

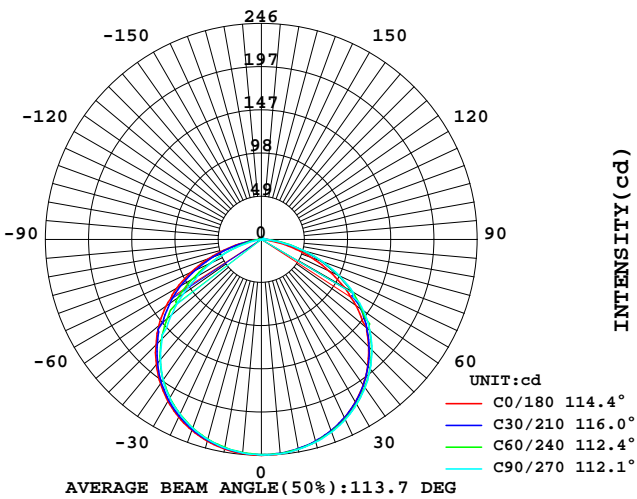
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

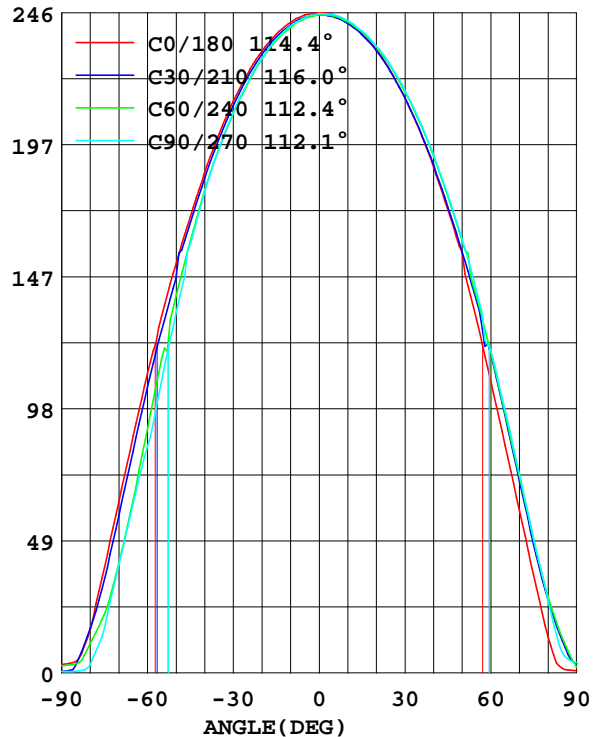
| | | | |
|----------------|--------------|-----------------------------|-------------|
| MANUFACTURER: | | | |
| Address: | | | |
| NAME: | | TYPE: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | DIMENSION: | SERIAL No.: |

| | | | | | |
|------------------|-------|-----------------------|-------|------------------|-------|
| DATA OF LAMP | | I _{max} (cd) | 245.9 | S/MH(C0/180) | 1.29 |
| MODEL | | EFFICIENCY(%) | 100.0 | S/MH(C90/270) | 1.26 |
| NOMINAL POWER(W) | 10 | TOTAL FLUX(lm) | 711.0 | Voltage(V) | 120.6 |
| RATED VOLTAGE(V) | 120 | EFFICIENCY(lm/W) | 70.7 | Current(A) | 0.085 |
| NOMINAL FLUX(lm) | 711.0 | h up(%) | 1.4 | Power(W) | 10.06 |
| LAMPS QUANTITY | 1 | h down(%) | 98.6 | Power Factor(PF) | 0.970 |
| TEST VOLTAGE(V) | 120.7 | Effective Flux(lm) | 711.0 | EEL | 0.173 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



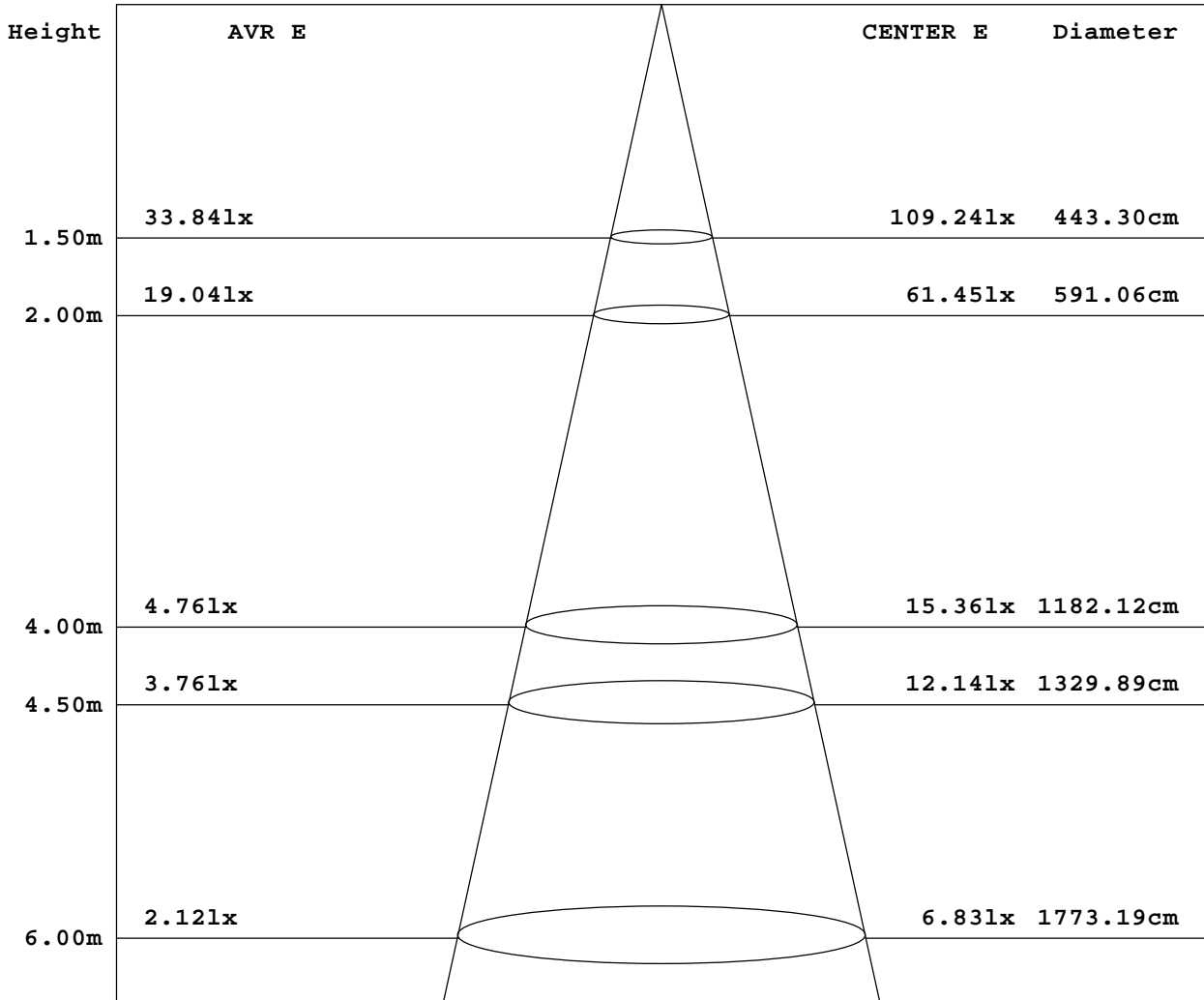
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/22

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: | | TYPE: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | DIMENSION: | SERIAL No.: |



Angle:111.8deg

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/22

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: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | DIMENSION: | SERIAL No.: |

| g | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | g | ðone | tðtal |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 5.0 | 244.8 | 243.7 | 243.9 | 244.9 | 244.9 | 244.4 | 244.9 | 245.0 | 0- 5 | 5.857 | 5.857 |
| 10.0 | 242.2 | 240.7 | 240.8 | 242.2 | 242.3 | 242.1 | 242.8 | 242.5 | 5- 10 | 17.40 | 23.26 |
| 15.0 | 237.7 | 236.0 | 235.8 | 237.8 | 237.9 | 238.0 | 238.9 | 238.2 | 10- 15 | 28.44 | 51.70 |
| 20.0 | 231.2 | 229.3 | 228.8 | 231.4 | 232.0 | 232.2 | 233.4 | 232.1 | 15- 20 | 38.64 | 90.35 |
| 25.0 | 223.0 | 220.6 | 219.6 | 222.9 | 224.0 | 224.7 | 226.2 | 224.4 | 20- 25 | 47.67 | 138.0 |
| 30.0 | 212.8 | 209.7 | 208.4 | 212.6 | 214.0 | 215.2 | 216.9 | 214.6 | 25- 30 | 55.21 | 193.2 |
| 35.0 | 200.5 | 196.8 | 195.2 | 200.1 | 202.3 | 203.9 | 205.8 | 202.5 | 30- 35 | 60.96 | 254.2 |
| 40.0 | 186.2 | 181.7 | 178.9 | 185.7 | 188.2 | 190.7 | 192.9 | 188.8 | 35- 40 | 64.68 | 318.8 |
| 45.0 | 169.8 | 164.2 | 159.7 | 169.2 | 172.5 | 175.5 | 178.0 | 173.4 | 40- 45 | 66.13 | 385.0 |
| 50.0 | 152.2 | 143.5 | 133.9 | 149.5 | 156.5 | 158.6 | 161.5 | 157.5 | 45- 50 | 65.16 | 450.1 |
| 55.0 | 132.7 | 122.2 | 108.6 | 129.7 | 131.6 | 139.1 | 141.9 | 136.2 | 50- 55 | 61.32 | 511.5 |
| 60.0 | 111.5 | 98.73 | 84.27 | 107.4 | 108.9 | 119.1 | 120.4 | 116.0 | 55- 60 | 55.10 | 566.6 |
| 65.0 | 88.10 | 73.39 | 62.93 | 83.23 | 84.72 | 96.26 | 97.88 | 93.11 | 60- 65 | 47.31 | 613.9 |
| 70.0 | 63.49 | 49.43 | 40.13 | 58.95 | 60.43 | 72.26 | 74.07 | 69.44 | 65- 70 | 37.17 | 651.1 |
| 75.0 | 39.54 | 28.57 | 17.02 | 36.27 | 36.51 | 48.68 | 50.37 | 46.29 | 70- 75 | 26.07 | 677.1 |
| 80.0 | 16.01 | 13.78 | 3.063 | 18.58 | 13.61 | 28.02 | 27.36 | 25.77 | 75- 80 | 15.33 | 692.5 |
| 85.0 | 4.281 | 3.167 | 0.627 | 4.281 | 1.740 | 12.49 | 7.553 | 9.746 | 80- 85 | 6.585 | 699.1 |
| 90.0 | 3.132 | 1.670 | 0.522 | 1.984 | 0.870 | 2.871 | 3.829 | 2.488 | 85- 90 | 1.947 | 701.0 |
| 95.0 | 2.749 | 1.496 | 0.557 | 1.775 | 0.870 | 1.862 | 3.098 | 2.053 | 90- 95 | 1.064 | 702.1 |
| 100.0 | 2.506 | 1.409 | 0.592 | 1.653 | 0.905 | 1.618 | 2.645 | 1.810 | 95-100 | 0.929 | 703.0 |
| 105.0 | 2.332 | 1.374 | 0.627 | 1.583 | 0.940 | 1.479 | 2.401 | 1.618 | 100-105 | 0.847 | 703.8 |
| 110.0 | 2.227 | 1.374 | 0.696 | 1.549 | 1.009 | 1.392 | 2.123 | 1.496 | 105-110 | 0.784 | 704.6 |
| 115.0 | 2.158 | 1.374 | 0.766 | 1.514 | 1.079 | 1.374 | 2.018 | 1.496 | 110-115 | 0.741 | 705.4 |
| 120.0 | 2.088 | 1.392 | 0.870 | 1.496 | 1.148 | 1.392 | 1.984 | 1.479 | 115-120 | 0.711 | 706.1 |
| 125.0 | 2.053 | 1.444 | 0.940 | 1.479 | 1.218 | 1.409 | 1.984 | 1.514 | 120-125 | 0.683 | 706.8 |
| 130.0 | 2.018 | 1.444 | 1.009 | 1.496 | 1.253 | 1.427 | 1.984 | 1.479 | 125-130 | 0.651 | 707.4 |
| 135.0 | 2.018 | 1.496 | 1.044 | 1.479 | 1.357 | 1.462 | 1.984 | 1.514 | 130-135 | 0.610 | 708.0 |
| 140.0 | 1.984 | 1.514 | 1.148 | 1.444 | 1.392 | 1.496 | 1.879 | 1.531 | 135-140 | 0.567 | 708.6 |
| 145.0 | 1.949 | 1.549 | 1.183 | 1.462 | 1.427 | 1.479 | 1.844 | 1.496 | 140-145 | 0.510 | 709.1 |
| 150.0 | 1.949 | 1.566 | 1.253 | 1.479 | 1.462 | 1.496 | 1.810 | 1.479 | 145-150 | 0.453 | 709.6 |
| 155.0 | 1.914 | 1.601 | 1.322 | 1.496 | 1.496 | 1.514 | 1.775 | 1.531 | 150-155 | 0.394 | 710.0 |
| 160.0 | 1.914 | 1.618 | 1.357 | 1.514 | 1.566 | 1.514 | 1.740 | 1.740 | 155-160 | 0.333 | 710.3 |
| 165.0 | 1.879 | 1.618 | 1.392 | 1.583 | 1.601 | 1.514 | 1.740 | 1.792 | 160-165 | 0.268 | 710.6 |
| 170.0 | 1.879 | 1.601 | 1.462 | 1.636 | 1.670 | 1.514 | 1.740 | 1.810 | 165-170 | 0.195 | 710.7 |
| 175.0 | 1.879 | 1.409 | 1.705 | 1.810 | 1.705 | 1.531 | 1.705 | 1.810 | 170-175 | 0.120 | 710.9 |
| 180.0 | 1.844 | 1.566 | 1.670 | 1.757 | 1.844 | 1.566 | 1.670 | 1.757 | 175-180 | 0.040 | 710.9 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | |

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/22

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

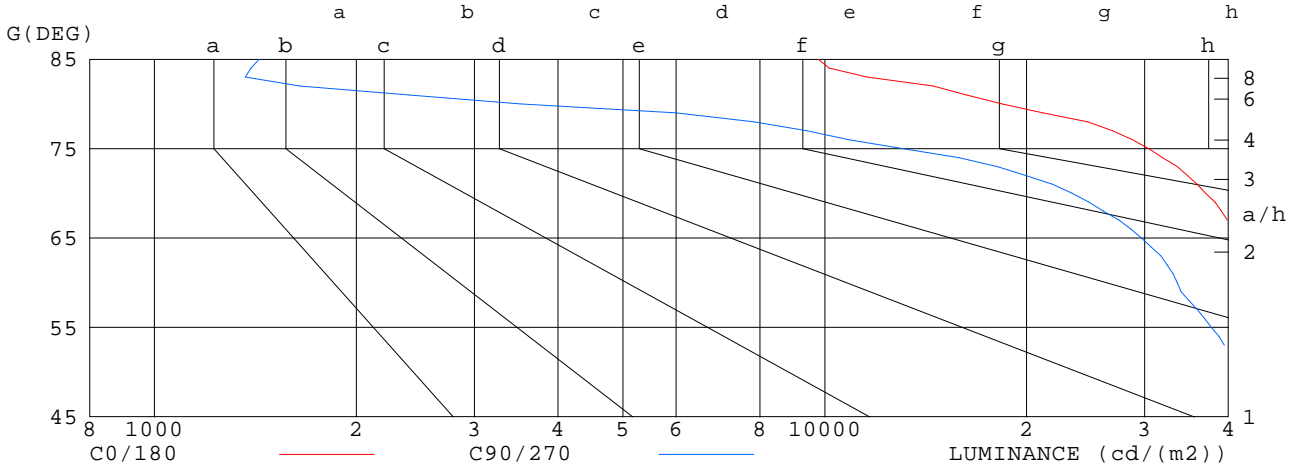
LUMINANCE LIMITATION CURVES

Report number:

| | | | |
|-----------------------|---------------------|------------------------------------|--------------------|
| MANUFACTURER: | | | |
| Address: | | | |
| NAME: | | TYPE: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | DIMENSION: | SERIAL No.: |

LUMINANCE LIMITATION CURVES

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



| G (DEG) | LUMINANCE cd/m2 | |
|---------|-----------------|---------|
| | C0/180 | C90/270 |
| 85 | 9786 | 1432 |
| 80 | 18369 | 3514 |
| 75 | 30436 | 13101 |
| 70 | 36981 | 23376 |
| 65 | 41528 | 29665 |
| 60 | 44435 | 33576 |
| 55 | 46097 | 37731 |
| 50 | 47186 | 41501 |
| 45 | 47836 | 45002 |

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024/01/22

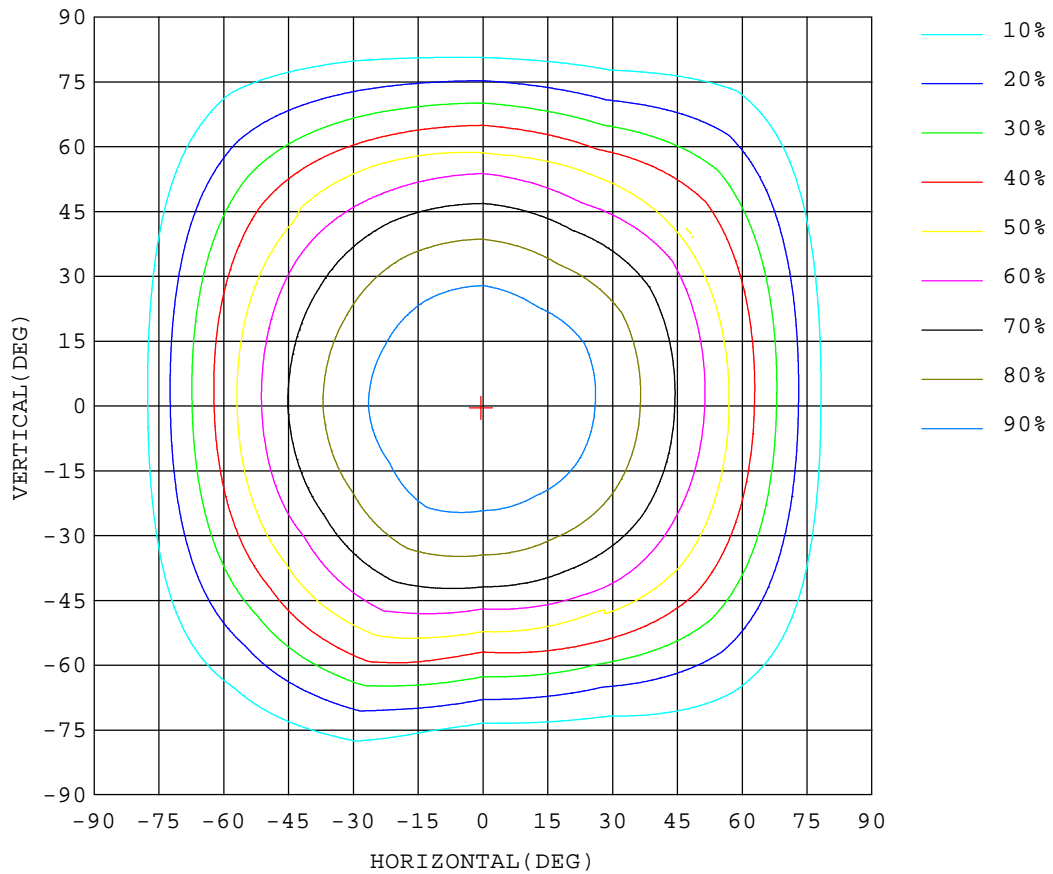
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

| | | | |
|-----------------------|---------------------|------------------------------------|--------------------|
| MANUFACTURER: | | | |
| Address: | | | |
| NAME: | | TYPE: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | DIMENSION: | SERIAL No.: |

UNIT: cd



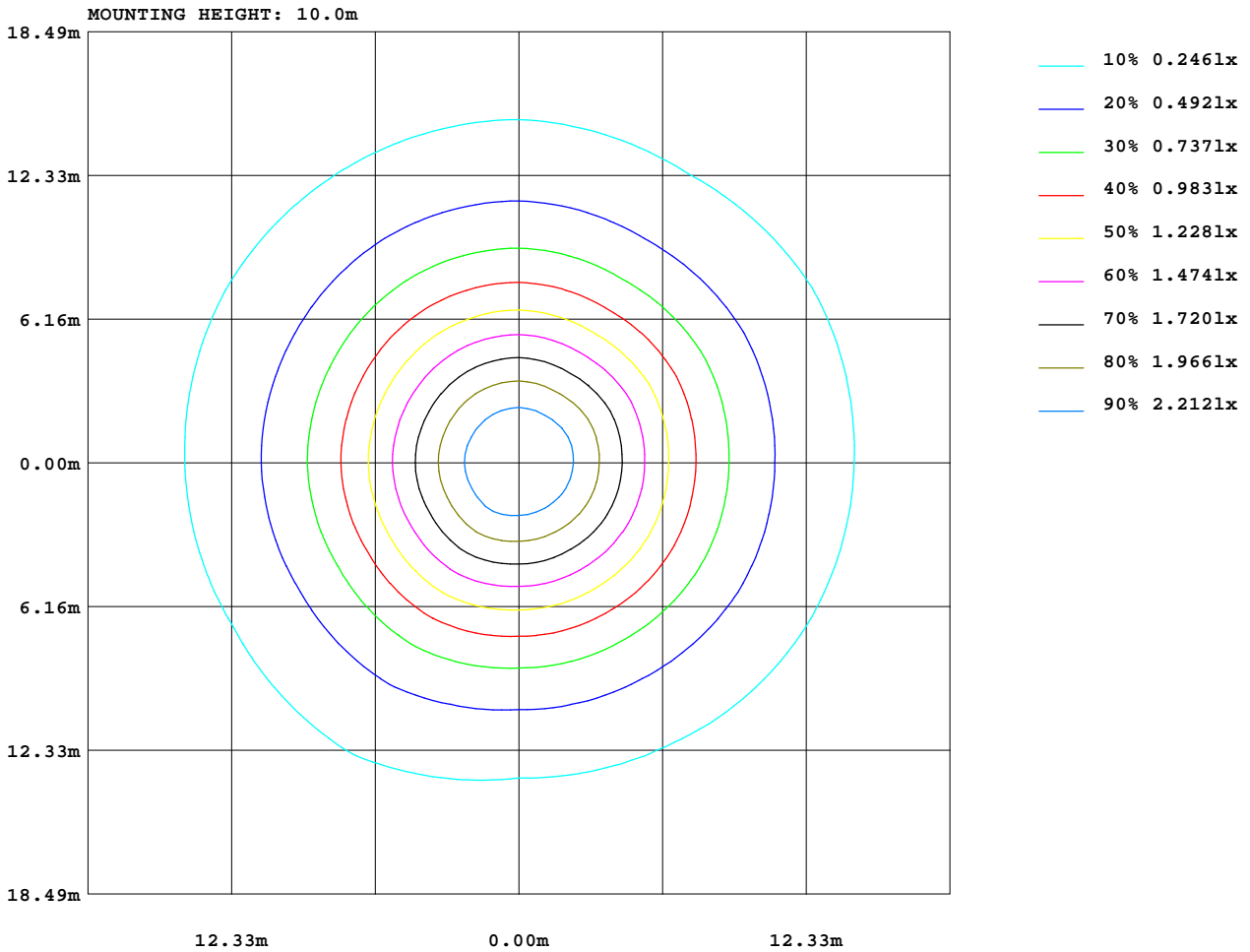
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/22

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: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | DIMENSION: | SERIAL No.: |



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024/01/22

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: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | DIMENSION: | SERIAL No.: |

| VERTICAL (DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | UNIT:lm | | Φt | Φa |
|----------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|----------|----------|
| | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | |
| 90 | 0.00 | 0.02 | 0.07 | 0.13 | 0.20 | 0.28 | 0.33 | 0.35 | 0.34 | 0.31 | 0.27 | 0.21 | 0.18 | 0.15 | 0.12 | 0.07 | 0.03 | 0.01 | 3.07 | 3.07 |
| 80 | 0.00 | 0.04 | 0.18 | 0.40 | 0.66 | 0.94 | 1.20 | 1.40 | 1.51 | 1.47 | 1.28 | 1.01 | 0.80 | 0.61 | 0.41 | 0.19 | 0.05 | 0.01 | 12.1 | 12.1 |
| 70 | 0.01 | 0.08 | 0.33 | 0.77 | 1.28 | 1.84 | 2.34 | 2.72 | 2.93 | 2.88 | 2.58 | 2.13 | 1.69 | 1.25 | 0.80 | 0.36 | 0.09 | 0.01 | 24.1 | 24.1 |
| 60 | 0.01 | 0.13 | 0.53 | 1.18 | 1.95 | 2.74 | 3.43 | 3.95 | 4.24 | 4.19 | 3.81 | 3.23 | 2.62 | 1.94 | 1.23 | 0.57 | 0.14 | 0.01 | 35.9 | 35.9 |
| 50 | 0.01 | 0.18 | 0.72 | 1.56 | 2.53 | 3.50 | 4.38 | 5.02 | 5.35 | 5.31 | 4.89 | 4.21 | 3.40 | 2.51 | 1.61 | 0.76 | 0.20 | 0.02 | 46.2 | 46.2 |
| 40 | 0.01 | 0.23 | 0.88 | 1.86 | 2.99 | 4.11 | 5.09 | 5.82 | 6.19 | 6.15 | 5.70 | 5.00 | 4.09 | 2.99 | 1.89 | 0.92 | 0.26 | 0.02 | 54.2 | 54.2 |
| 30 | 0.01 | 0.27 | 1.00 | 2.08 | 3.34 | 4.55 | 5.61 | 6.40 | 6.80 | 6.77 | 6.32 | 5.60 | 4.58 | 3.36 | 2.10 | 1.04 | 0.30 | 0.02 | 60.2 | 60.2 |
| 20 | 0.01 | 0.30 | 1.08 | 2.23 | 3.58 | 4.85 | 5.95 | 6.76 | 7.19 | 7.17 | 6.76 | 5.99 | 4.87 | 3.57 | 2.25 | 1.12 | 0.32 | 0.02 | 64.0 | 64.0 |
| 10 | 0.01 | 0.31 | 1.11 | 2.30 | 3.70 | 5.01 | 6.13 | 6.94 | 7.37 | 7.38 | 6.96 | 6.13 | 4.99 | 3.66 | 2.32 | 1.15 | 0.33 | 0.02 | 65.8 | 65.8 |
| 0 | 0.01 | 0.30 | 1.09 | 2.28 | 3.67 | 4.98 | 6.11 | 6.93 | 7.37 | 7.34 | 6.92 | 6.09 | 4.95 | 3.63 | 2.29 | 1.13 | 0.33 | 0.02 | 65.5 | 65.5 |
| -10 | 0.01 | 0.28 | 1.03 | 2.16 | 3.50 | 4.77 | 5.88 | 6.73 | 7.15 | 7.09 | 6.67 | 5.87 | 4.76 | 3.48 | 2.19 | 1.07 | 0.31 | 0.02 | 63.0 | 63.0 |
| -20 | 0.01 | 0.25 | 0.92 | 1.96 | 3.18 | 4.41 | 5.51 | 6.32 | 6.66 | 6.60 | 6.18 | 5.43 | 4.40 | 3.20 | 2.00 | 0.97 | 0.27 | 0.02 | 58.3 | 58.3 |
| -30 | 0.01 | 0.20 | 0.77 | 1.67 | 2.75 | 3.91 | 4.94 | 5.65 | 5.92 | 5.86 | 5.47 | 4.77 | 3.84 | 2.77 | 1.72 | 0.81 | 0.22 | 0.02 | 51.3 | 51.3 |
| -40 | 0.01 | 0.14 | 0.58 | 1.30 | 2.25 | 3.26 | 4.17 | 4.68 | 4.84 | 4.76 | 4.44 | 3.84 | 3.06 | 2.22 | 1.36 | 0.63 | 0.16 | 0.01 | 41.7 | 41.7 |
| -50 | 0.00 | 0.09 | 0.39 | 0.90 | 1.64 | 2.46 | 3.16 | 3.43 | 3.41 | 3.30 | 3.11 | 2.69 | 2.14 | 1.54 | 0.95 | 0.42 | 0.10 | 0.01 | 29.8 | 29.8 |
| -60 | 0.00 | 0.04 | 0.21 | 0.52 | 1.00 | 1.55 | 2.00 | 2.11 | 2.02 | 1.89 | 1.74 | 1.45 | 1.16 | 0.86 | 0.53 | 0.23 | 0.05 | 0.01 | 17.3 | 17.3 |
| -70 | 0.00 | 0.01 | 0.07 | 0.21 | 0.44 | 0.72 | 0.89 | 0.84 | 0.69 | 0.59 | 0.57 | 0.51 | 0.44 | 0.34 | 0.21 | 0.08 | 0.02 | 0.01 | 6.64 | 6.64 |
| -80 | 0.00 | 0.01 | 0.01 | 0.03 | 0.08 | 0.15 | 0.18 | 0.14 | 0.07 | 0.05 | 0.08 | 0.10 | 0.09 | 0.06 | 0.03 | 0.02 | 0.02 | 0.01 | 1.11 | 1.11 |
| -90 | 0.00 | 0.01 | 0.01 | 0.03 | 0.08 | 0.15 | 0.18 | 0.14 | 0.07 | 0.05 | 0.08 | 0.10 | 0.09 | 0.06 | 0.03 | 0.02 | 0.02 | 0.01 | 1.11 | 1.11 |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | |
| Φt | 0.15 | 2.88 | 10.9 | 23.5 | 38.7 | 54.0 | 67.3 | 76.2 | 80.1 | 79.1 | 73.8 | 64.3 | 52.1 | 38.1 | 24.0 | 11.5 | 3.21 | 0.26 | 711 | |
| Φa | 0.15 | 2.88 | 10.9 | 23.5 | 38.7 | 54.0 | 67.3 | 76.2 | 80.1 | 79.1 | 73.8 | 64.3 | 52.1 | 38.1 | 24.0 | 11.5 | 3.21 | 0.26 | | 711 |

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/22

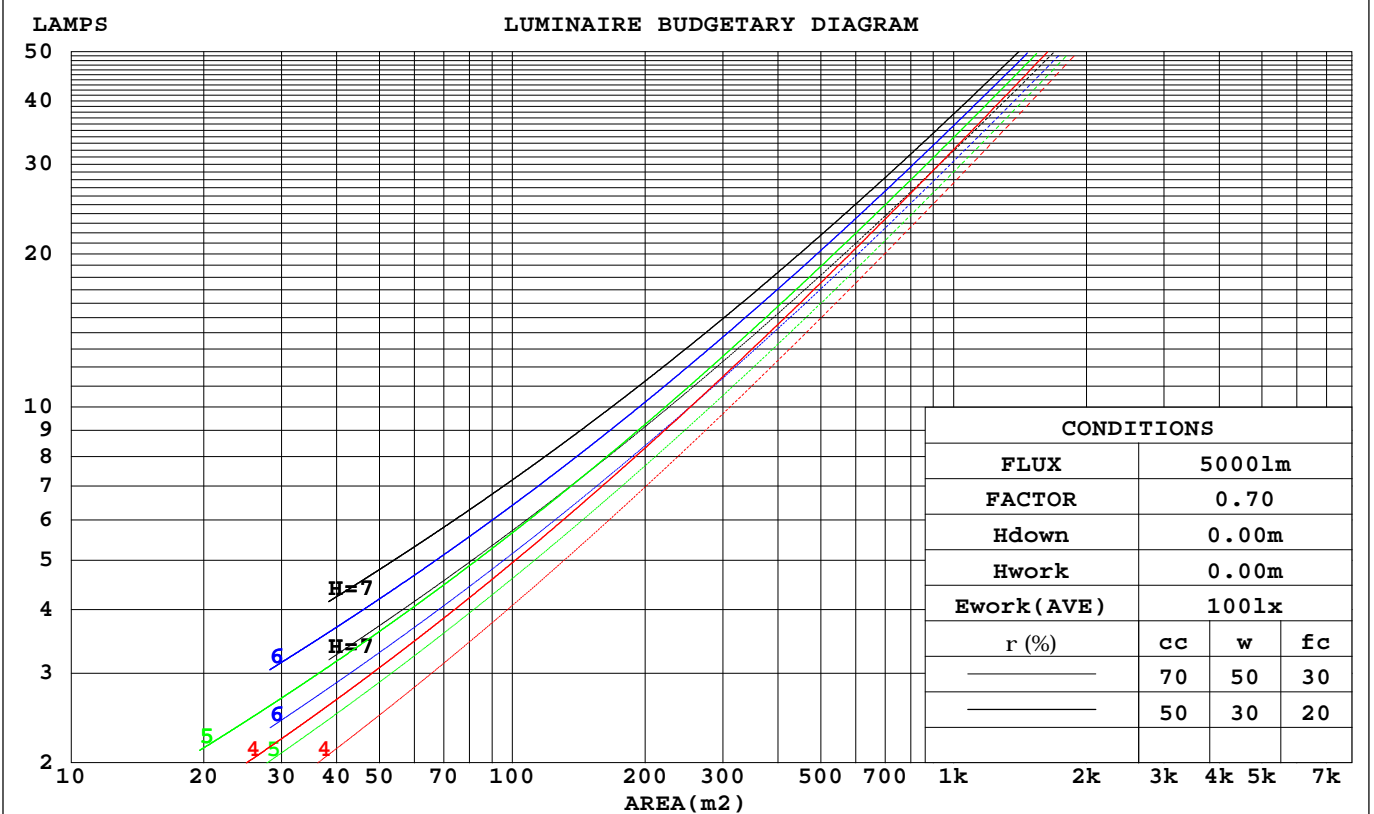
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

| | | | |
|-----------------------|---------------------|------------------------------------|--------------------|
| MANUFACTURER: | | | |
| Address: | | | |
| NAME: | | TYPE: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | 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 |
| r fc | 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 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0 | 1.04 | 1.00 | .96 | 1.02 | .98 | .95 | .97 | .94 | .91 | .93 | .91 | .88 | .89 | .87 | .86 | .83 |
| 2.0 | .91 | .84 | .79 | .89 | .83 | .78 | .85 | .80 | .76 | .82 | .77 | .74 | .79 | .75 | .72 | .70 |
| 3.0 | .80 | .72 | .66 | .78 | .71 | .65 | .75 | .69 | .64 | .72 | .67 | .62 | .69 | .65 | .61 | .59 |
| 4.0 | .71 | .62 | .55 | .69 | .61 | .55 | .67 | .60 | .54 | .64 | .58 | .53 | .62 | .57 | .52 | .50 |
| 5.0 | .63 | .54 | .48 | .62 | .54 | .47 | .60 | .52 | .47 | .58 | .51 | .46 | .56 | .50 | .45 | .43 |
| 6.0 | .57 | .48 | .42 | .56 | .47 | .41 | .54 | .46 | .41 | .52 | .45 | .40 | .50 | .45 | .40 | .38 |
| 7.0 | .52 | .43 | .37 | .51 | .42 | .37 | .49 | .42 | .36 | .47 | .41 | .36 | .46 | .40 | .35 | .33 |
| 8.0 | .47 | .39 | .33 | .46 | .38 | .33 | .45 | .37 | .32 | .43 | .37 | .32 | .42 | .36 | .32 | .30 |
| 9.0 | .43 | .35 | .29 | .42 | .35 | .29 | .41 | .34 | .29 | .40 | .33 | .29 | .39 | .33 | .29 | .27 |
| 10.0 | .40 | .32 | .27 | .39 | .32 | .26 | .38 | .31 | .26 | .37 | .31 | .26 | .36 | .30 | .26 | .24 |



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/22

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: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | 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 | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .297 | .169 | .053 | .289 | .165 | .052 | .275 | .158 | .050 | .262 | .151 | .049 | .251 | .145 | .047 | |
| 2.0 | .283 | .155 | .048 | .276 | .152 | .047 | .264 | .147 | .046 | .253 | .142 | .044 | .242 | .137 | .043 | |
| 3.0 | .264 | .140 | .042 | .258 | .138 | .042 | .247 | .134 | .041 | .237 | .130 | .040 | .228 | .126 | .039 | |
| 4.0 | .245 | .127 | .037 | .240 | .125 | .037 | .230 | .122 | .036 | .221 | .119 | .036 | .212 | .115 | .035 | |
| 5.0 | .227 | .116 | .034 | .223 | .114 | .033 | .214 | .111 | .033 | .206 | .109 | .032 | .198 | .106 | .032 | |
| 6.0 | .211 | .106 | .030 | .207 | .105 | .030 | .199 | .102 | .030 | .192 | .100 | .029 | .185 | .098 | .029 | |
| 7.0 | .197 | .097 | .028 | .193 | .096 | .027 | .186 | .094 | .027 | .180 | .092 | .027 | .174 | .090 | .027 | |
| 8.0 | .184 | .090 | .025 | .181 | .089 | .025 | .175 | .087 | .025 | .169 | .085 | .025 | .163 | .084 | .024 | |
| 9.0 | .173 | .084 | .023 | .170 | .083 | .023 | .164 | .081 | .023 | .159 | .080 | .023 | .154 | .078 | .023 | |
| 10.0 | .163 | .078 | .022 | .160 | .077 | .022 | .155 | .076 | .021 | .150 | .074 | .021 | .145 | .073 | .021 | |

| 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 | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .201 | .201 | .201 | .172 | .172 | .172 | .117 | .117 | .117 | .067 | .067 | .067 | .022 | .022 | .022 | |
| 1.0 | .190 | .167 | .146 | .163 | .143 | .126 | .111 | .099 | .087 | .064 | .057 | .051 | .021 | .018 | .016 | |
| 2.0 | .182 | .143 | .110 | .156 | .123 | .095 | .107 | .085 | .066 | .062 | .049 | .039 | .020 | .016 | .013 | |
| 3.0 | .174 | .125 | .086 | .149 | .108 | .075 | .102 | .075 | .052 | .059 | .044 | .031 | .019 | .014 | .010 | |
| 4.0 | .167 | .112 | .070 | .143 | .097 | .061 | .098 | .067 | .043 | .057 | .039 | .025 | .018 | .013 | .008 | |
| 5.0 | .159 | .101 | .059 | .137 | .088 | .051 | .094 | .061 | .036 | .055 | .036 | .021 | .018 | .012 | .007 | |
| 6.0 | .152 | .093 | .050 | .131 | .081 | .044 | .090 | .056 | .031 | .052 | .033 | .018 | .017 | .011 | .006 | |
| 7.0 | .146 | .086 | .044 | .125 | .075 | .039 | .087 | .052 | .027 | .050 | .031 | .016 | .016 | .010 | .005 | |
| 8.0 | .139 | .080 | .040 | .120 | .070 | .035 | .083 | .049 | .025 | .048 | .029 | .015 | .016 | .009 | .005 | |
| 9.0 | .133 | .075 | .036 | .115 | .065 | .032 | .080 | .046 | .023 | .046 | .027 | .013 | .015 | .009 | .004 | |
| 10.0 | .128 | .071 | .034 | .110 | .062 | .029 | .076 | .043 | .021 | .045 | .026 | .012 | .014 | .008 | .004 | |

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/22

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: | | | | | TYPE: JXL-CA04-T10W-5CCT-WH | | | WEIGHT: | | |
| SPECIFICATION: | | | CCT(K): 5000 | | | 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 | 26.0 | 27.5 | 26.3 | 27.8 | 28.0 | 25.0 | 26.5 | 25.3 | 26.8 | 27.0 |
| 3H | 27.4 | 28.7 | 27.7 | 29.0 | 29.3 | 25.9 | 27.3 | 26.2 | 27.5 | 27.8 |
| 4H | 27.8 | 29.1 | 28.1 | 29.4 | 29.7 | 26.0 | 27.3 | 26.3 | 27.6 | 27.9 |
| 6H | 28.0 | 29.2 | 28.3 | 29.5 | 29.8 | 26.0 | 27.2 | 26.3 | 27.5 | 27.8 |
| 8H | 28.0 | 29.1 | 28.3 | 29.5 | 29.8 | 25.9 | 27.1 | 26.3 | 27.4 | 27.7 |
| 12H | 27.9 | 29.1 | 28.3 | 29.4 | 29.7 | 25.9 | 27.0 | 26.2 | 27.3 | 27.6 |
| 4H 2H | 26.4 | 27.7 | 26.8 | 28.0 | 28.3 | 25.6 | 26.9 | 26.0 | 27.2 | 27.5 |
| 3H | 27.9 | 29.1 | 28.3 | 29.4 | 29.7 | 26.5 | 27.7 | 26.9 | 28.0 | 28.3 |
| 4H | 28.5 | 29.5 | 28.8 | 29.8 | 30.2 | 26.7 | 27.8 | 27.1 | 28.1 | 28.5 |
| 6H | 28.7 | 29.6 | 29.1 | 30.0 | 30.4 | 26.7 | 27.7 | 27.2 | 28.0 | 28.4 |
| 8H | 28.7 | 29.6 | 29.2 | 30.0 | 30.4 | 26.7 | 27.6 | 27.1 | 27.9 | 28.4 |
| 12H | 28.7 | 29.5 | 29.2 | 29.9 | 30.3 | 26.7 | 27.4 | 27.1 | 27.8 | 28.3 |
| 8H 4H | 28.5 | 29.3 | 28.9 | 29.7 | 30.1 | 26.9 | 27.8 | 27.3 | 28.1 | 28.6 |
| 6H | 28.8 | 29.5 | 29.3 | 30.0 | 30.4 | 27.0 | 27.7 | 27.4 | 28.1 | 28.6 |
| 8H | 28.9 | 29.5 | 29.4 | 30.0 | 30.4 | 27.0 | 27.6 | 27.4 | 28.0 | 28.5 |
| 12H | 28.9 | 29.4 | 29.4 | 29.9 | 30.4 | 26.9 | 27.5 | 27.4 | 27.9 | 28.4 |
| 12H 4H | 28.5 | 29.2 | 28.9 | 29.6 | 30.1 | 26.9 | 27.7 | 27.3 | 28.1 | 28.5 |
| 6H | 28.8 | 29.4 | 29.3 | 29.9 | 30.4 | 27.0 | 27.6 | 27.5 | 28.1 | 28.5 |
| 8H | 28.9 | 29.4 | 29.4 | 29.9 | 30.4 | 27.0 | 27.5 | 27.5 | 28.0 | 28.5 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.3 | | | | | + 0.3 / - 0.4 | | | | |
| 1.5H | + 0.2 / - 0.4 | | | | | + 0.3 / - 0.5 | | | | |
| 2.0H | + 0.3 / - 0.4 | | | | | + 0.5 / - 0.7 | | | | |

CIE Pub.117 Corrected 710.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.2)

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/22

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

UTILIZATION FACTORS TABLE

Report number:

| | | | |
|-----------------------|--------------|------------------------------------|--------------------|
| MANUFACTURER: | | | |
| Address: | | | |
| NAME: | | TYPE: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | 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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| k = 0.60 | 57 | 46 | 39 | 57 | 46 | 39 | 55 | 45 | 39 | 32 |
| 0.80 | 68 | 56 | 49 | 67 | 56 | 49 | 65 | 55 | 48 | 41 |
| 1.00 | 76 | 65 | 58 | 75 | 65 | 58 | 73 | 66 | 57 | 50 |
| 1.25 | 83 | 73 | 66 | 82 | 72 | 66 | 79 | 71 | 65 | 57 |
| 1.50 | 88 | 79 | 72 | 87 | 78 | 71 | 84 | 76 | 70 | 62 |
| 2.00 | 95 | 87 | 81 | 93 | 86 | 80 | 90 | 83 | 78 | 70 |
| 2.50 | 99 | 92 | 86 | 97 | 90 | 85 | 93 | 87 | 83 | 74 |
| 3.00 | 102 | 96 | 90 | 100 | 94 | 89 | 96 | 91 | 87 | 78 |
| 4.00 | 106 | 101 | 96 | 104 | 99 | 95 | 99 | 95 | 92 | 83 |
| 5.00 | 109 | 104 | 100 | 106 | 102 | 98 | 101 | 98 | 95 | 86 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

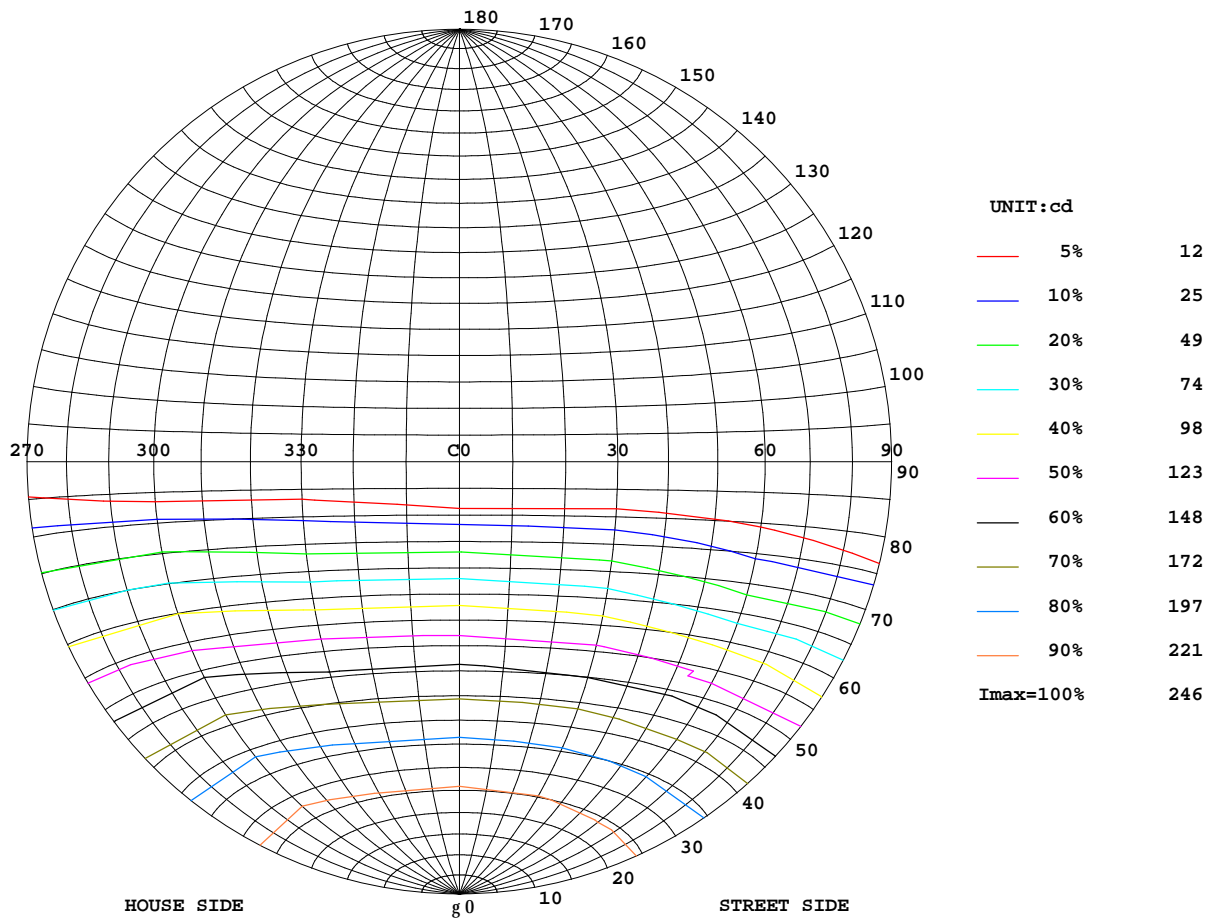
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/22

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: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | DIMENSION: | SERIAL No.: |



Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2024/01/22

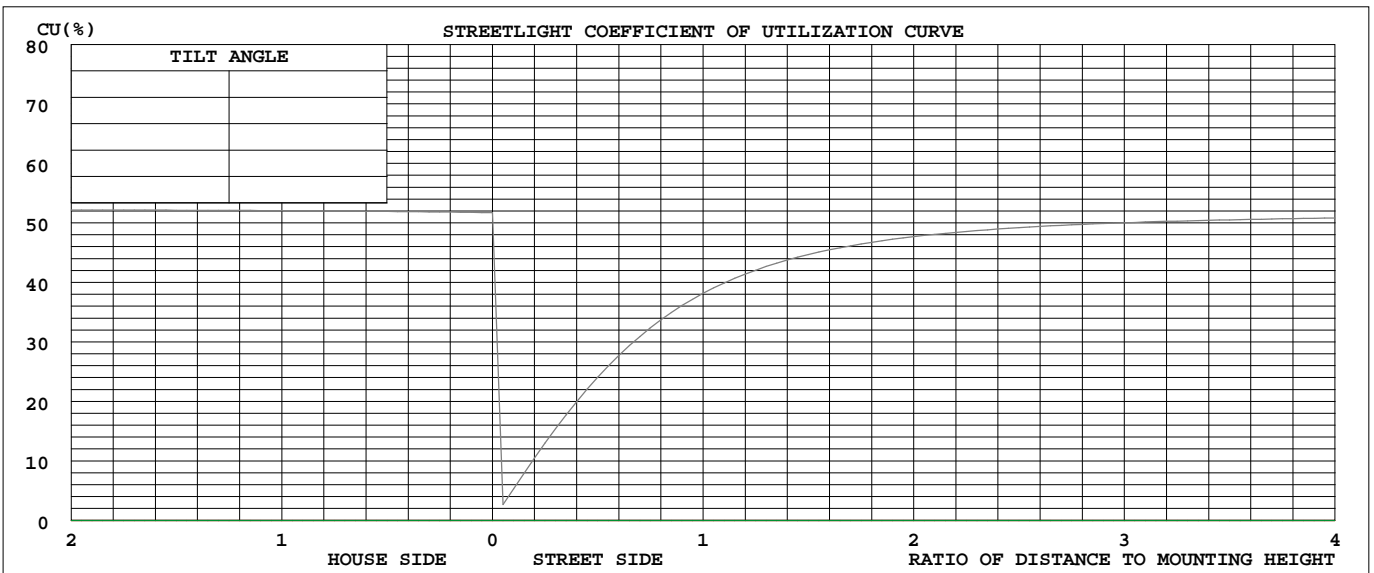
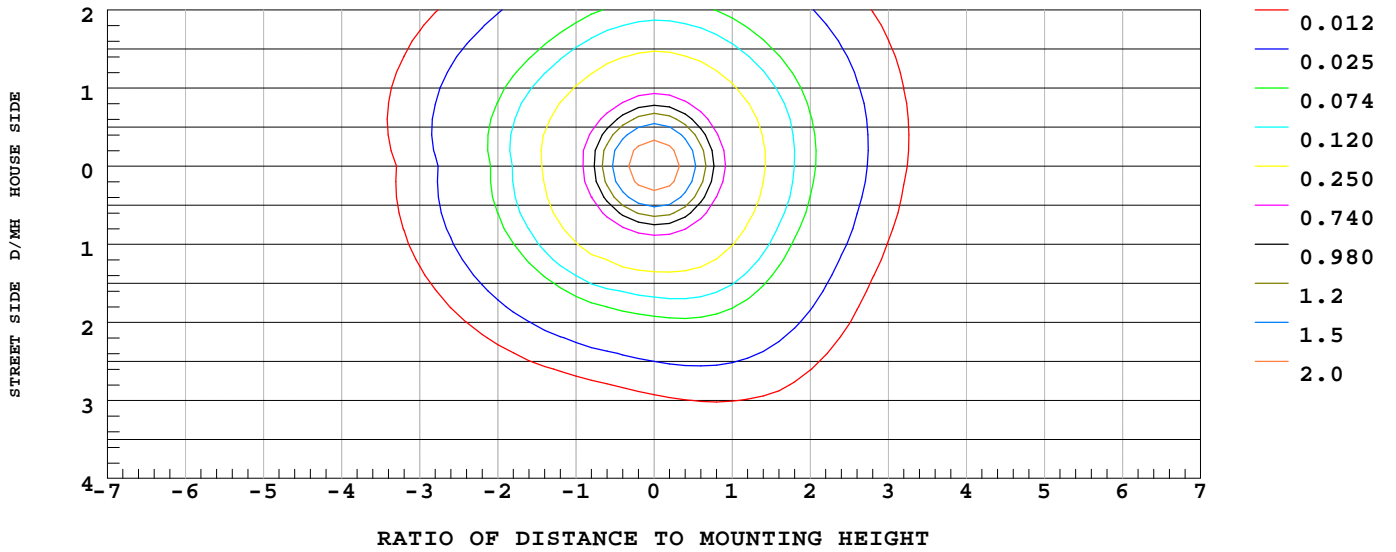
Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 5.900 m
 Remarks:

ISOLUX DIAGRAM

Report number:

| | | | |
|----------------|--------------|-----------------------------|-------------|
| MANUFACTURER: | | | |
| Address: | | | |
| NAME: | | TYPE: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | DIMENSION: | SERIAL No.: |

ILLUMINANCE AT MH=10 m, Enadir = 2.46 lx



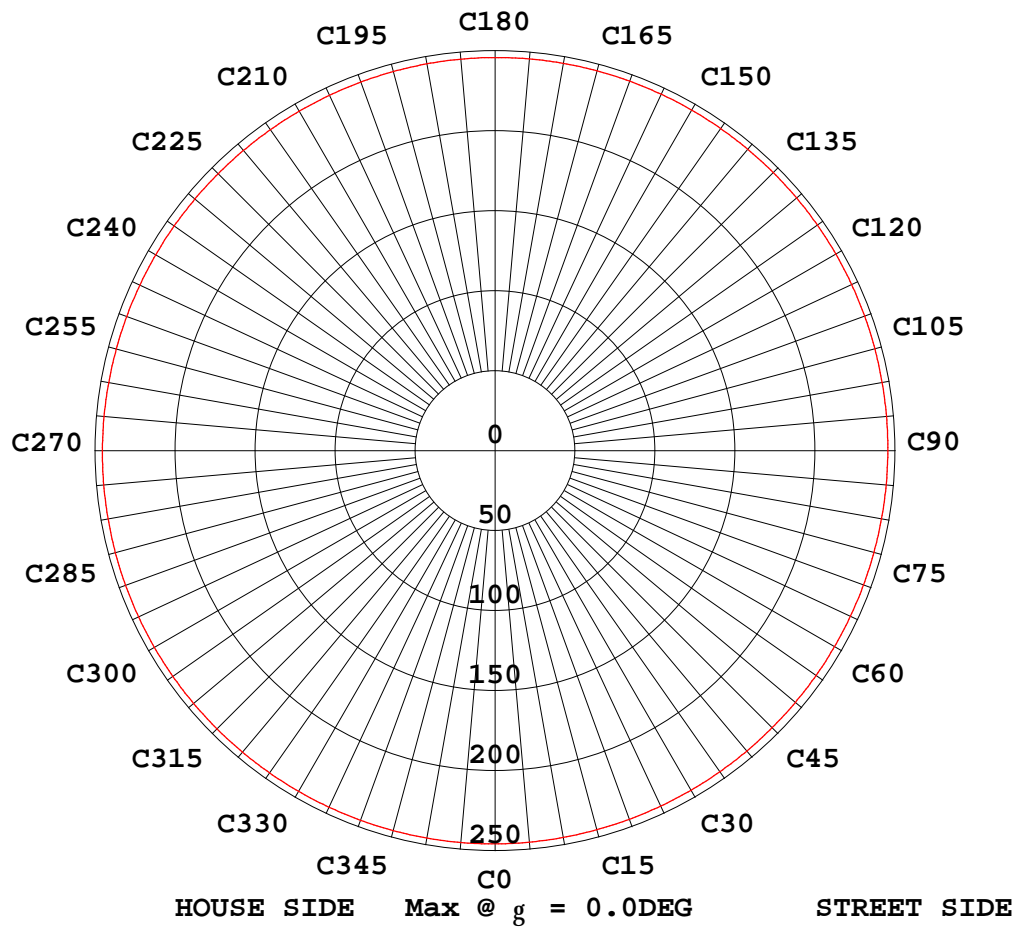
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/22

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: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | DIMENSION: | SERIAL No.: |



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/22

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: JXL-CA04-T10W-5CCT-WH | WEIGHT: |
| SPECIFICATION: | CCT(K): 5000 | DIMENSION: | SERIAL No.: |

UNIT: cd

| γ (DEG) | C (DEG) | | | | | | | | | | | |
|----------------|---------|------|------|------|------|------|------|------|------|------|------|------|
| | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 |
| 0.0 | 246 | 245 | 245 | 245 | 246 | 246 | 246 | 245 | 245 | 245 | 246 | 246 |
| 5.0 | 245 | 244 | 244 | 244 | 245 | 245 | 245 | 244 | 245 | 245 | 245 | 245 |
| 10.0 | 242 | 241 | 240 | 241 | 243 | 242 | 242 | 242 | 242 | 243 | 242 | 243 |
| 15.0 | 238 | 237 | 235 | 236 | 239 | 237 | 238 | 238 | 239 | 239 | 237 | 239 |
| 20.0 | 231 | 230 | 228 | 229 | 233 | 230 | 232 | 232 | 233 | 233 | 231 | 233 |
| 25.0 | 223 | 222 | 219 | 220 | 224 | 221 | 224 | 224 | 226 | 226 | 223 | 226 |
| 30.0 | 213 | 211 | 208 | 208 | 214 | 211 | 214 | 214 | 216 | 217 | 213 | 216 |
| 35.0 | 201 | 199 | 195 | 195 | 202 | 198 | 202 | 203 | 205 | 206 | 201 | 204 |
| 40.0 | 186 | 184 | 179 | 179 | 188 | 184 | 188 | 189 | 192 | 193 | 187 | 191 |
| 45.0 | 170 | 168 | 161 | 160 | 171 | 167 | 173 | 174 | 177 | 178 | 171 | 176 |
| 50.0 | 152 | 147 | 140 | 134 | 153 | 146 | 157 | 157 | 161 | 162 | 157 | 159 |
| 55.0 | 133 | 128 | 117 | 109 | 133 | 126 | 132 | 138 | 140 | 142 | 133 | 140 |
| 60.0 | 112 | 107 | 90.8 | 84.2 | 111 | 103 | 109 | 119 | 119 | 120 | 111 | 121 |
| 65.0 | 88.1 | 82.5 | 64.2 | 62.9 | 87.4 | 79.0 | 84.7 | 95.8 | 96.7 | 97.8 | 87.8 | 98.3 |
| 70.0 | 63.4 | 58.1 | 40.6 | 40.1 | 63.2 | 54.6 | 60.4 | 71.3 | 73.2 | 74.0 | 64.1 | 74.7 |
| 75.0 | 39.5 | 35.0 | 22.1 | 17.0 | 40.5 | 31.9 | 36.5 | 47.7 | 49.5 | 50.3 | 41.3 | 51.2 |
| 80.0 | 16.0 | 16.6 | 10.9 | 3.06 | 22.1 | 15.0 | 13.6 | 27.4 | 28.6 | 27.3 | 22.1 | 29.3 |
| 85.0 | 4.28 | 2.92 | 3.41 | 0.63 | 6.12 | 2.43 | 1.74 | 11.9 | 13.0 | 7.55 | 7.41 | 12.0 |
| 90.0 | 3.13 | 0.63 | 2.71 | 0.52 | 3.16 | 0.80 | 0.87 | 3.68 | 2.05 | 3.82 | 1.00 | 3.96 |
| 95.0 | 2.74 | 0.59 | 2.40 | 0.56 | 2.74 | 0.80 | 0.87 | 2.88 | 0.84 | 3.09 | 0.87 | 3.23 |
| 100.0 | 2.50 | 0.63 | 2.19 | 0.59 | 2.47 | 0.84 | 0.91 | 2.50 | 0.73 | 2.64 | 0.80 | 2.81 |
| 105.0 | 2.33 | 0.70 | 2.05 | 0.63 | 2.26 | 0.91 | 0.94 | 2.29 | 0.66 | 2.40 | 0.84 | 2.40 |
| 110.0 | 2.22 | 0.77 | 1.98 | 0.70 | 2.12 | 0.97 | 1.00 | 2.15 | 0.63 | 2.12 | 0.84 | 2.15 |
| 115.0 | 2.15 | 0.84 | 1.91 | 0.77 | 2.01 | 1.00 | 1.07 | 2.05 | 0.70 | 2.01 | 0.84 | 2.15 |
| 120.0 | 2.08 | 0.91 | 1.87 | 0.87 | 1.94 | 1.04 | 1.14 | 2.01 | 0.77 | 1.98 | 0.87 | 2.08 |
| 125.0 | 2.05 | 1.00 | 1.87 | 0.94 | 1.87 | 1.07 | 1.21 | 1.94 | 0.87 | 1.98 | 0.97 | 2.05 |
| 130.0 | 2.01 | 1.04 | 1.84 | 1.00 | 1.84 | 1.14 | 1.25 | 1.91 | 0.94 | 1.98 | 0.97 | 1.98 |
| 135.0 | 2.01 | 1.14 | 1.84 | 1.04 | 1.81 | 1.14 | 1.35 | 1.91 | 1.00 | 1.98 | 1.11 | 1.91 |
| 140.0 | 1.98 | 1.18 | 1.84 | 1.14 | 1.77 | 1.11 | 1.39 | 1.91 | 1.07 | 1.87 | 1.18 | 1.87 |
| 145.0 | 1.94 | 1.25 | 1.84 | 1.18 | 1.77 | 1.14 | 1.42 | 1.84 | 1.11 | 1.84 | 1.14 | 1.84 |
| 150.0 | 1.94 | 1.28 | 1.84 | 1.25 | 1.74 | 1.21 | 1.46 | 1.81 | 1.18 | 1.81 | 1.14 | 1.81 |
| 155.0 | 1.91 | 1.35 | 1.84 | 1.32 | 1.74 | 1.25 | 1.49 | 1.81 | 1.21 | 1.77 | 1.21 | 1.84 |
| 160.0 | 1.91 | 1.39 | 1.84 | 1.35 | 1.70 | 1.32 | 1.56 | 1.77 | 1.25 | 1.74 | 1.28 | 2.19 |
| 165.0 | 1.87 | 1.42 | 1.81 | 1.39 | 1.70 | 1.46 | 1.60 | 1.74 | 1.28 | 1.74 | 1.32 | 2.26 |
| 170.0 | 1.87 | 1.46 | 1.74 | 1.46 | 1.67 | 1.60 | 1.67 | 1.74 | 1.28 | 1.74 | 1.39 | 2.22 |
| 175.0 | 1.87 | 1.49 | 1.32 | 1.70 | 1.42 | 2.19 | 1.70 | 1.74 | 1.32 | 1.70 | 1.42 | 2.19 |
| 180.0 | 1.84 | 1.74 | 1.39 | 1.67 | 1.39 | 2.12 | 1.84 | 1.74 | 1.39 | 1.67 | 1.39 | 2.12 |

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024/01/22

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