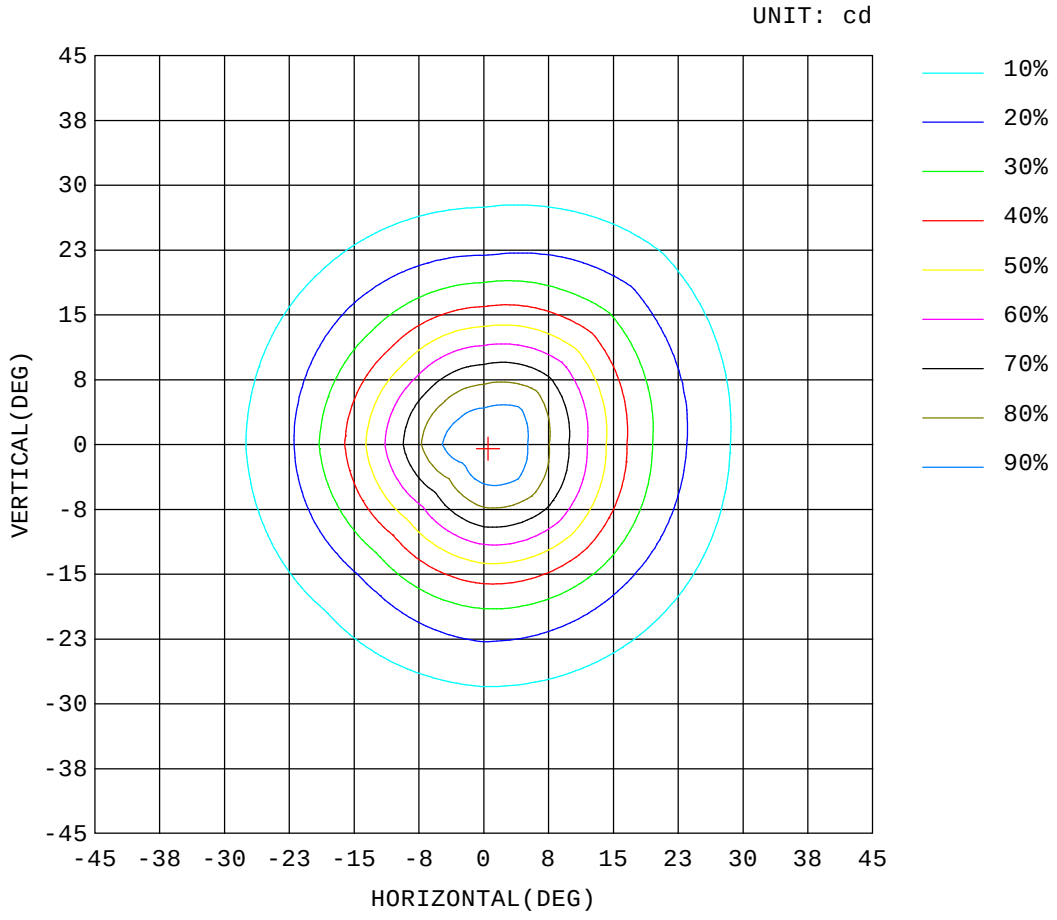

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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

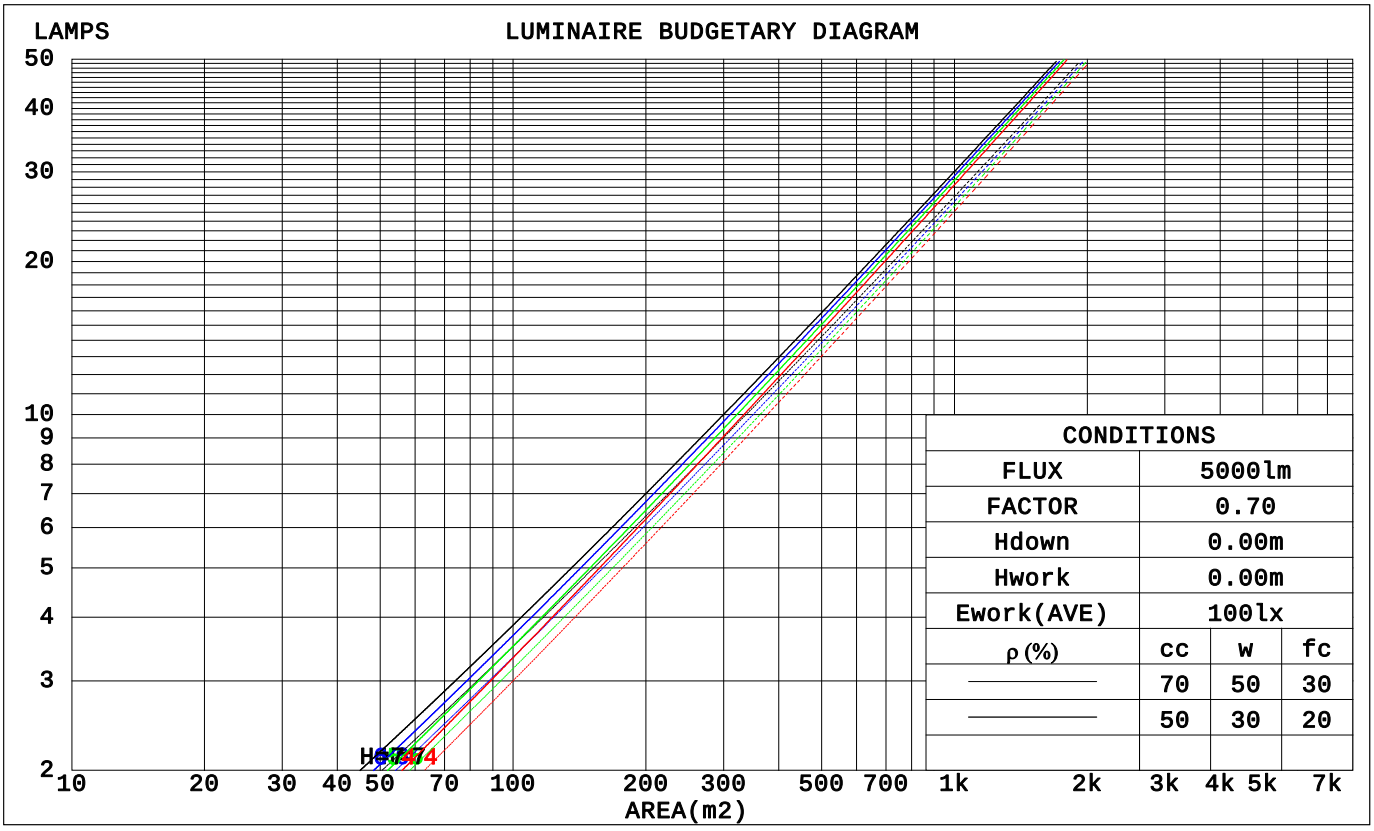
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

# 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 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0 | 1.11 | 1.09 | 1.07 | 1.09 | 1.07 | 1.05 | 1.05 | 1.03 | 1.02 | 1.01 | .00 | .99 | .97 | .96 | .96 | .94 |
| 2.0 | 1.05 | 1.01 | .98 | 1.03 | .00 | .97 | .00 | .97 | .95 | .97 | .94 | .93 | .94 | .92 | .91 | .89 |
| 3.0 | .99 | .95 | .91 | .98 | .94 | .90 | .95 | .92 | .89 | .92 | .90 | .87 | .90 | .88 | .86 | .84 |
| 4.0 | .94 | .89 | .86 | .93 | .88 | .85 | .91 | .87 | .84 | .89 | .85 | .83 | .87 | .84 | .82 | .80 |
| 5.0 | .89 | .84 | .81 | .88 | .84 | .80 | .87 | .83 | .80 | .85 | .81 | .79 | .83 | .80 | .78 | .77 |
| 6.0 | .85 | .80 | .77 | .85 | .80 | .76 | .83 | .79 | .76 | .82 | .78 | .75 | .80 | .77 | .75 | .73 |
| 7.0 | .82 | .77 | .73 | .81 | .76 | .73 | .80 | .75 | .72 | .78 | .75 | .72 | .77 | .74 | .71 | .70 |
| 8.0 | .78 | .73 | .70 | .78 | .73 | .70 | .77 | .72 | .69 | .76 | .72 | .69 | .75 | .71 | .69 | .67 |
| 9.0 | .75 | .70 | .67 | .75 | .70 | .67 | .74 | .69 | .66 | .73 | .69 | .66 | .72 | .69 | .66 | .65 |
| 10.0 | .72 | .67 | .64 | .72 | .67 | .64 | .71 | .67 | .64 | .70 | .66 | .64 | .70 | .66 | .64 | .62 |




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 | 1127 | 1149 | 1106 | 1033 | 1114 | 1081 | 1084 | 1160 | 0- 5 | 27.92 | 27.92 |
| 10.0 | 864.7 | 897.9 | 845.6 | 752.8 | 831.7 | 814.0 | 830.0 | 929.8 | 5- 10 | 69.26 | 97.18 |
| 15.0 | 576.2 | 600.2 | 554.4 | 489.5 | 555.0 | 520.2 | 550.0 | 640.7 | 10- 15 | 82.01 | 179.2 |
| 20.0 | 358.2 | 357.1 | 340.0 | 298.7 | 335.4 | 313.7 | 324.5 | 405.0 | 15- 20 | 72.45 | 251.6 |
| 25.0 | 181.6 | 190.6 | 182.2 | 149.0 | 169.5 | 163.5 | 167.5 | 244.8 | 20- 25 | 53.02 | 304.6 |
| 30.0 | 102.9 | 98.29 | 99.50 | 77.00 | 91.69 | 89.30 | 91.59 | 123.8 | 25- 30 | 33.59 | 338.2 |
| 35.0 | 60.39 | 53.79 | 58.60 | 45.29 | 50.19 | 51.20 | 49.79 | 70.70 | 30- 35 | 21.59 | 359.8 |
| 40.0 | 37.29 | 30.00 | 33.70 | 26.10 | 30.89 | 31.00 | 28.70 | 42.69 | 35- 40 | 14.17 | 374.0 |
| 45.0 | 23.70 | 17.40 | 21.19 | 15.70 | 18.40 | 19.20 | 16.20 | 26.90 | 40- 45 | 9.481 | 383.5 |
| 50.0 | 15.29 | 9.600 | 13.60 | 8.400 | 11.20 | 11.90 | 9.200 | 16.40 | 45- 50 | 6.287 | 389.8 |
| 55.0 | 9.900 | 4.800 | 8.299 | 3.800 | 6.200 | 7.200 | 4.600 | 10.10 | 50- 55 | 4.012 | 393.8 |
| 60.0 | 6.000 | 1.800 | 5.000 | 1.300 | 3.000 | 4.300 | 1.900 | 5.900 | 55- 60 | 2.351 | 396.1 |
| 65.0 | 3.800 | 0.600 | 3.300 | 0.300 | 1.400 | 3.000 | 0.500 | 3.600 | 60- 65 | 1.309 | 397.5 |
| 70.0 | 3.100 | 0.200 | 2.400 | 0 | 1.100 | 2.400 | 0.100 | 2.700 | 65- 70 | 0.891 | 398.3 |
| 75.0 | 2.700 | 0 | 1.900 | 0 | 0.800 | 2.000 | 0 | 2.100 | 70- 75 | 0.703 | 399.1 |
| 80.0 | 2.300 | 0 | 1.600 | 0 | 0.700 | 1.700 | 0 | 1.800 | 75- 80 | 0.584 | 399.6 |
| 85.0 | 2.100 | 0 | 1.300 | 0 | 0.500 | 1.400 | 0 | 1.500 | 80- 85 | 0.502 | 400.1 |
| 90.0 | 1.800 | 0 | 1.000 | 0 | 0.500 | 1.000 | 0 | 1.300 | 85- 90 | 0.428 | 400.6 |
| 95.0 | 1.700 | 0 | 0.800 | 0 | 0.600 | 1.000 | 0 | 1.100 | 90- 95 | 0.372 | 400.9 |
| 100.0 | 1.500 | 0 | 0.800 | 0 | 0.500 | 0.900 | 0 | 1.000 | 95-100 | 0.339 | 401.3 |
| 105.0 | 1.400 | 0 | 0.700 | 0 | 0.600 | 0.700 | 0 | 0.900 | 100-105 | 0.308 | 401.6 |
| 110.0 | 1.400 | 0 | 0.600 | 0 | 0.600 | 0.800 | 0 | 0.800 | 105-110 | 0.275 | 401.9 |
| 115.0 | 1.300 | 0 | 0.700 | 0 | 0.600 | 0.600 | 0 | 0.800 | 110-115 | 0.258 | 402.1 |
| 120.0 | 1.200 | 0 | 0.500 | 0 | 0.700 | 0.600 | 0 | 0.700 | 115-120 | 0.240 | 402.4 |
| 125.0 | 1.100 | 0 | 0.500 | 0 | 0.800 | 0.700 | 0 | 0.700 | 120-125 | 0.221 | 402.6 |
| 130.0 | 1.000 | 0 | 0.500 | 0 | 0.800 | 0.700 | 0 | 0.700 | 125-130 | 0.207 | 402.8 |
| 135.0 | 1.100 | 0 | 0.500 | 0 | 1.100 | 0.900 | 0 | 0.800 | 130-135 | 0.205 | 403.0 |
| 140.0 | 1.100 | 0 | 0.600 | 0 | 1.400 | 1.000 | 0.400 | 1.000 | 135-140 | 0.229 | 403.2 |
| 145.0 | 1.300 | 0.100 | 0.700 | 0.200 | 1.800 | 1.400 | 0.600 | 1.300 | 140-145 | 0.262 | 403.5 |
| 150.0 | 1.400 | 0.400 | 0.900 | 0.400 | 2.100 | 1.800 | 1.200 | 1.600 | 145-150 | 0.310 | 403.8 |
| 155.0 | 1.700 | 0.600 | 1.000 | 0.700 | 2.500 | 2.000 | 1.500 | 1.900 | 150-155 | 0.344 | 404.1 |
| 160.0 | 2.000 | 0.900 | 1.400 | 1.000 | 2.800 | 2.200 | 1.900 | 2.200 | 155-160 | 0.346 | 404.5 |
| 165.0 | 2.200 | 1.200 | 1.600 | 1.300 | 3.000 | 2.300 | 1.900 | 2.200 | 160-165 | 0.309 | 404.8 |
| 170.0 | 2.400 | 1.500 | 1.800 | 1.400 | 3.100 | 2.200 | 1.900 | 2.300 | 165-170 | 0.241 | 405.0 |
| 175.0 | 2.400 | 1.500 | 2.000 | 1.600 | 2.800 | 2.200 | 1.900 | 2.300 | 170-175 | 0.149 | 405.2 |
| 180.0 | 2.500 | 1.700 | 2.100 | 1.700 | 3.000 | 2.100 | 1.800 | 2.200 | 175-180 | 0.050 | 405.2 |
| 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 | .161 | .092 | .029 | .154 | .088 | .028 | .141 | .081 | .026 | .129 | .074 | .024 | .118 | .068 | .022 | |
| 2.0 | .151 | .083 | .025 | .145 | .080 | .025 | .134 | .075 | .023 | .124 | .070 | .022 | .115 | .065 | .020 | |
| 3.0 | .142 | .076 | .023 | .137 | .073 | .022 | .128 | .069 | .021 | .119 | .065 | .020 | .111 | .061 | .019 | |
| 4.0 | .134 | .069 | .020 | .129 | .068 | .020 | .121 | .064 | .019 | .114 | .061 | .018 | .107 | .058 | .018 | |
| 5.0 | .126 | .064 | .019 | .123 | .063 | .018 | .116 | .060 | .018 | .109 | .058 | .017 | .103 | .055 | .017 | |
| 6.0 | .120 | .060 | .017 | .117 | .059 | .017 | .111 | .057 | .016 | .105 | .054 | .016 | .099 | .052 | .016 | |
| 7.0 | .114 | .056 | .016 | .111 | .055 | .016 | .106 | .053 | .015 | .101 | .052 | .015 | .096 | .050 | .015 | |
| 8.0 | .109 | .053 | .015 | .106 | .052 | .015 | .101 | .051 | .014 | .097 | .049 | .014 | .093 | .048 | .014 | |
| 9.0 | .104 | .050 | .014 | .102 | .049 | .014 | .097 | .048 | .014 | .093 | .047 | .013 | .089 | .045 | .013 | |
| 10.0 | .099 | .048 | .013 | .097 | .047 | .013 | .093 | .046 | .013 | .090 | .045 | .013 | .086 | .043 | .012 | |

| 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 | .199 | .199 | .199 | .170 | .170 | .170 | .116 | .116 | .116 | .067 | .067 | .067 | .021 | .021 | .021 | |
| 1.0 | .179 | .166 | .155 | .153 | .143 | .133 | .105 | .098 | .092 | .060 | .057 | .054 | .019 | .018 | .017 | |
| 2.0 | .162 | .141 | .124 | .139 | .122 | .107 | .095 | .084 | .075 | .055 | .049 | .044 | .018 | .016 | .014 | |
| 3.0 | .149 | .122 | .101 | .128 | .106 | .088 | .088 | .073 | .062 | .051 | .043 | .036 | .016 | .014 | .012 | |
| 4.0 | .137 | .107 | .085 | .118 | .093 | .073 | .081 | .065 | .052 | .047 | .038 | .031 | .015 | .012 | .010 | |
| 5.0 | .128 | .095 | .072 | .110 | .083 | .062 | .076 | .058 | .044 | .044 | .034 | .026 | .014 | .011 | .009 | |
| 6.0 | .120 | .086 | .062 | .103 | .074 | .054 | .071 | .052 | .038 | .041 | .031 | .023 | .013 | .010 | .007 | |
| 7.0 | .112 | .078 | .054 | .097 | .068 | .047 | .067 | .047 | .033 | .039 | .028 | .020 | .013 | .009 | .007 | |
| 8.0 | .106 | .071 | .048 | .091 | .062 | .042 | .063 | .044 | .029 | .037 | .026 | .018 | .012 | .008 | .006 | |
| 9.0 | .101 | .066 | .043 | .087 | .057 | .037 | .060 | .040 | .026 | .035 | .024 | .016 | .011 | .008 | .005 | |
| 10.0 | .096 | .061 | .039 | .083 | .053 | .034 | .057 | .038 | .024 | .033 | .022 | .014 | .011 | .007 | .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 | 1.4 | 2.2 | 1.7 | 2.4 | 2.6 | 1.0 | 1.8 | 1.2 | 2.0 | 2.2 |
| 3H | 1.6 | 2.3 | 1.8 | 2.5 | 2.7 | 1.1 | 1.8 | 1.3 | 2.0 | 2.2 |
| 4H | 1.7 | 2.4 | 2.0 | 2.6 | 2.9 | 1.1 | 1.8 | 1.4 | 2.1 | 2.3 |
| 6H | 2.0 | 2.7 | 2.3 | 2.9 | 3.2 | 1.3 | 1.9 | 1.6 | 2.2 | 2.5 |
| 8H | 2.3 | 2.9 | 2.6 | 3.2 | 3.4 | 1.4 | 2.0 | 1.7 | 2.3 | 2.6 |
| 12H | 2.6 | 3.2 | 3.0 | 3.5 | 3.8 | 1.6 | 2.2 | 1.9 | 2.5 | 2.8 |
| 4H 2H | 1.2 | 1.9 | 1.5 | 2.1 | 2.4 | 0.8 | 1.5 | 1.1 | 1.7 | 2.0 |
| 3H | 1.4 | 2.0 | 1.7 | 2.3 | 2.6 | 0.9 | 1.5 | 1.2 | 1.8 | 2.1 |
| 4H | 1.6 | 2.1 | 1.9 | 2.4 | 2.8 | 1.0 | 1.5 | 1.3 | 1.8 | 2.2 |
| 6H | 2.0 | 2.5 | 2.4 | 2.8 | 3.2 | 1.2 | 1.7 | 1.6 | 2.0 | 2.4 |
| 8H | 2.4 | 2.8 | 2.8 | 3.2 | 3.6 | 1.4 | 1.8 | 1.8 | 2.2 | 2.6 |
| 12H | 2.9 | 3.3 | 3.4 | 3.7 | 4.1 | 1.7 | 2.1 | 2.1 | 2.5 | 2.9 |
| 8H 4H | 1.4 | 1.9 | 1.8 | 2.3 | 2.6 | 0.8 | 1.3 | 1.2 | 1.7 | 2.0 |
| 6H | 1.9 | 2.3 | 2.3 | 2.7 | 3.1 | 1.1 | 1.4 | 1.5 | 1.9 | 2.3 |
| 8H | 2.4 | 2.7 | 2.8 | 3.1 | 3.6 | 1.3 | 1.6 | 1.8 | 2.1 | 2.5 |
| 12H | 3.1 | 3.4 | 3.6 | 3.8 | 4.3 | 1.7 | 2.0 | 2.2 | 2.5 | 3.0 |
| 12H 4H | 1.4 | 1.8 | 1.8 | 2.2 | 2.6 | 0.8 | 1.2 | 1.2 | 1.6 | 2.0 |
| 6H | 1.9 | 2.2 | 2.3 | 2.6 | 3.1 | 1.0 | 1.4 | 1.5 | 1.8 | 2.3 |
| 8H | 2.3 | 2.6 | 2.8 | 3.1 | 3.5 | 1.3 | 1.6 | 1.8 | 2.0 | 2.5 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 1.8 / - 1.9 | | | | | + 2.0 / - 2.6 | | | | |
| 1.5H | + 2.9 / - 2.2 | | | | | + 3.2 / - 2.9 | | | | |
| 2.0H | + 3.3 / - 2.4 | | | | | + 3.7 / - 3.3 | | | | |

CIE Pub.117 Corrected 405.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.1)

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 | 87 | 80 | 76 | 86 | 80 | 76 | 85 | 80 | 76 | 73 |
| 0.80 | 94 | 88 | 84 | 93 | 88 | 84 | 92 | 87 | 84 | 80 |
| 1.00 | 99 | 93 | 89 | 98 | 92 | 89 | 96 | 92 | 88 | 84 |
| 1.25 | 103 | 97 | 94 | 101 | 97 | 93 | 99 | 95 | 93 | 88 |
| 1.50 | 105 | 100 | 97 | 104 | 100 | 97 | 102 | 98 | 95 | 91 |
| 2.00 | 108 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 98 | 93 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 94 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 106 | 103 | 102 | 95 |
| 4.00 | 113 | 110 | 108 | 111 | 109 | 107 | 107 | 105 | 104 | 96 |
| 5.00 | 115 | 112 | 110 | 112 | 110 | 109 | 108 | 107 | 105 | 97 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | | Suspended | | | | | SHRNOM = 1.25 | |

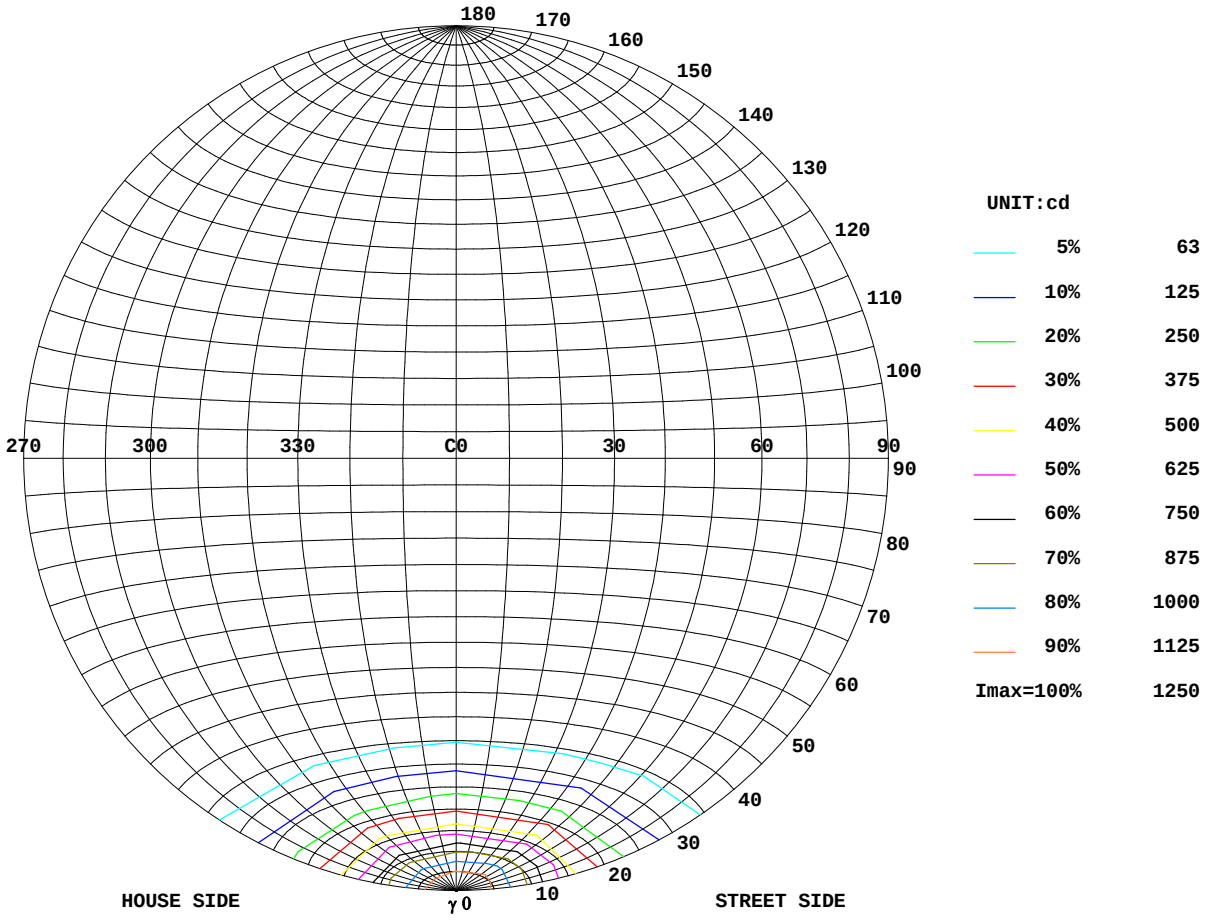
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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.: |



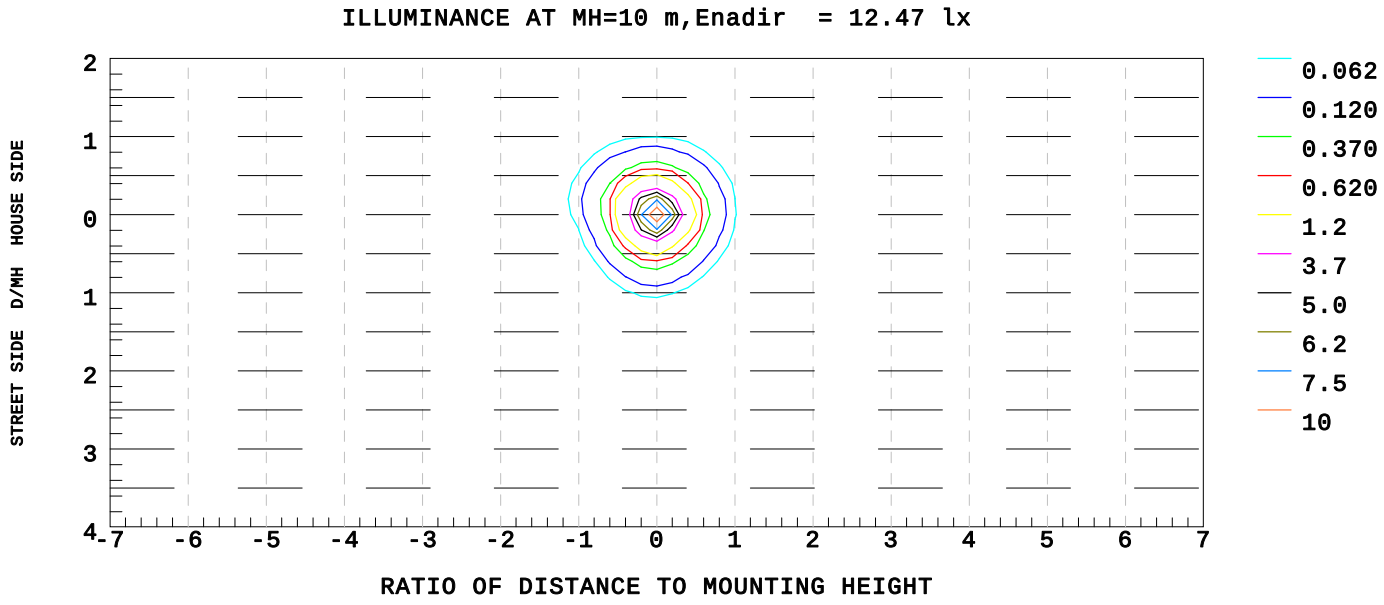

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

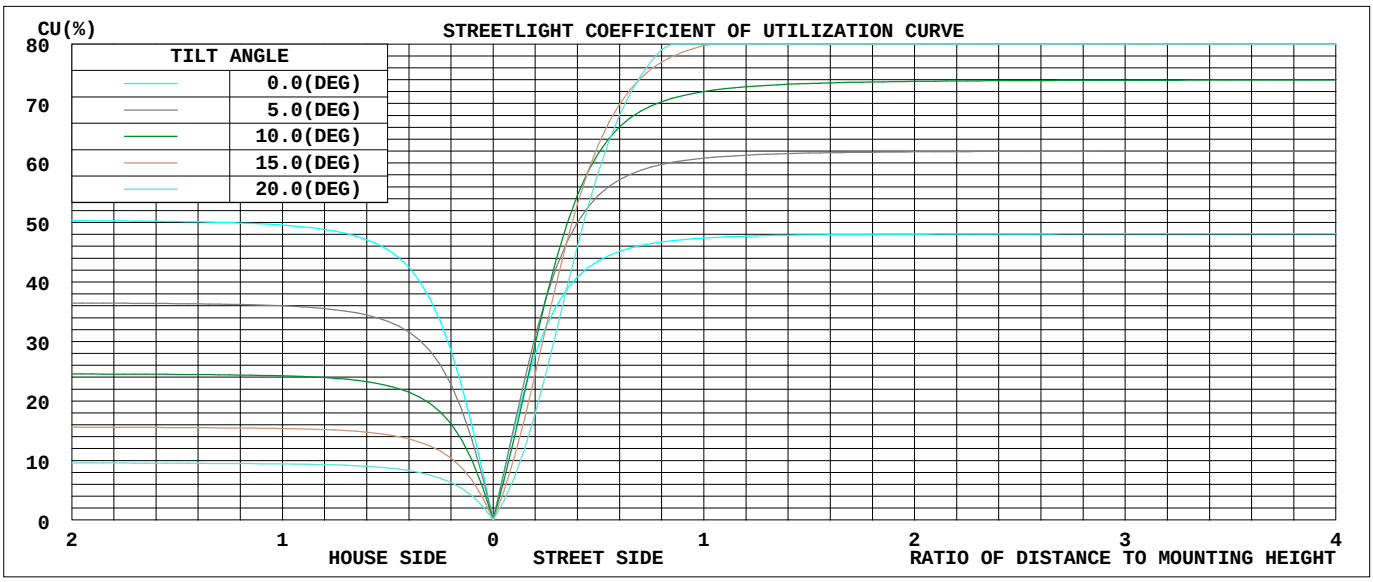
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

# ISOLUX DIAGRAM

Report number:

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



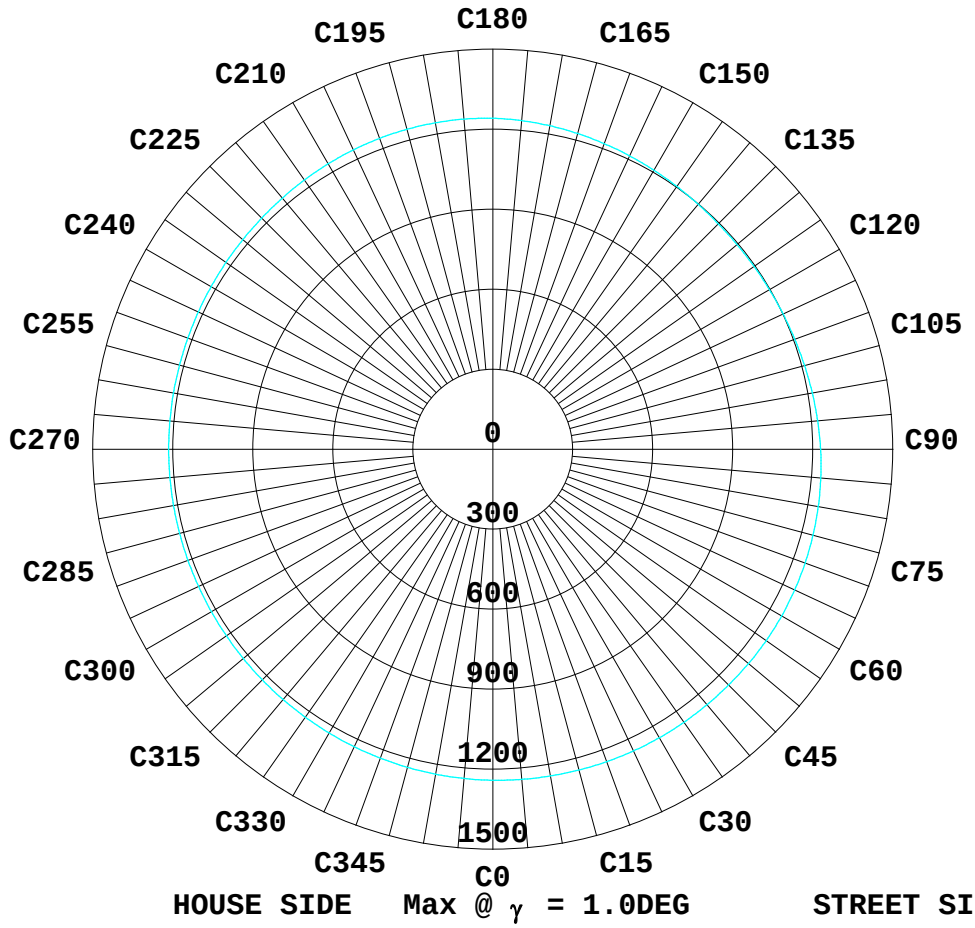

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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 | 0.50 | 0.44 | 0.39 | 0.33 | 0.28 | 0.22 | 0.17 | 0.11 | 0.06 | 0.00 | 0.11 | 0.22 | 0.33 | 0.44 | 0.56 |
| -85.0 | 0.50 | 0.44 | 0.39 | 0.33 | 0.28 | 0.22 | 0.17 | 0.11 | 0.06 | 0.00 | 0.14 | 0.29 | 0.43 | 0.58 | 0.72 |
| -80.0 | 0.50 | 0.45 | 0.39 | 0.34 | 0.28 | 0.23 | 0.17 | 0.13 | 0.07 | 0.01 | 0.15 | 0.32 | 0.49 | 0.66 | 0.85 |
| -75.0 | 0.50 | 0.45 | 0.39 | 0.34 | 0.29 | 0.28 | 0.21 | 0.16 | 0.09 | 0.01 | 0.15 | 0.35 | 0.56 | 0.77 | 0.98 |
| -70.0 | 0.50 | 0.45 | 0.40 | 0.35 | 0.35 | 0.30 | 0.26 | 0.16 | 0.12 | 0.03 | 0.14 | 0.39 | 0.63 | 0.91 | 1.24 |
| -65.0 | 0.50 | 0.45 | 0.40 | 0.42 | 0.38 | 0.33 | 0.28 | 0.22 | 0.14 | 0.06 | 0.12 | 0.44 | 0.87 | 1.18 | 1.59 |
| -60.0 | 0.50 | 0.45 | 0.40 | 0.43 | 0.43 | 0.37 | 0.33 | 0.27 | 0.19 | 0.23 | 0.25 | 0.67 | 1.11 | 1.77 | 2.43 |
| -55.0 | 0.50 | 0.45 | 0.47 | 0.47 | 0.40 | 0.43 | 0.38 | 0.34 | 0.42 | 0.41 | 0.43 | 1.13 | 2.03 | 3.14 | 4.33 |
| -50.0 | 0.50 | 0.46 | 0.50 | 0.52 | 0.50 | 0.45 | 0.46 | 0.56 | 0.57 | 0.78 | 1.24 | 2.23 | 3.85 | 5.60 | 7.70 |
| -45.0 | 0.50 | 0.46 | 0.51 | 0.49 | 0.54 | 0.54 | 0.63 | 0.67 | 0.93 | 1.66 | 2.72 | 4.06 | 6.80 | 9.60 | 12.5 |
| -40.0 | 0.50 | 0.46 | 0.51 | 0.50 | 0.57 | 0.62 | 0.75 | 0.92 | 1.74 | 3.06 | 4.80 | 7.58 | 10.6 | 14.9 | 19.5 |
| -35.0 | 0.50 | 0.47 | 0.54 | 0.58 | 0.61 | 0.75 | 0.85 | 1.47 | 2.81 | 4.88 | 8.05 | 11.4 | 16.0 | 21.8 | 29.3 |
| -30.0 | 0.50 | 0.47 | 0.59 | 0.66 | 0.69 | 0.87 | 1.07 | 2.18 | 4.21 | 7.20 | 11.1 | 16.5 | 22.8 | 32.2 | 45.4 |
| -25.0 | 0.50 | 0.48 | 0.63 | 0.69 | 0.73 | 0.95 | 1.28 | 2.98 | 5.64 | 9.64 | 14.9 | 22.2 | 32.6 | 46.7 | 65.9 |
| -20.0 | 0.50 | 0.48 | 0.65 | 0.71 | 0.82 | 1.00 | 1.78 | 3.82 | 7.25 | 12.0 | 18.9 | 29.1 | 44.5 | 66.1 | 101 |
| -15.0 | 0.50 | 0.49 | 0.66 | 0.73 | 0.91 | 1.07 | 2.17 | 4.70 | 8.70 | 14.3 | 23.0 | 36.3 | 57.4 | 94.1 | 157 |
| -10.0 | 0.50 | 0.49 | 0.67 | 0.75 | 0.98 | 1.21 | 2.54 | 5.41 | 9.98 | 16.1 | 26.8 | 43.1 | 72.1 | 128 | 220 |
| -5.0 | 0.50 | 0.50 | 0.69 | 0.78 | 1.04 | 1.32 | 2.82 | 5.90 | 10.7 | 17.6 | 29.5 | 47.9 | 84.9 | 156 | 300 |
| 0.0 | 0.50 | 0.50 | 0.70 | 0.80 | 1.10 | 1.40 | 3.00 | 6.20 | 11.2 | 18.4 | 30.8 | 50.1 | 91.6 | 170 | 335 |
| 5.0 | 0.50 | 0.51 | 0.72 | 0.84 | 1.14 | 1.46 | 3.02 | 6.16 | 11.0 | 18.0 | 30.1 | 48.8 | 87.3 | 159 | 309 |
| 10.0 | 0.50 | 0.52 | 0.74 | 0.87 | 1.17 | 1.48 | 2.92 | 5.91 | 10.5 | 16.9 | 27.9 | 44.6 | 76.2 | 134 | 242 |
| 15.0 | 0.50 | 0.53 | 0.76 | 0.90 | 1.19 | 1.47 | 2.71 | 5.43 | 9.55 | 15.4 | 24.6 | 38.5 | 61.9 | 104 | 169 |
| 20.0 | 0.50 | 0.53 | 0.77 | 0.93 | 1.19 | 1.53 | 2.45 | 4.77 | 8.45 | 13.5 | 20.7 | 31.9 | 48.1 | 74.7 | 114 |
| 25.0 | 0.50 | 0.54 | 0.79 | 0.95 | 1.15 | 1.58 | 2.13 | 4.12 | 7.14 | 11.3 | 17.1 | 25.1 | 36.6 | 52.3 | 74.7 |
| 30.0 | 0.50 | 0.55 | 0.77 | 0.97 | 1.18 | 1.58 | 2.01 | 3.45 | 5.83 | 9.12 | 13.6 | 19.3 | 26.8 | 36.6 | 48.1 |
| 35.0 | 0.50 | 0.55 | 0.74 | 0.93 | 1.16 | 1.54 | 1.92 | 2.79 | 4.58 | 7.16 | 10.3 | 14.6 | 19.5 | 24.8 | 31.3 |
| 40.0 | 0.50 | 0.56 | 0.74 | 0.88 | 1.15 | 1.50 | 1.90 | 2.32 | 3.59 | 5.37 | 7.71 | 10.4 | 13.6 | 16.9 | 20.1 |
| 45.0 | 0.50 | 0.56 | 0.74 | 0.90 | 1.15 | 1.40 | 1.81 | 2.19 | 2.83 | 4.01 | 5.55 | 7.46 | 9.10 | 11.0 | 12.8 |
| 50.0 | 0.50 | 0.56 | 0.74 | 0.95 | 1.12 | 1.35 | 1.70 | 2.10 | 2.48 | 3.10 | 4.02 | 4.96 | 5.83 | 6.87 | 7.84 |
| 55.0 | 0.50 | 0.56 | 0.72 | 0.91 | 1.03 | 1.31 | 1.56 | 1.93 | 2.31 | 2.67 | 3.00 | 3.27 | 3.68 | 4.07 | 4.37 |
| 60.0 | 0.50 | 0.57 | 0.67 | 0.87 | 1.08 | 1.24 | 1.47 | 1.72 | 2.07 | 2.40 | 2.70 | 2.58 | 2.40 | 2.45 | 2.32 |
| 65.0 | 0.50 | 0.57 | 0.67 | 0.85 | 1.02 | 1.19 | 1.38 | 1.59 | 1.85 | 2.06 | 2.26 | 2.07 | 1.96 | 1.76 | 1.55 |
| 70.0 | 0.50 | 0.57 | 0.65 | 0.79 | 0.97 | 1.14 | 1.32 | 1.44 | 1.64 | 1.85 | 1.87 | 1.71 | 1.48 | 1.29 | 1.14 |
| 75.0 | 0.50 | 0.58 | 0.65 | 0.75 | 0.89 | 1.04 | 1.21 | 1.37 | 1.53 | 1.67 | 1.58 | 1.43 | 1.23 | 1.06 | 0.88 |
| 80.0 | 0.50 | 0.57 | 0.65 | 0.73 | 0.82 | 0.95 | 1.09 | 1.20 | 1.33 | 1.49 | 1.40 | 1.25 | 1.08 | 0.90 | 0.74 |
| 85.0 | 0.50 | 0.56 | 0.65 | 0.73 | 0.81 | 0.89 | 0.97 | 1.04 | 1.13 | 1.25 | 1.14 | 1.02 | 0.89 | 0.75 | 0.61 |
| 90.0 | 0.50 | 0.56 | 0.61 | 0.67 | 0.72 | 0.78 | 0.83 | 0.89 | 0.94 | 1.00 | 0.89 | 0.78 | 0.67 | 0.56 | 0.44 |

**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 | 0.67 | 0.78 | 0.89 | 1.00 | 0.89 | 0.78 | 0.67 | 0.56 | 0.44 | 0.33 | 0.22 | 0.11 | 0.00 | 0.20 | 0.40 |
| -85.0 | 0.87 | 1.01 | 1.15 | 1.30 | 1.15 | 1.01 | 0.87 | 0.72 | 0.58 | 0.43 | 0.29 | 0.14 | 0.00 | 0.22 | 0.43 |
| -80.0 | 1.03 | 1.22 | 1.41 | 1.60 | 1.41 | 1.22 | 1.03 | 0.85 | 0.66 | 0.49 | 0.32 | 0.15 | 0.02 | 0.25 | 0.47 |
| -75.0 | 1.21 | 1.44 | 1.67 | 1.90 | 1.67 | 1.44 | 1.21 | 0.98 | 0.77 | 0.56 | 0.35 | 0.15 | 0.05 | 0.31 | 0.55 |
| -70.0 | 1.55 | 1.83 | 2.11 | 2.40 | 2.13 | 1.88 | 1.62 | 1.32 | 0.98 | 0.70 | 0.47 | 0.16 | 0.10 | 0.38 | 0.60 |
| -65.0 | 2.02 | 2.47 | 2.90 | 3.30 | 2.94 | 2.53 | 2.10 | 1.69 | 1.33 | 1.00 | 0.59 | 0.30 | 0.27 | 0.53 | 0.73 |
| -60.0 | 3.12 | 3.82 | 4.46 | 5.00 | 4.52 | 3.94 | 3.27 | 2.63 | 1.90 | 1.34 | 0.86 | 0.49 | 0.54 | 0.74 | 0.92 |
| -55.0 | 5.53 | 6.63 | 7.57 | 8.29 | 7.70 | 6.86 | 5.85 | 4.74 | 3.51 | 2.40 | 1.49 | 0.76 | 0.88 | 1.11 | 1.15 |
| -50.0 | 9.63 | 11.3 | 12.6 | 13.6 | 12.8 | 11.6 | 10.0 | 8.32 | 6.43 | 4.51 | 2.85 | 1.83 | 1.41 | 1.39 | 1.52 |
| -45.0 | 15.2 | 17.9 | 19.9 | 21.1 | 20.2 | 18.4 | 15.8 | 13.1 | 10.4 | 7.76 | 5.17 | 3.78 | 2.70 | 1.95 | 1.77 |
| -40.0 | 23.9 | 28.0 | 31.6 | 33.7 | 32.2 | 29.2 | 25.5 | 20.8 | 16.0 | 11.7 | 8.75 | 6.49 | 4.54 | 3.11 | 2.23 |
| -35.0 | 37.9 | 46.5 | 54.0 | 58.6 | 55.6 | 49.1 | 40.7 | 32.1 | 24.6 | 17.7 | 12.9 | 9.75 | 6.87 | 4.59 | 3.05 |
| -30.0 | 60.4 | 76.8 | 91.1 | 99.5 | 95.5 | 84.2 | 68.1 | 51.6 | 36.4 | 26.4 | 19.1 | 13.3 | 9.45 | 6.34 | 4.08 |
| -25.0 | 95.0 | 131 | 163 | 182 | 173 | 148 | 113 | 81.1 | 55.7 | 37.7 | 26.2 | 17.9 | 12.2 | 8.25 | 5.24 |
| -20.0 | 157 | 230 | 301 | 340 | 324 | 275 | 193 | 129 | 81.8 | 52.8 | 34.2 | 22.8 | 15.1 | 10.0 | 6.40 |
| -15.0 | 237 | 372 | 489 | 554 | 531 | 438 | 319 | 194 | 115 | 69.3 | 43.2 | 27.8 | 18.0 | 11.8 | 7.56 |
| -10.0 | 373 | 531 | 721 | 846 | 803 | 646 | 442 | 282 | 152 | 85.6 | 51.5 | 32.0 | 20.7 | 13.4 | 8.57 |
| -5.0 | 489 | 719 | 917 | 1106 | 1058 | 811 | 545 | 337 | 176 | 97.9 | 57.5 | 35.4 | 22.6 | 14.5 | 9.36 |
| 0.0 | 555 | 832 | 1114 | 1247 | 1127 | 865 | 576 | 358 | 182 | 103 | 60.3 | 37.2 | 23.7 | 15.2 | 9.90 |
| 5.0 | 502 | 750 | 981 | 1084 | 1074 | 831 | 564 | 352 | 185 | 103 | 60.1 | 37.1 | 23.6 | 15.1 | 9.77 |
| 10.0 | 397 | 572 | 750 | 830 | 821 | 695 | 481 | 309 | 165 | 94.0 | 56.3 | 35.1 | 22.8 | 14.5 | 9.36 |
| 15.0 | 279 | 393 | 497 | 550 | 546 | 475 | 368 | 238 | 134 | 80.0 | 49.7 | 32.0 | 20.9 | 13.5 | 8.68 |
| 20.0 | 168 | 240 | 304 | 325 | 333 | 291 | 238 | 156 | 99.6 | 63.9 | 41.7 | 28.0 | 18.5 | 12.0 | 7.81 |
| 25.0 | 103 | 133 | 158 | 168 | 174 | 157 | 131 | 100 | 71.8 | 49.0 | 33.9 | 23.5 | 15.6 | 10.6 | 6.86 |
| 30.0 | 62.1 | 76.0 | 87.0 | 91.5 | 94.2 | 88.3 | 77.2 | 63.0 | 49.5 | 36.8 | 26.7 | 18.8 | 12.9 | 8.85 | 5.82 |
| 35.0 | 37.9 | 44.1 | 48.5 | 49.7 | 52.1 | 50.7 | 45.9 | 40.0 | 33.5 | 27.4 | 20.4 | 14.5 | 10.4 | 7.15 | 4.76 |
| 40.0 | 23.5 | 26.4 | 28.3 | 28.7 | 30.3 | 30.0 | 28.4 | 25.9 | 22.6 | 18.8 | 14.6 | 11.0 | 7.99 | 5.63 | 3.97 |
| 45.0 | 14.4 | 15.6 | 16.2 | 16.2 | 17.4 | 17.8 | 17.4 | 16.2 | 14.3 | 12.4 | 10.5 | 8.00 | 5.92 | 4.34 | 3.41 |
| 50.0 | 8.57 | 9.18 | 9.40 | 9.20 | 10.0 | 10.4 | 10.3 | 9.86 | 9.06 | 7.94 | 6.88 | 5.60 | 4.33 | 3.49 | 3.02 |
| 55.0 | 4.63 | 4.81 | 4.83 | 4.60 | 5.21 | 5.54 | 5.65 | 5.58 | 5.32 | 4.90 | 4.35 | 3.92 | 3.32 | 2.95 | 2.75 |
| 60.0 | 2.31 | 2.27 | 2.14 | 1.90 | 2.34 | 2.65 | 2.83 | 2.93 | 3.02 | 3.00 | 2.95 | 2.94 | 2.74 | 2.65 | 2.48 |
| 65.0 | 1.32 | 1.07 | 0.80 | 0.50 | 0.87 | 1.19 | 1.47 | 1.72 | 1.91 | 2.07 | 2.28 | 2.46 | 2.46 | 2.32 | 2.24 |
| 70.0 | 0.91 | 0.64 | 0.37 | 0.10 | 0.41 | 0.71 | 0.99 | 1.25 | 1.47 | 1.69 | 1.89 | 1.98 | 2.11 | 2.05 | 2.01 |
| 75.0 | 0.67 | 0.45 | 0.23 | 0.00 | 0.24 | 0.48 | 0.72 | 0.96 | 1.17 | 1.36 | 1.53 | 1.73 | 1.86 | 1.82 | 1.83 |
| 80.0 | 0.56 | 0.38 | 0.19 | 0.00 | 0.20 | 0.40 | 0.60 | 0.78 | 0.96 | 1.14 | 1.33 | 1.49 | 1.61 | 1.60 | 1.62 |
| 85.0 | 0.46 | 0.31 | 0.16 | 0.00 | 0.17 | 0.34 | 0.51 | 0.68 | 0.86 | 1.04 | 1.24 | 1.39 | 1.50 | 1.49 | 1.51 |
| 90.0 | 0.33 | 0.22 | 0.11 | 0.00 | 0.14 | 0.29 | 0.43 | 0.58 | 0.72 | 0.87 | 1.01 | 1.15 | 1.30 | 1.35 | 1.41 |

**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 | 0.60 | 0.80 | 1.00 | 1.20 | 1.40 | 1.60 | 1.80 |
| -85.0 | 0.64 | 0.85 | 1.04 | 1.22 | 1.40 | 1.60 | 1.80 |
| -80.0 | 0.72 | 0.91 | 1.09 | 1.27 | 1.46 | 1.60 | 1.80 |
| -75.0 | 0.76 | 0.94 | 1.19 | 1.34 | 1.49 | 1.63 | 1.80 |
| -70.0 | 0.84 | 1.05 | 1.20 | 1.43 | 1.53 | 1.67 | 1.80 |
| -65.0 | 0.94 | 1.12 | 1.32 | 1.41 | 1.61 | 1.70 | 1.80 |
| -60.0 | 1.08 | 1.24 | 1.40 | 1.52 | 1.69 | 1.71 | 1.80 |
| -55.0 | 1.26 | 1.39 | 1.47 | 1.63 | 1.65 | 1.72 | 1.80 |
| -50.0 | 1.50 | 1.55 | 1.66 | 1.70 | 1.69 | 1.75 | 1.80 |
| -45.0 | 1.77 | 1.75 | 1.76 | 1.75 | 1.77 | 1.79 | 1.80 |
| -40.0 | 2.09 | 1.95 | 1.91 | 1.83 | 1.85 | 1.84 | 1.80 |
| -35.0 | 2.36 | 2.17 | 2.03 | 1.97 | 1.93 | 1.88 | 1.80 |
| -30.0 | 2.76 | 2.48 | 2.21 | 2.15 | 2.01 | 1.91 | 1.80 |
| -25.0 | 3.28 | 2.70 | 2.43 | 2.22 | 2.08 | 1.95 | 1.80 |
| -20.0 | 3.91 | 2.91 | 2.55 | 2.30 | 2.12 | 1.99 | 1.80 |
| -15.0 | 4.58 | 3.14 | 2.69 | 2.41 | 2.16 | 2.02 | 1.80 |
| -10.0 | 5.17 | 3.39 | 2.83 | 2.51 | 2.21 | 2.05 | 1.80 |
| -5.0 | 5.65 | 3.61 | 2.97 | 2.61 | 2.25 | 2.07 | 1.80 |
| 0.0 | 6.00 | 3.80 | 3.10 | 2.70 | 2.30 | 2.10 | 1.80 |
| 5.0 | 5.91 | 3.76 | 3.07 | 2.67 | 2.29 | 2.09 | 1.80 |
| 10.0 | 5.68 | 3.69 | 3.03 | 2.64 | 2.27 | 2.08 | 1.80 |
| 15.0 | 5.30 | 3.57 | 2.98 | 2.59 | 2.26 | 2.06 | 1.80 |
| 20.0 | 4.78 | 3.46 | 2.93 | 2.54 | 2.25 | 2.04 | 1.80 |
| 25.0 | 4.34 | 3.34 | 2.90 | 2.52 | 2.24 | 2.02 | 1.80 |
| 30.0 | 3.88 | 3.18 | 2.74 | 2.48 | 2.20 | 2.00 | 1.80 |
| 35.0 | 3.52 | 3.00 | 2.62 | 2.34 | 2.15 | 1.98 | 1.80 |
| 40.0 | 3.24 | 2.84 | 2.53 | 2.24 | 2.09 | 1.95 | 1.80 |
| 45.0 | 2.97 | 2.69 | 2.43 | 2.19 | 2.02 | 1.91 | 1.80 |
| 50.0 | 2.77 | 2.50 | 2.34 | 2.16 | 1.95 | 1.88 | 1.80 |
| 55.0 | 2.54 | 2.36 | 2.17 | 2.10 | 1.93 | 1.85 | 1.80 |
| 60.0 | 2.32 | 2.18 | 2.09 | 1.99 | 1.98 | 1.85 | 1.80 |
| 65.0 | 2.12 | 2.06 | 2.01 | 1.87 | 1.93 | 1.84 | 1.80 |
| 70.0 | 1.97 | 1.95 | 1.86 | 1.90 | 1.84 | 1.81 | 1.80 |
| 75.0 | 1.81 | 1.75 | 1.83 | 1.84 | 1.79 | 1.77 | 1.80 |
| 80.0 | 1.70 | 1.77 | 1.73 | 1.73 | 1.76 | 1.74 | 1.80 |
| 85.0 | 1.56 | 1.62 | 1.64 | 1.66 | 1.68 | 1.74 | 1.80 |
| 90.0 | 1.46 | 1.52 | 1.57 | 1.63 | 1.68 | 1.74 | 1.80 |

**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:**