# LAMP PHOTOMETRIC REPORT

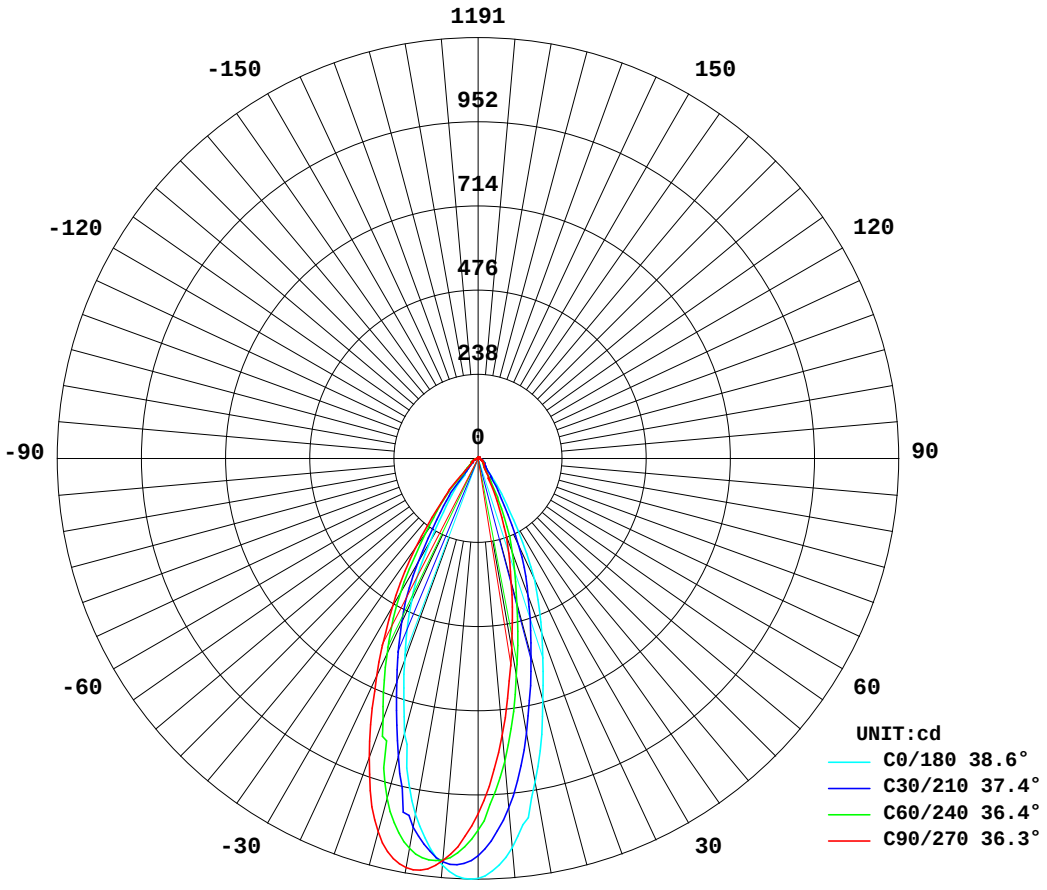
**MODEL: JXL-COB02-R08W-WH-CCT**

**POWER: 8W** **VOLTAGE: 120V** **WORKING VOLTAGE: 120.0V**

**MANUFACTURER:**

**TOTAL FLUX: 689.44 lm** **Efficiency: 86.723 lm/W**

**Test: U: 120.0V I: 0.069A P: 7.950W PF: 0.958**



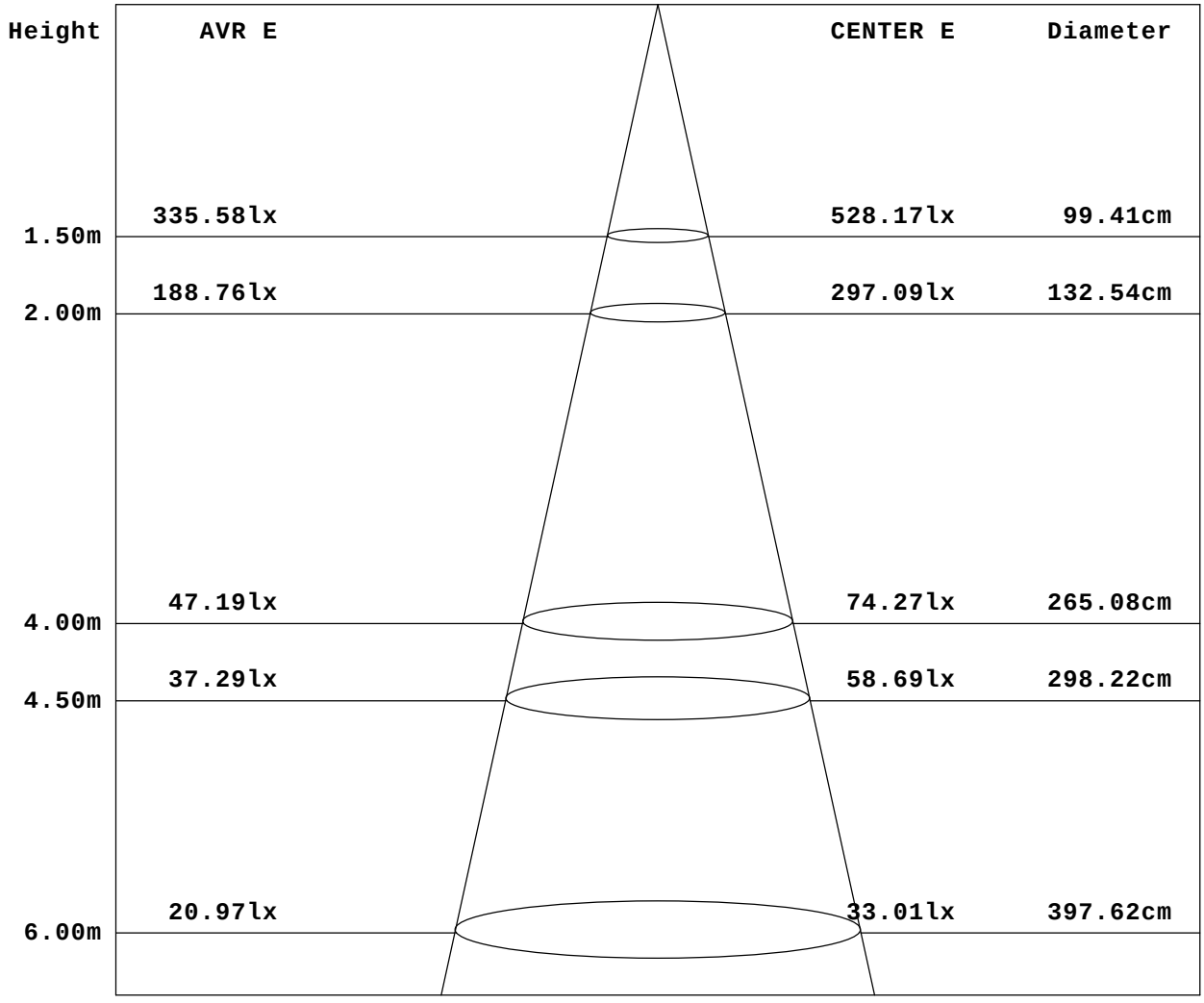

**AVERAGE BEAM ANGLE(50%):37.2 DEG**

**Test System:HOPOO HPG1800** **Test Set: 5.0deg/s C-Gamma (TYPE C)**
**Temperature:25.3DEG** **Humidity:65.0%**
**Operators:** **Test Distance:5.900 m**
**Test Date:2021年10月30日** **Remarks:**

# AVERAGE AND CENTER E Figure

Report number:

| MANUFACTURER: | Address: | |
|---|---|---|
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION:JXL-COB02-R08W-WH-CCT | DIMENSION: | SERIAL No.: |




Angle:36.7deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年10月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

# ZONAL FLUX DIAGRAM

Report number:

| MANUFACTURER: | Address: | |
|---|---|---|
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION:JXL-COB02-R08W-WH-CCT | DIMENSION: | SERIAL No.: |

| g | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | g | zone | total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.0 | 1155 | 1143 | 1141 | 1139 | 1106 | 928.2 | 786.8 | 722.8 | 0- 5 | 24.55 | 24.55 |
| 10.0 | 1022 | 1090 | 1175 | 1215 | 928.8 | 707.5 | 549.1 | 501.4 | 5- 10 | 67.72 | 92.27 |
| 15.0 | 807.2 | 934.9 | 1093 | 1177 | 709.1 | 502.8 | 362.7 | 338.1 | 10- 15 | 96.54 | 188.8 |
| 20.0 | 607.4 | 731.6 | 900.6 | 1030 | 527.3 | 349.9 | 233.0 | 193.6 | 15- 20 | 107.5 | 296.4 |
| 25.0 | 447.3 | 561.2 | 680.1 | 788.3 | 377.5 | 215.2 | 111.8 | 86.43 | 20- 25 | 102.1 | 398.6 |
| 30.0 | 274.0 | 392.7 | 486.6 | 581.0 | 201.3 | 100.4 | 54.37 | 41.33 | 25- 30 | 85.05 | 483.6 |
| 35.0 | 143.3 | 223.9 | 309.6 | 405.5 | 93.74 | 50.12 | 32.23 | 29.51 | 30- 35 | 63.04 | 546.7 |
| 40.0 | 63.63 | 119.9 | 163.1 | 234.8 | 39.33 | 31.20 | 27.08 | 23.60 | 35- 40 | 42.41 | 589.1 |
| 45.0 | 40.13 | 51.04 | 70.97 | 130.6 | 28.75 | 24.92 | 22.83 | 20.38 | 40- 45 | 25.77 | 614.8 |
| 50.0 | 28.05 | 31.24 | 31.53 | 55.05 | 20.67 | 20.69 | 20.57 | 17.42 | 45- 50 | 15.70 | 630.5 |
| 55.0 | 24.19 | 22.83 | 22.52 | 32.54 | 19.28 | 18.13 | 15.42 | 12.93 | 50- 55 | 10.63 | 641.2 |
| 60.0 | 21.23 | 21.16 | 19.70 | 22.48 | 14.82 | 13.90 | 12.42 | 10.16 | 55- 60 | 8.769 | 649.9 |
| 65.0 | 15.42 | 16.06 | 17.96 | 21.33 | 11.27 | 11.08 | 9.259 | 7.240 | 60- 65 | 7.460 | 657.4 |
| 70.0 | 12.70 | 12.34 | 11.76 | 16.51 | 8.075 | 8.267 | 6.370 | 4.751 | 65- 70 | 6.084 | 663.5 |
| 75.0 | 9.572 | 9.276 | 8.876 | 12.11 | 5.047 | 5.795 | 3.863 | 2.958 | 70- 75 | 4.525 | 668.0 |
| 80.0 | 6.753 | 6.318 | 5.882 | 8.980 | 2.784 | 3.776 | 2.541 | 1.862 | 75- 80 | 3.264 | 671.3 |
| 85.0 | 4.177 | 3.863 | 3.481 | 6.109 | 1.462 | 2.227 | 2.367 | 1.740 | 80- 85 | 2.221 | 673.5 |
| 90.0 | 2.680 | 2.332 | 1.670 | 3.759 | 1.218 | 1.775 | 2.262 | 1.705 | 85- 90 | 1.475 | 675.0 |
| 95.0 | 2.471 | 1.827 | 1.079 | 2.401 | 1.253 | 1.705 | 2.158 | 1.670 | 90- 95 | 1.102 | 676.1 |
| 100.0 | 2.332 | 1.757 | 1.113 | 1.844 | 1.287 | 1.670 | 2.088 | 1.653 | 95-100 | 0.963 | 677.0 |
| 105.0 | 2.227 | 1.723 | 1.113 | 1.792 | 1.322 | 1.670 | 2.053 | 1.670 | 100-105 | 0.916 | 678.0 |
| 110.0 | 2.158 | 1.670 | 1.148 | 1.740 | 1.392 | 1.688 | 2.053 | 1.757 | 105-110 | 0.889 | 678.8 |
| 115.0 | 2.123 | 1.670 | 1.183 | 1.705 | 1.462 | 1.740 | 2.088 | 1.879 | 110-115 | 0.868 | 679.7 |
| 120.0 | 2.123 | 1.688 | 1.218 | 1.688 | 1.601 | 1.862 | 2.227 | 2.088 | 115-120 | 0.862 | 680.6 |
| 125.0 | 2.193 | 1.723 | 1.287 | 1.705 | 1.775 | 2.036 | 2.436 | 2.367 | 120-125 | 0.868 | 681.4 |
| 130.0 | 2.332 | 1.862 | 1.392 | 1.757 | 2.018 | 2.314 | 2.749 | 2.715 | 125-130 | 0.889 | 682.3 |
| 135.0 | 2.575 | 2.036 | 1.566 | 1.844 | 2.332 | 2.610 | 3.098 | 3.115 | 130-135 | 0.917 | 683.2 |
| 140.0 | 2.854 | 2.314 | 1.810 | 2.018 | 2.715 | 2.993 | 3.481 | 3.515 | 135-140 | 0.945 | 684.2 |
| 145.0 | 3.202 | 2.645 | 2.123 | 2.280 | 3.132 | 3.359 | 3.863 | 3.881 | 140-145 | 0.960 | 685.2 |
| 150.0 | 3.585 | 3.028 | 2.506 | 2.628 | 3.515 | 3.707 | 4.142 | 4.142 | 145-150 | 0.948 | 686.1 |
| 155.0 | 3.898 | 3.411 | 2.924 | 3.011 | 3.829 | 3.968 | 4.351 | 4.333 | 150-155 | 0.898 | 687.0 |
| 160.0 | 4.177 | 3.742 | 3.306 | 3.393 | 4.142 | 4.159 | 4.490 | 4.455 | 155-160 | 0.804 | 687.8 |
| 165.0 | 4.386 | 4.003 | 3.655 | 3.759 | 4.386 | 4.299 | 4.594 | 4.507 | 160-165 | 0.671 | 688.5 |
| 170.0 | 4.560 | 4.177 | 3.968 | 4.055 | 4.594 | 4.386 | 4.664 | 4.507 | 165-170 | 0.505 | 689.0 |
| 175.0 | 4.699 | 4.299 | 4.177 | 4.281 | 4.699 | 4.420 | 4.629 | 4.438 | 170-175 | 0.313 | 689.3 |
| 180.0 | 4.734 | 4.403 | 4.351 | 4.438 | 4.803 | 4.386 | 4.490 | 4.333 | 175-180 | 0.106 | 689.4 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | |

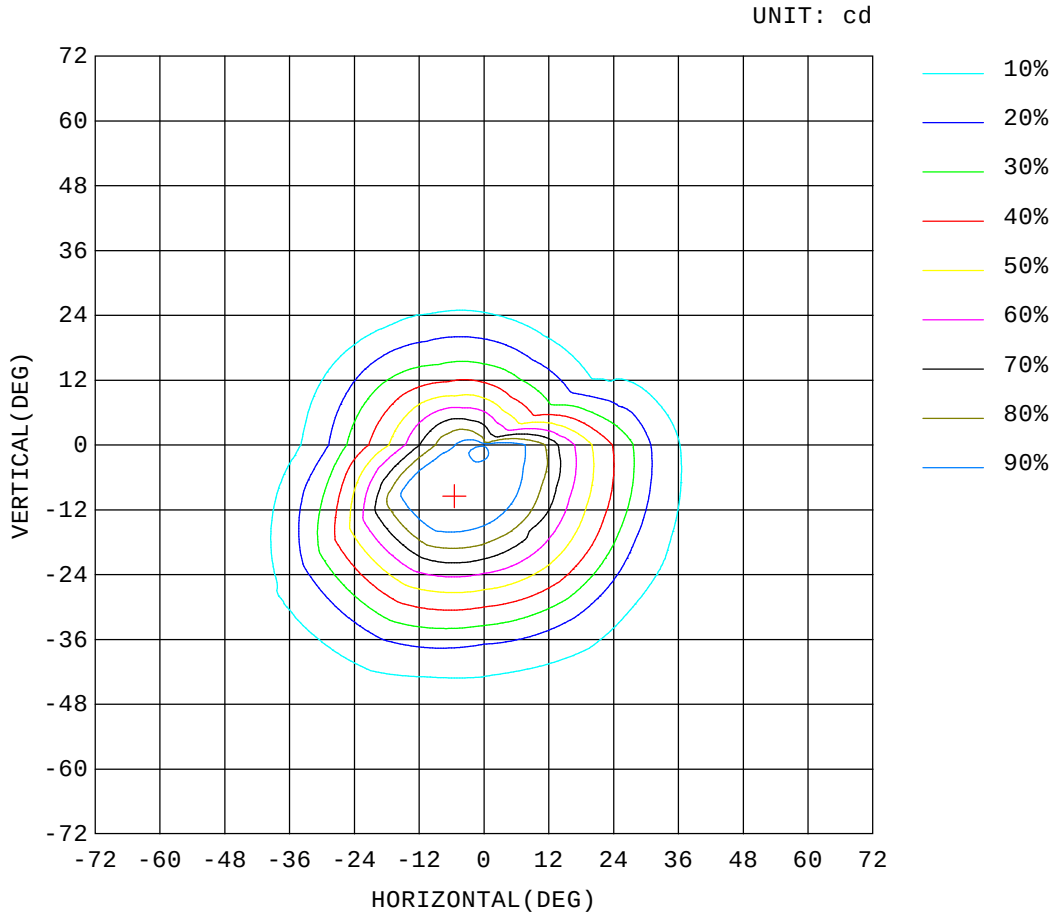
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年10月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

# ISOCANDELA DIAGRAM

**Report number:**

| | | |
|---|---|---|
| **MANUFACTURER:** | **Address:** | |
| **NAME:** | **TYPE:** | **WEIGHT:** |
| **SPECIFICATION:JXL-COB02-R08W-WH-CCT** | **DIMENSION:** | **SERIAL No.:** |



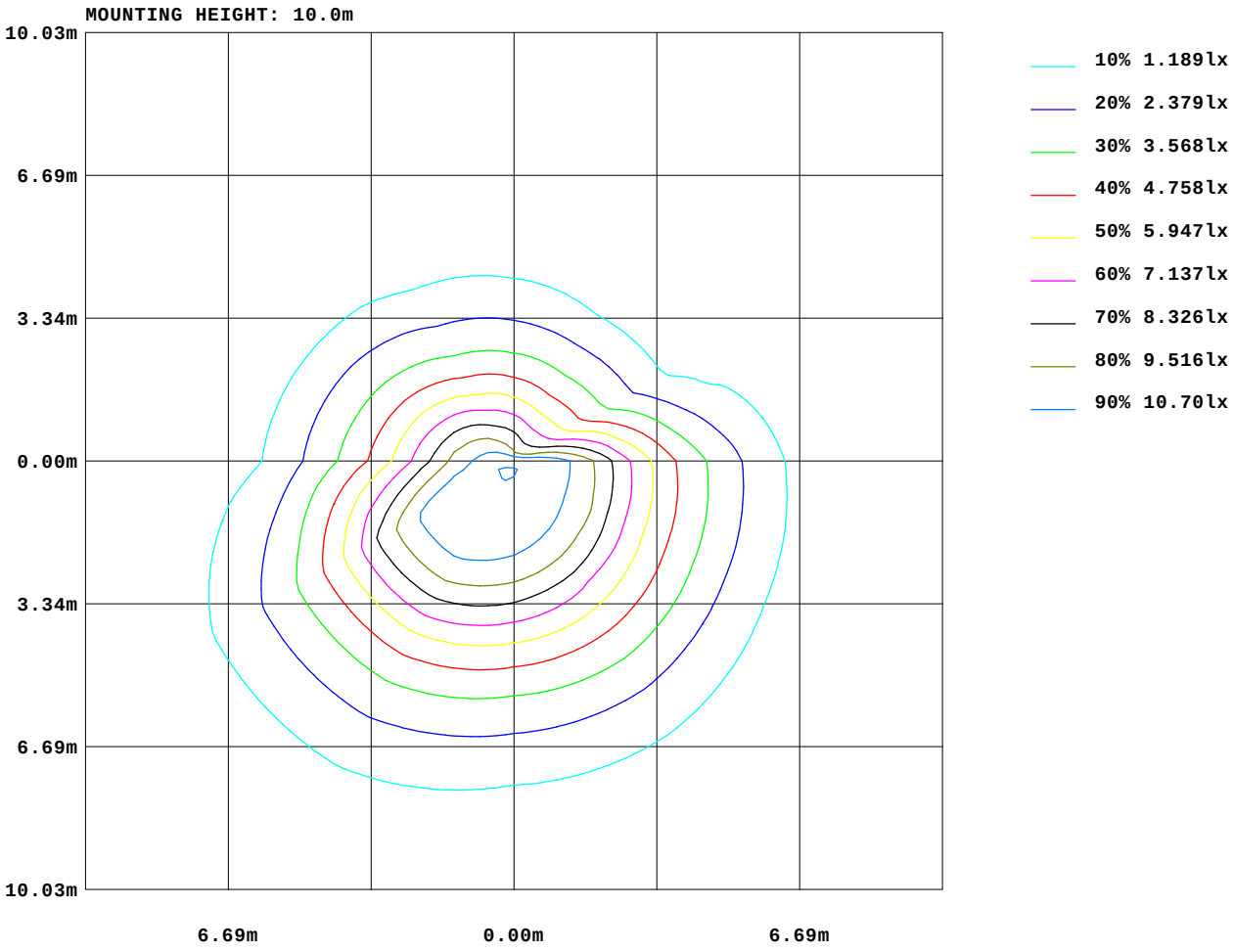

**Test System:HOPOO HPG1800**
**Temperature:25.3DEG**
**Operators:**
**Test Date:2021年10月30日**

**Test Set: 5.0deg/s C-Gamma (TYPE C)**
**Humidity:65.0%**
**Test Distance:5.900 m**
**Remarks:**

# ISOLUX DIAGRAM

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | Address: | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION:JXL-COB02-R08W-WH-CCT | DIMENSION: | SERIAL No.: |




Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年10月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

# AREA LUMINOUS FLUX

**Report number:**

| | | |
|---|---|---|
| **MANUFACTURER:** | **Address:** | |
| **NAME:** | **TYPE:** | **WEIGHT:** |
| **SPECIFICATION:JXL-COB02-R08W-WH-CCT** | **DIMENSION:** | **SERIAL No.:** |

| VERTICAL(DEG) | AREA FLUX DIAGRAM UNIT:lm | | | | | | | | | | | | | | | | | | Φ t | Φ a |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | 0.03 | 0.06 | 0.08 | 0.09 | 0.10 | 0.10 | 0.12 | 0.13 | 0.14 | 0.14 | 0.11 | 0.09 | 0.06 | 0.05 | 0.05 | 0.04 | 0.03 | 0.03 | 1.43 | 1.43 |
| 64 | 0.04 | 0.07 | 0.11 | 0.13 | 0.15 | 0.17 | 0.19 | 0.22 | 0.24 | 0.23 | 0.20 | 0.15 | 0.12 | 0.10 | 0.08 | 0.06 | 0.04 | 0.03 | 2.31 | 2.31 |
| 56 | 0.04 | 0.09 | 0.14 | 0.18 | 0.21 | 0.24 | 0.28 | 0.33 | 0.36 | 0.35 | 0.29 | 0.23 | 0.18 | 0.16 | 0.12 | 0.08 | 0.06 | 0.04 | 3.37 | 3.37 |
| 48 | 0.05 | 0.10 | 0.17 | 0.23 | 0.29 | 0.33 | 0.36 | 0.41 | 0.45 | 0.44 | 0.39 | 0.32 | 0.27 | 0.21 | 0.16 | 0.12 | 0.08 | 0.05 | 4.44 | 4.44 |
| 40 | 0.06 | 0.12 | 0.20 | 0.29 | 0.36 | 0.43 | 0.47 | 0.54 | 0.61 | 0.58 | 0.49 | 0.39 | 0.35 | 0.29 | 0.21 | 0.16 | 0.10 | 0.06 | 5.70 | 5.70 |
| 32 | 0.06 | 0.13 | 0.23 | 0.32 | 0.47 | 0.65 | 0.92 | 1.25 | 1.50 | 1.24 | 0.79 | 0.55 | 0.44 | 0.35 | 0.28 | 0.20 | 0.13 | 0.07 | 9.58 | 9.58 |
| 24 | 0.07 | 0.14 | 0.24 | 0.36 | 0.61 | 1.33 | 2.72 | 4.08 | 4.66 | 3.95 | 2.26 | 1.06 | 0.62 | 0.50 | 0.36 | 0.24 | 0.15 | 0.08 | 23.4 | 23.4 |
| | 0.07 | 0.15 | 0.25 | 0.40 | 0.89 | 2.68 | 5.90 | 8.44 | 9.47 | 8.11 | 5.37 | 2.87 | 1.90 | 0.97 | 0.46 | 0.27 | 0.18 | 0.09 | 48.5 | 48.5 |
| | 0.07 | 0.15 | 0.25 | 0.43 | 1.24 | 4.17 | 8.69 | 13.7 | 17.1 | 14.3 | 11.7 | 8.24 | 4.59 | 1.67 | 0.57 | 0.30 | 0.19 | 0.10 | 87.7 | 87.7 |
| | 0.07 | 0.15 | 0.27 | 0.64 | 2.09 | 6.15 | 12.5 | 19.6 | 22.2 | 21.9 | 17.8 | 11.3 | 6.06 | 2.07 | 0.62 | 0.31 | 0.20 | 0.10 | 124 | 124 |
| | 0.08 | 0.16 | 0.30 | 0.93 | 3.04 | 7.91 | 15.1 | 21.2 | 22.7 | 21.0 | 16.1 | 10.4 | 5.41 | 1.88 | 0.56 | 0.29 | 0.19 | 0.10 | 128 | 128 |
| -24 | 0.08 | 0.15 | 0.30 | 0.92 | 3.03 | 7.35 | 12.0 | 16.5 | 17.9 | 16.2 | 12.6 | 8.30 | 3.92 | 1.33 | 0.46 | 0.27 | 0.17 | 0.09 | 102 | 102 |
| -32 | 0.07 | 0.15 | 0.27 | 0.64 | 2.15 | 4.73 | 8.12 | 10.6 | 11.2 | 10.4 | 8.30 | 5.12 | 2.41 | 0.75 | 0.35 | 0.25 | 0.15 | 0.08 | 65.9 | 65.9 |
| -40 | 0.07 | 0.15 | 0.24 | 0.44 | 1.05 | 2.46 | 4.24 | 5.50 | 5.70 | 5.12 | 3.99 | 2.52 | 1.09 | 0.51 | 0.30 | 0.22 | 0.13 | 0.08 | 33.8 | 33.8 |
| -48 | 0.06 | 0.14 | 0.23 | 0.33 | 0.54 | 0.99 | 1.69 | 2.04 | 2.01 | 1.74 | 1.35 | 0.90 | 0.58 | 0.37 | 0.28 | 0.18 | 0.11 | 0.06 | 13.6 | 13.6 |
| -56 | 0.05 | 0.11 | 0.21 | 0.29 | 0.38 | 0.52 | 0.65 | 0.68 | 0.61 | 0.56 | 0.53 | 0.48 | 0.41 | 0.33 | 0.23 | 0.14 | 0.09 | 0.05 | 6.33 | 6.33 |
| -64 | 0.05 | 0.09 | 0.15 | 0.24 | 0.33 | 0.40 | 0.42 | 0.42 | 0.40 | 0.39 | 0.40 | 0.39 | 0.34 | 0.25 | 0.18 | 0.12 | 0.07 | 0.04 | 4.69 | 4.69 |
| -72 | 0.04 | 0.08 | 0.12 | 0.17 | 0.23 | 0.30 | 0.32 | 0.31 | 0.29 | 0.28 | 0.28 | 0.26 | 0.24 | 0.19 | 0.13 | 0.09 | 0.05 | 0.03 | 3.41 | 3.41 |
| | -72 | -64 | -56 | -48 | -40 | -32 | -24 | -16 | HORIZONTAL(DEG) | | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | | |
| Φ t | 1.05 | 2.17 | 3.73 | 7.04 | 17.1 | 40.9 | 74.9 | 106 | 118 | 107 | 83.1 | 53.7 | 29.0 | 11.9 | 5.40 | 3.33 | 2.14 | 1.19 | 689 | |
| Φ a | 1.05 | 2.17 | 3.73 | 7.04 | 17.1 | 40.9 | 74.9 | 106 | 118 | 107 | 83.1 | 53.7 | 29.0 | 11.9 | 5.40 | 3.33 | 2.14 | 1.19 | | 689 |

**Test System:HOPOO HPG1800**
**Temperature:25.3DEG**
**Operators:**
**Test Date:2021年10月30日**

**Test Set: 5.0deg/s C-Gamma (TYPE C)**
**Humidity:65.0%**
**Test Distance:5.900 m**
**Remarks:**

# CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

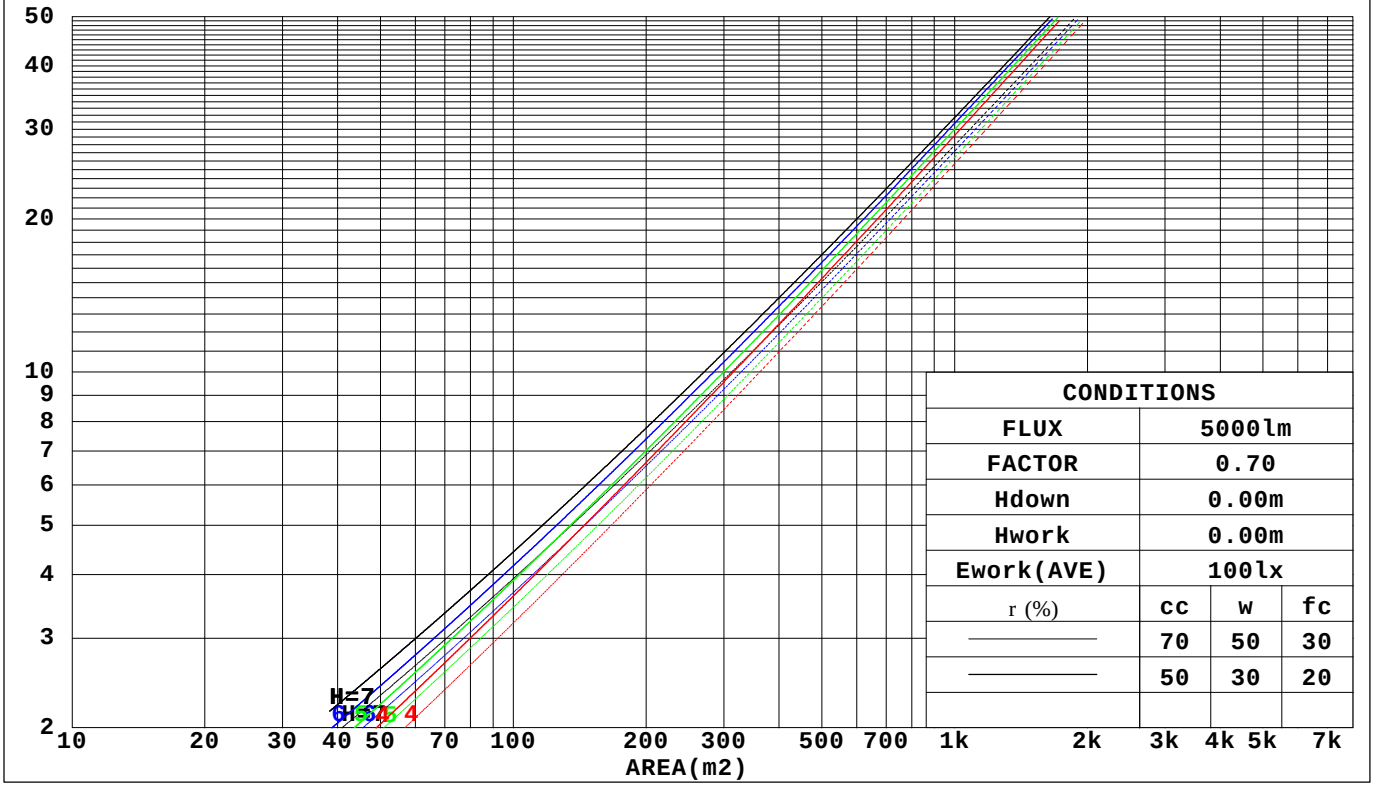
Report number:

| | | |
|---|---|---|
| MANUFACTURER: | Address: | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION:JXL-COB02-R08W-WH-CCT | DIMENSION: | SERIAL No.: |

| rcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| rfc | 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 | 1.10 | 1.07 | 1.04 | 1.07 | 1.05 | 1.03 | 1.03 | 1.01 | .99 | .99 | .97 | .96 | .95 | .94 | .93 | .91 |
| 2.0 | 1.01 | .97 | .94 | .00 | .96 | .92 | .96 | .93 | .90 | .93 | .90 | .88 | .90 | .88 | .86 | .84 |
| 3.0 | .94 | .89 | .85 | .93 | .88 | .84 | .90 | .86 | .83 | .87 | .84 | .81 | .85 | .82 | .80 | .78 |
| 4.0 | .88 | .83 | .78 | .87 | .82 | .78 | .85 | .80 | .76 | .82 | .78 | .75 | .80 | .77 | .74 | .73 |
| 5.0 | .83 | .77 | .72 | .82 | .76 | .72 | .80 | .75 | .71 | .78 | .74 | .70 | .76 | .72 | .70 | .68 |
| 6.0 | .78 | .72 | .67 | .77 | .71 | .67 | .75 | .70 | .66 | .74 | .69 | .66 | .72 | .68 | .65 | .64 |
| 7.0 | .73 | .67 | .63 | .73 | .67 | .63 | .71 | .66 | .62 | .70 | .65 | .62 | .68 | .64 | .61 | .60 |
| 8.0 | .69 | .63 | .59 | .69 | .63 | .59 | .67 | .62 | .59 | .66 | .62 | .58 | .65 | .61 | .58 | .57 |
| 9.0 | .66 | .60 | .56 | .65 | .60 | .56 | .64 | .59 | .56 | .63 | .59 | .55 | .62 | .58 | .55 | .54 |
| 10.0 | .63 | .57 | .53 | .62 | .57 | .53 | .61 | .56 | .53 | .60 | .56 | .52 | .59 | .55 | .52 | .51 |

LAMPS

LUMINAIRE BUDGETARY DIAGRAM




| CONDITIONS | | | |
|---|---|---|---|
| FLUX | 5000lm | | |
| FACTOR | 0.70 | | |
| Hdown | 0.00m | | |
| Hwork | 0.00m | | |
| Ework(AVE) | 100lx | | |
| r (%) | cc | w | fc |
| ——— | 70 | 50 | 30 |
| ——— | 50 | 30 | 20 |
| | | | |

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年10月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

# WEC AND CCEC

Report number:

| MANUFACTURER: | Address: | |
|---|---|---|
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION:JXL-COB02-R08W-WH-CCT | DIMENSION: | SERIAL No.: |

| $r_{cc}$ | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $r_w$ | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| $r_{fc}$ | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coeffcients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .192 | .109 | .035 | .184 | .105 | .033 | .171 | .098 | .031 | .158 | .091 | .029 | .146 | .085 | .027 | |
| 2.0 | .181 | .099 | .030 | .174 | .096 | .030 | .163 | .090 | .028 | .152 | .085 | .027 | .142 | .080 | .025 | |
| 3.0 | .170 | .090 | .027 | .165 | .088 | .027 | .154 | .084 | .025 | .145 | .079 | .024 | .136 | .075 | .023 | |
| 4.0 | .160 | .083 | .024 | .155 | .081 | .024 | .147 | .078 | .023 | .138 | .074 | .022 | .131 | .071 | .022 | |
| 5.0 | .151 | .077 | .022 | .147 | .076 | .022 | .139 | .073 | .021 | .132 | .070 | .021 | .125 | .067 | .020 | |
| 6.0 | .143 | .072 | .021 | .140 | .071 | .020 | .133 | .068 | .020 | .126 | .066 | .019 | .120 | .063 | .019 | |
| 7.0 | .136 | .067 | .019 | .133 | .066 | .019 | .127 | .064 | .018 | .121 | .062 | .018 | .116 | .060 | .018 | |
| 8.0 | .129 | .063 | .018 | .127 | .062 | .018 | .121 | .060 | .017 | .116 | .059 | .017 | .111 | .057 | .017 | |
| 9.0 | .123 | .060 | .017 | .121 | .059 | .017 | .116 | .057 | .016 | .111 | .056 | .016 | .107 | .054 | .016 | |
| 10.0 | .118 | .057 | .016 | .116 | .056 | .016 | .111 | .054 | .015 | .107 | .053 | .015 | .103 | .052 | .015 | |

| $r_{cc}$ | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $r_w$ | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| $r_{fc}$ | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .206 | .206 | .206 | .176 | .176 | .176 | .120 | .120 | .120 | .069 | .069 | .069 | .022 | .022 | .022 | |
| 1.0 | .188 | .173 | .160 | .161 | .149 | .138 | .110 | .102 | .095 | .063 | .059 | .055 | .020 | .019 | .018 | |
| 2.0 | .174 | .149 | .128 | .149 | .128 | .110 | .102 | .089 | .077 | .059 | .051 | .045 | .019 | .017 | .015 | |
| 3.0 | .161 | .130 | .105 | .138 | .112 | .091 | .095 | .078 | .064 | .055 | .045 | .038 | .018 | .015 | .012 | |
| 4.0 | .151 | .115 | .088 | .130 | .100 | .076 | .089 | .069 | .054 | .052 | .041 | .032 | .017 | .013 | .010 | |
| 5.0 | .142 | .104 | .075 | .122 | .090 | .066 | .084 | .063 | .046 | .049 | .037 | .027 | .016 | .012 | .009 | |
| 6.0 | .135 | .095 | .066 | .116 | .082 | .057 | .080 | .057 | .040 | .046 | .034 | .024 | .015 | .011 | .008 | |
| 7.0 | .128 | .087 | .058 | .110 | .075 | .051 | .076 | .053 | .036 | .044 | .031 | .021 | .014 | .010 | .007 | |
| 8.0 | .122 | .081 | .052 | .105 | .070 | .046 | .073 | .049 | .032 | .042 | .029 | .019 | .014 | .010 | .006 | |
| 9.0 | .117 | .076 | .048 | .101 | .066 | .042 | .070 | .046 | .030 | .041 | .027 | .018 | .013 | .009 | .006 | |
| 10.0 | .112 | .071 | .044 | .097 | .062 | .038 | .067 | .044 | .027 | .039 | .026 | .016 | .013 | .008 | .005 | |

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年10月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

# Uncorrected UGR Table

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | Address: | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION:JXL-COB02-R08W-WH-CCT | 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 | 20.1 | 21.1 | 20.4 | 21.3 | 21.5 | 22.8 | 23.8 | 23.1 | 24.0 | 24.2 |
| 3H | 20.7 | 21.6 | 21.0 | 21.9 | 22.1 | 23.1 | 24.0 | 23.4 | 24.3 | 24.5 |
| 4H | 21.1 | 21.9 | 21.4 | 22.2 | 22.5 | 23.3 | 24.1 | 23.6 | 24.4 | 24.7 |
| 6H | 21.5 | 22.3 | 21.8 | 22.5 | 22.8 | 23.5 | 24.3 | 23.8 | 24.5 | 24.8 |
| 8H | 21.7 | 22.4 | 22.0 | 22.7 | 23.0 | 23.5 | 24.3 | 23.9 | 24.6 | 24.9 |
| 12H | 21.8 | 22.5 | 22.2 | 22.9 | 23.2 | 23.6 | 24.3 | 24.0 | 24.6 | 24.9 |
| 4H 2H | 20.3 | 21.1 | 20.6 | 21.4 | 21.7 | 22.8 | 23.6 | 23.1 | 23.9 | 24.1 |
| 3H | 21.1 | 21.8 | 21.4 | 22.1 | 22.4 | 23.3 | 24.0 | 23.6 | 24.3 | 24.6 |
| 4H | 21.6 | 22.2 | 21.9 | 22.6 | 22.9 | 23.6 | 24.3 | 24.0 | 24.6 | 25.0 |
| 6H | 22.1 | 22.6 | 22.5 | 23.0 | 23.4 | 23.9 | 24.5 | 24.3 | 24.9 | 25.3 |
| 8H | 22.3 | 22.8 | 22.7 | 23.2 | 23.6 | 24.1 | 24.6 | 24.5 | 25.0 | 25.4 |
| 12H | 22.5 | 23.0 | 23.0 | 23.4 | 23.9 | 24.2 | 24.7 | 24.6 | 25.1 | 25.5 |
| 8H 4H | 21.8 | 22.3 | 22.2 | 22.7 | 23.1 | 23.7 | 24.2 | 24.1 | 24.6 | 25.0 |
| 6H | 22.3 | 22.8 | 22.8 | 23.2 | 23.7 | 24.1 | 24.6 | 24.6 | 25.0 | 25.5 |
| 8H | 22.6 | 23.0 | 23.1 | 23.5 | 24.0 | 24.4 | 24.8 | 24.9 | 25.2 | 25.7 |
| 12H | 23.0 | 23.3 | 23.5 | 23.8 | 24.3 | 24.7 | 25.0 | 25.2 | 25.5 | 26.0 |
| 12H 4H | 21.8 | 22.3 | 22.2 | 22.7 | 23.1 | 23.6 | 24.1 | 24.1 | 24.5 | 25.0 |
| 6H | 22.4 | 22.8 | 22.9 | 23.3 | 23.8 | 24.2 | 24.5 | 24.6 | 25.0 | 25.5 |
| 8H | 22.7 | 23.1 | 23.2 | 23.6 | 24.1 | 24.5 | 24.8 | 25.0 | 25.3 | 25.8 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.9 / - 0.8 | | | | | + 1.7 / - 1.9 | | | | |
| 1.5H | + 1.8 / - 0.7 | | | | | + 3.4 / - 1.9 | | | | |
| 2.0H | + 0.5 / - 0.6 | | | | | + 1.6 / - 0.8 | | | | |

CIE Pub.117 Corrected 689.4 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.3)

Test System:HOPOO HPG1800 Test Set: 5.0deg/s C-Gamma (TYPE C)
Temperature:25.3DEG Humidity:65.0%
Operators: Test Distance:5.900 m
Test Date:2021年10月30日 Remarks:

# UTILIZATION FACTORS TABLE

**Report number:**

| | | |
|---|---|---|
| **MANUFACTURER:** | **Address:** | |
| **NAME:** | **TYPE:** | **WEIGHT:** |
| **SPECIFICATION:JXL-COB02-R08W-WH-CCT** | **DIMENSION:** | **SERIAL No.:** |

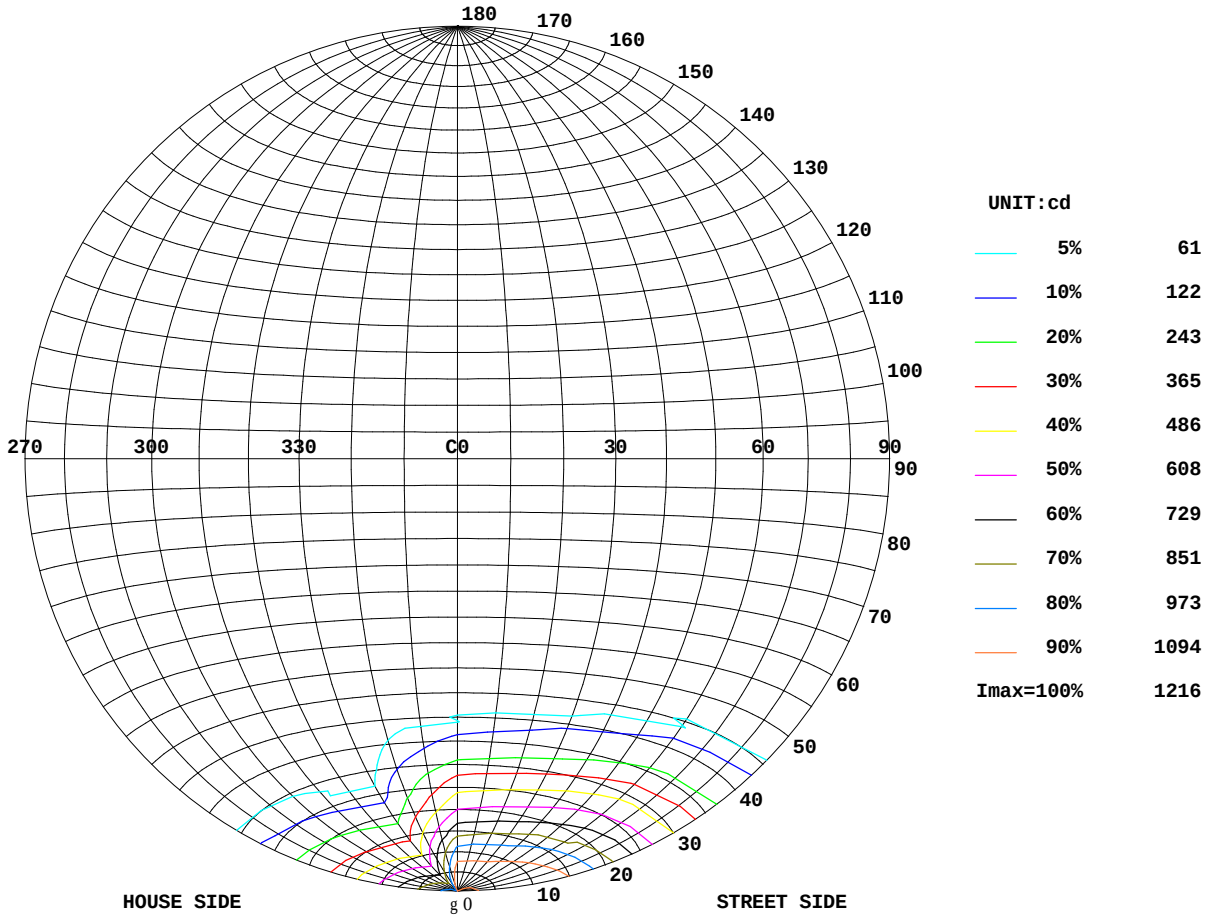
| REFLECTANCE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 83 | 75 | 71 | 82 | 75 | 71 | 81 | 75 | 71 | 67 |
| 0.80 | 90 | 84 | 79 | 89 | 83 | 79 | 88 | 82 | 79 | 75 |
| 1.00 | 95 | 89 | 85 | 94 | 88 | 84 | 92 | 88 | 84 | 79 |
| 1.25 | 100 | 94 | 90 | 98 | 93 | 89 | 96 | 92 | 88 | 83 |
| 1.50 | 103 | 97 | 93 | 101 | 96 | 93 | 99 | 95 | 91 | 86 |
| 2.00 | 106 | 101 | 97 | 104 | 100 | 96 | 101 | 98 | 95 | 89 |
| 2.50 | 108 | 103 | 100 | 106 | 102 | 99 | 103 | 99 | 97 | 90 |
| 3.00 | 110 | 106 | 103 | 108 | 104 | 101 | 104 | 101 | 99 | 92 |
| 4.00 | 112 | 109 | 106 | 110 | 107 | 105 | 106 | 103 | 102 | 94 |
| 5.00 | 113 | 111 | 109 | 111 | 109 | 107 | 107 | 105 | 103 | 95 |
| 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:5.900 m**
**Test Date:2021年10月30日** **Remarks:**

# ISOCANDELA DIAGRAM

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | Address: | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION:JXL-COB02-R08W-WH-CCT | DIMENSION: | SERIAL No.: |



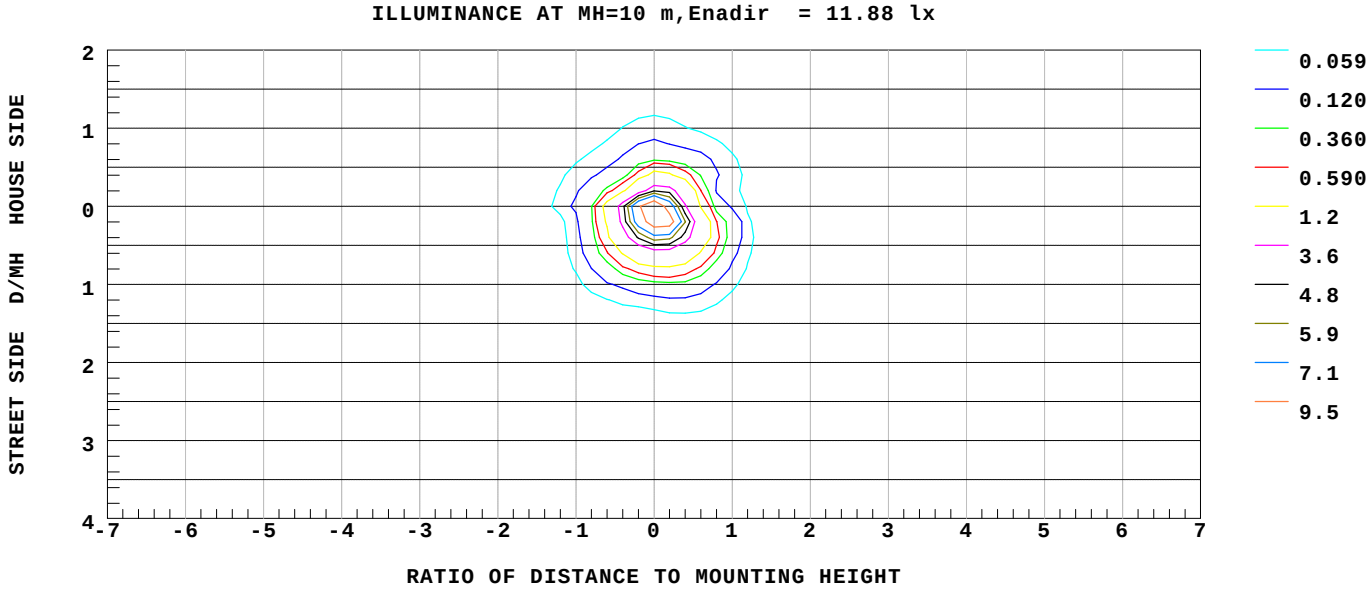

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年10月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

# ISOLUX DIAGRAM

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | Address: | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION:JXL-COB02-R08W-WH-CCT | DIMENSION: | SERIAL No.: |



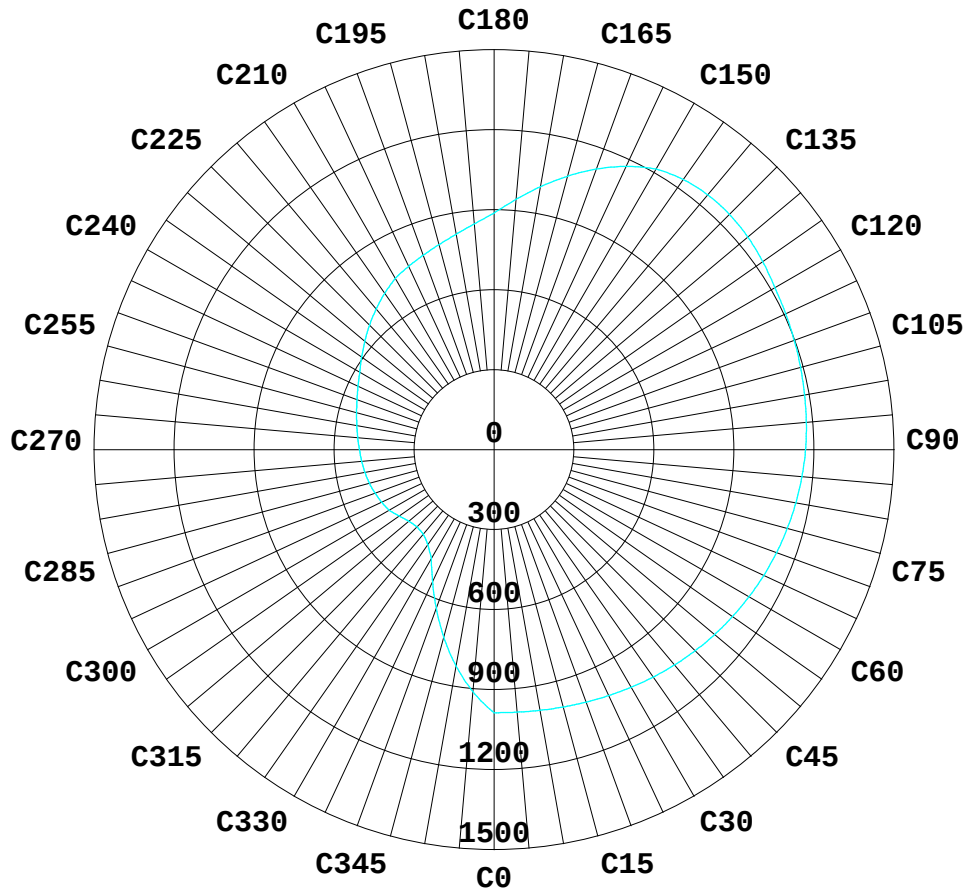

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年10月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

# ISOCANDELA DIAGRAM

Report number:

| | | |
|---|---|---|
| MANUFACTURER: | Address: | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION:JXL-COB02-R08W-WH-CCT | DIMENSION: | SERIAL No.: |




HOUSE SIDE Max @ g = 11.0DEG STREET SIDE

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021年10月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

**Report number:**

| | | |
|---|---|---|
| **MANUFACTURER:** | **Address:** | |
| **NAME:** | **TYPE:** | **WEIGHT:** |
| **SPECIFICATION:JXL-COB02-R08W-WH-CCT** | **DIMENSION:** | **SERIAL No.:** |

UNIT: cd

| C(DEG) / γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 1188 | 1124 | 1051 | 1006 | 959 | 975 | 1188 | 1124 | 1051 | 1006 | 959 | 975 |
| 5.0 | 1155 | 1146 | 1140 | 1141 | 1136 | 1142 | 1106 | 994 | 862 | 787 | 714 | 732 |
| 10.0 | 1022 | 1059 | 1120 | 1175 | 1214 | 1215 | 929 | 790 | 626 | 549 | 491 | 512 |
| 15.0 | 807 | 873 | 997 | 1093 | 1180 | 1173 | 709 | 579 | 426 | 363 | 330 | 346 |
| 20.0 | 607 | 675 | 789 | 901 | 1026 | 1033 | 527 | 415 | 285 | 233 | 186 | 201 |
| 25.0 | 447 | 512 | 610 | 680 | 797 | 780 | 378 | 274 | 156 | 112 | 78.4 | 94.3 |
| 30.0 | 274 | 344 | 442 | 487 | 590 | 572 | 201 | 133 | 67.5 | 54.3 | 35.0 | 47.6 |
| 35.0 | 143 | 187 | 261 | 310 | 414 | 397 | 93.7 | 69.0 | 31.1 | 32.2 | 26.6 | 32.4 |
| 40.0 | 63.6 | 85.1 | 155 | 163 | 244 | 225 | 39.3 | 37.4 | 24.9 | 27.0 | 21.0 | 26.1 |
| 45.0 | 40.1 | 38.3 | 63.7 | 70.9 | 137 | 124 | 28.7 | 29.7 | 20.1 | 22.8 | 18.5 | 22.2 |
| 50.0 | 28.0 | 24.8 | 37.6 | 31.5 | 62.3 | 47.7 | 20.6 | 23.2 | 18.1 | 20.5 | 15.5 | 19.2 |
| 55.0 | 24.1 | 20.9 | 24.7 | 22.5 | 36.1 | 28.9 | 19.2 | 21.1 | 15.1 | 15.4 | 11.3 | 14.4 |
| 60.0 | 21.2 | 18.9 | 23.3 | 19.7 | 24.7 | 20.1 | 14.8 | 16.4 | 11.3 | 12.4 | 8.66 | 11.6 |
| 65.0 | 15.4 | 12.7 | 19.3 | 17.9 | 23.2 | 19.4 | 11.2 | 13.5 | 8.66 | 9.25 | 5.91 | 8.56 |
| 70.0 | 12.7 | 10.3 | 14.3 | 11.7 | 19.0 | 14.0 | 8.07 | 10.5 | 5.95 | 6.37 | 3.58 | 5.91 |
| 75.0 | 9.57 | 7.37 | 11.1 | 8.87 | 13.6 | 10.5 | 5.04 | 7.90 | 3.68 | 3.86 | 1.98 | 3.93 |
| 80.0 | 6.75 | 4.62 | 8.00 | 5.88 | 10.4 | 7.51 | 2.78 | 5.49 | 2.05 | 2.54 | 1.07 | 2.64 |
| 85.0 | 4.17 | 2.33 | 5.39 | 3.48 | 7.37 | 4.83 | 1.46 | 3.37 | 1.07 | 2.36 | 1.07 | 2.40 |
| 90.0 | 2.68 | 1.14 | 3.51 | 1.67 | 4.83 | 2.68 | 1.21 | 2.43 | 1.11 | 2.26 | 1.11 | 2.29 |
| 95.0 | 2.47 | 1.11 | 2.54 | 1.07 | 3.27 | 1.53 | 1.25 | 2.29 | 1.11 | 2.15 | 1.14 | 2.19 |
| 100.0 | 2.33 | 1.14 | 2.36 | 1.11 | 2.50 | 1.18 | 1.28 | 2.19 | 1.14 | 2.08 | 1.18 | 2.12 |
| 105.0 | 2.22 | 1.18 | 2.26 | 1.11 | 2.36 | 1.21 | 1.32 | 2.12 | 1.21 | 2.05 | 1.25 | 2.08 |
| 110.0 | 2.15 | 1.18 | 2.15 | 1.14 | 2.26 | 1.21 | 1.39 | 2.08 | 1.28 | 2.05 | 1.39 | 2.12 |
| 115.0 | 2.12 | 1.25 | 2.08 | 1.18 | 2.15 | 1.25 | 1.46 | 2.08 | 1.39 | 2.08 | 1.56 | 2.19 |
| 120.0 | 2.12 | 1.32 | 2.05 | 1.21 | 2.08 | 1.28 | 1.60 | 2.15 | 1.56 | 2.22 | 1.81 | 2.36 |
| 125.0 | 2.19 | 1.42 | 2.01 | 1.28 | 2.05 | 1.35 | 1.77 | 2.26 | 1.81 | 2.43 | 2.12 | 2.61 |
| 130.0 | 2.33 | 1.63 | 2.08 | 1.39 | 2.05 | 1.46 | 2.01 | 2.47 | 2.15 | 2.74 | 2.50 | 2.92 |
| 135.0 | 2.57 | 1.87 | 2.19 | 1.56 | 2.08 | 1.60 | 2.33 | 2.71 | 2.50 | 3.09 | 2.92 | 3.30 |
| 140.0 | 2.85 | 2.22 | 2.40 | 1.81 | 2.22 | 1.81 | 2.71 | 3.06 | 2.92 | 3.48 | 3.34 | 3.68 |
| 145.0 | 3.20 | 2.61 | 2.68 | 2.12 | 2.43 | 2.12 | 3.13 | 3.41 | 3.30 | 3.86 | 3.72 | 4.03 |
| 150.0 | 3.58 | 3.02 | 3.02 | 2.50 | 2.74 | 2.50 | 3.51 | 3.75 | 3.65 | 4.14 | 4.00 | 4.28 |
| 155.0 | 3.89 | 3.41 | 3.41 | 2.92 | 3.09 | 2.92 | 3.82 | 4.03 | 3.89 | 4.35 | 4.17 | 4.49 |
| 160.0 | 4.17 | 3.72 | 3.75 | 3.30 | 3.48 | 3.30 | 4.14 | 4.24 | 4.07 | 4.49 | 4.31 | 4.59 |
| 165.0 | 4.38 | 3.96 | 4.03 | 3.65 | 3.82 | 3.68 | 4.38 | 4.42 | 4.17 | 4.59 | 4.38 | 4.62 |
| 170.0 | 4.56 | 4.10 | 4.24 | 3.96 | 4.10 | 4.00 | 4.59 | 4.49 | 4.28 | 4.66 | 4.38 | 4.62 |
| 175.0 | 4.69 | 4.24 | 4.35 | 4.17 | 4.31 | 4.24 | 4.69 | 4.56 | 4.28 | 4.62 | 4.31 | 4.56 |
| 180.0 | 4.73 | 4.35 | 4.45 | 4.35 | 4.45 | 4.42 | 4.80 | 4.49 | 4.28 | 4.49 | 4.24 | 4.42 |

**Test System:HOPOO HPG1800** **Test Set: 5.0deg/s C-Gamma (TYPE C)**
**Temperature:25.3DEG** **Humidity:65.0%**
**Operators:** **Test Distance:5.900 m**
**Test Date:2021年10月30日** **Remarks:**