

LAMP PHOTOMETRIC REPORT

MODEL: JXL-MZ05-T12W-5CCT-50K

POWER: 12W

VOLTAGE: 120V

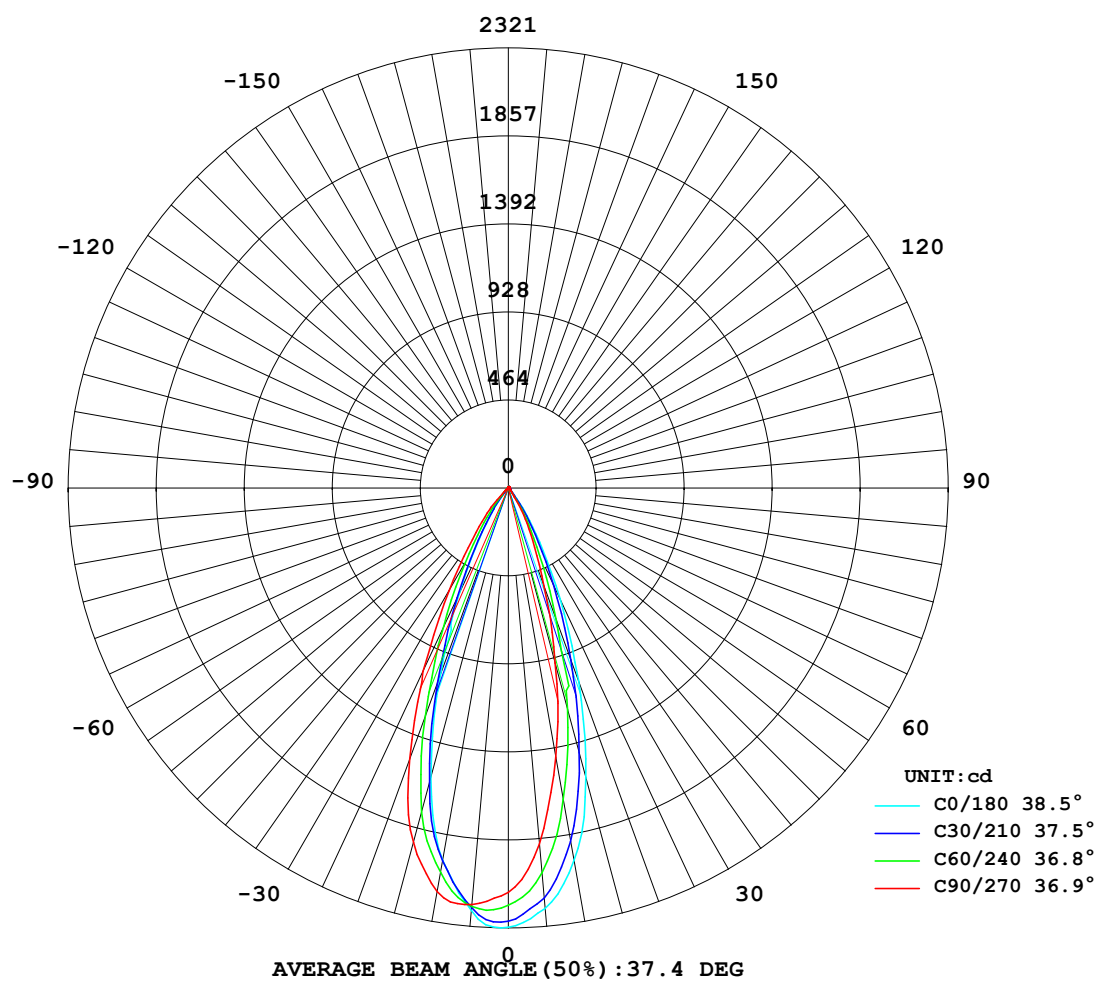
WORKING VOLTAGE: 119.6V

MANUFACTURER:

TOTAL FLUX: 1127.6 lm

Efficiency: 96.053 lm/W

Test: U: 119.5V I: 0.099A P: 11.74W PF: 0.990



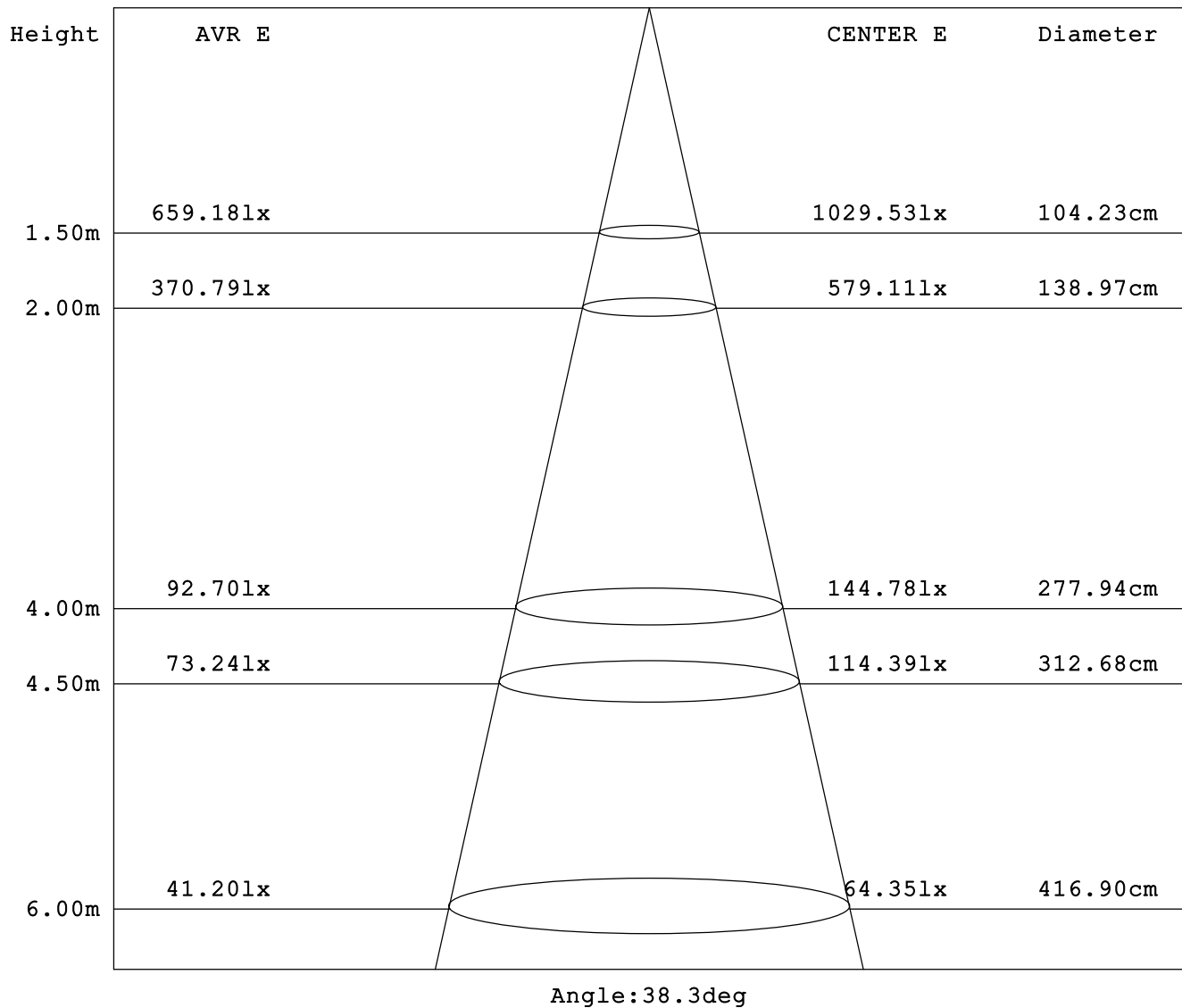
Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2021年10月18日

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: | WEIGHT: |
| SPECIFICATION: JXL-MZ05-T12W-5CCT-50K | DIMENSION: | SERIAL No.: |



Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021年10月18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-MZ05-T12W-5CCT-50K | DIMENSION: | SERIAL No.: |

| DEG | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | DEG | One | total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 5.0 | 2237 | 2219 | 2205 | 2203 | 2226 | 2104 | 1885 | 1612 | 0- 5 | 50.51 | 50.51 |
| 10.0 | 1994 | 2029 | 2162 | 2292 | 1994 | 1782 | 1444 | 1119 | 5- 10 | 139.5 | 190.0 |
| 15.0 | 1581 | 1690 | 1936 | 2193 | 1584 | 1328 | 956.8 | 665.8 | 10- 15 | 196.6 | 386.6 |
| 20.0 | 1050 | 1185 | 1521 | 1952 | 1086 | 853.4 | 557.1 | 346.7 | 15- 20 | 210.0 | 596.6 |
| 25.0 | 614.2 | 723.5 | 1069 | 1489 | 647.4 | 479.1 | 303.6 | 179.6 | 20- 25 | 183.1 | 779.8 |
| 30.0 | 302.6 | 388.0 | 626.2 | 1015 | 331.2 | 240.1 | 165.3 | 57.88 | 25- 30 | 136.2 | 916.0 |
| 35.0 | 133.1 | 179.3 | 332.2 | 594.0 | 147.9 | 94.90 | 50.12 | 27.44 | 30- 35 | 86.28 | 1002 |
| 40.0 | 47.06 | 63.11 | 173.7 | 327.2 | 38.81 | 32.35 | 28.61 | 16.06 | 35- 40 | 47.82 | 1050 |
| 45.0 | 26.69 | 26.50 | 45.98 | 172.6 | 21.12 | 19.65 | 18.03 | 9.398 | 40- 45 | 25.77 | 1076 |
| 50.0 | 17.12 | 17.17 | 22.76 | 46.40 | 13.19 | 12.60 | 11.34 | 7.014 | 45- 50 | 12.58 | 1088 |
| 55.0 | 11.06 | 11.45 | 13.57 | 25.89 | 7.553 | 8.772 | 8.841 | 3.898 | 50- 55 | 6.512 | 1095 |
| 60.0 | 8.632 | 8.232 | 7.379 | 15.19 | 5.743 | 6.196 | 4.838 | 2.523 | 55- 60 | 4.396 | 1099 |
| 65.0 | 5.291 | 5.465 | 5.499 | 8.563 | 2.471 | 3.185 | 3.620 | 2.210 | 60- 65 | 2.924 | 1102 |
| 70.0 | 3.759 | 3.028 | 2.958 | 6.613 | 1.462 | 2.401 | 3.202 | 2.053 | 65- 70 | 1.973 | 1104 |
| 75.0 | 3.272 | 2.349 | 1.462 | 3.655 | 1.322 | 2.175 | 2.958 | 1.966 | 70- 75 | 1.489 | 1106 |
| 80.0 | 3.028 | 2.140 | 1.218 | 2.488 | 1.322 | 2.071 | 2.749 | 1.897 | 75- 80 | 1.203 | 1107 |
| 85.0 | 2.819 | 2.018 | 1.183 | 2.193 | 1.322 | 1.966 | 2.610 | 1.844 | 80- 85 | 1.117 | 1108 |
| 90.0 | 2.680 | 1.949 | 1.183 | 2.053 | 1.357 | 1.897 | 2.506 | 1.827 | 85- 90 | 1.075 | 1109 |
| 95.0 | 2.541 | 1.879 | 1.183 | 1.966 | 1.392 | 1.879 | 2.401 | 1.810 | 90- 95 | 1.044 | 1110 |
| 100.0 | 2.436 | 1.844 | 1.218 | 1.914 | 1.427 | 1.844 | 2.332 | 1.810 | 95-100 | 1.013 | 1111 |
| 105.0 | 2.367 | 1.810 | 1.253 | 1.844 | 1.462 | 1.827 | 2.297 | 1.844 | 100-105 | 0.986 | 1112 |
| 110.0 | 2.297 | 1.792 | 1.287 | 1.810 | 1.531 | 1.827 | 2.262 | 1.949 | 105-110 | 0.960 | 1113 |
| 115.0 | 2.262 | 1.810 | 1.322 | 1.792 | 1.601 | 1.879 | 2.332 | 2.140 | 110-115 | 0.944 | 1114 |
| 120.0 | 2.332 | 1.897 | 1.392 | 1.775 | 1.740 | 2.001 | 2.471 | 2.488 | 115-120 | 0.949 | 1115 |
| 125.0 | 2.506 | 2.071 | 1.566 | 1.827 | 1.984 | 2.227 | 2.749 | 2.993 | 120-125 | 0.982 | 1116 |
| 130.0 | 2.819 | 2.384 | 1.810 | 1.931 | 2.401 | 2.628 | 3.237 | 3.655 | 125-130 | 1.053 | 1117 |
| 135.0 | 3.341 | 2.889 | 2.227 | 2.158 | 2.958 | 3.185 | 3.863 | 4.403 | 130-135 | 1.157 | 1118 |
| 140.0 | 4.003 | 3.533 | 2.784 | 2.558 | 3.689 | 3.898 | 4.560 | 5.186 | 135-140 | 1.276 | 1120 |
| 145.0 | 4.768 | 4.299 | 3.515 | 3.115 | 4.490 | 4.681 | 5.325 | 5.900 | 140-145 | 1.379 | 1121 |
| 150.0 | 5.569 | 5.082 | 4.281 | 3.829 | 5.360 | 5.430 | 6.022 | 6.474 | 145-150 | 1.432 | 1122 |
| 155.0 | 6.300 | 5.795 | 5.047 | 4.577 | 6.091 | 6.091 | 6.579 | 6.874 | 150-155 | 1.407 | 1124 |
| 160.0 | 6.857 | 6.405 | 5.778 | 5.325 | 6.718 | 6.596 | 6.996 | 7.083 | 155-160 | 1.292 | 1125 |
| 165.0 | 7.275 | 6.805 | 6.335 | 5.969 | 7.205 | 6.944 | 7.275 | 7.188 | 160-165 | 1.092 | 1126 |
| 170.0 | 7.518 | 7.031 | 6.753 | 6.492 | 7.553 | 7.153 | 7.484 | 7.257 | 165-170 | 0.825 | 1127 |
| 175.0 | 7.693 | 7.153 | 7.031 | 6.822 | 7.797 | 7.275 | 7.553 | 7.223 | 170-175 | 0.513 | 1127 |
| 180.0 | 7.762 | 7.275 | 7.275 | 7.083 | 7.867 | 7.257 | 7.414 | 7.049 | 175-180 | 0.174 | 1128 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | |

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2021年10月18日

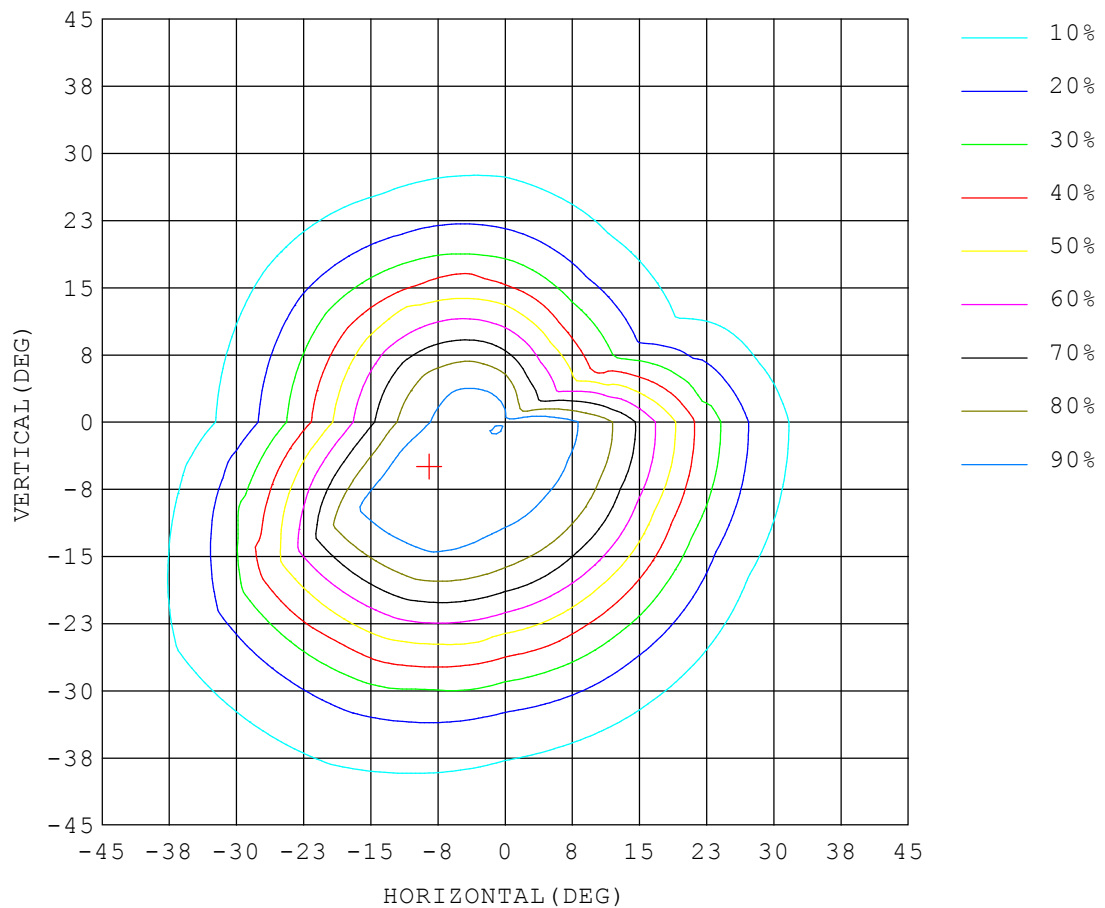
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

| | | |
|---------------------------------------|------------|-------------|
| MANUFACTURER: | Address: | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: JXL-MZ05-T12W-5CCT-50K | DIMENSION: | SERIAL No.: |

UNIT: cd



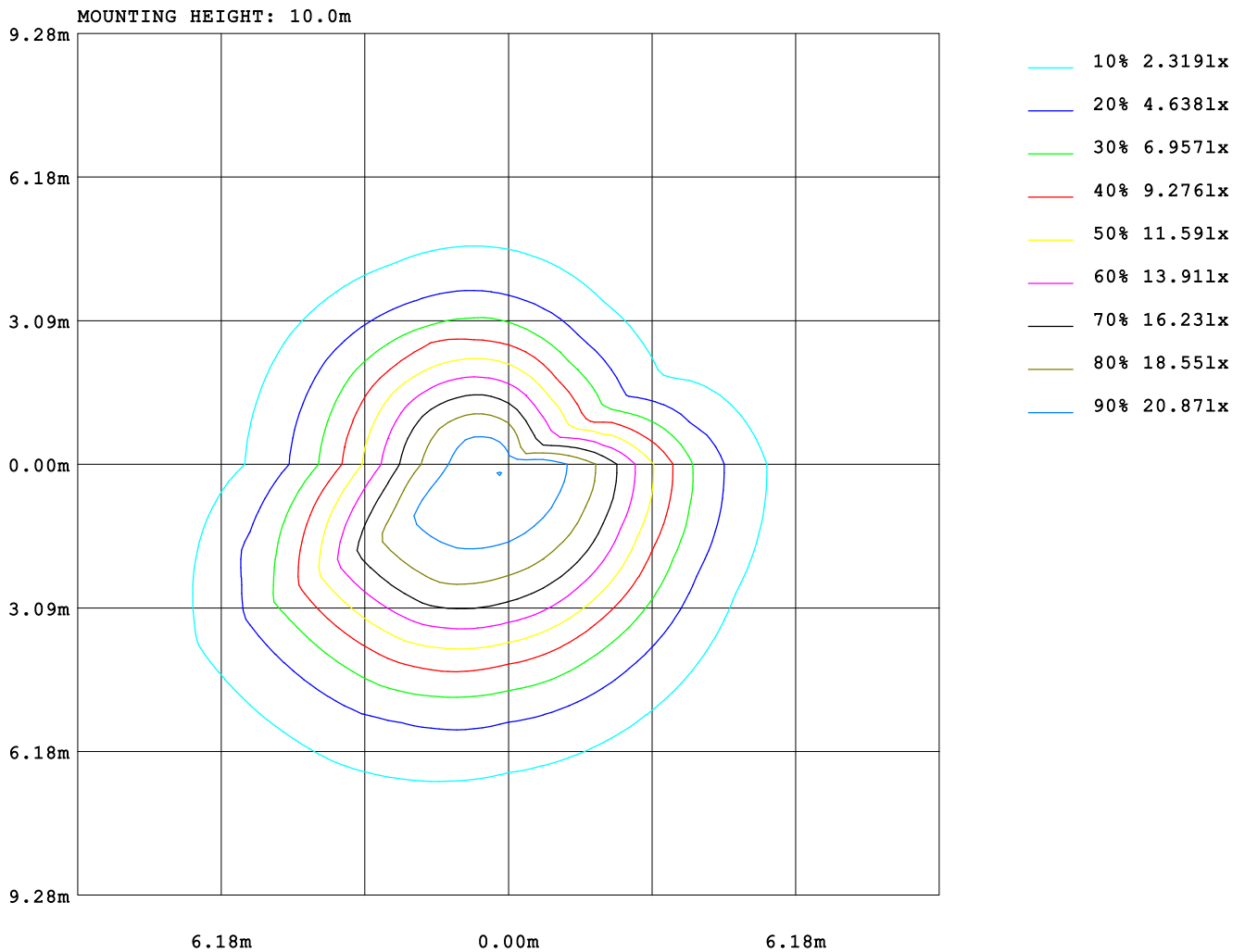
Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2021年10月18日

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-MZ05-T12W-5CCT-50K | DIMENSION: | SERIAL No.: |



Test System: HOPOO HPG1800
Temperature: 25.3DEG
Operators:
Test Date: 2021年10月18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-MZ05-T12W-5CCT-50K | | DIMENSION : | SERIAL No. : |

| VERTICAL (DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | | | UNIT:lm | | □ t | □ a | | | | |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|------|------|---------|------|-----|-----|----|----|----|----|
| | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 | 0.11 | 0.14 | 0.16 | 0.17 | 0.16 | 0.13 | 0.10 | 0.07 | 0.05 | 0.05 | 0.04 | 0.03 | 0.02 | 1.57 | 1.57 | | | | | | |
| 45 | 0.06 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.22 | 0.26 | 0.28 | 0.26 | 0.21 | 0.16 | 0.11 | 0.08 | 0.06 | 0.05 | 0.04 | 0.03 | 2.44 | 2.44 | | | | | | |
| 40 | 0.08 | 0.11 | 0.14 | 0.18 | 0.25 | 0.35 | 0.55 | 0.69 | 0.73 | 0.62 | 0.42 | 0.25 | 0.17 | 0.12 | 0.09 | 0.07 | 0.05 | 0.04 | 4.91 | 4.91 | | | | | | |
| 35 | 0.10 | 0.14 | 0.20 | 0.33 | 0.65 | 1.07 | 1.41 | 1.70 | 1.78 | 1.58 | 1.15 | 0.62 | 0.28 | 0.19 | 0.14 | 0.09 | 0.07 | 0.05 | 11.5 | 11.5 | | | | | | |
| 30 | 0.11 | 0.17 | 0.32 | 0.77 | 1.42 | 2.11 | 2.77 | 3.28 | 3.34 | 2.89 | 2.15 | 1.39 | 0.77 | 0.32 | 0.19 | 0.13 | 0.09 | 0.07 | 22.3 | 22.3 | | | | | | |
| 25 | 0.13 | 0.22 | 0.59 | 1.38 | 2.45 | 3.77 | 5.04 | 5.99 | 6.06 | 5.13 | 3.62 | 2.30 | 1.38 | 0.64 | 0.30 | 0.24 | 0.14 | 0.09 | 39.5 | 39.5 | | | | | | |
| 20 | 0.14 | 0.30 | 0.94 | 2.03 | 3.75 | 5.90 | 8.06 | 9.51 | 9.63 | 8.17 | 5.70 | 3.57 | 2.00 | 1.31 | 0.79 | 0.47 | 0.22 | 0.12 | 62.6 | 62.6 | | | | | | |
| 15 | 0.15 | 0.42 | 1.23 | 2.65 | 4.95 | 7.91 | 10.9 | 13.0 | 13.3 | 11.1 | 7.89 | 5.38 | 4.09 | 2.89 | 1.65 | 0.80 | 0.33 | 0.15 | 88.9 | 88.9 | | | | | | |
| 10 | 0.16 | 0.51 | 1.42 | 3.09 | 5.79 | 9.29 | 12.8 | 15.4 | 16.2 | 13.8 | 12.1 | 10.4 | 7.76 | 4.81 | 2.60 | 1.17 | 0.45 | 0.18 | 118 | 118 | | | | | | |
| 5 | 0.28 | 0.78 | 2.00 | 4.09 | 7.30 | 11.1 | 14.6 | 16.7 | 16.5 | 16.9 | 15.8 | 13.2 | 9.47 | 5.69 | 2.99 | 1.31 | 0.49 | 0.19 | 140 | 140 | | | | | | |
| 0 | 0.48 | 1.18 | 2.81 | 5.47 | 9.28 | 13.4 | 16.2 | 17.1 | 16.9 | 16.4 | 15.0 | 12.3 | 8.60 | 5.19 | 2.69 | 1.18 | 0.42 | 0.17 | 145 | 145 | | | | | | |
| -5 | 0.63 | 1.40 | 3.17 | 6.20 | 10.1 | 13.6 | 15.5 | 16.2 | 16.0 | 15.1 | 13.4 | 10.5 | 7.13 | 4.22 | 2.14 | 0.95 | 0.31 | 0.14 | 137 | 137 | | | | | | |
| -10 | 0.67 | 1.46 | 3.10 | 5.92 | 8.66 | 11.1 | 13.1 | 14.0 | 13.7 | 12.6 | 10.7 | 8.18 | 5.51 | 3.17 | 1.53 | 0.66 | 0.21 | 0.12 | 115 | 115 | | | | | | |
| -15 | 0.58 | 1.37 | 2.60 | 4.28 | 6.35 | 8.29 | 9.84 | 10.4 | 10.1 | 9.20 | 7.68 | 5.75 | 3.83 | 2.18 | 1.06 | 0.37 | 0.15 | 0.10 | 84.3 | 84.3 | | | | | | |
| -20 | 0.37 | 1.08 | 1.84 | 2.85 | 4.15 | 5.49 | 6.51 | 6.91 | 6.65 | 5.94 | 4.90 | 3.62 | 2.35 | 1.35 | 0.63 | 0.22 | 0.12 | 0.08 | 55.1 | 55.1 | | | | | | |
| -25 | 0.21 | 0.58 | 1.20 | 1.84 | 2.57 | 3.32 | 3.84 | 4.00 | 3.79 | 3.34 | 2.74 | 2.01 | 1.31 | 0.72 | 0.32 | 0.16 | 0.10 | 0.06 | 32.1 | 32.1 | | | | | | |
| -30 | 0.15 | 0.25 | 0.56 | 1.06 | 1.55 | 1.93 | 2.13 | 2.16 | 2.00 | 1.74 | 1.42 | 1.02 | 0.61 | 0.32 | 0.20 | 0.13 | 0.09 | 0.05 | 17.4 | 17.4 | | | | | | |
| -35 | 0.11 | 0.17 | 0.25 | 0.40 | 0.67 | 0.93 | 1.04 | 1.04 | 0.93 | 0.77 | 0.59 | 0.41 | 0.27 | 0.20 | 0.14 | 0.10 | 0.07 | 0.05 | 8.11 | 8.11 | | | | | | |
| -40 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -45 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | -45 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | HORIZONTAL (DEG) | | | | | | | | | | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| □ t | 4.45 | 10.3 | 22.5 | 42.7 | 70.2 | 100 | 125 | 139 | 138 | 126 | 106 | 81.4 | 55.7 | 33.4 | 17.5 | 8.15 | 3.37 | 1.72 | 1128 | | | | | | | |
| □ a | 4.45 | 10.3 | 22.5 | 42.7 | 70.2 | 100 | 125 | 139 | 138 | 126 | 106 | 81.4 | 55.7 | 33.4 | 17.5 | 8.15 | 3.37 | 1.72 | | 1128 | | | | | | |

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2021年10月18日

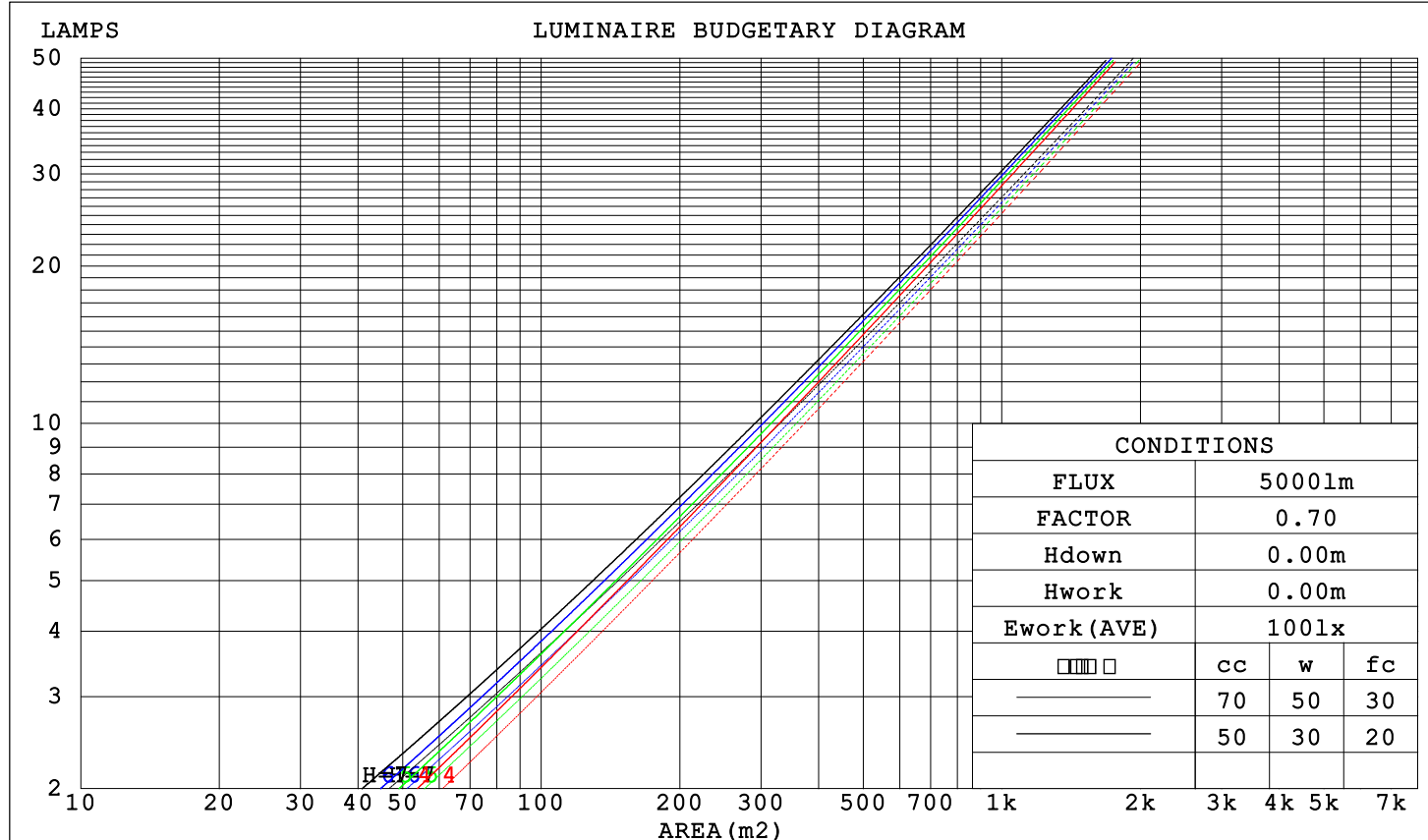
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

| | | | | | | | |
|---------------------------------------|--|--|--|------------|--|-------------|--|
| MANUFACTURER: | | | | Address: | | | |
| NAME: | | | | TYPE: | | WEIGHT: | |
| SPECIFICATION: JXL-MZ05-T12W-5CCT-50K | | | | DIMENSION: | | SERIAL No.: | |

| | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| □cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| □w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| □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 | .98 |
| 1.0 | 1.11 | 1.09 | 1.06 | 1.09 | 1.07 | 1.05 | 1.04 | 1.03 | 1.01 | 1.00 | .99 | .98 | .97 | .96 | .95 | .93 |
| 2.0 | 1.04 | 1.00 | .97 | 1.02 | .99 | .96 | .99 | .96 | .94 | .96 | .93 | .91 | .93 | .91 | .89 | .88 |
| 3.0 | .98 | .93 | .90 | .96 | .92 | .89 | .94 | .90 | .87 | .91 | .88 | .86 | .89 | .86 | .84 | .83 |
| 4.0 | .92 | .87 | .83 | .91 | .86 | .83 | .89 | .85 | .82 | .87 | .83 | .81 | .85 | .82 | .80 | .78 |
| 5.0 | .87 | .82 | .78 | .86 | .81 | .78 | .84 | .80 | .77 | .83 | .79 | .76 | .81 | .78 | .75 | .74 |
| 6.0 | .83 | .77 | .74 | .82 | .77 | .73 | .80 | .76 | .73 | .79 | .75 | .72 | .77 | .74 | .72 | .70 |
| 7.0 | .79 | .73 | .70 | .78 | .73 | .69 | .77 | .72 | .69 | .75 | .71 | .68 | .74 | .71 | .68 | .67 |
| 8.0 | .75 | .70 | .66 | .74 | .69 | .66 | .73 | .69 | .65 | .72 | .68 | .65 | .71 | .67 | .65 | .63 |
| 9.0 | .72 | .66 | .63 | .71 | .66 | .63 | .70 | .65 | .62 | .69 | .65 | .62 | .68 | .64 | .62 | .61 |
| 10.0 | .68 | .63 | .60 | .68 | .63 | .60 | .67 | .63 | .59 | .66 | .62 | .59 | .65 | .62 | .59 | .58 |



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2021年10月18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-MZ05-T12W-5CCT-50K | DIMENSION: | | | SERIAL No.: | | |

| | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|
| □cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| □w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| □fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients (WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .168 | .095 | .030 | .160 | .091 | .029 | .147 | .084 | .027 | .134 | .078 | .025 | .123 | .071 | .023 | |
| 2.0 | .158 | .087 | .027 | .152 | .084 | .026 | .141 | .078 | .024 | .130 | .073 | .023 | .120 | .068 | .021 | |
| 3.0 | .149 | .079 | .024 | .144 | .077 | .023 | .134 | .073 | .022 | .125 | .069 | .021 | .117 | .065 | .020 | |
| 4.0 | .141 | .073 | .022 | .137 | .071 | .021 | .128 | .068 | .020 | .120 | .065 | .020 | .113 | .062 | .019 | |
| 5.0 | .134 | .068 | .020 | .130 | .067 | .019 | .123 | .064 | .019 | .116 | .061 | .018 | .110 | .059 | .018 | |
| 6.0 | .127 | .064 | .018 | .124 | .063 | .018 | .118 | .060 | .018 | .112 | .058 | .017 | .106 | .056 | .017 | |
| 7.0 | .121 | .060 | .017 | .118 | .059 | .017 | .113 | .057 | .016 | .107 | .055 | .016 | .102 | .053 | .016 | |
| 8.0 | .116 | .057 | .016 | .113 | .056 | .016 | .108 | .054 | .015 | .104 | .052 | .015 | .099 | .051 | .015 | |
| 9.0 | .111 | .054 | .015 | .109 | .053 | .015 | .104 | .052 | .015 | .100 | .050 | .014 | .096 | .049 | .014 | |
| 10.0 | .107 | .051 | .014 | .105 | .050 | .014 | .100 | .049 | .014 | .096 | .048 | .014 | .093 | .047 | .013 | |

| □cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|---|
| □w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| □fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients (CCEC) | | | | | | | | | |
| 0.0 | .203 | .203 | .203 | .173 | .173 | .173 | .118 | .118 | .118 | .068 | .068 | .068 | .022 | .022 | .022 | |
| 1.0 | .183 | .170 | .158 | .157 | .146 | .136 | .107 | .100 | .094 | .062 | .058 | .055 | .020 | .019 | .018 | |
| 2.0 | .167 | .145 | .127 | .143 | .125 | .110 | .098 | .086 | .077 | .057 | .050 | .045 | .018 | .016 | .015 | |
| 3.0 | .154 | .126 | .104 | .132 | .109 | .090 | .091 | .076 | .063 | .052 | .044 | .037 | .017 | .014 | .012 | |
| 4.0 | .143 | .111 | .087 | .123 | .096 | .076 | .084 | .067 | .053 | .049 | .039 | .032 | .016 | .013 | .010 | |
| 5.0 | .134 | .100 | .074 | .115 | .086 | .065 | .079 | .060 | .046 | .046 | .035 | .027 | .015 | .012 | .009 | |
| 6.0 | .126 | .090 | .064 | .108 | .078 | .056 | .075 | .055 | .040 | .043 | .032 | .024 | .014 | .011 | .008 | |
| 7.0 | .119 | .082 | .057 | .102 | .071 | .049 | .071 | .050 | .035 | .041 | .030 | .021 | .013 | .010 | .007 | |
| 8.0 | .113 | .076 | .051 | .097 | .066 | .044 | .067 | .046 | .031 | .039 | .027 | .019 | .013 | .009 | .006 | |
| 9.0 | .108 | .071 | .046 | .093 | .061 | .040 | .064 | .043 | .028 | .038 | .025 | .017 | .012 | .008 | .006 | |
| 10.0 | .103 | .066 | .042 | .089 | .058 | .036 | .062 | .040 | .026 | .036 | .024 | .015 | .012 | .008 | .005 | |

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2021年10月18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-MZ05-T12W-5CCT-50K | | | | | | 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 | 15.6 | 16.4 | 15.8 | 16.6 | 16.8 | 20.3 | 21.2 | 20.6 | 21.4 | 21.6 |
| 3H | 15.5 | 16.3 | 15.8 | 16.5 | 16.8 | 20.2 | 21.0 | 20.5 | 21.2 | 21.5 |
| 4H | 15.6 | 16.3 | 15.9 | 16.5 | 16.8 | 20.2 | 20.9 | 20.5 | 21.1 | 21.4 |
| 6H | 15.7 | 16.4 | 16.0 | 16.6 | 16.9 | 20.1 | 20.8 | 20.4 | 21.1 | 21.3 |
| 8H | 15.8 | 16.5 | 16.1 | 16.8 | 17.0 | 20.1 | 20.7 | 20.4 | 21.0 | 21.3 |
| 12H | 16.0 | 16.7 | 16.4 | 17.0 | 17.3 | 20.0 | 20.7 | 20.4 | 21.0 | 21.3 |
| 4H 2H | 15.5 | 16.2 | 15.8 | 16.4 | 16.7 | 20.1 | 20.9 | 20.4 | 21.1 | 21.4 |
| 3H | 15.4 | 16.1 | 15.8 | 16.4 | 16.7 | 20.0 | 20.7 | 20.4 | 21.0 | 21.3 |
| 4H | 15.5 | 16.1 | 15.8 | 16.4 | 16.7 | 20.0 | 20.6 | 20.4 | 20.9 | 21.2 |
| 6H | 15.7 | 16.2 | 16.1 | 16.5 | 16.9 | 19.9 | 20.4 | 20.3 | 20.8 | 21.2 |
| 8H | 15.9 | 16.3 | 16.3 | 16.7 | 17.1 | 19.9 | 20.4 | 20.3 | 20.8 | 21.2 |
| 12H | 16.2 | 16.7 | 16.7 | 17.1 | 17.5 | 19.9 | 20.3 | 20.4 | 20.7 | 21.2 |
| 8H 4H | 15.4 | 15.9 | 15.8 | 16.3 | 16.7 | 19.9 | 20.3 | 20.3 | 20.7 | 21.1 |
| 6H | 15.6 | 16.0 | 16.1 | 16.5 | 16.9 | 19.9 | 20.2 | 20.3 | 20.7 | 21.1 |
| 8H | 15.9 | 16.3 | 16.4 | 16.7 | 17.2 | 19.9 | 20.2 | 20.4 | 20.7 | 21.2 |
| 12H | 16.4 | 16.7 | 16.9 | 17.2 | 17.7 | 20.0 | 20.2 | 20.4 | 20.7 | 21.2 |
| 12H 4H | 15.4 | 15.8 | 15.8 | 16.2 | 16.7 | 19.8 | 20.2 | 20.2 | 20.6 | 21.1 |
| 6H | 15.7 | 16.0 | 16.1 | 16.5 | 16.9 | 19.8 | 20.2 | 20.3 | 20.6 | 21.1 |
| 8H | 16.0 | 16.3 | 16.5 | 16.7 | 17.2 | 19.9 | 20.2 | 20.4 | 20.6 | 21.2 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 2.7 / - 2.0 | | | | | + 4.2 / - 5.6 | | | | |
| 1.5H | + 4.4 / - 2.2 | | | | | + 6.6 / - 4.9 | | | | |
| 2.0H | + 2.2 / - 1.3 | | | | | + 3.7 / - 2.0 | | | | |

CIE Pub.117 Corrected 1128 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.4)

Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2021年10月18日

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: | WEIGHT: | |
| SPECIFICATION: JXL-MZ05-T12W-5CCT-50K | 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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 87 | 81 | 77 | 87 | 81 | 77 | 86 | 80 | 77 | 73 |
| 0.80 | 95 | 89 | 85 | 94 | 88 | 85 | 93 | 88 | 85 | 81 |
| 1.00 | 99 | 93 | 90 | 98 | 93 | 89 | 96 | 93 | 89 | 85 |
| 1.25 | 103 | 98 | 94 | 102 | 97 | 94 | 100 | 96 | 93 | 89 |
| 1.50 | 105 | 101 | 97 | 104 | 100 | 97 | 102 | 98 | 96 | 91 |
| 2.00 | 108 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 98 | 93 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 94 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 106 | 103 | 102 | 95 |
| 4.00 | 113 | 111 | 108 | 111 | 109 | 107 | 107 | 105 | 104 | 96 |
| 5.00 | 115 | 112 | 110 | 112 | 110 | 109 | 108 | 107 | 105 | 97 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

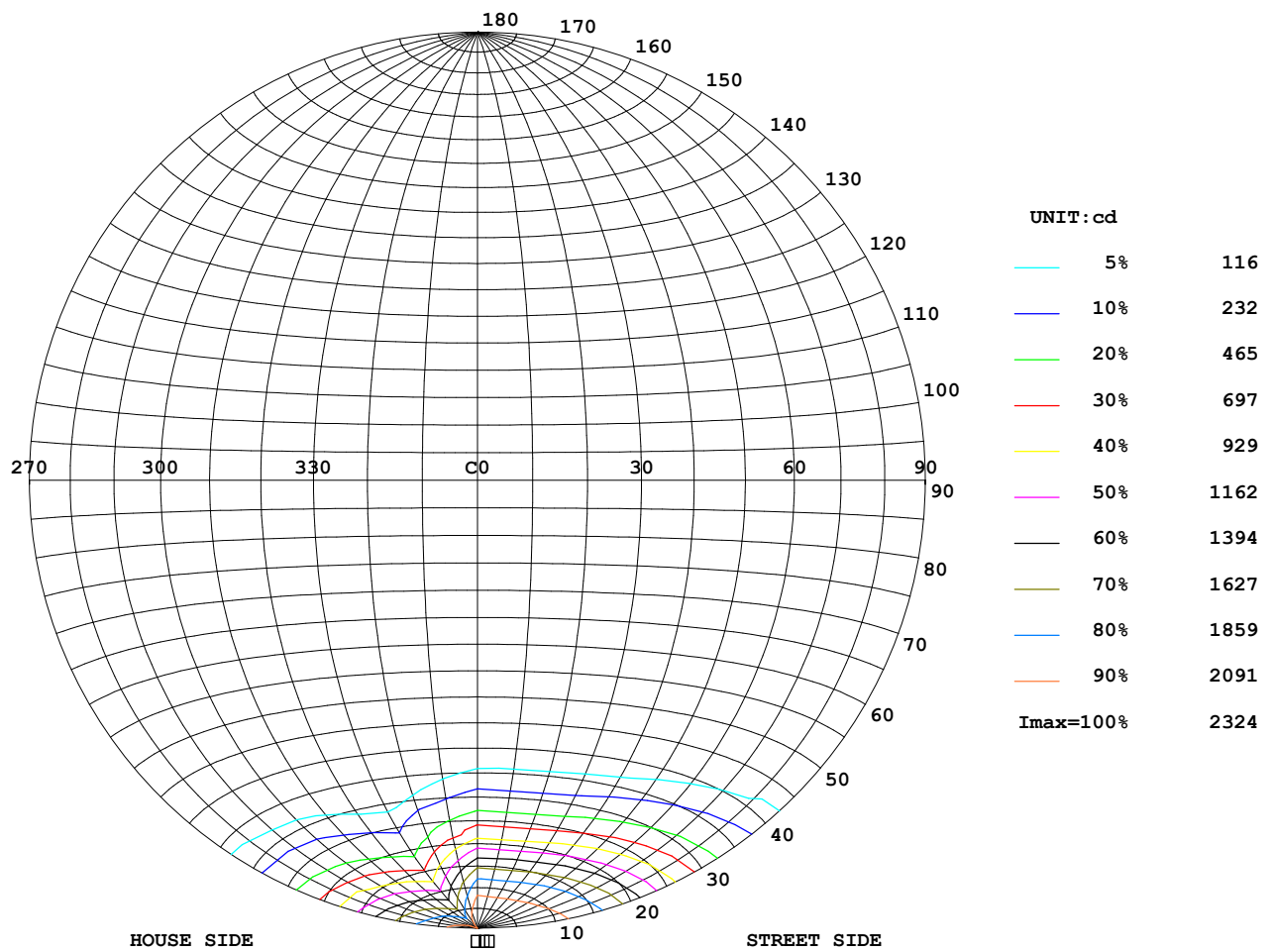
Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2021年10月18日

Test Set: 5.0 deg/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-MZ05-T12W-5CCT-50K | DIMENSION: | SERIAL No.: |



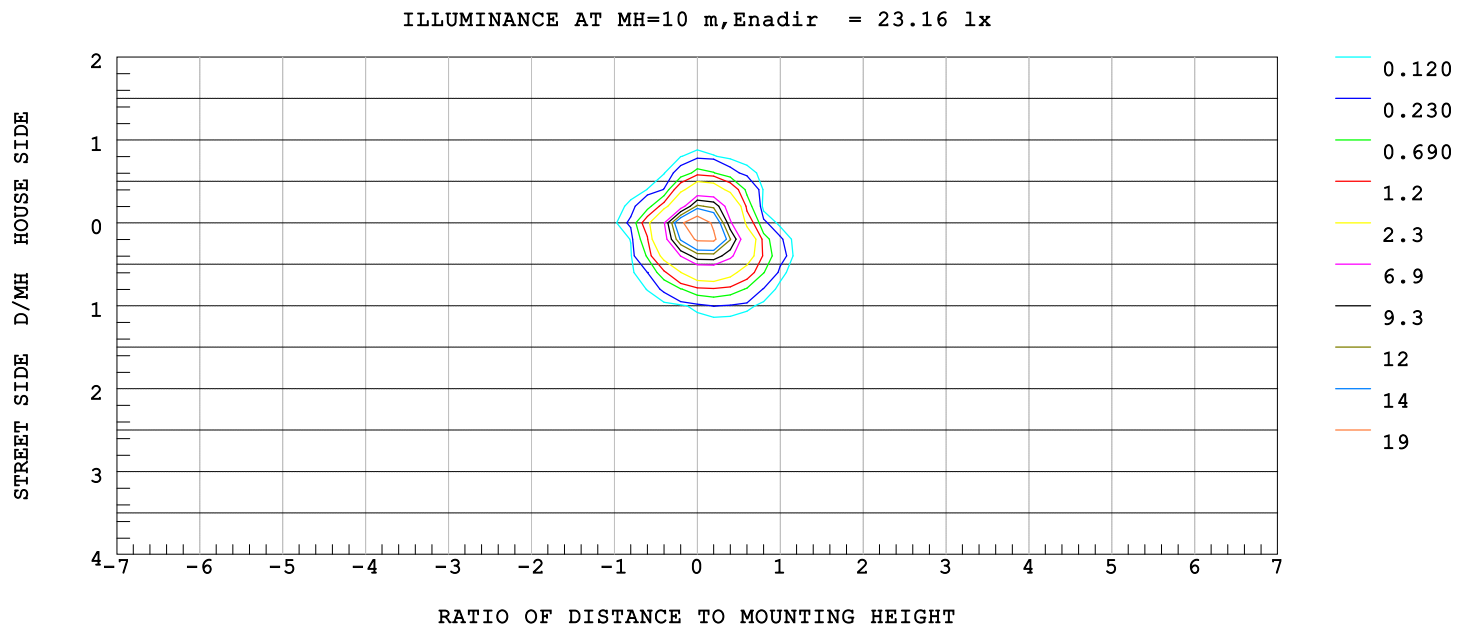
Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2021年10月18日

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-MZ05-T12W-5CCT-50K | DIMENSION: | SERIAL No.: |



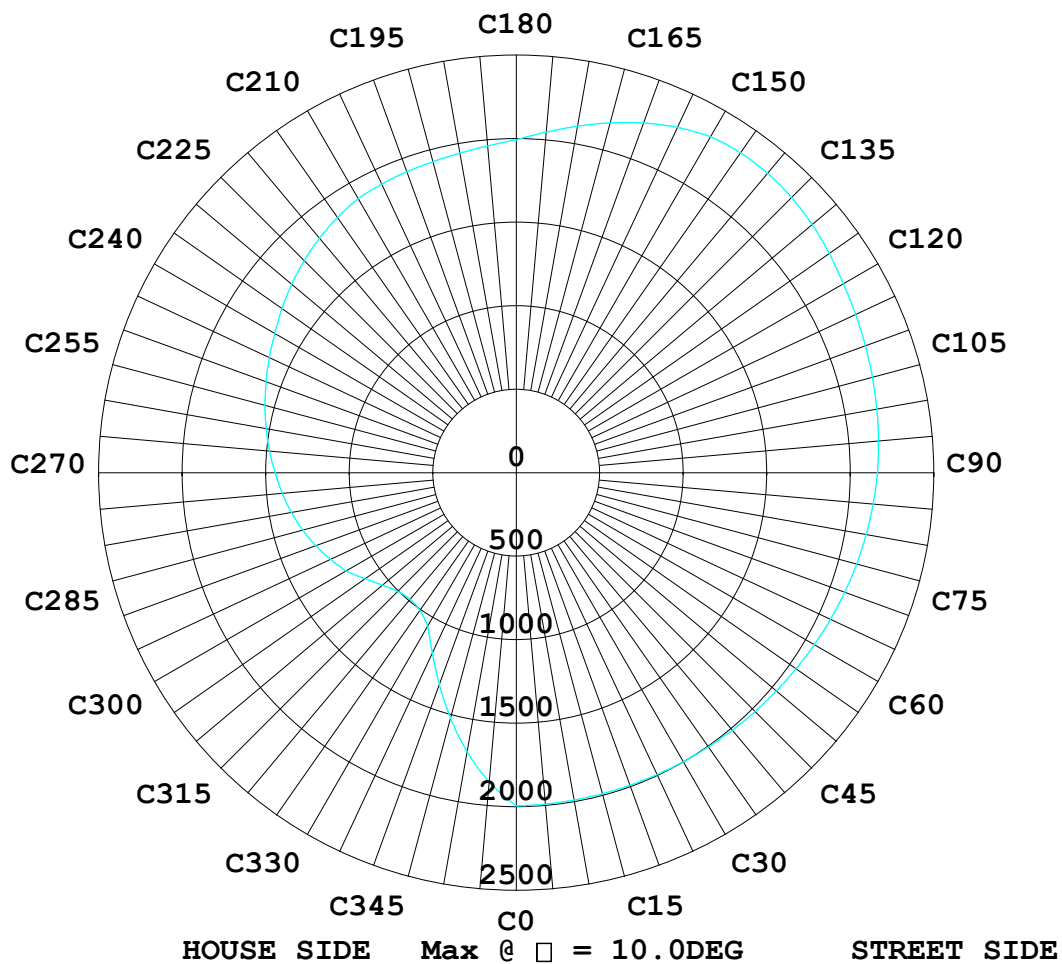
Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2021年10月18日

Test Set: 5.0 deg/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-MZ05-T12W-5CCT-50K | DIMENSION: | SERIAL No.: |



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2021年10月18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-MZ05-T12W-5CCT-50K | DIMENSION: | SERIAL No.: |

UNIT: cd

| C (DEG) □ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.0 | 2316 | 2285 | 2200 | 2132 | 2033 | 1983 | 2316 | 2285 | 2200 | 2132 | 2033 | 1983 |
| 5.0 | 2237 | 2222 | 2216 | 2205 | 2197 | 2209 | 2226 | 2171 | 2038 | 1885 | 1660 | 1563 |
| 10.0 | 1994 | 1998 | 2059 | 2162 | 2261 | 2324 | 1994 | 1895 | 1670 | 1444 | 1177 | 1061 |
| 15.0 | 1581 | 1610 | 1771 | 1936 | 2161 | 2224 | 1584 | 1447 | 1209 | 957 | 719 | 612 |
| 20.0 | 1050 | 1091 | 1279 | 1521 | 1868 | 2035 | 1086 | 963 | 744 | 557 | 381 | 313 |
| 25.0 | 614 | 640 | 807 | 1069 | 1385 | 1592 | 647 | 563 | 395 | 304 | 200 | 159 |
| 30.0 | 303 | 318 | 458 | 626 | 936 | 1094 | 331 | 288 | 193 | 165 | 62.5 | 53.2 |
| 35.0 | 133 | 134 | 224 | 332 | 540 | 648 | 148 | 129 | 60.8 | 50.1 | 25.5 | 29.3 |
| 40.0 | 47.0 | 33.4 | 92.7 | 174 | 302 | 352 | 38.8 | 39.4 | 25.2 | 28.6 | 14.6 | 17.4 |
| 45.0 | 26.6 | 18.4 | 34.5 | 45.9 | 156 | 189 | 21.1 | 24.1 | 15.1 | 18.0 | 8.04 | 10.7 |
| 50.0 | 17.1 | 12.4 | 21.8 | 22.7 | 45.7 | 47.0 | 13.1 | 16.6 | 8.56 | 11.3 | 5.74 | 8.28 |
| 55.0 | 11.0 | 8.07 | 14.8 | 13.5 | 27.1 | 24.6 | 7.55 | 11.4 | 6.12 | 8.84 | 2.74 | 5.04 |
| 60.0 | 8.63 | 6.19 | 10.2 | 7.37 | 16.8 | 13.5 | 5.74 | 9.05 | 3.34 | 4.83 | 1.35 | 3.68 |
| 65.0 | 5.29 | 2.99 | 7.93 | 5.49 | 10.2 | 6.89 | 2.47 | 4.90 | 1.46 | 3.62 | 1.18 | 3.23 |
| 70.0 | 3.75 | 1.42 | 4.62 | 2.95 | 7.97 | 5.25 | 1.46 | 3.58 | 1.21 | 3.20 | 1.14 | 2.95 |
| 75.0 | 3.27 | 1.21 | 3.48 | 1.46 | 4.83 | 2.47 | 1.32 | 3.20 | 1.14 | 2.95 | 1.14 | 2.78 |
| 80.0 | 3.02 | 1.18 | 3.09 | 1.21 | 3.62 | 1.35 | 1.32 | 2.95 | 1.18 | 2.74 | 1.14 | 2.64 |
| 85.0 | 2.81 | 1.18 | 2.85 | 1.18 | 3.16 | 1.21 | 1.32 | 2.74 | 1.18 | 2.61 | 1.18 | 2.50 |
| 90.0 | 2.68 | 1.21 | 2.68 | 1.18 | 2.92 | 1.18 | 1.35 | 2.61 | 1.18 | 2.50 | 1.21 | 2.43 |
| 95.0 | 2.54 | 1.21 | 2.54 | 1.18 | 2.74 | 1.18 | 1.39 | 2.50 | 1.25 | 2.40 | 1.25 | 2.36 |
| 100.0 | 2.43 | 1.25 | 2.43 | 1.21 | 2.61 | 1.21 | 1.42 | 2.40 | 1.28 | 2.33 | 1.32 | 2.29 |
| 105.0 | 2.36 | 1.28 | 2.33 | 1.25 | 2.47 | 1.21 | 1.46 | 2.33 | 1.32 | 2.29 | 1.39 | 2.29 |
| 110.0 | 2.29 | 1.32 | 2.26 | 1.28 | 2.36 | 1.25 | 1.53 | 2.26 | 1.39 | 2.26 | 1.53 | 2.36 |
| 115.0 | 2.26 | 1.39 | 2.22 | 1.32 | 2.29 | 1.28 | 1.60 | 2.26 | 1.49 | 2.33 | 1.77 | 2.50 |
| 120.0 | 2.33 | 1.56 | 2.22 | 1.39 | 2.22 | 1.32 | 1.74 | 2.29 | 1.70 | 2.47 | 2.12 | 2.85 |
| 125.0 | 2.50 | 1.81 | 2.33 | 1.56 | 2.22 | 1.42 | 1.98 | 2.43 | 2.01 | 2.74 | 2.64 | 3.34 |
| 130.0 | 2.81 | 2.22 | 2.54 | 1.81 | 2.29 | 1.56 | 2.40 | 2.74 | 2.50 | 3.23 | 3.30 | 4.00 |
| 135.0 | 3.34 | 2.81 | 2.95 | 2.22 | 2.50 | 1.81 | 2.95 | 3.23 | 3.13 | 3.86 | 4.07 | 4.73 |
| 140.0 | 4.00 | 3.55 | 3.51 | 2.78 | 2.88 | 2.22 | 3.68 | 3.86 | 3.93 | 4.56 | 4.87 | 5.49 |
| 145.0 | 4.76 | 4.38 | 4.21 | 3.51 | 3.41 | 2.81 | 4.49 | 4.62 | 4.73 | 5.32 | 5.60 | 6.19 |
| 150.0 | 5.56 | 5.18 | 4.97 | 4.28 | 4.10 | 3.55 | 5.36 | 5.39 | 5.46 | 6.02 | 6.23 | 6.71 |
| 155.0 | 6.30 | 5.91 | 5.67 | 5.04 | 4.83 | 4.31 | 6.09 | 6.09 | 6.09 | 6.57 | 6.68 | 7.06 |
| 160.0 | 6.85 | 6.47 | 6.33 | 5.77 | 5.53 | 5.11 | 6.71 | 6.64 | 6.54 | 6.99 | 6.92 | 7.24 |
| 165.0 | 7.27 | 6.82 | 6.78 | 6.33 | 6.12 | 5.81 | 7.20 | 7.06 | 6.82 | 7.27 | 7.03 | 7.34 |
| 170.0 | 7.51 | 6.99 | 7.06 | 6.75 | 6.61 | 6.37 | 7.55 | 7.27 | 7.03 | 7.48 | 7.10 | 7.41 |
| 175.0 | 7.69 | 7.10 | 7.20 | 7.03 | 6.89 | 6.75 | 7.79 | 7.41 | 7.13 | 7.55 | 7.06 | 7.37 |
| 180.0 | 7.76 | 7.24 | 7.31 | 7.27 | 7.13 | 7.03 | 7.86 | 7.37 | 7.13 | 7.41 | 6.92 | 7.17 |

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2021年10月18日

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