

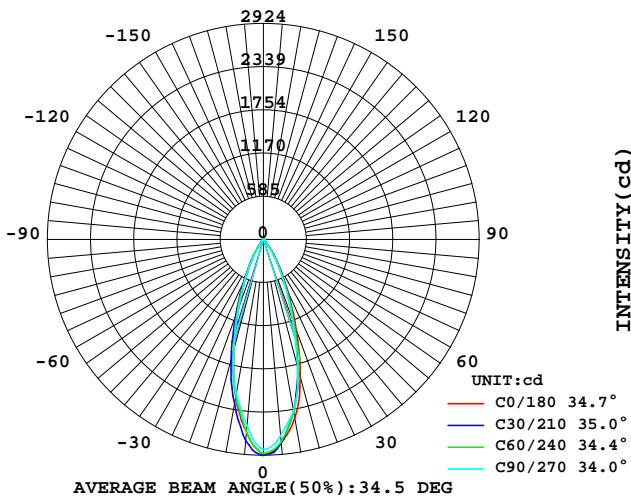
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

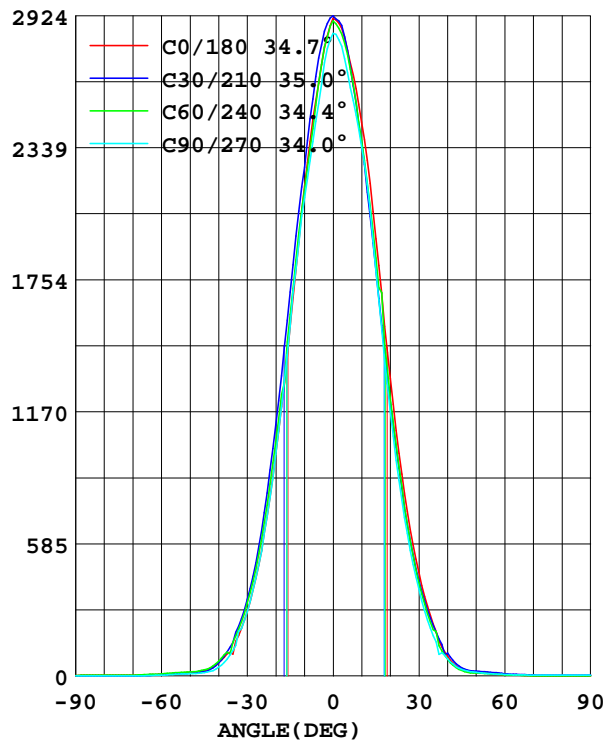
|                                     |              |            |             |
|-------------------------------------|--------------|------------|-------------|
| MANUFACTURER:                       |              |            |             |
| Address:                            |              |            |             |
| NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK |              | TYPE:      | WEIGHT:     |
| SPECIFICATION:                      | CCT(K): 2700 | DIMENSION: | SERIAL No.: |

|                  |        |                    |        |                  |       |
|------------------|--------|--------------------|--------|------------------|-------|
| DATA OF LAMP     |        | Imax(cd)           | 2924   | S/MH(C0/180)     | 0.52  |
| MODEL            |        | EFFICIENCY(%)      | 100.0  | S/MH(C90/270)    | 0.53  |
| NOMINAL POWER(W) | 15     | TOTAL FLUX(lm)     | 1167.1 | Voltage(V)       | 120.5 |
| RATED VOLTAGE(V) | 120    | EFFICIENCY(lm/W)   | 77.2   | Current(A)       | 0.127 |
| NOMINAL FLUX(lm) | 1167.1 | h up(%)            | 1.1    | Power(W)         | 15.12 |
| LAMPS QUANTITY   | 1      | h down(%)          | 98.9   | Power Factor(PF) | 0.987 |
| TEST VOLTAGE(V)  | 120.5  | Effictive Flux(lm) | 1167.1 | EET              | 0.173 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



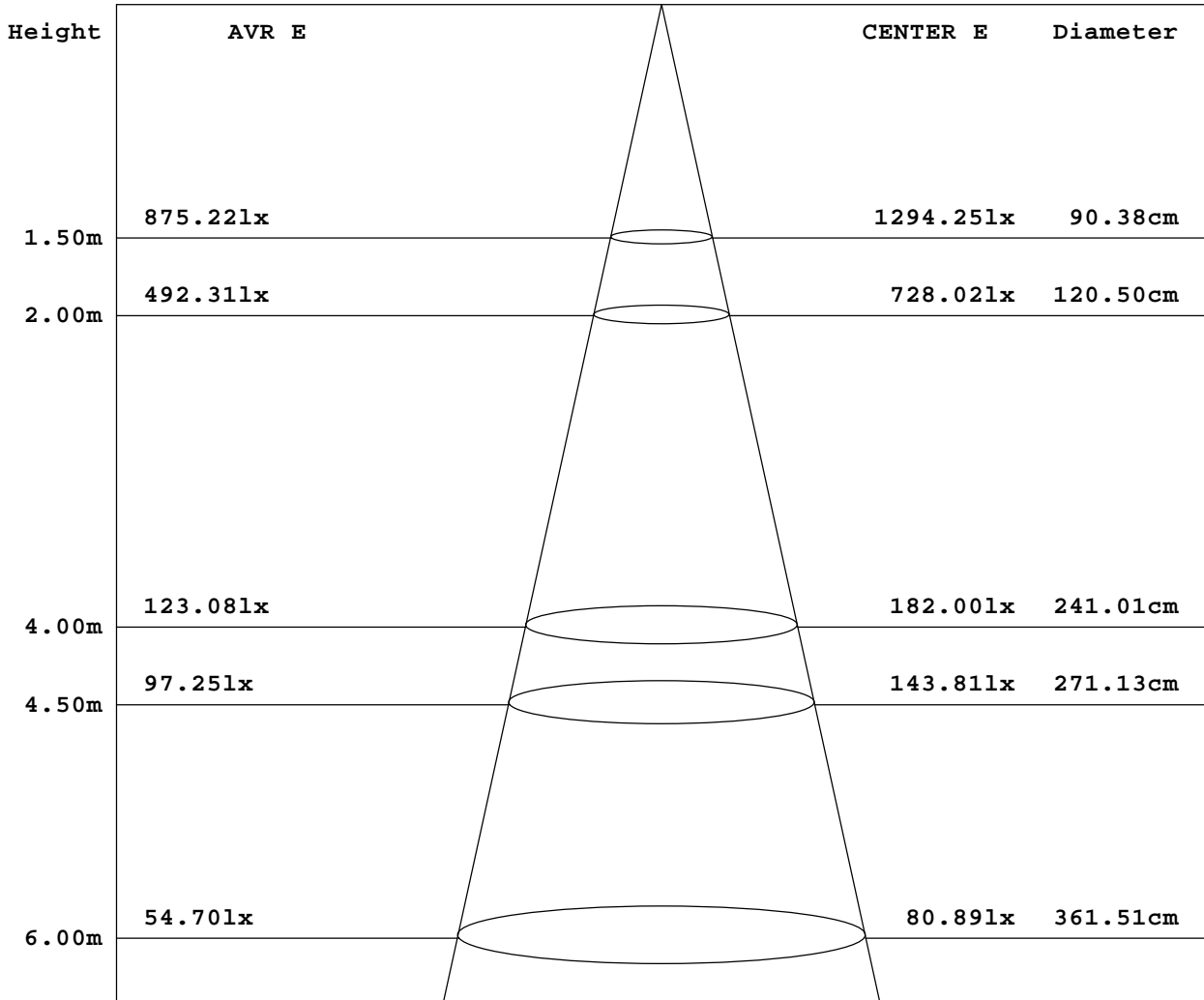
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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

## AVERAGE AND CENTER E Figure

Report number:

|                                     |              |            |             |
|-------------------------------------|--------------|------------|-------------|
| MANUFACTURER:                       |              |            |             |
| Address:                            |              |            |             |
| NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK |              | TYPE:      | WEIGHT:     |
| SPECIFICATION:                      | CCT(K): 2700 | DIMENSION: | SERIAL No.: |



Angle: 33.5deg

Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024/02/02

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

## ZONAL FLUX DIAGRAM

Report number:

|  |              |                   |                    |
|--|--------------|-------------------|--------------------|
| <b>MANUFACTURER:</b>                       |              |                   |                    |
| <b>Address:</b>                            |              |                   |                    |
| <b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-SM-BK |              | <b>TYPE:</b>      | <b>WEIGHT:</b>     |
| <b>SPECIFICATION:</b>                      | CCT(K): 2700 | <b>DIMENSION:</b> | <b>SERIAL No.:</b> |

| g     | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | g       | zone    | tTotal |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|--------|
| 5.0   | 2625                  | 2681  | 2535  | 2568  | 2770  | 2763  | 2672  | 2593  | 0- 5    | 65.83   | 65.83  |
| 10.0  | 2169                  | 2204  | 2118  | 2252  | 2453  | 2367  | 2346  | 2209  | 5- 10   | 174.7   | 240.5  |
| 15.0  | 1550                  | 1651  | 1550  | 1711  | 1936  | 1824  | 1792  | 1659  | 10- 15  | 235.3   | 475.9  |
| 20.0  | 983.8                 | 1075  | 982.0 | 1096  | 1315  | 1219  | 1169  | 1009  | 15- 20  | 227.6   | 703.5  |
| 25.0  | 556.4                 | 626.9 | 554.0 | 650.4 | 809.8 | 745.8 | 700.2 | 580.4 | 20- 25  | 179.8   | 883.4  |
| 30.0  | 286.1                 | 331.6 | 284.8 | 350.4 | 460.4 | 418.0 | 385.7 | 298.3 | 25- 30  | 123.3   | 1007   |
| 35.0  | 97.74                 | 148.6 | 113.0 | 149.7 | 228.9 | 214.2 | 178.0 | 121.3 | 30- 35  | 72.68   | 1079   |
| 40.0  | 58.27                 | 61.14 | 38.29 | 57.71 | 86.50 | 87.91 | 76.47 | 46.22 | 35- 40  | 34.36   | 1114   |
| 45.0  | 24.92                 | 23.39 | 15.42 | 23.72 | 28.99 | 30.38 | 28.75 | 19.70 | 40- 45  | 14.83   | 1129   |
| 50.0  | 16.01                 | 14.81 | 10.40 | 13.90 | 14.82 | 17.09 | 15.97 | 11.78 | 45- 50  | 7.235   | 1136   |
| 55.0  | 12.14                 | 11.83 | 7.518 | 10.84 | 11.13 | 13.14 | 9.990 | 8.719 | 50- 55  | 5.503   | 1141   |
| 60.0  | 7.553                 | 6.805 | 3.689 | 6.526 | 5.708 | 7.327 | 6.927 | 5.221 | 55- 60  | 3.964   | 1145   |
| 65.0  | 5.291                 | 4.438 | 1.531 | 4.351 | 3.341 | 5.030 | 4.594 | 3.742 | 60- 65  | 2.488   | 1148   |
| 70.0  | 3.933                 | 2.332 | 0.661 | 2.280 | 1.113 | 2.558 | 4.037 | 2.367 | 65- 70  | 1.594   | 1149   |
| 75.0  | 3.550                 | 2.123 | 0.661 | 2.071 | 1.009 | 2.332 | 3.689 | 2.210 | 70- 75  | 1.195   | 1151   |
| 80.0  | 3.272                 | 1.966 | 0.696 | 1.931 | 1.044 | 2.193 | 3.376 | 2.071 | 75- 80  | 1.138   | 1152   |
| 85.0  | 2.993                 | 1.844 | 0.661 | 1.792 | 1.079 | 2.088 | 3.167 | 1.966 | 80- 85  | 1.085   | 1153   |
| 90.0  | 2.784                 | 1.757 | 0.696 | 1.688 | 1.113 | 1.966 | 2.958 | 1.862 | 85- 90  | 1.035   | 1154   |
| 95.0  | 2.610                 | 1.653 | 0.696 | 1.618 | 1.148 | 1.879 | 2.784 | 1.792 | 90- 95  | 0.987   | 1155   |
| 100.0 | 2.471                 | 1.601 | 0.731 | 1.566 | 1.148 | 1.810 | 2.645 | 1.705 | 95-100  | 0.940   | 1156   |
| 105.0 | 2.332                 | 1.549 | 0.766 | 1.496 | 1.148 | 1.723 | 2.471 | 1.636 | 100-105 | 0.889   | 1157   |
| 110.0 | 2.227                 | 1.514 | 0.801 | 1.462 | 1.183 | 1.653 | 2.332 | 1.566 | 105-110 | 0.837   | 1158   |
| 115.0 | 2.158                 | 1.479 | 0.835 | 1.427 | 1.183 | 1.583 | 2.193 | 1.514 | 110-115 | 0.787   | 1158   |
| 120.0 | 2.088                 | 1.479 | 0.870 | 1.427 | 1.183 | 1.549 | 2.088 | 1.462 | 115-120 | 0.738   | 1159   |
| 125.0 | 2.053                 | 1.514 | 0.975 | 1.409 | 1.253 | 1.514 | 1.984 | 1.444 | 120-125 | 0.692   | 1160   |
| 130.0 | 2.123                 | 1.601 | 1.113 | 1.479 | 1.322 | 1.566 | 1.949 | 1.496 | 125-130 | 0.663   | 1160   |
| 135.0 | 2.262                 | 1.810 | 1.357 | 1.601 | 1.496 | 1.688 | 2.018 | 1.636 | 130-135 | 0.661   | 1161   |
| 140.0 | 2.575                 | 2.140 | 1.740 | 1.879 | 1.810 | 1.949 | 2.158 | 1.914 | 135-140 | 0.685   | 1162   |
| 145.0 | 3.063                 | 2.645 | 2.262 | 2.297 | 2.297 | 2.367 | 2.506 | 2.349 | 140-145 | 0.739   | 1162   |
| 150.0 | 3.689                 | 3.289 | 2.993 | 2.906 | 2.924 | 2.924 | 2.993 | 2.958 | 145-150 | 0.807   | 1163   |
| 155.0 | 4.455                 | 4.055 | 3.759 | 3.620 | 3.724 | 3.655 | 3.655 | 3.672 | 150-155 | 0.864   | 1164   |
| 160.0 | 5.221                 | 4.821 | 4.560 | 4.368 | 4.594 | 4.438 | 4.420 | 4.455 | 155-160 | 0.876   | 1165   |
| 165.0 | 5.952                 | 5.534 | 5.256 | 5.082 | 5.465 | 5.221 | 5.221 | 5.186 | 160-165 | 0.815   | 1166   |
| 170.0 | 6.579                 | 6.126 | 5.848 | 5.674 | 6.230 | 5.900 | 5.917 | 5.795 | 165-170 | 0.669   | 1167   |
| 175.0 | 6.996                 | 6.509 | 6.265 | 6.161 | 6.857 | 6.422 | 6.474 | 6.213 | 170-175 | 0.443   | 1167   |
| 180.0 | 7.170                 | 6.613 | 6.683 | 6.335 | 7.170 | 6.613 | 6.683 | 6.335 | 175-180 | 0.156   | 1167   |
| DEG   | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |         | UNIT:lm |        |

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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

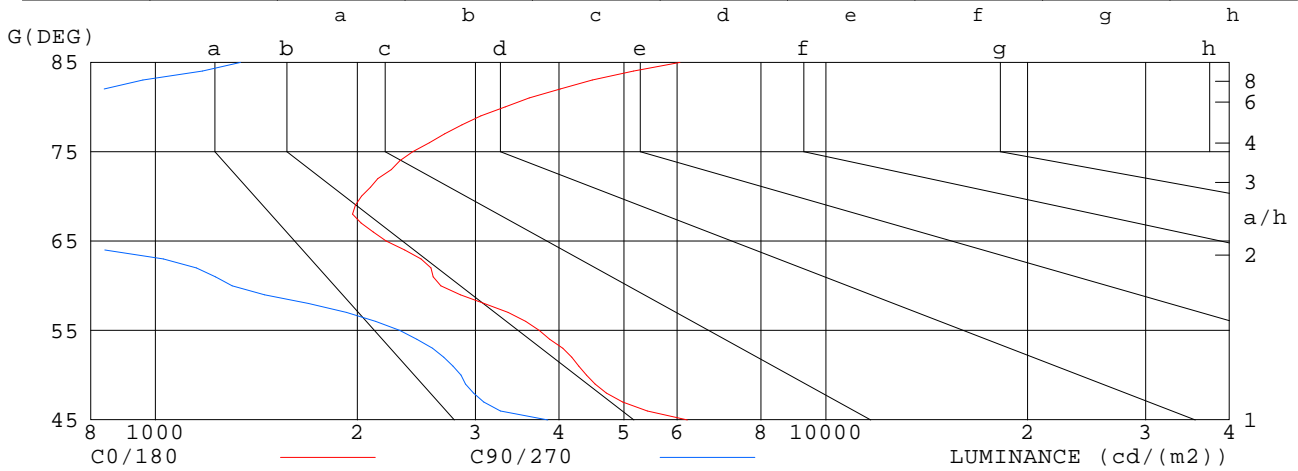
## LUMINANCE LIMITATION CURVES

Report number:

|  |                     |                   |                    |
|--|---------------------|-------------------|--------------------|
| <b>MANUFACTURER:</b>                       |                     |                   |                    |
| <b>Address:</b>                            |                     |                   |                    |
| <b>NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK</b> |                     | <b>TYPE:</b>      | <b>WEIGHT:</b>     |
| <b>SPECIFICATION:</b>                      | <b>CCT(K): 2700</b> | <b>DIMENSION:</b> | <b>SERIAL No.:</b> |

### LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) |      |      |       |       |       |       |       |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
|       |       | 2000             | 1000 | 500  | <=300 | <=300 | <=300 | <=300 | <=300 |
| 1.15  | A     |                  |      |      |       |       |       |       |       |
| 1.50  | B     |                  | 2000 | 1000 | 500   | <=300 |       |       |       |
| 1.85  | C     |                  |      | 2000 | 1000  | 500   | <=300 |       |       |
| 2.20  | D     |                  |      |      | 2000  | 1000  | 500   | <=300 |       |
| 2.55  | E     |                  |      |      |       | 2000  | 1000  | 500   | <=300 |



| G (DEG) | LUMINANCE cd/m2 |         |
|---------|-----------------|---------|
|         | C0/180          | C90/270 |
| 85      | 6058            | 1338    |
| 80      | 3323            | 707     |
| 75      | 2419            | 451     |
| 70      | 2028            | 341     |
| 65      | 2208            | 639     |
| 60      | 2664            | 1302    |
| 55      | 3736            | 2312    |
| 50      | 4394            | 2856    |
| 45      | 6217            | 3846    |

**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/02/02

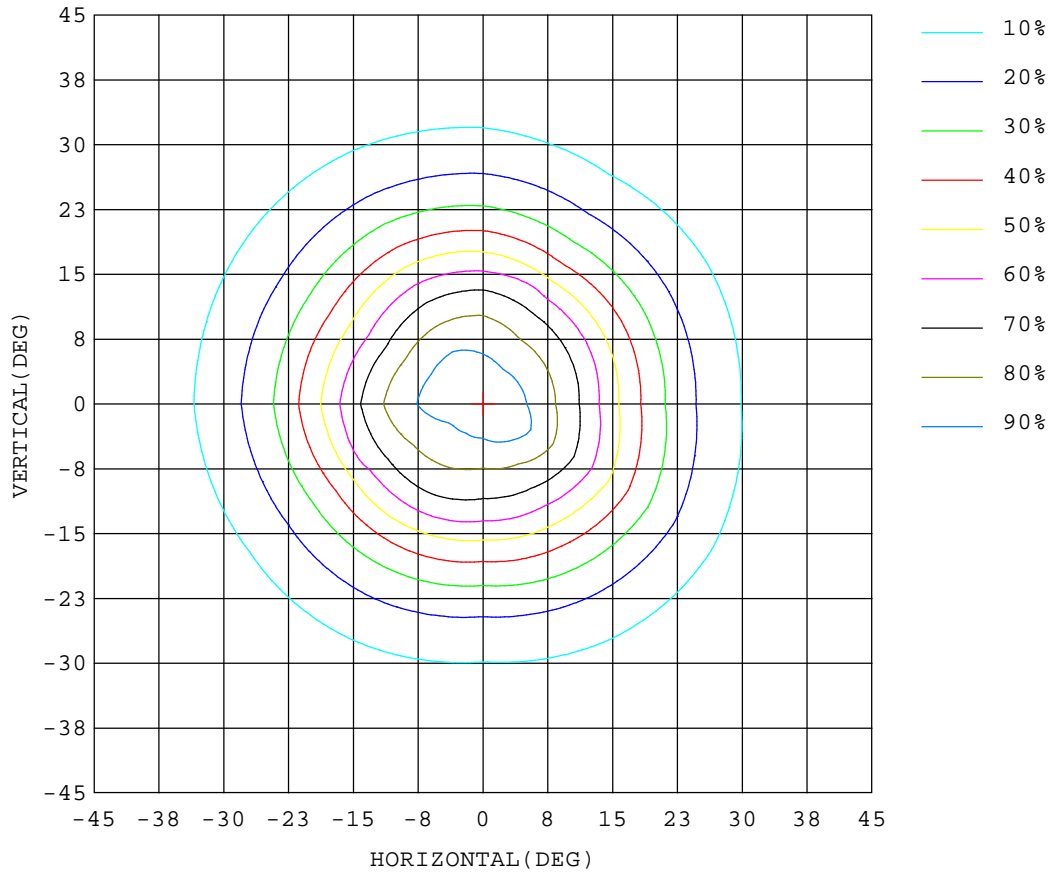
**Test Set:** 5.0deg/s C-Gamma (TYPE C)  
**Humidity:**65.0%  
**Test Distance:**5.900 m  
**Remarks:**

# ISOCANDELA DIAGRAM

Report number:

|  |                     |                   |                    |
|--|---------------------|-------------------|--------------------|
| <b>MANUFACTURER:</b>                       |                     |                   |                    |
| <b>Address:</b>                            |                     |                   |                    |
| <b>NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK</b> |                     | <b>TYPE:</b>      | <b>WEIGHT:</b>     |
| <b>SPECIFICATION:</b>                      | <b>CCT(K): 2700</b> | <b>DIMENSION:</b> | <b>SERIAL No.:</b> |

UNIT: cd



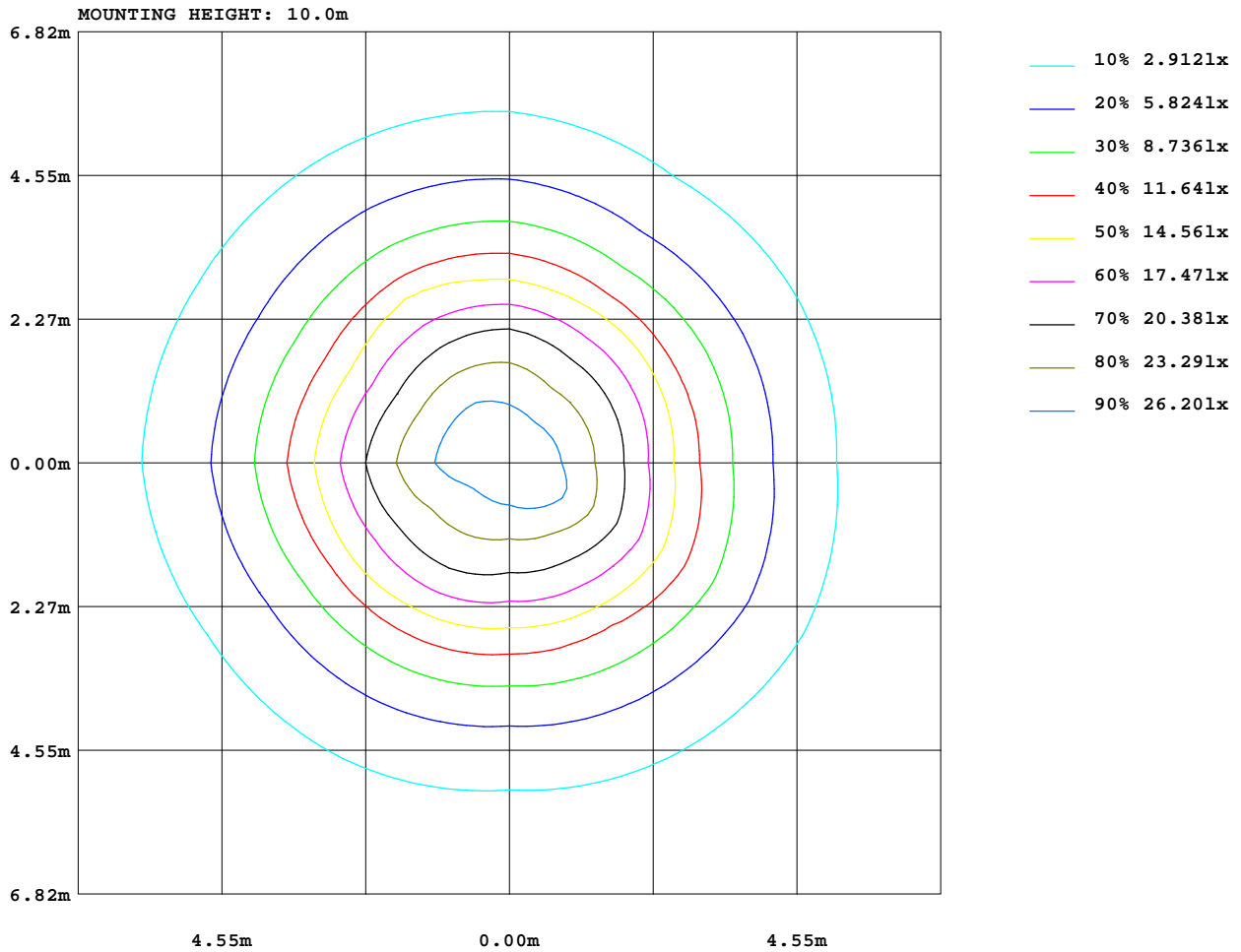
**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/02/02

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

# ISOLUX DIAGRAM

Report number:

|  |                     |                   |                    |
|--|---------------------|-------------------|--------------------|
| <b>MANUFACTURER:</b>                       |                     |                   |                    |
| <b>Address:</b>                            |                     |                   |                    |
| <b>NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK</b> |                     | <b>TYPE:</b>      | <b>WEIGHT:</b>     |
| <b>SPECIFICATION:</b>                      | <b>CCT(K): 2700</b> | <b>DIMENSION:</b> | <b>SERIAL No.:</b> |



**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/02/02

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

## AREA LUMINOUS FLUX

Report number:

|  |  |                     |  |
|--|--|---------------------|--|
| <b>MANUFACTURER:</b>                       |  |                     |  |
| <b>Address:</b>                            |  |                     |  |
| <b>NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK</b> |  | <b>TYPE:</b>        |  |
| <b>SPECIFICATION:</b>                      |  | <b>CCT(K): 2700</b> |  |
|  |  | <b>DIMENSION:</b>   |  |
|  |  | <b>SERIAL No.:</b>  |  |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      |      | UNIT:lm |      | $\Phi$ t | $\Phi$ a |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|------|---------|------|----------|----------|
|                | 45                | 40   | 35   | 30   | 25   | 20   | 15   | 10   | 5                | 0    | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40      | 45   |          |          |
| 45             | 0.07              | 0.09 | 0.10 | 0.11 | 0.12 | 0.18 | 0.25 | 0.32 | 0.36             | 0.34 | 0.27 | 0.19 | 0.12 | 0.08 | 0.07 | 0.07 | 0.06 | 0.05    | 2.84 | 2.84     |          |
| 40             | 0.09              | 0.11 | 0.13 | 0.19 | 0.30 | 0.47 | 0.65 | 0.81 | 0.87             | 0.80 | 0.63 | 0.43 | 0.25 | 0.16 | 0.12 | 0.09 | 0.08 | 0.06    | 6.25 | 6.25     |          |
| 35             | 0.11              | 0.14 | 0.23 | 0.43 | 0.73 | 1.18 | 1.61 | 1.92 | 2.07             | 1.95 | 1.57 | 1.08 | 0.62 | 0.39 | 0.23 | 0.15 | 0.10 | 0.08    | 14.6 | 14.6     |          |
| 30             | 0.12              | 0.22 | 0.46 | 0.86 | 1.52 | 2.27 | 3.06 | 3.71 | 4.03             | 3.84 | 3.17 | 2.29 | 1.52 | 0.88 | 0.48 | 0.26 | 0.15 | 0.09    | 28.9 | 28.9     |          |
| 25             | 0.15              | 0.35 | 0.76 | 1.50 | 2.49 | 3.79 | 5.23 | 6.39 | 6.96             | 6.63 | 5.50 | 4.08 | 2.81 | 1.72 | 0.89 | 0.45 | 0.21 | 0.11    | 50.0 | 50.0     |          |
| 20             | 0.19              | 0.50 | 1.15 | 2.19 | 3.69 | 5.72 | 8.04 | 10.1 | 11.1             | 10.6 | 8.72 | 6.50 | 4.46 | 2.74 | 1.48 | 0.67 | 0.31 | 0.14    | 78.4 | 78.4     |          |
| 15             | 0.24              | 0.66 | 1.55 | 2.94 | 5.00 | 7.79 | 11.1 | 14.2 | 15.7             | 15.3 | 12.8 | 9.47 | 6.36 | 3.82 | 2.05 | 0.91 | 0.41 | 0.17    | 111  | 111      |          |
| 10             | 0.28              | 0.80 | 1.89 | 3.62 | 6.27 | 9.77 | 13.7 | 17.3 | 19.0             | 18.3 | 16.0 | 12.2 | 8.02 | 4.74 | 2.51 | 1.13 | 0.49 | 0.19    | 137  | 137      |          |
| 5              | 0.30              | 0.89 | 2.10 | 4.08 | 7.14 | 11.3 | 15.8 | 19.2 | 21.3             | 20.4 | 17.8 | 13.6 | 8.96 | 5.26 | 2.75 | 1.25 | 0.52 | 0.21    | 153  | 153      |          |
| 0              | 0.29              | 0.85 | 2.06 | 4.02 | 7.02 | 11.2 | 15.7 | 18.7 | 20.2             | 20.7 | 18.2 | 13.9 | 9.18 | 5.38 | 2.80 | 1.28 | 0.53 | 0.21    | 153  | 153      |          |
| -5             | 0.24              | 0.71 | 1.75 | 3.43 | 5.95 | 9.41 | 13.5 | 16.4 | 17.6             | 17.6 | 16.1 | 12.8 | 8.61 | 5.05 | 2.64 | 1.20 | 0.50 | 0.19    | 134  | 134      |          |
| -10            | 0.19              | 0.52 | 1.31 | 2.65 | 4.55 | 7.13 | 10.2 | 12.9 | 14.1             | 13.9 | 12.4 | 9.88 | 6.96 | 4.20 | 2.22 | 1.01 | 0.42 | 0.15    | 105  | 105      |          |
| -15            | 0.14              | 0.35 | 0.85 | 1.82 | 3.22 | 5.00 | 6.97 | 8.69 | 9.53             | 9.43 | 8.47 | 6.82 | 4.83 | 3.02 | 1.67 | 0.76 | 0.30 | 0.12    | 72.0 | 72.0     |          |
| -20            | 0.10              | 0.21 | 0.49 | 1.09 | 2.04 | 3.19 | 4.37 | 5.30 | 5.74             | 5.71 | 5.21 | 4.23 | 3.03 | 1.93 | 1.05 | 0.49 | 0.19 | 0.09    | 44.5 | 44.5     |          |
| -25            | 0.07              | 0.13 | 0.28 | 0.58 | 1.07 | 1.76 | 2.44 | 2.94 | 3.15             | 3.12 | 2.88 | 2.37 | 1.73 | 1.06 | 0.59 | 0.28 | 0.12 | 0.07    | 24.6 | 24.6     |          |
| -30            | 0.06              | 0.09 | 0.16 | 0.30 | 0.52 | 0.79 | 1.10 | 1.39 | 1.51             | 1.50 | 1.39 | 1.12 | 0.82 | 0.56 | 0.31 | 0.16 | 0.09 | 0.06    | 11.9 | 11.9     |          |
| -35            | 0.05              | 0.07 | 0.10 | 0.16 | 0.25 | 0.37 | 0.46 | 0.52 | 0.54             | 0.55 | 0.54 | 0.49 | 0.40 | 0.27 | 0.16 | 0.11 | 0.08 | 0.06    | 5.19 | 5.19     |          |
| -40            | 0.04              | 0.07 | 0.09 | 0.11 | 0.14 | 0.17 | 0.19 | 0.20 | 0.19             | 0.20 | 0.21 | 0.20 | 0.18 | 0.15 | 0.12 | 0.09 | 0.07 | 0.05    | 2.46 | 2.46     |          |
| -45            | 0.04              | 0.07 | 0.09 | 0.11 | 0.14 | 0.17 | 0.19 | 0.20 | 0.19             | 0.20 | 0.21 | 0.20 | 0.18 | 0.15 | 0.12 | 0.09 | 0.07 | 0.05    | 2.46 | 2.46     |          |
|                | -45               | -40  | -35  | -30  | -25  | -20  | -15  | -10  | HORIZONTAL( DEG) | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   |         |      |          |          |
| $\Phi$ t       | 2.72              | 6.74 | 15.5 | 30.1 | 52.1 | 81.6 | 115  | 141  | 154              | 151  | 132  | 102  | 68.9 | 41.4 | 22.2 | 10.3 | 4.62 | 2.10    | 1167 |          |          |
| $\Phi$ a       | 2.72              | 6.74 | 15.5 | 30.1 | 52.1 | 81.6 | 115  | 141  | 154              | 151  | 132  | 102  | 68.9 | 41.4 | 22.2 | 10.3 | 4.62 | 2.10    |      | 1167     |          |

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

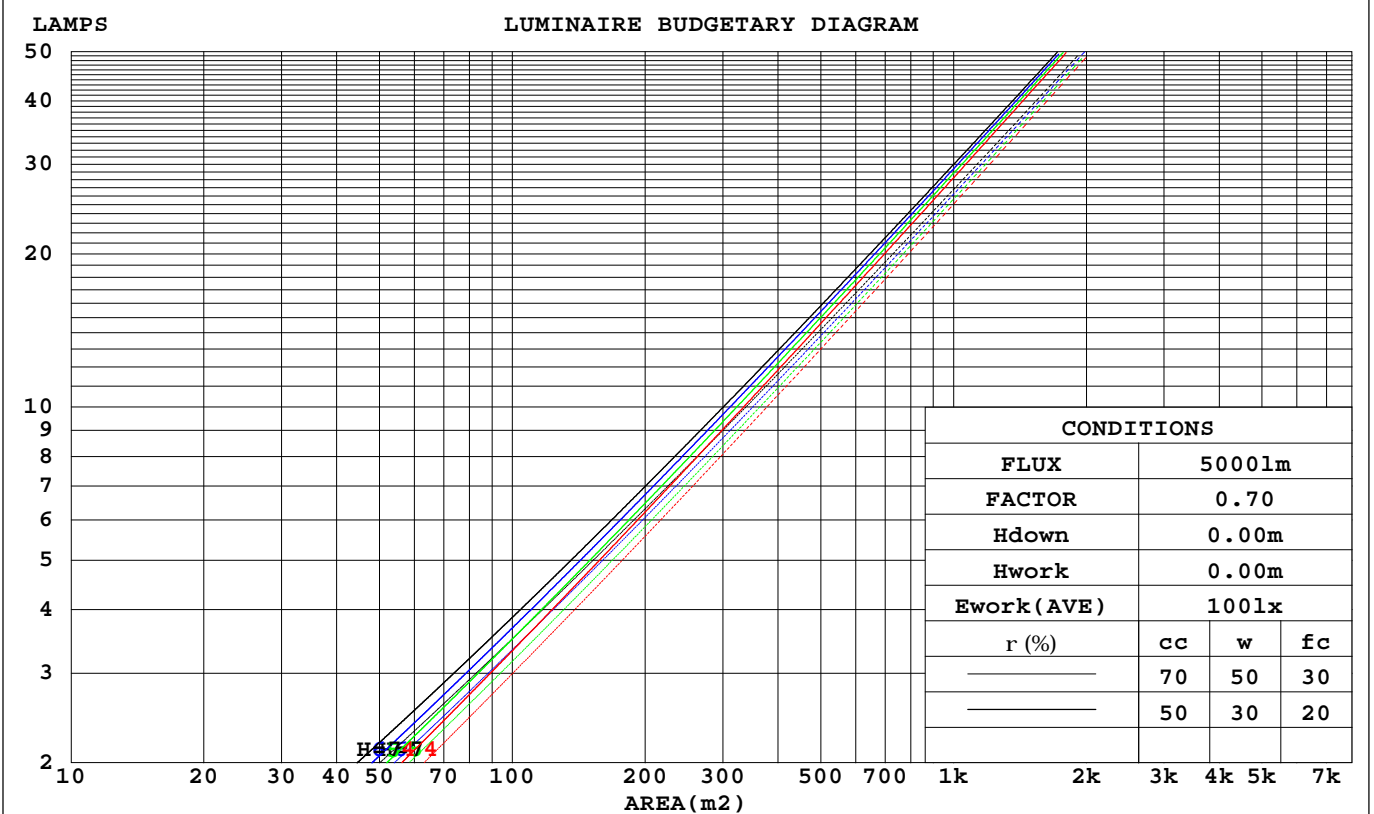
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

|  |                     |              |                    |
|--|---------------------|--------------|--------------------|
| <b>MANUFACTURER:</b>                       |                     |              |                    |
| <b>Address:</b>                            |                     |              |                    |
| <b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-SM-BK |                     | <b>TYPE:</b> | <b>WEIGHT:</b>     |
| <b>SPECIFICATION:</b>                      | <b>CCT(K):</b> 2700 |              | <b>DIMENSION:</b>  |
|  |                     |              | <b>SERIAL No.:</b> |

|            |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
|------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 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   |
| <b>RCR</b> | <b>RCR:Room Cavity Ratio</b>           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
|            | <b>Coefficients of Utilization(CU)</b> |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| 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  | .98  | .97  | .96  | .94 |
| 2.0        | 1.05                                   | 1.01 | .99  | 1.03 | 1.00 | .97  | .00  | .97  | .95  | .97  | .95  | .93  | .94  | .92  | .91  | .89 |
| 3.0        | .99                                    | .95  | .92  | .98  | .94  | .91  | .95  | .92  | .89  | .93  | .90  | .88  | .90  | .88  | .86  | .85 |
| 4.0        | .94                                    | .89  | .86  | .93  | .89  | .85  | .91  | .87  | .84  | .89  | .86  | .83  | .87  | .84  | .82  | .81 |
| 5.0        | .90                                    | .85  | .81  | .89  | .84  | .81  | .87  | .83  | .80  | .85  | .82  | .79  | .84  | .81  | .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  | .69  | .76  | .72  | .69  | .75  | .72  | .69  | .74  | .71  | .68  | .67 |
| 9.0        | .75                                    | .70  | .67  | .74  | .70  | .66  | .73  | .69  | .66  | .73  | .69  | .66  | .72  | .68  | .66  | .65 |
| 10.0       | .72                                    | .67  | .64  | .72  | .67  | .64  | .71  | .66  | .64  | .70  | .66  | .63  | .69  | .66  | .63  | .62 |



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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



## WEC AND CCEC

Report number:

|  |              |                   |                    |
|--|--------------|-------------------|--------------------|
| <b>MANUFACTURER:</b>                       |              |                   |                    |
| <b>Address:</b>                            |              |                   |                    |
| <b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-SM-BK |              | <b>TYPE:</b>      | <b>WEIGHT:</b>     |
| <b>SPECIFICATION:</b>                      | CCT(K): 2700 | <b>DIMENSION:</b> | <b>SERIAL No.:</b> |

| 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 |
| <b>RCR</b> | <b>RCR:Room Cavity Ratio</b> |      |      |      |      |      | <b>Wall Exitance Coefficients(WEC)</b> |      |      |      |      |      |      |      |      |   |
| 0.0        |                              |      |      |      |      |      |  |      |      |      |      |      |      |      |      |   |
| 1.0        | .159                         | .091 | .029 | .152 | .087 | .028 | .139                                   | .080 | .026 | .127 | .073 | .024 | .116 | .067 | .022 |   |
| 2.0        | .149                         | .082 | .025 | .144 | .079 | .024 | .133                                   | .074 | .023 | .122 | .069 | .021 | .113 | .064 | .020 |   |
| 3.0        | .141                         | .075 | .022 | .136 | .073 | .022 | .126                                   | .068 | .021 | .118 | .064 | .020 | .110 | .061 | .019 |   |
| 4.0        | .133                         | .069 | .020 | .128 | .067 | .020 | .120                                   | .064 | .019 | .113 | .061 | .018 | .106 | .058 | .018 |   |
| 5.0        | .126                         | .064 | .019 | .122 | .063 | .018 | .115                                   | .060 | .018 | .109 | .057 | .017 | .103 | .055 | .016 |   |
| 6.0        | .120                         | .060 | .017 | .116 | .059 | .017 | .110                                   | .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 | .102                                   | .051 | .014 | .097 | .049 | .014 | .093 | .048 | .014 |   |
| 9.0        | .104                         | .050 | .014 | .102 | .050 | .014 | .098                                   | .048 | .014 | .094 | .047 | .013 | .090 | .046 | .013 |   |
| 10.0       | .100                         | .048 | .013 | .098 | .047 | .013 | .094                                   | .046 | .013 | .091 | .045 | .013 | .087 | .044 | .013 |   |

| 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 |
| <b>RCR</b> | <b>RCR:Room Cavity Ratio</b> |      |      |      |      |      | <b>Ceiling Cavity Exitance Coefficients(CCEC)</b> |      |      |      |      |      |      |      |      |   |
| 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        | .148                         | .122 | .101 | .127 | .105 | .088 | .087  | .073 | .062 | .050 | .043 | .036 | .016 | .014 | .012 |   |
| 4.0        | .137                         | .107 | .085 | .118 | .093 | .073 | .081  | .065 | .052 | .047 | .038 | .031 | .015 | .012 | .010 |   |
| 5.0        | .127                         | .095 | .072 | .109 | .082 | .062 | .075  | .058 | .044 | .044 | .034 | .026 | .014 | .011 | .009 |   |
| 6.0        | .119                         | .086 | .062 | .103 | .074 | .054 | .071  | .052 | .038 | .041 | .031 | .023 | .013 | .010 | .007 |   |
| 7.0        | .112                         | .078 | .054 | .097 | .067 | .047 | .067  | .047 | .033 | .039 | .028 | .020 | .013 | .009 | .007 |   |
| 8.0        | .106                         | .071 | .047 | .091 | .062 | .041 | .063  | .043 | .029 | .037 | .026 | .017 | .012 | .008 | .006 |   |
| 9.0        | .101                         | .066 | .042 | .087 | .057 | .037 | .060  | .040 | .026 | .035 | .024 | .016 | .011 | .008 | .005 |   |
| 10.0       | .096                         | .061 | .038 | .083 | .053 | .033 | .058  | .038 | .024 | .034 | .022 | .014 | .011 | .007 | .005 |   |

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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

## UGR Table

Report number:

|  |                  |              |      |      |            |                |      |             |      |      |
|--|------------------|--------------|------|------|------------|----------------|------|-------------|------|------|
| MANUFACTURER:                                      |                  |              |      |      |            |                |      |             |      |      |
| Address:   |                  |              |      |      |            |                |      |             |      |      |
| NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK                |                  |              |      |      | TYPE:      |                |      | WEIGHT:     |      |      |
| SPECIFICATION:                                     |                  | CCT(K): 2700 |      |      | 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                                      | 12.4             | 13.2         | 12.7 | 13.4 | 13.6       | 12.7           | 13.5 | 13.0        | 13.7 | 13.9 |
| 3H   | 12.4             | 13.1         | 12.7 | 13.3 | 13.5       | 12.6           | 13.4 | 12.9        | 13.6 | 13.8 |
| 4H   | 12.4             | 13.1         | 12.7 | 13.3 | 13.6       | 12.6           | 13.3 | 12.9        | 13.5 | 13.7 |
| 6H   | 12.5             | 13.2         | 12.8 | 13.4 | 13.7       | 12.5           | 13.2 | 12.8        | 13.4 | 13.7 |
| 8H   | 12.7             | 13.3         | 13.0 | 13.6 | 13.8       | 12.5           | 13.1 | 12.8        | 13.4 | 13.7 |
| 12H  | 12.9             | 13.5         | 13.2 | 13.8 | 14.1       | 12.5           | 13.1 | 12.8        | 13.4 | 13.7 |
| 4H 2H  | 12.3             | 13.0         | 12.6 | 13.2 | 13.5       | 12.6           | 13.3 | 12.9        | 13.5 | 13.7 |
| 3H   | 12.2             | 12.8         | 12.6 | 13.1 | 13.4       | 12.5           | 13.1 | 12.9        | 13.4 | 13.7 |
| 4H   | 12.3             | 12.8         | 12.6 | 13.1 | 13.5       | 12.5           | 13.1 | 12.9        | 13.4 | 13.7 |
| 6H   | 12.4             | 12.9         | 12.8 | 13.3 | 13.6       | 12.6           | 13.0 | 13.0        | 13.4 | 13.8 |
| 8H   | 12.6             | 13.1         | 13.0 | 13.5 | 13.8       | 12.6           | 13.0 | 13.0        | 13.4 | 13.8 |
| 12H  | 13.0             | 13.4         | 13.4 | 13.8 | 14.2       | 12.6           | 13.0 | 13.0        | 13.4 | 13.8 |
| 8H 4H  | 12.2             | 12.6         | 12.6 | 13.0 | 13.4       | 12.5           | 12.9 | 12.9        | 13.3 | 13.7 |
| 6H   | 12.4             | 12.7         | 12.8 | 13.1 | 13.6       | 12.7           | 13.0 | 13.1        | 13.4 | 13.9 |
| 8H   | 12.6             | 12.9         | 13.1 | 13.4 | 13.8       | 12.8           | 13.1 | 13.3        | 13.6 | 14.0 |
| 12H  | 13.1             | 13.4         | 13.6 | 13.8 | 14.3       | 13.0           | 13.3 | 13.5        | 13.7 | 14.2 |
| 12H 4H   | 12.2             | 12.6         | 12.6 | 13.0 | 13.4       | 12.4           | 12.8 | 12.8        | 13.2 | 13.6 |
| 6H   | 12.4             | 12.7         | 12.8 | 13.1 | 13.6       | 12.6           | 13.0 | 13.1        | 13.4 | 13.9 |
| 8H   | 12.6             | 12.9         | 13.1 | 13.4 | 13.9       | 12.9           | 13.2 | 13.4        | 13.6 | 14.1 |
| Variations with the observer position at spacings: |                  |              |      |      |            |                |      |             |      |      |
| S = 1.0H   | + 2.5 / - 2.7    |              |      |      |            | + 1.7 / - 2.5  |      |             |      |      |
| 1.5H   | + 4.4 / - 2.6    |              |      |      |            | + 3.3 / - 2.6  |      |             |      |      |
| 2.0H   | + 2.2 / - 1.7    |              |      |      |            | + 0.8 / - 1.8  |      |             |      |      |

CIE Pub.117 Corrected 1167 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.5)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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

## UTILIZATION FACTORS TABLE

Report number:

|  |              |                   |                    |
|--|--------------|-------------------|--------------------|
| <b>MANUFACTURER:</b>                       |              |                   |                    |
| <b>Address:</b>                            |              |                   |                    |
| <b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-SM-BK |              | <b>TYPE:</b>      | <b>WEIGHT:</b>     |
| <b>SPECIFICATION:</b>                      | CCT(K): 2700 | <b>DIMENSION:</b> | <b>SERIAL No.:</b> |

| 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             |
| <b>ROOM INDEX</b>                | <b>UTILIZATION FACTORS (PERCENT) <math>k(RI) \times RCR = 5</math></b> |     |           |     |     |     |               |     |     |               |
| k = 0.60                         | 89   | 83  | 79        | 88  | 82  | 79  | 87            | 82  | 79  | 75            |
| 0.80                             | 96   | 90  | 87        | 95  | 90  | 87  | 94            | 89  | 86  | 83            |
| 1.00                             | 100  | 95  | 91        | 99  | 94  | 91  | 97            | 94  | 90  | 86            |
| 1.25                             | 104  | 99  | 95        | 103 | 98  | 95  | 101           | 97  | 94  | 90            |
| 1.50                             | 106  | 102 | 99        | 105 | 101 | 98  | 103           | 99  | 97  | 92            |
| 2.00                             | 109  | 105 | 102       | 107 | 104 | 101 | 104           | 101 | 99  | 94            |
| 2.50                             | 110  | 107 | 104       | 109 | 105 | 103 | 105           | 103 | 101 | 95            |
| 3.00                             | 112  | 108 | 106       | 110 | 107 | 105 | 106           | 104 | 102 | 96            |
| 4.00                             | 114  | 111 | 109       | 112 | 109 | 107 | 108           | 106 | 105 | 97            |
| 5.00                             | 115  | 113 | 111       | 113 | 111 | 109 | 109           | 107 | 106 | 98            |
| <b>ROOM INDEX</b>                | <b>UF(total)</b>   |     |           |     |     |     |               |     |     | <b>Direct</b> |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |               |

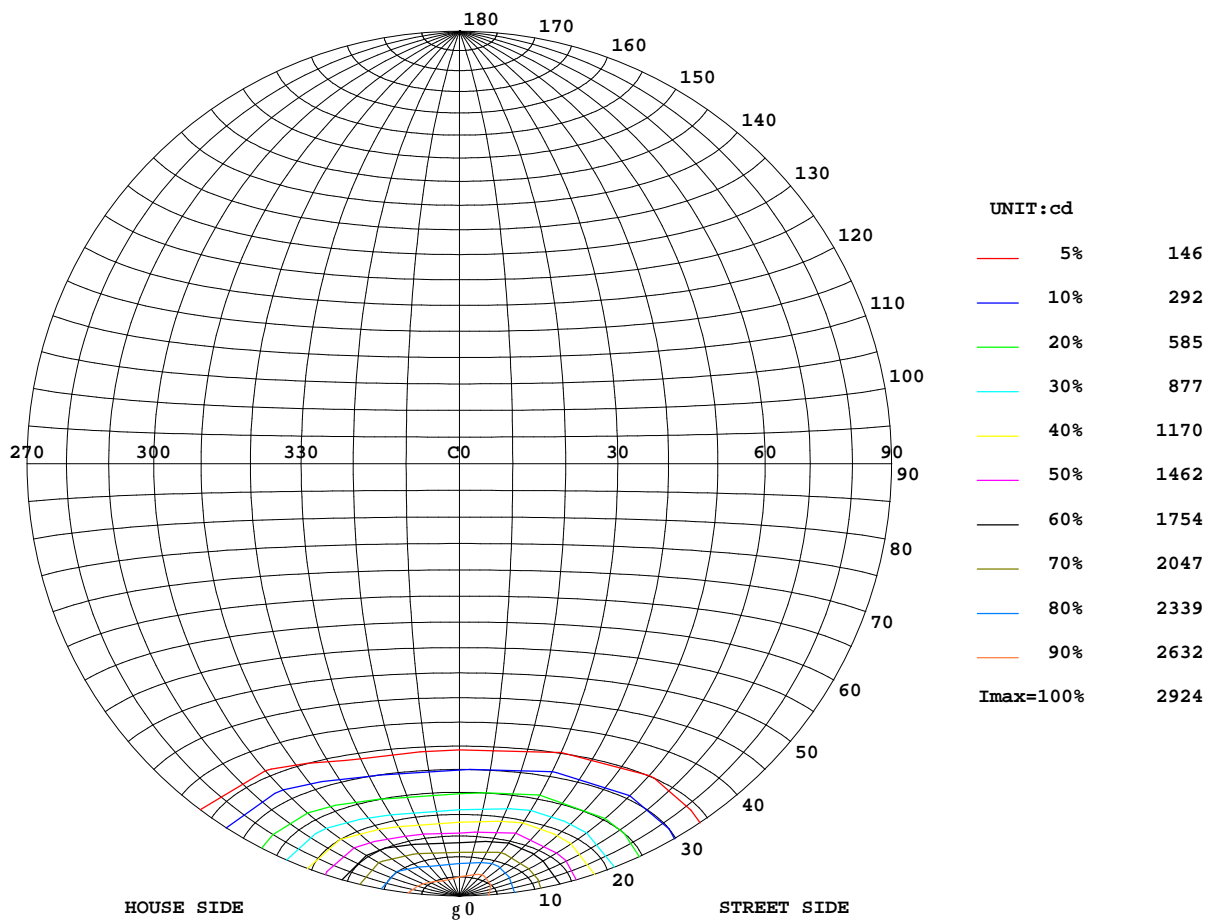
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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

# ISOCANDELA DIAGRAM

Report number:

|  |                     |                   |                    |
|--|---------------------|-------------------|--------------------|
| <b>MANUFACTURER:</b>                       |                     |                   |                    |
| <b>Address:</b>                            |                     |                   |                    |
| <b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-SM-BK |                     | <b>TYPE:</b>      | <b>WEIGHT:</b>     |
| <b>SPECIFICATION:</b>                      | <b>CCT(K):</b> 2700 | <b>DIMENSION:</b> | <b>SERIAL No.:</b> |



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

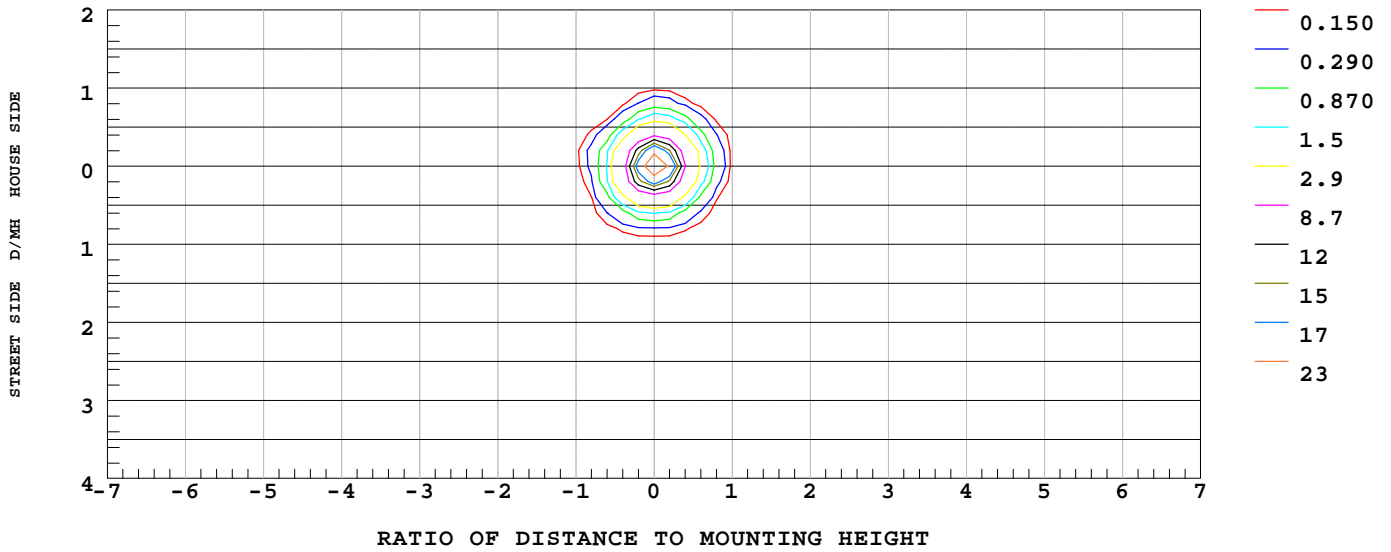
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# ISOLUX DIAGRAM

Report number:

|                                     |              |            |             |
|-------------------------------------|--------------|------------|-------------|
| MANUFACTURER:                       |              |            |             |
| Address:                            |              |            |             |
| NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK |              | TYPE:      | WEIGHT:     |
| SPECIFICATION:                      | CCT(K): 2700 | DIMENSION: | SERIAL No.: |

ILLUMINANCE AT MH=10 m, Enadir = 29.12 lx



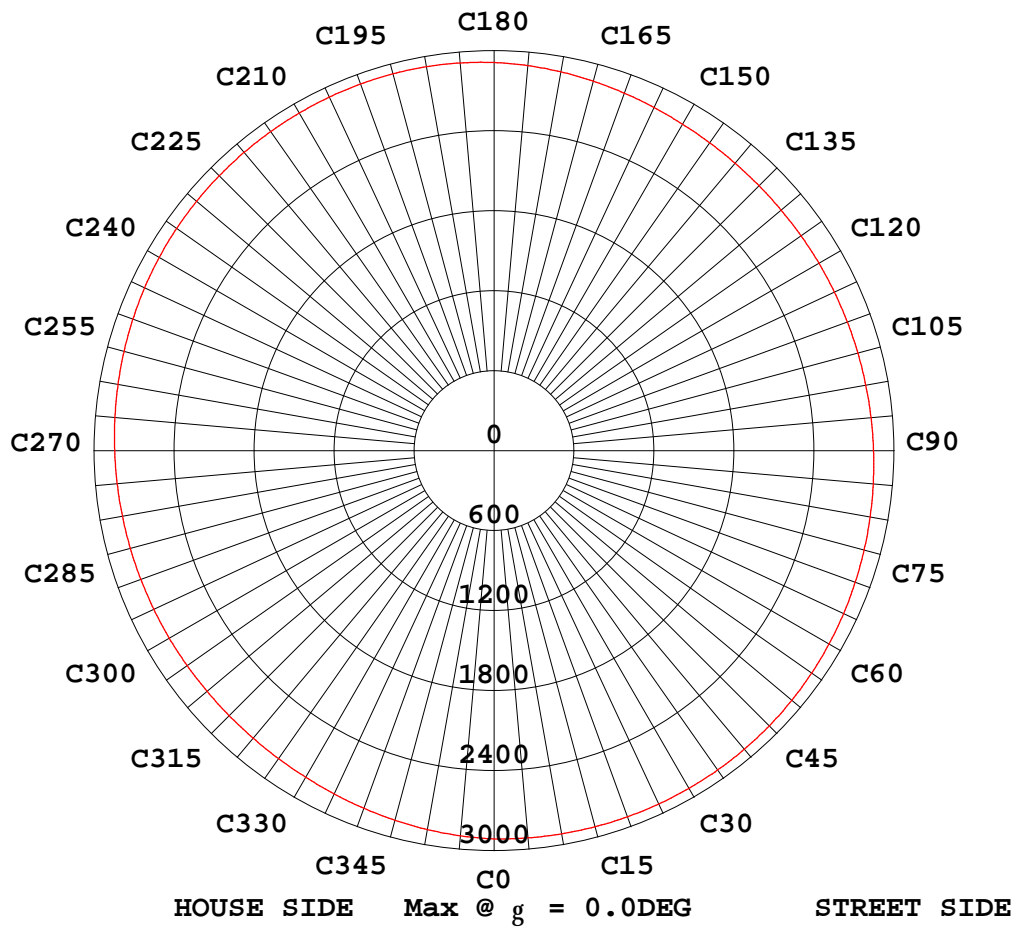
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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

# ISOCANDELA DIAGRAM

Report number:

|  |              |                   |                    |
|--|--------------|-------------------|--------------------|
| <b>MANUFACTURER:</b>                       |              |                   |                    |
| <b>Address:</b>                            |              |                   |                    |
| <b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-SM-BK |              | <b>TYPE:</b>      | <b>WEIGHT:</b>     |
| <b>SPECIFICATION:</b>                      | CCT(K): 2700 | <b>DIMENSION:</b> | <b>SERIAL No.:</b> |



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

|  |                     |                   |                    |
|--|---------------------|-------------------|--------------------|
| <b>MANUFACTURER:</b>                       |                     |                   |                    |
| <b>Address:</b>                            |                     |                   |                    |
| <b>NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK</b> |                     | <b>TYPE:</b>      | <b>WEIGHT:</b>     |
| <b>SPECIFICATION:</b>                      | <b>CCT(K): 2700</b> | <b>DIMENSION:</b> | <b>SERIAL No.:</b> |

UNIT: cd

| $\gamma$ (DEG) | C (DEG) |      |      |      |      |      |      |      |      |      |      |      |
|----------------|---------|------|------|------|------|------|------|------|------|------|------|------|
|                | 0       | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |
| 0.0            | 2912    | 2924 | 2901 | 2846 | 2814 | 2828 | 2912 | 2924 | 2901 | 2846 | 2814 | 2828 |
| 5.0            | 2625    | 2736 | 2627 | 2535 | 2553 | 2584 | 2770 | 2771 | 2754 | 2672 | 2588 | 2598 |
| 10.0           | 2169    | 2254 | 2155 | 2118 | 2222 | 2283 | 2453 | 2362 | 2372 | 2346 | 2224 | 2193 |
| 15.0           | 1550    | 1700 | 1602 | 1550 | 1669 | 1753 | 1936 | 1797 | 1850 | 1792 | 1710 | 1608 |
| 20.0           | 984     | 1112 | 1037 | 982  | 1064 | 1129 | 1315 | 1212 | 1225 | 1169 | 1010 | 1008 |
| 25.0           | 556     | 646  | 608  | 554  | 625  | 676  | 810  | 745  | 747  | 700  | 582  | 579  |
| 30.0           | 286     | 340  | 323  | 285  | 332  | 369  | 460  | 423  | 413  | 386  | 293  | 304  |
| 35.0           | 97.7    | 149  | 149  | 113  | 144  | 155  | 229  | 223  | 205  | 178  | 108  | 135  |
| 40.0           | 58.2    | 57.2 | 65.0 | 38.2 | 58.7 | 56.6 | 86.5 | 101  | 74.7 | 76.4 | 35.7 | 56.6 |
| 45.0           | 24.9    | 19.4 | 27.2 | 15.4 | 25.8 | 21.5 | 28.9 | 36.6 | 24.1 | 28.7 | 14.2 | 25.1 |
| 50.0           | 16.0    | 11.6 | 17.9 | 10.4 | 16.6 | 11.1 | 14.8 | 21.3 | 12.8 | 15.9 | 8.73 | 14.8 |
| 55.0           | 12.1    | 9.05 | 14.6 | 7.51 | 13.1 | 8.56 | 11.1 | 16.6 | 9.67 | 9.99 | 5.88 | 11.5 |
| 60.0           | 7.55    | 4.35 | 9.25 | 3.68 | 8.73 | 4.31 | 5.70 | 9.78 | 4.87 | 6.92 | 2.92 | 7.51 |
| 65.0           | 5.29    | 2.26 | 6.61 | 1.53 | 6.23 | 2.47 | 3.34 | 7.03 | 3.02 | 4.59 | 1.81 | 5.67 |
| 70.0           | 3.93    | 0.70 | 3.96 | 0.66 | 3.89 | 0.66 | 1.11 | 4.31 | 0.80 | 4.03 | 0.77 | 3.96 |
| 75.0           | 3.55    | 0.70 | 3.55 | 0.66 | 3.48 | 0.66 | 1.00 | 3.86 | 0.80 | 3.68 | 0.80 | 3.62 |
| 80.0           | 3.27    | 0.70 | 3.23 | 0.70 | 3.20 | 0.66 | 1.04 | 3.55 | 0.84 | 3.37 | 0.84 | 3.30 |
| 85.0           | 2.99    | 0.70 | 2.99 | 0.66 | 2.92 | 0.66 | 1.07 | 3.30 | 0.87 | 3.16 | 0.84 | 3.09 |
| 90.0           | 2.78    | 0.73 | 2.78 | 0.70 | 2.71 | 0.66 | 1.11 | 3.06 | 0.87 | 2.95 | 0.84 | 2.88 |
| 95.0           | 2.61    | 0.73 | 2.57 | 0.70 | 2.54 | 0.70 | 1.14 | 2.85 | 0.91 | 2.78 | 0.87 | 2.71 |
| 100.0          | 2.47    | 0.77 | 2.43 | 0.73 | 2.40 | 0.73 | 1.14 | 2.71 | 0.91 | 2.64 | 0.87 | 2.54 |
| 105.0          | 2.33    | 0.80 | 2.29 | 0.77 | 2.26 | 0.73 | 1.14 | 2.54 | 0.91 | 2.47 | 0.87 | 2.40 |
| 110.0          | 2.22    | 0.84 | 2.19 | 0.80 | 2.15 | 0.77 | 1.18 | 2.40 | 0.91 | 2.33 | 0.87 | 2.26 |
| 115.0          | 2.15    | 0.87 | 2.08 | 0.84 | 2.05 | 0.80 | 1.18 | 2.26 | 0.91 | 2.19 | 0.87 | 2.15 |
| 120.0          | 2.08    | 0.94 | 2.01 | 0.87 | 1.98 | 0.87 | 1.18 | 2.15 | 0.94 | 2.08 | 0.91 | 2.01 |
| 125.0          | 2.05    | 1.04 | 1.98 | 0.97 | 1.91 | 0.91 | 1.25 | 2.05 | 0.97 | 1.98 | 0.94 | 1.94 |
| 130.0          | 2.12    | 1.18 | 2.01 | 1.11 | 1.91 | 1.04 | 1.32 | 2.05 | 1.07 | 1.94 | 1.04 | 1.94 |
| 135.0          | 2.26    | 1.46 | 2.15 | 1.35 | 1.98 | 1.21 | 1.49 | 2.12 | 1.25 | 2.01 | 1.21 | 2.05 |
| 140.0          | 2.57    | 1.84 | 2.43 | 1.74 | 2.19 | 1.56 | 1.81 | 2.33 | 1.56 | 2.15 | 1.56 | 2.26 |
| 145.0          | 3.06    | 2.40 | 2.88 | 2.26 | 2.57 | 2.01 | 2.29 | 2.71 | 2.01 | 2.50 | 2.01 | 2.68 |
| 150.0          | 3.68    | 3.09 | 3.48 | 2.99 | 3.13 | 2.68 | 2.92 | 3.23 | 2.61 | 2.99 | 2.68 | 3.23 |
| 155.0          | 4.45    | 3.89 | 4.21 | 3.75 | 3.82 | 3.41 | 3.72 | 3.93 | 3.37 | 3.65 | 3.41 | 3.93 |
| 160.0          | 5.22    | 4.69 | 4.94 | 4.56 | 4.52 | 4.21 | 4.59 | 4.69 | 4.17 | 4.42 | 4.24 | 4.66 |
| 165.0          | 5.95    | 5.43 | 5.63 | 5.25 | 5.18 | 4.97 | 5.46 | 5.46 | 4.97 | 5.22 | 5.01 | 5.36 |
| 170.0          | 6.57    | 6.05 | 6.19 | 5.84 | 5.74 | 5.60 | 6.23 | 6.12 | 5.67 | 5.91 | 5.63 | 5.95 |
| 175.0          | 6.99    | 6.43 | 6.57 | 6.26 | 6.23 | 6.09 | 6.85 | 6.61 | 6.23 | 6.47 | 6.05 | 6.37 |
| 180.0          | 7.17    | 6.82 | 6.40 | 6.68 | 6.16 | 6.50 | 7.17 | 6.82 | 6.40 | 6.68 | 6.16 | 6.50 |

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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