

LAMP PHOTOMETRIC REPORT

MODEL: JXL-MZ05-T12W-5CCT-40K

POWER: 12W

VOLTAGE: 120V

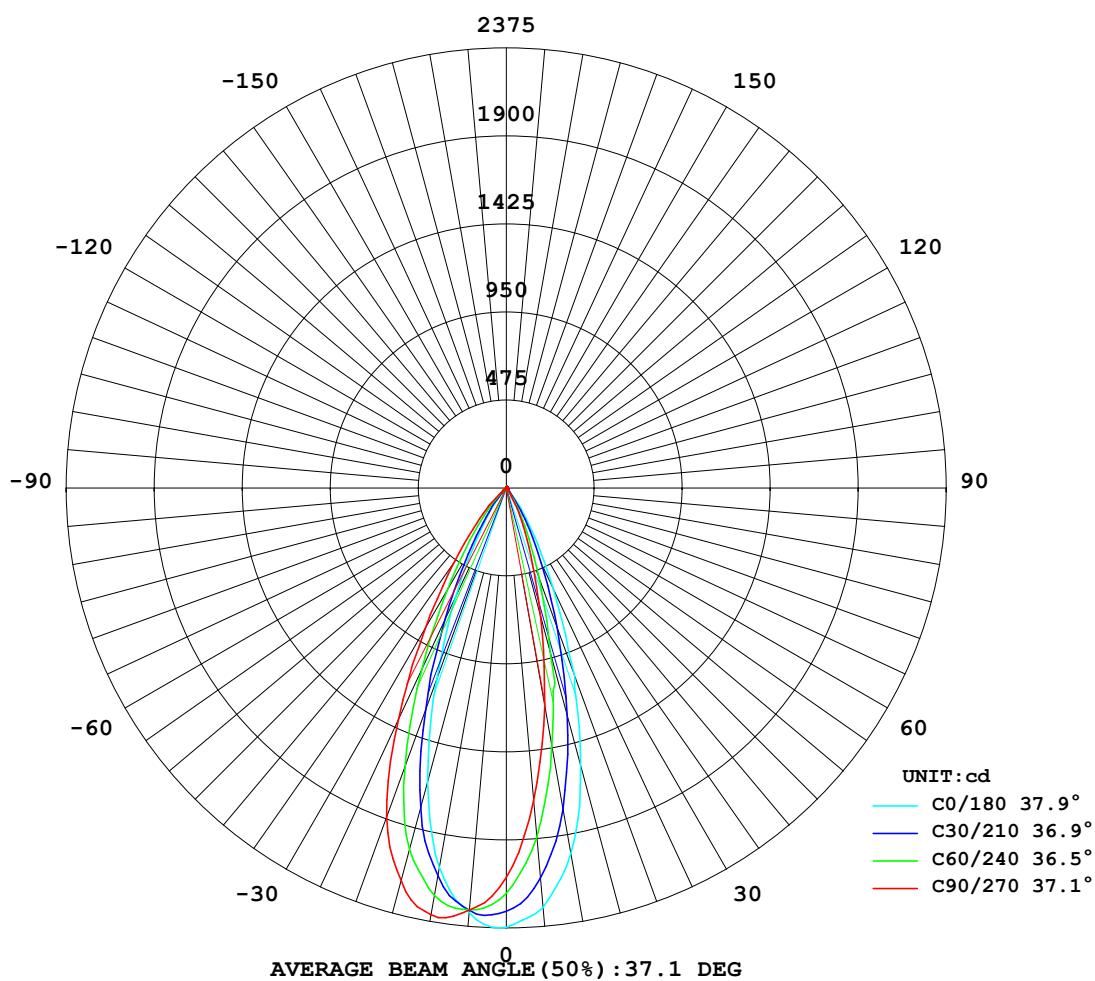
WORKING VOLTAGE: 119.6V

MANUFACTURER:

TOTAL FLUX: 1199.4 lm

Efficiency: 107.47 lm/W

Test: U: 119.5V I: 0.094A P: 11.16W PF: 0.989



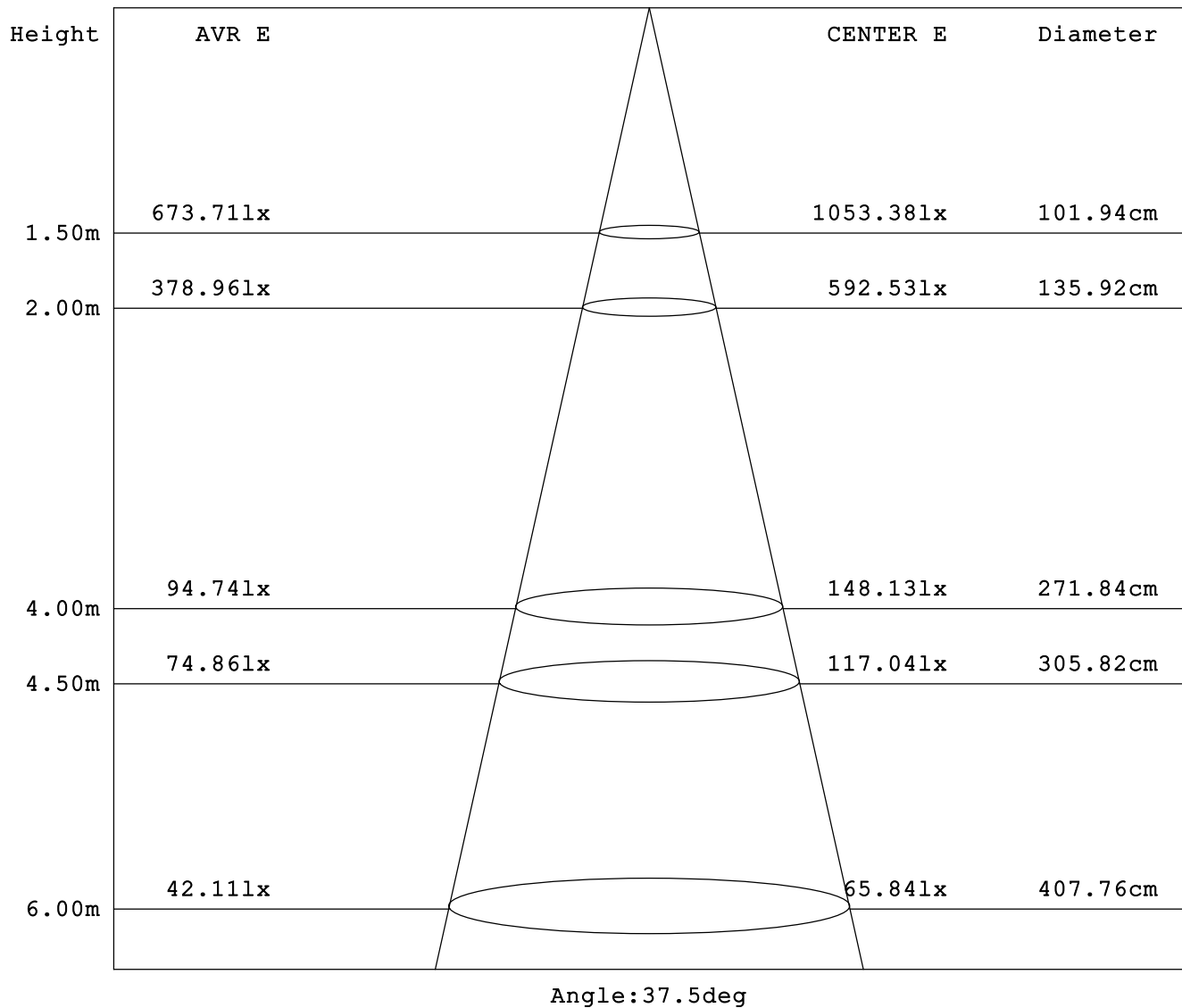
Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2021年10月18日

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-40K | 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-40K | DIMENSION: | SERIAL No.: |

| DEG | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | Zone | total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|
| 5.0 | 2299 | 2286 | 2287 | 2287 | 2274 | 2003 | 1694 | 1529 | 0- 5 | 50.52 |
| 10.0 | 2080 | 2180 | 2339 | 2428 | 2005 | 1590 | 1197 | 984.2 | 5- 10 | 139.2 |
| 15.0 | 1642 | 1904 | 2195 | 2361 | 1554 | 1092 | 720.4 | 550.2 | 10- 15 | 197.1 |
| 20.0 | 1097 | 1438 | 1889 | 2161 | 1085 | 663.7 | 383.9 | 276.8 | 15- 20 | 214.6 |
| 25.0 | 646.5 | 931.0 | 1380 | 1745 | 602.8 | 357.6 | 197.9 | 133.3 | 20- 25 | 196.6 |
| 30.0 | 326.2 | 528.7 | 880.6 | 1194 | 311.9 | 181.6 | 57.12 | 39.03 | 25- 30 | 151.2 |
| 35.0 | 153.6 | 266.5 | 498.2 | 728.1 | 143.5 | 60.37 | 33.73 | 22.57 | 30- 35 | 101.1 |
| 40.0 | 54.61 | 112.5 | 250.4 | 393.3 | 36.16 | 26.15 | 20.74 | 13.52 | 35- 40 | 59.29 |
| 45.0 | 29.20 | 39.43 | 135.8 | 203.9 | 21.12 | 16.81 | 13.05 | 8.389 | 40- 45 | 32.10 |
| 50.0 | 18.10 | 21.58 | 30.14 | 58.28 | 12.74 | 11.15 | 9.677 | 6.300 | 45- 50 | 15.97 |
| 55.0 | 11.41 | 14.41 | 17.71 | 29.08 | 7.275 | 8.162 | 6.787 | 3.202 | 50- 55 | 7.244 |
| 60.0 | 8.737 | 9.816 | 10.54 | 17.26 | 5.430 | 5.099 | 4.003 | 2.436 | 55- 60 | 4.734 |
| 65.0 | 5.639 | 7.153 | 6.439 | 9.851 | 2.227 | 2.784 | 3.411 | 2.193 | 60- 65 | 3.171 |
| 70.0 | 3.863 | 4.072 | 4.664 | 7.083 | 1.427 | 2.332 | 3.098 | 2.071 | 65- 70 | 2.172 |
| 75.0 | 3.341 | 2.610 | 1.984 | 4.664 | 1.322 | 2.158 | 2.889 | 2.001 | 70- 75 | 1.658 |
| 80.0 | 3.063 | 2.280 | 1.322 | 2.732 | 1.322 | 2.053 | 2.715 | 1.914 | 75- 80 | 1.284 |
| 85.0 | 2.889 | 2.106 | 1.218 | 2.297 | 1.322 | 1.984 | 2.575 | 1.879 | 80- 85 | 1.147 |
| 90.0 | 2.715 | 2.018 | 1.183 | 2.140 | 1.357 | 1.931 | 2.471 | 1.844 | 85- 90 | 1.097 |
| 95.0 | 2.575 | 1.949 | 1.183 | 2.036 | 1.392 | 1.879 | 2.401 | 1.827 | 90- 95 | 1.062 |
| 100.0 | 2.471 | 1.897 | 1.218 | 1.966 | 1.427 | 1.862 | 2.332 | 1.844 | 95-100 | 1.031 |
| 105.0 | 2.401 | 1.862 | 1.253 | 1.914 | 1.496 | 1.844 | 2.297 | 1.897 | 100-105 | 1.004 |
| 110.0 | 2.332 | 1.827 | 1.287 | 1.862 | 1.531 | 1.879 | 2.332 | 2.018 | 105-110 | 0.981 |
| 115.0 | 2.297 | 1.827 | 1.322 | 1.827 | 1.636 | 1.949 | 2.401 | 2.262 | 110-115 | 0.969 |
| 120.0 | 2.332 | 1.879 | 1.357 | 1.827 | 1.810 | 2.123 | 2.645 | 2.662 | 115-120 | 0.979 |
| 125.0 | 2.506 | 2.001 | 1.496 | 1.844 | 2.053 | 2.436 | 3.063 | 3.254 | 120-125 | 1.021 |
| 130.0 | 2.819 | 2.262 | 1.670 | 1.931 | 2.471 | 2.906 | 3.655 | 3.985 | 125-130 | 1.099 |
| 135.0 | 3.306 | 2.662 | 1.984 | 2.106 | 3.063 | 3.550 | 4.386 | 4.803 | 130-135 | 1.204 |
| 140.0 | 3.968 | 3.272 | 2.471 | 2.454 | 3.829 | 4.316 | 5.151 | 5.587 | 135-140 | 1.318 |
| 145.0 | 4.734 | 3.985 | 3.132 | 2.993 | 4.664 | 5.117 | 5.917 | 6.318 | 140-145 | 1.415 |
| 150.0 | 5.569 | 4.786 | 3.898 | 3.689 | 5.499 | 5.848 | 6.579 | 6.874 | 145-150 | 1.460 |
| 155.0 | 6.300 | 5.552 | 4.734 | 4.455 | 6.265 | 6.422 | 7.066 | 7.223 | 150-155 | 1.428 |
| 160.0 | 6.927 | 6.213 | 5.534 | 5.273 | 6.857 | 6.857 | 7.344 | 7.379 | 155-160 | 1.309 |
| 165.0 | 7.344 | 6.718 | 6.230 | 6.004 | 7.310 | 7.101 | 7.518 | 7.484 | 160-165 | 1.106 |
| 170.0 | 7.588 | 7.014 | 6.753 | 6.613 | 7.623 | 7.275 | 7.693 | 7.536 | 165-170 | 0.838 |
| 175.0 | 7.762 | 7.205 | 7.136 | 7.014 | 7.867 | 7.362 | 7.762 | 7.466 | 170-175 | 0.523 |
| 180.0 | 7.867 | 7.344 | 7.414 | 7.310 | 7.971 | 7.310 | 7.553 | 7.275 | 175-180 | 0.177 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm |

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

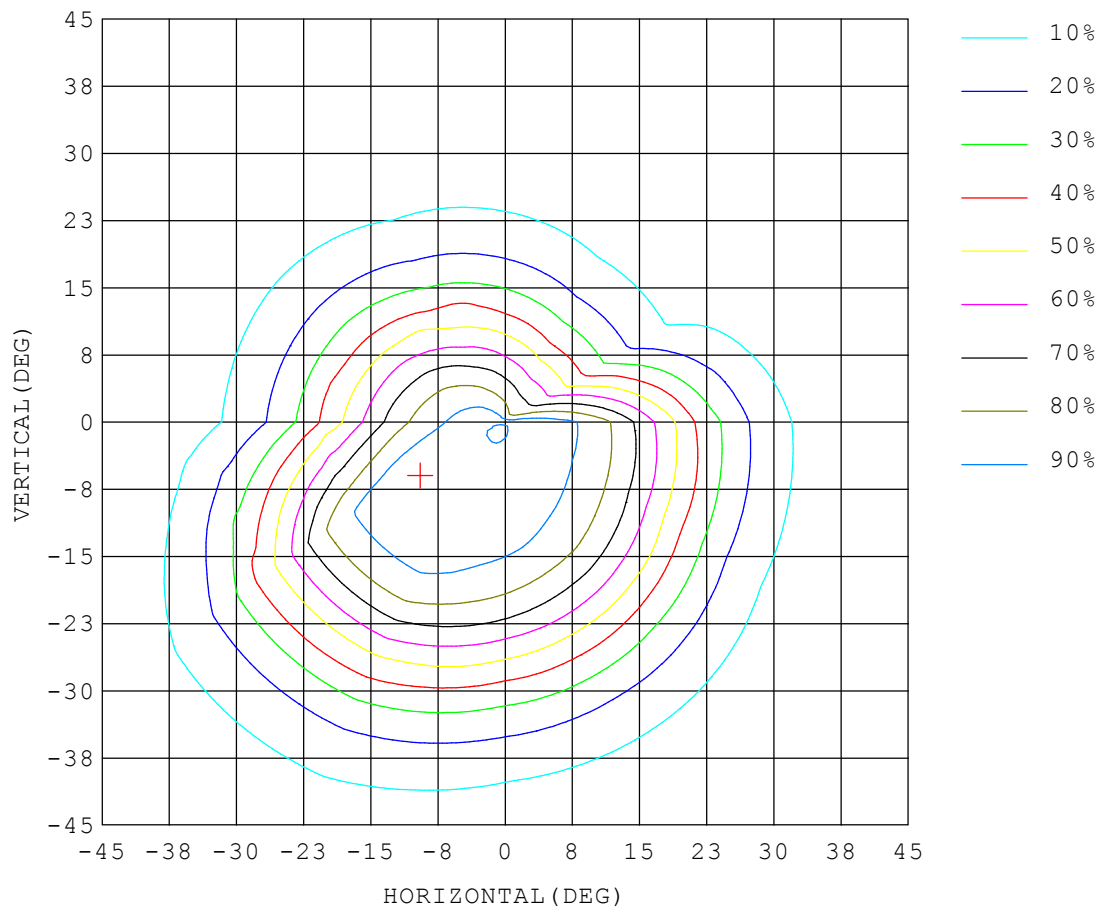
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

| | | |
|---------------------------------------|------------|-------------|
| MANUFACTURER: | Address: | |
| NAME: | TYPE: | WEIGHT: |
| SPECIFICATION: JXL-MZ05-T12W-5CCT-40K | DIMENSION: | SERIAL No.: |

UNIT: cd



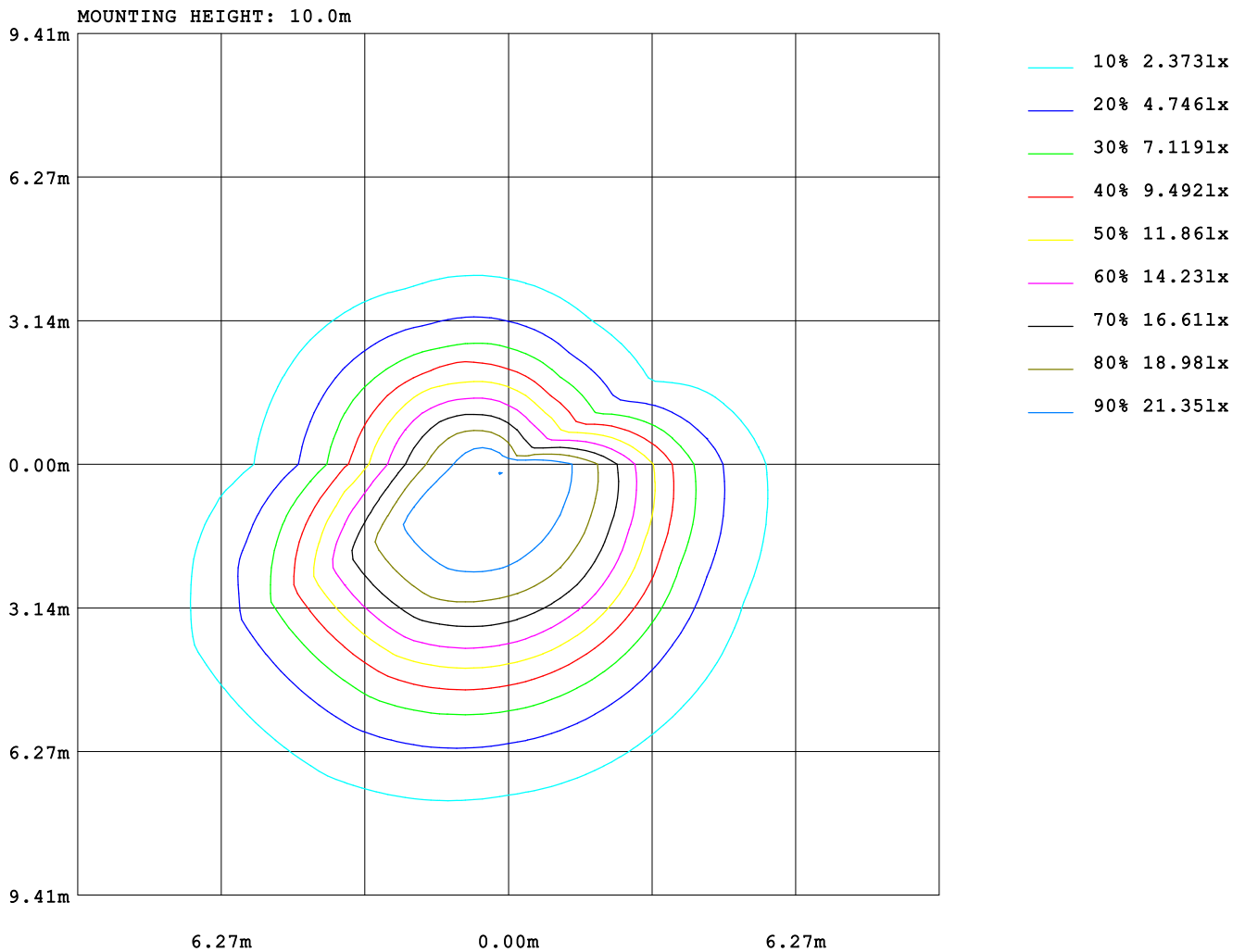
Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2021年10月18日

Test Set: 5.0 deg/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-40K | 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-40K | DIMENSION : | SERIAL No. : |

| 45 | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | | | UNIT:lm | | □ t | □ a |
|--|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|-----|-----|
| | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.08 | 0.10 | 0.12 | 0.13 | 0.12 | 0.10 | 0.08 | 0.06 | 0.04 | 0.04 | 0.03 | 0.02 | 0.02 | 1.23 | 1.23 | | |
| 40 | 0.06 | 0.07 | 0.09 | 0.10 | 0.11 | 0.13 | 0.16 | 0.18 | 0.20 | 0.19 | 0.15 | 0.12 | 0.08 | 0.06 | 0.05 | 0.05 | 0.04 | 0.03 | 1.86 | 1.86 | | |
| 35 | 0.07 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.27 | 0.34 | 0.36 | 0.32 | 0.25 | 0.18 | 0.12 | 0.10 | 0.08 | 0.06 | 0.05 | 0.04 | 3.02 | 3.02 | | |
| 30 | 0.09 | 0.13 | 0.17 | 0.25 | 0.40 | 0.59 | 0.84 | 1.02 | 1.05 | 0.90 | 0.60 | 0.32 | 0.20 | 0.16 | 0.11 | 0.08 | 0.06 | 0.05 | 7.03 | 7.03 | | |
| 25 | 0.11 | 0.16 | 0.25 | 0.54 | 1.01 | 1.50 | 1.87 | 2.21 | 2.26 | 1.96 | 1.45 | 0.86 | 0.43 | 0.24 | 0.17 | 0.12 | 0.09 | 0.07 | 15.3 | 15.3 | | |
| 20 | 0.12 | 0.20 | 0.45 | 1.10 | 1.90 | 2.84 | 3.67 | 4.24 | 4.33 | 3.70 | 2.65 | 1.72 | 1.02 | 0.45 | 0.28 | 0.24 | 0.15 | 0.10 | 29.2 | 29.2 | | |
| 15 | 0.13 | 0.26 | 0.79 | 1.70 | 3.04 | 4.76 | 6.41 | 7.54 | 7.63 | 6.43 | 4.55 | 2.92 | 1.69 | 1.14 | 0.79 | 0.51 | 0.25 | 0.13 | 50.7 | 50.7 | | |
| VERTICAL (DEG) | 0.14 | 0.37 | 1.10 | 2.32 | 4.28 | 6.92 | 9.68 | 11.5 | 11.6 | 9.74 | 6.99 | 4.93 | 3.94 | 2.89 | 1.68 | 0.88 | 0.39 | 0.16 | 79.5 | 79.5 | | |
| | 0.15 | 0.47 | 1.33 | 2.83 | 5.35 | 8.76 | 12.3 | 15.0 | 15.6 | 13.3 | 12.0 | 10.6 | 7.95 | 5.02 | 2.72 | 1.29 | 0.53 | 0.20 | 116 | 116 | | |
| | 0.28 | 0.80 | 2.02 | 4.08 | 7.30 | 11.1 | 14.9 | 17.2 | 17.1 | 17.3 | 16.5 | 14.0 | 10.1 | 6.18 | 3.26 | 1.50 | 0.60 | 0.21 | 145 | 145 | | |
| | 0.52 | 1.28 | 3.04 | 5.82 | 9.86 | 14.1 | 17.2 | 18.3 | 17.9 | 17.4 | 16.1 | 13.5 | 9.71 | 5.95 | 3.13 | 1.44 | 0.57 | 0.19 | 156 | 156 | | |
| -15 | 0.67 | 1.56 | 3.54 | 6.78 | 11.2 | 15.0 | 16.8 | 17.7 | 17.6 | 16.8 | 15.2 | 12.3 | 8.58 | 5.11 | 2.67 | 1.24 | 0.47 | 0.17 | 154 | 154 | | |
| -20 | 0.72 | 1.62 | 3.51 | 6.65 | 9.87 | 12.9 | 15.2 | 16.1 | 15.9 | 15.0 | 13.1 | 10.2 | 6.99 | 4.09 | 2.07 | 0.96 | 0.32 | 0.14 | 136 | 136 | | |
| -25 | 0.66 | 1.50 | 2.97 | 5.02 | 7.52 | 10.0 | 12.1 | 13.0 | 12.9 | 11.8 | 10.0 | 7.63 | 5.13 | 3.02 | 1.54 | 0.64 | 0.20 | 0.12 | 106 | 106 | | |
| -30 | 0.47 | 1.19 | 2.10 | 3.42 | 5.15 | 7.01 | 8.40 | 9.00 | 8.87 | 8.06 | 6.74 | 5.07 | 3.39 | 2.01 | 1.04 | 0.38 | 0.15 | 0.09 | 72.6 | 72.6 | | |
| -35 | 0.24 | 0.74 | 1.39 | 2.20 | 3.24 | 4.39 | 5.17 | 5.51 | 5.38 | 4.85 | 4.02 | 3.01 | 2.03 | 1.21 | 0.58 | 0.24 | 0.13 | 0.08 | 44.4 | 44.4 | | |
| -40 | 0.16 | 0.31 | 0.78 | 1.33 | 1.92 | 2.49 | 2.85 | 3.01 | 2.90 | 2.59 | 2.15 | 1.62 | 1.09 | 0.59 | 0.29 | 0.17 | 0.11 | 0.07 | 24.4 | 24.4 | | |
| -45 | 0.12 | 0.19 | 0.31 | 0.60 | 1.01 | 1.31 | 1.48 | 1.55 | 1.47 | 1.29 | 1.05 | 0.75 | 0.45 | 0.27 | 0.18 | 0.13 | 0.09 | 0.06 | 12.3 | 12.3 | | |
| -45 -40 -35 -30 -25 -20 -15 -10 HORIZONTAL (DEG) 10 15 20 25 30 35 40 45 | | | | | | | | | | | | | | | | | | | | | | |
| □ t | 4.79 | 11.0 | 24.0 | 44.9 | 73.5 | 104 | 130 | 144 | 144 | 132 | 114 | 90.1 | 63.0 | 38.5 | 20.7 | 9.99 | 4.20 | 1.92 | 1199 | | | |
| □ a | 4.79 | 11.0 | 24.0 | 44.9 | 73.5 | 104 | 130 | 144 | 144 | 132 | 114 | 90.1 | 63.0 | 38.5 | 20.7 | 9.99 | 4.20 | 1.92 | | 1199 | | |

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

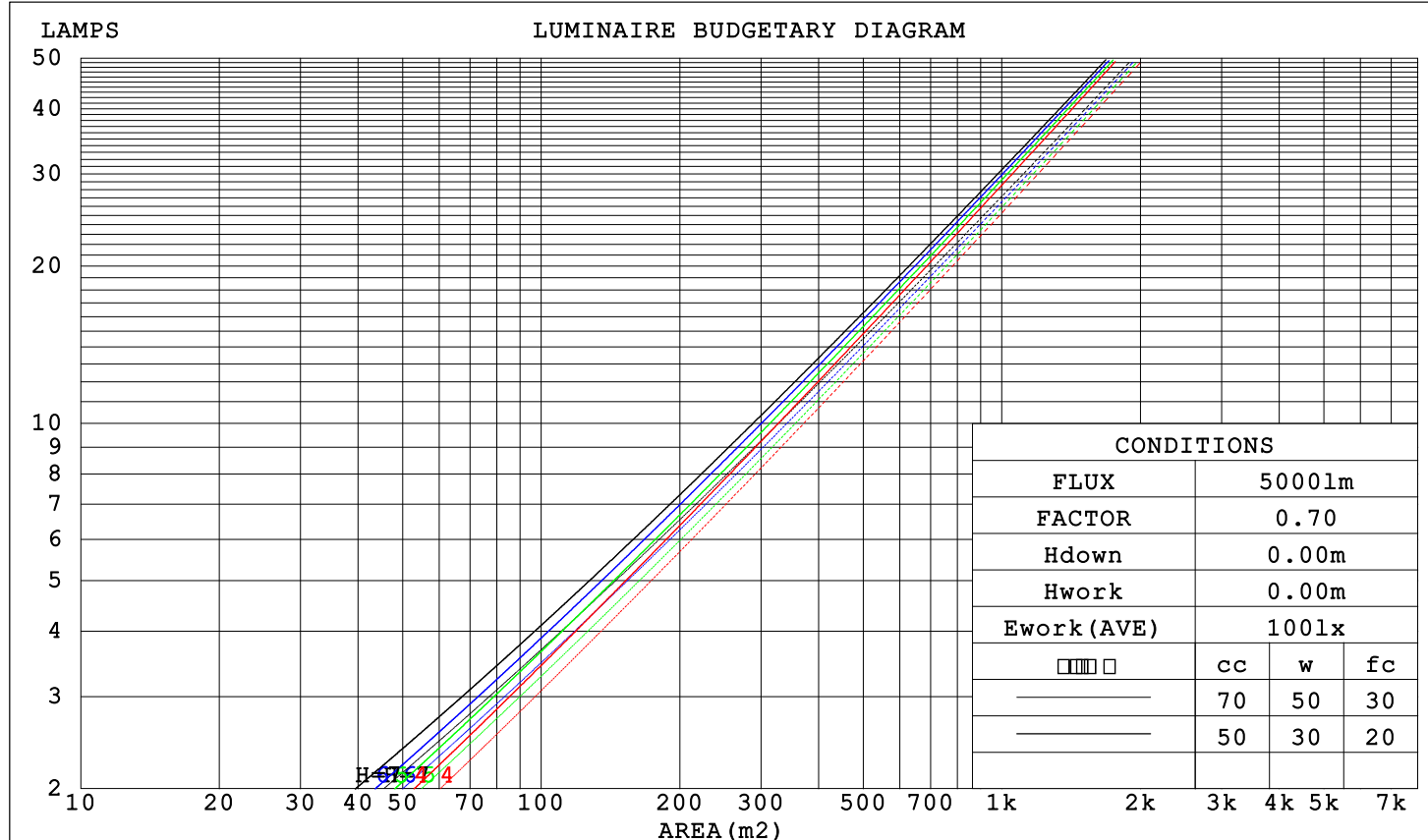
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

| | | | | | |
|--|-------------------|--|--|--------------------|--|
| MANUFACTURER: | Address: | | | | |
| NAME: | TYPE: | | | WEIGHT: | |
| SPECIFICATION: JXL-MZ05-T12W-5CCT-40K | DIMENSION: | | | SERIAL No.: | |

| | | | | | | | | | | | | | | | | |
|-----------------------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| <input type="checkbox"/> cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| <input type="checkbox"/> w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| <input type="checkbox"/> 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 | 1.08 | 1.06 | 1.08 | 1.06 | 1.04 | 1.04 | 1.02 | 1.01 | 1.00 | .99 | .98 | .97 | .96 | .95 | .93 |
| 2.0 | 1.04 | .90 | .97 | 1.02 | .98 | .96 | .98 | .96 | .93 | .95 | .93 | .91 | .92 | .90 | .89 | .87 |
| 3.0 | .97 | .93 | .89 | .96 | .92 | .88 | .93 | .90 | .87 | .91 | .88 | .85 | .88 | .86 | .84 | .82 |
| 4.0 | .92 | .87 | .83 | .91 | .86 | .82 | .88 | .84 | .81 | .86 | .83 | .80 | .84 | .81 | .79 | .77 |
| 5.0 | .87 | .81 | .77 | .86 | .81 | .77 | .84 | .79 | .76 | .82 | .78 | .75 | .80 | .77 | .74 | .73 |
| 6.0 | .82 | .77 | .73 | .81 | .76 | .72 | .80 | .75 | .72 | .78 | .74 | .71 | .77 | .73 | .70 | .69 |
| 7.0 | .78 | .72 | .68 | .77 | .72 | .68 | .76 | .71 | .68 | .74 | .70 | .67 | .73 | .70 | .67 | .66 |
| 8.0 | .74 | .68 | .65 | .73 | .68 | .65 | .72 | .68 | .64 | .71 | .67 | .64 | .70 | .66 | .64 | .62 |
| 9.0 | .70 | .65 | .61 | .70 | .65 | .61 | .69 | .64 | .61 | .68 | .64 | .61 | .67 | .63 | .60 | .59 |
| 10.0 | .67 | .62 | .58 | .67 | .62 | .58 | .66 | .61 | .58 | .65 | .61 | .58 | .64 | .60 | .58 | .56 |



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-40K | 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 | .170 | .097 | .031 | .163 | .093 | .030 | .149 | .086 | .027 | .137 | .079 | .025 | .126 | .073 | .023 | |
| 2.0 | .161 | .088 | .027 | .155 | .085 | .026 | .143 | .080 | .025 | .133 | .075 | .023 | .123 | .070 | .022 | |
| 3.0 | .152 | .081 | .024 | .147 | .079 | .024 | .137 | .074 | .023 | .128 | .070 | .022 | .120 | .066 | .021 | |
| 4.0 | .144 | .075 | .022 | .140 | .073 | .022 | .131 | .070 | .021 | .123 | .066 | .020 | .116 | .063 | .019 | |
| 5.0 | .137 | .070 | .020 | .133 | .068 | .020 | .126 | .065 | .019 | .119 | .063 | .019 | .112 | .060 | .018 | |
| 6.0 | .130 | .065 | .019 | .127 | .064 | .018 | .120 | .062 | .018 | .114 | .059 | .017 | .109 | .057 | .017 | |
| 7.0 | .124 | .061 | .017 | .121 | .060 | .017 | .115 | .058 | .017 | .110 | .056 | .016 | .105 | .055 | .016 | |
| 8.0 | .119 | .058 | .016 | .116 | .057 | .016 | .111 | .055 | .016 | .106 | .054 | .016 | .102 | .052 | .015 | |
| 9.0 | .114 | .055 | .015 | .111 | .054 | .015 | .107 | .053 | .015 | .102 | .051 | .015 | .098 | .050 | .014 | |
| 10.0 | .109 | .052 | .015 | .107 | .052 | .014 | .103 | .050 | .014 | .099 | .049 | .014 | .095 | .048 | .014 | |

| □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 | .202 | .202 | .202 | .173 | .173 | .173 | .118 | .118 | .118 | .068 | .068 | .068 | .022 | .022 | .022 | |
| 1.0 | .183 | .169 | .158 | .156 | .145 | .136 | .107 | .100 | .094 | .062 | .058 | .055 | .020 | .019 | .018 | |
| 2.0 | .167 | .145 | .126 | .143 | .125 | .109 | .098 | .086 | .076 | .057 | .050 | .045 | .018 | .016 | .015 | |
| 3.0 | .154 | .126 | .103 | .132 | .108 | .090 | .091 | .075 | .063 | .052 | .044 | .037 | .017 | .014 | .012 | |
| 4.0 | .143 | .111 | .086 | .123 | .096 | .075 | .085 | .067 | .053 | .049 | .039 | .031 | .016 | .013 | .010 | |
| 5.0 | .134 | .099 | .073 | .115 | .086 | .064 | .079 | .060 | .045 | .046 | .035 | .027 | .015 | .011 | .009 | |
| 6.0 | .126 | .090 | .064 | .109 | .078 | .055 | .075 | .054 | .039 | .043 | .032 | .023 | .014 | .010 | .008 | |
| 7.0 | .120 | .082 | .056 | .103 | .071 | .049 | .071 | .050 | .034 | .041 | .029 | .021 | .013 | .010 | .007 | |
| 8.0 | .114 | .076 | .050 | .098 | .066 | .043 | .068 | .046 | .031 | .039 | .027 | .018 | .013 | .009 | .006 | |
| 9.0 | .109 | .071 | .045 | .094 | .061 | .039 | .065 | .043 | .028 | .038 | .025 | .017 | .012 | .008 | .005 | |
| 10.0 | .104 | .066 | .041 | .090 | .057 | .036 | .062 | .040 | .025 | .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-40K | | | | | | 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 | 17.0 | 17.9 | 17.3 | 18.1 | 18.3 | 22.7 | 23.6 | 23.0 | 23.8 | 24.0 |
| 3H | 17.0 | 17.8 | 17.3 | 18.0 | 18.2 | 22.6 | 23.4 | 22.9 | 23.6 | 23.8 |
| 4H | 17.0 | 17.7 | 17.3 | 18.0 | 18.2 | 22.5 | 23.3 | 22.8 | 23.5 | 23.8 |
| 6H | 17.0 | 17.7 | 17.3 | 18.0 | 18.3 | 22.4 | 23.1 | 22.8 | 23.4 | 23.7 |
| 8H | 17.1 | 17.8 | 17.4 | 18.0 | 18.3 | 22.4 | 23.1 | 22.7 | 23.4 | 23.7 |
| 12H | 17.2 | 17.9 | 17.6 | 18.2 | 18.5 | 22.4 | 23.0 | 22.7 | 23.3 | 23.6 |
| 4H 2H | 16.9 | 17.7 | 17.2 | 17.9 | 18.2 | 22.5 | 23.2 | 22.8 | 23.5 | 23.7 |
| 3H | 16.9 | 17.5 | 17.2 | 17.8 | 18.1 | 22.4 | 23.0 | 22.7 | 23.3 | 23.6 |
| 4H | 16.9 | 17.5 | 17.2 | 17.8 | 18.1 | 22.3 | 22.9 | 22.7 | 23.2 | 23.6 |
| 6H | 17.0 | 17.5 | 17.4 | 17.8 | 18.2 | 22.2 | 22.8 | 22.6 | 23.1 | 23.5 |
| 8H | 17.1 | 17.6 | 17.5 | 17.9 | 18.3 | 22.2 | 22.7 | 22.6 | 23.1 | 23.5 |
| 12H | 17.3 | 17.8 | 17.8 | 18.2 | 18.6 | 22.2 | 22.6 | 22.6 | 23.0 | 23.4 |
| 8H 4H | 16.8 | 17.3 | 17.2 | 17.7 | 18.1 | 22.2 | 22.7 | 22.6 | 23.0 | 23.4 |
| 6H | 16.9 | 17.3 | 17.4 | 17.7 | 18.2 | 22.1 | 22.5 | 22.6 | 22.9 | 23.4 |
| 8H | 17.1 | 17.4 | 17.5 | 17.9 | 18.3 | 22.1 | 22.5 | 22.6 | 22.9 | 23.4 |
| 12H | 17.4 | 17.7 | 17.9 | 18.2 | 18.7 | 22.1 | 22.4 | 22.6 | 22.9 | 23.4 |
| 12H 4H | 16.8 | 17.2 | 17.2 | 17.6 | 18.0 | 22.1 | 22.6 | 22.6 | 23.0 | 23.4 |
| 6H | 16.9 | 17.3 | 17.4 | 17.7 | 18.2 | 22.1 | 22.4 | 22.6 | 22.9 | 23.4 |
| 8H | 17.1 | 17.4 | 17.6 | 17.9 | 18.4 | 22.1 | 22.4 | 22.6 | 22.9 | 23.4 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 2.6 / - 2.9 | | | | | + 4.2 / - 7.1 | | | | |
| 1.5H | + 4.4 / - 2.8 | | | | | + 6.4 / - 6.4 | | | | |
| 2.0H | + 2.2 / - 1.2 | | | | | + 8.0 / - 3.4 | | | | |

CIE Pub.117 Corrected 1199 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.6)

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:

UTILIZATION FACTORS TABLE

Report number:

| | | | |
|--|-------------------|--------------------|--|
| MANUFACTURER: | Address: | | |
| NAME: | TYPE: | WEIGHT: | |
| SPECIFICATION: JXL-MZ05-T12W-5CCT-40K | 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 | 86 | 80 | 77 | 85 | 80 | 76 | 73 |
| 0.80 | 94 | 88 | 85 | 94 | 88 | 85 | 92 | 87 | 84 | 80 |
| 1.00 | 99 | 93 | 89 | 98 | 93 | 89 | 96 | 92 | 89 | 84 |
| 1.25 | 103 | 97 | 94 | 102 | 97 | 94 | 99 | 95 | 93 | 88 |
| 1.50 | 105 | 101 | 97 | 104 | 100 | 97 | 102 | 98 | 95 | 91 |
| 2.00 | 108 | 104 | 101 | 106 | 103 | 100 | 104 | 101 | 98 | 93 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 93 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 106 | 103 | 101 | 95 |
| 4.00 | 113 | 110 | 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 | | |

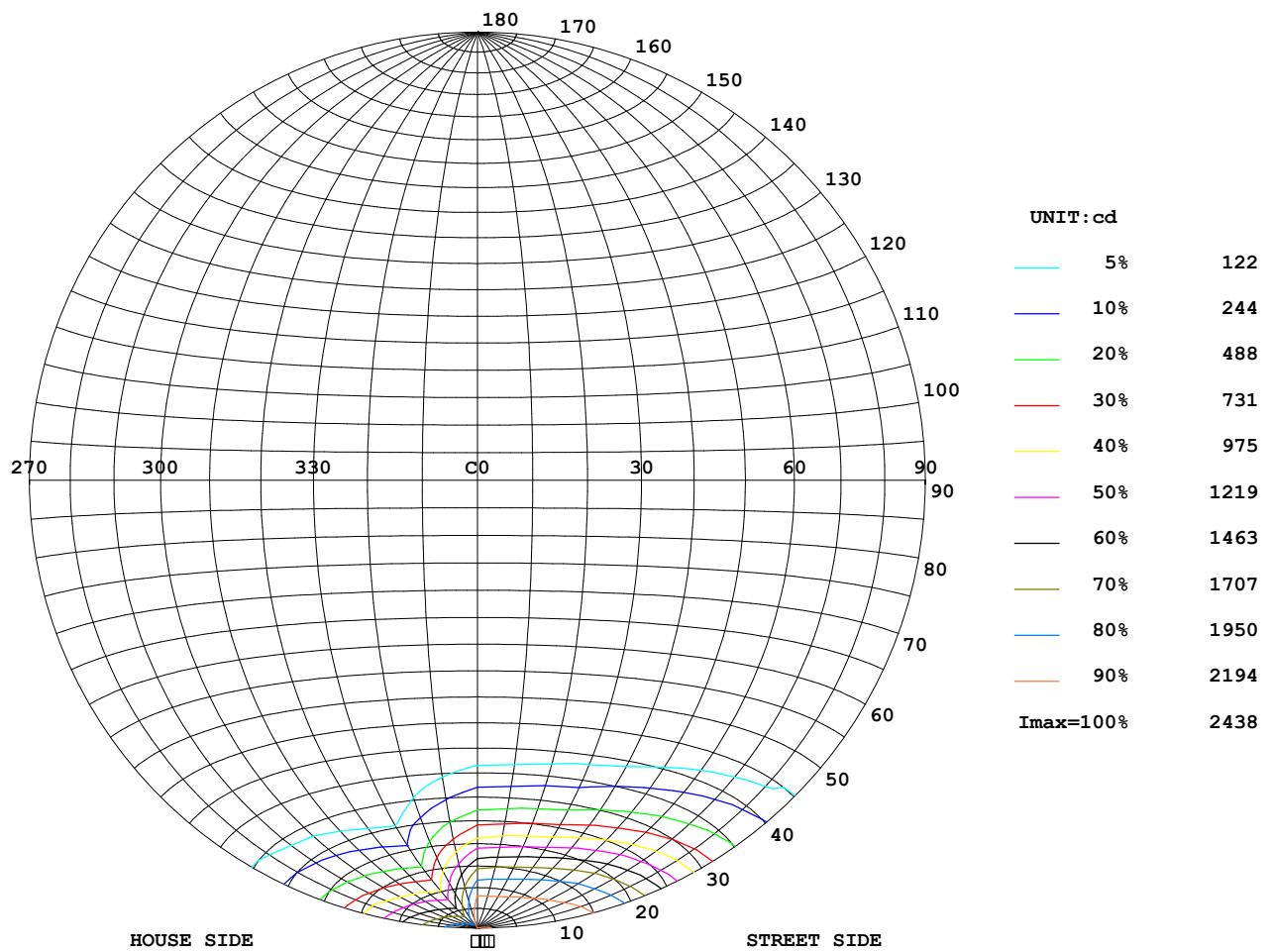
Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2021年10月18日

Test Set: 5.0deg/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-40K | DIMENSION: | SERIAL No.: |



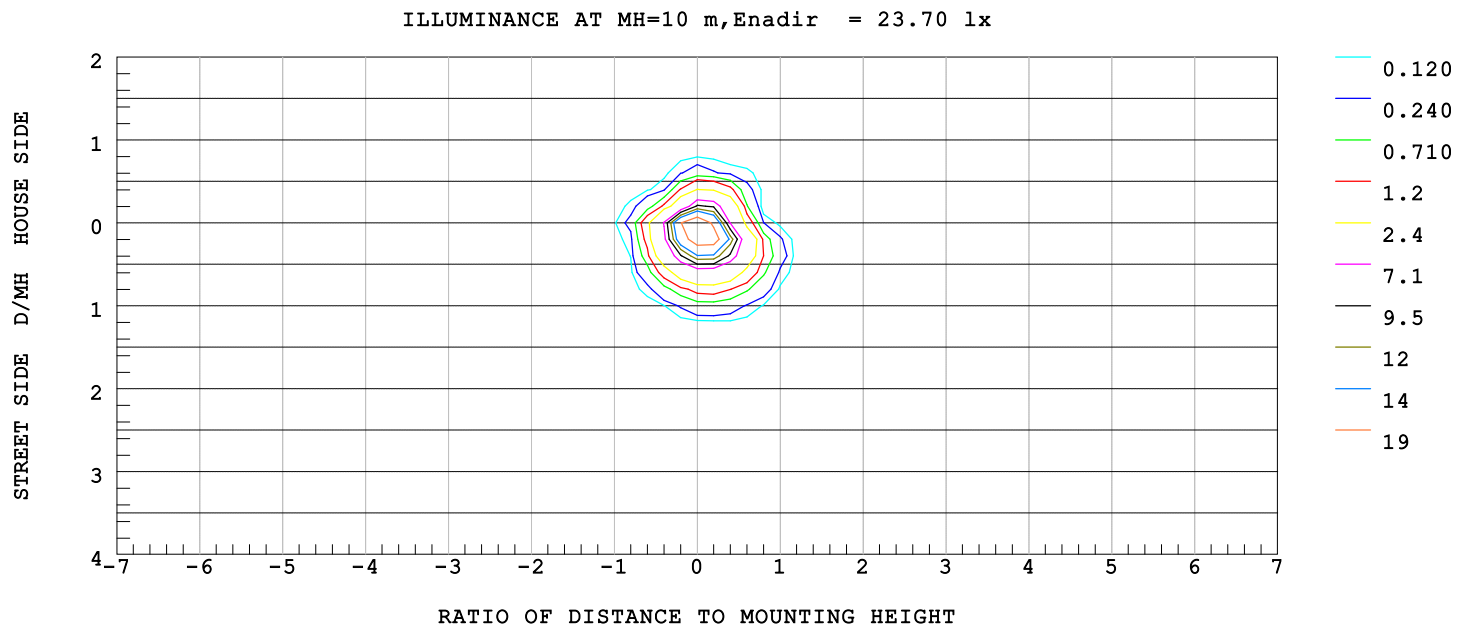
Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2021年10月18日

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-40K | DIMENSION: | SERIAL No.: |



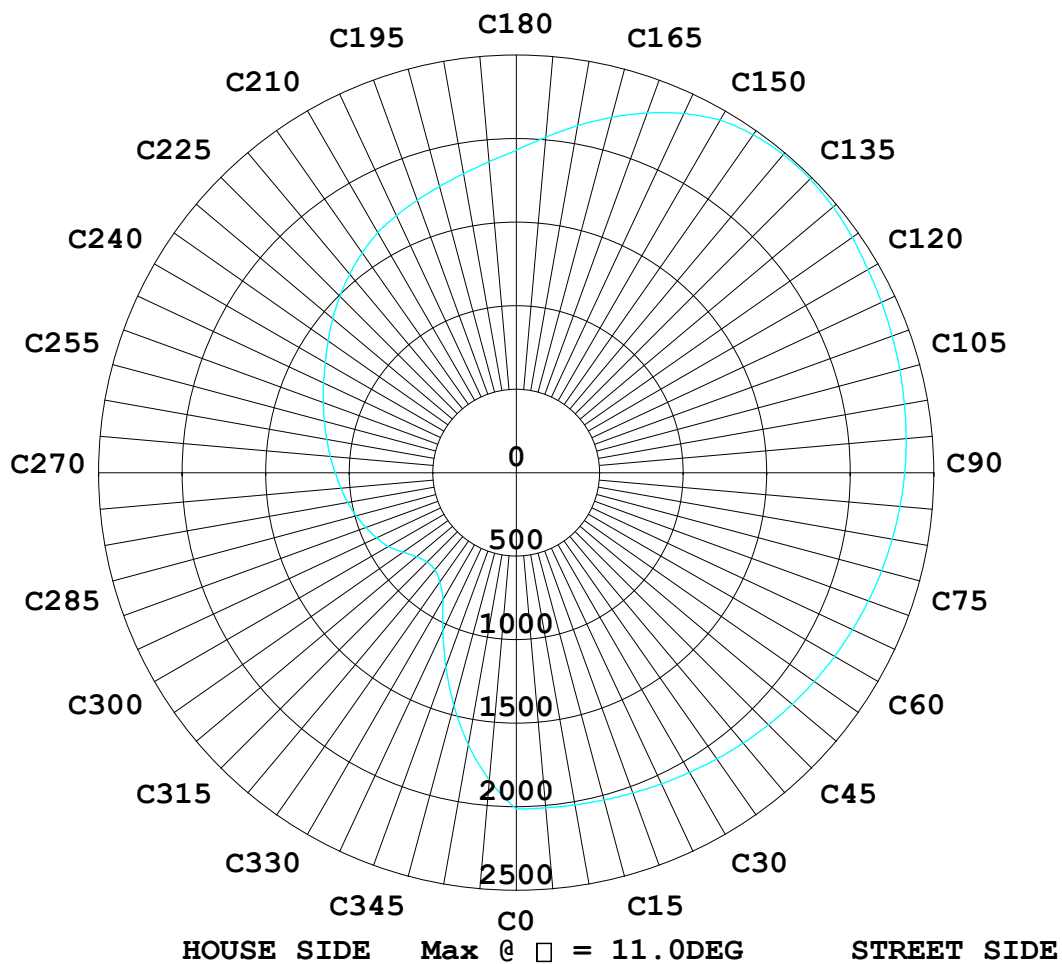
Test System: HOPOO HPG1800
Temperature: 25.3 DEG
Operators:
Test Date: 2021年10月18日

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-40K | 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-40K | DIMENSION: | SERIAL No.: |

UNIT: cd

| C (DEG) □ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.0 | 2370 | 2284 | 2187 | 2101 | 2023 | 2028 | 2370 | 2284 | 2187 | 2101 | 2023 | 2028 |
| 5.0 | 2299 | 2288 | 2285 | 2287 | 2281 | 2294 | 2274 | 2114 | 1892 | 1694 | 1533 | 1524 |
| 10.0 | 2080 | 2127 | 2233 | 2339 | 2425 | 2432 | 2005 | 1761 | 1419 | 1197 | 985 | 983 |
| 15.0 | 1642 | 1787 | 2022 | 2195 | 2354 | 2369 | 1554 | 1269 | 916 | 720 | 554 | 546 |
| 20.0 | 1097 | 1277 | 1599 | 1889 | 2145 | 2177 | 1085 | 805 | 523 | 384 | 281 | 273 |
| 25.0 | 647 | 785 | 1077 | 1380 | 1718 | 1772 | 603 | 450 | 266 | 198 | 134 | 133 |
| 30.0 | 326 | 412 | 645 | 881 | 1169 | 1218 | 312 | 230 | 134 | 57.1 | 34.1 | 43.9 |
| 35.0 | 154 | 192 | 341 | 498 | 713 | 743 | 144 | 89.5 | 31.2 | 33.7 | 19.1 | 26.0 |
| 40.0 | 54.6 | 61.2 | 164 | 250 | 391 | 396 | 36.1 | 33.3 | 19.0 | 20.7 | 11.1 | 15.9 |
| 45.0 | 29.2 | 23.2 | 55.5 | 136 | 205 | 203 | 21.1 | 22.3 | 11.2 | 13.0 | 6.64 | 10.1 |
| 50.0 | 18.1 | 15.2 | 27.9 | 30.1 | 56.9 | 59.6 | 12.7 | 15.3 | 6.96 | 9.67 | 4.80 | 7.79 |
| 55.0 | 11.4 | 9.99 | 18.8 | 17.7 | 32.3 | 25.8 | 7.27 | 11.2 | 5.04 | 6.78 | 1.77 | 4.62 |
| 60.0 | 8.73 | 7.13 | 12.4 | 10.5 | 20.0 | 14.4 | 5.43 | 8.31 | 1.87 | 4.00 | 1.25 | 3.62 |
| 65.0 | 5.63 | 4.76 | 9.53 | 6.43 | 12.1 | 7.51 | 2.22 | 4.28 | 1.28 | 3.41 | 1.14 | 3.23 |
| 70.0 | 3.86 | 1.63 | 6.50 | 4.66 | 8.84 | 5.32 | 1.42 | 3.48 | 1.18 | 3.09 | 1.14 | 2.99 |
| 75.0 | 3.34 | 1.25 | 3.96 | 1.98 | 6.26 | 3.06 | 1.32 | 3.13 | 1.18 | 2.88 | 1.18 | 2.81 |
| 80.0 | 3.06 | 1.21 | 3.34 | 1.32 | 4.00 | 1.46 | 1.32 | 2.92 | 1.18 | 2.71 | 1.18 | 2.64 |
| 85.0 | 2.88 | 1.18 | 3.02 | 1.21 | 3.37 | 1.21 | 1.32 | 2.74 | 1.21 | 2.57 | 1.21 | 2.54 |
| 90.0 | 2.71 | 1.21 | 2.81 | 1.18 | 3.06 | 1.21 | 1.35 | 2.61 | 1.25 | 2.47 | 1.25 | 2.43 |
| 95.0 | 2.57 | 1.21 | 2.68 | 1.18 | 2.85 | 1.21 | 1.39 | 2.50 | 1.25 | 2.40 | 1.28 | 2.36 |
| 100.0 | 2.47 | 1.25 | 2.54 | 1.21 | 2.71 | 1.21 | 1.42 | 2.40 | 1.32 | 2.33 | 1.35 | 2.33 |
| 105.0 | 2.40 | 1.28 | 2.43 | 1.25 | 2.57 | 1.25 | 1.49 | 2.33 | 1.35 | 2.29 | 1.46 | 2.33 |
| 110.0 | 2.33 | 1.32 | 2.33 | 1.28 | 2.47 | 1.25 | 1.53 | 2.29 | 1.46 | 2.33 | 1.63 | 2.40 |
| 115.0 | 2.29 | 1.39 | 2.26 | 1.32 | 2.36 | 1.28 | 1.63 | 2.29 | 1.60 | 2.40 | 1.91 | 2.61 |
| 120.0 | 2.33 | 1.53 | 2.22 | 1.35 | 2.29 | 1.35 | 1.81 | 2.36 | 1.87 | 2.64 | 2.36 | 2.95 |
| 125.0 | 2.50 | 1.74 | 2.26 | 1.49 | 2.26 | 1.42 | 2.05 | 2.57 | 2.29 | 3.06 | 2.99 | 3.51 |
| 130.0 | 2.81 | 2.08 | 2.43 | 1.67 | 2.29 | 1.56 | 2.47 | 2.92 | 2.88 | 3.65 | 3.75 | 4.21 |
| 135.0 | 3.30 | 2.61 | 2.71 | 1.98 | 2.43 | 1.77 | 3.06 | 3.48 | 3.62 | 4.38 | 4.59 | 5.01 |
| 140.0 | 3.96 | 3.34 | 3.20 | 2.47 | 2.71 | 2.19 | 3.82 | 4.17 | 4.45 | 5.15 | 5.39 | 5.77 |
| 145.0 | 4.73 | 4.14 | 3.82 | 3.13 | 3.20 | 2.78 | 4.66 | 4.97 | 5.25 | 5.91 | 6.12 | 6.50 |
| 150.0 | 5.56 | 4.97 | 4.59 | 3.89 | 3.86 | 3.51 | 5.49 | 5.70 | 5.98 | 6.57 | 6.71 | 7.03 |
| 155.0 | 6.30 | 5.74 | 5.36 | 4.73 | 4.59 | 4.31 | 6.26 | 6.37 | 6.47 | 7.06 | 7.06 | 7.37 |
| 160.0 | 6.92 | 6.37 | 6.05 | 5.53 | 5.39 | 5.15 | 6.85 | 6.89 | 6.82 | 7.34 | 7.24 | 7.51 |
| 165.0 | 7.34 | 6.78 | 6.64 | 6.23 | 6.09 | 5.91 | 7.31 | 7.20 | 6.99 | 7.51 | 7.34 | 7.62 |
| 170.0 | 7.58 | 6.99 | 7.03 | 6.75 | 6.68 | 6.54 | 7.62 | 7.37 | 7.17 | 7.69 | 7.37 | 7.69 |
| 175.0 | 7.76 | 7.13 | 7.27 | 7.13 | 7.06 | 6.96 | 7.86 | 7.48 | 7.24 | 7.76 | 7.27 | 7.65 |
| 180.0 | 7.86 | 7.31 | 7.37 | 7.41 | 7.34 | 7.27 | 7.97 | 7.41 | 7.20 | 7.55 | 7.13 | 7.41 |

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: