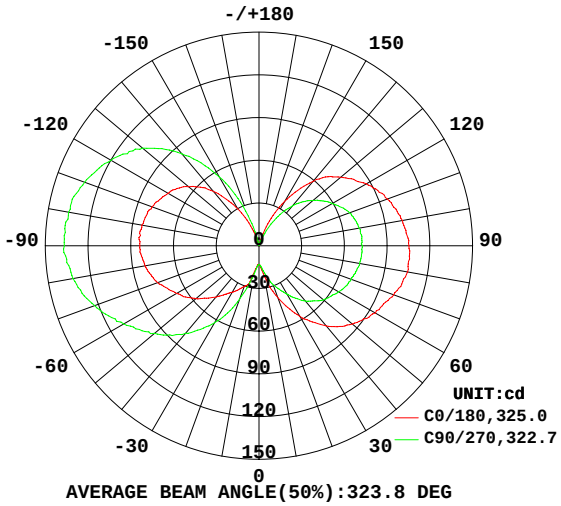
# LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---|---|
| Test:U:229.90V I:0.0431A P:7.3007W PF:0.7374 Freq:49.99Hz Lamp Flux:819.191x1 lm | | |
| NAME: 0019590106 | TYPE: | WEIGHT: |
| SPEC.: 0019590106 3713200 7W 2700K 806lm | DIM.: | SERIAL No.:1 |
| MFR.: / | SUR.: | Shielding Angle: |

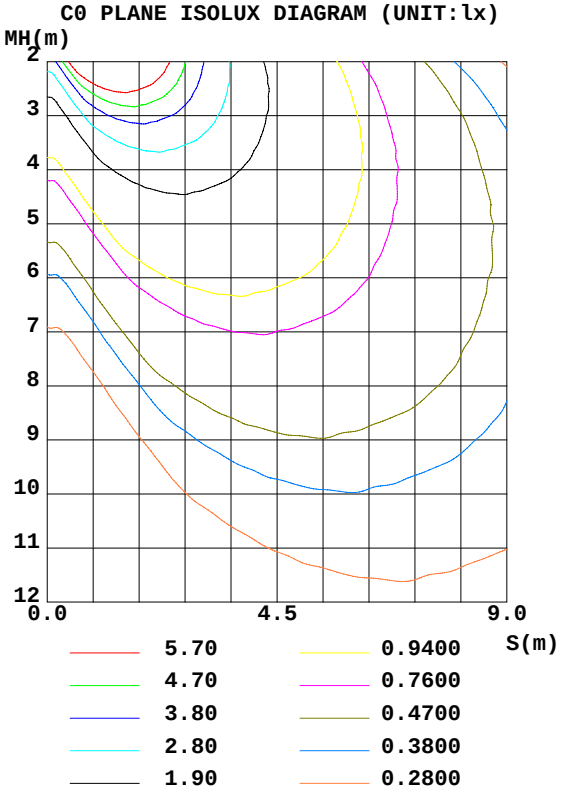
| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 111.80 lm/W | | | |
|---|---|---|---|---|---|
| MODEL | 0019590106 | Imax(cd) | 117.2 | S/MH(C0/180) | 3.76 |
| NOMINAL POWER(W) | 7 | LOR(%) | 100.0 | S/MH(C90/270) | 4.57 |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 806 | η UP,DN(C0-180) | 21.1,24.0 |
| NOMINAL FLUX(lm) | 806 | CIE CLASS | DIFFUSE | η UP,DN(C180-360) | 27.8,27.1 |
| LAMPS INSIDE | 1 | η up(%) | 48.9 | CIBSE SHR NOM | 1.75 |
| TEST VOLTAGE(V) | | η down(%) | 51.1 | CIBSE SHR MAX | 1.75 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM




AVERAGE BEAM ANGLE(50%):323.8 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)




C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XCJ
Test Date:2024-12-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

Checker: XCJ

Assessor: XZY

# ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C90 | C180 | C270 | | | | | γ | Φ zone | Φ total | %lum,lamp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 21.21 | 18.11 | 18.35 | 20.28 | | | | | 0- 10 | 1.556 | 1.556 | 0.16,0.16 |
| 20 | 38.62 | 29.08 | 30.46 | 39.90 | | | | | 10- 20 | 7.934 | 9.490 | 1.00,1.00 |
| 30 | 57.21 | 39.20 | 37.79 | 62.53 | | | | | 20- 30 | 19.59 | 29.08 | 3.06,3.06 |
| 40 | 73.62 | 50.67 | 47.10 | 80.24 | | | | | 30- 40 | 35.34 | 64.42 | 6.79,6.79 |
| 50 | 85.64 | 59.14 | 57.80 | 95.68 | | | | | 40- 50 | 53.50 | 117.9 | 12.4,12.4 |
| 60 | 94.53 | 64.69 | 66.98 | 109.8 | | | | | 50- 60 | 71.18 | 189.1 | 19.9,19.9 |
| 70 | 100.7 | 69.01 | 75.83 | 122.9 | | | | | 60- 70 | 87.32 | 276.4 | 29.1,29.1 |
| 80 | 105.9 | 71.77 | 81.25 | 132.7 | | | | | 70- 80 | 100.7 | 377.1 | 39.7,39.7 |
| 90 | 105.4 | 72.71 | 83.69 | 136.6 | | | | | 80- 90 | 107.9 | 485.0 | 51.1,51.1 |
| 100 | 102.3 | 71.43 | 83.60 | 135.9 | | | | | 90-100 | 108.0 | 593.1 | 62.5,62.5 |
| 110 | 95.98 | 67.74 | 80.08 | 130.4 | | | | | 100-110 | 101.7 | 694.8 | 73.2,73.2 |
| 120 | 87.17 | 59.41 | 73.80 | 120.1 | | | | | 110-120 | 88.88 | 783.6 | 82.6,82.6 |
| 130 | 74.83 | 49.49 | 64.67 | 106.8 | | | | | 120-130 | 71.69 | 855.3 | 90.1,90.1 |
| 140 | 59.05 | 36.65 | 49.98 | 84.22 | | | | | 130-140 | 51.55 | 906.9 | 95.5,95.5 |
| 150 | 36.05 | 19.11 | 29.97 | 55.89 | | | | | 140-150 | 29.53 | 936.4 | 98.7,98.7 |
| 160 | 11.63 | 4.047 | 9.966 | 22.33 | | | | | 150-160 | 11.19 | 947.6 | 99.8,99.8 |
| 170 | 1.016 | 1.067 | 0.9915 | 1.135 | | | | | 160-170 | 1.485 | 949.1 | 100,100 |
| 180 | 0.9139 | 0.9872 | 0.9378 | 0.9749 | | | | | 170-180 | 0.0952 | 949.2 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XCJ
Test Date:2024-12-20

Checker: XCJ

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

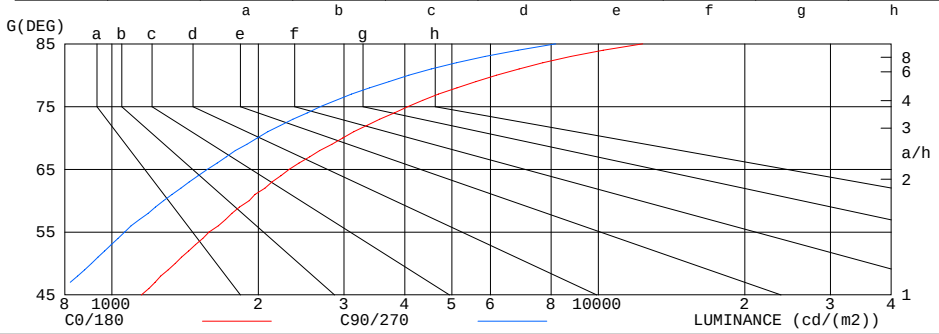
Assessor: XZY

# LUMINANCE LIMITATION CURVES

| | | |
|---|---|---|
| **Test:U:229.90V I:0.0431A P:7.3007W PF:0.7374 Freq:49.99Hz Lamp Flux:819.191x1 lm** | | |
| **NAME:** 0019590106 | **TYPE:** | **WEIGHT:** |
| **SPEC.:** 0019590106 3713200 7W 2700K 806lm | **DIM.:** | **SERIAL No.:1** |
| **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 | 12337 | 8177 |
| 80 | 6177 | 4079 |
| 75 | 4062 | 2684 |
| 70 | 2984 | 1991 |
| 65 | 2315 | 1572 |
| 60 | 1915 | 1277 |
| 55 | 1584 | 1062 |
| 50 | 1350 | 908 |
| 45 | 1150 | 763 |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XCJ
Test Date:2024-12-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

Checker: XCJ

Assessor: XZY

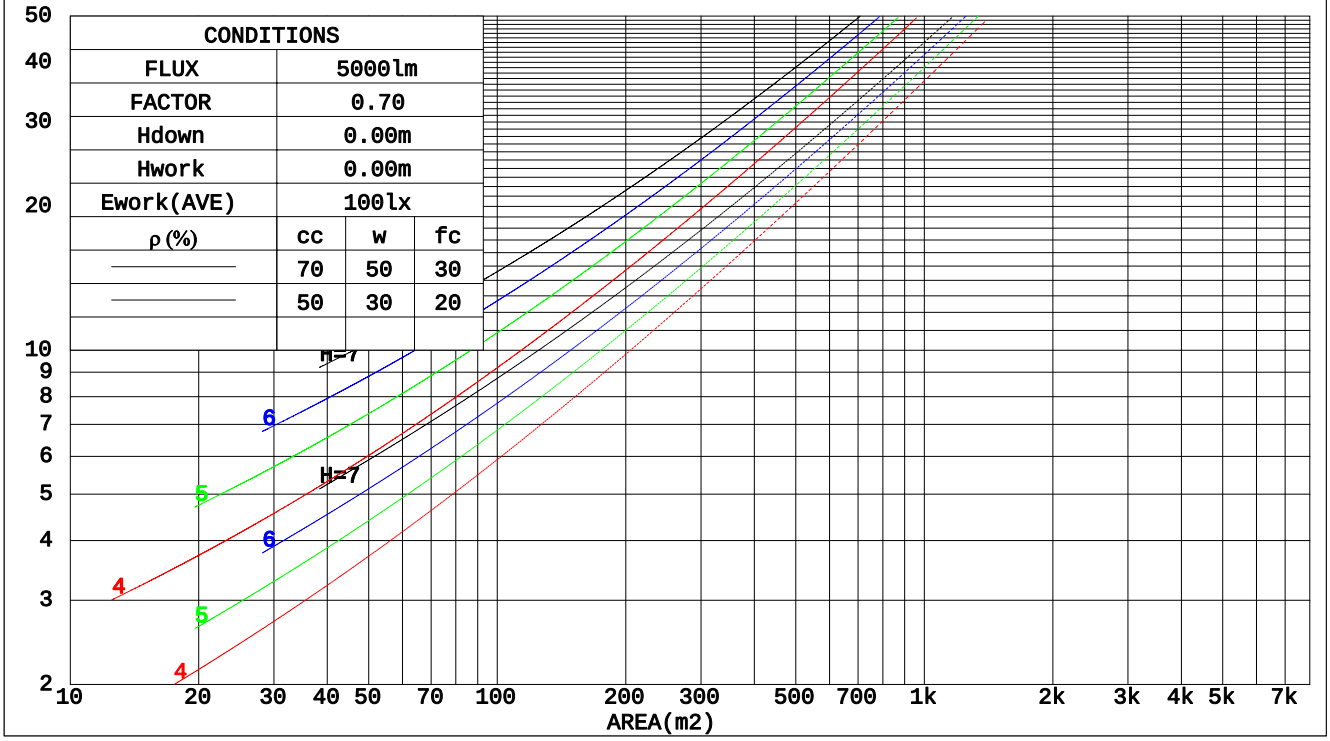
# CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---|---|
| Test:U:229.90V I:0.0431A P:7.3007W PF:0.7374 Freq:49.99Hz Lamp Flux:819.191x1 lm | | |
| NAME: 0019590106 | TYPE: | WEIGHT: |
| SPEC.: 0019590106 3713200 7W 2700K 806lm | DIM.: | SERIAL No.:1 |
| 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 | 1.07 | 1.07 | 1.07 | .99 | .99 | .99 | .84 | .84 | .84 | .70 | .70 | .70 | .57 | .57 | .57 | .51 |
| 1.0 | .85 | .79 | .74 | .78 | .73 | .68 | .65 | .61 | .57 | .53 | .49 | .46 | .41 | .39 | .37 | .31 |
| 2.0 | .71 | .63 | .56 | .65 | .58 | .51 | .54 | .48 | .43 | .43 | .38 | .34 | .33 | .30 | .27 | .22 |
| 3.0 | .61 | .51 | .44 | .56 | .47 | .40 | .46 | .39 | .33 | .36 | .31 | .27 | .28 | .24 | .20 | .16 |
| 4.0 | .53 | .43 | .35 | .48 | .39 | .33 | .39 | .32 | .27 | .31 | .26 | .21 | .24 | .19 | .16 | .12 |
| 5.0 | .46 | .37 | .29 | .42 | .33 | .27 | .34 | .28 | .22 | .27 | .22 | .18 | .21 | .16 | .13 | .09 |
| 6.0 | .41 | .31 | .25 | .37 | .29 | .23 | .31 | .24 | .19 | .24 | .19 | .15 | .18 | .14 | .11 | .08 |
| 7.0 | .37 | .27 | .21 | .33 | .25 | .19 | .27 | .21 | .16 | .22 | .16 | .12 | .16 | .12 | .09 | .06 |
| 8.0 | .33 | .24 | .18 | .30 | .22 | .17 | .25 | .18 | .14 | .20 | .14 | .11 | .15 | .11 | .08 | .05 |
| 9.0 | .30 | .21 | .16 | .27 | .20 | .14 | .22 | .16 | .12 | .18 | .13 | .09 | .14 | .10 | .07 | .04 |
| 10.0 | .27 | .19 | .14 | .25 | .18 | .13 | .21 | .15 | .10 | .16 | .12 | .08 | .13 | .09 | .06 | .04 |

LAMPS

LUMINAIRE BUDGETARY DIAGRAM




C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XCJ
Test Date:2024-12-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

Checker: XCJ

Assessor: XZY

# WEC AND CCEC

| Test:U:229.90V I:0.0431A P:7.3007W PF:0.7374 Freq:49.99Hz Lamp Flux:819.191x1 lm | | |
|---|---|---|
| NAME: 0019590106 | TYPE: | WEIGHT: |
| SPEC.: 0019590106 3713200 7W 2700K 806lm | DIM.: | SERIAL No.:1 |
| 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 | .439 | .250 | .079 | .417 | .238 | .076 | .375 | .215 | .069 | .337 | .194 | .062 | .302 | .175 | .056 | |
| 2.0 | .361 | .198 | .061 | .341 | .188 | .058 | .303 | .168 | .052 | .268 | .150 | .047 | .235 | .133 | .042 | |
| 3.0 | .312 | .166 | .050 | .294 | .157 | .047 | .259 | .140 | .043 | .227 | .124 | .038 | .197 | .109 | .034 | |
| 4.0 | .276 | .143 | .042 | .259 | .136 | .040 | .227 | .120 | .036 | .198 | .106 | .032 | .170 | .092 | .028 | |
| 5.0 | .248 | .126 | .037 | .232 | .119 | .035 | .203 | .106 | .031 | .176 | .093 | .028 | .150 | .080 | .024 | |
| 6.0 | .225 | .113 | .032 | .211 | .106 | .031 | .184 | .094 | .027 | .158 | .082 | .024 | .135 | .071 | .021 | |
| 7.0 | .206 | .102 | .029 | .193 | .096 | .027 | .168 | .085 | .024 | .144 | .074 | .022 | .122 | .064 | .019 | |
| 8.0 | .190 | .093 | .026 | .178 | .088 | .025 | .155 | .077 | .022 | .133 | .067 | .019 | .112 | .058 | .017 | |
| 9.0 | .176 | .085 | .024 | .165 | .080 | .023 | .143 | .071 | .020 | .123 | .062 | .018 | .104 | .053 | .015 | |
| 10.0 | .164 | .079 | .022 | .154 | .074 | .021 | .134 | .065 | .018 | .114 | .057 | .016 | .096 | .048 | .014 | |

| 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 | .563 | .563 | .563 | .481 | .481 | .481 | .328 | .328 | .328 | .189 | .189 | .189 | .060 | .060 | .060 | |
| 1.0 | .565 | .531 | .500 | .483 | .455 | .430 | .331 | .313 | .298 | .190 | .181 | .173 | .061 | .058 | .056 | |
| 2.0 | .560 | .510 | .468 | .479 | .439 | .404 | .329 | .304 | .282 | .189 | .177 | .165 | .061 | .057 | .054 | |
| 3.0 | .553 | .495 | .449 | .474 | .427 | .389 | .325 | .297 | .273 | .188 | .173 | .161 | .060 | .056 | .053 | |
| 4.0 | .545 | .483 | .436 | .468 | .418 | .379 | .322 | .291 | .267 | .186 | .171 | .158 | .060 | .056 | .052 | |
| 5.0 | .538 | .475 | .428 | .462 | .411 | .372 | .318 | .287 | .263 | .184 | .168 | .156 | .059 | .055 | .051 | |
| 6.0 | .530 | .467 | .422 | .456 | .405 | .367 | .315 | .283 | .260 | .182 | .167 | .155 | .059 | .054 | .051 | |
| 7.0 | .523 | .461 | .418 | .450 | .400 | .364 | .311 | .280 | .258 | .181 | .165 | .153 | .058 | .054 | .051 | |
| 8.0 | .517 | .456 | .414 | .445 | .396 | .361 | .308 | .278 | .256 | .179 | .164 | .153 | .058 | .054 | .051 | |
| 9.0 | .511 | .452 | .412 | .440 | .392 | .359 | .305 | .275 | .255 | .178 | .163 | .152 | .058 | .053 | .050 | |
| 10.0 | .505 | .448 | .410 | .435 | .389 | .357 | .302 | .274 | .254 | .176 | .162 | .152 | .057 | .053 | .050 | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XCJ
Test Date:2024-12-20

Checker: XCJ

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

Assessor: XZY

# UGR(Unified Glare Rating) Table

| Test:U:229.90V I:0.0431A P:7.3007W PF:0.7374 Freq:49.99Hz Lamp Flux:819.191x1 lm | | |
|---|---|---|
| NAME: 0019590106 | TYPE: | WEIGHT: |
| SPEC.: 0019590106 3713200 7W 2700K 806lm | DIM.: | SERIAL No.:1 |
| 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 | 11.7 | 12.8 | 12.5 | 13.7 | 14.9 | 10.1 | 11.2 | 10.9 | 12.1 | 13.2 |
| | 3H | 15.3 | 16.4 | 16.2 | 17.3 | 18.5 | 13.4 | 14.4 | 14.3 | 15.4 | 16.5 |
| | 4H | 17.4 | 18.4 | 18.3 | 19.3 | 20.5 | 15.3 | 16.3 | 16.2 | 17.2 | 18.4 |
| | 6H | 19.7 | 20.6 | 20.6 | 21.5 | 22.7 | 17.4 | 18.3 | 18.3 | 19.2 | 20.4 |
| | 8H | 20.9 | 21.8 | 21.8 | 22.7 | 24.0 | 18.5 | 19.4 | 19.4 | 20.3 | 21.6 |
| | 12H | 22.3 | 23.1 | 23.2 | 24.1 | 25.3 | 19.8 | 20.7 | 20.7 | 21.6 | 22.9 |
| 4H | 2H | 12.5 | 13.5 | 13.4 | 14.4 | 15.6 | 11.5 | 12.5 | 12.4 | 13.4 | 14.6 |
| | 3H | 16.3 | 17.2 | 17.2 | 18.1 | 19.3 | 14.9 | 15.7 | 15.8 | 16.7 | 17.9 |
| | 4H | 18.5 | 19.3 | 19.4 | 20.3 | 21.5 | 16.8 | 17.6 | 17.8 | 18.6 | 19.8 |
| | 6H | 20.9 | 21.6 | 21.9 | 22.6 | 23.9 | 19.0 | 19.7 | 20.0 | 20.7 | 22.0 |
| | 8H | 22.3 | 22.9 | 23.2 | 23.9 | 25.2 | 20.2 | 20.9 | 21.2 | 21.9 | 23.1 |
| | 12H | 23.8 | 24.4 | 24.7 | 25.4 | 26.7 | 21.6 | 22.2 | 22.5 | 23.2 | 24.5 |
| 8H | 4H | 19.1 | 19.7 | 20.0 | 20.7 | 22.0 | 17.8 | 18.5 | 18.8 | 19.5 | 20.8 |
| | 6H | 21.8 | 22.3 | 22.8 | 23.3 | 24.7 | 20.3 | 20.8 | 21.2 | 21.8 | 23.1 |
| | 8H | 23.3 | 23.8 | 24.3 | 24.8 | 26.1 | 21.6 | 22.1 | 22.6 | 23.1 | 24.5 |
| | 12H | 25.0 | 25.5 | 26.0 | 26.5 | 27.8 | 23.2 | 23.6 | 24.2 | 24.6 | 26.0 |
| 12H | 4H | 19.2 | 19.8 | 20.2 | 20.8 | 22.1 | 18.2 | 18.8 | 19.1 | 19.8 | 21.1 |
| | 6H | 22.0 | 22.5 | 23.0 | 23.5 | 24.9 | 20.7 | 21.2 | 21.7 | 22.2 | 23.6 |
| | 8H | 23.6 | 24.1 | 24.7 | 25.1 | 26.5 | 22.2 | 22.6 | 23.2 | 23.7 | 25.0 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | | + 0.3 / - 0.4 | | | | | + 0.3 / - 0.4 | | | | |

CIE Pub.117, 949.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.2)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XCJ
Test Date:2024-12-20

Checker: XCJ

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

Assessor: XZY

# UTILIZATION FACTORS TABLE

| Test:U:229.90V I:0.0431A P:7.3007W PF:0.7374 Freq:49.99Hz Lamp Flux:819.191x1 lm | | |
|---|---|---|
| NAME: 0019590106 | TYPE: | WEIGHT: |
| SPEC.: 0019590106 3713200 7W 2700K 806lm | DIM.: | SERIAL No.:1 |
| 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 | 34 | 21 | 13 | 32 | 20 | 13 | 29 | 18 | 12 | 5 |
| 0.80 | 42 | 28 | 19 | 40 | 27 | 18 | 35 | 24 | 17 | 7 |
| 1.00 | 49 | 35 | 25 | 46 | 33 | 24 | 40 | 31 | 21 | 10 |
| 1.25 | 56 | 41 | 31 | 52 | 39 | 30 | 45 | 34 | 26 | 13 |
| 1.50 | 62 | 47 | 37 | 57 | 44 | 35 | 49 | 38 | 31 | 15 |
| 2.00 | 70 | 56 | 46 | 64 | 52 | 43 | 55 | 45 | 37 | 19 |
| 2.50 | 75 | 62 | 52 | 69 | 58 | 49 | 59 | 50 | 42 | 22 |
| 3.00 | 79 | 67 | 58 | 73 | 62 | 54 | 62 | 53 | 47 | 25 |
| 4.00 | 85 | 74 | 66 | 78 | 69 | 61 | 66 | 59 | 53 | 29 |
| 5.00 | 88 | 79 | 71 | 81 | 73 | 66 | 68 | 62 | 57 | 32 |
| 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:XCJ
Test Date:2024-12-20

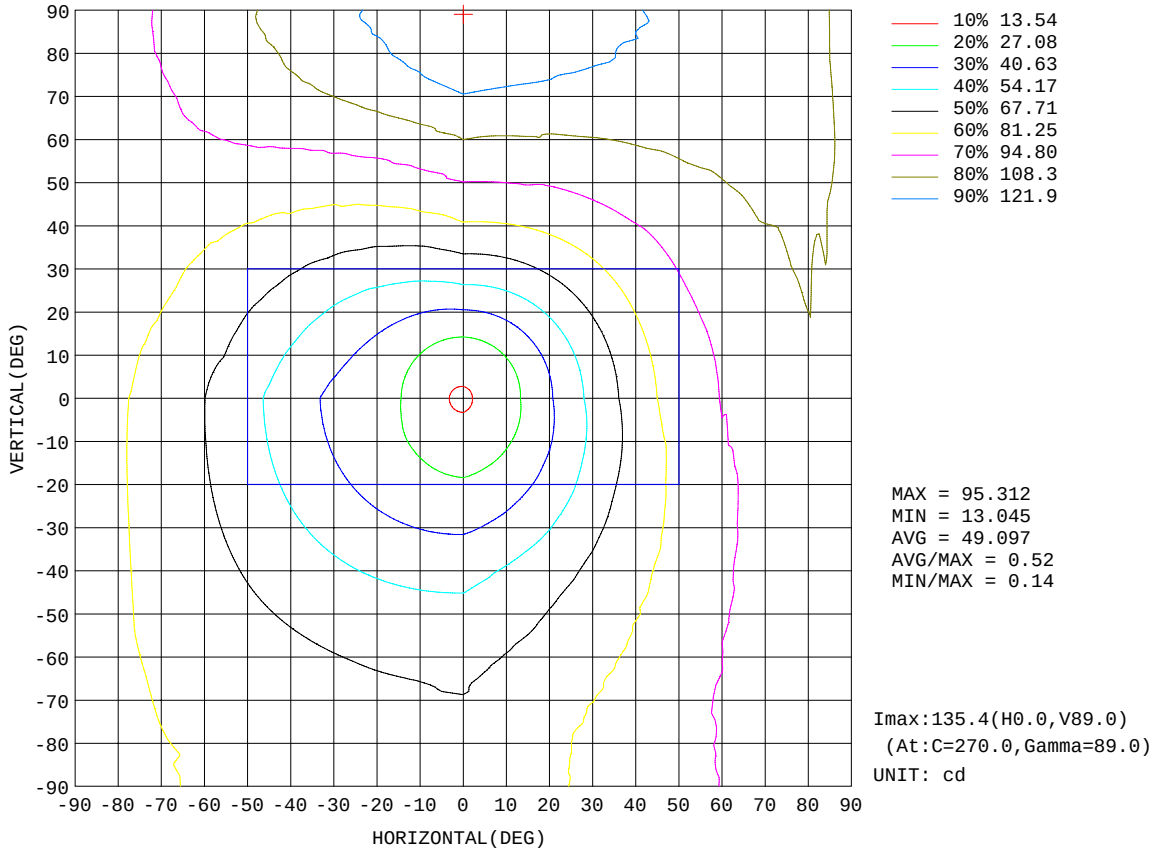
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

Checker: XCJ

Assessor: XZY

## ISOCANDELA DIAGRAM

| | | |
|---|---|---|
| **Test:U:229.90V I:0.0431A P:7.3007W PF:0.7374 Freq:49.99Hz Lamp Flux:819.191x1 lm** | | |
| **NAME:** 0019590106 | **TYPE:** | **WEIGHT:** |
| **SPEC.:** 0019590106 3713200 7W 2700K 806lm | **DIM.:** | **SERIAL No.:1** |
| **MFR.: /** | **SUR.:** | **Shielding Angle:** |




C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XCJ
Test Date:2024-12-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

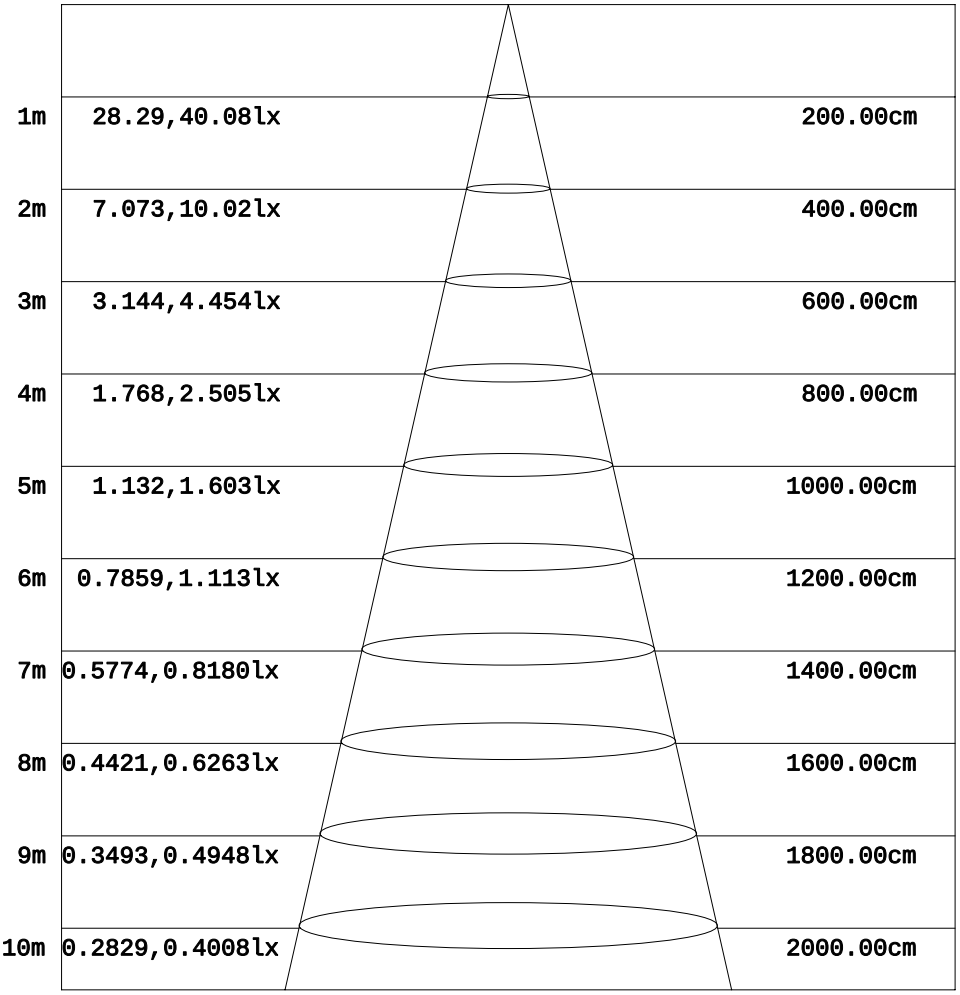
Checker: XCJ

Assessor: XZY

## AAI Figure

| Test:U:229.90V I:0.0431A P:7.3007W PF:0.7374 Freq:49.99Hz Lamp Flux:819.191x1 lm | | |
|---|---|---|
| **NAME:** 0019590106 | **TYPE:** | **WEIGHT:** |
| **SPEC.:** 0019590106 3713200 7W 2700K 806lm | **DIM.:** | **SERIAL No.:1** |
| **MFR.:** / | **SUR.:** | **Shielding Angle:** |

Flux out:88.88 lm




Height Eavg,Emax Angle:90.00deg 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:XCJ
Test Date:2024-12-20

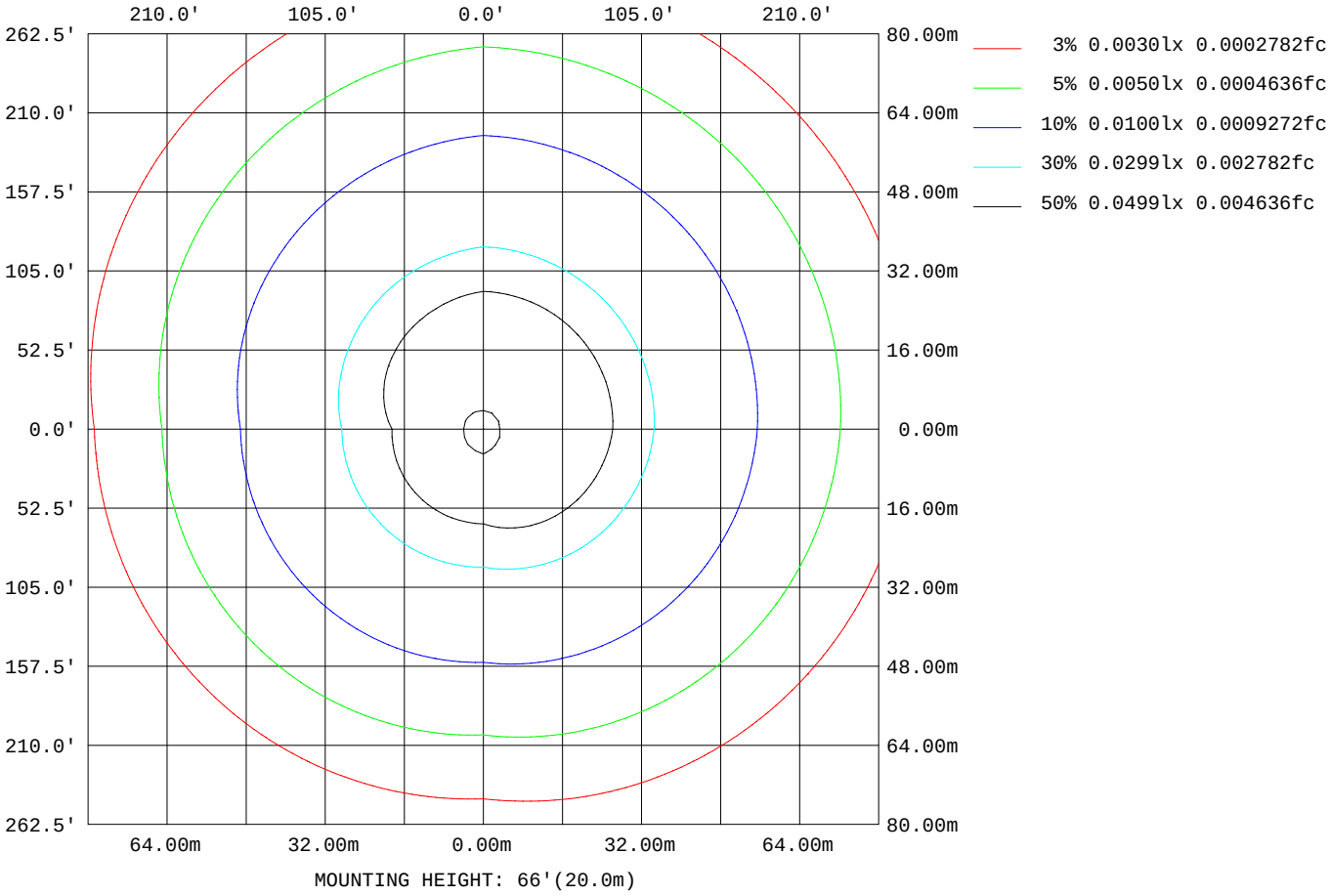
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

Checker: XCJ

Assessor: XZY

# ISOLUX DIAGRAM

| | | |
|---|---|---|
| **Test:U:229.90V I:0.0431A P:7.3007W PF:0.7374 Freq:49.99Hz Lamp Flux:819.191x1 lm** | | |
| **NAME:** 0019590106 | **TYPE:** | **WEIGHT:** |
| **SPEC.:** 0019590106 3713200 7W 2700K 806lm | **DIM.:** | **SERIAL No.:1** |
| **MFR.: /** | **SUR.:** | **Shielding Angle:** |




C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XCJ
Test Date:2024-12-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

Checker: XCJ

Assessor: XZY

# LED Avg.L Report

| Test:U:229.90V I:0.0431A P:7.3007W PF:0.7374 Freq:49.99Hz Lamp Flux:819.191x1 lm | | |
|---|---|---|
| **NAME:** 0019590106 | **TYPE:** | **WEIGHT:** |
| **SPEC.:** 0019590106 3713200 7W 2700K 806lm | **DIM.:** | **SERIAL No.:1** |
| **MFR.:** / | **SUR.:** | **Shielding Angle:** |

| AvgL | cd/m2 |
|---|---|
| L_0~180(65)av | 1980 |
| L_0~180(75)av | 3524 |
| L_0~180(85)av | 10839 |
| L_90~270(65)av | 2175 |
| L_90~270(75)av | 3847 |
| L_90~270(85)av | 11917 |
| L_45(65)av | 2082 |
| L_45(75)av | 3694 |
| L_45(85)av | 11424 |

**Standard: GB/T 29293-2012**

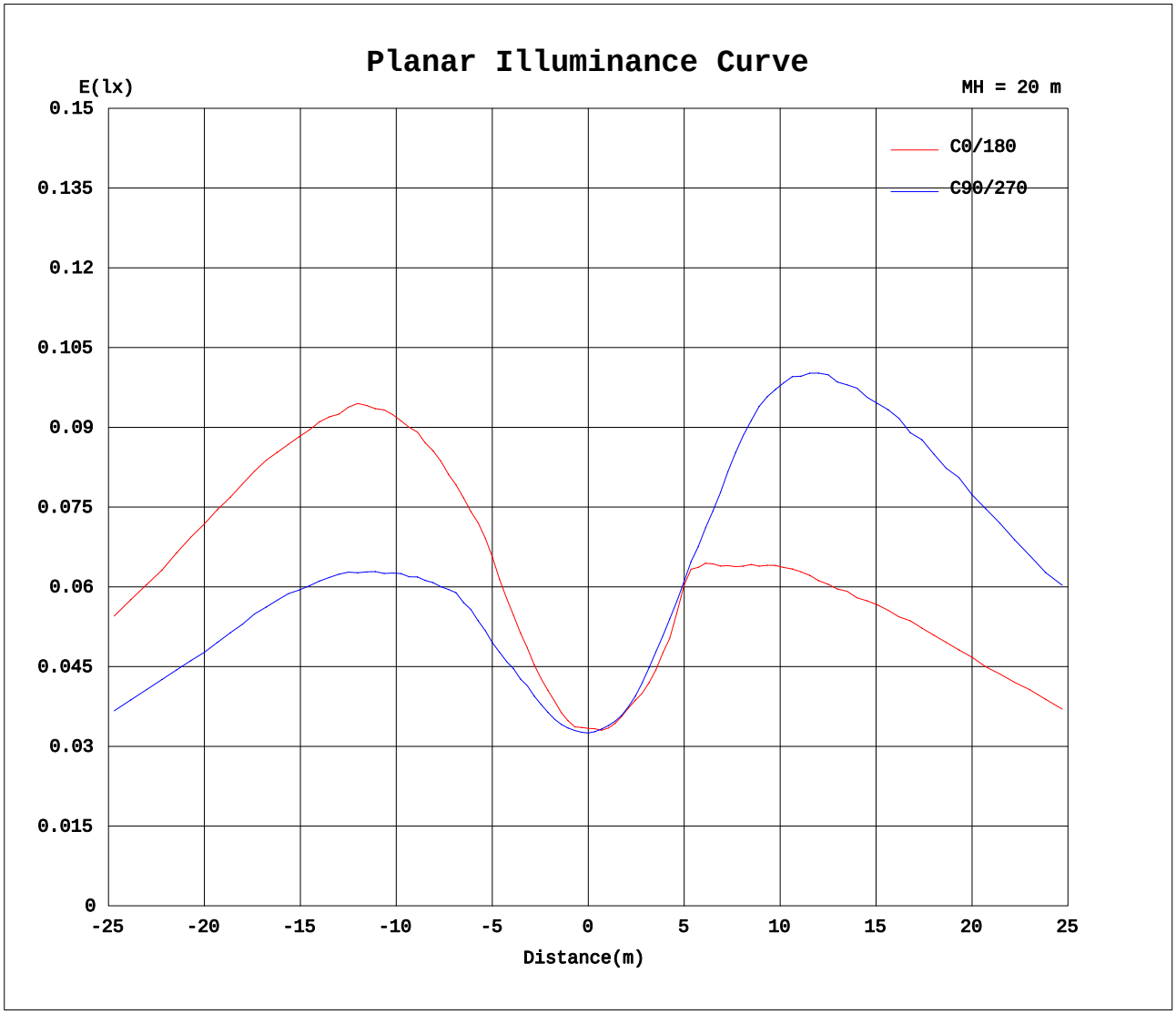
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XCJ
Test Date:2024-12-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

Checker: XCJ

Assessor: XZY

## Planar Illuminance Curve




C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XCJ
Test Date:2024-12-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

Checker: XCJ

Assessor: XZY

# LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---|---|
| Test:U:229.90V I:0.0431A P:7.3007W PF:0.7374 Freq:49.99Hz Lamp Flux:819.191x1 lm | | |
| NAME: 0019590106 | TYPE: | WEIGHT: |
| SPEC.: 0019590106 3713200 7W 2700K 806lm | DIM.: | SERIAL No.:1 |
| MFR.: / | SUR.: | Shielding Angle: |

Table--1 UNIT: cd

| γ (DEG) \ C(DEG) | 0 | 90 | 180 | 270 |
|---|---|---|---|---|
| 0 | 13.2 | 13.2 | 13.2 | 13.2 |
| 5 | 15.4 | 14.4 | 14.2 | 14.7 |
| 10 | 21.2 | 18.1 | 18.4 | 20.3 |
| 15 | 30.3 | 23.3 | 27.8 | 29.1 |
| 20 | 38.6 | 29.1 | 30.5 | 39.9 |
| 25 | 47.7 | 33.7 | 34.0 | 52.1 |
| 30 | 57.2 | 39.2 | 37.8 | 62.5 |
| 35 | 65.4 | 45.1 | 41.6 | 71.8 |
| 40 | 73.6 | 50.7 | 47.1 | 80.2 |
| 45 | 80.2 | 54.7 | 52.2 | 88.7 |
| 50 | 85.6 | 59.1 | 57.8 | 95.7 |
| 55 | 89.7 | 61.7 | 62.9 | 102 |
| 60 | 94.5 | 64.7 | 67.0 | 110 |
| 65 | 96.6 | 67.3 | 70.8 | 117 |
| 70 | 101 | 69.0 | 75.8 | 123 |
| 75 | 104 | 70.4 | 78.6 | 129 |
| 80 | 106 | 71.8 | 81.3 | 133 |
| 85 | 106 | 72.2 | 82.8 | 136 |
| 90 | 105 | 72.7 | 83.7 | 137 |
| 95 | 104 | 72.5 | 83.5 | 137 |
| 100 | 102 | 71.4 | 83.6 | 136 |
| 105 | 99.7 | 70.0 | 82.0 | 134 |
| 110 | 96.0 | 67.7 | 80.1 | 130 |
| 115 | 92.1 | 63.9 | 76.9 | 126 |
| 120 | 87.2 | 59.4 | 73.8 | 120 |
| 125 | 81.3 | 54.9 | 70.3 | 113 |
| 130 | 74.8 | 49.5 | 64.7 | 107 |
| 135 | 68.6 | 43.8 | 58.2 | 96.5 |
| 140 | 59.1 | 36.7 | 50.0 | 84.2 |
| 145 | 47.4 | 28.3 | 39.8 | 71.2 |
| 150 | 36.0 | 19.1 | 30.0 | 55.9 |
| 155 | 23.6 | 9.86 | 20.0 | 39.8 |
| 160 | 11.6 | 4.05 | 9.97 | 22.3 |
| 165 | 1.82 | 1.32 | 4.23 | 7.32 |
| 170 | 1.02 | 1.07 | 0.99 | 1.13 |
| 175 | 0.93 | 1.01 | 0.95 | 1.01 |
| 180 | 0.91 | 0.99 | 0.94 | 0.97 |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XCJ
Test Date:2024-12-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:9.313m [K=1.0000]
Remarks:

Checker: XCJ

Assessor: XZY