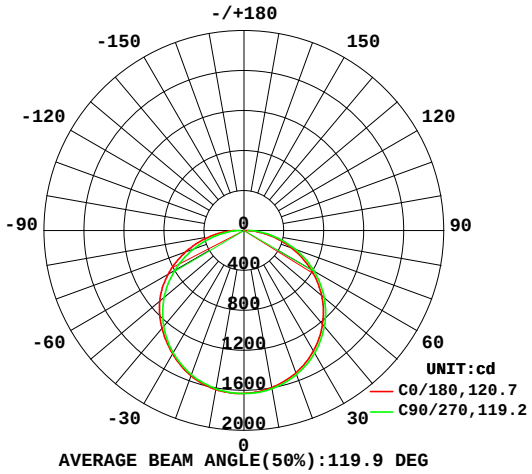
## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

# LUMINAIRE PHOTOMETRIC TEST REPORT

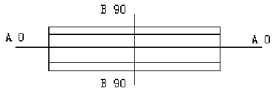
| Test:U:120.23V I:0.3111A P:37.125W PF:0.9925 Freq:59.98Hz  Lamp Flux:5128.85x1 lm | | |
|---|---|---|
| NAME: | TYPE: | WEIGHT: |
| SPEC.:40w 4000k | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA  Eff: 138.15 lm/W | | | |
|---|---|---|---|---|---|
| MODEL | | Imax(cd) | 1632 | S/MH(C0/180) | 1.30 |
| NOMINAL POWER(W) | 40w | LOR(%) | 100.0 | S/MH(C90/270) | 1.29 |
| RATED VOLTAGE(V) | 120-277v | TOTAL FLUX(lm) | 5128.8 | h UP,DN(C0-180) | 0.0,48.8 |
| NOMINAL FLUX(lm) | 5128.85 | CIE CLASS | DIRECT | h UP,DN(C180-360) | 0.0,51.2 |
| LAMPS INSIDE | 1 | h up(%) | 0.0 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE(V) | 120 | h down(%) | 100.0 | CIBSE SHR MAX | 1.50 |

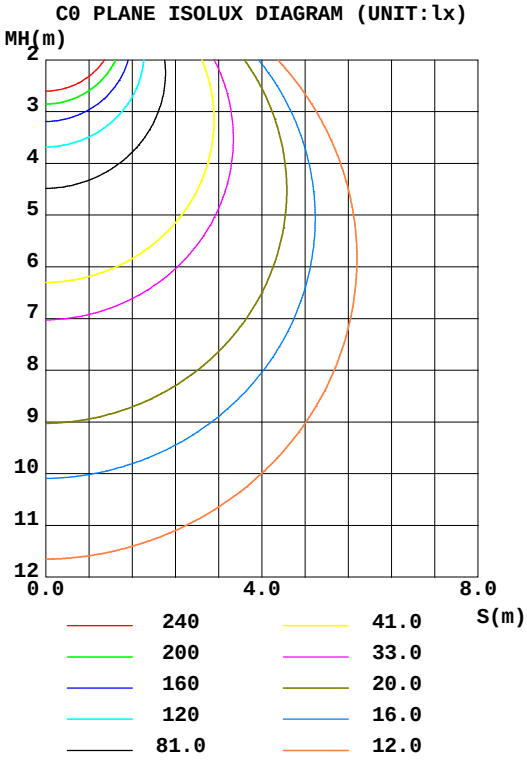
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM




AVERAGE BEAM ANGLE(50%):119.9 DEG




C0 PLANE ISOLUX DIAGRAM (UNIT:lx)




C Range:  0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

α Range:  0 -  90DEG
α Interval:  1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

# ZONAL FLUX DIAGRAM

**ZONAL FLUX DIAGRAM:**

| g | C0 | C90 | C180 | C270 | | | | | g | F zone | F total | %lum,lamp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 1597 | 1608 | 1618 | 1608 | | | | | 0- 10 | 154.6 | 154.6 | 3.01,3.01 |
| 20 | 1517 | 1534 | 1548 | 1536 | | | | | 10- 20 | 445.3 | 599.9 | 11.7,11.7 |
| 30 | 1391 | 1415 | 1427 | 1416 | | | | | 20- 30 | 681.7 | 1282 | 25,25 |
| 40 | 1224 | 1252 | 1278 | 1251 | | | | | 30- 40 | 836.4 | 2118 | 41.3,41.3 |
| 50 | 1016 | 1049 | 1102 | 1045 | | | | | 40- 50 | 892.4 | 3010 | 58.7,58.7 |
| 60 | 771.3 | 809.6 | 877.7 | 801.6 | | | | | 50- 60 | 838.4 | 3849 | 75,75 |
| 70 | 502.1 | 541.9 | 616.5 | 533.7 | | | | | 60- 70 | 676.5 | 4525 | 88.2,88.2 |
| 80 | 233.7 | 269.9 | 342.4 | 265.2 | | | | | 70- 80 | 435.4 | 4961 | 96.7,96.7 |
| 90 | 5.491 | 39.12 | 85.89 | 35.03 | | | | | 80- 90 | 168.1 | 5129 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range:  0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

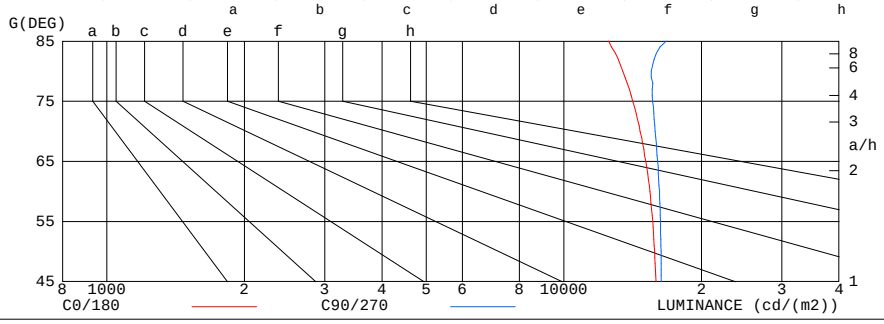
g Range:  0 -  90DEG
g Interval:  1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

# LUMINANCE LIMITATION CURVES

| Test:U:120.23V I:0.3111A P:37.125W PF:0.9925 Freq:59.98Hz  Lamp Flux:5128.85x1 lm | | |
|---|---|---|
| NAME: | TYPE: | WEIGHT: |
| SPEC.:40w 4000k | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

**LUMINANCE LIMITATION CURVES**

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 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 |
| | | a | b | c | d | e | f | g | h |




| LUMINANCE cd/(m2) | | |
|---|---|---|
| G(DEG) | C0/180 | C90/270 |
| 85 | 12544 | 16766 |
| 80 | 13458 | 15544 |
| 75 | 14144 | 15641 |
| 70 | 14680 | 15845 |
| 65 | 15126 | 16051 |
| 60 | 15426 | 16192 |
| 55 | 15651 | 16275 |
| 50 | 15808 | 16323 |
| 45 | 15912 | 16339 |

C Range:  0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

g Range:  0 -  90DEG
g Interval:  1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

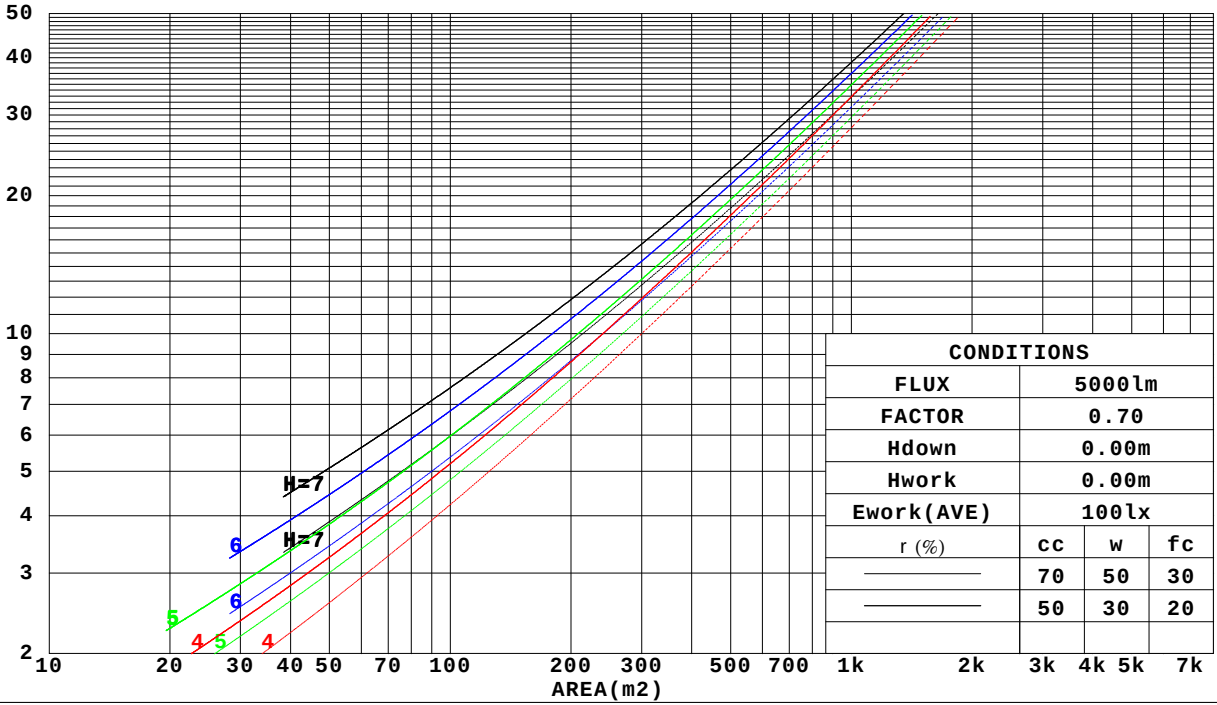
# CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---|---|
| Test:U:120.23V I:0.3111A P:37.125W PF:0.9925 Freq:59.98Hz Lamp Flux:5128.85x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.:40w 4000k | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 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 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.03 | .98 | .94 | 1.00 | .96 | .92 | .96 | .92 | .89 | .92 | .89 | .86 | .88 | .86 | .84 | .82 |
| 2.0 | .89 | .81 | .75 | .87 | .80 | .74 | .83 | .77 | .73 | .80 | .75 | .71 | .77 | .73 | .69 | .67 |
| 3.0 | .77 | .69 | .62 | .76 | .68 | .61 | .73 | .66 | .60 | .70 | .64 | .59 | .67 | .62 | .58 | .56 |
| 4.0 | .68 | .59 | .52 | .67 | .58 | .52 | .64 | .57 | .51 | .62 | .56 | .50 | .60 | .54 | .50 | .47 |
| 5.0 | .61 | .51 | .45 | .60 | .51 | .44 | .57 | .50 | .44 | .55 | .49 | .43 | .54 | .48 | .43 | .41 |
| 6.0 | .55 | .45 | .39 | .54 | .45 | .39 | .52 | .44 | .38 | .50 | .43 | .38 | .48 | .42 | .37 | .35 |
| 7.0 | .49 | .40 | .34 | .49 | .40 | .34 | .47 | .39 | .34 | .46 | .39 | .33 | .44 | .38 | .33 | .31 |
| 8.0 | .45 | .36 | .30 | .44 | .36 | .30 | .43 | .35 | .30 | .42 | .35 | .30 | .40 | .34 | .30 | .28 |
| 9.0 | .41 | .33 | .27 | .41 | .33 | .27 | .39 | .32 | .27 | .38 | .32 | .27 | .37 | .31 | .27 | .25 |
| 10.0 | .38 | .30 | .25 | .38 | .30 | .25 | .36 | .29 | .24 | .36 | .29 | .24 | .35 | .29 | .24 | .22 |

LAMPS

LUMINAIRE BUDGETARY DIAGRAM




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

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

# WEC AND CCEC

| Test:U:120.23V I:0.3111A P:37.125W PF:0.9925 Freq:59.98Hz Lamp Flux:5128.85x1 lm | | |
|---|---|---|
| NAME: | TYPE: | WEIGHT: |
| SPEC.:40w 4000k | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coeffcients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .335 | .191 | .060 | .328 | .187 | .059 | .315 | .180 | .058 | .302 | .174 | .056 | .291 | .169 | .054 | |
| 2.0 | .309 | .169 | .052 | .302 | .167 | .051 | .291 | .162 | .050 | .280 | .157 | .049 | .270 | .152 | .048 | |
| 3.0 | .282 | .150 | .045 | .277 | .148 | .045 | .266 | .144 | .044 | .257 | .141 | .043 | .248 | .137 | .042 | |
| 4.0 | .259 | .134 | .040 | .254 | .133 | .039 | .244 | .130 | .039 | .236 | .127 | .038 | .228 | .124 | .038 | |
| 5.0 | .238 | .121 | .035 | .233 | .120 | .035 | .225 | .117 | .035 | .217 | .115 | .034 | .210 | .112 | .034 | |
| 6.0 | .220 | .110 | .032 | .216 | .109 | .031 | .208 | .107 | .031 | .201 | .105 | .031 | .195 | .103 | .030 | |
| 7.0 | .204 | .101 | .029 | .200 | .100 | .028 | .194 | .098 | .028 | .188 | .096 | .028 | .182 | .094 | .028 | |
| 8.0 | .190 | .093 | .026 | .187 | .092 | .026 | .181 | .090 | .026 | .175 | .089 | .026 | .170 | .087 | .025 | |
| 9.0 | .177 | .086 | .024 | .175 | .085 | .024 | .169 | .084 | .024 | .164 | .082 | .024 | .160 | .081 | .023 | |
| 10.0 | .167 | .080 | .022 | .164 | .079 | .022 | .159 | .078 | .022 | .155 | .077 | .022 | .151 | .076 | .022 | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .182 | .156 | .132 | .156 | .134 | .114 | .107 | .092 | .079 | .061 | .053 | .046 | .020 | .017 | .015 | |
| 2.0 | .175 | .132 | .096 | .149 | .113 | .083 | .102 | .079 | .058 | .059 | .046 | .034 | .019 | .015 | .011 | |
| 3.0 | .167 | .114 | .073 | .143 | .099 | .063 | .098 | .069 | .044 | .057 | .040 | .026 | .018 | .013 | .009 | |
| 4.0 | .159 | .101 | .057 | .137 | .087 | .049 | .094 | .061 | .035 | .054 | .036 | .021 | .017 | .012 | .007 | |
| 5.0 | .152 | .091 | .046 | .130 | .079 | .040 | .090 | .055 | .028 | .052 | .032 | .017 | .017 | .011 | .006 | |
| 6.0 | .144 | .083 | .038 | .124 | .072 | .033 | .086 | .050 | .024 | .050 | .029 | .014 | .016 | .010 | .005 | |
| 7.0 | .137 | .076 | .033 | .118 | .066 | .028 | .082 | .046 | .020 | .047 | .027 | .012 | .015 | .009 | .004 | |
| 8.0 | .131 | .070 | .028 | .112 | .061 | .025 | .078 | .043 | .017 | .045 | .025 | .010 | .015 | .008 | .003 | |
| 9.0 | .124 | .065 | .025 | .107 | .056 | .022 | .074 | .040 | .015 | .043 | .023 | .009 | .014 | .008 | .003 | |
| 10.0 | .119 | .061 | .022 | .102 | .053 | .019 | .071 | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

# UGR(Unified Glare Rating) Table

| Test:U:120.23V I:0.3111A P:37.125W PF:0.9925 Freq:59.98Hz Lamp Flux:5128.85x1 lm | | |
|---|---|---|
| NAME: | TYPE: | WEIGHT: |
| SPEC.:40w 4000k | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

| 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 | 22.4 | 23.9 | 22.6 | 24.2 | 24.4 | 22.5 | 24.1 | 22.8 | 24.3 | 24.5 |
| | 3H | 24.0 | 25.5 | 24.3 | 25.7 | 26.0 | 24.3 | 25.7 | 24.6 | 26.0 | 26.2 |
| | 4H | 24.7 | 26.1 | 25.0 | 26.4 | 26.6 | 25.0 | 26.4 | 25.3 | 26.7 | 26.9 |
| | 6H | 25.3 | 26.6 | 25.6 | 26.8 | 27.1 | 25.7 | 27.0 | 26.0 | 27.2 | 27.5 |
| | 8H | 25.4 | 26.7 | 25.8 | 27.0 | 27.3 | 25.9 | 27.2 | 26.2 | 27.5 | 27.7 |
| | 12H | 25.6 | 26.8 | 25.9 | 27.1 | 27.4 | 26.1 | 27.3 | 26.4 | 27.6 | 27.9 |
| 4H | 2H | 23.1 | 24.4 | 23.4 | 24.7 | 25.0 | 23.2 | 24.6 | 23.5 | 24.8 | 25.1 |
| | 3H | 24.9 | 26.1 | 25.3 | 26.4 | 26.7 | 25.1 | 26.3 | 25.5 | 26.6 | 26.9 |
| | 4H | 25.7 | 26.8 | 26.1 | 27.2 | 27.5 | 26.0 | 27.1 | 26.4 | 27.4 | 27.8 |
| | 6H | 26.4 | 27.4 | 26.8 | 27.8 | 28.1 | 26.8 | 27.8 | 27.2 | 28.1 | 28.5 |
| | 8H | 26.7 | 27.6 | 27.1 | 28.0 | 28.4 | 27.1 | 28.0 | 27.5 | 28.4 | 28.8 |
| | 12H | 26.8 | 27.7 | 27.3 | 28.1 | 28.5 | 27.3 | 28.2 | 27.8 | 28.6 | 29.0 |
| 8H | 4H | 26.1 | 27.0 | 26.5 | 27.4 | 27.8 | 26.3 | 27.2 | 26.7 | 27.6 | 28.0 |
| | 6H | 26.9 | 27.7 | 27.4 | 28.1 | 28.5 | 27.3 | 28.0 | 27.7 | 28.4 | 28.9 |
| | 8H | 27.3 | 28.0 | 27.8 | 28.4 | 28.9 | 27.7 | 28.4 | 28.1 | 28.8 | 29.3 |
| | 12H | 27.6 | 28.2 | 28.1 | 28.6 | 29.1 | 28.1 | 28.7 | 28.5 | 29.1 | 29.6 |
| 12H | 4H | 26.1 | 27.0 | 26.5 | 27.4 | 27.8 | 26.3 | 27.2 | 26.8 | 27.6 | 28.0 |
| | 6H | 27.0 | 27.7 | 27.5 | 28.2 | 28.6 | 27.3 | 28.0 | 27.8 | 28.5 | 28.9 |
| | 8H | 27.4 | 28.0 | 27.9 | 28.5 | 29.0 | 27.8 | 28.4 | 28.3 | 28.9 | 29.3 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | | + 0.1 / - 0.3 | | | | | + 0.1 / - 0.3 | | | | |

CIE Pub.117, 5129 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.7)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

# UTILIZATION FACTORS TABLE

| Test:U:120.23V I:0.3111A P:37.125W PF:0.9925 Freq:59.98Hz  Lamp Flux:5128.85x1 lm | | |
|---|---|---|
| NAME: | TYPE: | WEIGHT: |
| SPEC.:40w 4000k | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

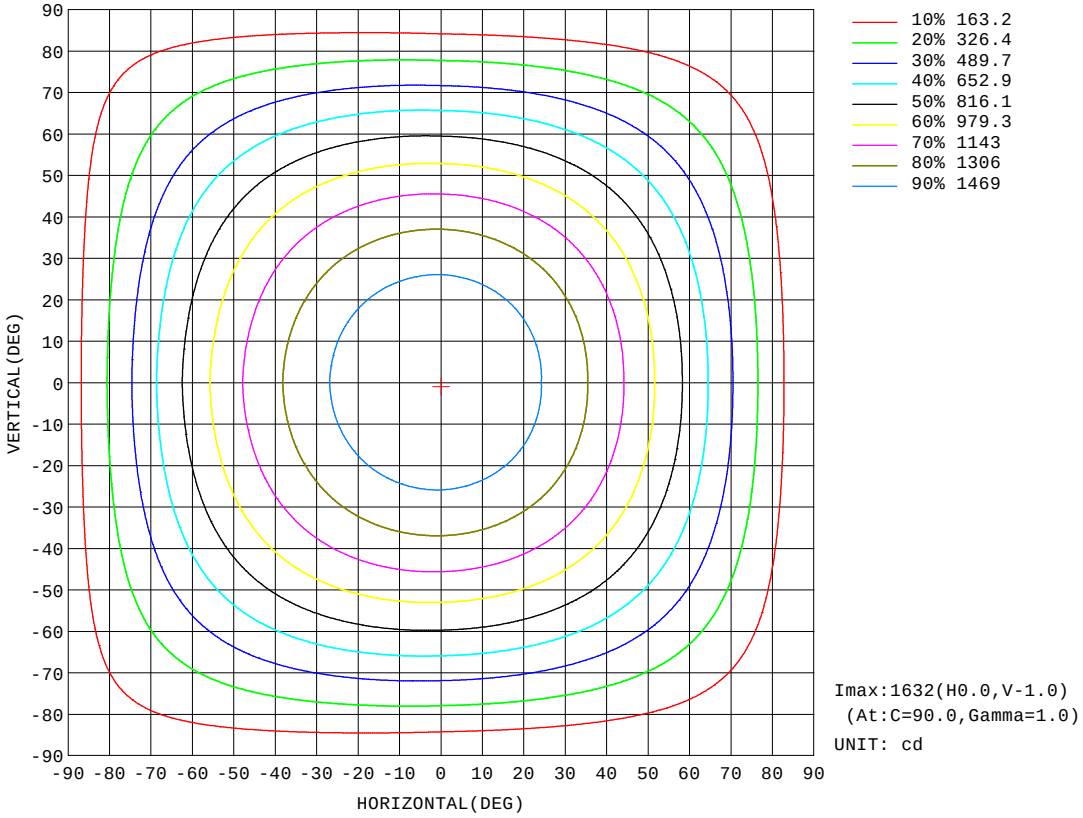
| REFLECTANCE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT)  k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 56 | 44 | 37 | 55 | 44 | 37 | 54 | 43 | 36 | 30 |
| 0.80 | 66 | 54 | 46 | 65 | 53 | 46 | 63 | 52 | 45 | 38 |
| 1.00 | 74 | 62 | 55 | 73 | 62 | 54 | 70 | 63 | 54 | 47 |
| 1.25 | 81 | 70 | 63 | 80 | 69 | 62 | 77 | 68 | 61 | 54 |
| 1.50 | 86 | 76 | 68 | 84 | 75 | 68 | 81 | 73 | 67 | 59 |
| 2.00 | 93 | 84 | 77 | 91 | 83 | 77 | 88 | 81 | 75 | 67 |
| 2.50 | 97 | 89 | 83 | 95 | 88 | 82 | 91 | 85 | 80 | 71 |
| 3.00 | 101 | 93 | 88 | 99 | 92 | 86 | 94 | 89 | 84 | 76 |
| 4.00 | 105 | 99 | 94 | 103 | 97 | 93 | 98 | 94 | 90 | 81 |
| 5.00 | 108 | 102 | 98 | 105 | 100 | 96 | 101 | 97 | 93 | 84 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | | Suspended | | | | | SHRNOM = 1.25 | |

C Range:  0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

g Range:  0 -  90DEG
g Interval:  1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

# ISOCANDELA DIAGRAM

| Test:U:120.23V I:0.3111A P:37.125W PF:0.9925 Freq:59.98Hz  Lamp Flux:5128.85x1 lm | | |
|---|---|---|
| NAME: | TYPE: | WEIGHT: |
| SPEC.:40w 4000k | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



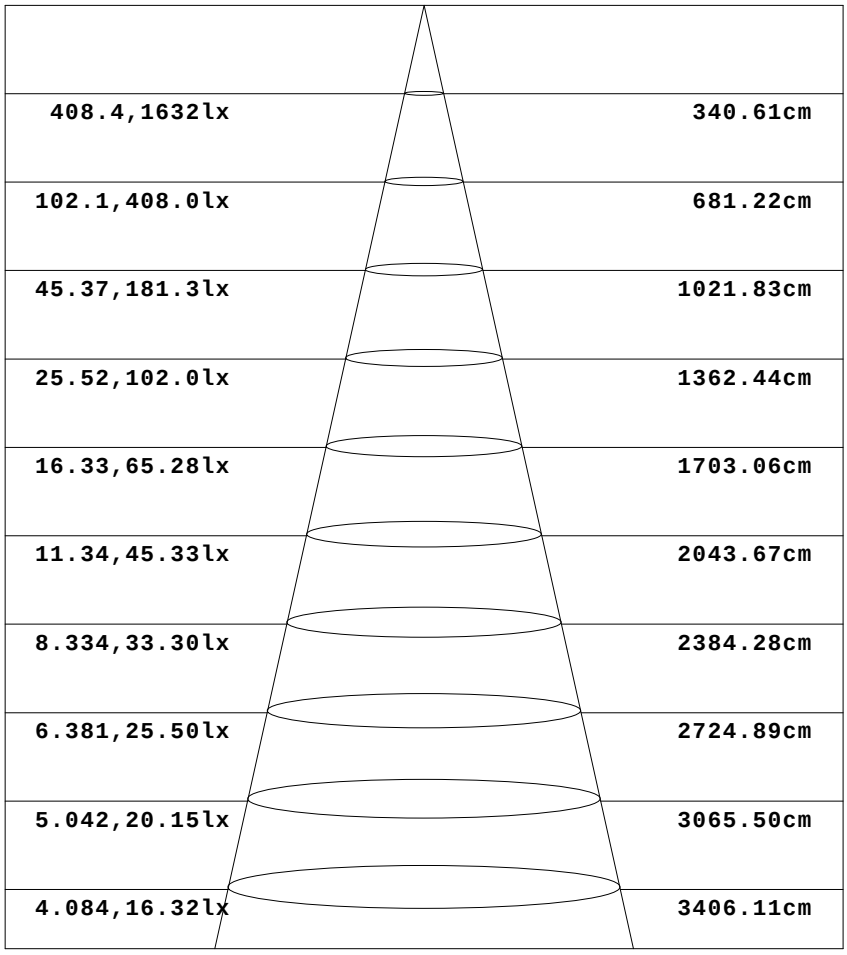

C Range:  0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

g Range:  0 -  90DEG
g Interval:  1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

## AAI Figure

| Test:U:120.23V I:0.3111A P:37.125W PF:0.9925 Freq:59.98Hz  Lamp Flux:5128.85x1 lm | | |
|---|---|---|
| NAME: | TYPE: | WEIGHT: |
| SPEC.:40w 4000k | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

Flux out:3849 lm




Height Eavg,Emax Angle:119.16deg Diameter

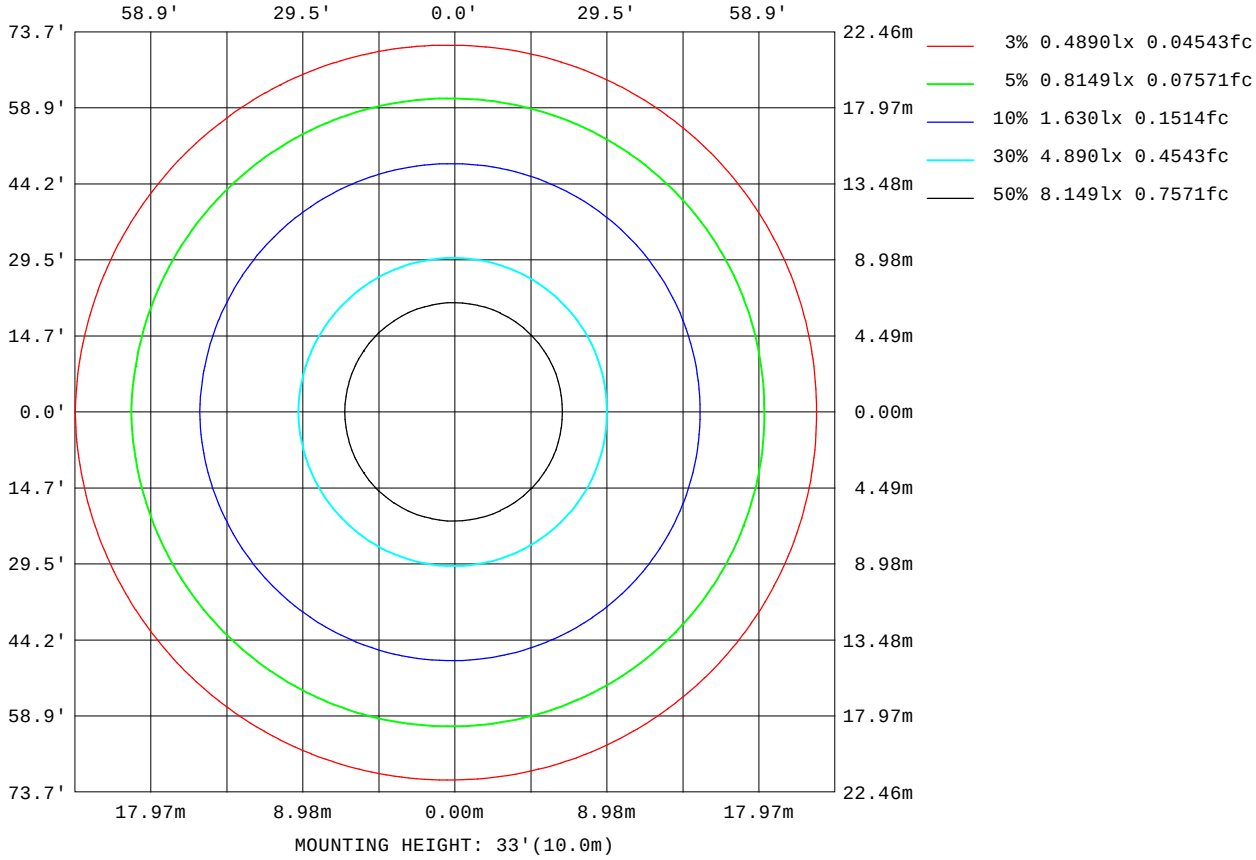
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

## ISOLUX DIAGRAM

| Test:U:120.23V I:0.3111A P:37.125W PF:0.9925 Freq:59.98Hz  Lamp Flux:5128.85x1 lm | | |
|---|---|---|
| NAME: | TYPE: | WEIGHT: |
| SPEC.:40w 4000k | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |




C Range:  0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

g Range:  0 -  90DEG
g Interval:  1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

# LED Avg.L Report

| Test:U:120.23V I:0.3111A P:37.125W PF:0.9925 Freq:59.98Hz  Lamp Flux:5128.85x1 lm | | |
|---|---|---|
| NAME: | TYPE: | WEIGHT: |
| SPEC.:40w 4000k | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

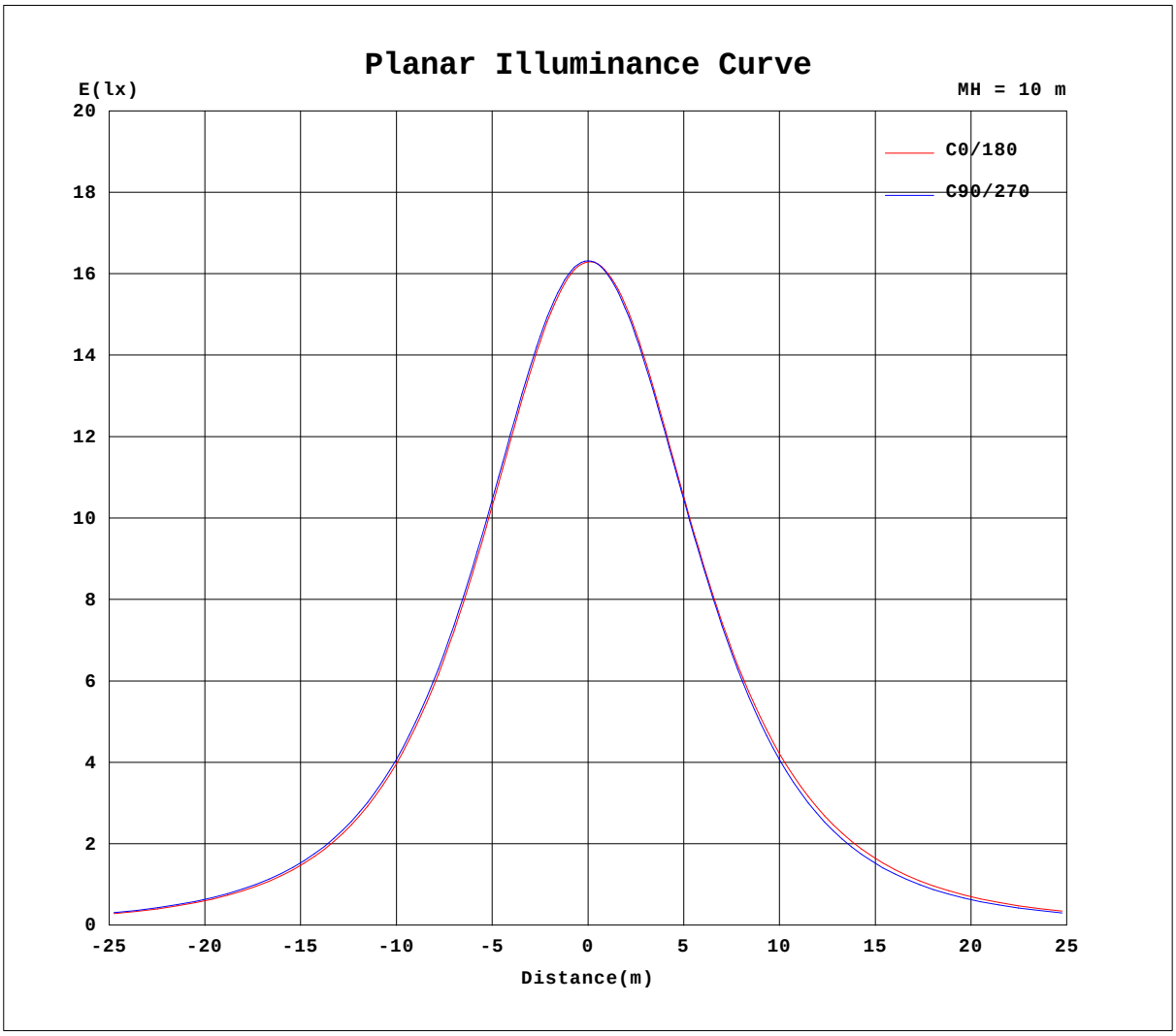
| AvgL | cd/m2 |
|---|---|
| L_0~180(65)av | 16441 |
| L_0~180(75)av | 16326 |
| L_0~180(85)av | 18274 |
| L_90~270(65)av | 15943 |
| L_90~270(75)av | 15500 |
| L_90~270(85)av | 16495 |
| L_45(65)av | 16212 |
| L_45(75)av | 15946 |
| L_45(85)av | 17520 |

Standard: GB/T 29293-2012

C Range:  0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

g Range:  0 -  90DEG
g Interval:  1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

## Planar Illuminance Curve




C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---|---|
| Test:U:120.23V I:0.3111A P:37.125W PF:0.9925 Freq:59.98Hz Lamp Flux:5128.85x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.:40w 4000k | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

Table--1 UNIT: cd

| g \ C | 0 | 90 | 180 | 270 |
|---|---|---|---|---|
| 0 | 1630 | 1632 | 1630 | 1632 |
| 5 | 1619 | 1626 | 1629 | 1627 |
| 10 | 1597 | 1608 | 1618 | 1608 |
| 15 | 1562 | 1577 | 1590 | 1579 |
| 20 | 1517 | 1534 | 1548 | 1536 |
| 25 | 1459 | 1480 | 1492 | 1482 |
| 30 | 1391 | 1415 | 1427 | 1416 |
| 35 | 1312 | 1339 | 1354 | 1339 |
| 40 | 1224 | 1252 | 1278 | 1251 |
| 45 | 1125 | 1155 | 1195 | 1152 |
| 50 | 1016 | 1049 | 1102 | 1045 |
| 55 | 898 | 934 | 997 | 927 |
| 60 | 771 | 810 | 878 | 802 |
| 65 | 639 | 678 | 750 | 669 |
| 70 | 502 | 542 | 617 | 534 |
| 75 | 366 | 405 | 479 | 398 |
| 80 | 234 | 270 | 342 | 265 |
| 85 | 109 | 146 | 209 | 141 |
| 90 | 5.49 | 39.1 | 85.9 | 35.0 |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

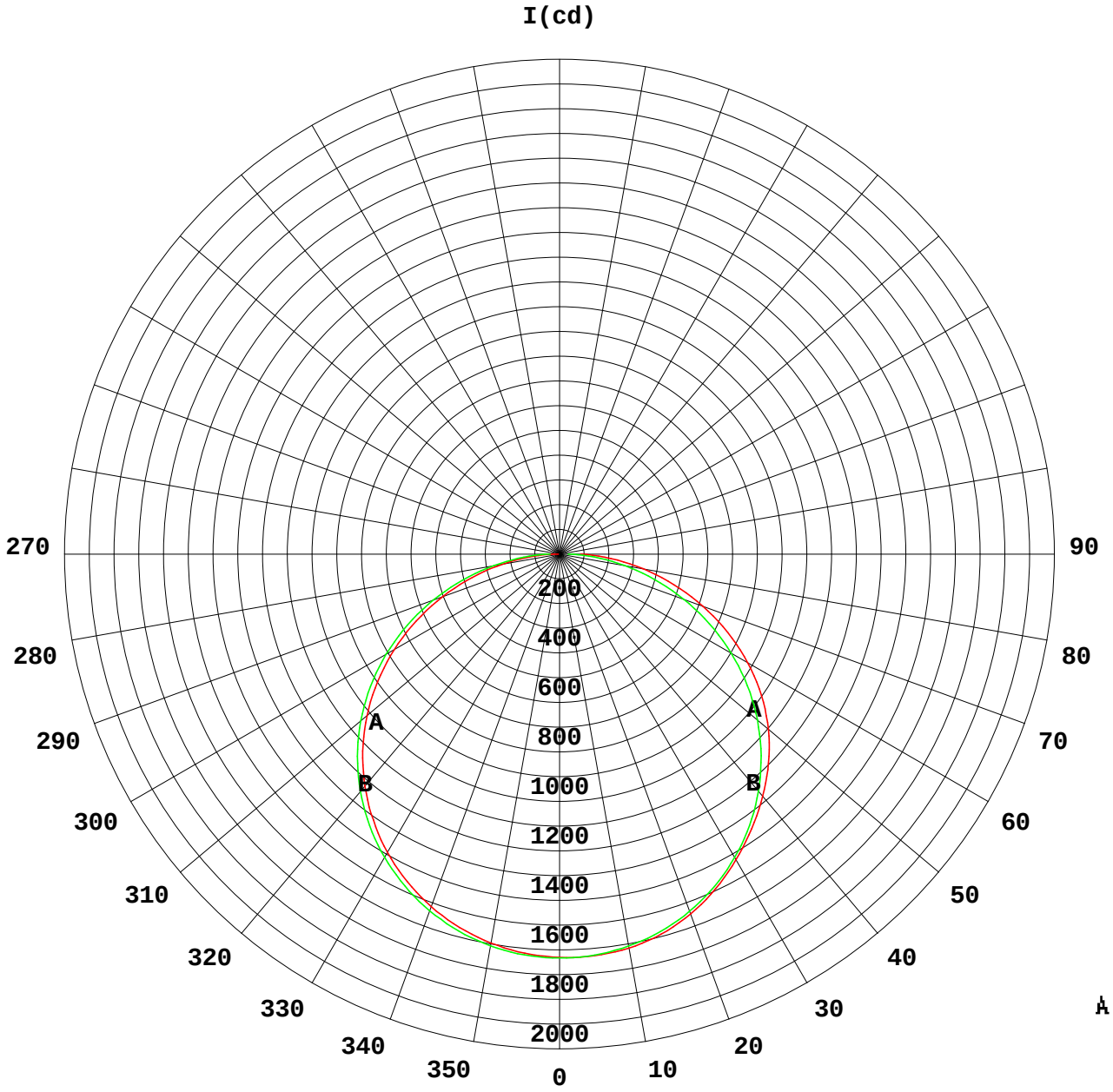
g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

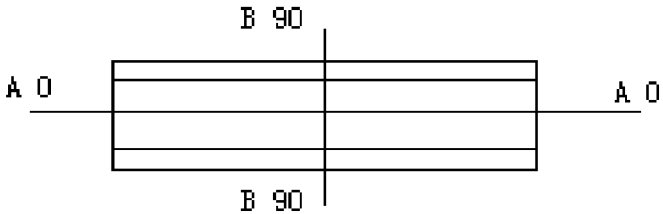
## Photometric Data Table [cd]

| G/C | 0.0 | 90.0 | 180.0 | 270.0 |
|---|---|---|---|---|
| 0.0 | 1630 | 1632 | 1630 | 1632 |
| 3.0 | 1625 | 1630 | 1631 | 1631 |
| 6.0 | 1616 | 1624 | 1628 | 1624 |
| 9.0 | 1602 | 1613 | 1621 | 1614 |
| 12.0 | 1584 | 1596 | 1608 | 1598 |
| 15.0 | 1562 | 1577 | 1590 | 1579 |
| 18.0 | 1535 | 1552 | 1566 | 1555 |
| 21.0 | 1506 | 1524 | 1538 | 1526 |
| 24.0 | 1472 | 1492 | 1504 | 1494 |
| 27.0 | 1434 | 1455 | 1467 | 1457 |
| 30.0 | 1391 | 1415 | 1427 | 1416 |
| 33.0 | 1346 | 1371 | 1383 | 1371 |
| 36.0 | 1296 | 1323 | 1340 | 1322 |
| 39.0 | 1243 | 1270 | 1293 | 1269 |
| 42.0 | 1185 | 1215 | 1246 | 1213 |
| 45.0 | 1125 | 1155 | 1195 | 1152 |
| 48.0 | 1060 | 1093 | 1140 | 1088 |
| 51.0 | 992.6 | 1026 | 1082 | 1022 |
| 54.0 | 922.1 | 957.2 | 1019 | 951.5 |
| 57.0 | 847.9 | 884.5 | 949.9 | 877.3 |
| 60.0 | 771.3 | 809.6 | 877.7 | 801.6 |
| 63.0 | 692.5 | 731.1 | 802.4 | 722.5 |
| 66.0 | 611.2 | 651.0 | 723.5 | 642.3 |
| 69.0 | 530.4 | 569.8 | 643.6 | 561.2 |
| 72.0 | 447.6 | 487.4 | 561.9 | 479.1 |
| 75.0 | 366.1 | 404.8 | 479.0 | 397.6 |
| 78.0 | 286.2 | 325.5 | 397.3 | 317.6 |
| 81.0 | 208.3 | 244.5 | 315.1 | 240.0 |
| 84.0 | 133.0 | 169.6 | 235.0 | 165.8 |
| 87.0 | 64.38 | 101.0 | 159.1 | 96.52 |
| 90.0 | 5.491 | 39.12 | 85.89 | 35.03 |

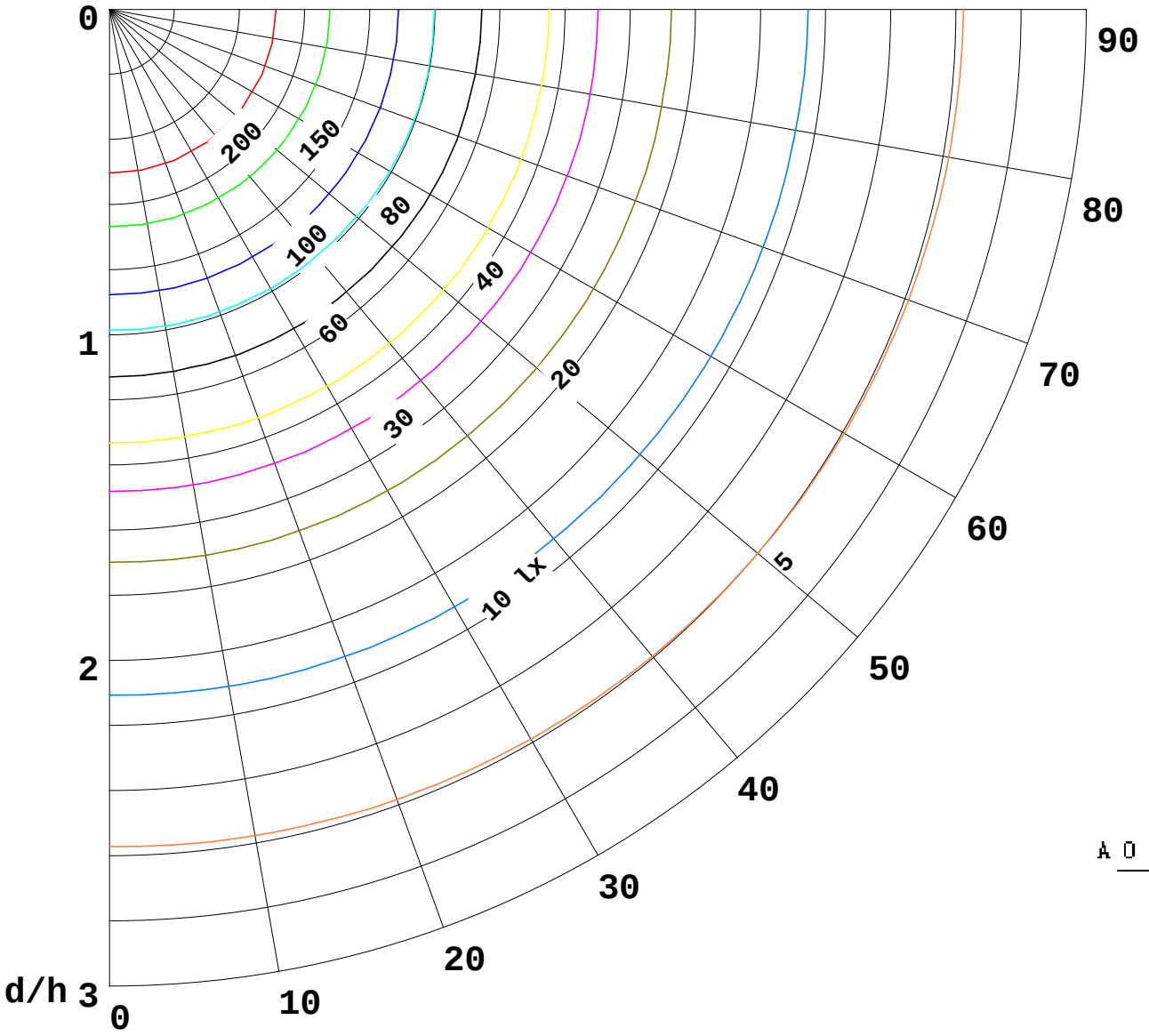
C Range:  0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:赢
Test Date:2024-03-30

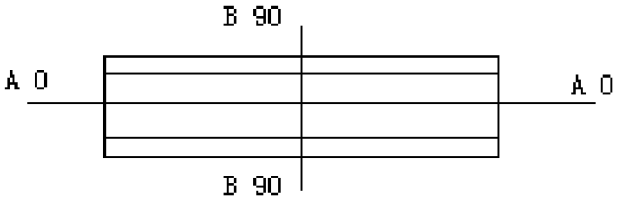
g Range:  0 -  90DEG
g Interval:  1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

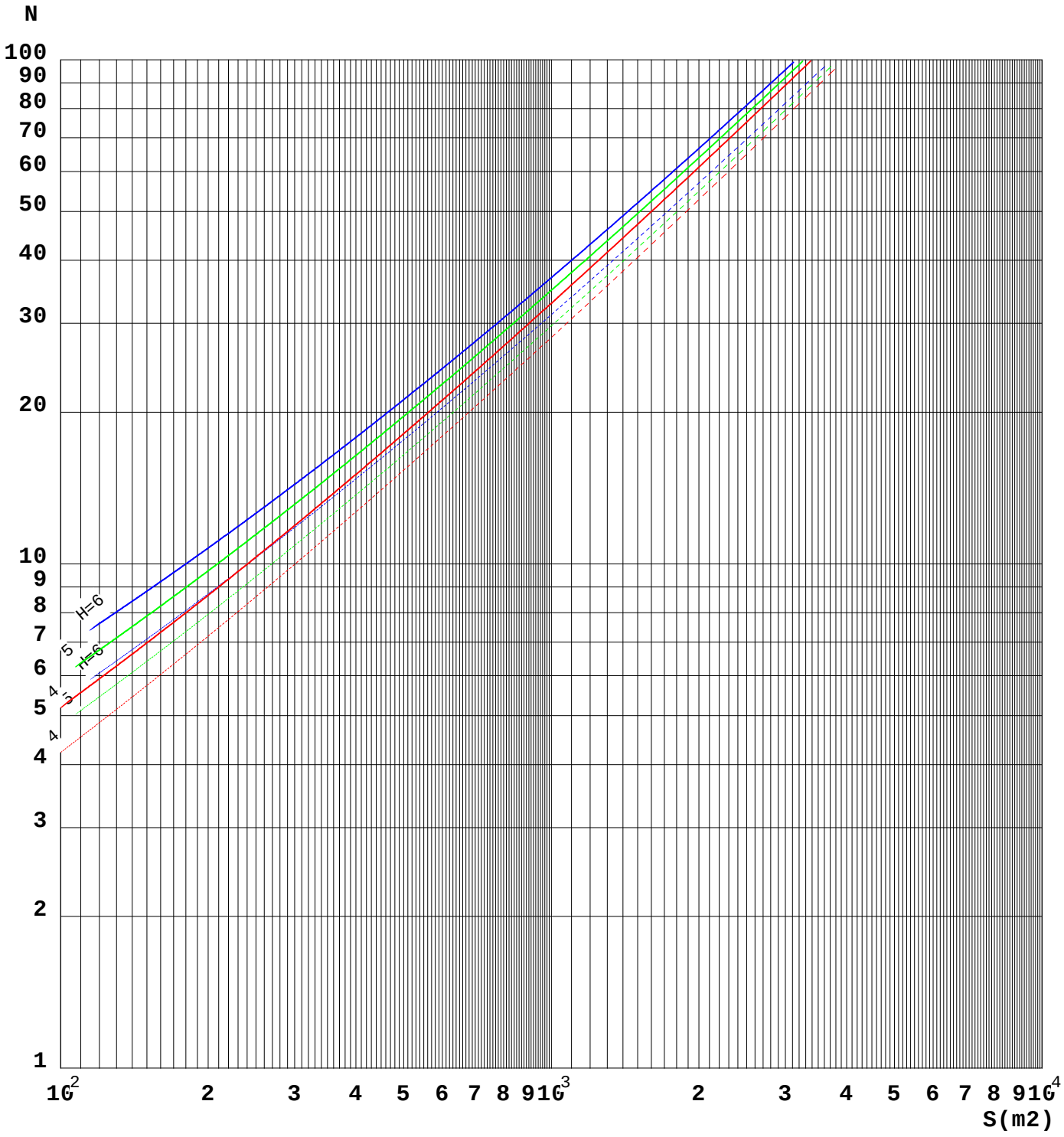

I(cd)
270
90
280
80
290
70
300
60
310
50
320
40
330
30
340
20
350
10
0
200
400
600
800
1000
1200
1400
1600
1800
2000
A
A
B
B


B 90
A 0
A 0
B 90

1000 lm K = 1


0
90
80
70
60
50
40
30
20
10
0
1
2
3
d/h
200
150
100
80
60
40
30
20
10 lx
5


B 90
A 0
A 0
B 90

F = 5000 lm
K = 0.7
Hcc = 0.0 m
Hfc = 0.0 m
Eave = 100 lx

| | Pcc | Pw | Pfc |
|---|---|---|---|
| ——— | 70 | 50 | 30 |
| ——— | 50 | 30 | 20 |