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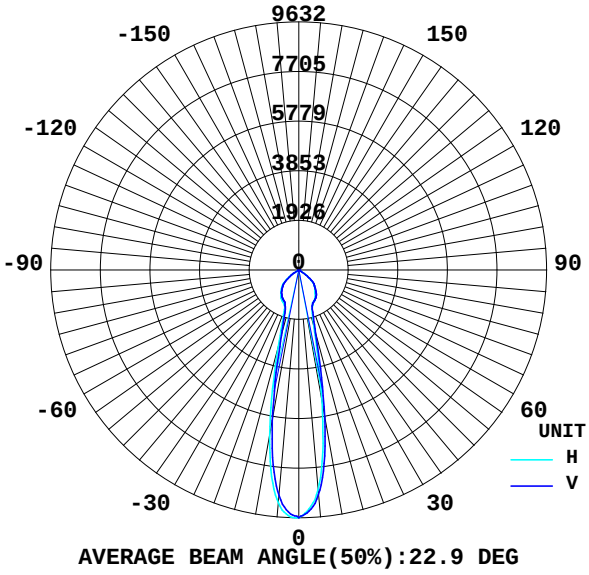


# LUMINAIRE PHOTOMETRIC TEST REPORT

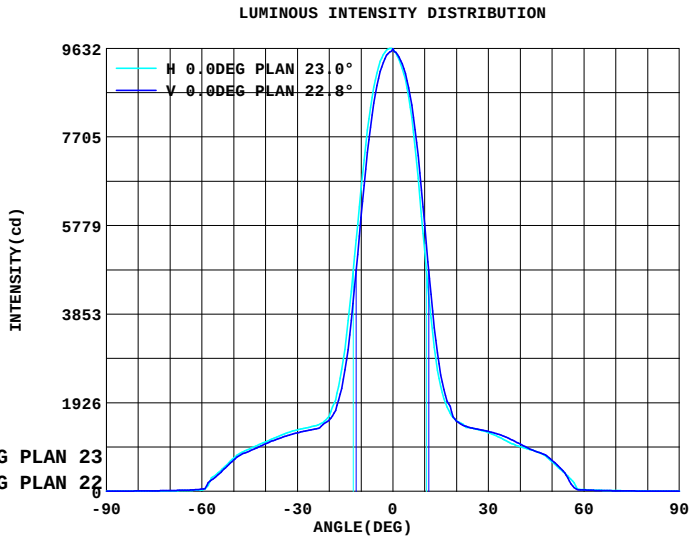
Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: HCP-251485 | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

| | | | | | |
|---|---|---|---|---|---|
| MODEL: | | | | | |
| NOMINAL POWER(W): | 50 | Imax(cd): | 9632 | Voltage(V) | 219.5 |
| RATED VOLTAGE(V): | 220 | AVAILABILITY(%): | 78.1 | Current(A) | 0.257 |
| NOMINAL FLUX(lm): | 3957 | Avai. FLUX(lm): | 3092 | Power(W) | 50.68 |
| TEST FLUX(lm): | 3957 | EFFICIENCY(%): | 100.0 | Power Factor(PF) | 0.897 |
| LAMPS QUANTITY : | 1 | TOTAL FLUX(lm): | 3957 | EFFICIENCY(lm/W) | 78.1 |
| Effictive Flux(lm) : | 3092.2 | θ @50%(H, V): | 23.0,22.9DEG | EEI: | 0.223 |




AVERAGE BEAM ANGLE(50%):22.9 DEG




Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

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# Color Temperature Data List

**Report number:**

| | | |
|---|---|---|
| **MANUFACTURER:** | | |
| **Address:** | | |
| **NAME: HCP-251485** | **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:8.300 m**
**Test Date:** **Remarks:**

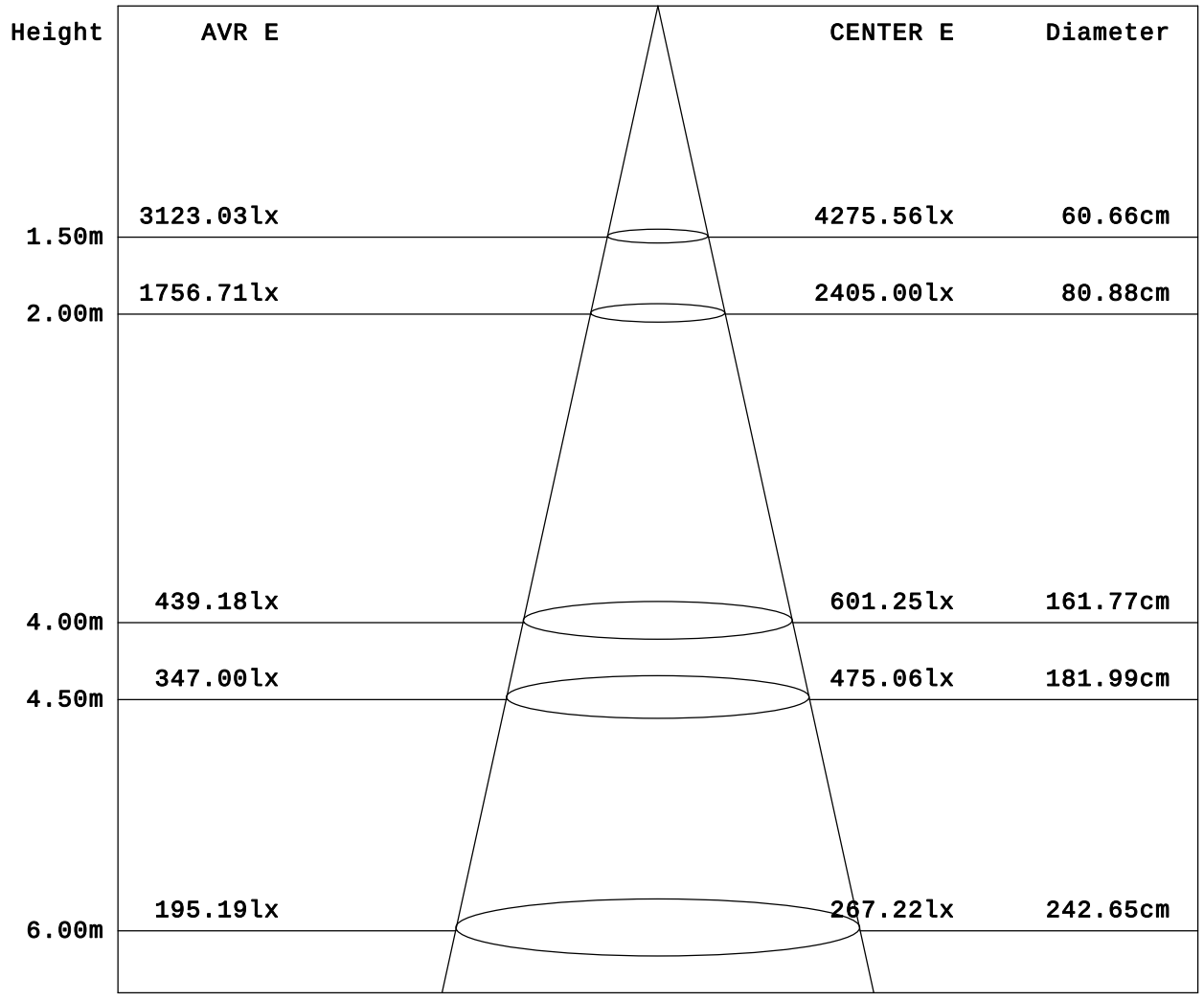
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# AVERAGE AND CENTER E Figure

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: HCP-251485 | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |




Angle:22.9deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

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PHOTOMETRIC TEST REPORT

# AREA LUMINOUS FLUX

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: HCP-251485 | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

AREA FLUX DIAGRAM — UNIT:lm

| VERTICAL(DEG) | -72 | -64 | -56 | -48 | -40 | -32 | -24 | -16 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | Φ t | Φ a |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | 0.04 | 0.07 | 0.11 | 0.17 | 0.21 | 0.25 | 0.28 | 0.29 | 0.29 | 0.29 | 0.27 | 0.24 | 0.20 | 0.16 | 0.11 | 0.07 | 0.04 | 3.40 | 0.00 |
| 64 | 0.05 | 0.09 | 0.16 | 0.25 | 0.33 | 0.41 | 0.50 | 0.62 | 0.80 | 0.80 | 0.62 | 0.51 | 0.41 | 0.32 | 0.24 | 0.16 | 0.10 | 0.05 | 6.45 | 0.00 |
| 56 | 0.06 | 0.12 | 0.21 | 0.35 | 0.66 | 2.84 | 6.18 | 8.87 | 10.1 | 9.98 | 8.45 | 5.70 | 2.62 | 0.66 | 0.36 | 0.22 | 0.13 | 0.07 | 57.6 | 0.00 |
| 48 | 0.07 | 0.15 | 0.28 | 1.16 | 6.13 | 11.4 | 14.7 | 16.6 | 17.4 | 17.3 | 16.3 | 14.1 | 10.3 | 5.31 | 1.03 | 0.31 | 0.17 | 0.08 | 133 | 12.5 |
| 40 | 0.08 | 0.18 | 0.66 | 5.66 | 11.8 | 15.8 | 19.0 | 21.3 | 22.4 | 22.2 | 20.8 | 18.4 | 15.3 | 10.7 | 4.84 | 0.57 | 0.21 | 0.10 | 190 | 124 |
| 32 | 0.09 | 0.21 | 2.57 | 9.46 | 14.6 | 19.0 | 22.5 | 24.8 | 25.8 | 25.5 | 24.1 | 21.4 | 17.9 | 13.9 | 8.41 | 2.09 | 0.25 | 0.11 | 233 | 187 |
| 24 | 0.10 | 0.29 | 4.83 | 11.5 | 16.6 | 21.3 | 24.9 | 28.2 | 31.2 | 30.6 | 26.8 | 23.6 | 20.0 | 15.5 | 10.7 | 4.02 | 0.31 | 0.12 | 271 | 232 |
| | 0.10 | 0.60 | 6.33 | 12.7 | 17.9 | 22.7 | 27.4 | 43.5 | 77.6 | 72.9 | 38.1 | 25.8 | 21.5 | 16.5 | 11.9 | 5.46 | 0.45 | 0.13 | 402 | 368 |
| | 0.10 | 0.90 | 7.02 | 13.3 | 18.6 | 23.4 | 31.2 | 84.0 | 160 | 152 | 67.0 | 28.4 | 22.4 | 17.1 | 12.3 | 6.16 | 0.65 | 0.14 | 645 | 611 |
| | 0.10 | 0.94 | 7.03 | 13.3 | 18.6 | 23.3 | 31.2 | 86.5 | 163 | 155 | 69.2 | 28.5 | 22.4 | 17.1 | 12.4 | 6.17 | 0.67 | 0.13 | 656 | 622 |
| | 0.09 | 0.68 | 6.41 | 12.7 | 17.8 | 22.6 | 26.9 | 45.7 | 81.5 | 76.5 | 40.0 | 25.8 | 21.7 | 16.7 | 12.0 | 5.52 | 0.50 | 0.13 | 414 | 379 |
| -24 | 0.09 | 0.33 | 5.05 | 11.6 | 16.4 | 20.9 | 24.6 | 27.5 | 31.1 | 30.6 | 26.8 | 23.9 | 20.3 | 15.7 | 10.8 | 4.17 | 0.32 | 0.12 | 271 | 233 |
| -32 | 0.08 | 0.19 | 3.02 | 9.59 | 14.6 | 18.5 | 22.0 | 24.4 | 25.3 | 25.2 | 24.1 | 21.8 | 18.4 | 14.1 | 8.58 | 2.35 | 0.24 | 0.11 | 233 | 187 |
| -40 | 0.07 | 0.15 | 1.01 | 6.12 | 12.0 | 15.9 | 18.7 | 20.9 | 22.0 | 22.0 | 20.9 | 18.7 | 15.6 | 11.0 | 5.12 | 0.78 | 0.19 | 0.09 | 192 | 125 |
| -48 | 0.06 | 0.12 | 0.23 | 2.04 | 6.86 | 11.6 | 14.9 | 16.7 | 17.6 | 17.5 | 16.5 | 14.3 | 10.6 | 5.78 | 1.55 | 0.28 | 0.15 | 0.08 | 137 | 14.0 |
| -56 | 0.05 | 0.09 | 0.16 | 0.27 | 1.42 | 4.27 | 7.36 | 9.53 | 10.5 | 10.3 | 9.06 | 6.67 | 3.60 | 1.12 | 0.31 | 0.20 | 0.12 | 0.06 | 65.2 | 0.00 |
| -64 | 0.04 | 0.07 | 0.12 | 0.17 | 0.25 | 0.38 | 0.77 | 1.47 | 1.89 | 1.85 | 1.36 | 0.72 | 0.41 | 0.29 | 0.20 | 0.14 | 0.09 | 0.05 | 10.2 | 0.00 |
| -72 | 0.03 | 0.05 | 0.08 | 0.11 | 0.16 | 0.22 | 0.28 | 0.34 | 0.38 | 0.39 | 0.35 | 0.30 | 0.24 | 0.18 | 0.13 | 0.09 | 0.06 | 0.03 | 3.42 | 0.00 |
| HORIZONTAL(DEG) | | | | | | | | | | | | | | | | | | | | |
| Φ t | 1.28 | 5.22 | 45.3 | 111 | 175 | 235 | 294 | 462 | 699 | 672 | 411 | 279 | 224 | 163 | 101 | 38.8 | 4.69 | 1.65 | 3957 | |
| Φ a | 0.00 | 0.00 | 0.00 | 21.3 | 113 | 180 | 242 | 411 | 650 | 623 | 362 | 229 | 170 | 92.8 | 0.89 | 0.00 | 0.00 | 0.00 | | 3092 |

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks:

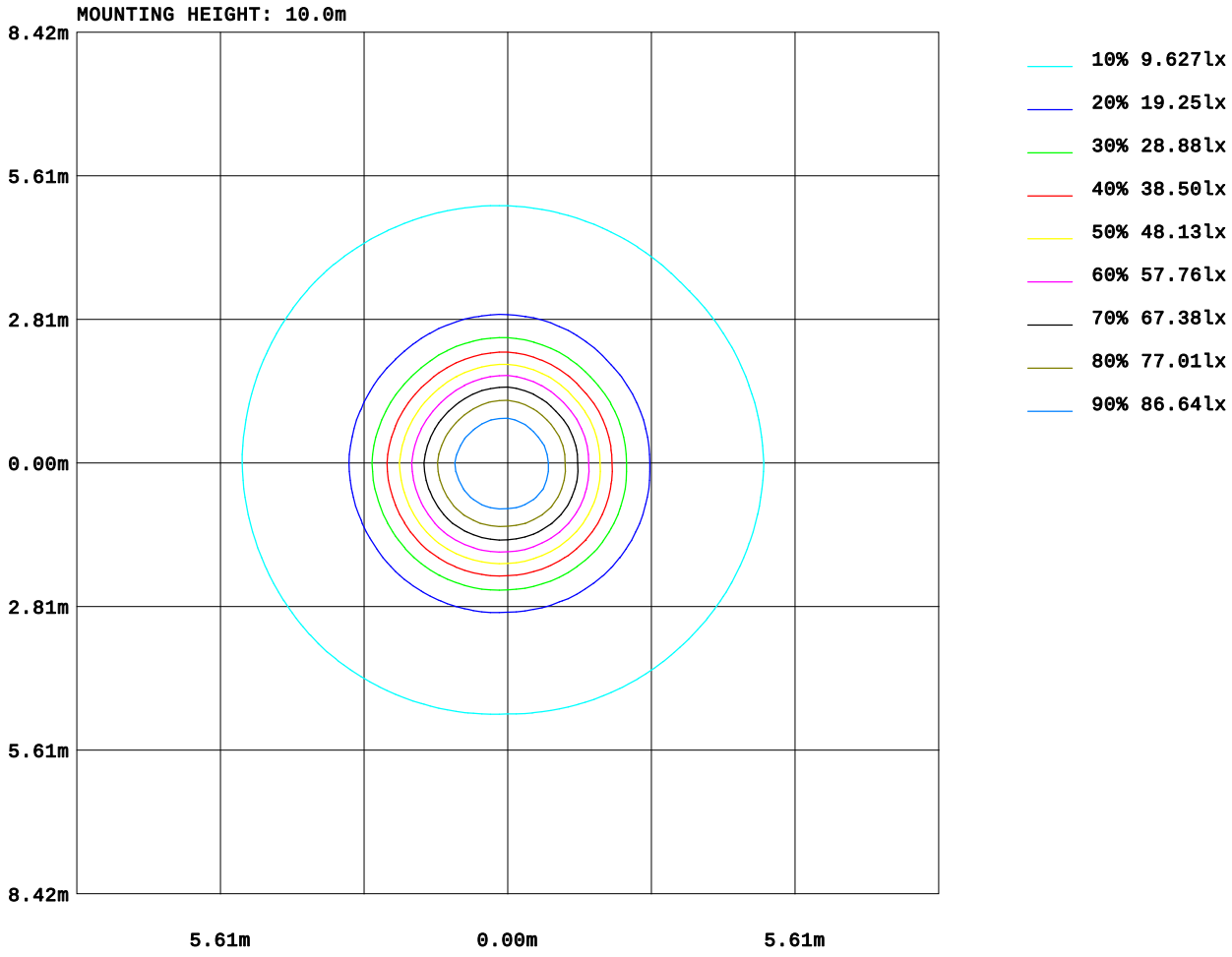
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# ISOLUX DIAGRAM

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | | |
| Address: | | |
| NAME: HCP-251485 | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |




Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.300 m
Remarks: